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METEOROLOGICAL OFFICE
AIR MINISTRY

THE
MONTHLY
WEATHER REPORT
1961

LONDON: HER MAJESTY'S STATIONERY OFFICE

1962

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INTRODUCTION

The *Monthly Weather Report* gives a résumé of observations from stations in the United Kingdom. Particulars of the methods adopted in taking the observations are given in the *Observer's Handbook*.

The isopleths on the maps of pressure in this volume have been extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin.

INFORMATION FOR PREVIOUS YEARS

Monthly summaries of observations made at stations in connection 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*. A brief history 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 to the *Monthly Weather Report* in 1956 is included in the Introduction to the 1955 volume.

GENERAL ARRANGEMENT OF THE REPORT

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

a.—General remarks on the development of the weather over the British Isles under a brief heading descriptive of the special characteristics of the month.

b.—Table I.—Summaries for Districts of the temperature of the air, of earth temperature, of rainfall, and of duration of bright sunshine, based on observations at the 'district value' stations.

c.—Table II.—Summary of autographic records of wind.

d.—A plate of four maps showing:

i. The monthly distribution of pressure, based on observations at selected stations at 9 h., together with the average distribution of pressure at 9 h. for the month over the period 1921–1950.

ii. The movements and changes in pressure of depression centres.

iii. The distribution of mean temperature at sea level over the land and in the coastal waters.

iv. The distribution of bright sunshine in hours per day.

e.—A full-page map showing by isohyetal lines the distribution of the month's precipitation. This map is based on data from about 2,500 stations.

f.—Table III, giving for individual stations summaries of the records of extreme and mean air temperature and of earth temperature at 1 foot and 4 feet, of rainfall and sunshine, and of weather observations. In the case of air temperature, rainfall and sunshine, differences from average or percentages of average are given when available.

g.—Table IV, giving summaries of the observations of pressure, temperature, humidity, cloud, visibility and wind, made at fixed hours which are indicated in the Table for each station.

Tables III and IV together include the items comprised in the international form of monthly climatological summary, the Form B of the Report of the International Meteorological Committee, 1874; and they give, in addition, information regarding the duration of bright sunshine, earth temperature at 1 foot and 4 feet (both from 1906), the number of observations of wind of force 4–5 and 6–7 on the Beaufort Scale (from 1937), of winds of force 1–3 (from 1923), the number of days of fog (from 1906), the number of observations of different degrees of visibility (from 1923), the number of days of air frost (from 1956), the number of days of ground frost (from 1908), and the pressure at mean sea level (from 1912).

h.—Table XIII.—Solar radiation and intensity of daylight at certain stations.

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

j.—Additions and corrections to Tables II, III and IV.

The Annual Summary of each volume of the *Monthly Weather Report* includes remarks, maps and tables as above for the year as a whole, and the following additional tables:

k.—Table V.—Highest and lowest maximum and minimum temperatures during the year at each station.

l.—Table VI.—Monthly frequencies of duration of bright sunshine at 20 selected stations.

m.—Table VII.—Frequency of rainfall between given limits during the year at 30 selected stations.

n.—Table IX.—The annual table corresponding to Table II in the monthly issues.

o.—Table X.—The number of hours during the year with gusts exceeding (a) 33 kt. and (b) 47 kt. at each anemograph station.

p.—Table XI.—Occasions of 'strong gales' during the year.

q.—Table XII.—Dates on which gusts of 48 kt. or more occurred during the year.

NOTES ON TABLES

TABLE I. DISTRICT VALUES

The District Values of this Table are computed from the statistics for selected individual stations set out in Table III.

¶§ The stations used for computing District Values of rainfall and temperature are shown in Table III by the sign ¶ and those used for computing District Values of sunshine by the sign §. A list of these stations and of the stations used in computing the District Values of earth temperature is given on page vi.

The differences from and percentages of average for air temperature, earth temperature, rainfall and sunshine are the means of the corresponding values for the selected stations. The highest and lowest air temperatures for the District may refer to any station in Table III.

TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

The majority of records used in the preparation of this Table are made by pressure-tube anemographs, but at certain stations new electrical cup recorders have been brought into use. The classification adopted for the 'Distribution of mean hourly values of wind speed' is based on the specification of the Beaufort scale of wind force (see *Observer's Handbook*, 1956 ed., page 74). For an anemograph complying with the specification 'head 33 ft. (10 m.) above ground in the open' the several columns correspond to wind speeds meaned over an hour equivalent to Force 8 and above (gales), Forces 6 and 7 (strong winds), Forces 4 and 5 (moderate breezes), Forces 2 and 3 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the nature of the actual exposures is given in the 'Height' columns. The 'Effective Height' is an estimate of the height at which an anemometer would record an equal mean velocity in a situation free from obstructions.

The duration in each category is the number of 60-minute periods ended at exact hours G.M.T., in each of which the mean wind velocity was between the stated limits. The 'Highest Hourly Wind' similarly refers to the mean for a period of 60 minutes ended at an exact hour G.M.T. Under the heading 'Veer from N.' the direction from which the wind was blowing is stated, the entry for an east wind being 090°, that for a south wind 180°, and so on.

TABLE III. SUMMARY OF OBSERVATIONS AT TERMINAL HOURS

Temperature.—The terminal hours of observation are given for each station. When the terminal hours for maximum and minimum temperature are stated independently the temperatures refer to intervals of 24 hours. If the maximum thermometer is read at 9 h. the reading is credited to the previous day. When the terminal hours for maximum and minimum are separated by a dash thus, 21–9, the day-maximum for the period 9 h. to 21 h. and the night-minimum for the period 21 h. to 9 h. are reported and are utilised in determining the means for the month; in such cases the day-minimum and night-maximum temperatures are also read by the observers, so that the absolute maximum and minimum temperatures for the month are obtained.

The measurements of temperature are made in louvered screens over short grass in the open, the bulbs of the thermometers being approximately 4 feet above ground. At *Kew Observatory*, the thermometers are 10 feet above ground in a louvered screen on the north wall.

Rainfall.—The daily amounts are for the 24 hours beginning at 9 h. G.M.T. 'Rainfall' includes all forms of precipitation. The number of days of precipitation is counted with reference to the limit .01 inch or 0.2 mm., and also with reference to the limit .04 inch or 1 mm. The lower limit excludes 'Traces' of precipitation, very occasionally it is passed when the precipitation is only in the form of dew.

Weather.—The numbers of days of Precipitation, Snow or Sleet, Hail, Ice or Snow Pellets etc., Thunder heard and Gale are counted irrespective of the hour at which the phenomena occur. Except for 'Precipitation' the day is the civil day, midnight to midnight.

For the purpose of this summary 'Hail', which includes Soft Hail, is defined as small balls or pieces of ice, with diameter from 5 mm. upwards, falling either separately or agglomerated into irregular lumps. 'Ice or Snow Pellets etc.' include ice pellets and snow pellets up to 5 mm. in diameter and also ice grains and ice needles. 'Snow lying' refers to occasions when half or more of the ground representative of the station (see *Observer's Handbook*, 1956 ed., page 78) is covered with snow at 9 h. G.M.T. 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 1,100 yards at 9 h. G.M.T. Any variability of the observation hour may exercise an important effect upon the statistics of fog frequency. 'Gale' is a wind of Force 8 or upwards on the Beaufort scale. An 'air frost' is entered when the screen minimum temperature, read either at the terminal hour of 9 h. or 21 h., is 0°C. or less, and a 'ground frost' when the reading of a 'grass minimum' thermometer set the previous evening and read at 9 h. G.M.T. is 0°C. or less.

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% of the period when it is over 3° above the horizon.

TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS

From January, 1945, the hours of observation were changed at certain stations from 0, 6, 12, 18 to 3, 9, 15, 21. From that date departures from the average pressure at 9 h. have been given.

Mean Air Pressure is expressed in millibars (1 millibar = 1,000 dynes per square centimetre = the pressure due to .0295300 inch of mercury at 0°C. and standard gravity 980.665 cm./sec.²). 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 given depend on the readings of the dry- and wet-bulb thermometers in louvered screens (see above). The observations are reduced by Hygrometric Tables, based on a formula of Regnault, issued by the Office and revised in 1940. At most stations the daily values of relative humidity and vapour pressure are found and the monthly means are computed therefrom. These stations are indicated by the letter 'H'. At the remaining stations the means of relative humidity and vapour pressure are derived from the monthly means of the dry-bulb and wet-bulb readings.

Cloud Amount.—The proportion of sky covered with cloud is estimated on the scale 0 to 8, the entry '0' being equivalent to clear sky, '8' to overcast. '9' refers to 'sky obscured or cloud amount cannot be estimated'.

Visibility.—The ranges, specified by international arrangement in metres, are given at the head of the Table in yards and miles. Entries are underlined, or printed in italics in the Annual Summary, where there is no object within 10% of the correct distance defining the lower limit of the range.

Wind Summaries.—The estimates of wind force refer to the Beaufort scale, and to wind experienced at the time of observation. At stations where there are anemographs the mean speed over the 10 minutes ending at the hour is corrected to a height of 33 feet.

TABLE XIII. SOLAR RADIATION AND INTENSITY OF DAYLIGHT

The instruments used for the radiation records are Moll-Gorczyński Solarimeters. M.O. pattern bimetallic actinographs may be used as standby instruments for recording total radiation. Illumination is measured by recording photometers of Kew Mk. II or Mk. III pattern.

If the records for any days are incomplete owing to instrumental or other faults the average daily value for complete days is taken, but if there are seven or more incomplete days during any month the record is not published. When it is possible that the maximum for the month occurred on an incomplete day then no value for the maximum is given.

From January 1, 1957, the radiation values are 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.

HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

The 'height of 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. 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. Throughout Ireland altitudes on maps and plans refer to a low water spring tide datum and such altitudes are reduced by 8 feet to relate them to a mean sea level surface similar to the Newlyn Datum as used in Great Britain.

AVERAGES

Rainfall (Table III).—The averages refer to the period 1916–1950 and are 'weighted' if the record is not complete for that period. The averages of rainfall are given in M.O. 635.

Pressure (Table IV).—The averages refer to 9 h. G.M.T. for period 1921–1950 and have been 'weighted' where necessary.

Temperature and Sunshine (Table III).—The averages refer to the period 1921–1950 and are given in the following publications:

(1) Averages of Temperature for Great Britain and Northern Ireland, 1921–50 (M.O. 571).

(2) Averages of Bright Sunshine for Great Britain and Northern Ireland, 1921–50 (M.O. 572).

Earth Temperatures 1 foot and 4 feet.—The averages cover the period 1921–50.

STANDARDS OF TIME

All time entries in the *Monthly Weather Report* are in Greenwich Mean Time. British Summer Time was in force from March 26 to October 29; during this period clocks were one hour in advance of Greenwich Mean Time. At all other times clocks referred to Greenwich Mean Time. Observations at all stations were made at the same hours by Greenwich Mean Time throughout the year.

INTERPOLATED VALUES

When the observations for any station for a month are incomplete and relevant data (*e.g.*, records from neighbouring stations) which make it practicable to estimate approximate values for the missing observations are available, such approximate values may be used for completing summaries for stations published in Tables III and IV. Parts of a summary obtained in this way are shown in brackets thus—(11.3).

SEA TEMPERATURE

The mean temperature of the seas round the British Isles for the months of the year 1961 are shown by figures within circles on the maps in the monthly issues of this Report. In general the values are derived from readings of ships under way, or from light vessels, certain of which send returns of sea temperature to the Meteorological Office.

ADDITIONAL RECORDS AVAILABLE FOR 1961

Some additional records for 1961 were received which are not summarised in the *Monthly Weather Report*. These include monthly climatological summaries for certain hours additional to those summarised in Table IV (usually 0 h., 6 h., 12 h. and 18 h. G.M.T.), and, for certain stations, hourly tabulations of wind force and direction, rainfall duration and amount and duration of sunshine. The records for Scottish stations are available at the Meteorological Office, Edinburgh; those for stations in England and Wales at the Meteorological Office, M.O.3, Bracknell, Berks., and those for stations in Northern Ireland at the Meteorological Office, Belfast.

LIST OF STATIONS

A complete list of the climatological stations in Tables III and IV and of the anemograph stations in Table II was published in 1958. Amendments to that list were published in 1959 and 1960 and further changes are given on page viii. The stations printed in italics send in monthly returns but the values do not appear in the Report.

In the Tables of the *Monthly Weather Report* the stations are arranged according to Districts and Counties. In the list published in 1958 the alphabetical order is adopted, the latitude and longitude of each station being given. The National Grid References of stations are available if required.

Climatological returns are received from the following types of station:

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

Synoptic Stations.—The observations from these stations are primarily used in preparing synoptic charts for weather forecasting but climatological returns, in most cases for 0 h., 3 h., 6 h., 9 h., 12 h., 15 h., 18 h. and 21 h. G.M.T. and in certain cases for all hours, are also made. Synoptic stations are of two types:

- a.—Manned by Meteorological Office personnel.
- b.—Auxiliary Synoptic Stations manned by coastguards, lighthouse keepers or others whose occupations enable them to make meteorological observations at all hours.

Climatological Stations.—These stations contribute daily observations at 9 h. G.M.T., and at certain stations at 21 h. G.M.T. also, of temperature (wet- and dry-bulb), wind, amount of cloud and weather, with the daily maximum and minimum of temperature, the daily rainfall and remarks on the weather.

Observations of the range of visibility and records of sunshine are commonly made at these stations also.

Agricultural meteorological (Agro-met) Stations.—These are climatological stations participating in a scheme for the investigation of the relationship between weather and crops inaugurated by the Ministry of Agriculture, Fisheries and Food and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.

Health Resort Stations.—These are climatological stations co-operating with the Meteorological Office under a Health Resort Scheme. They make additional observations at 6 p.m. Clock Time (and in some cases at 9 a.m. Clock Time in addition when that differs from 9 h. G.M.T.) which are reported to the Meteorological Office by telegram for communication to the newspaper press.

Anemograph Stations provide summaries which are published in Table II (Autographic Records of Wind) of the *Monthly Weather Report*.

DISTRICT VALUE STATIONS, 1961

The following are the stations, summaries from which are used for the computation of the district values of temperature, rainfall, earth temperature and sunshine given in Table I:

TR, Temperature and Rainfall: E1, Earth Temperature at 1 foot: E4, Earth Temperature at 4 feet: S, Sunshine

Dist.	Station	Element	Dist.	Station	Element	Dist.	Station	Element
0	Fortrose	TR - - S	3	Cambridge	TR E1 E4 S	7	Bidston	TR - - S
	Lerwick	TR - - S		Gorleston	TR E1 E4 S		Bolton	- E1 E4 -
	Observatory ..	TR - - S		Rothamsted ..	TR E1 E4 S		Llandudno ..	TR - - S
	Onich	TR - - S		Shoeburyness ..	TR - - S		Manchester ..	- - - -
	Stornoway ..	TR - - S		Sprowston	TR - - S		Airport	TR - - S
Wick	TR - - S	Woburn	- E1 E4 -	Newton Rigg ..	TR - - S			
1	Craibstone ..	TR - - S	4	Birmingham ..	TR - - S	8	Bath	TR E1 E4 S
	Dundee	TR - - S		Bradford	TR E1 E4 -		Cardiff	TR E1 E4 S
	Edinburgh ..	TR - - S		Buxton	- E1 E4 -		Falmouth	TR - - S
	Marchmont ..	TR - - S		Huddersfield ..	- - - -		Ilfracombe ..	- E1 E4 -
	Nairn	TR - - S		Nottingham ..	TR - - S		Plymouth	- E1 E4 -
6	Dumfries	TR E1 E4 S	5	Oxford	TR E1 E4 S	NORTHERN IRELAND	Llandrindod Wells	TR - - S
	Eskdalemuir ..	TR - - S		Raunds	- E1 E4 -		Swansea	- E1 E4 -
	Kilmarnock ..	- E1 E4 -		Ross-on-Wye ..	TR E1 E4 S		Teignmouth ..	TR - - S
	Paisley	- E1 E4 -		East Malling ..	TR - - S		Aldergrove ..	TR - - S
	Renfrew	TR - - S		Hastings	TR E1 E4 S		Armagh	TR - - S
	Rothsay	TR - - S		Kew Observatory ..	TR E1 E4 S		Ballykelly ..	TR - - S
	Stirling	- E1 E4 -		Margate	- E1 E4 -		Garvagh	TR - - S
Tiree	TR - - S	Porton	TR - - S	Hillsborough ..	- - - -			
2	Cockle Park ..	TR - - S	Southampton ..	TR - - S				
	Cranwell	TR - - S	Wisley	- E1 E4 -				
	Durham	TR E1 E4 S						
	Hull	- E1 E4 -						
	Scarborough ..	TR - - S						
	York	TR E1 E4 S						

MONTHLY WEATHER REPORT ANNUAL SUMMARY—CORRECTIONS TO TEXT

Preamble to the percentage tables of Precipitation and Sunshine for England and Wales, Scotland and Northern Ireland in the Annual Summaries 1959 (pages 197 and 198) and 1960 (page 197) should in each case read 'expressed as a percentage of the period 1921-50' (or 1916-50 as the case may be), not just for the period.

MONTHLY WEATHER REPORT, 1961

Throwley—Observations from this station must be used with caution as they are sometimes taken at non-standard hours.

Hoddesdon—Monthly rainfall readings from this station should be used with caution owing to the use of a non-standard rain gauge funnel.

MONTHLY WEATHER REPORT, 1961, TABLE II

Kingsway—Anemometer heights from September 1959 should read, above mean sea level 208 ft., above ground 143 ft., effective height 41 ft.

Gorleston—Anemometer heights from October 1959 should read, above mean sea level 45 ft., above ground 33 ft., effective height 33 ft.

MONTHLY WEATHER REPORT, 1961—LIST OF STATIONS

The following changes should be made in the list published in the Introduction to the 1958 volume, as amended by the changes listed on page x of the Introduction to the 1959 volume, and page xi of the Introduction to the 1960 volume.

(1) Additions and alterations.

Station	County	Lat.	Long.	Authority
<i>Amersham</i>	Buckinghamshire ..	51 22N	01 09W	U.K. Atomic Energy Authority.
<i>Ballingry</i>	Fife	56 10N	03 19W	Headmaster, Ballingry Secondary School.
<i>Ballypatrick Forest</i>	Antrim	55 10N	06 09W	N.I. Ministry of Agriculture.
<i>Baronscourt Forest</i>	Tyrone	54 41N	07 27W	
<i>Bedford</i>	Bedford	52 09N	00 29W	North Beds. Water Board.
<i>Bugbrooke Mills</i>	Northants	52 13N	01 00W	Heygates Ltd.
<i>Carmarthen</i>	Carmarthen	51 51N	04 18W	Principal, Pibwrlwyd Rural Tech. College.
<i>Ceinws</i>	Montgomery	52 38N	03 50W	Forestry Commission.
<i>Chiseldon</i>	Wiltshire	51 31N	01 42W	N. Brooks, Esq.
<i>Corbridge</i>	Northumberland	54 53N	02 01W	Headmaster, Corbridge County Sec. School.
<i>Costa</i>	Orkney	59 08N	03 09W	J. Will, Esq.
<i>Cumbernauld</i>	Dunbarton	55 58N	03 58W	Chief Architect and Planning Officer.
<i>Derrynoyd Forest</i>	Londonderry	54 47N	06 48W	N.I. Ministry of Agriculture.
<i>Divis Mountain</i>	Antrim	54 36N	06 00W	Queen's University (Geog. Dept.).
<i>Dunblane</i>	Perth	56 11N	03 58W	Borough Surveyor.
<i>Earls Hill</i>	Stirling	54 04N	04 03W	Decca Ltd.
<i>Ely Lodge</i>		54 24N	07 42W	
<i>Fylingdales Moor</i>	Yorks. E.R.	54 22N	00 39E	Chief Resident Engineer.
<i>Garvagh Forest</i>	Londonderry	54 58N	06 41W	N.I. Ministry of Agriculture.
<i>Goudhurst</i>		51 04N	00 27E	
<i>Grendon Underwood</i>	Buckinghamshire	51 54N	01 01W	Director, D.S.I.R., Wallingford.
<i>Hamnavoe</i>	Zetland	60 06N	01 20W	Headmaster, Junior Secondary School.
<i>Haslemere (Marley House)</i>	Sussex	51 02N	00 47W	C. Bourne, Esq.
<i>Helen's Bay</i>	Down	54 40N	05 45W	T. D. Boyd, Esq.
<i>Houghall</i>		54 46N	01 34W	
<i>Knockmarny Forest</i>	Tyrone	54 26N	07 10W	N.I. Ministry of Agriculture.
<i>Largs</i>		55 48N	04 53W	
<i>Larne</i>	Antrim	54 51N	05 50W	Headmaster, Larne Grammar School.
<i>Lochinver</i>	Sutherland	58 08N	05 16W	C. McLaren, Esq.
<i>Loughermore</i>	Londonderry	54 57N	07 05W	N.I. Ministry of Agriculture.
<i>Lough Navar Forest</i>	Fermanagh	54 26N	07 54W	" " "
<i>Manston</i>	Kent	51 21N	01 21E	Meteorological Office.
<i>Medmenham</i>	Buckinghamshire	51 33N	00 50W	Water Research Association.
<i>Mertoun</i>	Berwick	55 35N	02 34W	Lord Ellesmere.
<i>Newry</i>	Down	54 10N	06 20W	Christian Brothers, Newry Abbey.
<i>North Hessary Tor</i>	Devon	50 33N	04 00W	British Broadcasting Corporation.
<i>Poolewe</i>	Ross	57 47N	05 36W	National Trust for Scotland.
<i>Pubble Forest</i>	Fermanagh	54 21N	07 28W	N.I. Ministry of Agriculture.
<i>Reagh Island</i>	Down	54 31N	05 38W	T. D. Boyd, Esq.
<i>Somerset Forest</i>	Londonderry	55 06N	06 41W	N.I. Ministry of Agriculture.
<i>Stenness</i>	Orkney	58 59N	03 13W	P. Leith, Esq.
<i>Strachan (Moss-side)</i>	Kincardine	57 01N	02 30W	Nature Conservancy.
<i>Threave</i>	Kirkcudbright	54 56N	03 57W	Supt., School of Practical Gardening.
<i>Tobermory</i>	Argyll	56 37N	06 03W	Lt.-Col. C. P. Anderson.
<i>Wincanton</i>	Somerset	51 04N	02 25W	Headmaster, King Arthur's Secondary School.
<i>Whitby (Coastguard)</i>	Yorks. N.R.	54 29N	00 36W	Ministry of Transport.

(2) Deletions.

Bingley, Colmonell, Dalwhinnie, *Dolgarrog*, *Dundonald*, Felixstowe, Glenlivet, Goldington, *Great Bookham*, *Hawes*, *Keswick*, Killinghall, Langar, Lochranza, Midcalder, Ringwood, Ruscombe, *Ruthwell*, *St. Asaph*, Southampton (Eastleigh), Tarfside, Walton-on-Naze, Wellingborough, Wheaton Aston, Wirksworth, Wokingham.

(3) Stations, not published in 1960, which were published in 1961.

Achnagoican, Ballyhalbert, Balmacara, Bardsey Is. Lighthouse, Belper, Benenden, Benmore Y.B.G., Bessbrook, Blairgowrie, Botwnnog, Bwlchgwyn, Callander, Campbeltown, Carlisle, Culdrose, Dunfermline (Pitreavie), Dunning, Earls Colne, Eglinton, Gainsborough, Garve (Blackbridge), Grizedale, Holywood, Letcombe Regis, Lossiemouth, Mackworth, Manchester Weather Centre, Manston, Oban, Parkmore Forest, Rustington, St. Andrews, Slapton, Tarfside, Tollymore Park, Wallingford.

(4) Stations published in 1960, which were not published in 1961.

Allendale Town, Bayfordbury, Blackbushe, Dunoon Waterworks, Dunstable, Fernhurst, Hankham, Hawes, Kete, Loch Shiel, Ruthwell, Saffron Walden, St. Asaph, Silloth, Stevenage, Walton-on-Naze, West Malling.

DUPLICATE

Monthly Weather Report

M.O. 672X 701

OF THE METEOROLOGICAL OFFICE

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



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Volume 78 Number 1

Published by HER MAJESTY'S STATIONERY OFFICE

"Adoption of Celsius Temperature Scale"

All temperatures in this and subsequent reports will be given in the Celsius (Centigrade) scale. A conversion scale will be found at the end of Table III.

January 1961 — *Changeable and rather cold*

Weather during the month was mainly cyclonic, with troughs or depressions moving eastwards over or near the British Isles, except from about 17th to 25th when a large blocking anticyclone was centred over Northern Europe and the boundary between maritime and continental air lay across the British Isles.

The first two weeks were generally unsettled and wet. On the 1st and 2nd a complex depression moved south-east across Scotland and northern England to the North Sea accompanied by widespread and locally heavy rain. Two days of squally wintry showers and northerly winds followed, but on the 5th another depression moved south-east across northern and eastern districts bringing a renewal of widespread and at times heavy rain with scattered thunderstorms. On the 6th, winds veered to north again as the depression moved away towards Germany and there were bright periods and occasional showers in most districts during the day, but that night, with decreasing wind there was widespread frost; grass minimum temperature fell to -8°C or below at a number of places. A trough of low pressure moving eastwards from the Atlantic gave another day of general rain on the 7th with snow at first in the north; then after a day of showers, another wet day followed on the 9th when there was prolonged rain over much of England and Wales associated with the southward movement of a trough of low pressure from Scotland to France. Cold north-easterly winds accompanied by occasional rain or showers spread over the British Isles behind the trough, but the wind soon moderated as a ridge of high pressure from the Atlantic moved eastward across the country giving a generally fine day on the 11th. Frost was widespread that night and there were some fog patches. Further rain on the 12th and 13th, which was unusually heavy locally in North Wales and north-west England, was associated with a cold front moving slowly south-east across the country; on the 12th over three inches of rain fell in parts of Merionethshire in twenty-four hours.

An anticyclone from the Atlantic became centred over Britain on the 14th giving a generally fine sunny day but in some industrial areas overnight fog failed to clear and temperatures remained around freezing even during the afternoon. Very high pressure built up over northern Europe during the next few days forming a large anticyclone which blocked the eastward progress of troughs from the Atlantic. For most of the remainder of the month the British Isles was in a marginal area between cold dry air from the continent and mild moist air from the Atlantic.

Winds were generally from between east and south-east from 15th to 18th and weather mainly dry but cloudy during the daytime after the dispersal of early morning fog.

These easterly winds were interrupted, however, for two or three days when, on the 19th, a trough of low pressure from the Atlantic brought rain to most districts. The rain was mostly slight although there were heavier outbreaks in thunderstorms near the south coast. The 20th and 21st were also mild and rather wet with troughs from the Atlantic moving east across the country.

Easterly winds and generally dry cold weather were re-established over most of the country on the 22nd except in the south-west of England where the dull wet weather persisted for several days.

There was a complete change in the weather on the 27th. An intense depression from mid-Atlantic brought widespread rain and gales as the anticyclone over Scandinavia moved away eastwards. Winds exceeded 90 kt in gusts at a number of places in northern Scotland. This was the beginning of an exceptionally wet and stormy period which lasted until the end of the month. Troughs from the Atlantic gave some unusually heavy rain in parts of southern England but weather was generally mild and there were sunny periods between the rain-belts.

Pressure and Wind — Except in the north of Scotland mean pressure was below the average almost everywhere, the deviation at 9h ranging from $+1.6\text{mb}$ at Lerwick to -4.2mb at Scilly. Apart from outbreaks

of northerly winds on the 3rd, 4th, 6th and 10th, winds were mainly south-westerly until the 12th, becoming light and variable on the 13th and 14th and then between south and south-east until the 26th when they became south-westerly again until the end of the month. Wind reached gale force in Scotland on seventeen days and on the 1st-6th, 12th, 15th, 17th, 18th and 24th-31st (eighteen days) in England and Wales. The last week of the month was very stormy. On the 26th, 27th and 28th there were eleven, nineteen and four hours respectively with gusts exceeding 48 kt at Lerwick; a gust reached 95 kt on the 27th, the highest speed ever recorded there, during a severe gale which did considerable structural damage. On the same day gusts of 93 kt and 90 kt were recorded at Stornoway and Kirkwall respectively.

Temperature — Mean temperature was below the 1921-50 average, the deficit being 0.3°C in England and Wales, 0.6°C in Scotland and 0.9°C in Northern Ireland. The warmest days were around the 11th and 12th and again around the 27th; on the latter date temperature exceeded 12°C at a number of places in Inverness-shire and adjacent counties.

Extremes included: (England and Wales) 13.9°C at Colwyn Bay and Askham Bryan on the 29th, -9.4°C at Moor House on the 7th and at Alwen on the 26th; (Scotland) 13.9°C at Lossiemouth on the 27th, -12.2°C at Grantown-on-Spaw on the 16th; (Northern Ireland) 12.2°C at Ballykelly on the 27th and at Eglinton and Loughall on the 26th and 27th, -8.3°C at Armagh on 15th.

Precipitation — The general precipitation expressed as a percentage of the 1916-50 average was 127 in England and Wales, where it was the seventh consecutive month with rainfall above the average, 85 in Scotland and 99 in Northern Ireland. Less than half the average occurred in north-west Scotland but more than 150 per cent of the average was recorded on the coasts of Devon and Cornwall, in south Kent and Sussex, north Norfolk, the Wirral peninsula, the Cheshire plain, the eastern Pennines and the Vale of York.

Falls exceeded one inch in twenty-four hours in Northern Ireland on the 2nd, in western Scotland on the 11th and 26th, in North Wales on the 12th and in south-west England on the 24th and 29th.

Snow was widespread in Scotland during the first week of the month and lay several inches deep in places on the 2nd-5th. It was fairly widespread in northern and central England during the first and last ten days of the month. At Malham Tarn snow lay 2-4 inches deep on the 3rd-8th and 21st-27th while at Moor House, where most of the precipitation fell as snow, it lay 12-16 inches deep on the 3rd-12th and there were drifts of more than three feet deep. In southern England snow or sleet was fairly widespread around the 3rd and 25th, and snow lay locally to a depth of 2-3 inches.

Thunder was heard locally in Scotland on the 6th-9th and 27th-28th. In England and Wales thunderstorms were fairly widespread on the 5th and 31st and thunder also occurred on the 1st-4th, 8th, 9th, 28th and 29th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 90 in England and Wales, 118 in Scotland and 132 in Northern Ireland. In Scotland, sunshine was above the average in the north and west but below in the east; it was 190 per cent of the average at Stornoway and Tiree. In England and Wales sunshine was generally above the average north of a line from the Mersey to the Humber, but below the average south of this line.

Fog — In Scotland, fog occurred locally on most mornings during the first two weeks of the month and was widespread on the 22nd-25th. In England and Wales there was early morning fog at one place or another on the 1st, 3rd, 5th, 7th-25th, 27th, 28th and 30th (twenty-seven days).

Miscellaneous Phenomena — The aurora was visible in Scotland on fourteen nights.

MWR dep

TABLE I—DISTRICT VALUES— JANUARY 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average
			Max.	Min.	Mean					
0 SCOTLAND, N.	13.3	-11.1	-0.6	-0.4	-0.5	-	-	84	-4	128
Eastern										
1 SCOTLAND, E.	13.9	-12.2	-0.7	-0.1	-0.5	-	-	105	+3	92
2 ENGLAND, N.E.	12.8	- 8.3	-0.7	-0.5	-0.5	-0.8	-0.3	147	+4	103
3 ENGLAND, E.	12.4	- 6.1	-0.5	0.0	-0.3	-0.6	-0.5	110	+1	93
4 MIDLAND COUNTIES	13.9	- 7.2	-0.6	-0.2	-0.4	-0.8	-0.4	113	+1	72
5 ENGLAND, S.E.	12.2	-5.6	0.0	+0.2	0.0	-0.3	-0.2	146	-2	105
Western										
6 SCOTLAND, W.	12.2	-10.0	-0.5	-0.8	-0.6	-0.9	-0.1	84	-4	133
7 ENGLAND, N.W. (and N. Wales)	13.9	- 9.4	-0.7	-0.4	-0.5	-0.6	-0.3	147	0	98
8 ENGLAND, S.W. (and S. Wales)	13.3	- 5.6	-0.3	-0.4	-0.4	-0.7	-0.7	130	+2	70
NORTHERN IRELAND	12.2	- 8.3	-0.4	-1.3	-0.9	-	-	99	-5	132

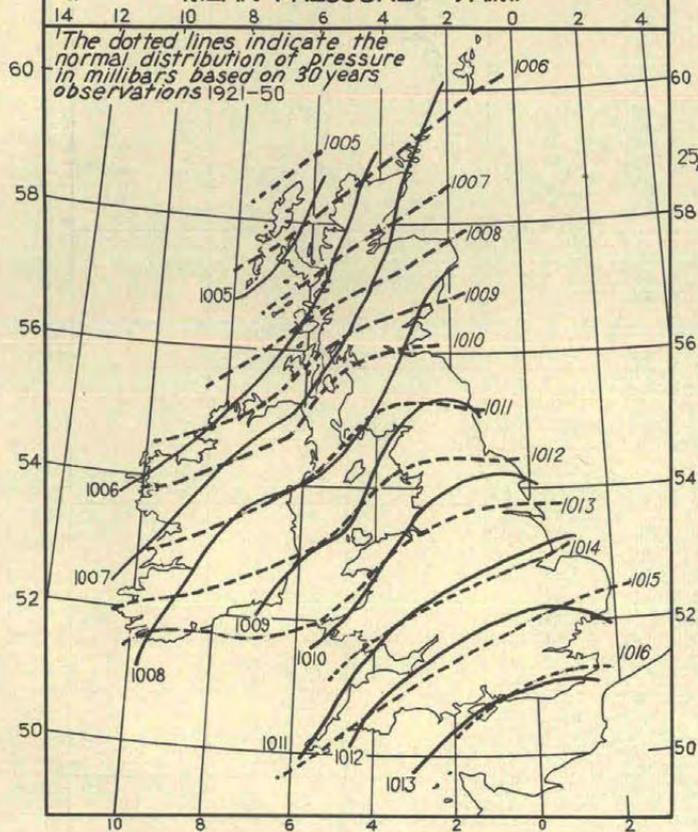
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed										Highest Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots		4 to 10 knots		Less than 4 knots		No Record	Mean Hourly Wind Speed	Highest Hourly Wind			Highest Gust		
	ft.	ft.	ft.	Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Duration	knots	Veer from N.	Speed	Hour ended at	Speed	Day and Time			
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day h.m.			
SCOTLAND																					
0 Zetland	Lerwick	310	53	37	11.12.19.26-28	30	45	17	176	372	132	19	0	18.2	210	64	27	18	95	27	1745
Orkney	Kirkwall (Grimsetter)	135	51	33	26.27		25	17	123	456	77	63	0	16.3	230	59	27	17	90	27	1640
Caitness	Downreay	110	39	30	27.		11	9	67	360	274	5	27	13.1	240	49	27	15	86	27	1440
	Halkirk (Olgrinbeg)	272	40	40	27		4	3	26	222	356	131	5	9.2	230	46	27	16	69	27	1550
Ross & Stornoway	Coastguard	120	40	36	11.24-28		57	19	145	342	61	139	0	16.4	250	60	27	15	93	27	1400
Gromarty	Duirinish	125	65	55	26.27		10	6	38	312	288	96	0	11.0	180	50	27	13	83	27	1300
Inverness	Benbecula	69	51	35	18.26.27.		32	13	117	362	178	55	0	15.2	270	55	27	13	82	27	1225
1 Moray	Lossiemouth	79	59	45	26.27.		6	9	43	212	302	181	0	9.3	200	54	27	14	82	27	1345
Aberdeen	Dyce	225	40	40	27		3	5	20	130	369	222	0	7.1	170	35	27	10	49	27	1000
Angus	Bell Rock Lighthouse	128	131	124	3.6.18.19.26.27.		43	23	215	363	109	14	0	18.9	220	46	27	14	65	27	1330
Perth	Rannoch	1006	56	57	27 (29.31)		3	3	18	219	349	154	1	8.5	-	46	27	13	83	27	1140
Fife	Leuchars	75	42	40	*																
Midlothian	Edinburgh	485	39	23	27		2	6	39	202	362	139	0	9.1	180	35	27	11	66	27	1140
6a Argyll	Tiree	89	60	47	7.11.17.18.24-25		103	20	215	275	99	52	0	20.0	260	54	27	12	86	27	1130
Bute	Millport	50	34	34	9.27		7	14	70	368	169	130	0	12.6	230	36	27	12	66	27	1055
Renfrew	Paisley	188	81	31	27		2	2	11	120	391	220	0	6.7	170	35	27	09	70	27	0725
	Renfrew	71	41	39	27		3	4	20	249	311	161	0	9.0	200	45	27	12	78	27	1120
Ayr	Prestwick Airport	35	33	33	-		0	5	38	308	286	112	0	10.4	220	32	27	12	63	27	1110
Dumfries	Eskdalemuir	825	50	35	-		0	3	13	180	253	298	0	6.5	160	31	27	11	63	27	1155
ENGLAND and WALES																					
6b Isle of Man	Point of Ayre	70	40	35	29		3	17	126	384	174	57	0	14.6	230	34	29	13	66	29	1435
2 Durham	Durham	389	53	33	27																
	South Shields	73	57	44	3		1	10	51	292	342	58	0	11.2	250	36	3	18	53	4	1215
Lincoln	Cranwell	288	47	47	29		3	8	55	290	273	123	0	10.7	310	37	29	10	55	29	0940
3 Norfolk	Gorleston	52	42	34	27		5	13	68	391	234	39	7	12.7	170	36	27	12	49	27	1210
Suffolk	Mildenhall	98	83	60	-		0	4	25	338	338	43	0	10.6	220	29	29	11	53	29	2005
	Felixstowe	85	75	65	-		0	11	55	378	272	39	0	12.6	220	30	29	14	48	5	2245
Bedford	Cardington	226	133	133	29.31		17	9	52	331	286	58	0	12.0	220	39	29	13	62	31	1720
Hertford	Rothamsted	461	41	33	-		0	1	2	160	503	79	0	7.5	260	22	31	24	51	31	2245
	Stanstead Abbots	138	41	40	-		0	2	3	175	482	83	1	7.9	290	24	31	24	42	31	2400
Essex	Coryton	66	57	48	-		0	2	9	233	485	17	0	9.4	220	26	29	15	48	29	1450
	Shoeburyness	118	106	91	27.28		8	17	96	441	166	25	8	14.6	210	37	29	14	53	29	1335
4 Yorks., W.R.	Sheffield	533	83	35	-		0	1	1	190	393	160	0	7.4	220	22	29	17	48	29	1615
Warwick	Birmingham	643	118	73	-		0	3	9	241	480	14	0	9.6	270	27	31	23	54	31	2220
Stafford	Keele	706	50	40	-		0	2	8	179	436	121	0	8.1	230	28	29	16	54	29	1520
Gloucester	Avonmouth	92	61	33	/																
5 London	Kingsway	231	180	40	-		0	2	14	399	327	4	0	11.3	210	25	29	15	52	31	2210
Middlesex	London Airport	115	33	33	-		0	4	26	259	414	45	0	9.9	210	30	29	13	46	31	2320
	Hampton	139	101	100	-		0	3	19	216	431	78	0	9.0	220	29	29	13	55	31	1750
Surrey	Kew Observatory	92	75	50	-		0	1	11	172	460	101	0	8.2	210	25	29	13	51	31	1755
	Gatwick	232	38	33	-		0	6	32	217	398	97	0	9.2	220	32	29	15	52	29	1340
Kent	Isle of Grain	48	40	33	-		0	4	13	183	344	154	50	8.0	(230)	27	29	11)	(48)	5	2215
	Dungeness	70	50	33	/																
	Dover	68	38	62	/																
Sussex	Thorney Island	75	65	42	-		0	5	11	159	349	225	0	7.1	230	24	29	18	50	28	1645
Hampshire	Southampton (Eastleigh)	95	60	41	-		0	5	21	258	379	81	5	9.3	290	26	28	17	53	28	1630
	Calshot	50	41	33	-		0	9	54	354	262	1	73	12.8	210	32	5	20	50	28	1630
	S. Farnborough	318	89	35	-		0	1	2	166	266	310	0	6.3	250	27	31	22	59	31	1725
Berkshire	Abingdon	285	40	40	-		0	3	23	227	376	118	0	8.9	250	30	31	22	50	31	2120
Wiltshire	Larkhill	491	51	36	-		0	5	28	240	426	50	0	9.9	240	29	31	22	54	29	1110
	Porton	406	44	44	-		0	6	28	245	390	81	0	9.6	220	33	29	11	50	31	2010
7a Cumberland	Sellafield	83	39	35	27		5	11	83	369	201	74	12	12.9	140	37	27	10	57	27	0805
	Spadeadam	959	51	40	27.29		10	11	55	370	216	93	0	12.1	190	44	27	12	70	29	1320
Westmorland	Moor House	1960	50	45	/																
Lancashire	Southport	59	41	33	29.31		4	11	45	313	277	105	0	11.0	330	39	31	23	54	31	2220
	Speke	180	100	65	27.29		11	15	53	408	244	28	0	13.2	230	45	29	14	66	29	1400
Cheshire	Bidston Observatory	262	64	39	29.31		2	15	63	407	236	33	3	-	280	35	29	20	65	29</	

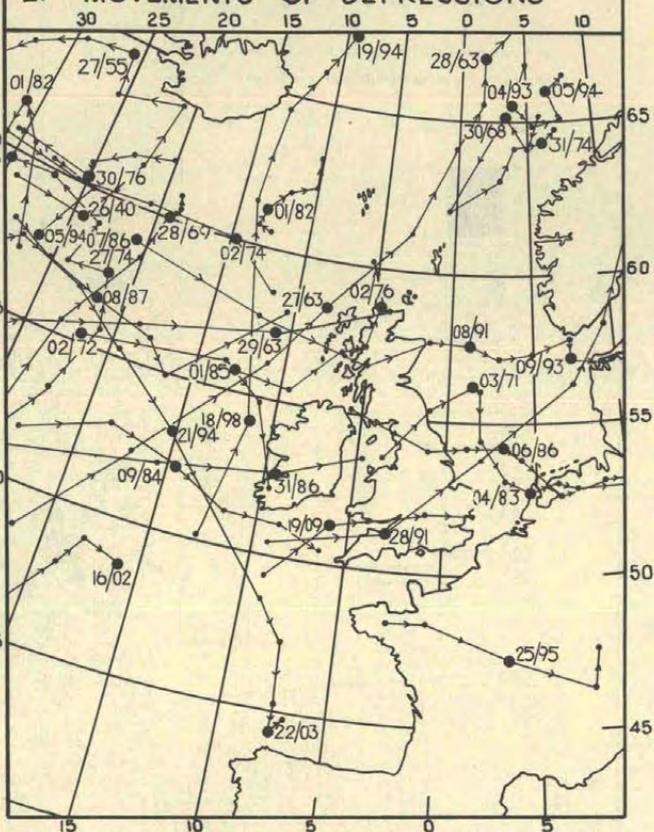
MONTHLY WEATHER CHARTS

JANUARY 1961

1. MEAN PRESSURE 9 A.M.

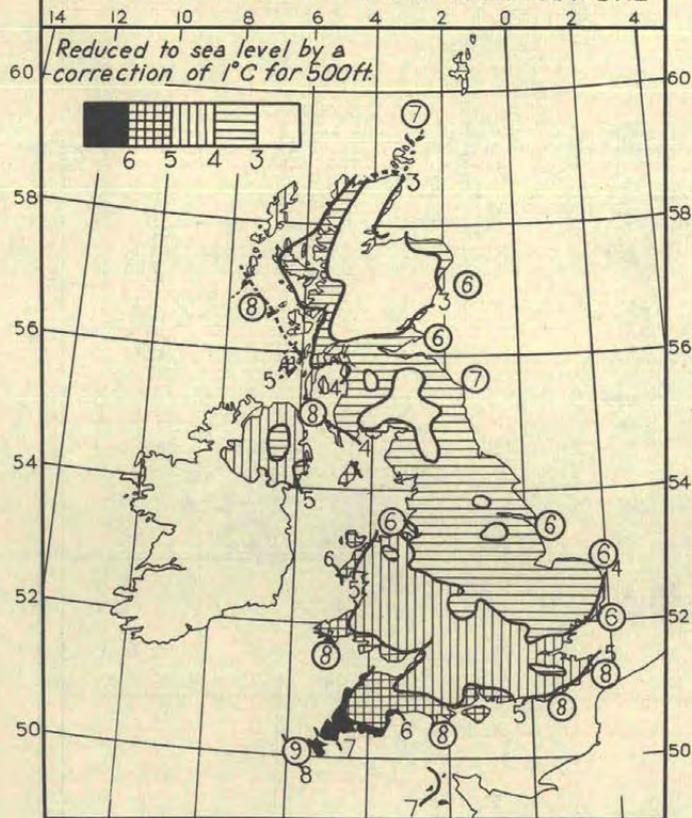


2. MOVEMENTS OF DEPRESSIONS



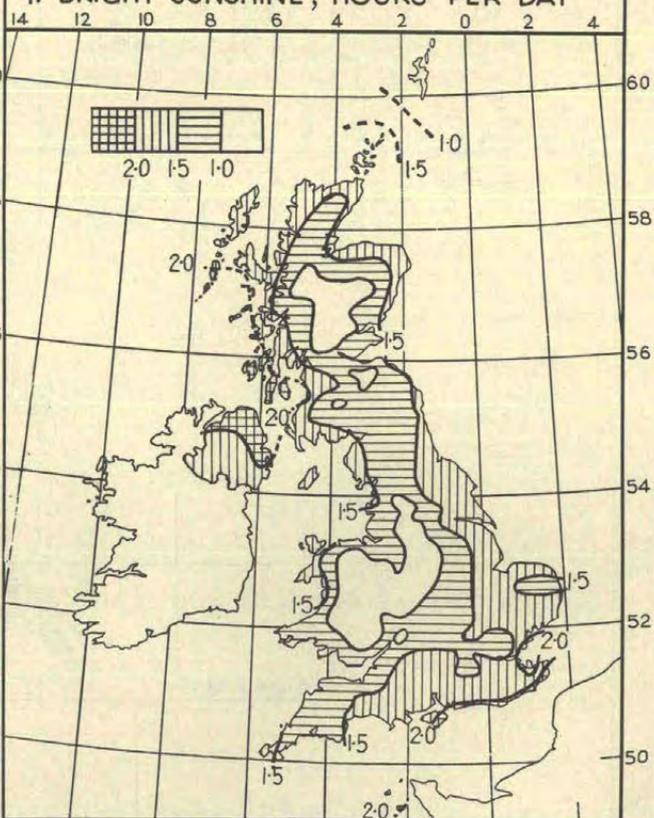
Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



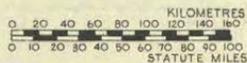
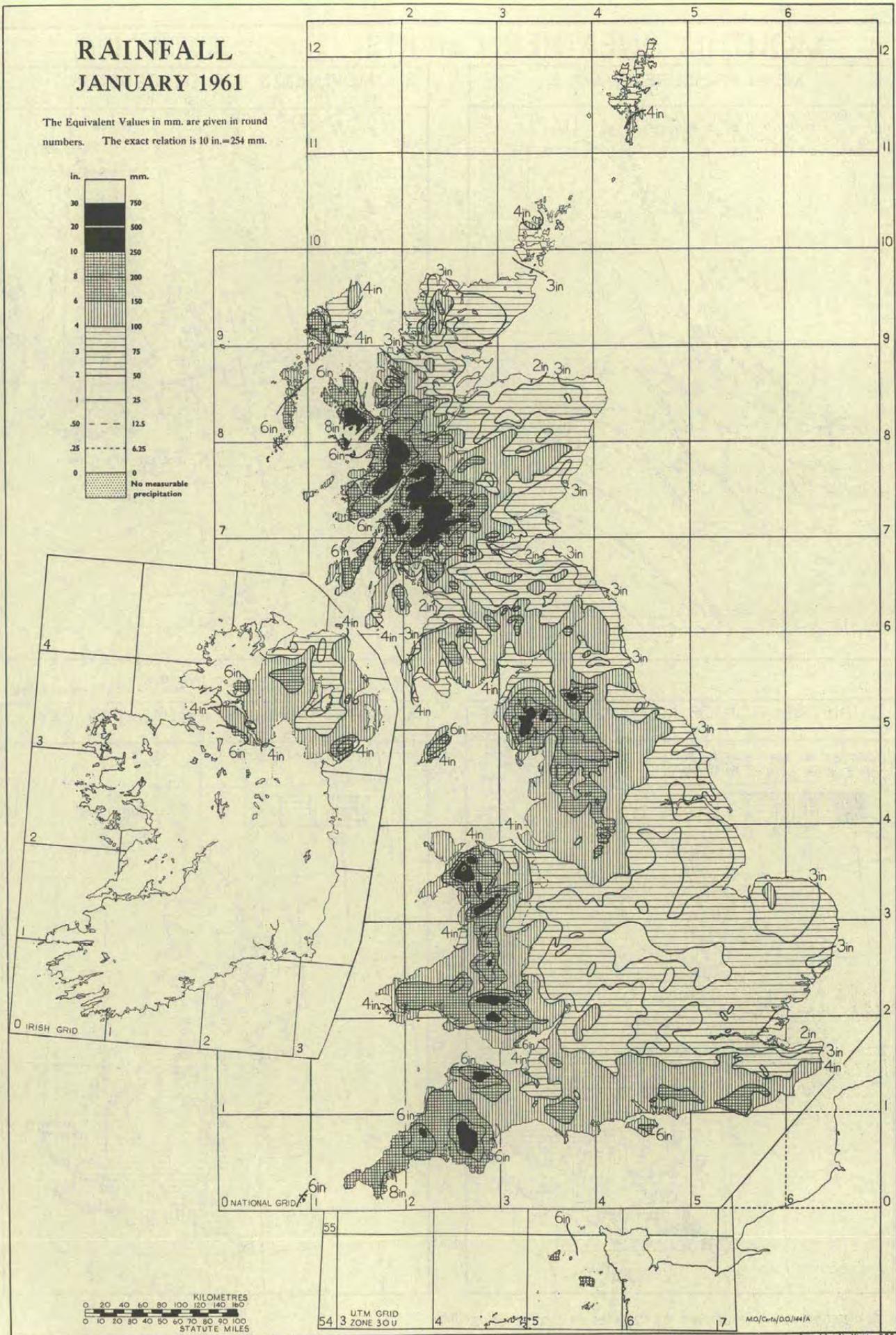
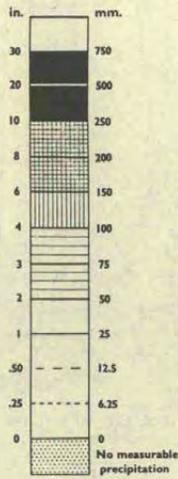
Sea temperatures are shown by figures in circles, thus: ⑩

4. BRIGHT SUNSHINE, HOURS PER DAY



RAINFALL JANUARY 1961

The Equivalent Values in mm. are given in round numbers. The exact relation is 10 in. = 254 mm.



UTM GRID
3 ZONE 30U

MO/Cwt/DO/44/A

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TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY 1961

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Celsius (Means of A, B, Mean of A and B, Difference from Average, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Precip'n (0.01 in. or more, 0.01 in. or more); Weather (Number of days for Snow or Sleet, Snow lying at 9h, Hail, Ice or snow pellets etc., Thunder heard, Fog at 9h, Air Frost, Grass min. 0°C or less, Gale); Bright Sunshine (Daily Mean, Percentage of Average).

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.1mm. or more)	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.		Mean Temperature Mean of A and B	Maximum	Date	Minimum					Date	Amount													Date			
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr.	%			
1 SCOTLAND, E.—cont.																															
Midlothian cont.	Penicuik	99	620	4.4	-0.9	1.7	-	9.4	12,27	-8.3	16	1.4	-	3.93	-	.57	9,29	19	15	10	4	3	0	0	0	0	17	28	1	0.44	-8
	Bush House	99	605	4.7	-0.8	1.9	-	10.0	12,27	-6.7	16	1.4	3.4	3.73	-	.87	29	16	13	6	3	0	1	0	1	16	28	1	-	-	
	Edinburgh—																														
	Blackford Hill	99	441	5.4	0.7	3.1	-0.6	11.1	12	-2.8	16,26	-	-	2.72	111	.72	9	17	13	2	2	0	1	0	1	12	25	1	1.42	84	
	Liberton	99	200	5.8	-0.2	2.8	-	11.7	12	-5.6	16	-	-	2.74	-	.75	9	15	11	5	2	2	0	0	0	0	17	-	0	1.17	-
	Botanic Garden	99	74	5.9	0.2	3.1	-	11.1	12,27	-6.1	15	2.2	-	2.73	-	.56	9	14	14	3	1	0	0	0	2	13	26	1	1.07	-	
E. Lothian	Haddington	99	162	5.7	0.2	2.9	-	11.1	12	-5.6	16	-	-	2.30	-	.36	3	19	13	3	0	1	2	0	0	13	25	2	0.96	-	
	North Berwick	99	51	6.4	0.9	3.7	+0.1	11.7	12,27	-3.9	15	-	-	2.57	121	.40	8	19	13	3	2	1	1	0	0	10	-	0	1.36	108	
	Dunbar	99	75	6.2	1.3	3.7	-	11.7	12	-3.9	16	-	-	2.56	-	.45	8	19	14	4	0	1	0	0	0	7	17	0	1.74	-	
Berwick	Marchmont	99	498	4.3	-0.3	2.0	-0.7	8.3	12,27,29	-5.6	16	-	-	3.22	112	.71	5	22	15	7	4	3	0	0	0	14	-	1	1.16	898	
	St. Abb's Head	99	245	4.9	2.5	3.7	-	9.0	12	-1.0	26	-	-	2.55	-	.56	19	20	14	3	0	3	0	1	0	2	13	6	-	-	
Peebles	Broughton	99	741	4.7	-1.2	1.7	-	9.4	12	-8.9	16	-	-	3.60	-	.46	3	17	16	5	0	0	4	0	0	17	25	0	-	-	
	Blyth Bridge	99	830	4.3	-0.8	1.7	-	9.4	12	-6.7	16	-	-	2.85	-	.61	11	19	14	9	2	1	5	0	0	18	28	1	1.06	-	
	West Linton	99	800	4.4	-1.2	1.6	-	9.4	12	-7.2	16	0.4	3.4	3.98	-	.76	29	19	17	9	5	2	0	0	2	20	26	0	-	-	
	Peebles	99	645	5.1	-	-	-	10.0	12	-	-	-	-	3.00	-	.60	3	17	14	6	1	2	0	0	0	0	26	0	0.55	-8	
	Peebles (Glentress)	99	580	-	1.0	-	-	-	-	-8.3	16	-	-	3.57	-	.77	3	16	15	9	2	0	0	0	0	14	-	0	-	-	
Selkirk	Selkirk (Bowhill)	99	600	4.6	-1.7	1.5	-	8.9	12	-8.3	16	-	-	3.71	-	.72	3	19	17	10	3	0	3	1	0	22	-	1	-	-	
Roxburgh	Hawick (Wauchope)	99	560	4.9	-1.4	1.7	-	8.9	12,29	-8.3	16	-	-	3.82	-	.67	5	18	18	-	2	-	-	-	0	22	-	-	-		
	Sourhope	99	900	4.2	-0.7	1.7	-	8.9	12,29	-5.0	11	-	-	4.81	-	.82	3	23	18	4	4	0	2	0	0	17	28	2	1.02	-	
6a SCOTLAND, W.																															
Argyll	Tiree	99	29	7.1	3.2	5.1	-0.5	11.2	27	0.0	11	-	-	5.10	107	.95	18	18	15	3	0	0	8	0	0	1	14	9	2.20	191	
	Rhuvaal	99	65	7.1	3.4	5.3	-	11.8	27	0.5	7	-	-	6.43	-	1.04	26	16	16	1	0	7	0	0	0	0	7	5	-	-	
	Colonsay	99	87	7.1	1.7	4.4	-	10.6	27	-4.4	11	-	-	4.17	72	.74	11	18	15	0	-	1	8	1	1	5	-	4	-	-	
	Campbeltown	99	10	7.4	1.6	4.5	-	11.7	12	-2.8	11	-	-	3.41	-	.83	7	15	14	-	0	-	-	-	-	7	-	-	2.19	-	
	Tarbert (Achaglachgach)	99	40	7.1	0.3	3.7	-	11.7	12	-6.7	7	-	-	5.01	-	1.01	26	16	14	2	0	0	3	0	0	13	27	0	-	-	
	Oban	99	229	6.4	1.4	3.9	-	10.6	27	-2.2	16	-	-	6.42	104	.87	11	17	15	8	1	4	0	2	0	7	24	2	1.45	1538	
	Lepinmore	99	30	6.5	0.8	3.7	-	10.6	12,27	-3.3	7,11	-	-	7.92	-	1.95	26	17	16	1	0	0	3	1	1	14	23	0	1.39	-8	
	Glenbranter	99	120	5.4	-0.8	2.3	-1.1	10.6	12	-6.1	11,12	-	-	11.28	99	2.02	26	21	16	-	3	-	-	-	0	17	27	-	-		
	Benmore (Forestry Sch.)	99	46	6.3	-1.7	2.3	-	10.6	12,27,29	-5.6	7,11,15,18	-	-	9.71	88	1.60	26	19	16	5	2	1	0	0	2	23	30	0	-	-	
	Benmore (Younger Bot. Gdn.)	99	40	6.2	0.3	3.3	-	11.1	12	-5.0	7,11,12	-	-	9.70	-	1.58	26	19	18	6	2	2	2	0	1	12	26	0	-	-	
Bute	Lochranna	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Rothsay	99	150	5.9	1.9	3.9	-0.6	10.0	27	-2.2	11	3.2	5.1	4.95	83	.81	11,26	21	16	2	0	0	0	0	1	4	17	2	1.57	138	
	Millport	99	16	6.9	2.5	4.7	-	10.0	12,27,29	-1.1	12	-	-	4.10	82	.77	11	18	13	3	0	0	0	0	0	0	4	-	5	-	-
Dunbarton	Helensburgh	99	293	5.2	-0.2	2.5	-0.9	10.6	27	-5.0	11	-	-	5.46	83	.88	8	19	14	6	2	0	0	0	0	17	-	1	-	-	
	Stirling	99	151	5.6	0.2	2.9	-0.5	10.0	12,27	-6.1	16	1.7	5.8	3.65	80	.64	29	18	13	5	5	0	2	0	2	14	23	1	-	-	
	Falkirk	99	100	5.8	-0.1	2.9	-	10.6	12	-5.0	15	-	-	3.49	-	(.47)	28	15	13	-	1	-	-	-	12	16	-	-	-		
Renfrew	Greenock	99	200	6.1	1.2	3.7	-0.5	11.1	27	-3.3	16	-	-	6.76	86	1.23	11	18	16	4	2	2	0	0	4	8	21	1	1.01	-8	
	Paisley	99	106	5.9	0.3	3.1	-0.9	10.0	12,27	-3.9	11	3.2	6.5	3.94	76	.62	26	18	13	4	4	0	0	0	11	15	24	1	1.15	1248	
	Barrahead	99	97	5.8	-0.4	2.7	-	10.0	12,27	-6.1	11	-	-	4.42	-	.66	11	16	15	5	0	0	0	0	4	17	22	1	-	-	
	Renfrew	99	28	5.7	0.5	3.1	-0.5	10.0	12,27,29	-5.6	11	-	-	3.28	70	.48	29	17	13	8	0	2	0	0	0	5	13	24	2	1.20	121
Lanark	Thorntonhall	99	453	5.1	-0.6	2.3	-	10.0	12	-6.7	16	-	-	4.17	-	.69	29	17	14	5	2	0	2	0	-	18	28	0	-	-	
	Glasgow, Spr. Pk.	99	351	4.9	-0.2	2.3	-	9.4	12,27	-5.0	16	-	-	3.31	78	.61	29	18	13	6	2	0	2	0	0	16	29	1	1.32	-	
	Coatbridge	99	256	5.3	-0.1	2.6	-	10.6	12	-5.0	16	-	-	2.53	-	.58	29	14	13	0	0	0	0	0	0	15	-	0	-	-	
	Coalburn (Midtown)	99	707	4.4	-1.9	1.3	-	10.0	12	-10.0	16,17	1.8	-	3.83	-	.84	29	18	15	6	1	3	0	0	0	20	25	1	1.71	-	
	Lowther Hill	99	2377	0.8	-3.1	1.1	-	9.0	29	-7.0	25,26	-	-	-	-	-	-	-	-	18	-	0	0	0	22	30	-	8	0.67	-	
	Leadhills	99	1270	3.1	-1.5	0.8	-	7.8	12	-7.8	11	-	-	6.17	-	1.11	11	19	15	12	2	0	1	0	0	21	26	2	-	-	
	Carnwath	99	708	4.4	-1.2	1.6	-	9.4	12	-8.3	16	-	-	2.60	-	.38	29	15	12	6	4	1	0	0	0	19	31	3	-	-	
Ayr	Colmonell	99	170	6.5	0.2	3.3	-1.0	10.6	12,27,29	-6.1	11,16	-	-	3.47	69	1.10	26	17	14	-	0	-	-								

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY 1961

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Celsius (Means of A, B, Mean, Difference, Highest Maximum and Lowest Minimum); Earth Temperature (1 ft., 4 ft.); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather (Precip'n, Snow or Sheet, etc.); and Bright Sunshine (Daily Mean, Percentage of Average).

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY 1961

Table with columns for District, County and Place; Terminal Hours of Observation; Height of Station; Air Temperature in Degrees Celsius (Means of A, B, Mean, Difference); Highest Maximum and Lowest Minimum; Earth Temperature (1 ft, 4 ft); Rainfall (Total Fall, Percentage of Average, Most in a day); Weather (Precip'n, Snow or Sleet, Snow lying at 9h, Hail, Ice or snow pellets, Thunder heard, Fog at 9h, Air Frost, Grass min. O.C., Gale); Bright Sunshine (Daily Mean, Percentage of Average).

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sheet	Snow lying at 9h.	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O.C.	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum	Date					Amount	Date	0.1 in. (0.2mm) or more	0.01 in. (0.1mm) or more													
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr.	%			
8b ENGLAND, S.W.																															
Somerset	Hawkridge (Liscombe)	99	1030	5.6	0.8	3.2	-	9.4	27,29	-5.0	26	-	-	9.00	-	1.41	28	24	22	4	3	4	0	3	3	13	14	0	-	-	
	Cannington	99	95	7.4	1.8	4.6	-	12.2	29	-2.2	12	5.1	-	4.17	144	.61	1	18	17	0	0	3	0	0	2	11	20	2	1.32	-	
	Weston-s.-Mare	99	28	7.6	2.5	5.1	-	11.1	13,29	-1.7	12	-	-	3.75	124	.56	29	17	16	0	0	0	3	2	0	7	21	3	1.35	80	
	Long Ashton	99	162	7.5	1.9	4.7	0.0	11.7	28,29	-1.1	7,12,27	4.6	-	4.24	123	.64	1	19	14	1	0	1	1	2	0	10	21	0	1.18	76	
	Bath (City)																														
	Boys' School	99	388	6.8	1.3	4.1	-	11.1	29	-2.2	7,26,27	-	-	3.96	-	.64	28	20	13	0	0	1	0	1	0	13	-	0	-	-	
	Bath	99	67	7.4	1.2	4.3	-0.5	11.7	29	-3.3	12	4.1	6.7	3.85	129	.56	28	19	14	1	0	1	0	1	0	11	25	2	1.20	76S	
Dorset	Portland Bill	21-9	35	8.1	5.2	6.7	0.1	11.0	5	-3.0	26	-	-	4.54	157	1.45	29	18	14	0	0	1	2	3	0	-	6	-	-	-	
	Weymouth	99	16	8.6	3.3	5.9	0.0	11.1	28,29	-2.2	12	-	-	5.06	159	1.00	29	18	15	0	0	-	0	0	0	6	-	-	-	-	
	Shaftesbury	99	680	6.7	0.7	3.7	-0.1	9.4	29	-2.8	25,26,27	-	-	5.11	148	.95	29	20	18	0	0	-	-	-	11	17	-	-	-	-	
	Swanage	99	37	8.1	2.8	5.5	-	10.6	28,29	-2.2	12	-	8.4	5.89	-	1.38	29	18	16	0	0	-	2	0	0	2	10	0	1.57	-	
	Poole	99	18	7.9	1.4	4.7	-	11.1	28,29	-3.9	12	-	-	5.31	-	1.30	29	17	16	1	0	0	2	2	0	10	0	1.56	-		
Devon	Hartland Pt.	21-9	298	7.7	4.6	6.1	-	11.2	27	-1.1	26	-	-	5.50	-	.82	29	22	18	1	1	6	0	2	0	2	5	5	1.18	-	
	Plymouth (Mt. Batten)	21-9	87	8.5	4.1	6.3	-0.3	11.0	29	-1.7	12	-	-	6.70	155	1.11	24	22	19	1	0	4	1	3	1	5	12	4	1.36	74	
	Plymouth (The Hoe)	99	119	8.8	3.3	6.1	-0.3	11.7	27	-1.1	5	5.6	7.8	6.17	144	1.08	24	23	18	0	0	1	0	1	0	4	10	6	1.24	66	
	Tavistock	99	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Chivenor	21-9	20	8.1	3.9	6.0	-	11.4	27	-1.4	11	-	-	4.80	-	.57	28	22	19	2	0	3	3	2	0	4	11	3	1.28	-	
	Ilfracombe	99	25	8.3	4.1	6.3	-0.4	11.7	27	0.0	26,27	5.7	8.2	6.26	152	.77	1	20	18	0	0	1	1	1	0	2	10	1	0.80	53	
	Princetown	99	1359	5.6	0.9	3.3	-	8.9	27,29	-3.9	25,26	-	-	13.60	126	2.24	29	23	21	-	3	-	-	-	9	12	29	-	-	-	
	Totnes	99	120	8.7	1.7	5.2	-	11.7	27	-4.4	12	5.2	7.4	9.17	164	1.77	29	25	21	2	0	0	4	2	1	10	19	2	1.18	-	
	Slapton	99	104	8.7	3.4	6.1	-	11.7	10	-1.1	12	-	-	7.53	-	1.65	29	23	19	0	0	2	2	2	0	5	16	1	-	-	
	Newton Abbot	99	272	8.1	2.3	5.2	-0.1	11.7	29	-2.8	12	-	-	7.43	158	1.06	29	22	19	1	1	0	0	0	2	0	6	23	0	1.26	66
	Paignton	99	8	8.9	2.8	5.9	-	11.7	27,28,29	-2.8	12	-	-	7.00	155	1.21	29	23	18	0	0	0	0	0	0	2	6	19	3	1.35	73
	Torquay	99	26	8.7	3.3	6.0	-0.3	11.7	27,29	-2.2	12	-	6.8	6.40	156	1.10	29	23	18	0	0	1	2	2	2	4	13	4	1.54	79	
	Teignmouth	99	20	8.8	3.8	6.3	-0.2	12.2	27	-1.7	12	-	-	5.18	137	.84	27	22	18	0	0	0	1	2	2	0	11	4	1.49	75	
	Starcross	99	29	8.6	2.3	5.5	-	12.2	29	-2.8	12	4.9	-	5.67	-	.86	29	23	18	1	0	0	0	2	1	8	20	0	1.61	-	
	Exeter (Southam)	99	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Exmouth	99	195	7.9	2.7	5.3	-0.4	11.1	27,29	-2.2	26	-	-	4.75	133	.80	29	20	17	0	0	1	0	2	1	5	-	6	1.59	84	
	Exeter	21-9	106	8.0	2.9	5.5	-	12.2	29	-3.6	12	-	-	4.17	110	.55	27	21	15	3	0	1	2	2	0	6	19	2	1.49	-	
	Sidmouth	99	25	8.3	2.3	5.3	-0.5	11.7	29	-1.7	12,26	-	-	4.53	-	.76	27	18	18	-	0	-	-	-	0	8	14	-	1.64	-	
Cornwall	St. Mary's, Scilly	21-9	158	9.6	6.6	8.1	0.2	11.4	31	3.5	3	-	-	6.33	178	1.70	24	20	1	0	0	3	1	0	0	0	4	1	0.92	100S	
	Penzance	99	62	9.9	4.6	7.3	-0.2	12.2	10	0.0	11,12,26	-	-	7.53	150	1.34	24	26	22	0	0	1	7	0	0	3	12	3	1.86	101	
	Gulval	99	50	9.7	4.8	7.3	0.2	12.8	10	0.0	26	-	-	7.39	-	1.49	24	23	20	0	0	1	0	0	0	1	-	0	1.64	90	
	Culdrose	99	288	8.9	3.8	6.3	-	11.1	17,26,29	-1.1	26	-	-	6.56	-	1.54	24	27	23	0	0	4	0	0	0	3	7	3	2.04	-	
	Camborne (Rosewarne)	99	250	8.8	4.3	6.5	-	11.7	29	0.0	11	6.0	7.4	7.34	-	1.52	24	28	20	1	0	6	0	0	0	1	8	1	1.81	-	
	Lizard	99	240	9.2	5.4	7.3	-	11.0	10	0.6	26	-	-	7.87	199	1.82	11	28	23	0	-	1	0	0	-	0	9	1	1.38	-	
	Falmouth	99	167	9.4	4.4	6.9	0.0	11.7	27	-0.5	26	-	-	8.23	158	1.55	24	27	22	0	0	1	2	0	0	1	12	2	1.32	70	
	Newquay	99	176	8.9	3.9	6.4	-0.2	11.7	26,27	-0.5	11,12	-	-	6.28	165	1.08	24	22	19	2	-	0	1	2	-	0	3	3	1.54	85	
	St. Mawgan	21-9	337	8.4	3.9	6.1	-	11.2	10	-1.1	11	-	-	6.07	-	.87	29	22	21	1	0	6	0	0	0	3	9	3	1.74	-	
	St. Austell	99	310	8.6	3.3	5.9	-	11.1	27,29	-0.5	5	-	-	7.64	136	1.22	24	26	20	2	0	0	3	0	0	3	2	-	-	-	
	Fowey	99	51	9.1	3.8	6.5	-0.3	13.3	27	0.0	5,11,12	-	-	6.33	-	1.02	24	25	19	1	0	0	3	1	0	3	-	-	-	-	
	Bude	99	50	8.8	3.1	5.9	-0.4	12.2	27	-1.7	11,14	-	-	5.65	153	.74	2	22	21	1	2	7	0	2	-	7	-	1	1.25	68	
	Ellbridge	99	190	8.4	2.3	5.3	-	11.7	28,29	-2.8	12	-	-	6.97	-	1.11	29	25	19	1	0	6	0	1	0	8	21	0	1.24	-	
NORTHERN IRELAND																															
Londonderry	Eglinton	99	46	7.2	1.2	4.2	-	12.2	26,27	-2.8	11,16	-	-	3.32	-	.47	28	18	15	0	0	0	0	0	1	10	23	2	-	-	
	Ballykelly	21-9	3	7.0	1.7	4.3	-0.8	12.2	27	-5.0	11	-	-	2.54	74	.41	18	17	14	2	0	6	0	0	0	1	10	20	2	2.04	137
	Garvagh	99	121	6.1	-0.3	2.9	-1.1	11.1	12,27	-6.7	16	3.1	-	3.96	95	.90	26	17	15	10	1	0	2	0	3	16	27	2	-	-	
Antrim	Portrush	99	18	-	-	-	-																								

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

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February 1961 — *Unusually mild*

The month was mainly cyclonic in character although an anti-cyclone centred over or near Germany dominated the weather during the third week.

The month opened mild and generally sunny, but weather soon became changeable and unsettled. There was rain at times in England and Wales on the night of the 1st and on the 2nd, and showers, some of snow, in Scotland. The 3rd and the 4th were mainly fine days although on the night of the 3rd a wide belt of rain, with snow in the north, moved eastward across the whole country. There was widespread rain also on the 5th associated with troughs of a complex depression to the north of Scotland. On the 6th, north-westerly winds reached gale force in many places, and showers became general behind a small depression as it moved eastwards across Scotland to the North Sea; thunderstorms occurred locally. The 7th and 9th were warm, sunny days with afternoon temperatures reaching 12°C—13°C in places, but the 8th was mild and wet as the warm sector of a complex depression near Iceland moved eastward across the whole country.

By the 10th an anticyclone was centred over western Europe and rain over the British Isles tended to become less frequent. Fog formed extensively over south-east England on the calm, clear night of the 13th/14th but cleared quickly the following morning giving place to a sunny end exceptionally warm day for the time of year. Afternoon temperatures exceeded 17°C in many places in east and south-east England and reached 18°C locally in Kent. In marked contrast the following day was dull and misty in southern districts; in the London area afternoon temperatures failed to reach 10°C.

During the next three or four days pressure remained high over western Europe and a moist, southerly airstream covered the British Isles. Mist and fog became widespread, and although there was some improvement inland during the afternoons, extensive banks of sea fog persisted all day on southern and western coasts.

From 18th to 23rd a complex system of depressions near Iceland maintained fresh south to south-west winds over north-western parts of the British Isles and there were good sunny periods. In southern districts, however, winds were light and variable and weather generally dull with a good deal of mist or fog. During the afternoon of the 20th, easterly winds spread over southern England extending to the whole country the next day as the anticyclone over Germany developed northwards and eastwards. Except for the western seaboard, weather continued dry almost everywhere and by the 23rd there had been in the London area 15 days without measurable rain, the longest such dry period since September 1959.

The general character of the weather changed on the 23rd as the first of a series of fronts from the Atlantic brought rain to parts of south-west England. The next day the blocking anticyclone over Europe declined somewhat and moved eastwards, and from then until the end of the month weather over the British Isles was of a generally unsettled and wet westerly type. There was widespread rain and strong winds on the 24th, 25th and 26th as a succession of active troughs, associated with a complex low pressure area near Iceland, moved north-eastwards over the British Isles; gales were unusually severe on the night of the 26th with gusts exceeding 75 kt at a number of places in Scotland and Northern Ireland; at Tiree a gust of 101 kt was recorded. On the 27th there was heavy rain in southern England as a shallow depression moved eastwards along the English Channel, and on the last day of the month a small disturbance gave fairly extensive rain in the Midlands.

Pressure and Wind — Mean pressure was below the average over a large part of Scotland but above the average elsewhere, the deviation from average at 9h ranging from -2.3 mb at Tiree to +3.7 mb at

Plymouth. Winds were generally between west and south-west until the 14th, becoming mainly southerly until the 20th, and between south and south-east until the 23rd, after which south-westerly winds predominated. Gales, severe at times, were frequent during the first and last weeks of the month; they were widespread on the 6th—7th and 26th—27th. Wind reached gale force on 22 days in Scotland and on the 1st—11th, 13th, 14th, 17th, 22nd—24th and 26th—28th (20 days) in England and Wales. On the evening of the 26th a gust of 101 kt was recorded at Tiree, the highest gust ever recorded by a pressure-tube anemograph in the United Kingdom. The same day a gust of 89 kt was recorded at Lossiemouth.

Temperature — The outstanding feature of the month's weather was its mildness. Mean temperatures were considerably above the 1921-50 average almost everywhere, the excess being 2.7°C in England and Wales, where it was the mildest February since at least 1901, 1.8°C in Scotland, where it was the mildest February for 16 years and 2.2°C in Northern Ireland. The greatest excess was in southern England where nights were unusually mild and frosts very infrequent; at Hastings, Worthing and Bath it was the mildest February since 1926 while Hampstead and Kew had their mildest February since their records began in 1910 and 1871 respectively.

Extremes included: (England and Wales) 18.3°C at Bromley on the 14th, -6.1°C at Moor House on the 4th; (Scotland) 15.6°C at Largs on the 16th, -11.1°C at Glenshee Lodge on the 5th; (Northern Ireland) 13.9°C at Tollymore Park on the 17th, -3.6°C at Aldergrove on the 3rd.

Precipitation — The general precipitation expressed as percentage of the 1916-50 average was 105 in England and Wales, where it was the eighth successive month with above average rainfall, 125 in Scotland and 130 in Northern Ireland. Less than half the average was recorded locally on the Norfolk coast, but more than 150 per cent of the average occurred on the Somerset Plain, around the Thames Estuary, in the lower Clyde Valley, over north-western Scotland and in the lower Foyle Valley. The middle of the month was relatively dry and by the 23rd many stations in southern England had had 15 days or more without measurable rain.

Thunder was heard locally in Scotland on the 6th—9th and 27th—28th, and in England and Wales on the 1st, 2nd, 4th, 6th, 11th, 13th and 24th—26th.

Sleet and snow fell widely in Scotland during the first week and snow lay several inches deep in places on the 2nd—5th. In northern England and the Midlands snow was widespread on the 6th and occurred at one place or another on the 1st, 5th, 11th, 24th, 26th—28th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 99 in England and Wales, 104 in Scotland and 103 in Northern Ireland. Most of England and Wales had less than average sunshine the deficit being most pronounced in the south-west. A few days of brilliant sunshine, however, raised the totals for the month above average in south Lancashire, North Wales and in west and north-west Scotland.

Fog — In Scotland fog was fairly widespread on the 22nd—25th and it occurred locally almost daily during the first two weeks. In England and Wales it was widespread on 15th—18th and around the 23rd and occurred at one place or another on the 1st—8th, 12th and 14th—25th.

Miscellaneous Phenomena — The aurora was visible in Scotland on 14 nights. A tornado, accompanied by heavy rain, caused damage to buildings in Buckinghamshire on the 25th.

TABLE I—DISTRICT VALUES— February 1961 (1908, revised 1928, 1941 and 1956)

Table with columns for Districts, Air Temperature (Highest, Lowest, Difference from Average), Earth Temperature (At 1 ft., At 4 ft.), Rainfall (Percentage, No. of Days), and Sunshine (Percentage). Rows include Scotland, N., Eastern, 1 Scotland, E., 2 England, N.E., 3 England, E., 4 Midland Counties, 5 England, S.E., 6 Scotland, W., 7 England, N.W., 8 England, S.W., and Northern Ireland.

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— February 1961 (1914)

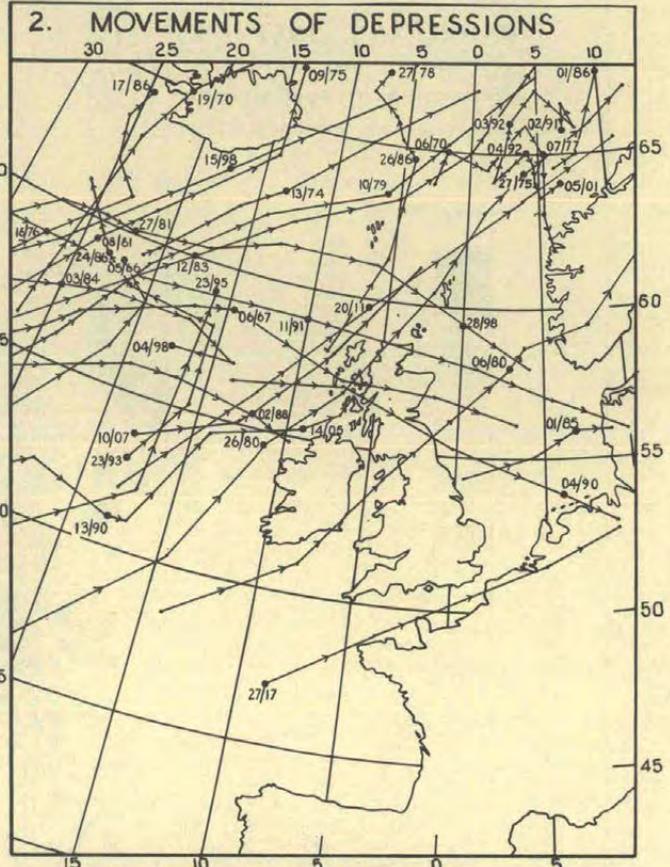
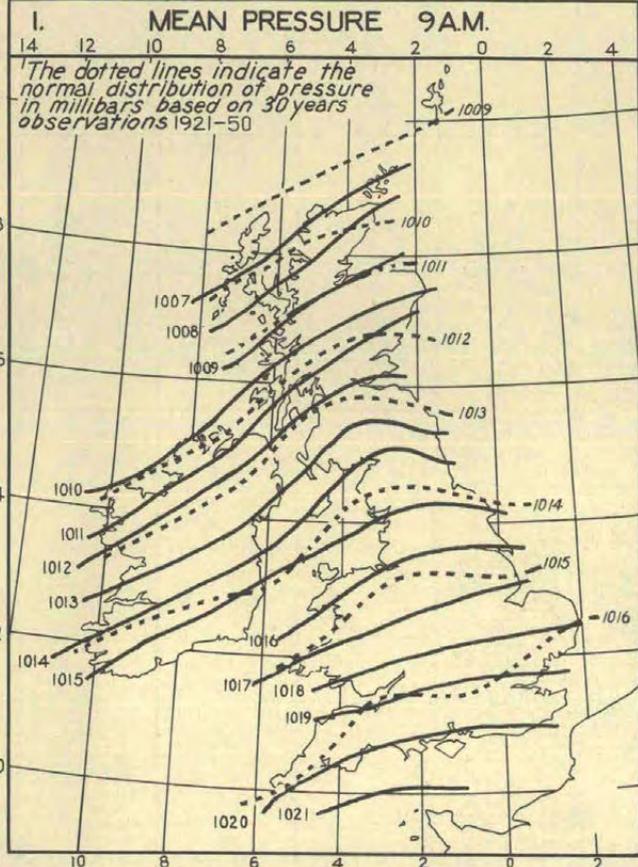
Table with columns for District, County and Place, Height of Vane, Distribution of Mean Hourly Values of Wind Speed (34 knots or more, 22 to 33 knots, 11 to 21 knots, 4 to 10 knots, Less than 4 knots, No Record), Mean Hourly Wind Speed, Highest Hourly Wind (Veer from N, Speed, Hour ended at), and Highest Gust (Speed, Day and Time). Rows list various districts across Scotland, England, and Northern Ireland.

* Anemograph dismantled for re-erection.

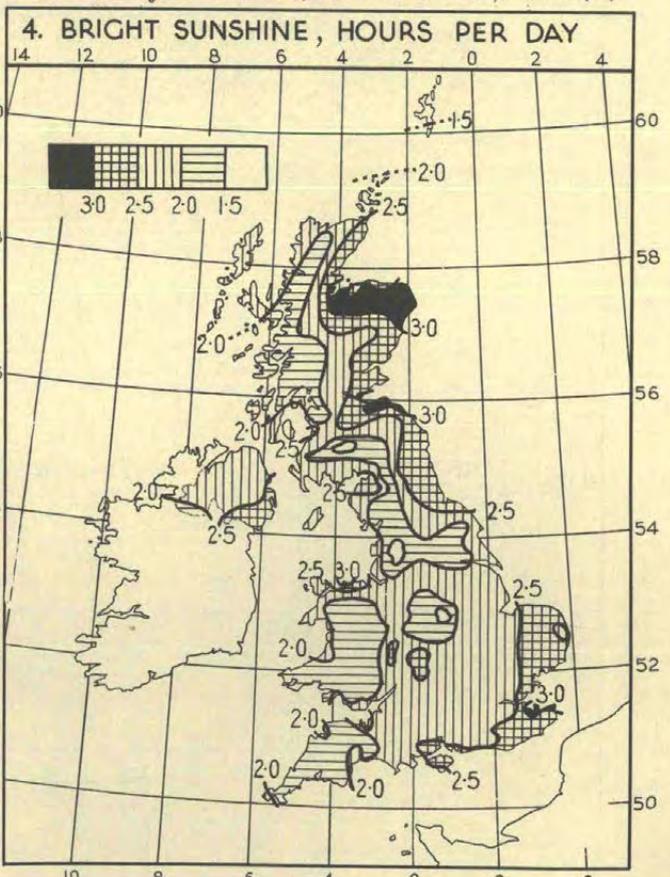
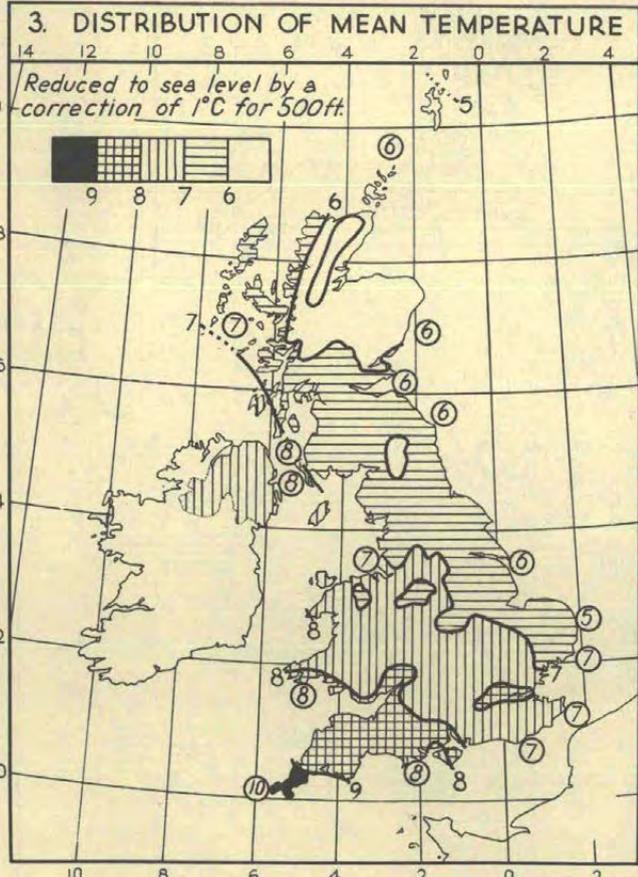
^ Defective record.

‡ Also on 19th, 20th, 22nd, 26th and 28th

MONTHLY WEATHER CHARTS FEBRUARY 1961



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



Sea temperatures are shown by figures in circles, thus: ⑩

RAINFALL

FEBRUARY 1961

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

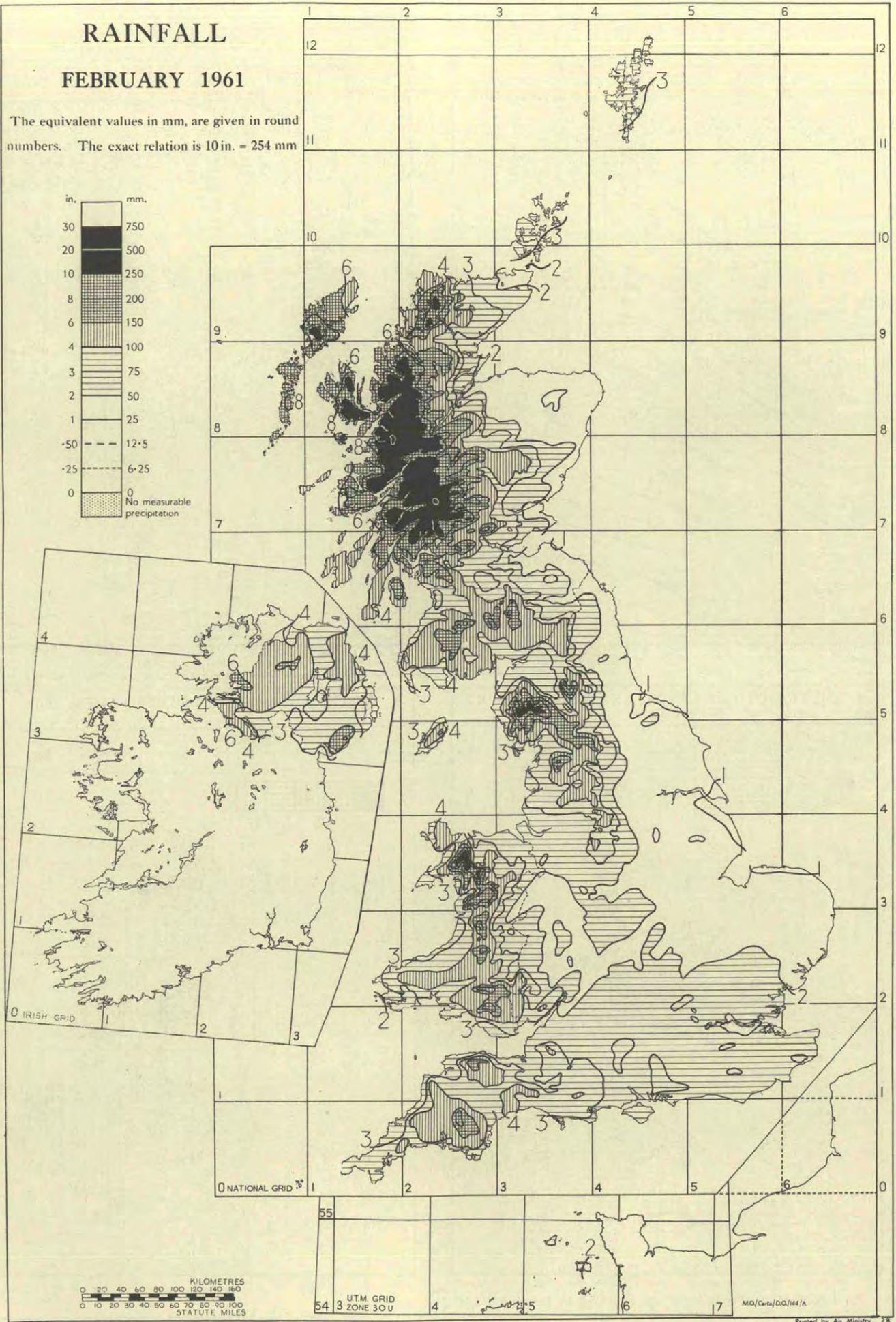
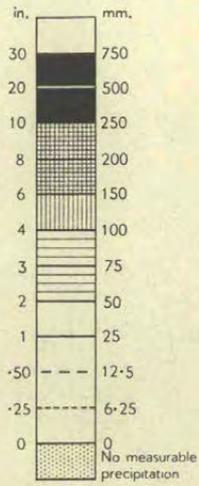


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER February 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. (°C or less)	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum	Date					Amount	Date															
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	0.1in. (0.2mm) or more	0.4in. (10mm) or more										hr	%		
0 SCOTLAND, N.																															
Zetland	Lerwick Obs'y. ¶§	21-9	269	6.5	2.9	4.7	+1.4	10.1	16	-5.6	4	-	-	3.31	100	-.55	8	21	17	6	3	1	5	0	0	5	10	6	1.37	84	
	Baltsound ...	9 9	78	7.1	2.4	4.7	-	11.1	16	-3.3	4	4.7	-	3.57	92	-.62	8	24	15	8	3	5	0	1	0	7	10	6	1.21	-	
Orkney	Sule Skerry ...	9 9	43	7.6	5.3	6.5	-	10.5	16	1.1	3,4	-	-	3.56	-	-.49	8	20	18	1	0	0	0	0	0	0	4	5	5	-	-
	Kirkwall (Grimsetter)	21-9	84	7.3	3.1	5.2	-	11.7	16	-2.2	4,5	-	-	3.00	95	-.56	8	20	14	6	0	0	0	0	0	5	11	3	2.25	-	
Caithness	Dounreay ...	9 9	73	8.6	1.9	5.3	-	12.8	16	19,20	3,9	-	-	2.04	-	-.34	26	17	14	3	1	0	0	0	0	0	6	16	4	-	-
	Halkirk (Olgrinbeg)	9 9	232	7.6	-0.4	3.6	-	12.8	20	-10.6	4	-	-	2.01	-	-.32	5	18	17	4	2	0	0	0	0	13	23	0	-	-	
	Wick ¶§	21-9	119	7.8	2.6	5.2	+1.3	12.1	20	-5.1	5	-	-	8.32	111	-.29	5	19	16	5	1	1	3	0	0	0	8	11	2	2.77	109
Sutherland	Cape Wrath ...	21-9	367	7.4	3.8	5.6	-	12.5	16	0.0	3,4,5	-	-	5.11	156	-.82	19	23	19	5	1	1	3	0	0	0	3	7	6	-	-
	Lairg (Achany) ...	9 9	240	8.6	0.2	4.4	-	15.6	16	-7.8	2	-	-	3.33	-	-.49	5	21	18	6	3	0	0	0	4	10	24	0	-	-	
	Strathay ...	9 9	120	8.4	1.0	4.7	-	12.8	16,19	-6.1	4,5	-	-	2.42	84	-.47	26	20	14	6	2	0	2	0	0	0	0	0	0	2.17	-
Ross & Cromarty	Stornoway ¶§	21-9	11	8.2	4.0	6.1	+1.4	11.0	18	-2.8	3	-	-	5.08	190	-.77	19	22	16	2	0	0	0	0	0	4	6	5	2.31	114	
	Balmacara ...	9 9	2	9.2	4.3	6.7	-	12.2	16,19,28	-2.2	3	-	-	8.32	-	1.05	13	21	20	2	0	0	0	0	0	2	-	-	-	-	-
	Achnashellach ...	9 9	220	9.2	1.8	5.5	+1.9	13.3	16	-3.9	3	-	-	10.35	152	1.17	8	24	21	3	1	2	1	0	0	10	-	-	-	-	-
	Kinlochewe ...	9 9	76	9.3	2.2	5.7	-	13.9	16	-4.4	3	-	-	9.54	-	1.89	8	22	19	4	1	0	0	2	0	8	11	0	1.46	-	
	Garve (Blackbridge)	9 9	690	-	-	-	-	-	-	-	-	-	-	5.99	-	-.92	27	20	20	-	-	-	-	1	-	-	-	-	-	-	-
	Fortrose ¶§	9 9	15	-	-	-	-	-	-	-	-	-	-	2.14	126	-.29	5,26	17	15	1	1	0	0	0	1	-	-	-	3.04	122	
	Tarbatness ...	21-9	60	7.0	3.6	5.3	-	11.0	20	-2.0	2	-	-	1.26	-	-.40	4	14	10	1	0	0	0	0	0	4	-	1	0	-	-
Inverness	Benbecula ...	21-9	19	8.3	4.5	6.4	-	10.3	8	-1.7	3	-	-	6.85	228	1.50	26	21	19	4	1	1	1	1	0	4	5	9	2.51	-	
	Isle of Rhum ...	9 9	15	9.2	4.1	6.7	-	12.2	14,19	-1.1	3	5.2	6.3	12.51	-	1.29	13	22	19	3	1	0	6	0	0	4	9	10	-	-	
	Prabost ...	9 9	220	8.1	3.1	5.6	-	10.6	16	-1.7	5	-	-	8.27	-	-.71	5	22	21	1	2	0	5	0	0	4	14	10	2.25	-	
	Duntulm ...	9 9	294	8.0	3.7	5.9	-	10.0	8,13	-0.5	4	-	-	5.90	150	-.65	12	23	19	2	1	4	0	0	0	2	8	3	2.18	-	
	Onich ¶§	9 9	48	8.4	3.1	5.7	+1.2	12.2	26	-2.8	4,5	-	-	11.34	164	1.60	12	21	19	2	1	2	0	0	0	2	11	-	1.90	101S	
	Fort William (Camaghael)	9 9	27	8.9	2.4	5.7	-	12.2	26	-5.0	5	4.6	4.7	9.27	-	1.21	5	20	18	2	2	0	2	1	0	7	12	1	1.75	-	
	Fort Augustus ...	9 9	70	8.7	2.7	5.7	+2.0	11.7	19,21	-2.8	2	-	-	5.07	-	-.67	8	21	17	2	2	0	0	0	0	7	-	5	2.19	-	
	Cannich ...	9 9	350	7.8	0.2	4.0	-	11.7	19	-6.1	5	-	-	6.26	167	-.80	8	19	18	2	3	0	0	0	0	15	23	1	-	-	
	Dalwhinnie ...	18-9	1176	5.6	0.6	3.1	-	10.0	16	-10.0	2,5	-	-	5.26	126	-.77	26	18	16	6	6	0	0	0	0	0	7	17	0	1.60	-
	Inverness ...	9 9	13	8.9	2.7	5.8	-	13.3	19	-2.8	2	-	-	1.93	-	-.28	8	14	11	1	2	0	0	0	0	5	13	1	2.92	-	
	Achnagoichan ...	9 9	1000	7.5	0.8	4.1	-	12.2	16	-8.9	2	-	-	2.51	-	-.44	26	17	14	-	-	-	-	-	-	11	18	-	-	-	
	Glenmore Lodge	9 9	1120	7.9	-3.0	2.5	-	13.7	16	-8.9	2	-	-	2.30	-	-.59	26	18	12	7	4	0	0	0	1	15	21	2	3.40	-	
1 SCOTLAND, E.																															
Nairn	Nairn ¶§	9 9	20	8.9	1.5	5.2	+1.2	12.8	14,16,19	-3.3	2,5	-	-	1.71	114	-.29	5	19	11	2	1	0	0	0	1	11	21	2	3.35	132	
	Grantown-on-Spey	9 9	720	8.0	-0.2	3.9	-	13.3	14	-6.7	4	-	-	1.30	-	-.35	12	15	9	-	3	-	-	-	1	15	23	-	-	-	
	Forres ...	9 9	155	8.9	1.9	5.4	-	13.3	19	-5.0	2	3.5	4.0	1.27	89	-.24	14	15	11	3	3	0	0	0	0	8	18	2	2.94	-	
	Kinloss ...	21-9	15	9.2	2.3	5.7	-	13.1	14	-5.3	2	-	-	1.40	-	-.22	14	18	12	6	2	0	2	0	1	9	13	2	2.97	-	
	Elgin ...	9 9	92	9.3	2.7	6.0	-	13.9	14	-3.9	5	-	-	1.38	-	-.30	2	14	11	2	3	0	0	0	0	6	12	1	3.28	-	
	Lossiemouth ...	9 9	21	8.9	1.0	4.9	-	12.8	14,19	-6.1	2	-	-	1.44	-	-.32	5	16	11	3	3	2	0	0	1	12	16	4	-	-	
Banff	Gordon Castle ...	9 9	104	9.6	1.7	5.7	+1.8	15.0	16,17	-4.4	2	-	-	1.17	64	-.32	4	12	10	-	-	-	-	-	-	8	-	2.98	119		
Aberdeen	Glenlivet ...	9 9	1085	7.0	-	-	-	12.0	16,18,19	-	-	2.1	-	1.03	40	-.15	26	18	11	8	3	0	0	0	0	-	17	3	3.08	-	
	Braemar ...	9 9	1113	6.6	0.4	3.5	+2.1	10.6	19	-8.3	2	-	-	2.06	77	-.28	27	19	13	-	2	-	-	-	14	20	2	-	-		
	Balmoral ...	9 9	927	7.4	-0.2	3.6	+2.0	11.7	19	-7.8	2	-	-	1.50	68	-.25	27	17	11	5	3	0	0	0	0	-	14	21	2	-	-
	Logie Coldstone ...	9 9	608	8.7	1.2	4.9	+2.5	13.9	19	-6.7	2,3	-	-	1.23	-	-.38	12	17	8	-	2	-	-	-	11	-	-	-	-		
	Huntly ...	9 9	408	8.4	1.9	5.1	-	13.0	19	-4.8	27	-	-	.94	-	-.18	12	15	9	4	3	0	0	0	0	8	15	2	-	-	
	Fyvie Castle ...	9 9	218	8.6	1.2	4.9	-	12.8	15,20	-6.7	5	-	-	1.22	-	-.26	5	14	12	-	0	-	-	-	11	23	-	2.88	-		
	Craibstone ¶§	9 9	300	8.2	2.2	5.2	+2.0	13.3	15	-3.9	5	3.2	3.7	1.82	81	-.38	5,25	13	9	3	2	0	1	0	0	6	13	3	3.19	117	
	Dyce ...	21-9	190	8.4	1.8	5.1	-	13.9	15	-6.1	5	-	-	1.80	76	-.45	5	12	8	3	2	0	0	0	1	9	16	1	3.12	-	
	Aberdeen ...	9 9	170	8.5	2.4	5.5	-	12.8	15,18	-4.4	2	-	-	1.72	82	-.39	25	11	8	2	1	0	1	0	1	6	15	3	2.93	-	
	Udny ...	9 9	363	8.0	2.0	5.0	-	13.3	15	-5.0	5	-	-	1.83	-	-.40	5	13	9	3	3	0	0	0	2	6	20	0	3.07	-	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER February 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n			Thunder heard	Fog at 9h.	Air Frost	Grass min. O.C. or less	Gale	Daily Mean	Percentage of Average						
			A	B		Maximum	Date	Minimum	Date					Amount	Date	-0.1in. (0.2mm.) or more	-0.04in. (1.0mm.) or more	Snow or Sleet													
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr	%					
1 SCOTLAND, E.—cont.																															
Midlothian cont.	Penicuik ...	9 9	620	8.1	2.2	5.1	-	12.8	19	-2.2	5	3.7	-	2.41	-	.42	8	16	11	2	2	1	0	1	1	7	20	1	2.71	-	8
	Bush House ...	9 9	605	8.1	2.1	5.1	-	12.8	19	-3.3	5	3.6	3.7	2.40	-	.43	5	17	13	3	2	0	0	0	1	7	19	0	-	-	-
E. Lothian	Edinburgh—																														
	Blackford Hill §§	9 9	441	8.8	3.3	6.1	+2.3	14.4	19	-1.1	4	-	-	1.77	105	.31	5	15	13	2	1	0	0	0	0	3	11	0	2.97	111	-
	Liberton ...	9 9	200	9.3	3.2	6.3	-	13.9	20	-2.8	5	-	-	1.77	-	.29	4	17	12	1	2	0	0	0	0	3	11	0	3.39	-	-
	Botanic Garden ...	9 9	74	9.4	2.7	6.1	-	14.4	19	-3.3	5	4.3	-	1.96	-	.34	5	15	13	2	2	0	0	0	1	11	0	2.82	-	-	
	Haddington ...	9 9	162	9.3	2.6	5.9	-	15.0	19	-1.1	3,4,5	-	-	1.13	-	.22	5	14	9	2	1	0	0	0	15	2	3.10	-	-		
Berwick	North Berwick ...	9 9	51	9.9	3.3	6.6	+2.7	14.4	19	-0.5	4,5	-	-	1.51	102	.26	4	15	10	1	1	1	0	0	0	0	0	3.32	137	-	
	Dunbar ...	9 9	75	9.4	3.3	6.3	-	15.0	19	-0.5	4	-	-	1.05	-	.19	5,8	12	9	1	0	3	0	0	10	0	3.93	-	-		
	Marchmont §§	9 9	498	7.9	2.2	5.1	+2.1	11.1	10,18,19	-2.2	5	-	-	2.02	93	.42	5	14	13	2	1	0	0	0	0	0	0	3	2.26	1108	-
Peebles	St. Abb's Head ...	9 9	245	8.0	4.5	6.3	-	12.2	19	0.0	4	-	-	1.17	-	.26	5	10	8	1	1	0	0	0	0	0	2	3	-	-	
	Broughton ...	9 9	741	7.7	2.2	4.9	-	10.6	8,19	-5.0	3	-	-	4.45	-	.57	25	19	16	2	2	1	0	0	0	14	1	-	-	-	
	Blyth Bridge ...	9 9	830	7.4	2.0	4.7	-	12.2	19	-3.3	3	-	-	3.06	-	.52	5	19	12	4	3	0	2	1	1	1	1	1	2.72	-	-
	West Linton ...	9 9	800	7.8	1.7	4.7	-	12.2	19	-2.8	3,5,22	3.2	3.6	2.69	-	.51	5	18	15	3	1	2	0	1	0	14	0	-	-	-	
Selkirk	Peebles ...	9 9	645	8.4	-	-	-	12.8	19	-	-	-	-	3.11	-	.52	26	16	13	4	3	1	0	1	0	18	4	2.49	-	-	
	Peebles (Glenress) ...	9 9	580	8.7	2.3	5.5	-	15.0	19	-3.9	3	-	-	2.85	-	.37	5	13	12	4	3	0	0	1	0	0	-	-	-	-	
	Selkirk (Bowhill) ...	9 9	600	7.9	2.2	5.1	-	11.7	10	-3.3	5	-	-	2.89	-	.38	25	18	15	5	4	0	0	0	5	0	1	-	-	-	
Roxburgh	Hawick (Wauchope) ...	9 9	580	8.2	1.2	4.7	-	11.7	19	-3.3	27	-	-	2.44	-	.38	5	18	12	-	3	-	-	-	0	0	0	-	-	-	
	Sourhope ...	9 9	900	7.4	2.2	4.8	-	11.1	19	-2.8	4	-	-	2.20	-	.32	6	20	13	4	5	0	1	0	0	7	15	0	2.43	-	-
6a SCOTLAND, W.																															
Argyll	Tiree ... §§	21-9	29	8.7	5.1	6.9	+1.6	10.9	8,20	-0.6	4	-	-	5.47	175	.56	3	18	17	3	0	1	6	1	0	0	6	3	1.77	76	-
	Rhuvaal ...	21-9	65	9.0	5.1	7.1	-	11.5	8	1.0	4,5	-	-	5.87	-	.81	5	17	17	0	0	2	0	0	0	0	2	4	-	-	
Bute	Colonsay ...	9 9	87	8.7	4.2	6.5	-	11.1	13,20,26	0.6	2	-	-	5.36	135	.75	3	19	18	0	-	1	0	0	0	0	0	6	-	-	
	Campbeltown ...	9 9	10	9.4	4.6	7.0	-	12.8	8	-2.2	3	-	-	2.99	-	.74	26	18	12	-	-	-	-	-	-	-	-	2.14	-	-	
	Tarbert (Achaglachgach) ...	9 9	40	-	3.8	-	-	-	-	-3.9	3	-	-	6.31	-	1.00	4	21	19	2	0	4	0	2	0	0	4	13	0	-	-
	Oban ...	9 9	229	8.7	4.1	6.4	-	11.1	13,14	0.0	3,4,5	-	-	8.07	188	1.28	5	21	20	5	0	3	0	2	0	0	6	1	1.42	71	-
	Lephinmore ...	9 9	30	8.9	4.2	6.5	-	12.2	19	-1.1	3	-	-	6.90	-	.83	5	19	18	0	0	0	1	0	1	0	9	0	1.72	-	-
	Glenbranter ...	9 9	120	8.2	2.8	5.5	+1.8	11.7	19	-3.9	3	-	-	10.41	133	1.29	5	23	20	-	-	-	-	-	-	0	15	-	-	-	
	Benmore (Forestry Sch.) ...	9 9	46	8.7	2.3	5.5	-	12.2	19	-4.4	3,4,5	4.7	-	9.60	129	1.55	5	21	21	2	1	0	0	0	7	0	0	-	-	-	
	Benmore (Younger Bot. Gdn.) ...	9 9	40	8.6	3.3	5.9	-	12.2	19	-2.2	3	-	-	10.12	-	1.51	5	21	21	2	2	0	2	0	0	3	12	0	-	-	-
	Lochranna ...	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rothesay §§	9 9	150	8.7	4.4	6.5	+2.1	12.2	19	-0.5	3	5.4	5.3	6.08	149	.91	5	20	17	1	0	1	0	0	1	0	5	2	2.09	103	-
Dunbarton	Millport ...	9 9	16	8.7	4.8	6.7	-	10.6	8,18,26	0.0	3	-	-	4.90	151	.77	5	18	14	1	0	1	0	0	0	0	7	-	-	-	
	Helensburgh ...	9 9	293	8.1	3.4	5.7	+2.0	11.7	19	-2.8	3	-	-	6.18	135	.83	12	21	20	3	2	1	0	0	0	0	1	-	-	-	
Stirling	Stirling ...	9 9	151	8.9	4.0	6.5	+2.4	12.8	14,19	-1.7	5	5.2	4.16	145	.67	5	18	16	2	2	0	0	0	0	0	3	6	1	-	-	
	Falkirk ...	9 9	100	9.1	3.3	6.2	-	13.3	19	-3.3	5	-	-	3.67	-	.42	8	18	16	6	2	-	-	-	17	-	-	-	-		
Renfrew	Greenock ...	9 9	200	8.6	4.2	6.4	+2.1	11.7	19	0.0	3	-	-	7.06	139	1.08	5	21	18	3	2	2	0	0	0	2	1	1	1.64	-	-
	Paisley ...	9 9	106	8.9	4.4	6.7	+2.3	12.2	13,19	-0.5	3	5.4	6.4	5.03	145	.71	5	20	18	2	2	0	0	0	0	6	0	1.88	102	-	
	Barrhead ...	9 9	97	8.9	3.6	6.3	-	12.2	19	-2.8	3	-	-	5.23	-	.71	8	20	19	2	0	0	0	0	1	4	7	1	2.01	106	-
Lanark	Renfrew ... §§	21-9	26	9.1	4.5	6.8	+2.7	12.2	13,19	-2.8	3	-	-	3.71	116	.58	5	20	17	3	0	1	0	1	1	4	7	1	2.01	106	-
	Thorntonhall ...	9 9	453	8.2	2.8	5.5	-	11.7	19	-2.8	3	-	-	4.53	-	.76	5	20	18	3	2	0	0	0	0	16	0	-	-	-	
	Glasgow, Spr. Pk. ...	9 9	351	8.4	3.4	5.9	-	12.2	19	-1.7	3,5	-	-	4.46	155	.63	12	20	17	3	2	2	0	0	0	0	10	1	1.78	-	-
	Coatbridge ...	9 9	256	8.9	3.6	6.3	-	12.2	13	-2.2	3,4	-	-	3.01	-	.43	5	17	16	0	0	0	0	0	0	0	0	-	-	-	
	Coalburn (Midtown) ...	9 9	707	7.5	1.9	4.7	-	10.6	8,19	-5.0	3	4.2	-	3.79	-	.50	5	19	16	3	3	1	1	0	3	16	4	2.56	-	-	
	Lowther Hill ...	-	2377	3.6	-1.0	1.3	-	6.5	8	-5.5	3,4	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	10	0.75	-	-	
Ayr	Leadhills ...	9 9	1270	5.9	2.1	4.0	-	8.9	8	-5.0	3	-	-	4.94	-	.70	25	21	17	5	4	0	3	0	3	17	1	-	-	-	
	Carnwath ...	9 9	706	7.7	2.1	4.9	-	12.2	19	-3.9	3	-	-	2.32	-	.30	6	19	14	4	3	0	1	1	1	1	22	1	-	-	
	Colmonell ...	9 9	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dumfries	Tumberry ...	9 9	25	9.2	5.1	7.1	+2.4	12.8	18,19	1.1																					

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1961

Table with columns: DISTRICT, COUNTY AND PLACE; Hour of Observation; Height of Barometer above Mean Sea Level; MEAN PRESSURE; MEAN TEMPERATURE AND HUMIDITY; CLOUD AMOUNT (OKTAS); VISIBILITY; WIND, NUMBER OF OBSERVATIONS. The table is organized into sections for ENGLAND, N.E., ENGLAND, E., and MIDLAND COUNTIES, listing various locations like Northumberland, Durham, Yorks., Lincoln, Norfolk, Suffolk, Huntingdon, Bedford, Hertford, Essex, and Nottingham.

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Monthly Weather Report
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M.O. 701

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

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March 1961 — *Mild and unusually dry*

Weather during the month was generally anticyclonic. Pressure was highest over western Europe and southern England during the first two weeks, to the west of Ireland from the 17th to the 22nd and to the south-west of the British Isles during most of the rest of the month.

The weather pattern over the country was remarkably constant during the first half of the month, an anticyclone being situated to the south of the British Isles during the whole of that time with disturbances from the Atlantic moving round its northern flank. It was sunny and dry over the greater part of Britain, although Northern Ireland and northern Scotland were generally cloudy with occasional rain. Day temperatures were well above the average, but there was frost and fog at night. A moist southerly airstream became established on the 3rd as the centre of the anticyclone moved eastward across northern France. It lasted about a week and brought sea fog and low cloud to many southern and western coastal districts. In Cornwall, sky was obscured by fog on the 8th and 9th, although most of the county had had 8—10 hours sunshine daily during the first six days of the month. Afternoon temperature at Aberdeen on the 8th reached 18°C, whereas in parts of Devon, Cornwall and South-Wales the corresponding temperatures in sea fog were about 10°C lower. Fog was fairly widespread on the 9th and tended to persist throughout the day inland as well as on the coast.

Somewhat cooler air from the Atlantic spread eastwards across the country on the 10th, but the change was short-lived as on the following day a mild airstream from the south-west brought slight rain or drizzle to many districts. The anticyclone, which was over the Bay of Biscay on the 13th, moved eastward, becoming centred over northern France on the 15th, and over the Low Countries on the following day. Winds over southern England progressively backed first to the south, and then to the south-east, and weather became steadily warmer. The 16th was the warmest day of an unusually warm week for March with afternoon temperatures at many places exceeding 20°C.

There was a marked change in the general weather pattern on the 17th as the anticyclone over Europe declined and another formed in mid-Atlantic. This latter system moved slowly eastward and a cold northerly airstream spread over the British Isles bringing showers to most districts with sleet or snow at times even in southern England. Day temperatures on the 18th were generally about 10°C lower than two days previously, but still about normal for March. A deepening depression moving south-east from Iceland towards Denmark gave north-westerly gales along the east coast on the 20th with occasional wintry showers in Scotland and northern England; a gust of 70 kt was recorded at Lerwick. North-westerly winds with bright periods and occasional showers persisted over most of the country for two more days as the anticyclone to the west of Ireland drifted south-east towards Cornwall. By the 23rd, winds had backed to west fairly generally and temperatures were again above the average; in parts of eastern England 16°C was exceeded and there was more than 11 hours of sunshine.

Day temperatures remained above average on the 24th and 25th though there was frost at night. Cold northerly winds, however, again spread across the whole country on the 26th and reached gale force over a wide area with severe gales in Scotland. Wind speed in gusts exceeded 60 kt at many places and reached 74 kt at Lerwick. Showers of sleet and snow occurred locally. Milder weather with westerly winds returned to most places on the 28th, but cold northerly winds were resumed in Scotland during the last two days of the month with periods of moderate snow in places.

Pressure and Wind — Mean pressure was above the average everywhere except in the extreme north of Scotland, the deviation at 9h ranging from -0.4 mb at Lerwick to +13.0 mb at Scilly. Surface winds were generally between south and south-west until the 6th, becoming mainly southerly until the 9th, and generally south-westerly again until the 15th, backing to between south and south-east the next day. Three days of westerly winds on 23rd—25th interrupted a spell of north-westerlies which lasted from 17th to 27th, after which winds were westerly until the end of the month. Wind reached gale force on 20 days in Scotland and on the 1st—3rd, 5th, 6th, 8th, 9th, 12th, 15th, 16th, 20th, 24th—26th and 29th (15 days) in England and Wales. Gales were widespread, and severe in Scotland, on the 26th.

Temperature — Mean temperatures exceeded the 1921-50 average by 2.3°C in England and Wales; 2.5°C in Scotland, where for the main centres of population it was the warmest March, with the exception of 1938, for about 100 years; and 2.7°C in Northern Ireland. The mildest days occurred around the 9th in northern Scotland, where afternoon temperatures exceeded 19.5°C at a number of places, but around the 16th elsewhere. The coldest period was around the 27th and 31st in northern and eastern Scotland but around the 20th elsewhere in the British Isles.

Extremes included: (England and Wales) 22.8°C at Goldington on the 16th, -6.1°C at West Raynham on the 1st; (Scotland) 20.0°C at Halkirk on the 9th, -6.7°C at Halkirk on the 31st; (Northern Ireland) 17.8°C at Tollymore Park on the 17th, -1.7°C at Loughall on the 28th.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 25 in England and Wales, where it was the driest March since 1944; 95 in Scotland; 59 in Northern Ireland. Less than 5 per cent of the average rainfall occurred in south Devon, Dorset, the Vale of Taunton, the London Area, Kent and in the lower Severn, Wye and Usk valleys, while rainfall was less than 25 per cent of the average over the greater part of southern and central England, South Wales, the Vale of York, the Angus coast and eastern Down. The average was exceeded in north-west Scotland generally while in western Inverness-shire and Ross more than 150 per cent of the average was recorded. Periods of 15 or more consecutive days without measurable rain occurred in very many places, and in some parts of southern England as many as 30 days — from late February to late March — were rainless.

Snow or sleet occurred locally in Scotland on 14 days; it was reported from many places around the 16th-20th and during the last few days of the month. In England and Wales snow and sleet showers were widespread on the 19th and 20th and also occurred locally on the 18th, 21st and 30th. Thunder was reported from one place or another in Scotland on 9 days and in England and Wales on the 18th and 21st.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 128 in England and Wales, 88 in Scotland and 85 in Northern Ireland. Sunshine was above 150 per cent of the average over most of the London area, being 169 per cent of the average locally in Central London where it was the sunniest March since at least 1928.

Fog — In England and Wales, early morning fog occurred at one place or another on the 1st, 3rd—17th, 25th and 29th—31st (20 days); it was widespread on the 8th—10th. In Scotland, morning fog was reported on 14 days.

Miscellaneous Phenomena — The aurora was visible in Scotland on 8 nights; it was seen as far south as Ronaldsway on the night of the 5th/6th.

MWR dup

TABLE I—DISTRICT VALUES— MARCH 1961 (1908, revised 1928, 1941 and 1956)

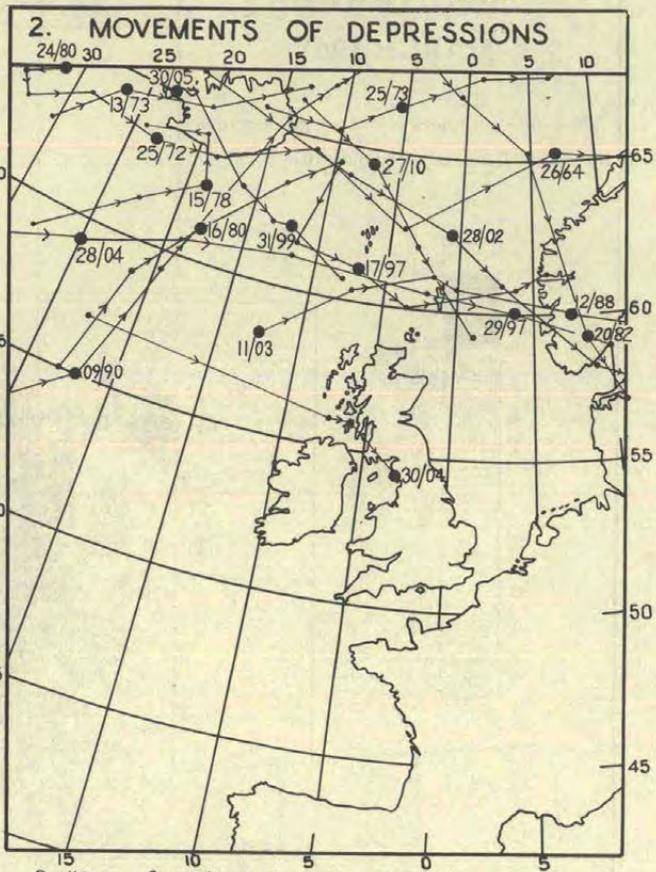
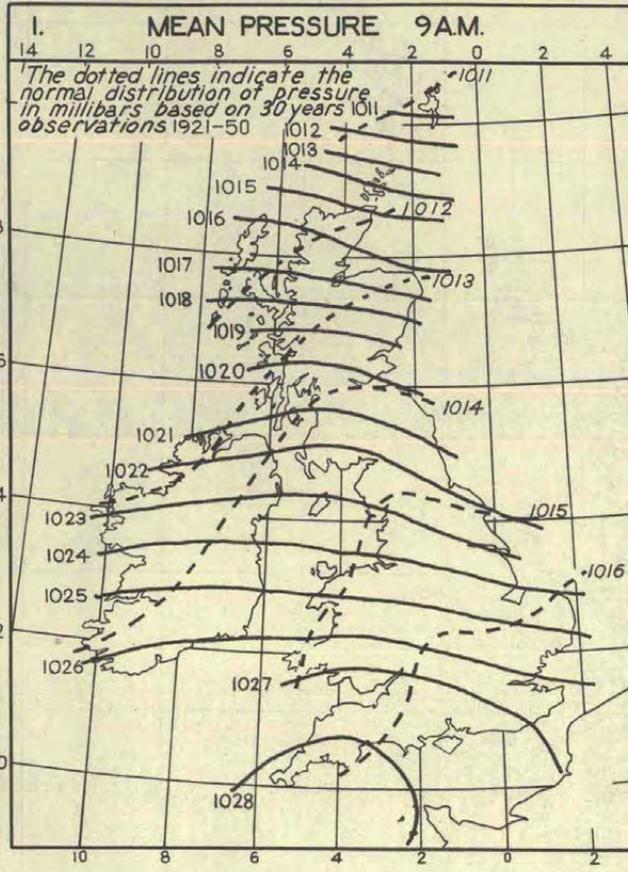
DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Per-centage of Average	No. of Days Difference from Average	Per-centage of Average
			Max.	Min.	Mean					
0 SCOTLAND, N.	°C. 20.0	°C. -6.7	°C. +1.9	°C. +2.3	°C. +2.1	°C. —	°C. —	% 126	+2	82
Eastern										
1 SCOTLAND, E.	19.5	-6.1	+3.4	+2.8	+3.1	—	—	52	-4	104
2 ENGLAND, N.E.	22.2	-5.0	+3.2	+2.2	+2.7	+1.9	+1.2	36	-9	131
3 ENGLAND, E.	22.8	-6.1	+3.2	+1.2	+2.2	+1.6	+1.0	20	-7	131
4 MIDLAND COUNTIES	21.1	-4.4	+3.3	+1.8	+2.6	+1.9	+1.5	16	-8	146
5 ENGLAND, S.E.	22.2	-5.6	+3.0	+0.9	+2.0	+1.8	+1.7	5	-9	135
Western										
6 SCOTLAND, W.	16.7	-6.0	+1.7	+3.0	+2.3	+2.3	+1.3	81	0	77
7 ENGLAND, N.W. (and N. Wales)	20.6	-5.6	+2.3	+2.7	+2.5	+1.9	+1.4	54	-4	117
8 ENGLAND, S.W. (and S. Wales)	20.6	-5.0	+2.6	+0.7	+1.5	+1.9	+1.3	9	-8	110
NORTHERN IRELAND	17.8	-1.7	+2.4	+3.1	+2.7	-	-	57	-3	85

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— MARCH 1961 (1914)

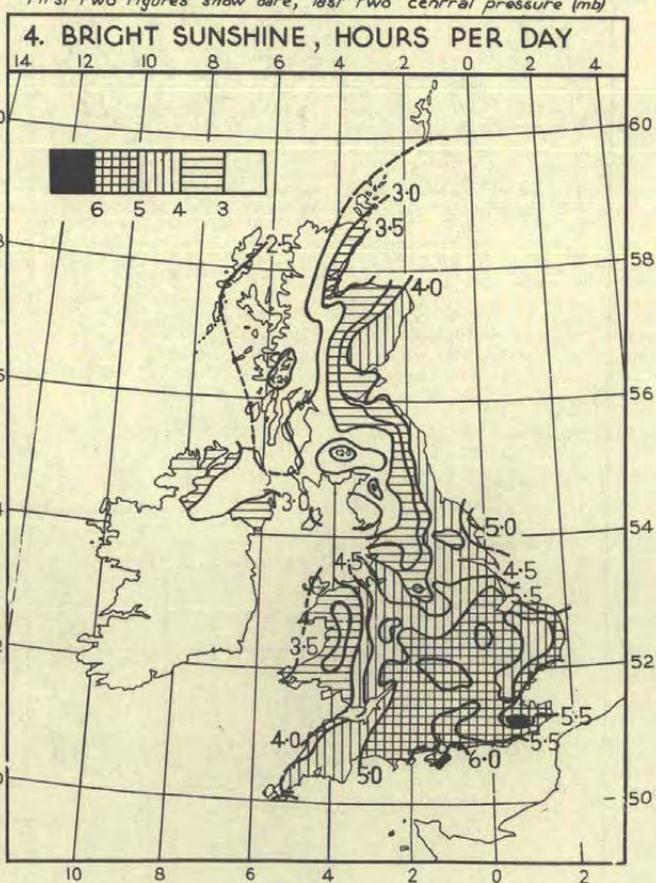
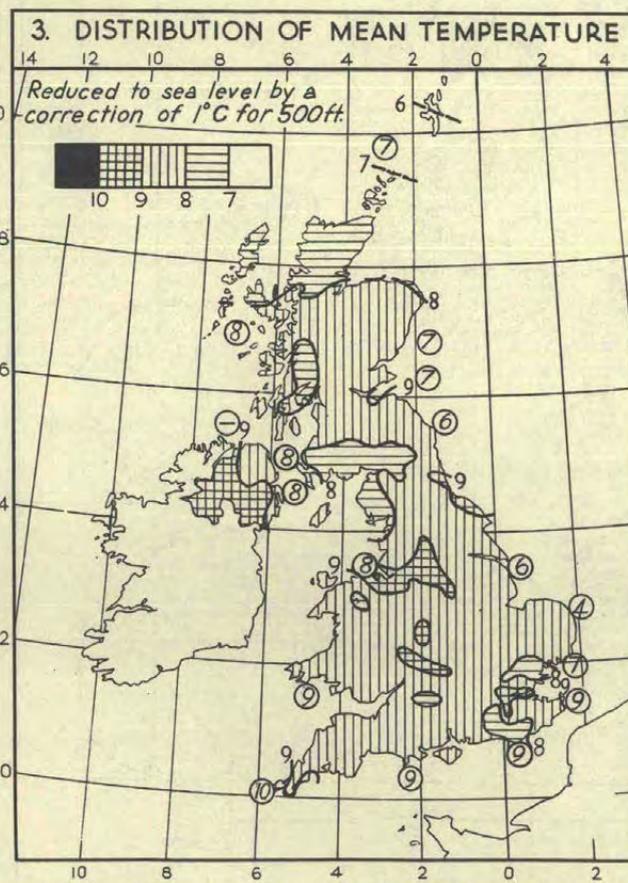
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed										Mean Hourly Wind Speed	Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots		4 to 10 knots		Less than 4 knots			No Record	Highest Hourly Wind		Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N.	Speed			Hour ended at	Speed	Day and Time		
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	knots		day hr.	knots	day	h.m.		
SCOTLAND																				
0 Zetland	Lerwick	310	53	37	3, 12, 15, 16, 20,	54	27	318	293	72	7	0	21.6	320	44	20	11	74	26	1340
Orkney	Kirkwall (Grimsetter)	135	51	33	12, 15, 20, 25, 26	29	24	243	367	89	16	0	18.9	280	42	26	10	67	26	0540
Calthness	Downreay	110	39	30	26	3	17	140	431	167	2	1	15.8	310	36	26	11	59	26	0715
	Halkirk (Olgrinbeg)	272	40	40	-	0	16	102	417	187	32	6	14.0	280	31	26	11	51	26	1125
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	1-3, 5, 6, 8, 9 *	61	28	287	323	66	7	0	21.2	300	48	26	11	64	26	1015
Inverness	Duirinish	125	65	55	26	1	25	167	397	159	17	3	16.2	270	35	26	10	60	26	1125
	Benbecula	69	51	35	3, 26	13	25	245	429	50	7	0	19.5	270	40	26	08	62	26	0930
1 Moray	Lossiemouth	79	59	45	25, 26	8	21	168	356	144	62	6	15.4	290	39	26	13	63	26	1125
Aberdeen	Dyce	225	40	40	20	3	6	27	302	245	167	0	9.7	340	36	20	13	52	26	1130
Angus	Bell Rock Lighthouse	128	131	124	12, 13, 20, 25, 26	21	23	244	380	81	18	0	18.5	270	41	12	02	54	26	1050
Perth	Rannoch	1006	56	57	-	0	13	54	381	190	53	66	12.6	-	31	26	11	52	26	0815
Fife	Leuchars	78	40	40	-	0	13	77	386	256	25	0	13.2	250	32	12	09	50	26	1145
Midlothian	Edinburgh	485	39	23	-	0	7	35	417	220	72	0	12.2	240	30	26	04	52	26	1015
6a Argyll	Tiree	89	60	47	26	8	26	278	391	53	14	0	19.6	290	35	26	10	57	26	1220
Bute	Millport	50	34	34	-	0	9	34	355	272	83	0	11.5	260	33	12	08	49	12	0800
Renfrew	Paisley	188	81	31	-	0	2	3	209	377	155	0	7.7	260	23	14	11	55	26	1305
	Renfrew	71	41	39	-	0	6	30	348	268	98	0	10.6	260	29	14	12	55	26	1230
Ayr	Prestwick Airport	35	33	33	-	0	6	12	397	279	56	0	11.0	290	25	26	14	47	26	1425
Dumfries	Eskdalemuir	825	50	35	-	0	1	2	238	326	169	9	8.4	230	22	11	21	50	26	1300
ENGLAND and WALES																				
6b Isle of Man	Point of Ayre	70	40	35	-	0	8	59	372	173	70	70	12.3	320	30	20	13	43	18	0650
2 Durham	Durham	389	53	33	I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	South Shields	73	57	44	-	0	10	42	343	278	81	0	11.0	290	30	26	13	51	12	1000
Lincoln	Cranwell	288	47	47	-	0	12	54	309	289	92	0	11.1	270	30	2	12	54	2	1200
3 Norfolk	Gorleston	52	42	34	-	0	3	7	251	366	120	0	8.4	260	24	21	13	38	20	2250
Suffolk	Mildenhall	98	83	60	-	0	4	14	255	386	89	0	9.2	270	26	29	13	42	29	1215
	Felixstowe	85	75	65	-	0	1	3	302	303	136	0	9.2	300	24	2	16	45	2	1550
Bedford	Cardington	228	133	133	29	2	12	94	334	236	78	0	12.3	240	35	29	13	53	29	1220
Hertford	Rothamsted	461	41	33	-	0	0	0	99	481	164	0	6.3	260	18	29	13	37	29	1355
	Stanstead Abbots	138	41	40	I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Essex	Coryton	66	57	48	-	0	0	0	177	417	150	0	7.3	250	20	30	12	36	30	1140
	Shoeburyness	118	106	91	-	0	1	1	265	367	111	0	8.8	300	22	2	15	39	2	1415
4 Yorks., W.R.	Sheffield	533	83	35	-	0	1	1	164	402	177	0	7.1	250	23	12	07	45	30	0920
Warwick	Birmingham	643	118	73	-	0	0	0	155	542	47	0	8.3	260	21	26	13	39	26	1235
Stafford	Keele	706	50	40	-	0	1	1	151	381	211	0	6.9	240	23	12	11	45	12	1010
Gloucester	Avonmouth	92	61	33	-	0	8	30	201	186	271	56	7.8	270	27	29	23	(37)	29	1145
5 London	Kingsway	231	160	40	-	0	0	0	229	453	62	0	8.9	250	19	26	16	37	12	0930
Middlesex	London Airport	115	33	33	-	0	2	5	235	403	101	0	8.6	260	25	30	13	35	20	2240
	Hampton	139	101	100	-	0	0	0	165	358	221	0	6.5	260	20	30	13	35	26	1525
Surrey	Kew Observatory	92	75	50	-	0	0	0	131	377	236	0	6.2	230	19	30	13	44	18	1430
	Gatwick	232	38	33	-	0	0	0	134	317	293	0	5.7	270	21	30	12	39	30	1140
Kent	Isle of Grain	48	40	33	-	0	0	0	110	303	326	5	5.2	250	20	29	14	33	30	1410
	Dungeness	70	50	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dover	68	38	62	-	0	2	3	227	331	164	19	8.2	240	23	29	16	48	30	1335
Sussex	Thorney Island	75	65	42	-	0	0	0	87	313	344	0	4.9	250	19	29	16	35	29	1550
Hampshire	Southampton (Eastleigh)	95	60	41	-	0	1	1	149	381	206	7	6.6	250	22	29	15	37	2	1235
	Calshot	50	41	33	-	0	0	0	133	510	101	0	6.9	260	17	29	15	27	29	1405
	S. Farnborough	318	69	35	-	0	0	0	71	249	424	0	4.2	270	20	30	12	36	30	1150
Berkshire	Abingdon	295	40	40	-	0	4	8	212	229	295	0	6.8	250	24	12	16	42	30	1155
Wiltshire	Larkhill	491	51	36	-	0	3	4	165	410	165	0	7.4	260	23	29	13	40	26	1200
	Porton	406	44	44	-	0	0	0	107	298	339	0	5.1	250	21	29	13	36	26	1615
7a Cumberland	Sellafield	83	39	35	-	0	9	30	371	285	6	52	12.2	220	27	11	20	42	2	1020
	Spadeadam	959	51	40	-	0	9	47	405	248	44	0	12.4	220	30	12	08	48	12	1035
Westmorland	Moor House	1960	50	45	26	4	20	159	332	163	63	23	15.1	280	38	26	13	54	26	1215
Lancashire	Southport	59	41	33	-	0	13	115	319	193	117	0	12.9	260	30	26	12	53	17	1510
	Speke	180	100	65	24	1	11	53	379	273	38	0	12.1	240	34	11	24	49	2	0855
Cheshire	Bidston Observatory	262	64	39	-	0	11	76	352	215	65	36	-	270	31	30	08	55	2	0755
	Manchester Airport	318	70	30	-	0	5	12	290	397	45	0	10.0	290	26	2	10	47		

MONTHLY WEATHER CHARTS

MARCH 1961



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



Sea temperatures are shown by figures in circles, thus: ⑩

RAINFALL MARCH 1961

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

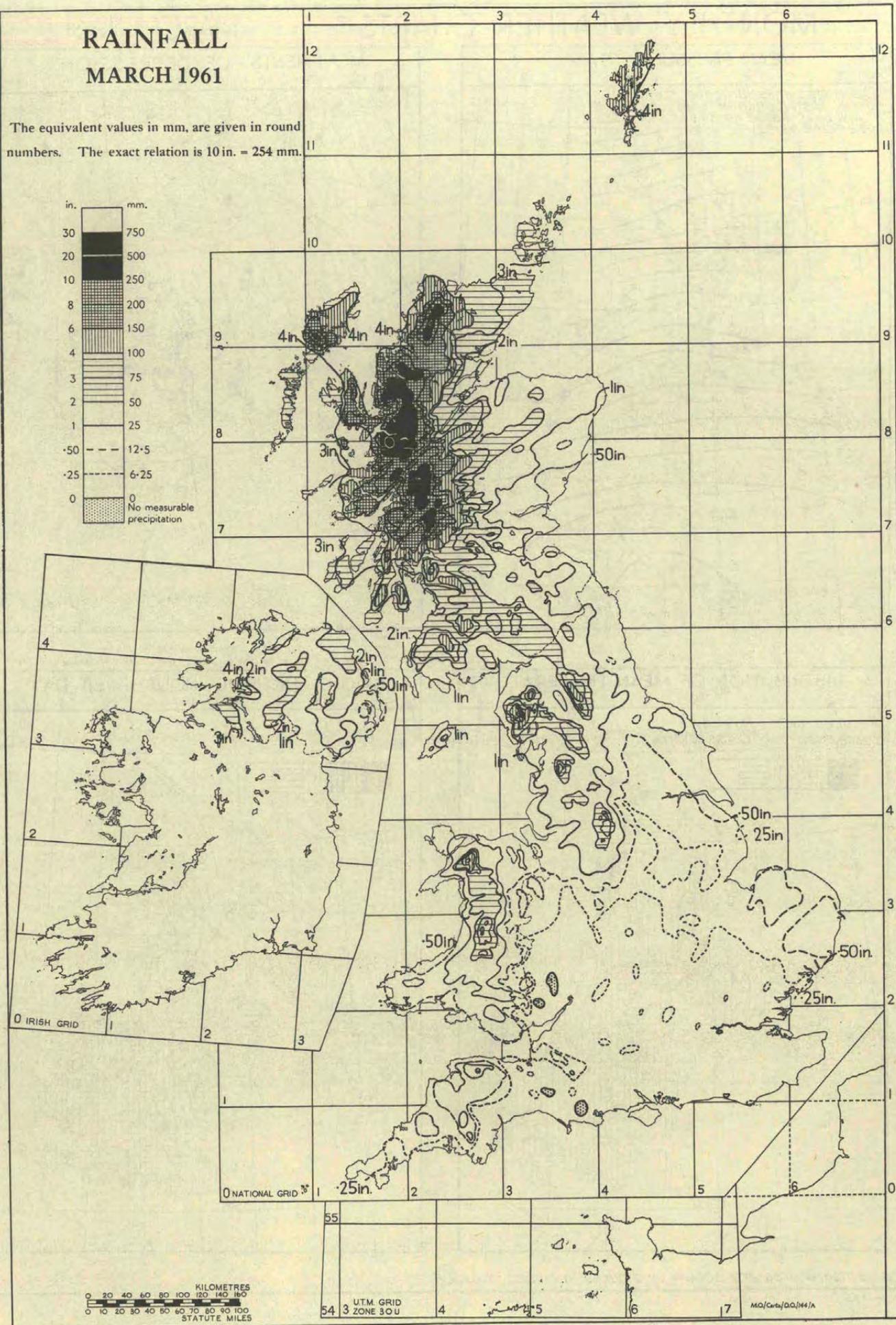
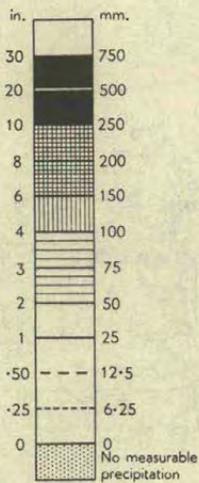


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS						EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE							
			Means of		Difference from Average	Highest Maximum and Lowest Minimum		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 0.1in. (0.2mm) or more	Precip'n 0.01in. (0.2mm) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.		Mean Temperature Mean of A and B	Maximum					Date	Minimum														Date	Amount	Date	
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
0 SCOTLAND, N.																														
Zetland	Lerwick Obs'y. ¶§	21-9	269	7.6	3.6	5.6	+1.7	13.3	9	-3.4	27	-	-	3.79	123	.83	17	25	18	10	4	1	8	0	1	6	10	17	2.35	80
	Baltasound ...	9 9	78	8.2	3.1	5.7	-	13.3	9	-2.8	27, 31	5.7	-	4.61	125	.85	11	25	21	11	1	10	0	0	0	4	1	8	2.18	-
Orkney	Sule Skerry ...	9 9	43	8.6	6.0	7.3	-	12.0	8	0.0	27	-	-	3.71	-	.50	25	19	16	0	0	0	0	0	0	1	1	5	-	-
	Kirkwall (Grimsetter)	21-9	84	9.5	4.4	6.9	-	17.8	9	-2.8	31	-	-	3.13	117	.45	17	24	16	9	1	10	0	0	0	4	6	5	2.91	-
Calthness	Dounreay ...	9 9	73	10.8	3.9	7.3	-	18.9	9	-3.3	31	-	-	2.72	-	.44	17	21	15	3	1	0	0	0	0	3	10	5	-	-
	Halkirk (Olgrinbeg)	9 9	232	11.0	2.2	6.6	-	20.0	9	-6.7	31	-	-	2.47	-	.54	17	21	15	4	1	1	0	0	0	3	16	6	-	-
	Wick ... ¶§	21-9	119	10.4	3.9	7.1	+2.3	17.3	9	-5.0	31	-	-	2.02	112	.34	30	19	16	6	1	2	5	0	0	5	6	3	3.53	99
Sutherland	Cape Wrath ...	21-9	367	7.9	5.2	6.5	-	15.0	8	0.0	30, 31	-	-	3.87	134	.56	11	23	17	6	0	6	0	1	3	4	2	-	-	-
	Laig (Achany) ...	9 9	240	11.6	3.0	7.3	-	19.4	9	-3.9	31	5.4	4.8	3.40	-	.58	28	23	17	6	1	5	0	0	0	6	19	0	-	-
	Strathy ...	9 9	120	10.9	3.7	7.3	-	19.4	9	-6.1	31	-	-	3.30	132	.66	30	24	18	8	1	0	5	0	0	3	1	2	2.64	-
Ross & Cromarty	Stornoway ¶§	21-9	11	10.2	5.6	7.9	+2.3	13.6	9	-1.8	31	-	-	3.35	146	.43	16	26	17	4	0	1	5	0	0	2	3	2	2.56	76
	Balmacara ...	9 9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Achnashellach ...	9 9	220	10.1	4.3	7.2	+2.1	16.7	9	-2.8	31	-	-	11.66	209	1.27	3	28	26	4	1	2	0	0	0	3	0	0	-	-
	Kinlochewe ...	9 9	76	11.2	5.2	8.2	-	18.3	9	-2.2	31	-	-	9.91	-	2.41	25	27	24	3	1	2	0	0	0	2	3	0	1.57	-8
	Garve (Blackbridge) ...	9 9	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fortrose ... ¶§	9 9	15	-	-	-	-	-	-	-	-	-	-	1.44	97	.37	26	13	11	3	1	1	0	0	0	-	-	1	3.18	89
	Tarbatness ...	21-9	60	10.0	5.2	7.6	-	16.0	9	-1.0	31	-	-	.43	-	.06	17	15	5	0	0	0	0	0	0	1	1	0	-	-
Inverness	Benbecula ...	21-9	19	9.7	6.2	7.9	-	12.2	8	-0.3	31	-	-	3.31	132	.57	16	25	17	2	0	3	2	0	0	1	2	2	2.52	-
	Isle of Rhum ...	9 9	15	10.7	5.8	8.3	-	16.7	8	-0.5	31	7.8	7.5	7.72	-	.86	11, 28	27	23	2	0	1	3	0	0	1	7	7	-	-
	Prabost ...	9 9	220	9.7	4.7	7.2	-	15.6	9	-2.2	31	-	-	6.21	-	.89	11	28	24	2	1	0	5	0	0	2	7	8	2.22	-
	Duntulm ...	9 9	294	9.3	4.8	7.1	-	12.2	9	-0.5	31	-	-	4.49	139	.76	3	25	20	2	0	3	0	0	4	1	2	4	2.15	-
	Onich ... ¶§	9 9	48	10.0	4.9	7.5	+1.9	12.2	5	-1.1	31	-	-	8.21	151	1.44	11	24	22	-	0	-	-	-	2	3	10	-	1.95	65S
	Fort William (Camaghael)	9 9	27	10.6	5.2	7.9	-	12.8	5, 9, 14	-1.1	21	7.1	6.6	6.15	-	1.64	11	23	19	1	0	0	3	0	0	2	6	0	2.14	-8
	Fort Augustus ...	9 9	70	10.8	5.2	8.0	+2.9	14.4	5	-1.7	31	-	-	3.62	-	1.02	11	22	12	2	0	0	0	0	0	2	-	0	2.50	-
	Cannich ...	9 9	350	11.4	3.7	7.5	-	15.0	9	-1.7	27	-	-	3.31	119	.59	11	17	14	3	1	0	0	0	0	4	15	0	-	-
	Dalwhinnie ...	18-9	1176	8.5	2.9	5.7	-	12.8	5	-5.5	31	-	-	3.21	102	.78	11	22	16	6	3	1	0	0	0	4	13	0	2.90	-8
	Inverness ...	9 9	13	11.7	5.4	8.5	-	16.1	9	-0.5	31	-	-	.96	-	.30	17	13	9	1	0	0	1	0	0	1	3	0	3.58	-
	Achnagoichan ...	9 9	1000	10.2	3.3	6.7	-	15.0	5, 9	-2.8	27	5.2	-	1.53	-	.28	11	17	12	-	-	-	-	-	5	14	-	-	-	
	Glenmore Lodge	9 9	1120	10.2	2.3	6.3	-	16.1	9	-2.9	27	-	-	1.61	-	.39	17	16	11	6	2	0	0	0	1	10	15	0	2.99	-
1 SCOTLAND, E.																														
Nairn	Nairn ... ¶§	9 9	20	12.2	4.3	8.3	+3.0	16.7	9, 10	-1.1	27, 31	-	-	1.14	83	.26	17	16	11	1	1	1	0	0	0	2	11	0	3.73	103
	Grantown-on-Spey ...	9 9	720	11.1	2.3	6.7	-	16.1	9	-2.2	27, 31	-	-	1.09	-	.29	26	13	10	-	1	-	-	-	0	6	14	-	-	-
	Forres ...	9 9	155	11.9	4.7	8.3	-	18.3	9	-1.7	31	6.6	6.1	.94	63	.26	17	13	7	1	1	0	0	0	0	2	11	0	3.43	-
	Kinloss ...	21-9	15	11.9	4.9	8.4	-	17.7	9	-2.6	31	-	-	.90	-	.19	17	8	3	0	0	5	0	0	0	2	8	1	3.33	-
	Elgin ...	9 9	92	12.3	5.0	8.7	-	17.8	5, 9	-1.1	31	-	-	1.22	-	.23	17	17	10	0	0	0	0	0	0	2	3	0	3.51	-
	Lossiemouth ...	9 9	21	11.7	4.2	7.9	-	17.2	9	-1.1	7	-	-	1.32	-	.23	17	16	12	4	0	4	0	0	0	3	4	2	-	-
	Gordon Castle ...	9 9	104	12.8	4.1	8.5	+3.2	18.3	9	-2.2	31	-	-	1.34	79	.34	17	16	10	-	1	-	-	-	3	-	-	3.35	94S	
Banff	Glenlivet ...	9 9	1085	10.2	2.9	6.5	-	17.2	5	-2.0	27	4.1	-	1.01	45	.22	18	14	8	6	3	3	0	0	0	11	14	1	3.18	-
Aberdeen	Braemar ...	9 9	1113	10.1	2.6	6.3	+3.4	14.4	5, 8, 16	-2.8	31	-	-	.99	44	.21	11	13	8	-	0	-	-	-	7	18	-	3.43	-8	
	Balmoral ...	9 9	927	10.7	2.4	6.5	+3.4	16.1	8	-2.8	7, 31	-	-	1.28	62	.30	18	14	7	5	3	0	0	0	0	7	18	2	-	-
	Logie Coldstone ...	9 9	608	12.3	3.3	7.8	+3.9	18.3	8	-2.2	7	-	-	1.27	-	.35	18	12	9	-	2	-	-	-	6	-	-	-	-	
	Huntly ...	9 9	405	12.1	3.3	7.7	-	19.5	9	-2.4	27	-	-	1.48	-	.28	17	19	11	5	1	1	0	0	0	3	9	0	-	-
	Fyvie Castle ...	9 9	218	12.2	3.1	7.7	-	19.4	9	-1.7	5	-	-	1.32	-	.25	17	12	12	-	0	-	-	-	6	17	-	4.18	-	
	Craibstone ¶§	9 9	300	12.1	3.8	7.9	+3.3	16.7	8, 13	-1.7	27	5.6	5.3	.85	42	.14	26	14	10	5	2	2	0	0	0	3	12	4	4.44	119
	Dyce ...	21-9	190	12.3	3.2	7.7	-	17.6	8	-1.3	27	-	-	.81	38	.15	18	13	9	6	2	0	4	0	0	6	12	2	4.50	-
	Aberdeen ...	9 9	170	12.3	3.8	8.1	-	17.2	14	-0.5	19, 31	-	-	.70	35	.18	17	13	5	4	2	0	1	0	0	4	13	2	4.45	-
	Udny ...	9 9	363	11.8	3.5	7.7	-	16.7	14	-1.1	27, 31	-	-	.95	-	.23	17	14	9	6	1	3	0	0	0	3	17	2	4.28	-
	Rattray Head ...	21-9	85	11.0	3.9	7.5	-	15.5	8	0.1	31	-	-</																	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS						EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE								
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average					
			A	B		Maximum	Date	Minimum	Date					Amount	Date	<0in (0.2mm.) or more	<0.01in (0.1mm.) or more																
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr	%				
2 ENGLAND, N.E.—cont.																																	
Northumberland cont.	Acklington	21-9	138	11.5	4.2	7.9	-	15.9	9	-0.8	6,20	-	-	.55	-	.43	29	5	2	1	0	0	0	0	0	0	0	0	8	2	4.38	-	
	Tynemouth	21-9	95	11.6	5.4	8.5	+2.6	15.3	9	0.5	27	-	-	.86	56	.43	29	5	1	0	4	0	0	0	0	0	0	0	6	4	4.13	-	
Durham	Chopwellwood	9 9	446	12.5	4.0	8.3	+3.4	17.2	6	0.0	27	-	-	.87	47	.60	29	5	3	1	0	0	0	0	0	1	2	20	1	-	-	-	
	Ushaw College	9 9	594	11.7	3.7	7.7	+2.7	16.7	16	-1.1	20	-	-	1.03	53	.63	29	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Houghall	9 9	123	12.9	2.6	7.7	+2.4	17.8	16	-2.2	20	-	-	.94	55	.63	29	3	3	1	0	0	0	0	0	0	0	1	9	15	2	4.46	139
	Durham	9 9	336	12.3	3.8	8.1	+2.9	17.2	16	-0.5	20	6.6	6.5	.92	56	.63	29	4	3	0	0	0	0	0	0	0	0	1	3	17	-	4.31	129
	Gateshead	9 9	509	11.8	4.7	8.3	-	17.2	6	0.0	19	-	-	.72	-	.51	29	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Middleton St. Gge.	21-9	115	12.3	4.5	8.4	-	19.1	16	-0.4	20	-	-	.61	-	.36	29	5	3	1	0	0	0	0	0	0	2	1	11	0	4.24	-	
	West Hartlepool	9 9	30	12.8	4.9	8.9	-	18.9	16	0.6	20	-	-	.83	-	.42	29	7	6	1	0	1	0	0	0	0	0	0	7	1	4.21	-	
Yorks., N. Riding	Hawes	-	745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dishforth	21-9	105	12.5	4.1	8.3	-	18.6	16	-0.4	5	-	-	.33	22	.19	30	4	2	1	0	0	0	0	0	0	4	2	11	2	4.31	-	
	York	9 9	57	12.9	4.3	8.6	+2.6	18.9	16	0.6	19,20	6.7	6.8	.34	24	.18	30	8	2	0	0	0	0	0	0	0	0	5	0	0	3.74	116	
	Ampleforth	9 9	313	11.8	3.3	7.5	+2.3	17.2	16	-1.7	21	-	-	.70	38	.31	29	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Redcar	9 9	25	13.1	5.3	9.2	-	19.4	16	0.6	19	-	-	.80	59	.46	29	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Whitby	9 9	135	12.7	4.7	8.7	-	18.9	16	0.6	20	-	-	.81	50	.32	29	8	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Scarborough	9 9	118	13.1	5.1	9.1	+2.8	18.3	16	0.6	20	-	-	.74	49	.32	29	7	7	0	0	0	0	0	0	0	0	1	0	1	2	5.15	148
	Silpho Moor	9 9	665	11.8	3.4	7.6	-	17.2	16	-0.5	20	5.6	-	.91	-	.32	29	11	5	2	0	0	0	0	0	0	0	4	5	13	0	-	-
Yorks., E. Riding	High Mowthorpe	9 9	574	11.3	3.3	7.3	-	17.2	16	-1.1	18,20	5.7	-	.77	-	.38	29	10	4	2	1	0	0	0	0	0	0	2	5	14	0	4.44	-
	Hull	9 9	8	13.3	4.7	9.0	+2.9	20.0	16	0.6	19,20	7.0	6.6	.59	40	.29	29	8	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Leconfield	21-9	24	13.0	3.6	8.3	-	19.4	16	-1.1	5	-	-	.59	-	.31	29	8	3	1	0	1	0	0	0	0	4	4	12	0	-	-	
	Filey	9 9	122	11.9	3.6	7.7	-	17.2	16	-1.1	20	-	-	.76	-	.30	29	9	6	0	0	2	1	0	0	0	2	3	0	0	0	0	0
	Bridlington	9 9	157	12.1	3.3	7.7	-	17.8	16	-1.1	20	-	-	.81	-	.32	29	9	7	1	0	0	2	0	2	0	2	3	25	7	5.01	-	
	Spurn Head	21-9	29	11.9	5.2	8.5	+2.8	19.7	16	1.3	19	-	-	.56	-	.20	29	7	5	1	0	0	0	2	0	3	0	0	2	3	99	106	
Lincoln	Gainsborough	9 9	110	13.1	3.6	8.3	-	20.0	15,16	-1.1	20	-	-	.42	-	.27	30	4	3	0	0	0	0	0	0	0	0	4	4	0	0	0	0
	Waddington	21-9	224	12.8	3.9	8.3	-	19.9	16	-1.6	20	-	-	.23	-	.12	31	4	2	2	0	0	1	0	0	3	1	11	0	4.60	-		
	Lincoln	9 9	22	13.4	2.8	8.1	-	20.0	15,16	-5.0	20	6.4	6.5	.27	-	.10	30	5	3	1	0	0	0	0	0	2	8	24	0	4.66	-		
	Cranwell	9 9	205	13.0	3.4	8.2	+2.6	20.1	16	-0.9	20	7.2	8.0	.22	15	.07	30	6	3	1	0	0	1	0	3	1	13	0	5.26	141			
	Cleethorpes	9 9	23	13.3	4.3	8.8	+2.9	22.2	16	0.0	20	-	-	.52	35	.19	30	5	5	0	0	0	0	0	0	0	2	1	0	0	0	0	
	Manby	21-9	55	13.0	3.2	8.1	-	19.5	16	-1.6	20	-	-	.37	-	.08	18	9	4	3	0	0	2	0	2	0	2	13	0	4.98	-		
	Skegness	9 9	15	12.8	3.3	8.1	+2.5	20.0	15	-1.7	20	-	-	.40	31	.10	18,29	7	5	1	0	1	0	0	0	1	4	14	0	5.02	145		
3 ENGLAND, E.																																	
Norfolk	Terrington	9 9	13	13.2	3.0	8.1	-	20.6	16	-1.1	20	6.8	-	.38	32	.10	30	7	5	1	0	0	0	0	0	2	5	20	0	4.95	-		
	St. Clement	9 9	76	13.2	2.6	7.9	-	20.6	16	-1.7	3,22	-	-	.28	-	.12	30	6	2	2	0	0	1	0	2	8	20	0	0	0	0	0	
	Marham	21-9	80	13.7	-0.1	6.8	-	22.2	16	-6.1	1	6.2	6.7	.54	-	.21	30	8	6	0	0	0	0	0	0	0	17	25	0	-	-	-	
	Santon Downham	9 9	80	13.7	-0.1	6.8	-	22.2	16	-6.1	1	6.2	6.7	.54	-	.21	30	8	6	0	0	0	0	0	0	0	0	17	25	0	-	-	
	West Raynham	21-9	250	12.5	3.0	7.7	-	19.5	16	-1.8	20	-	-	.62	-	.22	29	9	6	3	0	1	0	0	0	2	5	16	0	5.72	-		
	Cromer	9 9	178	12.8	3.9	8.3	+2.2	20.6	15	0.6	20	-	-	.43	30	.15	29	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sproston	9 9	93	12.9	3.2	8.1	+2.4	20.6	15,16	-1.1	9,20	7.0	-	.43	28	.12	30	8	4	2	0	0	0	0	0	0	0	4	16	1	5.15	122	
	Burlingham	9 9	89	13.1	3.3	8.2	-	21.7	16	-0.5	20	-	-	.55	38	.12	2,30	7	5	3	0	0	1	0	2	2	16	0	5.29	-			
	Gorleston	21-9	5	11.3	4.5	7.9	+2.2	20.0	15	-0.2	20	7.3	7.6	.48	35	.19	30	6	4	2	0	0	0	0	0	2	1	9	0	5.16	123		
Suffolk	Mildenhall	21-9	15	13.7	3.6	8.7	-	22.0	16	-2.0	20	-	-	.29	23	.14	30	6	3	2	0	0	1	0	1	2	17	0	5.28	-			
	East Bergholt	9 9	14	13.9	2.0	7.9	-	21.1	16	-3.9	20	-	-	.39	-	.12	30	7	5	0	0	0	2	0	3	8	25	0	-	-	-		
	Wattisham	21-9	292	12.4	2.5	7.5	-	19.4	15	-3.9	20	-	-	.27	-	.10	29	5	2	1	0	0	2	0	2	5	14	0	-	-	-		
	Felixstowe	21-9	10	11.7	5.0	8.3	+2.5	16.1	14,17	0.4	20	-	-	.35	28	.09	30	8	4	1	0	0	3	0	3	0	5	0	5.58	125			
	Lowestoft	9 9	82	12.6	3.6	8.1	+2.5	20.6	15	-1.1	20	7.0	7.3	.64	48	.18	18	8	5	2	0	1	0	0	0	2	3	12	0	5.14	117		
Cambridge	Boxworth	9 9	157	13.6	3.2	8.4	-	21.1	15	-2.2	20</																						

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE			
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n			Snow or Sleet	Snow lying at 9h.	Fog	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Gross min. °C. or less	Gale	Duty Mean	Percentage of Average	
			A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum					Date	Amount	Date	0.1 in. (0.2 mm.) or more	0.01 in. (0.1 mm.) or more												0.001 in. or more
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.														hr	%
7a ENGLAND, N.W.																														
Cumberland	Sellafield ...	99	43	10.1	3.9	7.0	-	12.8	5,6,17	-0.5	26	-	-	1.07	40	.40	29	8	5	-	0	-	-	-	3	4	14	-	-	-
	Carlisle ...	21-9	86	10.5	5.1	7.8	-	13.3	29	-1.3	19	-	-	1.35	-	.57	29	13	8	1	0	0	0	0	3	2	8	0	2.86	-
Westmorland	Newton Rigg ¶§	99	560	10.8	4.4	7.6	+2.8	16.1	16	-1.1	19	6.3	-	.83	38	.35	29	12	5	-	0	-	1	2	11	1	2.26	-	112	
	Spadeadam ...	99	900	8.6	2.9	5.7	-	11.7	9	-5.6	19	5.2	5.4	-	2.41	-	.87	29	22	11	2	0	0	1	0	4	7	11	1	2.26
Lancashire	Ambleside ...	99	151	10.9	4.4	7.7	-	16.1	16	-1.1	6,20	-	-	2.55	54	.68	28	13	10	0	0	0	0	2	5	-	0	1.96	-	
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.66	-	
Cheshire	Moor House ...	99	1840	7.1	1.6	4.3	-	11.7	5,16	-4.4	19	3.9	-	4.95	-	1.90	29	20	12	3	0	0	2	0	9	10	17	4	2.23	-
	Barrow-in-Furness	99	55	10.3	5.3	7.8	-	15.0	16	1.7	19	7.6	-	1.40	-	.30	29	9	8	0	0	0	0	0	5	0	0	0	-	-
Northamptonshire	Squires Gate ...	21-9	33	11.1	5.0	8.1	-	17.4	16	0.1	3	-	-	.78	41	.28	29	7	4	1	0	0	0	0	5	0	10	0	3.69	-
	Urswick ...	99	130	10.9	4.4	7.7	-	15.0	16	-1.1	19	-	-	1.38	-	.50	29	10	7	0	0	0	0	0	6	3	-	0	-	-
Derbyshire	Poulton-le-Fylde	99	38	11.1	5.1	8.1	-	17.8	16	0.6	16	-	-	1.09	-	.31	29	15	5	0	0	0	0	0	4	0	-	0	-	-
	Grizedale ...	99	300	10.6	3.4	7.0	-	15.6	16	-2.2	20	-	-	2.79	-	.85	29	13	9	1	0	0	0	0	4	9	16	0	-	-
West Yorkshire	Speke ...	21-9	80	12.6	5.5	9.1	-	20.4	16	0.8	5	-	-	.73	41	.25	29	11	5	0	0	1	0	0	2	0	11	0	4.21	-
	Kirkham ...	99	77	11.7	4.6	8.1	-	18.9	16	0.6	4,9,20	-	-	.85	41	.38	29	7	5	1	0	0	0	0	6	0	13	0	3.67	-
West Midlands	Garstang ...	99	68	11.1	4.4	7.7	-	16.7	16	-1.1	20	-	-	1.13	-	.44	29	9	4	-	0	-	-	1	4	12	-	3.21	-	
	Morecambe Moor	99	24	10.1	4.8	7.5	+1.7	14.4	9	1.7	13	-	-	1.09	51	.38	29	8	5	0	0	0	0	0	1	0	-	0	2.70	70
East Midlands	Preston (Moor Pk.)	99	108	11.6	4.8	8.2	-	18.3	16	-0.5	20	-	-	1.31	60	.45	29	15	8	1	0	0	0	0	7	1	15	0	-	-
	Bolton ...	99	352	11.8	3.4	7.6	+2.0	19.4	16	-1.7	3	6.3	6.3	-	1.94	-	.77	29	15	8	0	0	0	0	9	5	17	0	3.74	-
East of England	Darwen ...	99	724	10.3	3.6	6.9	+2.0	16.7	16	-0.5	20	6.0	5.8	-	3.17	97	.85	29	16	12	0	0	0	0	1	1	4	0	-	-
	Stonyhurst ¶§	99	377	11.2	4.4	7.8	+2.5	17.8	16	0.0	19,20	-	-	2.22	85	.72	29	14	9	-	0	-	-	4	2	5	-	3.41	103	
East of England	Manchester Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.86	-	
	Helmshore ...	99	854	9.9	3.8	6.9	-	16.7	16	-0.5	19	6.3	-	2.28	-	.81	29	14	10	-	0	-	-	2	3	9	-	3.85	-	
East of England	Manchester (Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.35	-	
	Burnley ...	99	655	10.2	4.1	7.1	-	17.2	16	-2.2	19,20	6.3	6.5	1.88	-	.62	29	14	6	0	0	0	0	0	2	3	16	0	2.58	-
East of England	Nelson ...	99	540	10.5	4.4	7.5	-	16.7	16	-1.1	19	6.2	6.2	1.79	74	.59	29	14	6	-	0	-	-	2	2	9	-	2.62	-	
	Rochdale ...	99	362	11.3	2.4	6.9	-	18.3	16	-3.3	19,20	-	-	1.65	-	.64	29	13	7	0	0	0	0	5	10	13	0	3.09	-	
East of England	West Kirby Park	99	17	12.4	5.5	8.9	-	19.4	16	0.6	15,20	-	-	.67	-	.23	31	8	3	-	-	-	-	0	5	-	5	4.52	-	
	Bidston Obs'y. ¶§	99	198	11.5	5.9	8.7	+2.7	17.2	16	2.8	3,5,20	-	-	.54	33	.21	31	9	4	-	-	-	2	0	0	-	0	4.69	-	
East of England	Northwich (Winington)	99	65	13.1	5.3	9.4	-	20.6	16	-0.5	19	-	-	.97	55	.40	29	11	6	0	0	1	0	1	1	10	0	-	-	
	Manchester Airport ¶§	21-9	248	12.1	5.2	8.7	+2.8	20.1	16	-0.7	20	-	-	1.26	71	.76	29	11	7	0	0	0	1	0	2	1	9	0	3.99	133
East of England	Macclesfield ...	99	500	11.6	4.5	8.1	+2.7	20.0	16	-1.7	19	-	-	1.56	76	.88	29	12	9	3	0	1	0	0	3	3	-	0	-	-
	7b NORTH WALES																													
North Wales	Flint Rhyll ...	99	31	12.2	5.8	9.0	+2.4	17.2	5	0.6	20	-	-	.68	41	.21	31	12	5	0	0	0	0	0	0	0	3	2	4.31	111
	Prestatyn ...	99	12	12.1	5.7	8.9	-	16.7	5	0.0	5	-	-	.60	34	.20	31	7	3	-	0	-	-	0	1	-	-	-	-	-
North Wales	Hawarden Bridge	99	17	13.3	4.9	9.1	+2.9	20.6	16	-0.5	5	-	-	.48	28	.14	29,31	6	4	0	0	1	0	0	3	1	-	0	-	-
	Holyhead (Valley)	21-9	28	10.6	6.3	8.5	+1.7	15.6	16	1.7	20	-	-	.55	26	.24	31	7	5	0	0	1	0	0	1	7	5	0	3.33	82
North Wales	Denbigh Colwyn Bay ...	99	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Alwen ...	99	1100	9.6	1.4	5.5	-	18.3	16	-5.0	20,22	-	-	1.20	-	.37	29	13	7	-	-	-	-	-	12	17	-	-	-	
North Wales	Ruthin ...	99	248	12.6	4.3	8.5	-	20.0	16	-2.8	20	-	-	1.02	-	.55	29	9	6	-	0	-	-	0	4	-	-	-	-	
	Bwlchgwn ...	99	1267	9.7	3.4	6.5	-	18.3	16	-1.7	20,28	5.7	-	1.02	-	.17	17	14	9	1	0	0	0	0	1	4	10	0	-	-
North Wales	Ruabon ...	99	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wrexham ...	99	275	12.8	4.4	8.6	-	19.4	16	0.0	5	6.8	6.8	.61	-	.17	31	8	6	2	0	0	0	0	3	1	19	0	-	-
North Wales	Caernarvon Bardsey Island ...	21-9	60	10.2	7.0	8.6	-	14.1	16	4.5	19	-	-	.45	-	.13	28	7	5	-	-	-	-	5	0	2	-	-	-	
	Botwnnog ...	99	112	11.2	5.6	8.4	-	17.2	16	0.6	20	8.3	8.2	.79	-	.20	31	11	5	0	0	0	0	0	2	0	3	0	3.64	-
North Wales	Bryn Adda ...	99	275	11.6	5.7	8.7	-	18.3	16	0.0	20	-	-	1.05	-	.26	31	8	6	1	0	0	3	0	0	1	15	0	3.56	-
	Cwm Dyli ...	99	324	10.6	5.1	7.9	-	18.3	16	0.5	20	7.2	-	5.73	-	1.11	29	20	14	1	1	0	0	3	6	1	10	0	-	-
North Wales	Aber ...	99	60	12.3	5.9	9.1	+2.1	16.1	9,14,16	1.7	20	-	-	1.02	40	.29	28	9	5	0	0	0	0	0	1	0	11	0	3.88	-
	Llandudno ¶§	99	13	11.6	6.1	8.9	+2.0	15.6	5,9	2.2	5	-	-	.77	41	.29	31	9	4	1	0	0	1	0	1	0	-	0	4.39	111
North Wales	Merioneth Llyn Stwlan ...	99	1656	7.0	3.1	5.1	-	15.0	16	-1.1	28	-	-	4.91	-	.91	29	19	17	-										

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

Volume 78 Number 4

Published by HER MAJESTY'S STATIONERY OFFICE



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April 1961 — *Mild, Wet and Mainly Dull*

A mainly cyclonic month. During the first week a belt of low pressure lay across the British Isles but apart from feeble anticyclonic periods on the 15th—18th and 27th—29th, the country was under the influence of depressions from the Atlantic for most of the remainder of the month.

The month began with a ridge of high pressure extending south-eastwards from Greenland to Scotland and a weak cold front lying east-west across the British Isles. The cold front moved slowly southwards during the first three days from central to southern England; rather ahead of the front was dull with rain at times, but behind the front it was brighter and colder with scattered showers, which were of snow in Scotland. On the 4th, a depression west of Ireland deepened, and a warm, moist airstream from the Atlantic, accompanied by widespread rain, spread north-east across the country reaching the Scottish Highlands the following day. The frontal rain, which was heavy locally, was preceded by snow in parts of the Midlands and the North on the 4th, and occasional rain continued for another two days as the front became slow-moving, and finally retrograde, before giving place to an anticyclone from the Atlantic. There were, however, fair periods especially in the south of England, and in the north of Scotland weather was generally fine and dry with over 10 hours of sunshine in the Hebrides on both the 5th and 6th.

The anticyclone was centred over the British Isles on the 7th and apart from some rain in south-east England, associated with a frontal wave over the English Channel, weather became dry almost everywhere; it was dull in the east but continued sunny in the north-west with as much as 12 hours sunshine in some places.

Frontal rain, associated with a deep depression in mid-Atlantic, reached south-west England during the afternoon of the 8th and spread slowly across the country reaching the east coast the following morning. Weather remained generally dull and mild with occasional rain during the next two days, as the Atlantic depression moved slowly eastwards, and associated troughs of low pressure crossed the British Isles.

On the 13th and 14th a trough of low pressure extended southwards over the country from a complex low pressure area between Iceland and Greenland. Weather was showery with occasional thunder but there were long sunny periods. Four days of sunny and mainly dry weather followed as a belt of relatively high pressure became established over the British Isles and the North Sea; Guernsey recorded almost 45 hours of sunshine during this spell and afternoon temperatures reached 19°C in many parts of East Anglia and the North Midlands. Fog patches on the night of the 15th/16th reduced visibility to 50 yards locally but cleared quickly after sunrise.

Weather was unsettled and changeable in all districts from 19th to 22nd. Rain was widespread on the 22nd as a shallow depression moved northward over the Irish Sea; more than 1 in. was recorded at a number of places in Wales.

On the 25th, which was the wettest and most disturbed day of the month, a complex depression deepened rapidly in the South-West Approaches before moving north-east across the country. There were gales in all areas and rain was widespread and locally heavy with falls of more than 1 in. in many places in southern England. The depression moved to the southern North Sea late the following day and, as it continued to move eastward towards the continent, easterly winds on its northern flank brought low cloud and fog on the 27th and 28th to north-eastern coasts. Elsewhere, however, there were sunny periods with some slight occasional rain. Further rain from the Atlantic reached most districts on the last day of the month.

Pressure and Wind — Mean pressure was everywhere below the average, the deficit at 9h ranging from 1.8 mb at Lerwick to 7.3 mb at Scilly. Surface winds were predominantly south-westerly on the 4th—5th, 10th—13th and 18th—24th, otherwise they were generally light and mainly variable in direction. In Scotland, wind reached gale force on five days and in England and Wales on the 2nd, 4th, 10th, 11th, 13th, 14th, 18th, 20th, 21st, 23rd—27th and 29th (15 days). Gales were widespread on the 24th and 25th; a gust of 57 kt was recorded at Port Talbot on the 25th.

Temperature — Mean temperatures exceeded the 1921-50 average everywhere, the excess being 1.6°C in England and Wales, and 0.9°C in Scotland and Northern Ireland. Temperature was below average in Scotland and northern England during the first ten days, otherwise it was a mild month in most districts. The first four days were among the coldest of the month when afternoon temperatures in Scotland failed to exceed 2°C at many places.

Extremes included: (England and Wales) 20°C at several places in east, south-east and central England on the 6th and 11th, -7.8°C at Moor House on the 8th; (Scotland) 18.3°C at Castle Douglas on the 18th, -11.2°C at Glenlivet on the 4th; (Northern Ireland) 17.2°C at Armagh on the 29th, -4.4°C at Loughgall on the 3rd.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 160 in England and Wales, 115 in Scotland and 209 in Northern Ireland where the total for the month at many stations exceeded that for any previous April on record, including Armagh with 120 years of records. Less than half the average occurred in the Spey Valley and mid-Sutherland, while values exceeded 250 per cent of the average over the Brecon Beacons, the Black mountains, the Rhondda Valley, to the north of Lough Neagh, over eastern Armagh and over the greater part of Co. Down; parts of Co. Down had as much as 275 per cent of the average. At Ross-on-Wye it was the wettest April since 1889.

Snow or sleet occurred at one place or another on 14 days in Scotland but was most widespread during the first few days of the month, ground being snow covered in places from 1st to 6th. It was widespread on the 4th in North Wales and in northern and central England and also occurred locally in these districts during the first three days of the month.

Thunder was reported at one place or another on nine days in Scotland and on the 10th—14th, 18th, 19th, 21st, 23rd—27th and 29th (14 days) in England and Wales where it was widespread on the 13th and 24th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 66 in England and Wales, where it was the duller April since 1937, 82 in Scotland and 70 in Northern Ireland. Sunshine exceeded the average only in north-west Scotland and in districts adjacent to the inner Moray Firth. Elsewhere in the British Isles amounts were below average and as much as 50 per cent below average in the Midlands. At Ross-on-Wye it was the duller April since 1920.

Fog — In England and Wales early morning fog was reported at one place or another on the 1st—12th, 15th—18th and 25th—30th (22 days); it was widespread around the 18th and 28th. In Scotland morning fog occurred on 23 days.

Miscellaneous Phenomena — The aurora was visible in Scotland on 11 nights; it was seen as far south as Ronaldsway on the nights of the 14th/15th and 15th/16th.

TABLE I—DISTRICT VALUES— 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	
			Max.	Min.	Mean						
0 SCOTLAND, N.	17.8	-9.4	+0.6	+0.5	+0.4	-	-	95	-1	98	
Eastern											
1 SCOTLAND, E.	17.8	-11.2	+0.8	+1.2	+1.0	-	-	122	+3	77	
2 ENGLAND, N.E.	18.9	-6.7	+0.6	+1.7	+1.2	+1.5	+0.9	140	+4	65	
3 ENGLAND, E.	20.6	-3.9	+1.4	+2.1	+1.7	+1.6	+1.0	95	+3	77	
4 MIDLAND COUNTIES	20.6	-1.7	+1.2	+2.3	+1.7	+2.2	+1.3	190	+5	56	
5 ENGLAND, S.E.	20.6	-0.5	+1.0	+2.7	+1.8	+2.1	+1.6	144	+5	66	
Western											
6 SCOTLAND, W.	18.3	-7.2	+0.8	+1.7	+1.3	+1.0	+0.8	147	+4	72	
7 ENGLAND, N.W. (and N. Wales)	19.4	-7.8	+1.4	+2.0	+1.7	+1.5	+1.3	156	+6	69	
8 ENGLAND, S.W. (and S. Wales)	18.3	-1.1	+1.2	+2.3	+1.7	+1.9	+1.1	203	+9	61	
NORTHERN IRELAND	17.2	-4.4	+0.5	+1.3	+0.9	-	-	208	+3	70	

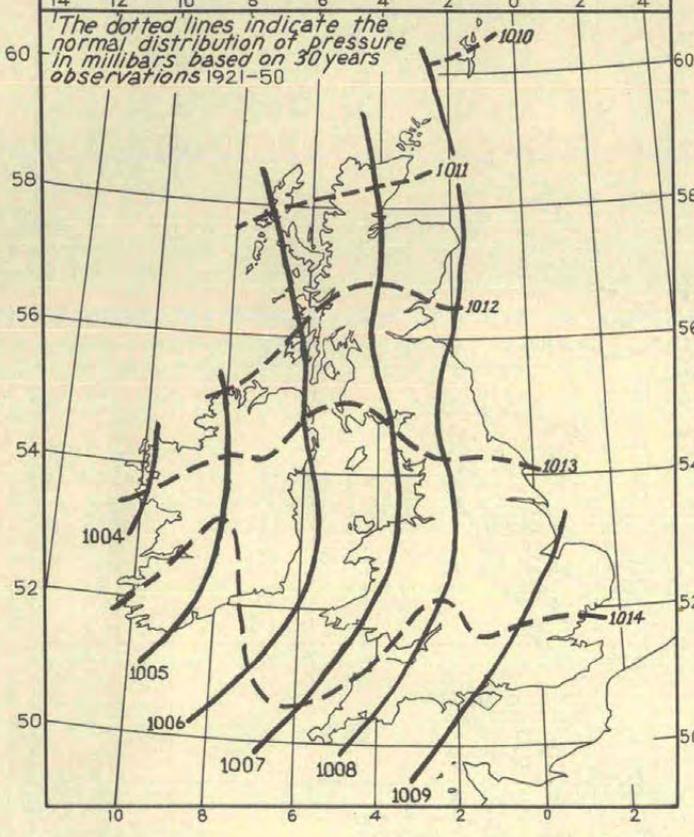
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— APRIL 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed								Mean Hourly Wind Speed	Highest Velocities								
	Above Mean Sea	Above Ground	Effective Height	34 knots or more		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	No. of days	Duration	Duration	Duration	Duration	Duration		Speed	Hour ended at	Speed	Day and Time					
	Level	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.		knots	°	knots	day hr.	knots	day	h.m.		
SCOTLAND																					
0 Zetland	Lerwick	310	53	37	-	0	10	77	453	174	16	0	14.1	030	30	3	06	45	3	0545	
Orkney	Kirkwall (Grimsetter)	135	51	33	-	0	7	48	420	222	30	0	12.8	270	31	13	10	48	13	0920	
Caithness	Dounreay	110	39	30	20.	1	9	69	365	264	21	0	12.8	130	36	20	02	50	20	0115	
	Halkirk (Olgrinbeg)	272	40	40	-	0	1	1	253	385	79	2	9.2	130	26	20	03	37	20	0255	
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	-	0	7	19	296	217	188	0	9.3	190	29	16	19	39	16	1850	
Inverness	Duirinish	125	65	55	-	0	1	3	215	354	146	2	8.1	230	24	16	16	33	16	1435	
1 Moray	Benbecula	69	51	35	-	0	7	55	331	259	75	0	11.5	140	30	20	14	46	20	1355	
	Lossiemouth	79	59	45	-	0	6	13	168	331	174	34	7.9	230	29	13	04	39	19	1510	
Aberdeen	Dyce	225	40	40	-	0	0	0	100	287	333	0	5.1	290	21	3	09	30	3	1125	
Angus	Bell Rock Lighthouse	128	131	124	19	1	15	97	415	166	41	0	14.1	150	34	19	12	42	19	1225	
Perth	Rannoch	1006	56	57	-	0	1	1	232	353	134	0	8.0	-	22	19	22	35	19	2115	
Fife	Leuchars	78	40	40	-	0	4	16	245	344	115	0	8.8	130	27	19	14	41	19	1310	
Midlothian	Edinburgh	485	39	23	-	0	1	2	90	370	258	0	5.7	180	23	11	21	38	11	2045	
6a Argyll	Tiree	89	60	47	9.19.20.	6	10	84	322	172	136	0	12.2	140	36	20	18	49	20	1715	
Bute	Millport	50	34	34	-	0	6	23	194	243	237	23	7.8	(060	26	19	04)	(36	19	0920)	
Renfrew	Paisley	188	81	31	-	0	0	0	25	423	272	0	4.6	260	13	1	02	26	12	2115	
	Renfrew	71	41	39	-	0	0	0	205	377	138	0	7.6	200	19	12	23	32	12	2220	
Ayr	Prestwick Airport	35	33	33	-	0	0	0	197	367	156	0	7.6	120	19	4	13	32	12	1955	
Dumfries	Eskdalemuir	825	50	35	-	0	0	0	102	225	393	0	4.6	200	21	12	20	36	12	1905	
ENGLAND AND WALES																					
6b Isle of Man	Point of Ayre	70	40	35	-	0	4	25	257	327	105	6	9.6	120	27	4	12	39	4	1135	
2 Durham	Durham	389	53	33	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	South Shields	73	57	44	-	0	2	14	171	410	125	0	7.8	130	25	19	18	33	19	1730	
Lincoln	Cranwell	288	47	47	-	0	0	0	143	306	250	21	6.1	210	21	5	17	36	5	1420	
3 Norfolk	Corleston	52	42	34	-	0	2	4	284	265	167	0	8.6	120	25	4	15	36	5	1355	
Suffolk	Mildenhall	98	83	60	-	0	0	0	122	425	173	0	6.9	220	20	5	13	14	5	1350	
	Felixstowe	85	75	65	-	0	1	1	318	307	94	0	9.4	120	22	4	12	33	4	1225	
Bedford	Cardington	226	133	133	-	0	5	20	303	298	99	0	9.8	210	29	5	13	48	5	1200	
Hertford	Rothamsted	461	41	33	-	0	0	0	36	530	154	0	5.8	220	14	5	13	33	5	1200	
	Stanstead Abbots	138	41	40	‡	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Essex	Coryton	66	57	48	-	0	0	0	113	532	74	1	7.4	(140	21	25	12)	38	5	1450	
	Shoeburyness	118	106	91	-	0	3	9	279	282	150	0	8.7	230	24	5	14	42	5	1400	
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	43	333	344	0	4.2	230	15	5	15	43	5	1445	
Warwick	Birmingham	643	118	73	-	0	0	0	85	550	85	0	6.7	220	20	5	15	37	5	1445	
Stafford	Keele	706	50	40	-	0	0	0	120	377	223	0	6.4	230	20	5	15	42	12	2045	
Gloucester	Avonmouth	92	61	33	-	0	6	15	155	254	247	49	7.2	200	27	20	24	43	25	1030	
5 London	Kingsway	231	160	40	-	0	0	0	79	549	92	0	7.1	210	19	5	16	39	5	1450	
Middlesex	London Airport	115	33	33	-	0	2	7	202	430	81	0	8.5	150	24	25	14	35	25	1030	
	Hampton	139	101	100	-	0	0	0	113	454	153	0	6.6	220	21	5	15	37	5	1440	
Surrey	Kew Observatory	92	75	50	-	0	1	2	155	454	109	0	7.6	180	22	5	15	42	5	1445	
	Gatwick	232	38	33	-	0	1	3	140	334	243	0	6.1	230	25	5	15	42	5	1410	
Kent	Isle of Grain	48	40	33	-	0	0	0	64	322	334	0	4.7	240	21	5	16	35	5	1620	
	Dungeness	70	50	33	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	
	Dover	68	38	62	-	0	0	0	183	407	130	0	7.5	170	20	21	04	37	5	1355	
Sussex	Thorney Island	75	65	42	-	0	0	0	73	301	346	0	4.9	180	16	21	02	32	5	1250	
Hampshire	Southampton (Eastleigh)	95	60	41	β	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Calshot	50	41	33	-	0	1	2	221	429	68	0	8.4	120	23	25	13	31	25	1330	
	S. Farnborough	318	69	35	-	0	0	0	17	221	482	0	3.2	230	15	5	15	35	25	1220	
Berkshire	Abingdon	295	40	40	-	0	1	1	158	303	258	0	6.3	150	22	25	13	44	25	1155	
Wiltshire	Larkhill	491	51	36	-	0	0	0	145	429	146	0	7.1	120	20	25	11	38	25	1020	
	Porton	406	44	44	-	0	0	0	138	314	268	0	6.1	220	21	5	15	39	25	1210	
7a Cumberland	Sellafield	83	39	35	-	0	5	22	310	327	61	0	10.4	120	27	19	13	39	4	1255	
	Spadeadam	959	51	40	-	0	1	3	274	345	98	0	9.1	090	23	4	16	33	13	0230	
Westmorland	Moor House	1980	50	45	-	0	7	31	160	242	287	0	7.2	210	28	13	01	44	13	0020	
Lancashire	Southport	59	41	33	-	0	0	0	199	311	203	7	7.3	230	21	5	16	40	5	1600	
	Speke	180	100	65	-	0	7	26	317	311	66	0	10.6	230	31	5	14	47	25	1330	
Cheshire	Bidston Observatory	262	64	39	‡	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Manchester Airport	318	70	30	-	0	1	2	217	398	103	0	8.4	220	23	5	14	36	13	1305	
7b Anglesey	Holyhead (Valley)	76	50	40	-	0	3	17	193	274	236	0	7.5	220	30	5	12	47	21	0125	
8a Cardigan	Aberporth	483	41	41	-	0															

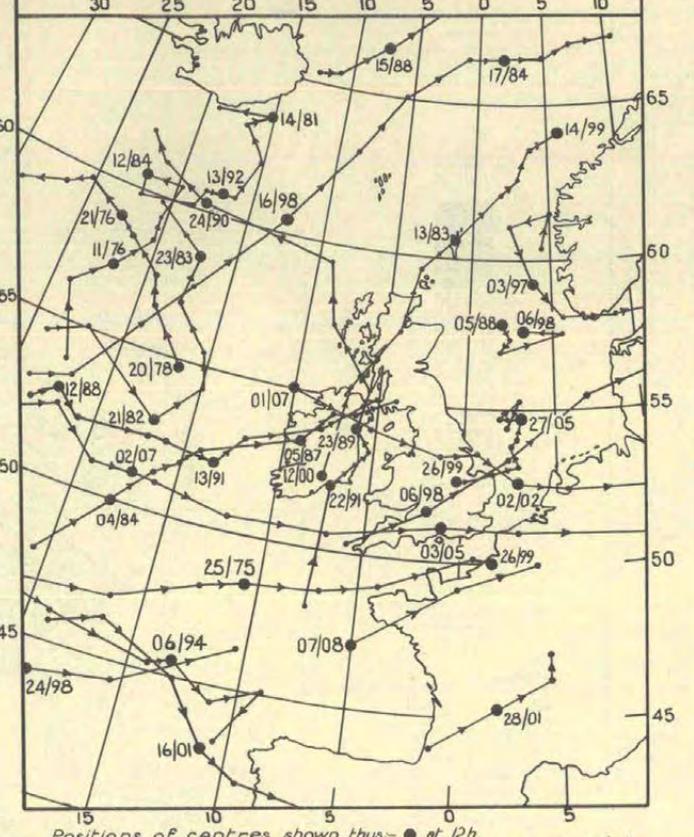
MONTHLY WEATHER CHARTS

APRIL 1961

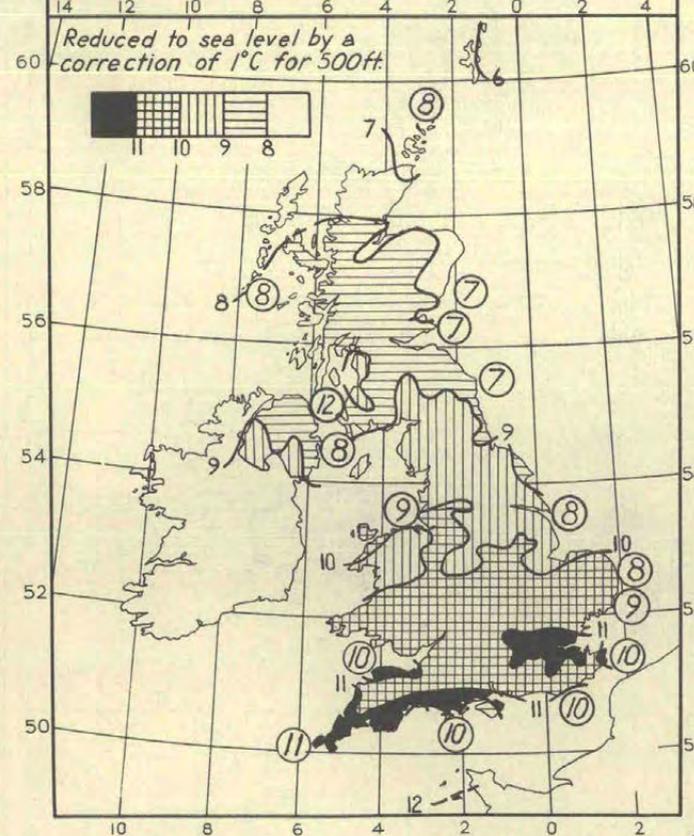
1. MEAN PRESSURE 9 A.M.



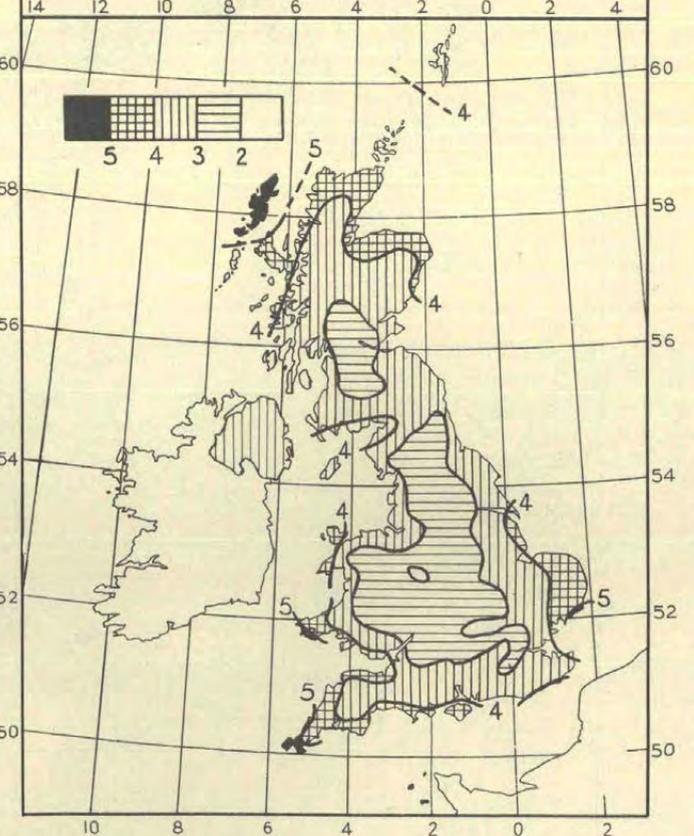
2. MOVEMENTS OF DEPRESSIONS



3. DISTRIBUTION OF MEAN TEMPERATURE



4. BRIGHT SUNSHINE, HOURS PER DAY



RAINFALL

APRIL 1961

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

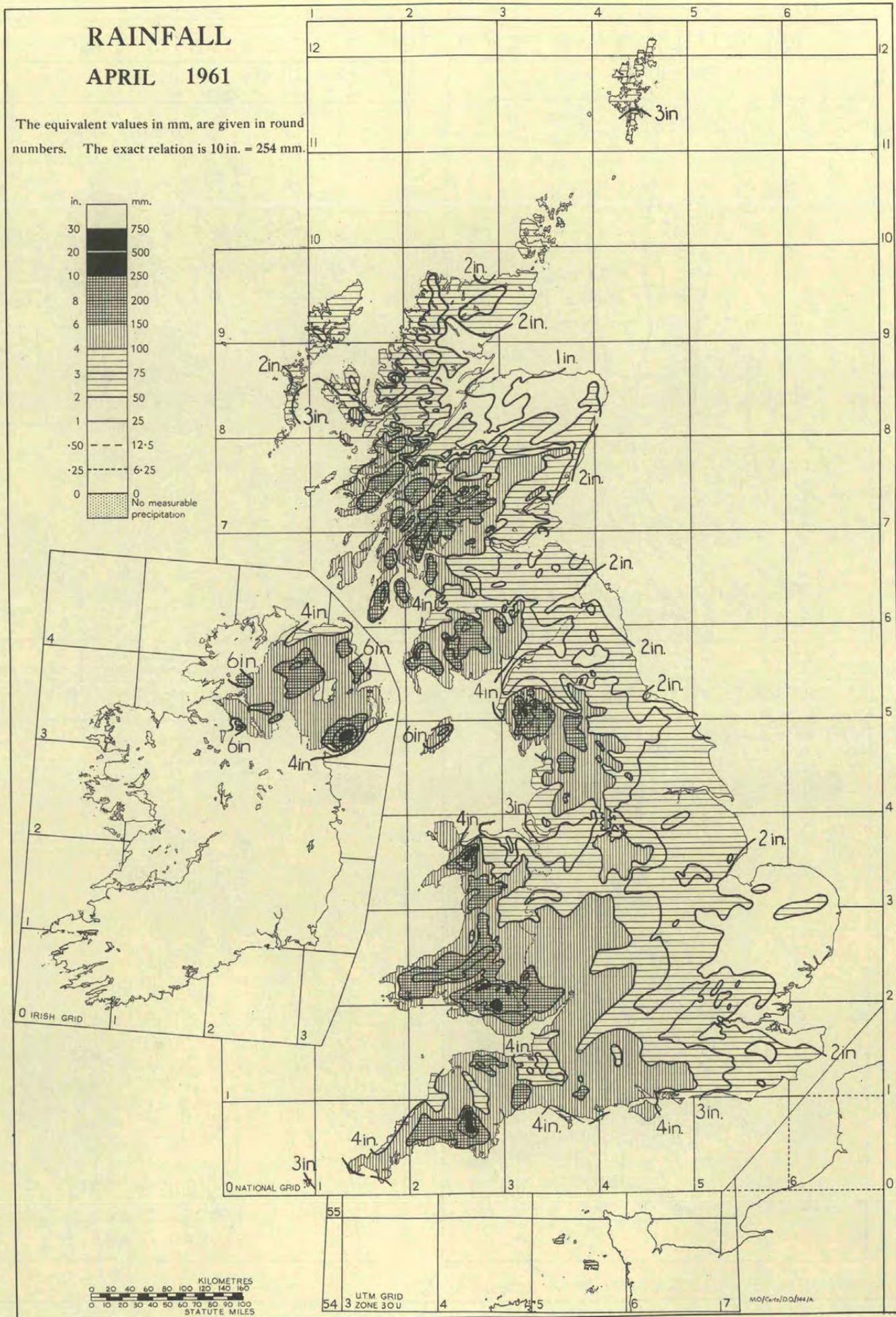
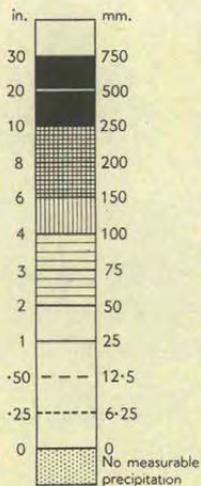


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C or less	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum	Date					Amount	Date															
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.		-0.1in. (0.2mm.) or more	-0.01in. (1.0mm.) or more											hr	%	
0 SCOTLAND, N.																															
Zetland	Lerwick Obs'y.	21-9	269	7.5	3.3	5.4	+0.1	11.2	12,29	-2.7	1	-	-	2.91	107	.90	12	17	12	7	2	2	5	0	2	6	11	0	3.85	87	
	Baltsound	9 9	78	8.1	3.5	5.8	-	12.2	29	-2.2	1,9	5.4	-	2.45	83	.68	12	19	15	5	2	2	3	0	2	6	1	3	3.48	-	
Orkney	Sule Skerry	9 9	43	8.7	5.5	7.1	-	11.0	12,25,30	-1.0	2	-	-	2.31	-	.64	12	18	12	1	0	0	0	0	0	1	1	0	0	0	
	Kirkwall (Grimsetter)	21-9	84	9.3	3.6	6.5	-	13.3	12	-1.7	-	-	-	2.27	87	.41	12	20	14	7	7	2	8	0	0	1	6	13	4.19	-	
Caithness	Dounreay	9 9	70	11.1	3.8	7.5	-	16.1	30	-2.2	4	-	-	2.12	-	.37	12	19	16	3	2	0	0	0	0	0	5	12	2	2	
	Halkirk (Olgrinbeg)	9 9	232	10.6	1.8	6.2	-	15.0	10,11,30	-5.6	4	-	-	2.37	-	.41	4	19	14	3	2	0	0	1	3	8	19	1	1		
	Wick	21-9	119	9.4	3.8	6.6	+0.5	14.2	24	-3.9	4	-	-	2.17	107	.39	4	17	13	4	1	0	5	0	4	5	11	0	4.80	101	
Sutherland	Cape Wrath	21-9	367	9.1	4.7	6.9	-	16.0	20	-2.0	2,3	-	-	2.76	91	1.03	12	21	17	5	1	2	0	1	0	4	5	11	0	0	
	Lairg (Achany)	9 9	240	12.1	2.7	7.4	-	17.2	12	-6.1	4	6.9	6.0	1.84	-	.32	12	22	13	4	1	2	0	0	0	0	8	18	0	0	
	Strathlyon	9 9	120	11.8	3.2	7.5	-	16.7	21,29	-5.6	4	-	-	2.29	92	.49	12	23	16	6	3	0	1	0	0	7	-	0	4.93	-	
Ross & Cromarty	Stornoway	21-9	11	10.4	4.4	7.4	+0.6	14.0	29	-2.7	3	-	-	2.52	108	.29	12	23	15	4	1	1	2	0	0	4	8	0	5.75	118	
	Balmacara	9 9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Achnashellach	9 9	220	12.2	4.0	8.1	+1.3	16.7	27	-5.6	7	-	-	2.91	52	.60	12	26	17	3	0	0	0	0	0	8	-	0	-	-	
	Kinlochewe	9 9	76	12.6	4.3	8.5	-	17.8	12	-3.9	4	-	-	3.12	-	1.09	12	22	17	2	1	0	0	0	0	8	12	0	3.36	-8	
	Garve (Blackbridge)	9 9	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Fortrose	9 9	15	10.6	2.8	6.7	-0.4	16.1	12	-3.3	3,4	-	-	.98	59	.24	12	14	8	1	0	0	0	0	7	-	0	4.24	91		
	Tarbatness	21-9	60	10.3	5.3	7.8	-	15.0	21	-2.0	4	-	-	.85	-	.24	4	11	7	0	0	0	0	0	1	1	2	0	0	0	
Inverness	Benbecula	21-9	19	10.6	4.6	7.6	-	13.4	28	-2.1	3	-	-	1.97	77	.35	23	18	13	3	0	0	2	0	0	6	10	0	4.98	-	
	Isle of Rhum	9 9	15	11.9	5.1	8.5	-	16.7	29	-2.8	4	9.2	8.3	5.02	-	.68	11	22	18	3	0	0	2	0	0	6	9	0	-	-	
	Prabost	9 9	220	11.6	4.9	8.3	-	16.7	29	-2.8	3	-	-	2.34	-	.59	12	20	13	2	0	0	3	0	0	3	11	0	4.83	-	
	Duntulm	9 9	294	10.8	5.1	7.9	-	15.0	27	-1.7	2,3	-	-	2.09	61	.54	12	17	13	3	0	0	0	0	1	3	8	1	5.33	-	
	Onich	9 9	48	12.0	5.2	8.6	+1.2	17.2	27	-3.9	3	-	-	4.45	93	.95	12	22	22	-	-	-	-	-	5	9	-	3.72	938		
	Fort William (Camaghael)	9 9	27	12.6	4.8	8.7	-	17.2	18,27	-3.9	3,4	8.6	7.9	2.61	-	.53	12	21	13	1	0	0	3	0	0	5	8	0	3.56	-	
	Fort Augustus	9 9	70	11.8	4.2	8.0	+1.1	16.7	12,16	-4.4	4	-	-	1.12	-	.21	26	20	9	1	0	0	0	1	1	0	6	0	3.56	-	
	Cannich	9 9	350	11.7	1.6	6.7	-	16.1	12	-7.8	4	-	-	2.08	71	.75	12	18	10	3	1	0	0	0	0	11	15	0	-	-	
	Dalwhinnie	18-9	1176	10.0	2.5	6.3	-	15.3	29	-8.5	4	-	-	2.61	86	.39	12	17	15	4	2	0	0	0	0	7	13	0	3.21	-	
	Inverness	9 9	13	11.8	4.6	8.2	-	17.2	12	-3.3	4	-	-	.88	-	.23	12	11	9	0	0	0	0	0	0	5	8	0	4.29	-	
	Achnagoichan	9 9	1000	11.6	2.4	7.0	-	15.6	12,29	-8.3	4	6.0	-	.73	-	.17	13	12	9	-	-	-	-	-	8	14	0	-	-		
	Glenmore Lodge	9 9	1120	10.9	1.7	6.3	-	15.5	29	-9.4	4	-	-	1.04	-	.17	13	19	9	5	1	0	0	0	0	11	19	0	4.15	-	
1 SCOTLAND, E.																															
Nairn	Nairn	9 9	20	11.8	3.6	7.7	+0.6	17.8	20	-5.6	4	-	-	.85	53	.11	27	19	10	3	0	0	0	0	1	6	15	0	4.70	103	
	Grantown-on-Spey	9 9	720	12.4	1.6	7.0	-	16.7	12,29	-7.8	4	-	-	.94	-	.20	29	15	10	-	0	0	0	0	0	10	17	0	-	-	
	Forres	9 9	155	12.2	3.8	8.0	-	17.8	20	-3.9	4	8.2	7.1	.58	37	.12	4	15	6	2	0	0	0	0	0	0	6	9	0	4.49	-
	Kinloss	21-9	15	12.0	3.9	7.9	-	17.8	20	-6.4	4	-	-	.70	-	.13	4	13	6	4	0	0	4	0	0	0	4	13	0	4.74	-
	Elgin	9 9	92	12.5	4.7	8.6	-	17.2	11	-3.9	4	-	-	.92	-	.26	13	15	7	1	0	0	0	0	0	5	6	0	4.77	-	
	Lossiemouth	9 9	21	11.8	3.4	7.6	-	17.2	16	-5.0	2,4	-	-	.90	-	.16	8	15	8	2	0	1	0	0	0	7	7	0	-	-	
	Gordon Castle	9 9	104	12.2	3.5	7.9	+0.8	17.2	11	-3.3	4	-	-	1.03	56	.21	13	13	7	-	0	0	0	0	0	6	-	0	4.39	98	
Banff	Glenlivet	9 9	1085	10.8	2.5	6.7	-	16.0	12	-10.2	4	5.2	-	.73	28	.13	12	21	7	6	2	0	0	0	2	10	13	0	3.51	-	
Aberdeen	Braemar	9 9	1113	9.9	2.4	6.1	+1.1	15.0	29	-8.9	4	-	-	2.02	90	.30	5	21	13	-	2	0	0	0	0	8	12	0	3.20	-8	
	Balmoral	9 9	927	10.1	2.4	6.3	+1.2	14.4	16	-8.3	4	-	-	2.25	100	.38	23	23	12	4	1	0	0	0	0	8	11	0	-	-	
	Logie Coldstone	9 9	608	11.3	2.6	6.9	+0.8	16.7	12	-7.8	4	-	-	1.97	-	.35	23	24	12	-	0	0	0	0	0	9	-	0	-	-	
	Huntly	9 9	405	11.3	3.7	7.5	-	16.5	12	-4.6	4	-	-	1.35	-	.31	13	18	11	3	0	0	0	1	2	6	9	0	-	-	
	Fyvie Castle	9 9	218	11.1	3.5	7.3	-	16.7	11,24	-2.2	3,7,8	-	-	1.96	-	.40	4	17	13	-	0	0	0	0	5	11	-	3.58	-		
	Craibstone	9 9	300	10.2	3.9	7.1	+0.9	16.1	11	-3.3	4	7.0	6.3	2.58	117	.43	19	19	10	2	0	0	3	1	3	4	7	0	3.83	80	
	Dyce	21-9	190	10.6	3.5	7.1	-	16.7	11	-5.2	4	-	-	2.43	106	.45	19	17	11	3	0	1	4	1	2	5	8	0	3.69	-	
	Aberdeen	9 9	170	10.4	4.1	7.3	-	16.1	11,13	-3.9	4	-	-	1.98	90	.28	12	14	11	4	0	2	0	1	2	6	7	0	3.85	-	
	Udny	9 9	363	10.2	3.9	7.1	-	16.1	13	-3.3	4	-	-	2.62	-	.45	4	17	11	3	0	1	0	1	4	4	12	0	4.03	-	
	Ratray Head	21-9	85	9.3	4.6	6.9	-	15.0	24	-1.0	2	-	-	1.92	107	.38	4	16	12	3	0</										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation		AIR TEMPERATURE IN DEGREES CELSIUS						EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE							
	Max. Min.	Height of Station above Mean Sea Level	Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average				
			A Max.	B Min.		Maximum	Date	Minimum	Date					Amount	Date	-0.1in. (0.2mm.) or more	-0.01in. (1.0mm.) or more															
	G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.														hr	%				
1 SCOTLAND, E.—cont.																																
Midlothian cont.	Penicik ...	9 9	620	11.2	3.7	7.5	-	16.1	16	-5.6	4	7.9	-	2.40	-	1.04	5	16	12	2	0	0	0	0	0	0	0	0	0	3.20	-S	
	Bush House ...	9 9	605	10.8	4.1	7.5	-	16.7	16	-5.0	4	7.6	6.6	2.36	-	.96	5	21	12	1	0	0	0	0	0	0	0	0	2.80	-S		
	Edinburgh—																															
	Blackford Hill ¶§	9 9	441	11.2	5.3	8.3	+1.4	16.7	16	-2.2	3	-	-	2.19	135	1.06	5	17	9	1	0	0	0	0	0	2	2	5	0	3.10	67	
	Liberton ...	9 9	200	11.9	5.0	8.5	-	17.2	16	-3.3	4	-	-	2.30	-	1.05	5	14	9	2	0	0	1	0	0	0	2	2	3	0	3.23	-
	Botanic Garden ...	9 9	74	11.8	4.8	8.3	-	17.2	11,16,20	-3.3	3,4	8.2	-	2.15	-	.88	5	16	13	1	0	0	0	0	0	2	4	11	0	3.15	-	
E. Lothian	Haddington ...	9 9	162	11.9	4.2	8.1	-	16.7	11,16	-3.9	4	-	-	2.11	-	.86	5	17	12	0	0	0	0	0	0	0	3	4	6	0	2.90	-
	North Berwick ...	9 9	51	11.8	5.3	8.5	+1.1	16.1	16,20	-2.2	3	-	-	1.75	121	.62	5	16	10	0	0	0	0	0	0	0	2	4	0	3.33	69	
	Dunbar ...	9 9	75	11.3	5.6	8.5	-	17.8	16	-1.1	3	-	-	2.45	-	.83	5	18	12	0	0	0	0	0	0	0	2	4	0	3.38	-	
Berwick	Marchmont ¶§	9 9	498	11.4	4.0	7.7	+1.1	16.7	16	-3.9	3	-	-	2.44	130	.59	5	22	14	2	0	0	0	0	0	0	4	4	0	3.40	77S	
	St. Abb's Head ...	9 9	245	8.9	6.0	7.5	-	15.5	11	0.0	3	-	-	2.55	-	.38	5	21	15	2	0	0	0	0	1	4	1	4	0	-	-	
Peebles	Broughton ...	9 9	741	11.3	4.1	7.7	-	16.1	16	-6.7	4	-	-	2.69	-	.49	5	17	14	2	0	0	0	0	0	0	4	5	10	0	-	-
	Blyth Bridge ...	9 9	830	10.7	4.0	7.3	-	15.6	16	-5.6	4	-	-	2.47	-	.77	5	18	14	2	0	0	0	0	0	0	4	11	0	3.13	-	
	West Linton ...	9 9	800	10.6	3.7	7.1	-	15.6	16	-5.6	4	7.6	6.7	2.33	-	.79	5	21	14	1	0	0	0	0	0	0	0	5	7	0	-	-
	Peebles ...	9 9	645	11.1	3.4	7.3	-	(16.1)	16	-5.6	4	-	-	1.92	-	.43	5	18	13	1	0	0	0	0	0	0	0	6	9	0	2.32	-
	Peebles (Gentress) ...	9 9	580	11.6	3.9	7.7	-	17.2	16	-6.1	4	-	-	2.06	-	.51	5	18	14	2	0	0	0	0	0	0	3	-	0	-	-	
Selkirk	Selkirk (Rowhill) ...	9 9	600	11.7	3.7	7.7	-	17.2	16	-5.6	4	-	-	2.36	-	.42	5	20	15	1	1	0	2	0	0	4	5	10	0	-	-	
Roxburgh	Hawick (Wauchope) ...	9 9	560	11.7	3.8	7.7	-	16.1	16,17	-6.1	3	-	-	2.24	-	.47	12	20	11	-	0	-	-	-	-	0	3	-	-	-		
	Sourhope ...	9 9	900	11.0	3.8	7.4	-	16.7	11,16	-5.0	3	-	-	1.81	-	.39	5	19	11	2	0	0	0	0	0	2	5	10	0	3.30	-	
6a SCOTLAND, W.																																
Argyll	Tiree ¶§	21-9	29	10.8	6.0	8.4	+0.8	14.4	28	-0.8	4	-	-	3.34	128	.81	12	20	13	4	0	0	3	0	1	2	7	0	4.37	75		
	Rhuvaal ...	21-9	65	10.7	6.2	8.5	-	15.2	16	-0.2	4	-	-	5.10	-	1.15	12	20	18	0	0	1	0	1	0	1	0	1	4	2	-	-
	Colonsay ...	9 9	87	11.2	5.3	8.3	-	15.0	29	-2.8	4	-	-	4.38	145	.97	12	23	18	2	-	1	0	0	0	0	3	-	0	-	-	
	Campbeltown ...	9 9	10	11.2	5.7	8.5	-	13.9	15,16,30	0.0	7	-	-	6.27	-	.76	9	17	15	-	-	-	-	-	-	-	-	-	3.39	-		
	Tarbert (Achaglachgach) ¶§	9 9	40	11.6	4.6	8.1	-	16.1	16,23,30	-5.0	3	-	-	6.92	-	1.58	19	22	19	1	0	1	0	0	0	0	0	6	8	0	-	-
	Oban ...	9 9	229	11.7	5.3	8.5	-	15.6	18,27	-1.1	4	-	-	4.10	124	.81	12	22	17	4	0	0	0	0	0	0	3	7	0	3.72	80	
	Lepholmore ...	9 9	30	12.3	4.7	8.5	-	16.7	27	-2.8	3	-	-	5.25	-	.87	20	22	19	0	0	0	0	0	1	4	7	0	3.48	-		
	Glenbranter ...	9 9	120	11.7	4.0	7.9	+0.7	16.1	27	-5.0	3	-	-	7.68	129	2.01	19	19	17	-	-	-	-	-	0	7	-	-	-	-		
	Benmore (Forestry Sch.) ¶§	9 9	46	11.8	3.9	7.9	-	16.1	27	-4.4	4	8.4	7.7	8.50	152	2.07	19	24	19	0	0	0	0	2	2	6	11	0	-	-		
	Benmore (Younger Bot. Gdn.) ¶§	9 9	40	11.9	4.8	8.3	-	16.7	16,27	-3.3	3,4	-	-	8.50	-	2.08	20	23	18	2	0	0	1	1	1	4	11	0	-	-		
Bute	Lochranna ...	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Rothesay ¶§	9 9	150	11.4	5.6	8.5	+1.1	15.6	16,27	-1.7	3	8.0	7.5	5.58	170	1.30	20	24	19	1	0	0	0	0	1	2	7	0	3.91	82		
	Millport ...	9 9	16	11.3	6.3	8.8	-	15.0	29	-1.1	3	-	-	4.42	168	1.05	20	20	17	0	0	0	0	0	0	2	-	0	-	-		
Dunbarton	Helensburgh ...	9 9	293	11.5	4.8	8.1	+0.9	16.1	16	-2.8	3,4	-	-	4.92	150	.83	19	20	18	1	0	0	0	1	0	3	-	0	3.31	75S		
	Stirling ...	9 9	151	11.4	5.1	8.3	+0.6	16.7	17	-3.3	3	8.1	7.2	4.27	197	.91	5	19	17	2	0	1	0	1	1	3	5	0	-	-		
	Falkirk ...	9 9	100	12.3	4.8	8.5	-	15.6	10,16,20	-3.3	3,4	-	-	3.40	-	1.07	5	24	19	-	-	-	-	4	4	-	-	-	-			
Renfrew	Greenock ...	9 9	200	11.7	5.7	8.7	+1.1	15.6	16,27	-1.7	3	-	-	5.38	152	.98	5,19	24	15	2	0	0	0	1	2	2	4	0	3.69	-		
	Paisley ...	9 9	108	12.4	5.8	9.1	+1.1	16.1	16	-1.7	3	8.9	8.3	3.77	152	1.04	5	22	18	0	0	0	0	1	5	3	5	0	3.22	72		
	Barrhead ...	9 9	97	11.8	4.8	8.3	-	15.0	16	-3.9	4	-	-	3.60	-	1.39	5	22	14	1	0	1	0	1	0	3	7	0	-	-		
	Renfrew ¶§	21-9	26	12.1	5.3	8.7	+1.3	15.0	12,16,27	-3.9	3	-	-	3.33	144	.88	5	22	16	1	0	1	0	1	1	3	7	0	2.81	63		
Lanark	Thorntonhall ...	9 9	453	11.1	4.7	7.9	-	15.0	16	-4.4	3	-	-	3.29	-	1.33	5	21	15	1	0	1	0	0	-	3	9	0	2.94	-		
	Glasgow, Spr. Pk. ...	9 9	351	11.7	4.7	8.2	-	15.6	19	-3.3	3	-	-	3.31	143	.72	5	23	18	2	0	1	1	0	0	3	7	0	2.58	-		
	Coatbridge ...	9 9	256	11.9	5.1	8.5	-	15.6	16	-3.3	3	-	-	3.01	-	1.30	5	20	16	0	0	0	0	0	0	3	-	0	-	-		
	Coalburn (Midtown) ...	9 9	707	11.0	3.7	7.3	-	15.2	16	-6.0	4	7.7	-	2.89	-	.67	4	23	20	1	0	0	0	0	1	4	6	0	2.95	-		
	Lowther Hill ...	9 9	2377	6.7	1.4	4.1	-	12.0	30	-7.0	3	-	-	-	-	-	-	-	4	-	0	0	0	0	19	9	-	3	1.77			
	Leadhills ...	9 9	1270	10.1	3.2	6.7	-	15.0	16	-7.2	3	-	-	5.63	-	.86	12	21	17	2	0	0	0	0	0	5	8	0	-	-		
	Carnwath ...	9 9	706	10.9	-	-	-	15.6	16	-	-	-	-	1.94	-	.79	5	19	13	1	0	0										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. (°C. or less)	Code	Daily Mean	Percentage of Average		
			A	B			Maximum	Date	Minimum	Date					Amount	Date	<0 in. (0-2mm.) or more	>0 in. (1-0mm.) or more													
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																
4 MIDLAND COUNTIES—cont.																															
Yorks.,	Ilkley	99	315	13.1	5.2	9.1	+1.5	18.3	11	-1.7	8	-	-	4.27	166	.75	1	17	17	4	0	0	0	0	2	2	2	0	2.82	64	
W. Riding—	Sheffield	99	429	13.1	6.0	9.5	+1.4	17.8	16	0.6	5	8.7	7.8	3.31	158	.58	4	20	15	1	0	0	0	3	2	0	7	0	2.85	-	
cont.	Wakefield	99	121	13.3	5.5	9.4	+1.0	18.9	11	0.0	5,8	8.7	7.9	2.98	165	.48	1	17	13	1	0	0	0	1	5	2	10	0	-	-	
	Killinghall	99	365	12.4	-	-	-	16.7	11,16	-	-	8.1	-	3.63	-	.68	1	18	17	-	0	0	0	-	-	11	0	2.65	-		
	Pontefract	99	255	12.2	5.5	8.9	+1.1	18.3	16	0.0	4,5	-	-	2.71	162	.40	25	21	15	1	0	0	0	2	8	2	4	0	-	-	
	Bramham	99	177	12.3	4.9	8.6	-	16.7	16,17	-0.5	5,8	-	-	2.92	-	.55	4	19	17	1	0	0	0	3	3	4	7	0	2.81	-	
	Cawood	99	20	13.1	5.3	9.2	-	17.8	16	-0.5	8	9.3	8.2	2.42	142	.45	4	17	14	1	0	0	0	1	3	3	4	0	2.73	-	
	Askham Bryan	99	110	12.9	5.4	9.1	-	18.3	16	-0.5	8	-	-	3.11	171	.49	4	19	16	0	0	0	0	0	0	0	0	4	0	2.82	-
Derby	Buxton	99	1007	11.1	4.5	7.8	+1.5	15.0	16,18	-0.5	3	7.9	7.1	4.58	137	.76	19	20	16	1	0	1	0	1	6	3	7	0	-	-	
	Chapel en le Frith	99	728	12.7	4.8	8.7	-	16.1	11,16	-1.1	4	-	-	3.51	-	.65	19	20	15	1	1	2	0	1	3	3	11	0	-	-	
	Wirksworth	99	565	12.8	5.6	9.2	-	16.7	16,18	0.6	3,4,5	-	-	4.72	-	.70	26	22	17	1	1	1	0	2	5	0	4	0	-	-	
	Mackworth	99	293	13.4	5.3	9.3	-	17.2	16,18	0.0	3,5,11	-	-	4.13	-	.67	13	23	16	1	1	0	1	2	3	3	7	0	-	-	
	Belper	99	203	14.0	4.3	9.1	+1.0	17.8	18	0.0	3	-	-	3.33	170	.54	25	21	15	1	0	0	0	1	-	1	-	0	-	-	
	Derby	99	159	13.9	5.9	9.9	-	18.3	16,18	0.6	3,4,5	-	-	2.92	-	.49	4	21	15	1	0	0	0	0	1	0	0	0	2.25	-	
	Morley	99	350	13.1	5.5	9.3	-	16.7	16,18	0.0	3,5	-	-	3.21	-	.55	4	21	15	1	1	0	0	3	-	2	6	0	2.21	-	
	Chesterfield	99	298	13.2	5.1	9.1	-	17.2	16	0.0	5	-	-	2.71	-	.50	4	21	17	1	0	0	0	0	1	1	-	0	-	-	
Nottingham	Stutton Bonington	99	157	13.9	5.8	9.8	+1.6	17.2	18	0.0	3	9.1	8.4	2.93	174	.51	6	20	13	1	0	0	0	1	1	10	0	2.57	55		
	Watnall	21-9	385	13.5	5.9	9.6	-	18.6	18	0.2	4	-	-	3.21	166	.53	4	19	13	1	0	2	0	2	5	0	8	0	2.38	-	
	Mansfield	99	362	13.3	5.9	9.6	+1.7	17.8	18	0.6	5	9.2	-	4.11	207	.70	26	22	16	1	0	0	0	3	6	0	5	0	-	-	
	Nottingham *§	99	192	14.0	6.6	10.3	+1.9	18.3	18	0.6	5	9.6	8.1	2.74	153	.45	6	16	13	1	-	0	0	1	1	0	3	0	2.57	60	
	Warsop (Gleadthorpe)	99	150	13.3	4.8	9.0	-	17.2	16	0.3	3,5,25	-	-	3.27	206	.45	4	22	15	1	0	0	0	3	4	0	11	0	2.91	-	
	Finningley	21-9	34	13.6	6.2	9.9	-	17.7	15	0.4	4	-	-	2.61	-	.35	4	18	14	1	0	0	0	3	4	0	1	0	2.90	-	
	Langar	21-9	106	14.1	6.3	10.2	-	17.9	18	1.1	4	-	-	2.59	-	.49	6	18	13	1	0	0	2	1	1	0	4	0	-	-	
Leicester	Newtown Linford	99	388	13.5	5.4	9.4	-	17.2	16,18	-1.1	3	-	-	3.14	-	.69	6	21	14	1	0	0	0	2	0	1	5	0	2.72	-	
	Leicester (Towers)	99	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Caldecott	99	175	14.4	4.9	9.6	-	17.8	18	-1.1	3	-	-	2.03	-	.38	25	17	13	-	0	-	-	-	1	5	5	0	3.08	-	
Northampton	Wellingborough	99	298	14.3	5.8	10.0	-	17.8	12,18	1.7	3	-	-	2.21	-	.36	25	19	14	0	0	0	0	0	0	0	7	0	-	-	
	Raunds	99	193	14.4	5.2	9.8	-	17.8	13,18,21	0.6	3	10.3	8.3	2.11	122	.32	25	16	14	0	0	0	0	2	0	0	6	0	-	-	
	Wittering	21-9	216	13.8	6.2	10.0	-	17.4	13	1.3	3	-	-	2.23	-	.34	4	21	14	1	0	1	0	1	1	0	6	0	3.55	-	
Warwick	Birmingham K.E.S.	99	450	12.9	6.7	9.8	-	16.7	16,18	2.2	4	-	-	4.59	-	.93	25	21	17	0	0	0	0	0	0	0	0	0	-	-	
	Birmingham *§	21-9	536	12.8	7.0	9.9	+1.7	16.9	18	2.2	4	8.6	8.5	4.92	214	.93	25	22	19	1	0	0	0	3	1	0	2	0	2.17	49	
	Luddington	99	138	14.2	6.4	10.3	-	17.8	16,18	0.6	4	-	-	3.55	197	.61	25	19	16	0	0	0	1	0	0	0	2	0	2.83	-	
	Stratford on Avon	99	160	14.3	6.1	10.2	-	17.8	16,18	0.0	4	10.5	-	3.64	-	.56	25	20	16	0	0	0	0	0	0	1	3	0	3.00	-	
	Birmingham Airport*	21-9	319	13.6	5.9	9.7	-	16.8	18	-1.0	3	-	-	4.15	209	.65	25	19	14	0	0	0	0	2	1	1	4	0	2.62	-	
	Shipston on Stour	99	365	13.5	6.3	9.9	-	17.2	18	1.1	15	9.3	-	3.99	-	.63	25	21	16	0	0	0	0	0	2	0	7	0	2.63	-8	
	Wellesbourne	99	153	14.1	6.1	10.1	-	17.8	18	0.6	3,4	10.1	-	3.17	167	.53	5	20	16	0	0	1	0	2	1	0	5	0	2.86	-	
	Moreton Morrell...	99	280	14.2	5.8	10.0	-	17.2	16,18	0.0	6	-	-	3.10	-	.50	5	22	15	0	0	1	0	1	6	1	11	0	2.87	-	
	Coventry...	99	338	14.3	6.4	10.3	+1.8	20.6	11	1.1	4	9.4	8.0	3.77	187	.54	5	21	15	0	0	0	0	1	0	0	0	2	0	2.20	498
	Rugby	99	385	13.6	6.2	9.9	-	16.7	17,18,19	1.1	3,4	9.9	9.1	3.09	-	.50	4	21	15	0	0	1	0	1	-	0	2	0	-	-	
Oxford	Oxford *§	99	208	14.4	7.0	10.7	+1.8	17.8	18	3.3	4	10.8	9.6	2.98	157	.46	10,25	21	16	0	0	1	0	1	2	0	1	0	2.90	58	
Buckingham	Aylesbury	99	316	14.2	6.2	10.2	-	17.2	11,15	2.2	4,16	-	-	2.96	-	.56	25	19	16	0	0	1	0	2	2	0	11	0	3.18	-	
Stafford	Keele	99	587	12.3	5.4	8.7	-	16.1	16,17,18	0.0	3,4,5	8.7	7.7	3.09	153	.63	25	22	16	1	1	0	1	2	2	3	4	0	2.57	-8	
	Oaken	99	409	13.2	5.3	9.3	+1.7	17.2	18	-1.1	3	9.2	-	4.60	-	.76	25	18	17	-	-	-	-	-	-	11	-	-	-		
	Wheaton Aston	99	365	13.2	5.6	9.4	-	17.2	18	-0.5	3	9.3	-	3.99	-	.70	25	16	16	0	0	0	0	0	5	3	6	0	1.81	-	
	Stone	99	350	12.8	5.2	9.0	-	17.2	17,18	2.2	3	-	-	3.58	-	.52	25	22	15	1	0	0	0	0	2	3	8	0	2.36	-	
	Penkridge	99	330	12.6	-	-	-	16.7	16,18	-1.1	4	-	-	4.39	-	.69	25	16	13	0	0	0	0	0	0	2	8	0	-	-	
	Onecote	99	1350	10.2																											

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

Volume 78 Number 5

Published by HER MAJESTY'S STATIONERY OFFICE



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May 1961 — *Dry; damaging late frosts*

The first week was unsettled but thereafter weather was generally anticyclonic with pressure high over or near the British Isles from the 9th to the 17th, and to the north-west of the country during most of the latter half of the month.

For the most of the first week a complex depression was situated to the north-west of the British Isles and troughs and secondaries moved across the country in an unstable south-westerly airstream. A generally dull day on the 1st, with frontal rain in most areas, was followed by two brighter but showery days; there were fairly frequent thunderstorms on the 2nd. Thunderstorms were renewed on the 4th in the Midlands and eastern England as a wave depression, which formed south of Ireland during the afternoon, moved north-east to reach the northern North Sea the following morning. Rain was heavy over much of England and Wales, and at many places it was the wettest day of the month with over 1 inch in 24 hours. The 5th was fine and sunny nearly everywhere, but a deepening depression moving rapidly across the Atlantic became situated off north-west Scotland on the 6th and an associated trough brought further rain to most districts of the British Isles on that day. The depression moved slowly eastwards, skirting the north coast of Scotland, to southern Norway during the next two days; a ridge of high pressure formed behind it to the west of Ireland. Winds freshened, slowly veering from west to north-west, and reached gale force in many places, especially in the north, on the 8th. Showers were frequent with local thunder on the 7th but shower activity decreased markedly on the 8th and there was over 12 hours of sunshine in parts of eastern England.

An anticyclone in the South-west Approaches intensified and moved northward becoming centred over Ireland on the 9th, pressure in the neighbourhood of the British Isles subsequently remaining high until about the 17th. Weather became fine and dry nearly everywhere and this proved to be the beginning of a spell without measurable rain which lasted over most of the country for more than two weeks. Temperature rose progressively during the next few days; the 12th and 13th were the warmest days of the month with afternoon temperatures exceeding 23°C at many places.

On the 13th the anticyclone drifted southward into France and cloudy weather, associated with a weak trough, moved into northern Scotland. The next day there were many cloudy periods, especially in eastern coastal areas, but in the south-west many places had 12 to 13 hours of sunshine daily from the 10th to the 14th.

By the 15th the centre of highest pressure had been transferred to the north of the British Isles. With winds from between east and north, weather became generally cooler during the third week of the month. Ground frost was widespread on the morning of the 17th and 18th. Westerly winds, associated with a deep depression moving eastwards from Iceland, set in over Scotland on the 23rd but this was only a temporary backing ahead of an outburst of Arctic air which spread over the whole country on the 24th and 25th. The northerly winds brought snow and hail showers to Scotland on the 26th and 27th. Ground frost was widespread again on the mornings of the 27th and 28th with air frost in several areas particularly in central and southern England where severe damage was done to crops in many places.

Weather was dull on the 29th with rain in many places as a depression moved southward off the west of Ireland. During the last

two days of the month it became somewhat milder as winds changed to south-east and on the 31st wet weather began to spread westwards from the North Sea over the country.

Pressure and Wind — Mean pressure was above the average everywhere the excess at 9h ranging from 0.3 mb at Lerwick to 2.9 mb at Plymouth. Surface winds were predominantly south-westerly until the 6th, westerly on the 7th and 8th, light and variable on the 9th-14th and mainly between east and north on the 15th-21st, after which they became variable or northerly until the 29th and mainly easterly during the last two days of the month. Winds reached gale force on five days in Scotland and on six days (2nd, 3rd, 6th-9th) in England and Wales. Gales were fairly widespread on the 8th with gusts reaching 54 kt and 59 kt at Tiree and Durham respectively.

Temperature — Mean temperature was close to the 1921-50 average in all districts, the deviation being -0.2°C in England and Wales, +0.3°C in Scotland and 0.0°C in Northern Ireland. The latter part of the month was rather cold particularly in eastern Britain with easterly and northerly winds. Air-frost was widespread on the 27th and 28th.

Extremes included: (England and Wales) 24.4°C at Llandrindod Wells on the 13th, -6.7°C at Santon Downham on the 31st; (Scotland) 23.3°C at Loch Tay on the 21st, -5.8°C at Glenlivet on the 27th; (Northern Ireland) 22.8°C at Lislip Forest on the 13th, 0.0°C at Loughgall and Lislip Forest on the 28th.

Precipitation — The notable feature of the month was the dry weather which persisted after an opening wet week. The general rainfall expressed as a percentage of the 1916-50 average was 64 over England and Wales, 71 over Scotland and 103 over Northern Ireland. Most of the month's rain fell during the first eight days, virtually the whole of Britain being without measurable rain from the 9th to the 24th. Less than 25 per cent of the average occurred in the Exeter, Huntingdonshire and Bedford areas while more than 150 per cent of the average was recorded locally in the southern Antrim mountains.

Snow or sleet was reported here and there in Scotland on nine days (6th-9th, 24th-27th and 29th), and ground was snow-covered for a time at Balmoral, on the 26th. There were sleet showers over high ground in North Wales on the 27th.

Thunder was reported on six days in Scotland and on nine days (2nd, 5th, 7th, 9th, 11th, 28th and 29th) in England and Wales. Thunderstorms were widespread on the 2nd and 4th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 111 in England and Wales, 106 in Scotland and 98 in Northern Ireland. In parts of Cornwall sunshine was more than 130 per cent of the average and at Newquay it was the sunniest May since 1948.

Fog — In Scotland early morning fog was reported at one place or another on 7 days and in England and Wales on the 1st, 4th, 5th, 10th, 14th and 20th (6 days).

Miscellaneous Phenomena — The aurora was visible in Scotland on 10 nights; it was seen as far south as Hurn on the night of the 8th/9th.

TABLE I—DISTRICT VALUES— MAY 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	
			Max.	Min.	Mean						
0 SCOTLAND, N.	20.6	-4.5	+0.4	-0.3	+0.1	—	—	76	-5	107	
Eastern											
1 SCOTLAND, E.	23.3	-5.8	+0.3	+0.3	+0.3	—	—	39	-5	109	
2 ENGLAND, N.E.	23.9	-3.3	-0.6	+0.4	-0.1	+0.7	+0.8	80	-4	105	
3 ENGLAND, E.	23.9	-6.7	-0.4	-0.1	-0.2	+0.6	+1.0	70	-2	113	
4 MIDLAND COUNTIES	23.9	-2.2	-0.7	+0.1	-0.3	+1.1	+1.4	51	-5	109	
5 ENGLAND, S.E.	25.0	-2.8	-0.3	-0.2	-0.3	+0.7	+1.5	54	-4	114	
Western											
6 SCOTLAND, W.	21.7	-3.0	+0.2	+0.6	+0.4	+1.2	+0.8	68	-4	102	
7 ENGLAND, N.W. (and N. Wales)	23.9	-5.0	-0.5	+0.1	-0.2	+0.3	+0.9	86	-6	106	
8 ENGLAND, S.W. (and S. Wales)	24.4	-2.8	+0.3	-0.3	0.0	+1.1	+1.5	50	-6	119	
NORTHERN IRELAND	22.8	0.0	-0.2	+0.4	0.0	-	-	98	-3	98	

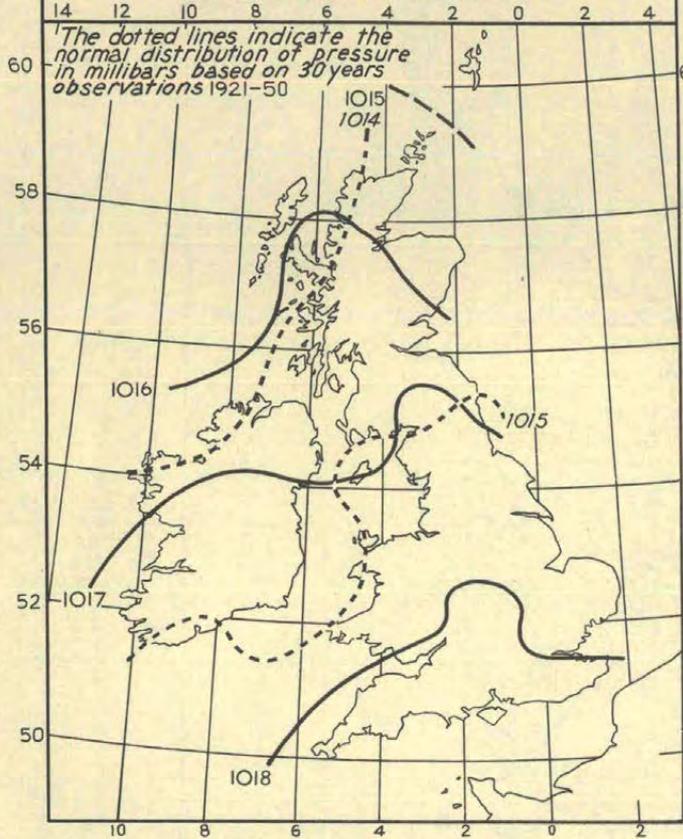
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— MAY 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed								Mean Hourly Wind Speed	Highest Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		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	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time			
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots		°	knots	day hr.	knots	day	h.m.		
SCOTLAND																				
0 Zetland	Lerwick	310	53	37	-	0	7	54	519	160	11	0	14.0	270	31	23	23	48	23	2300
Orkney	Kirkwall (Grimsetter)	135	51	33	-	0	3	25	401	275	43	0	11.5	290	29	24	13	42	23	1910
Caithness	Dounreay	110	39	30	-	0	2	5	317	388	32	2	10.0	170	22	6	13	39	24	1020
	Halkirk (Olgrinbeg)	272	40	40	-	0	1	4	306	344	90	0	9.6	300	24	24	14	37	24	0955
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	-	0	5	56	275	220	193	0	9.7	210	28	7	19	44	7	1315
	Duirinish	125	65	55	-	0	3	32	244	356	112	0	9.2	210	29	7	20	43	7	1955
Inverness	Benbecula	69	51	35	-	0	7	80	328	284	52	0	12.1	150	33	6	10	51	7	1740
1 Moray	Lossiemouth	79	59	45	-	0	7	29	268	272	168	7	9.2	290	25	24	11	41	8	0920
Aberdeen	Dyce	225	40	40	-	0	0	0	177	292	275	0	6.5	320	21	9	16	33	8	1455
Angus	Bell Rock Lighthouse	128	131	124	-	0	15	84	379	240	41	0	13.0	250	33	8	02	47	7	1220
Perth	Rannoch	1006	56	57	-	0	2	11	232	369	127	5	8.4	Def	30	8	13	48	8	1225
Fife	Leuchars	78	40	40	-	0	2	16	232	370	126	0	8.7	270	32	8	14	49	8	1605
Midlothian	Edinburgh	485	39	23	-	0	3	16	177	316	235	0	7.4	270	29	8	18	51	8	0130
6a Argyll	Tiree	89	60	47	6,7,8	8	9	105	354	175	102	0	13.2	290	37	8	13	54	8	1220
Bute	Millport	50	34	34	-	0	4	23	154	327	240	0	7.5	260	33	8	07	48	8	1350
Renfrew	Paisley	188	81	31	-	0	0	0	93	421	230	0	6.0	270	21	8	16	48	8	1505
	Renfrew	71	41	39	-	0	2	10	192	446	96	0	8.2	280	27	8	18	48	8	1710
Ayr	Prestwick Airport	35	33	33	-	0	1	10	233	369	132	0	8.5	270	26	8	13	41	8	1210
Dumfries	Eskdalemuir	825	50	35	-	0	2	9	87	262	370	16	5.0	270	26	8	19	53	8	1930
ENGLAND AND WALES																				
6b Isle of Man	Point of Ayre	70	40	35	-	0	4	48	335	322	39	0	11.2	310	28	8	20	43	6	1715
2 Durham	Durham	389	53	33	-	0	2	14	144	329	257	0	6.4	280	28	8	17	59	8	1610
	South Shields	73	57	44	-	0	1	11	270	330	133	0	9.2	250	31	8	12	54	8	1110
Lincoln	Cranwell	288	47	47	8	1	3	26	211	433	73	0	9.4	270	34	8	15	51	8	1515
3 Norfolk	Horleston	52	42	34	-	0	3	7	451	205	81	0	10.9	170	24	2	02	42	2	1305
Suffolk	Mildenhall	98	83	60	-	0	3	9	209	401	125	0	8.1	270	25	8	12	39	5	0715
	Felixstowe	83	75	65	-	0	7	13	363	285	83	0	10.6	220	25	2	16	42	7	1145
Bedford	Cardington	226	133	133	8	3	8	64	320	305	52	0	11.9	260	35	8	16	51	8	1540
Hertford	Rothamsted	461	41	33	-	0	0	0	118	501	125	0	6.8	260	17	7	15	39	7	1625
	Stanstead Abbots	138	41	40	*															
Essex	Croyton	66	57	48	0	0	0	0	246	464	34	0	8.9	220	20	2	16	42	2	1605
	Shoeburyness	118	106	91	-	0	4	14	289	305	136	0	9.2	210	29	6	19	42	6	1805
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	64	490	190	0	5.7	250	19	8	10	48	8	1000
Warwick	Birmingham	643	118	73	-	0	0	0	142	550	52	0	7.8	260	19	8	17	38	8	1615
Stafford	Keele	706	50	40	-	0	0	0	91	403	250	0	6.0	270	20	8	15	44	8	1550
Gloucester	Avonmouth	92	61	33	-	0	6	37	171	248	236	52	7.9	280	28	7	17	44	7	0155
5 London	Kingsway	231	160	40	-	0	0	0	142	555	47	0	8.1	250	20	8	14	38	8	1350
Middlesex	London Airport	115	33	33	-	0	3	7	237	403	97	0	8.6	210	25	2	14	37	2	1405
	Hampton	139	101	100	-	0	1	2	189	451	102	0	8.0	260	22	8	16	40	7	1835
Surrey	Kew Observatory	92	75	50	-	0	1	1	253	412	78	0	8.9	180	22	2	14	41	2	1320
	Gatwick	232	38	33	-	0	2	8	173	361	202	0	7.1	280	25	8	15	41	8	1440
Kent	Isle of Grain	48	40	33	-	0	0	0	138	265	341	0	5.4	190	21	2	16	38	2	1705
	Dungeness	70	50	33	-	0	0	0	0	0	0									
	Dover	68	38	62	-	0	2	8	385	251	95	5	10.6	030	25	26	18	40	5	0230
Sussex	Thorney Island	75	65	42	-	0	0	0	108	332	304	0	5.6	240	19	7	14	35	7	1350
Hampshire	Southampton (Eastleigh)	95	60	41	I															
	Calshot	50	41	33	-	0	1	1	238	451	54	0	8.9	210	22	6	17	31	2	1425
	S. Farnborough	318	69	35	-	0	0	0	64	456	224	0	5.7	280	19	8	16	35	2	1315
Berkshire	Abingdon	295	40	40	-	0	2	12	173	323	236	0	6.9	240	24	7	16	42	7	1250
Wiltshire	Larkhill	491	51	36	-	0	1	3	172	423	146	0	7.6	270	23	8	16	40	8	1305
	Porton	406	44	44	-	0	1	2	121	295	326	0	5.6	210	22	2	13	37	2	1340
7a Cumberland	Sellafield	83	39	35	-	0	3	29	244	400	71	0	9.9	240	27	8	03	41	8	1745
	Spadeadam	959	51	40	-	0	3	23	222	383	108	8	9.0	260	27	8	16	50	6	1815
Westmorland	Moor House	1960	50	45	8	2	5	46	145	253	298	0	7.4	270	36	8	15	53	8	1505
Lancashire	Southport	59	41	33	-	0	4	45	199	404	96	0	9.6	270	32	8	14	45	8	1340
	Speke	180	100	65	-	0	5	41	258	388	57	0	10.3	280	29	8	16	50	8	1515
Cheshire	Bidston Observatory	262	64	39	-	0	3	40	124	424	86	70	-	260	31	8	13	55	8	1345
	Manchester Airport	318	70	30	-	0	1	8	187	449	100	0	8.0	280	29	8	14	48	8	1255
7b Anglesey	Holyhead (Valley)	76	50	40	-	0	5	15	228	266	235	0	8.0	210	31	6	12	43	6	1800
8a Cardigan	Aberporth	483	41	41	-	0	7	55	331											

MONTHLY WEATHER CHARTS

MAY 1961

1. MEAN PRESSURE 9 A.M.



RAINFALL

MAY 1961

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

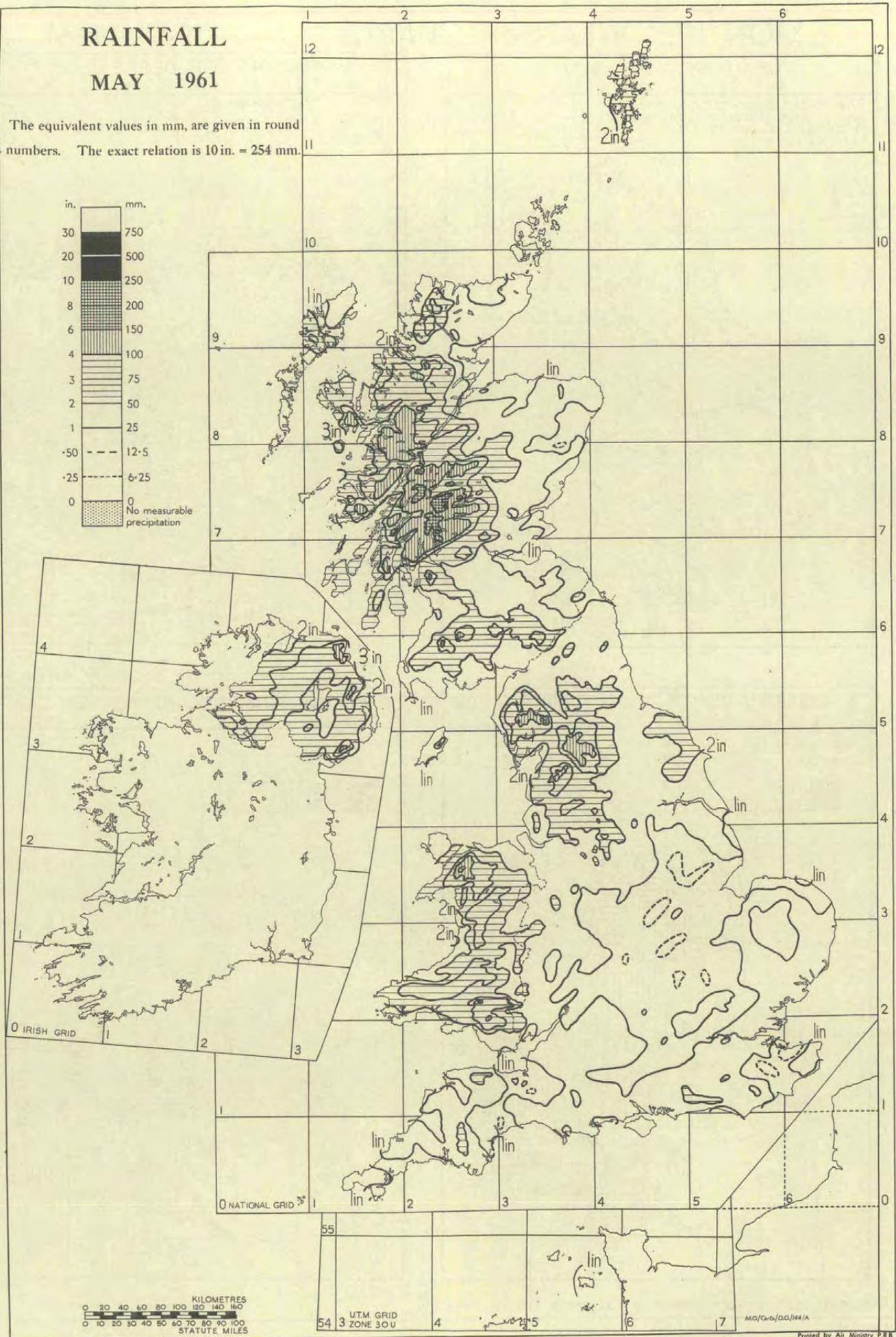
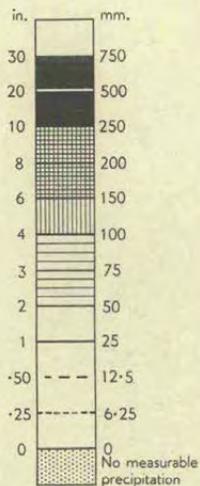


TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE										
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average							
			A Max.	B Min.			Maximum	Date	Minimum	Date					Amount	Date	0 in. (0.2mm.) or more	0.04 in. (1.0mm.) or more																	
			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%							
5 ENGLAND, S.E.—cont.																																			
Surrey	Wisley ...	9 9	150	16.6	6.3	11.5	-0.6	25.0	12	-1.1	28	13.3	11.8	1.11	60	.80	4	9	5	0	0	0	0	0	0	0	0	0	0	0	7.31	119			
	Mickleham ...	9 9	179	16.3	4.7	10.5	-	23.3	13	-2.2	28	-	-	1.50	78	.98	4	7	6	0	0	0	1	0	0	0	0	0	0	0	-	-			
	Kew Observatory †	21-9	18	16.1	8.3	12.2	-0.3	23.1	13	3.3	29	13.0	11.9	.95	52	.56	4	7	3	0	0	0	1	0	0	0	0	0	0	0	7.50	119			
	Gatwick ...	21-9	192	16.3	5.7	11.0	-	23.2	13	-2.0	28	-	-	1.49	-	.95	4	7	5	0	0	0	0	0	0	0	0	0	0	0	7.60	-			
	Croydon (Waddon)	9 9	220	16.3	6.9	11.6	-0.5	23.9	13	0.0	28	-	-	1.69	89	1.40	4	7	4	0	0	0	0	0	0	0	0	0	0	0	-	-			
	Addington ...	9 9	474	15.9	6.7	11.3	-0.2	23.3	13	1.7	27	-	-	1.88	94	1.45	4	7	6	0	0	0	0	0	0	0	0	0	0	0	-	-			
Kent	Bromley ...	9 9	213	16.4	7.3	11.9	-0.4	23.9	13	1.1	28	-	-	1.71	92	1.23	4	7	3	0	0	0	0	0	0	0	0	0	0	0	-	-			
	Swanley ...	9 9	177	16.7	5.7	11.2	-	24.4	13	-1.1	28, 29	12.6	-	1.20	-	.81	4	7	3	0	0	0	0	0	0	0	0	0	0	0	6.25	-			
	Dartford ...	9 9	17	16.6	7.3	11.9	-	24.4	13	0.0	28	-	-	1.12	69	.86	4	6	3	0	0	0	1	0	0	0	0	0	0	0	-	-			
	Tunbridge Wells	9 9	351	15.9	6.2	11.1	-0.6	23.3	13	-1.1	28	13.3	12.3	.82	39	.34	4	7	6	0	0	0	0	0	0	0	0	0	0	0	0	7.57	112		
	Goudhurst ...	9 9	280	16.4	5.4	10.9	-	23.3	13	-1.7	27	-	-	1.05	50	.26	4, 28	9	6	0	0	0	0	0	0	0	0	0	0	0	0	-	-		
	East Malling †	9 9	122	16.5	5.8	11.1	-0.3	23.9	13	-1.1	28	-	11.3	.96	50	.47	4	10	6	0	0	0	0	0	0	0	0	0	0	0	0	7.49	115		
	Benenden ...	9 9	198	-	-	-	-	-	-	-	-	-	-	.56	-	.18	1	5	5	0	0	0	0	0	0	0	0	0	0	0	-	-			
	Gillingham ...	9 9	10	17.6	7.6	12.6	-	24.4	13	1.7	29	-	-	1.21	-	.81	4	9	4	0	0	0	0	0	0	0	0	0	0	0	0	6.20	-		
	Sittingbourne ...	9 9	224	15.7	6.6	11.1	-	23.9	13	0.6	27	12.6	11.2	.68	-	.28	4	7	6	0	0	0	0	0	0	0	0	0	0	0	0	8.18	-		
	Isle of Grain ...	9 9	9	16.3	9.1	12.7	-	23.9	12	3.9	28	-	-	1.07	-	.60	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	7.37	-		
	Throwley ...	9 9	493	15.6	6.3	10.9	-	22.8	13	0.6	29	12.7	10.6	.52	-	.21	4	7	4	0	0	0	0	0	0	0	0	0	0	0	0	7.84	-		
	Faversham ...	9 9	157	15.9	7.0	11.5	-	23.3	12	0.6	29	12.5	11.6	.30	-	.18	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	7.56	-		
	Dungeness ...	21-9	10	15.1	8.0	11.5	-	19.5	14	0.8	28	-	-	.56	34	.15	1	7	4	0	0	0	0	0	0	0	0	0	0	0	0	1	-		
	Wye ...	9 9	185	16.1	6.3	11.2	-	22.8	12, 13	0.0	28	-	-	1.18	56	.59	4	7	5	0	0	0	0	0	0	0	0	0	0	0	0	8.39	124		
	Whitstable ...	9 9	9	-	7.9	-	-	-	-	1.7	29, 30	-	-	.33	23	.14	4, 7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7.63	-	
	Folkestone ...	9 9	128	15.5	8.3	11.9	-	20.0	14	5.0	11, 27, 28	-	12.4	.85	50	.48	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9.57	-	
	Wingham (Elmstone)	9 9	28	16.1	6.6	11.3	-	22.2	12	0.0	29	-	-	1.74	-	1.55	4	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Herne Bay ...	9 9	21	16.1	9.2	12.6	-	22.8	12	3.9	29	-	-	.41	26	.17	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0	1	7.36	-	
	Dover ...	9 9	19	15.4	8.7	12.1	+0.3	19.4	25	3.9	28, 29	14.1	12.9	.91	52	.62	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	8.43	-S	
	Dover R.M.S. ...	9 9	402	13.5	7.5	10.5	-	19.4	14	3.9	28	-	-	1.10	51	.70	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Deal ...	21-9	18	15.9	9.3	12.6	-	21.0	17	5.3	28	-	-	1.06	-	.85	4	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Ramsgate ...	9 9	80	15.1	9.3	12.2	-	21.7	12	5.6	28	-	-	1.08	68	.76	4	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9.19	130	
	Manston ...	21-9	145	15.1	7.9	11.5	-	21.7	12	1.7	29	-	-	1.50	-	1.31	4	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Margate ...	9 9	51	18.7	9.6	14.1	+2.5	21.7	12	6.1	28, 29	13.3	12.2	1.44	101	1.25	4	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8.83	121	
Sussex	Thorney Island	21-9	10	16.7	7.3	12.0	-	20.8	12	1.4	28	-	-	1.11	65	.48	4	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	8.05	-	
	Bognor Regis ...	9 9	24	15.7	8.2	11.9	+0.2	20.6	14	2.8	28	-	12.6	1.56	83	1.02	4	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	8.47	119	
	Littlehampton ...	9 9	15	16.3	7.7	12.0	+0.3	21.7	14	2.2	27, 28	-	12.8	1.38	76	.81	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9.11	125	
	Rustington ...	9 9	10	15.8	6.4	11.1	-	20.6	14	0.0	28	-	-	1.17	-	.87	4	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.88	-	
	Worthing ...	9 9	25	16.2	8.3	12.3	+0.4	20.6	11, 14	3.9	27, 28	13.4	12.2	1.14	69	.56	4	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	8.84	118	
	Brighton ...	9 9	32	15.8	8.3	12.1	-	20.6	14	2.8	28	-	13.2	.67	41	.28	3	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	8.44	-	
	East Grinstead ...	9 9	440	16.5	5.8	11.1	-	23.3	13	-0.5	28	-	11.3	1.78	-	1.13	4	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Seaford ...	9 9	45	15.6	7.6	11.6	-	20.6	14	0.0	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.65	-			
	Eastbourne ...	9 9	35	15.4	8.6	12.0	+0.2	20.6	14	3.3	27, 28	13.8	12.6	1.26	73	.54	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.11	121
	Eastbourne (C/guard)	21-9	17	16.0	7.9	11.9	-	21.1	14	2.1	28	-	-	1.15	-	.43	4	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	Bexhill ...	9 9	14	15.2	8.3	11.7	-0.1	21.1	14	2.8	28	14.0	-	1.36	79	.57	4	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.97	-	
	Sedlescombe ...	9 9	175	15.8	6.4	11.1	-	21.7	12, 13	-1.1	28	-	-	1.64	-	.55	4	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	Bodiam ...	9 9	73	16.5	6.1	12.3	-	22.8	12, 13																										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS							EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE							
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Date	Minimum	Date					Amount	Date	0-1in. (0-2mm.) or more	0-4in. (1-10mm.) or more															
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																		
7a ENGLAND, N.W.																																	
Cumberland	Sellafield ...	9 9	43	13.8	6.5	10.1	-	17.8	13,31	2.8	28	-	-	1.72	63	.52	1	10	9	-	0	0	0	0	0	0	0	0	0	0	6	-	-
	Carlisle ...	21-9	86	14.7	6.2	10.5	-	18.9	11	1.5	21	-	-	1.51	-	.35	1	10	8	0	0	0	0	0	0	0	0	0	0	3	0	6.23	-
Westmorland	Newton Rigg ¶§	9 9	560	14.3	5.4	9.9	-0.2	20.6	13	1.7	21,26,28	11.4	-	1.71	80	.55	4	10	10	-	0	0	0	0	0	0	0	0	10	0	5.87	99	-
	Spadeadam ...	9 9	900	12.5	4.2	8.3	-	17.8	13	0.0	21,28	9.6	8.8	2.08	-	.47	1	10	9	0	0	2	3	0	0	0	0	2	8	0	4.90	-	
Lancashire	Ambleside ...	9 9	151	15.2	5.8	10.5	-	21.1	13	0.6	28	-	-	3.35	87	.99	1	12	8	0	0	0	0	0	0	0	0	0	0	0	5.09	-	-
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	-	-	
Lancashire	Moor House ...	9 9	1840	10.3	2.6	6.5	-	16.7	13	-3.9	31	7.9	-	3.55	-	.87	4	12	10	0	0	2	2	1	0	6	13	1	1	4.29	-	-	
	Barrow-in-Furness	9 9	55	14.6	7.2	10.9	-	20.0	13	2.8	26	12.3	-	2.01	-	.68	1	10	8	-	0	0	0	0	1	0	0	0	2	2	7.55	-	-
Lancashire	Squires Gate ...	21-9	33	14.3	7.0	10.7	-	22.0	13	2.3	31	-	-	1.87	80	.80	4	11	9	0	0	0	0	2	0	0	2	2	2	-	-	-	
	Urswick ...	9 9	130	15.7	5.9	10.8	-	21.1	13	1.7	26,28	-	-	2.00	-	.71	1	10	8	0	0	0	0	0	0	0	0	0	0	2	-	-	
Lancashire	Poulton-le-Fylde	9 9	38	14.5	6.8	10.7	-	21.7	13	3.3	31	-	-	2.00	-	.83	4	10	8	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Grizedale ...	9 9	300	14.5	3.5	9.0	-	20.0	13	-2.8	28	-	-	3.16	-	1.14	1	13	8	0	0	0	0	0	0	0	4	19	0	-	-		
Lancashire	Speke ...	21-9	80	15.1	7.7	11.4	-	22.4	13	4.3	27	-	-	1.34	59	.52	4	10	6	0	0	1	0	1	0	0	2	0	0	6.47	-	-	
	Kirkham ...	9 9	77	14.8	5.9	10.3	-	21.7	13	0.6	27	-	-	2.54	100	1.31	4	10	7	0	0	0	0	1	0	0	0	8	0	7.10	-	-	
Lancashire	Garstang ...	9 9	68	14.5	6.1	10.3	-	20.6	13	0.0	28	-	-	2.53	-	1.18	4	8	6	-	0	0	0	0	1	-	-	-	-	6.95	-	-	
	Preston (Moor Pk.)	9 9	24	14.9	7.6	11.3	0.0	20.0	13	2.8	27	-	-	1.67	65	.67	4	10	7	0	0	0	0	0	0	0	0	0	0	0	5.99	88	-
Lancashire	Bolton ...	9 9	352	15.0	5.6	10.3	-0.7	22.2	13	0.0	27,28	10.6	9.4	3.18	-	1.39	4	10	8	0	0	0	0	0	1	2	10	0	6.18	-	-		
	Darwen ...	9 9	724	14.2	5.2	9.7	-0.6	22.2	13	1.1	27	11.2	9.7	3.37	102	1.27	4	14	14	0	0	0	0	0	0	0	0	0	0	-	-		
Lancashire	Stonyhurst ¶§	9 9	377	14.6	5.8	10.2	-0.5	21.7	13	0.6	28,29	-	-	3.13	112	1.56	4	12	9	-	0	-	-	-	-	-	-	-	5.80	96	-	-	
	Manchester	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lancashire	Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Helmshore ...	9 9	854	13.4	5.3	9.3	-	20.6	13	1.1	27	10.4	-	3.69	-	1.33	4	14	10	-	0	-	-	-	0	0	8	-	5.44	-	-		
Lancashire	Manchester (Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Burnley ...	9 9	655	13.6	5.1	9.3	-	20.6	13	-0.5	27	10.1	8.9	2.61	-	1.16	4	13	12	0	0	1	0	1	0	2	7	0	4.97	-	-		
Cheshire	Nelson ...	9 9	540	13.5	5.8	9.7	-	21.1	13	0.6	27	11.3	9.4	2.49	92	1.29	4	10	10	-	0	-	-	-	0	0	6	-	5.09	-	-		
	Rochdale ...	9 9	362	14.4	5.4	9.9	-	22.2	13	-0.5	27,28	-	-	2.57	-	.79	1	11	8	0	0	0	0	1	0	2	2	1	5.35	-	-		
Cheshire	West Kirby Park	9 9	17	15.0	7.5	11.3	-	23.3	13	4.4	11,27	-	-	1.86	-	.85	4	8	7	-	-	-	-	-	-	0	0	7.35	-	-			
	Bidston Obs'y. ¶§	9 9	198	14.3	8.3	11.3	+0.1	22.2	13	5.0	26,27	-	-	1.43	63	.87	4	6	6	-	-	-	-	-	0	0	0	-	7.28	114	-		
Cheshire	Northwich (Winnington)	9 9	65	16.4	7.3	11.9	-	23.3	12,13	3.8	27	-	-	1.58	71	.61	1	8	5	0	0	2	0	2	0	0	1	1	-	-			
	Manchester Airport ¶§	21-9	248	15.2	6.6	10.9	-0.3	22.4	13	0.1	27	-	-	2.53	113	.75	4	8	7	0	0	0	1	2	0	0	2	0	5.84	104	-		
Cheshire	Macclesfield ...	9 9	500	14.5	6.3	10.4	-0.4	22.8	13	1.1	27	-	-	1.35	54	.45	4	9	6	0	0	2	0	2	0	0	0	0	-	-			
	Manchester	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7b NORTH WALES																																	
Flint	Rhyl ...	9 9	31	14.6	7.4	11.0	-0.1	21.1	13	1.7	28	-	-	1.38	64	.79	4	6	4	0	0	0	1	0	0	0	1	0	7.57	116	-	-	
	Prestatyn ...	9 9	12	-	7.2	-	-	-	-	3.3	19	-	-	1.49	67	.71	4	7	6	0	0	0	0	0	0	0	0	0	3	-	-		
Anglesey	Hawarden Bridge	9 9	17	15.8	6.8	11.3	0.0	23.9	13	2.8	11	-	-	1.50	71	.58	4	9	7	0	1	0	0	0	0	0	0	0	-	-			
	Holyhead (Valley)	21-9	26	14.0	8.1	11.1	+0.4	18.3	13	2.2	28	-	-	1.93	85	1.17	4	10	9	0	0	0	0	0	0	0	2	0	8.41	119	-		
Denbigh	Colwyn Bay ...	9 9	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Alwen ...	9 9	1100	12.7	2.5	7.6	-	19.4	13	-5.0	28	-	-	2.66	-	.90	4	10	8	-	-	-	-	-	-	9	13	-	-				
Caernarvon	Ruthin ...	9 9	248	14.6	6.3	10.5	-	22.8	13	0.6	27	-	-	1.71	-	.73	4	9	8	-	0	-	-	1	0	-	-	-	-				
	Bwlchgwn ...	9 9	1267	12.8	4.9	8.9	-	21.1	13	1.1	27	9.3	-	2.22	-	.76	4	13	8	0	0	0	0	0	0	0	11	0	-	-			
Caernarvon	Ruabon ...	9 9	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Wrexham ...	9 9	275	15.4	6.4	10.9	-	23.9	13	3.9	17	11.6	10.3	1.45	-	.68	4	8	6	0	0	0	0	0	0	0	1	0	-	-			
Caernarvon	Bardsey Island ...	21-9	60	13.1	8.7	10.9	-	17.5	11	5.8	28	-	-	2.38	-	1.50	4	8	7	-	-	-	-	-	0	0	0	0	-	-			
	Botwnnog ...	9 9	112	14.5	7.1	10.8	-	18.3	13	2.2	28	13.3	11.6	2.52	-	1.18	4	10	9	0	0	1	0	0	0	0	1	0	8.25	-	-		
Caernarvon	Bryn Adda ...	9 9	275	14.7	7.5	11.1	-	21.1	13	1.7	28	-	-	2.36	-	1.07	4	11	6	0	0	0	0	0	0	0	8	0	7.51	-	-		
	Cwm Dylli ...	9 9	324	-	6.4	-	-	-	-	0.0	28	11.2	-	5.70	-	1.79	1	11	9	0	0	0	1	0	1	8	0	-	-				
Caernarvon																																	

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-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	675	27	49	5	370.7	31	365	13	46	5	263.7	31	669	27	53	5	376.4	31
Eskdalemuir	720	10	120	4	411.2	31	340	25	116	4	243.2	29	676	10	134	4	396.1	31
Cambridge	846	31	165	4	496.7	31	371	24	160	4	285.2	31	-	-	-	-	-	-
Kingsway	689	31	134	4	466.8	28	378	29	129	4	293.5	28	779	13	188	4	495.6	31
Kew	687	31	144	4	446	31	383	29	143	4	253	31	-	-	-	-	-	-
Aberporth	886	28	112	4	606.6	31	411	20	112	4	265.0	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN MAY 1961 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

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 -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°	Above 15.0°									
Lerwick	0	0	18	13	0	0	0	0	0	0	11	20	0	0	0	0	0	22	7	2	0	0	0	0	3	26	2	0	
Stornoway	0	0	2	29	0	0	0	0	0	0	1	7	23	0	0	0	0	0	12	17	2	0	0	0	0	4	21	6	0
Craibstone	0	0	7	20	4	0	0	0	0	0	1	14	16	0	0	0	0	0	18	12	1	0	0	0	0	3	25	3	0
Rothsay	0	0	1	19	11	0	0	0	0	0	0	5	26	0	0	0	0	0	7	19	5	0	0	0	0	3	25	3	0
Renfrew	0	0	1	14	16	0	0	0	0	0	0	9	22	0	0	0	0	0	20	10	1	0	0	0	0	11	20	0	0
Eskdalemuir	0	0	2	20	7	2	0	0	0	0	0	15	16	0	0	0	0	0	25	5	1	0	0	0	0	2	27	2	0
Douglas	0	0	0	28	3	0	0	0	0	0	0	2	29	0	0	0	0	0	26	5	0	0	0	0	0	2	24	5	0
Cockle Park	0	0	5	20	6	0	0	0	0	0	0	8	23	0	0	0	0	0	17	4	0	0	0	0	0	2	26	3	0
Gorleston	0	0	0	22	9	0	0	0	0	0	0	3	24	4	0	0	0	0	22	9	0	0	0	0	0	10	21	0	0
Cambridge	0	0	0	11	18	2	0	0	0	0	11	18	2	0	0	0	0	0	21	7	3	0	0	0	0	9	22	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)			WEATHER										BRIGHT SUNSHINE				
				Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n		Number of days										Daily Mean	Percentage of Average		
				A Max.	B Min.		Maximum	Date	Minimum	Date						Amount	Date	0.01 in. (0.2 mm.) or more	0.04 in. (1.0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less			Gale	
1959 OCTOBER	KEW OBSERVATORY	G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.														hr	%
1959 ANNUAL	KEW OBSERVATORY																														

DUPLICATE

Monthly Weather Report

M.O. 701

OF THE METEOROLOGICAL OFFICE

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

Volume 78 Number 6

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June 1961 — *Dry; sunny in the south; very warm towards end of month*

Apart from the 7th-12th, when small depressions moved across the country, weather during the major part of June was anticyclonic in character with a ridge of high pressure extending from the Azores anticyclone towards north-west Europe.

The month opened with northerly winds and cold wet weather over the eastern half of the country and temperatures generally some 7°C below average; at Kew temperature during the afternoon reached only 10.6°C, the lowest June maximum since 1916. In the north-west, however, weather was warm and sunny with over 13 hours of sunshine at many places. Warmer air from the Atlantic spread across the whole country on the 2nd, as winds backed to between west and north-west, and the next few days were warm and sunny in most places although there was some occasional slight rain in western and northern districts.

On the 7th a shallow depression approached Scotland from the west and an associated frontal system brought rain to all districts as it moved eastwards across the British Isles. There were showers and thunderstorms the following day in the unstable north-westerly air-stream behind the front. Another minor depression moved eastwards across northern England on the 10th and 11th but it brought some very heavy rain, accompanied by thunder, to parts of the north-west; many places in northern England having more than 1 in. of rain in 24 hours. This depression was followed by a deeper one which moved across southern England on the 12th. Rain was heavy over an area extending from South Wales to the Thames Estuary with falls of more than 1 in. in 24 hours in many central and southern districts. Weather in Scotland during this period, however, was dry and sunny; in the three days 10th-12th Stornoway recorded more than 43 hr of sunshine.

With a ridge of high pressure moving eastwards across the country, the 13th and 14th were fine and sunny. During the next three of four days there was a complex depression in the neighbourhood of Iceland which gave west to south-west gales in parts of Scotland on the 17th and 18th, with gusts reaching 50 kt locally, and associated fronts brought rain to most northern districts from 15th to 17th and some occasional slight rain further south.

During the next few days a ridge of high pressure extended eastwards across the British Isles from an anticyclone to the north of the Azores. Apart from a little rain in the north and west weather was fine generally with steadily rising temperatures. However, there was some slight ground frost in the North Midlands on the morning of the 21st.

The eastward movement of weak fronts across the country was resumed on the 21st, and with the arrival of a warm and humid air-stream from the region of the Azores weather during the next three or four days was cloudy with low stratus in some western districts. There was extensive sea fog in the South-Western Approaches and patches in coastal areas, but further inland weather was fine and sunny and temperatures continued to rise steadily; 29°C was reached at a number of places on both the 24th and 25th.

On the 26th thundery rain from France spread into southern England, but this was soon followed by brighter weather as an anticyclone moved into northern France the next day. During the remainder of the month weather was often cloudy with rain at times in western and northern Scotland and Northern Ireland but elsewhere

it was fine and very warm. Afternoon temperatures exceeded 30°C in many parts of England on the 30th and reached 31.1°C at Gillingham, Kent.

Pressure and Wind — Mean pressure was below the 1921-50 average in the north and above in the south, the deviations at 9h ranging from -3.1 mb at Lerwick to +1.9 mb at Scilly. Surface winds were mainly northerly on the 1st, backing to between west and north-west on the 2nd and becoming generally south-westerly on the 3rd-6th, after which they were variable until the 14th, becoming generally westerly until the 25th, north-westerly on the 26th and 27th and then south-westerly until the end of the month. Gales, which were mainly confined to Scotland, occurred there in exposed places on the 16th-19th, 22nd, 24th and 28th. Wind reached gale force at Moor House, Westmorland, on the 16th. A gust of 56 kt was recorded at Lerwick on the 18th.

Temperature — Mean temperature, in spite of the very warm weather at the end of the month, was only 0.4°C above the 1921-50 average in England and Wales; it was equal to the average in Scotland and Northern Ireland. The coldest period generally was the 9th-12th, and there was ground frost and some local air frost on the 10th-14th; on the morning of the 12th temperature on the grass at a number of places in Scotland fell to -7°C.

Extremes included: (England and Wales) 31.1°C at Gillingham, Kent, on the 30th, -2.2°C at Santon Downham and at Alwen on the 14th; (Scotland) 24.4°C at North Berwick on the 30th, -3.0°C at Glenlivet on the 12th and 14th; (Northern Ireland) 23.9°C at Belfast on the 24th, 0.0°C at Lislap Forest on the 1st.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 69 over England and Wales, where it was the driest June since 1951, 82 over Scotland and 78 over Northern Ireland. Less than half the average rainfall was recorded in Devon, Somerset, Wiltshire, around the Wash, in the mid-Severn Valley, on the Cumberland coast, in the Lothians and in east Stirlingshire. More than 150 per cent of the average occurred in the Ben Nevis area, locally in the north-west Highlands and in northern Sutherland.

Thunder was heard in Scotland on the 8th-10th, 15th and 25th (5 days) and in England and Wales on the 6th-9th, 11th, 12th, 14th, 25th, 26th and 30th (10 days). Thunderstorms were widespread on the 8th and occurred widely in southern England on the 26th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 109 in England and Wales, 85 in Scotland and 82 in Northern Ireland. In Scotland and Northern Ireland sunshine was below average almost everywhere, in some places the deficit was as much as 40-50 hours. Elsewhere the sunniest places were generally in eastern and southern England; Cromer, Bath and Birmingham all had 124 per cent of their average sunshine.

Fog — There was little fog apart from patches of coastal fog in south and south-west England on the 17th and 22nd-25th, and in the Channel Islands on the 16th, 18th, 25th and 26th. Early morning fog occurred at widely separated places on 4 days in Scotland and on the 1st, 5th, 6th, 8th, 9th, 11th and 12th in England and Wales.

Miscellaneous Phenomena — The aurora was not observed anywhere during the month.

MWR dup

TABLE I—DISTRICT VALUES— JUNE 1961 (1908, revised 1928, 1941 and 1956)

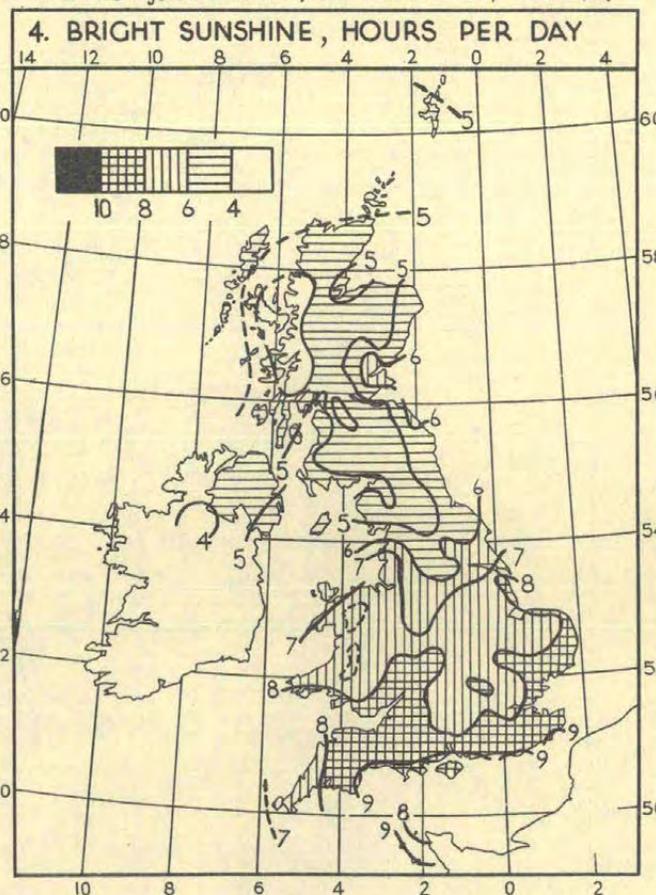
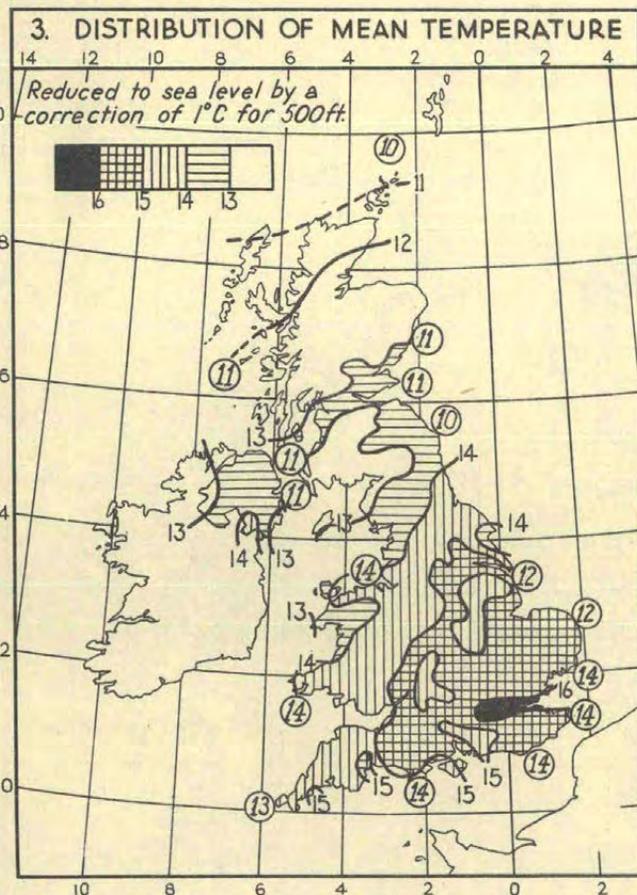
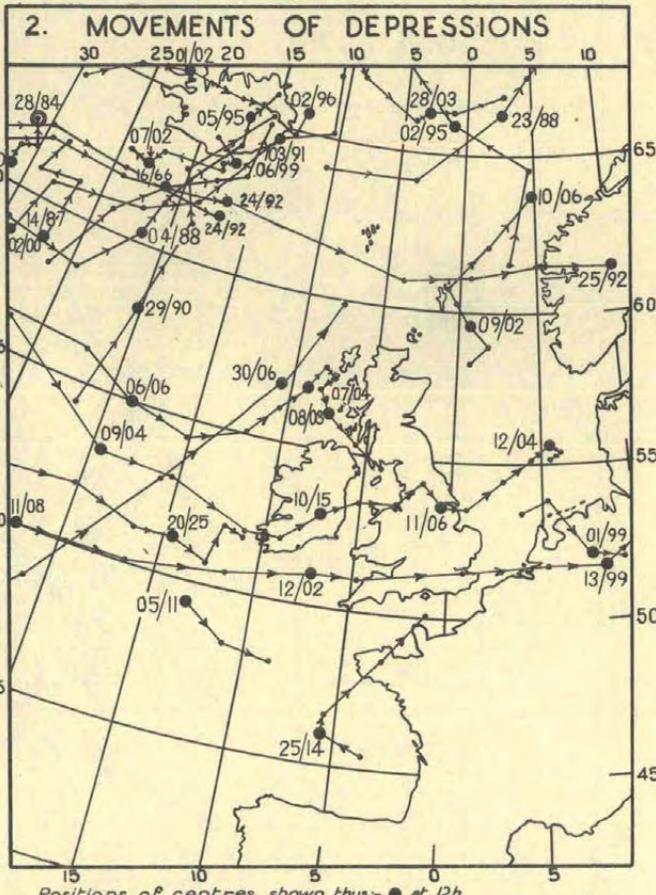
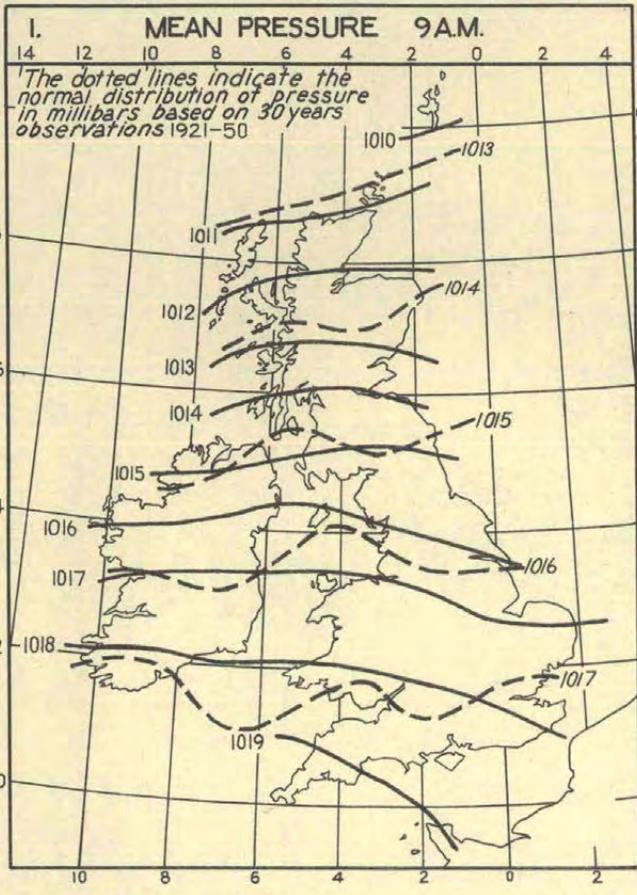
DISTRICTS	AIR TEMPERATURE						EARTH TEMPERATURE		RAINFALL		SUNSHINE		DISTRICTS	AIR TEMPERATURE						EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Highest	Lowest		Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average				
			Max.	Min.	Mean									Max.	Min.	Mean									
0 SCOTLAND, N.	21.1	-2.8	0.0	0.0	0.0	—	—	112	+4	86	5 ENGLAND, S.E.	31.1	1.7	+0.6	-0.3	+0.2	0.0	+0.5	71	-4	113				
Eastern											Western														
1 SCOTLAND, E.	24.4	-3.0	+0.2	+0.5	+0.3	—	—	69	0	90	6 SCOTLAND, W.	22.8	-1.1	-0.9	+0.3	-0.3	-0.7	-0.2	71	0	79				
2 ENGLAND, N.E.	29.4	0.0	+0.6	+0.7	+0.6	-0.2	-0.1	70	-3	97	7 ENGLAND, N.W. (and N. Wales)	27.8	-2.2	-0.5	+0.2	-0.1	-0.9	+0.5	74	-3	100				
3 ENGLAND, E.	30.0	-2.2	+1.3	+0.2	+0.7	0.0	+0.4	86	-3	116	8 ENGLAND, S.W. (and S. Wales)	28.9	0.0	+0.4	-0.5	0.0	0.0	+0.4	53	-4	116				
4 MIDLAND COUNTIES	30.0	-0.5	+0.5	0.0	+0.2	+0.1	+0.6	74	-4	114	NORTHERN IRELAND	23.9	0.0	-0.4	+0.4	0.0	-	-	73	-1	82				

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JUNE 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed										Highest Velocities				
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Mean Hourly Wind Speed	Highest Hourly Wind			Highest Gust		
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time	
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day h.m.		
SCOTLAND																		
0 Zetland	Lerwick	310	53	37	17, 18	5	15	171	382	148	14	0	16.5	230	37	18 08	54	18 0735
Orkney	Kirkwall (Grimsetter)	135	51	33	18, 23	5	10	83	340	243	49	0	12.7	280	35	23 10	56	23 0920
Caithness	Dounreay	110	39	30	-	0	8	45	415	258	2	0	12.9	280	29	18 13	50	18 1220
	Halkirk (Olgrinbeg)	272	40	40	*													
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	16	2	11	92	346	179	101	0	13.3	190	35	16 14	49	16 1315
Inverness	Duirinish	125	65	55	*													
	Benbecula	69	51	35	-	0	17	212	355	134	19	0	16.6	190	31	16 16	51	18 0935
1 Moray	Lossiemouth	79	59	45	-	0	11	68	260	225	149	18	10.8	(250)	30	18 08	51	18 0830
Aberdeen	Dyce	225	40	40	-	0	3	10	142	363	205	0	7.0	220	27	16 23	41	16 2315
Angus	Bell Rock Lighthouse	128	131	124	-													
Perth	Rannoch	1006	56	57	28	1	11	86	328	228	66	11	12.6	-	39	28 12	51	28 1110
Fife	Leuchars	78	40	40	-	0	6	40	331	294	55	0	11.2	270	31	18 12	48	18 1110
Midlothian	Edinburgh	485	39	23	-	0	3	18	289	309	104	0	9.8	190	28	16 23	49	18 1400
6a Argyll	Tiree	89	60	47	-	0	18	151	437	91	41	0	15.7	260	32	18 11	51	18 0720
Bute	Millport	50	34	34	-	0	3	6	211	319	162	22	8.2	270	25	23 05	44	18 1005
Renfrew	Paisley	188	81	31	-	0	0	0	148	418	154	0	7.2	260	21	23 05	47	18 0805
	Renfrew	71	41	39	-	0	3	7	299	336	78	0	9.6	250	27	18 14	48	18 1320
Ayr	Prestwick Airport	35	33	33	-	0	0	0	350	316	54	0	9.9	260	20	18 11	35	16 2020
Dumfries	Eskdalemuir	825	50	35	-	0	3	3	248	329	140	0	8.5	200	22	16 15	51	18 1150
ENGLAND AND WALES																		
6b Isle of Man	Point of Ayre	70	40	35	-	0	6	19	372	273	40	16	11.4	270	24	8 24	32	8 2325
2 Durham	Durham	389	53	33	-	0	0	0	279	251	180	10	8.1	230	20	17 18	41	17 0115
	South Shields	73	57	44	-	0	2	4	281	346	89	0	9.4	360	22	11 13	37	18 1545
Lincoln	Cranwell	288	47	47	-	0	1	1	235	333	151	0	8.2	230	22	17 24	44	8 1325
3 Norfolk	Gorleston	52	42	34	β													
Suffolk	Mildenhall	98	83	60	-	0	0	0	94	418	208	0	6.1	240	16	17 18	30	17 1540
	Felixstowe	85	75	65	-	0	0	0	211	368	141	0	7.7	190	19	11 01	33	13 1505
Bedford	Cardington	226	133	133	-	0	4	10	297	344	69	0	9.7	350	23	13 05	37	13 0555
Hertford	Rothamsted	461	41	33	-	0	0	0	19	478	223	0	4.9	040	14	12 23	29	13 0420
	Stanstead Abbots	138	41	40	-	0	0	0	55	420	191	54	5.5	(230)	13	17 17	(23)	11 1525
Essex	Coryton	66	57	48	-	0	0	0	101	499	120	0	6.8	340	17	13 08	31	13 0720
	Shoeburyness	118	106	91	*													
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	57	461	202	0	5.7	260	16	23 11	35	17 1955
Warwick	Birmingham	643	118	73	-	0	0	0	113	572	35	0	7.7	220	19	17 22	33	17 2125
Stafford	Keele	706	50	40	-	0	0	0	46	431	243	0	5.4	220	15	17 17	34	17 2130
Gloucester	Avonmouth	92	61	33	-	0	2	4	280	234	145	57	9.2	040	25	12 21	38	12 2050
5 London	Kingsway	231	160	40	-	0	0	0	55	557	108	0	6.5	010	15	13 01	29	13 0010
Middlesex	Londway Airport	115	39	33	-	0	0	0	131	450	139	0	6.8	020	17	12 24	34	11 1250
	Hampton	139	101	100	-	0	0	0	84	462	174	0	6.0	270	15	11 14	28	11 1320
Surrey	Kew Observatory	92	75	50	-	0	0	0	86	482	152	0	6.5	360	17	12 24	35	13 0540
	Gatwick	232	38	33	-	0	0	0	82	370	268	0	5.3	200	16	10 16	33	8 1445
Kent	Isle of Grain	48	40	33	-	0	0	0	25	224	471	0	2.8	230	14	17 20	27	
	Dungeness	70	50	33	-													
Sussex	Dover	68	38	62	-	0	0	0	173	305	242	0	6.7	230	19	17 24	37	18 0045
Hampshire	Thorney Island	75	65	42	-	0	0	0	36	335	349	0	4.3	360	18	13 02	32	13 0135
	Southampton (Eastleigh)	95	60	41	λ													
	Calshot	50	41	33	-	0	0	0	280	410	30	0	9.9	120	21	12 16	27	12 1525
	S. Farnborough	318	69	35	-	0	0	0	47	447	226	0	5.4	260	14	11 08	32	10 1410
Berkshire	Abingdon	295	40	40	-	0	0	0	88	311	321	0	5.0	160	16	10 17	30	8 1525
Wiltshire	Larkhill	491	51	36	-	0	0	0	77	420	223	0	5.8	010	19	12 23	33	12 2240
	Porton	406	44	44	-	0	0	0	32	306	382	0	4.0	120	15	12 16	26	11 1230
7a Cumberland	Sellafield	83	39	35	-	0	0	0	352	349	19	0	10.5	320	20	01 18	30	11 1435
	Spadeadam	959	51	40	-	0	1	9	341	282	88	0	10.2	030	29	11 10	41	11 0935
Westmorland	Moor House	1960	50	45	16	5	9	45	276	259	135	0	10.6	230	38	16 21	56	16 2030
Lancashire	Southport	59	41	33	-	0	6	20	377	248	75	0	11.2	280	25	9 02	37	17 1910
	Speke	180	100	65	-	0	2	8	383	305	24	0	11.2	250	29	17 21	43	17 2000
Cheshire	Bidston Observatory	282	64	39	-	0	1	2	248	354	113	3	-	230	23	17 20	42	17 1920
	Manchester Airport	318	70	30	-	0	0	0	187	458	75	0	7.9	200	19	17 20	32	17 1945
7b Anglesey	Aberhead (Valley)	76	50	40	-	0	3	30	296	311	83	0	10.3	230	28	17 19	40	17 1820
8a Cardigan	Holyport	483	41	41	-	0	3	11	387	290	32	0	11.0	340	26	1 14	42	17 1510
Pembroke	Milford Haven	246	50	35	-	0	2	3	179	385	136	17	7.8	020	24	1 15	38	12 1720
Glamorgan	Port Talbot	91	40	35	-	0	2	2	300	300	118	0	9.4	110	22	12 16	36	12 1500
	Rhose	257	37	32	-	0	0	0	203	462	55	0	10.4	050	17	12 20		

MONTHLY WEATHER CHARTS

JUNE 1961



RAINFALL

JUNE 1961

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

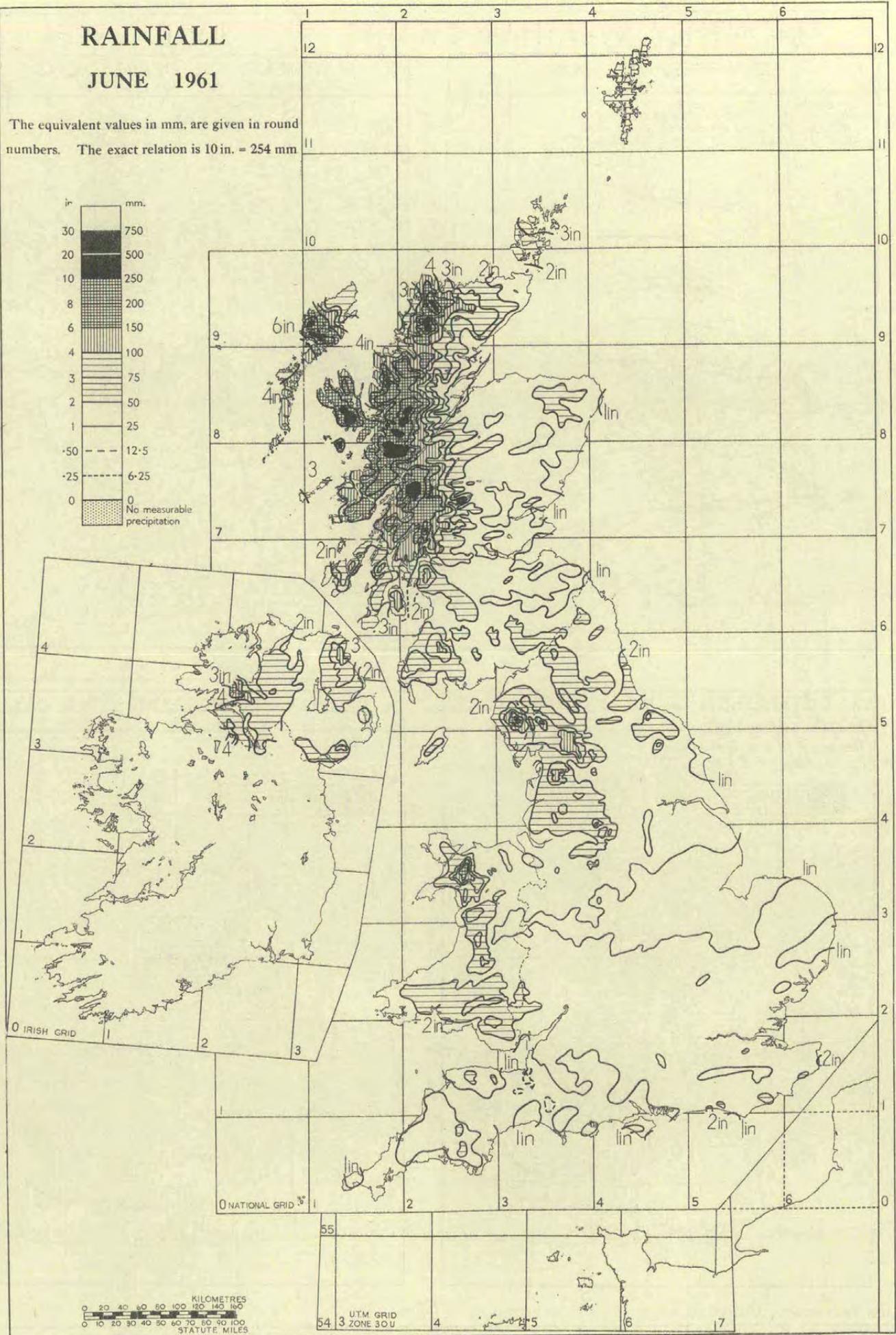
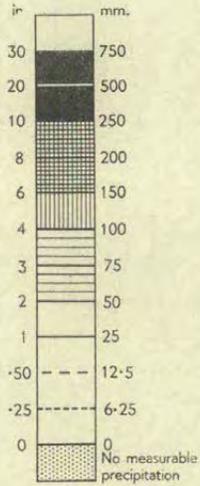


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE								
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Gale	Gale	Daily Mean	Percentage of Average					
			A Max.	B Min.			Maximum	Date	Minimum	Date					Amount	Date																	
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.		0.01 in. (0.2 mm.) or more	0.04 in. (1.0 mm.) or more											hr	%			
0 SCOTLAND, N.																																	
Zetland	Lerwick Obs'y.	21-9	269	12.4	7.6	10.0	+0.3	15.4	30	3.3	13	-	-	3.26	155	.45	16	19	15	0	0	0	0	0	0	0	0	0	5	5.08	95		
	Baltsound	9 9	78	12.8	7.3	10.1	-	16.7	30	3.3	11	7.9	-	3.66	142	.84	9	22	14	0	0	0	0	0	0	0	0	0	2	4.77	-		
Orkney	Sule Skerry	9 9	43	12.4	9.1	10.7	-	16.0	30	7.0	10	-	-	3.28	-	.65	8	22	16	0	0	0	0	0	0	0	0	0	0	-	-		
	Kirkwall (Grimsetter)	21-9	84	13.7	8.1	10.9	-	18.3	29	2.8	14	-	-	2.55	125	.62	8	22	15	0	0	0	0	0	0	0	0	3	2	5.08	-		
Caithness	Dounreay	9 9	70	14.8	7.7	11.3	-	20.6	29	0.0	12	-	-	1.65	-	.42	8	19	13	0	0	0	0	0	0	0	1	3	0	-	-		
	Halkirk (Olgrinbeg)	9 9	232	15.3	6.3	10.8	-	20.6	29	-2.8	12	-	-	1.40	-	.29	5	19	12	0	0	0	0	0	0	0	2	2	-	-			
	Wick	21-9	119	14.5	7.8	11.1	+0.5	18.4	23, 29	0.4	14	-	-	1.31	64	.26	5	22	11	0	0	0	0	0	0	0	0	3	0	4.93	84		
Sutherland	Cape Wrath	21-9	367	12.0	8.4	10.2	-	16.5	29, 30	6.0	11, 27	-	-	5.41	182	.63	8	21	19	0	0	0	0	0	0	0	0	0	0	-	-		
	Lairg (Achany)	9 9	240	16.1	7.2	11.7	-	20.6	29	-0.5	12	12.3	9.5	2.77	-	.90	8	22	16	0	0	0	0	0	0	0	1	9	1	-	-		
	Strathlyon	9 9	120	15.3	7.4	11.3	-	21.1	29	-0.5	12	-	-	2.55	105	1.32	8	20	12	0	0	0	0	0	0	0	1	1	0	4.67	-		
Ross & Cromarty	Stornoway	21-9	11	14.0	8.4	11.2	-0.1	17.8	29	1.4	1	-	-	2.93	114	.39	16	22	17	0	0	0	0	0	0	0	0	4	1	5.21	95		
	Balmacara	9 9	2	13.5	7.7	10.6	-	(18.3)	14	4.4	8	-	-	6.11	-	.75	24	29	28	-	-	-	-	-	-	-	-	-	-	-	-		
	Achnashellach	9 9	220	14.9	8.1	11.5	-0.6	17.8	14, 29	0.0	1	-	-	7.58	151	1.10	23	27	20	0	0	0	0	0	0	0	0	1	0	-	-		
	Kinlochewe	9 9	76	15.9	8.4	12.1	-	20.0	30	0.0	1	-	-	6.18	-	.82	17	24	19	0	0	0	0	0	0	0	0	1	5	1	2.93	-S	
	Garve (Blackbridge)	9 9	690	-	-	-	-	-	-	-	-	-	-	2.04	-	-	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Fortrose	9 9	15	15.2	8.9	12.1	0.0	18.3	30	3.9	12	-	-	1.27	71	.80	25	16	5	0	0	0	0	0	0	0	0	0	3	5.30	90		
	Tarbatness	21-9	60	14.8	9.7	12.3	-	20.5	29	8.0	1, 27	-	-	1.10	-	.22	5	14	9	0	0	0	0	0	0	0	0	0	0	-	-		
Inverness	Benbecula	21-9	19	14.1	9.1	11.6	-	17.2	29	3.7	11	-	-	5.02	172	.87	30	21	16	0	0	0	0	0	0	0	0	2	1	5.25	-		
	Isle of Rhum	9 9	15	15.1	9.0	12.1	-	18.3	14, 29	3.9	1	14.5	11.8	11.30	-	1.61	24	20	20	0	0	0	0	0	0	0	0	1	1	1	-	-	
	Prabost	9 9	220	14.6	8.4	11.5	-	18.3	14, 29	4.4	10, 13	-	-	7.51	-	1.38	16	23	20	0	0	0	0	0	0	0	0	3	3	3.84	-		
	Duntulm	9 9	294	13.1	8.3	10.7	-	16.7	14	4.4	1	-	-	5.78	173	.93	28	23	21	0	0	0	0	0	0	0	0	0	2	4	7.1	-	
	Onich	9 9	48	14.9	8.6	11.7	-0.7	17.8	30	3.3	1, 14	-	-	7.58	155	2.32	24	26	22	-	-	-	-	-	-	-	1	0	5	-	3.24	68S	
	Fort William (Camaghael)	9 9	27	15.5	9.2	12.3	-	19.4	30	2.2	13	13.5	12.4	4.98	-	1.35	24	23	18	0	0	0	0	0	0	0	0	0	1	0	4.09	-	
	Fort Augustus	9 9	70	15.7	8.8	12.3	-0.1	20.6	30	2.8	14	-	-	2.00	-	.58	17	18	10	0	0	0	0	0	0	0	0	0	0	4	4.67	-S	
	Cannich	9 9	350	16.2	7.0	11.6	-	19.4	29, 30	(-1.1)	14	-	-	1.43	57	.50	23	12	11	0	0	0	0	0	0	0	0	2	7	0	-	-	
	Dalwhinnie	18-9	1176	14.3	6.8	10.5	-	19.0	30	1.0	10	-	-	2.37	89	.47	24	18	13	0	0	0	0	0	0	0	0	0	0	7	0	4.14	-S
	Inverness	9 9	13	16.4	9.4	12.9	-	21.1	30	3.9	12, 14	-	-	.32	-	.12	17	5	4	0	0	0	0	0	0	0	0	0	0	0	5.42	-	
	Achnagoichan	9 9	1000	15.3	6.7	11.0	-	21.1	30	-1.7	12	9.9	-	1.75	-	.50	8	16	11	-	-	-	-	-	-	-	2	6	-	-	-		
	Glenmore Lodge	9 9	1120	15.2	6.1	10.7	-	20.1	29	-2.3	12	-	-	1.78	-	.51	10	19	10	4	0	0	0	0	0	0	0	3	6	0	3.98	-S	
1 SCOTLAND, E.																																	
Nairn	Nairn	9 9	20	16.9	8.2	12.5	+0.2	21.7	29, 30	0.6	14	-	-	1.78	95	.61	25	17	8	0	0	0	0	0	0	0	0	2	0	5.65	99		
	Grantown-on-Spey	9 9	720	17.3	6.5	11.9	-	23.3	22, 23	-1.7	12	-	-	.99	-	.27	10	16	12	-	-	-	-	-	-	-	0	2	3	-	-		
	Forres	9 9	155	16.8	8.4	12.6	-	23.3	29	0.6	12	13.5	10.9	1.35	67	.43	25	17	9	0	0	1	0	0	0	0	0	0	1	5.31	-		
	Kinloss	21-9	15	16.8	8.6	12.7	-	22.3	29	0.6	12	-	-	1.63	-	.54	25	16	10	0	0	1	0	0	0	0	0	0	3	0	5.33	-	
	Elgin	9 9	92	16.9	8.9	12.9	-	22.8	30	2.2	12, 14	-	-	1.20	-	.28	25	18	10	0	0	0	0	0	0	0	0	2	0	5.46	-		
	Lossiemouth	9 9	21	16.6	8.3	12.5	-	22.2	30	1.7	12	-	-	1.15	-	.28	25	11	8	0	0	0	0	0	0	0	0	0	1	3	-	-	
	Gordon Castle	9 9	104	16.9	7.6	12.3	-0.3	22.2	30	1.7	12, 14	-	-	1.66	73	.40	8	16	8	-	-	-	-	-	-	-	-	0	0	4.92	86		
Banff	Glenlivet	9 9	1085	15.3	5.5	10.4	-	22.4	29	-3.0	12, 14	9.1	-	1.15	45	.18	25	17	12	0	0	1	0	0	0	0	0	3	8	2	4.95	-	
Aberdeen	Braemar	9 9	1113	15.2	6.4	10.8	-0.3	22.6	29	-1.7	12	-	-	.99	53	.30	8	17	6	-	-	-	-	-	-	-	0	1	5	2	5.26	-S	
	Balmoral	9 9	927	15.7	6.1	10.9	-0.3	21.7	29	-1.1	12	-	-	.60	32	.17	8	14	6	0	0	0	0	0	0	0	0	3	6	0	-	-	
	Logie Coldstone	9 9	608	16.7	7.5	12.1	+0.1	23.9	29	-1.1	14	-	-	.86	-	.31	8	15	8	-	-	-	-	-	-	-	1	-	-	-	-		
	Huntly	9 9	405	16.6	8.1	12.3	-	21.6	29	1.6	14	-	-	2.09	-	.43	7	15	12	0	0	0	0	0	0	0	0	0	1	0	-	-	
	Fyvie Castle	9 9	218	16.6	8.0	12.3	-	21.7	29	0.0	14	-	-	1.93	-	.40	7	14	13	-	-	-	-	-	-	-	1	3	0	4.98	-		
	Craibstone	9 9	300	16.1	7.8	11.9	+0.3	21.7	29	3.3	2, 14	12.0	10.1	1.52	74	.30	7	15	11	0	0	0	0	0	0	0	0	0	0	0	5.54	88	
	Dyce	21-9	190	16.8	7.8	12.3	-	22.6	29	0.6	14	-	-	1.45	67	.35	7	14	9	0	0	0	0	0	0	0	0	3	0	5.31	-		
	Aberdeen	9 9	170	16.4	8.6	12.5	-	22.2	24	1.7	2, 14	-	-																				

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE														
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0-2mm.)	Precip'n (2-5mm.)	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O.C.	Gale	Daily Mean	Percentage of Average													
			A Max.	B Min.		Maximum	Date	Minimum	Date					Amount	Date																										
			Max. Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.			
1 SCOTLAND, E.—cont.																																									
Midlothian cont.																																									
	99	620	16.6	7.6	12.1	-	21.7	30	1.1	1	13.4	-	1.21	-	.30	10	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	605	15.6	8.0	11.8	-	21.1	30	0.6	1	12.2	10.6	1.16	-	.41	10	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	441	16.8	9.4	13.1	+0.4	21.7	29,30	5.0	1,13,14	-	-	.89	47	.33	10	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	200	17.1	9.1	13.1	-	(22.2)	30	3.3	1,14	-	-	.86	-	.37	10	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	99	74	16.8	9.1	12.9	-	22.2	30	3.9	1	13.1	-	.83	-	.25	9	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E. Lothian																																									
	99	162	17.4	8.7	13.1	-	23.3	30	2.2	14	-	-	.69	-	.25	8	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	51	17.3	9.7	13.5	+0.8	24.4	30	5.6	2	-	-	.57	29	.13	10	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	99	75	17.2	10.2	13.7	-	23.9	30	5.6	14	-	-	.84	-	.28	8	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berwick																																									
	99	498	16.7	8.4	12.5	0.0	23.3	30	3.3	14	-	-	.90	45	.37	10	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	245	15.3	10.5	12.9	-	22.3	30	7.0	14	-	-	.80	-	.18	10	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peebles																																									
	99	741	15.8	7.4	11.6	-	21.7	30	0.0	1	-	-	1.12	-	.22	25	17	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	830	15.3	7.5	11.4	-	20.0	30	1.1	13	-	-	.98	-	.21	25	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	800	15.4	6.9	11.1	-	20.6	30	0.6	1,13,14	12.4	10.6	1.54	-	.41	10	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	645	16.1	7.7	11.9	-	(21.1)	24	(1.1)	1	-	-	.74	-	.21	10	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	580	16.4	7.6	12.0	-	21.7	30	1.1	1,14	-	-	.79	-	.21	25	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Selkirk																																									
	99	600	16.8	7.7	12.3	-	22.8	30	0.6	14	-	-	.83	-	.37	10	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Roxburgh																																									
	99	560	16.8	6.8	11.8	-	23.9	30	1.1	14	-	-	1.01	-	.66	10	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	900	16.1	7.3	11.7	-	23.9	30	2.2	28	-	-	1.68	-	.99	10	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6a SCOTLAND, W.																																									
Argyll																																									
	21-9	29	14.5	9.5	12.0	0.0	16.6	29	5.0	13	-	-	2.02	72	.33	14	21	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	21-9	65	14.7	9.9	12.3	-	18.1	29	8.0	10	-	-	3.19	-	.46	14	21	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	87	15.1	8.9	12.0	-	18.3	29	5.6	14	-	-	2.72	82	.36	17	19	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	10	15.8	9.3	12.5	-	18.9	25,26	5.0	12	-	-	2.01	-	.61	5	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	40	15.8	8.5	12.1	-	18.9	15	2.8	1	-	-	3.93	-	.42	25	24	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	99	229	14.9	9.1	12.0	-	18.9	14	5.6	13	-	-	3.98	112	.72	24	23	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	30	16.2	9.2	12.7	-	19.4	13,14	4.4	1	-	-	3.68	-	.50	17	22	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	120	15.6	7.7	11.7	-0.8	19.4	30	1.7	1	-	-	5.41	104	1.10	24	21	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	46	16.4	7.9	12.1	-	22.2	4	2.2	14	13.2	11.8	4.48	85	.48	17	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	40	16.2	9.2	12.7	-	19.4	4	3.9	14	-	-	3.88	-	.45	17	21	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bute																																									
	99	35	15.7	9.3	12.5	-0.2	19.4	14	5.6	2	13.3	11.6	3.78	109	1.11	5	21	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	150	15.3	9.9	12.6	-	17.8	29	6.7	1	-	-	3.01	110	1.07	5	18	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	99	16	16.2	8.7	12.5	-0.5	19.4	29,30	3.3	1	-	-	2.27	67	.39	5	19	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Dunbarton																																									

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE							
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sheet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C. or less	Gale	Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum	Date					Amount	Date	0 in. (0.2mm.) or more	0.01 in. (1.0mm.) or more																
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																			
2 ENGLAND, N.E.—cont.																																		
Northern-berland cont.	Acklington ...	21-9	138	17.3	8.5	12.9	-	25.5	30	1.8	14	-	-	1.75	-	.81	10	10	6	0	0	0	0	0	0	0	0	0	0	0	5.63	-		
Durham	Tynemouth ...	21-9	95	17.1	10.7	13.9	+1.0	26.0	30	6.0	14	-	-	2.48	142	.87	10	8	6	0	0	0	0	0	0	0	0	0	0	0	5.49	-		
	Chopwellwood ...	9 9	446	17.7	8.4	13.1	+0.2	26.1	30	2.8	14	-	-	2.04	100	1.05	10	12	7	0	0	0	0	0	0	0	0	0	0	3	0	-		
	Ushaw College ...	9 9	594	17.2	8.7	12.9	-0.1	25.6	30	3.3	14	-	-	2.08	110	1.00	10	10	8	0	0	0	0	0	0	0	0	1	0	0	-	-		
	Houghall ...	9 9	123	18.2	8.0	13.1	-0.2	26.1	30	0.0	2, 14	-	-	1.88	98	.99	10	9	7	0	0	0	0	0	0	0	0	2	3	0	5.78	968		
	Durham ...	9 9	336	18.1	8.9	13.5	+0.4	26.1	30	1.7	14	13.3	10.9	1.87	104	1.10	10	10	7	-	-	-	-	-	-	0	2	0	0	4.96	82			
	Gateshead ...	9 9	509	16.9	9.8	13.3	-	25.6	30	5.0	14	-	-	1.89	-	1.12	10	10	7	-	-	-	-	-	1	0	1	0	1	0	5.97	-		
	Middleton St. Gge.	21-9	115	18.5	9.5	14.0	-	26.4	30	2.8	14	-	-	1.92	-	1.02	10	10	8	0	0	0	0	0	0	0	0	0	0	2	0	5.92	-	
	West Hartlepool	9 9	30	18.2	10.5	14.3	-	27.2	30	5.0	14	-	-	1.94	-	.88	10	12	7	0	0	0	0	0	0	0	0	0	0	0	5.24	-		
Yorks., N. Riding	Hawes ...	-	745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Dishforth ...	21-9	105	19.3	9.9	14.6	-	28.1	30	3.1	14	-	-	1.23	69	.63	10	9	7	0	0	0	0	0	0	0	0	0	0	0	6.28	-		
	York ...	9 9	57	19.8	10.6	15.2	+0.7	28.9	30	4.4	14	14.9	12.2	1.25	68	.58	10	10	7	0	0	0	0	0	0	0	0	0	0	0	6.21	99		
	Ampleforth ...	9 9	313	18.5	9.4	13.9	+0.5	26.1	30	3.9	14	-	-	1.73	81	.71	10	10	6	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Redcar ...	9 9	25	18.6	10.7	14.7	-	27.8	30	4.4	14	-	-	1.88	107	.47	10	9	8	0	0	0	0	0	0	0	0	0	0	0	5.97	-		
	Whitby ...	9 9	135	18.4	10.0	14.2	-	27.2	30	3.3	14	-	-	1.88	103	.43	8	8	8	0	0	0	0	0	0	0	0	0	0	2	0	5.61	-	
	Scarborough ...	9 9	118	18.5	10.8	14.7	+0.8	24.4	29	6.1	2, 14	-	-	.99	58	.31	8, 10	8	7	0	0	0	0	0	0	0	0	0	0	0	6.11	95		
	Silpho Moor ...	9 9	685	18.3	8.9	13.6	-	26.1	30	3.9	14	12.3	-	1.99	-	.53	8	12	10	0	0	0	0	0	0	0	0	1	2	0	0	-		
Yorks., E. Riding	High Mowthorpe	9 9	574	17.5	8.7	13.1	-	26.1	30	2.8	14	13.7	-	1.57	-	.48	11	10	6	0	0	0	0	0	0	0	0	0	0	1	0	5.77	-	
	Hull ...	9 9	8	20.2	10.6	15.4	+0.9	28.3	30	3.3	2, 14	14.2	10.6	1.22	71	.35	1	8	8	0	0	0	0	0	0	0	0	0	0	2	0	6.74	108	
	Leconfield ...	21-9	24	19.3	9.5	14.4	-	27.9	30	2.4	2	-	-	.39	1	8	5	0	0	0	0	0	0	0	0	0	0	0	1	0	6.91	-		
	Filey ...	9 9	122	17.8	9.3	13.5	-	23.3	29	2.8	14	-	-	.76	-	.24	10	10	8	0	0	0	0	0	0	0	0	0	0	0	6.50	-		
	Bridlington ...	9 9	157	17.9	9.2	13.5	-	24.4	24	3.9	14	-	-	.92	-	.32	8	8	7	0	0	0	0	0	0	0	0	0	0	2	0	6.80	-	
	Spurn Head ...	21-9	29	18.3	11.3	14.8	+1.1	26.0	24	7.4	2	-	-	1.35	-	.75	1	7	4	0	0	0	0	0	0	0	0	0	0	0	7.44	112		
Lincoln	Gainsborough ...	9 9	110	19.7	9.3	14.5	-	28.9	30	3.9	14	-	-	1.65	-	.44	12	8	7	0	0	0	0	0	0	0	0	0	0	0	7.05	-		
	Waddington ...	21-9	224	19.5	10.3	14.9	-	29.0	30	5.6	2	-	-	.61	-	.14	8	7	7	0	0	0	0	0	0	0	0	0	0	0	7.40	-		
	Lincoln ...	9 9	22	20.3	8.7	14.5	-	28.3	30	0.6	14	14.3	12.2	1.04	-	.27	8	9	7	0	0	0	0	0	0	0	0	0	0	4	0	7.40		
	Cranwell ...	9 9	205	20.2	9.7	14.9	+0.7	29.2	30	4.4	14	15.7	14.1	.43	27	.15	26	8	4	0	0	0	0	0	0	0	0	0	0	1	0	7.57	1128	
	Cleethorpes ...	9 9	23	20.9	10.5	15.7	+1.7	28.3	30	5.6	13	-	-	1.29	80	.40	1	8	7	0	0	0	0	0	0	0	0	0	0	0	8.03	119		
	Manby ...	21-9	55	19.6	9.0	14.3	-	26.8	24, 30	2.4	14	-	-	1.07	-	.43	1	7	5	0	0	0	0	0	0	0	0	0	1	0	8.42	-		
	Skegness ...	9 9	15	20.1	10.3	15.2	+1.4	29.4	24, 25	3.9	14	-	-	.65	43	.26	7	5	0	0	0	0	0	0	0	0	0	0	0	0	8.04	116		
3 ENGLAND, E.																																		
Norfolk	Terrington	9 9	13	20.4	8.9	14.7	-	28.3	30	2.2	14	14.6	-	1.05	70	.40	1	7	6	0	0	0	0	0	0	0	0	0	0	0	6.41	-		
	St. Clement ...	9 9	13	20.4	8.9	14.7	-	28.3	30	2.2	14	14.6	-	1.05	70	.40	1	7	6	0	0	0	0	0	0	0	0	0	0	0	6.41	-		
	Marham ...	21-9	76	20.5	9.6	15.1	-	29.2	30	2.2	14	-	-	.79	-	.31	12	9	6	0	0	0	0	0	0	0	0	0	0	0	2	0	-	
	Santon Downham	9 9	80	21.6	6.8	14.2	-	30.0	30	-2.2	14	13.3	11.1	1.16	-	.39	15	8	7	-	-	-	-	-	-	-	0	3	10	-	-			
	West Raynham ...	21-9	250	20.0	9.4	14.7	-	28.1	30	3.4	14	-	-	.89	-	.33	12	9	5	0	0	0	0	0	0	0	0	0	0	0	1	0	7.19	-
	Cromer ...	9 9	178	19.3	10.4	14.9	+0.6	28.3	30	4.4	10	-	-	.83	56	.25	11	8	7	-	-	-	-	-	-	-	-	-	-	-	8.46	124		
	Sprowston ...	9 9	93	20.5	9.4	14.9	+0.6	28.3	25, 30	3.9	10, 14	14.1	-	1.24	71	.34	1	9	6	0	0	0	0	0	0	0	0	0	0	0	5	0	7.39	110
	Burlingham ...	9 9	89	20.2	9.9	15.1	-	28.3	25	4.4	14	-	-	1.53	91	.45	7	9	7	0	0	0	0	0	0	0	0	0	0	0	0	7.94	-	
	Gorleston ...	21-9	5	18.6	11.3	14.9	+0.8	28.1	25	5.1	14	15.4	13.0	.97	58	.35	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	8.20	116	
Suffolk	Mildenhall	21-9	15	21.3	10.2	15.7	-	29.6	30	3.1	14	-	-	.78	52	.49	12	7	3	0	0	0	0	0	0	0	0	0	0	0	0	7.61	-	
	East Bergholt ...	9 9	14	21.3	9.2	15.3	-	28.9	25, 30	2.2	14	-	-	1.29	-	.69	12	10	7	0	0	0	0	0	0	0	0	0	0	0	4	0	-	
	Wattisham ...	21-9	292	20.0	9.3	14.7	-	27.2	25, 30	2.8	14	-	-	1.04	-	.44	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	-
	Felixstowe ...	21-9	10	19.2	12.4	15.8	+1.0	25.6	24	7.7	14	-	-	1.20	90	.64	12	7	4	0	0	0	0	0	0	0	0	0	0	0	0	8.57	113	
	Lowestoft ...	9 9	82																															

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS						EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE											
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n 40 in. (0.2mm) or more	Precip'n 48 in. (1.2mm) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets, etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0 C or less	Gale	Daily Mean	Percentage of Average									
			A	B			Maximum	Date					Minimum	Date														Amount	Date							
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	40 in. (0.2mm) or more	48 in. (1.2mm) or more											hr	%							
4 MIDLAND COUNTIES—cont.																																				
Yorks.,	9 9	315	19.0	9.5	14.3	+0.6	27.2	30	2.8	14	-	-	1.29	57	.99	10	6	5	0	0	0	0	0	0	0	0	0	0	0	5.65	94					
W. Riding—	9 9	429	19.2	10.3	14.7	+0.4	27.8	30	5.6	14	13.9	11.4	1.33	71	.62	12	10	7	0	0	0	0	0	0	0	0	0	0	0	6.66	108					
cont.	9 9	121	20.7	9.4	15.1	+0.6	28.9	30	3.3	14	13.3	11.3	1.02	63	.54	10	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0					
Killinghall	9 9	365	18.4	8.9	13.7	-	27.2	30	2.8	2	-	-	1.13	-	.71	10	7	6	0	0	0	0	0	0	0	0	0	0	0	0	6.43	-				
Pontefract	9 9	255	18.7	9.9	14.3	+0.6	27.2	30	6.1	10	-	-	1.15	71	.48	10	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0					
Bramham	9 9	177	19.5	9.1	14.3	-	28.3	30	2.2	14	-	-	1.18	-	.48	10	9	6	0	0	0	0	0	0	0	0	0	0	0	0	6.25	-				
Cawood	9 9	20	19.7	8.9	14.3	-	27.8	30	2.2	14	14.9	12.8	1.29	70	.53	10	9	6	0	0	0	0	0	0	0	0	0	0	0	0	5.95	-				
Askham Bryan	9 9	110	19.4	9.4	14.4	-	28.3	30	3.9	14	-	-	1.30	68	.50	10	8	5	0	0	0	0	0	0	0	0	0	0	0	0	6.15	-				
Buxton	9 9	1007	16.4	8.4	12.4	+0.1	25.6	30	2.2	14	13.4	12.3	2.01	63	.70	10	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-				
Chapel en le Frith	9 9	728	17.7	7.8	12.7	-	26.7	30	1.7	14	-	-	2.14	-	.74	10	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-				
Wirksworth	9 9	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Mackworth	9 9	293	19.1	8.8	13.9	-	27.8	30	3.3	14	-	-	1.03	-	.28	12	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Belper	9 9	203	19.9	8.8	14.3	+0.1	27.2	24	2.2	14	-	-	1.06	59	.35	8	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Derby	9 9	159	20.2	9.8	15.0	-	28.9	30	3.2	14	-	-	1.21	-	.37	10	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.21	-			
Morley	9 9	350	19.6	9.1	14.3	-	28.3	30	4.4	10, 14	-	-	1.00	-	.30	12	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.28	-			
Chesterfield	9 9	298	17.9	8.9	13.4	-	27.8	30	3.3	14	-	-	1.38	-	.68	12	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-			
Sutton Bonington	9 9	157	19.8	8.7	14.3	+0.1	28.3	30	1.1	14	13.6	-	.79	54	.21	12	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.45	118			
Watnall	21-9	385	19.7	9.4	14.5	-	29.5	30	4.4	14	-	-	.93	54	.27	7	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.30	-			
Mansfield	9 9	362	19.3	10.1	14.7	+0.5	28.3	30	5.0	14	14.7	-	1.03	62	.27	7	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Nottingham	9 9	192	20.1	10.3	15.2	+0.5	28.9	30	5.0	14	14.7	12.3	.72	49	.18	26	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.17	119			
Warsop (Gleadthorpe)	9 9	150	19.8	7.6	13.7	-	27.8	30	0.0	14	-	-	1.00	67	.29	12	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.48	-		
Finningley	21-9	34	19.8	10.0	14.9	-	29.7	30	3.9	14	-	-	1.38	-	.40	12	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.77	-		
Langar	21-9	106	20.5	9.0	14.7	-	29.4	30	0.8	14	-	-	.52	-	.20	26	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Leicester	9 9	388	20.0	7.8	13.9	-	27.8	30	1.7	14	-	-	.94	-	.31	12	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.45	-		
Leicester (Towers)	9 9	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Caldecott	9 9	175	20.9	7.3	14.1	-	30.0	30	-0.5	10, 14	-	-	.61	-	.27	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.26	-		
Northampton	9 9	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Wellingborough	9 9	193	20.9	8.8	14.9	-	29.4	30	2.8	14	15.7	11.8	1.54	103	.87	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Raunds	9 9	212	20.2	9.4	14.8	-	28.9	30	3.8	10	-	-	.83	-	.32	12	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.50	-	
Wittering	21-9	450	19.6	9.9	14.7	-	27.2	30	5.6	10	-	-	.71	-	.36	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Warwick	Birmingham K.E.S.	9 9	450	19.6	9.9	14.7	-	27.2	30	5.6	10	-	-	.71	-	.36	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Birmingham	21-9	536	19.3	10.3	14.8	+0.5	27.2	30	7.2	1	12.0	10.6	.99	52	.36	12	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.53	124	
Luddington	9 9	138	20.9	8.8	14.9	-	28.9	30	3.3	10	-	-	1.54	97	1.21	12	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.57	-	
Stratford on Avon	9 9	160	20.9	8.3	14.6	-	28.3	30	3.3	21	16.9	-	1.65	-	1.29	12	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.21	-	
Birmingham Airport	21-9	319	20.0	8.9	14.5	-	27.6	30	2.8	14	-	-	1.03	62	.44	12	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.09	-	
Shipston on Stour	9 9	365	19.9	9.3	14.6	-	27.8	30	5.6	10	14.3	-	1.47	-	1.07	12	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.68	-	
Wellesbourne	9 9	153	20.6	8.7	14.7	-	28.9	30	2.8	10	-	-	1.37	90	1.15	12	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.54	-	
Moreton Morrell	9 9	280	20.4	7.8	14.1	-	28.3	30	3.9	2	-	-	1.62	-	1.23	12	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.49	-	
Coventry	9 9	338	19.8	8.9	14.3	-0.4	27.8	30	4.4	10	15.0	11.6	.65	37	.32	12	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.97	1158		
Rugby	9 9	385	20.3	11.1	15.7	-	28.9	30	3.9	1	16.2	13.5	1.07	-	.47	12	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Oxford	9 9	208	20.8	10.2	15.5	+0.4	29.4	30	6.1	14	16.5	13.9	1.33	79	1.00	12	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.71	115	
Buckingham	9 9	316	20.7	9.1	14.9	-	28.9	30	4.4	1, 20	-	-	1.35	-	1.04	12	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.98	-
Stafford	9 9	587	17.6	9.0	13.3	-	25.6	30	5.6	1	13.7	11.2																								

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER										BRIGHT SUNSHINE								
			Means of		Mean Temperature of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Number of days										Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum	Date					Amount	Date	-01in. (0.4mm.) or more	-004in. (1.0mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less			Cale				
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.											hr	%						
5 ENGLAND, S.E.—cont.																																	
Surrey	Wisley ...	9 9	150	21.3	9.2	15.3	+0.1	30.0	30	4.4	10	15.7	13.5	1.29	77	.70	12	10	6	0	0	0	0	0	0	0	0	0	0	0	0	7.96	115
	Mickleham ...	9 9	179	20.4	8.0	14.2	-	28.3	30	2.8	10	-	-	1.48	87	.85	12	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kew Observatory §§	21-9	18	21.0	11.4	16.2	+0.5	29.3	30	7.2	10	16.2	13.6	1.39	81	.95	12	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gatwick ...	21-9	192	21.2	8.1	14.7	-	28.8	30	2.8	10	-	-	.95	-	.54	12	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Croydon (Waddon)	9 9	220	21.1	10.2	15.7	+0.4	28.3	30	6.1	2	-	-	1.35	84	.86	12	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Addington ...	9 9	474	20.6	10.4	15.5	+0.8	28.3	30	7.2	9,10,14	-	-	1.70	98	1.01	12	10	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Kent	Bromley ...	9 9	213	21.3	10.7	16.0	+0.4	28.9	30	6.1	10	-	-	1.64	104	1.05	12	8	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	Swanley ...	9 9	177	21.8	8.8	15.3	-	29.4	30	1.7	10	15.1	-	1.53	-	1.09	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dartford ...	9 9	17	22.1	9.8	15.9	-	30.6	30	5.0	10	-	-	1.48	101	1.07	12	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tunbridge Wells	9 9	351	20.4	8.9	14.7	0.0	28.3	30	4.4	9,10	16.4	14.4	1.10	64	.45	12	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Goudhurst ...	9 9	280	20.6	8.4	14.5	-	28.9	30	3.3	10	-	-	1.00	56	.61	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	East Malling §§	9 9	122	21.3	8.5	14.9	+0.3	29.4	30	2.8	10	-	-	1.75	109	1.17	12	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Benenden ...	9 9	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Gillingham ...	9 9	10	22.4	10.8	16.6	-	31.1	30	7.2	14,15	-	-	1.34	-	.97	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sittingbourne ...	9 9	224	20.6	10.1	15.3	-	28.9	30	5.6	14	15.9	13.2	1.55	-	.98	12	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Isle of Grain ...	9 9	9	21.3	11.9	16.6	-	28.3	30	7.8	9	-	-	1.40	-	1.03	12	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Throley ...	9 9	493	19.9	9.5	14.7	-	27.2	30	5.6	14,15	15.9	12.6	1.32	-	.89	12	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Faversham ...	9 9	157	20.8	9.9	15.3	-	28.9	30	5.0	10	15.7	13.6	1.08	-	.70	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dungeness ...	21-9	10	18.3	10.8	14.5	-	24.0	29	6.5	9	-	-	1.71	131	.73	6	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wye ...	9 9	185	20.4	9.3	14.9	+0.3	27.8	30	3.3	10	-	-	1.17	73	.75	12	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Whitstable ...	9 9	9	20.4	10.9	15.7	-	28.9	30	5.0	10	-	-	1.45	112	1.09	12	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Folkestone ...	9 9	128	18.9	11.9	15.4	-	26.7	30	8.9	1,9,14	-	-	1.68	120	.81	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wingham (Elmstone)	9 9	28	20.9	9.5	15.2	-	28.9	30	3.9	10	-	-	1.34	-	.69	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Herne Bay ...	9 9	21	20.9	12.2	16.5	-	29.4	30	7.8	10	-	-	1.45	108	1.13	12	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dover ...	9 9	19	18.7	11.7	15.2	+0.6	25.0	29,30	7.8	10	16.8	15.0	1.64	102	.96	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dover R.M.S. ...	9 9	402	17.9	10.7	14.3	-	25.0	30	7.2	1,10	-	-	1.81	105	1.12	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Deal ...	21-9	18	19.3	12.8	16.1	-	24.8	24	8.8	1,6	-	-	2.08	-	.67	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ramsgate ...	9 9	80	19.2	12.4	15.8	-	25.0	24	8.3	14	-	-	1.41	99	.80	12	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Manston ...	21-9	145	18.8	10.8	15.3	-	26.9	30	6.7	9,14	-	-	1.56	-	1.04	12	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Margate ...	9 9	51	19.3	12.7	16.0	+1.1	26.7	24	8.9	9	16.5	14.2	1.32	106	.95	12	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sussex	Thorney Island	21-9	10	19.8	10.4	15.1	-	25.2	30	5.2	10	-	-	.81	57	.52	12	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bognor Regis ...	9 9	24	18.7	11.1	14.9	+0.1	23.3	6	7.8	1,9,10	-	-	1.45	92	.61	12	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Littlehampton ...	9 9	15	18.9	10.7	14.8	-0.2	24.4	6	6.7	9,10	-	-	1.11	70	.66	12	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rustington ...	9 9	10	19.0	9.1	14.1	-	25.0	30	2.8	10	-	-	1.33	1.04	-	.65	12	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	Worthing ...	9 9	25	19.1	11.4	15.3	+0.2	23.3	6,30	7.8	9	15.7	13.8	1.33	87	.78	12	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Brighton ...	9 9	32	18.1	11.7	14.9	-	26.7	30	7.2	10	-	-	1.47	86	.78	12	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	East Grinstead ...	9 9	440	21.0	8.3	14.1	-	28.9	30	2.8	10	-	-	1.30	-	.34	12	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Seaford ...	9 9	45	18.4	10.3	14.3	-	26.6	30	7.2	1,9,28	-	-	1.24	-	.80	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Eastbourne ...	9 9	35	18.4	11.6	15.0	+0.2	22.8	29	8.3	1	16.4	14.4	1.29	79	.84	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Eastbourne (C/guard)	21-9	17	18.9	11.3	15.1	-	23.7	29	7.6	1	-	-	1.24	-	.80	12	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bexhill ...	9 9	14	18.4	11.4	14.9	+0.1	24.4	30	7.2	10	16.9	-	1.23	81	.63	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sedlescombe ...	9 9	175	20.1	9.1	14.6	-	28.3	30	5.0	9	-	-	2.01	-	.86	12	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bodiam ...	9 9	73	20.7	8.5	14.6	-	27.8	30	6.8	10	16.0	13.2	1.30	-	.74	12	7	5	0	0	0	0	0									

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1961

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)					VISIBILITY					WIND, NUMBER OF OBSERVATIONS																										
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS					FORCE (0-12)				DIRECTION																						
									0	1	2	3	4	5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-8 mi.	7-12 mi.	13-24 mi.	25 mi. or over	8 or more knots	6 to 7	4 to 5	1 to 3	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
			g.m.t.	ft.	mb.	mb.	°C.	°C.	mb.	%	0	1	2	3	4	5	6	7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-8 mi.	7-12 mi.	13-24 mi.	25 mi. or over	8 or more knots	6 to 7	4 to 5	1 to 3	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
2 ENGLAND, N.E.—cont.																																													
Northumberland—cont. Tynemouth	H	3	130	1014.2	-	11.4	1.5	11.1	82	5.9	1	4	4	9	12	0	0	0	0	0	0	0	0	0	1	14	6	0	0	3	7	17	3	3	0	0	1	0	2	2	19	0			
	H	9	130	1015.0	-0.2	14.1	2.7	11.5	71	5.8	1	1	10	11	7	0	0	0	0	0	0	0	0	0	1	15	4	0	0	3	7	15	3	3	0	0	1	0	1	4	2	15	0		
	H	15	130	1014.8	-	15.7	3.8	11.0	64	6.3	1	0	6	17	6	0	0	0	0	0	0	0	0	1	2	3	7	14	0	0	2	18	10	0	0	0	0	1	1	1	4	2	14	0	
	H	21	136	1014.9	-	13.7	2.2	11.9	76	5.7	2	2	1	9	11	7	0	0	0	0	0	0	0	1	2	1	15	15	0	0	2	10	0	0	0	0	0	0	0	0	0	1	1	16	0
Durham Middleton St. George	H	3	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	H	9	118	1015.6	-	14.7	2.8	11.7	70	5.8	0	2	8	11	9	0	0	0	0	0	0	0	0	1	6	6	6	6	0	0	7	23	1	1	1	1	1	1	1	1	1	1	1	1	1
	H	15	118	1015.4	-	17.2	4.8	11.3	59	6.4	1	1	3	20	5	0	0	0	0	0	0	0	0	0	0	4	6	6	0	0	15	15	0	0	0	0	0	0	0	0	0	0	0	0	0
	H	21	118	1015.7	-	13.3	1.8	12.0	77	4.9	1	5	9	9	6	0	0	0	0	0	0	0	0	0	0	4	7	4	0	0	15	15	0	0	0	0	0	0	0	0	0	0	0	0	
Yorks., N. Riding Dishforth ...	H	3	131	1015.0	-	10.6	1.0	11.3	88	5.6	1	6	2	12	9	0	0	0	0	0	0	0	0	0	4	7	4	0	0	6	26	2	2	1	1	1	1	1	1	1	1	1	1	1	
	H	9	131	1015.7	-	15.0	2.8	12.0	70	6.2	0	0	3	5	14	8	0	0	0	0	0	0	0	0	0	8	6	6	0	0	14	16	0	0	0	0	0	0	0	0	0	0	0	0	0
	H	15	131	1015.4	-	17.9	4.8	11.4	57	6.8	0	0	0	4	16	10	0	0	0	0	0	0	0	0	0	4	6	11	4	0	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0
	H	21	131	1015.8	-	14.1	2.4	12.1	75	5.5	1	3	8	10	8	0	0	0	0	0	0	0	0	0	0	2	8	2	0	0	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0
Yorks., E. Riding Leconfield	H	3	28	1015.3	-	10.6	0.8	11.5	90	5.0	1	8	5	8	8	0	0	0	0	0	0	0	0	0	1	7	9	10	2	2	6	13	1	1	1	1	1	1	1	1	1	1	1	1	
	H	9	28	1015.9	-	15.6	2.9	12.4	70	5.3	1	5	4	17	3	0	0	0	0	0	0	0	0	0	1	7	9	10	2	2	6	13	1	1	1	1	1	1	1	1	1	1	1	1	
	H	15	28	1015.6	-	18.2	4.3	12.6	62	6.2	1	0	5	19	5	0	0	0	0	0	0	0	0	0	0	7	7	11	4	0	15	13	2	2	2	2	2	2	2	2	2	2	2	2	
	H	21	28	1016.0	-	13.8	1.8	12.7	80	5.4	1	5	6	11	7	0	0	0	0	0	0	0	0	0	0	5	6	11	4	0	15	13	2	2	2	2	2	2	2	2	2	2	2	2	
Spurn Head	H	3	54	1015.3	-	12.2	1.1	12.4	86	4.7	1	7	9	6	7	0	0	0	0	0	0	0	0	0	3	26	1	0	0	1	14	14	1	3	3	3	3	3	3	3	3	3	3	3	3
	H	9	54	1016.0	+0.2	14.7	3.1	13.1	78	4.3	5	3	9	12	1	0	0	0	0	0	0	0	0	0	1	27	2	0	0	2	9	16	3	1	1	1	1	1	1	1	1	1	1	1	
	H	15	54	1015.9	-	16.6	3.1	13.1	71	6.0	1	0	9	16	4	0	0	0	0	0	0	0	0	0	2	23	5	0	0	1	15	13	3	3	3	3	3	3	3	3	3	3	3	3	
	H	21	54	1016.0	-	14.3	1.8	13.1	80	5.3	1	4	5	15	5	0	0	0	0	0	0	0	0	0	1	18	0	0	0	0	14	14	2	4	4	4	4	4	4	4	4	4	4	4	
Lincoln Waddington	H	3	227	1016.1	-	10.9	1.0	11.5	88	4.8	5	4	4	10	7	0	0	0	0	0	0	0	0	1	4	16	8	1	0	0	14	14	1	1	1	1	1	1	1	1	1	1	1	1	
	H	9	227	1016.7	-	15.4	2.9	12.3	71	5.2	1	4	7	13	5	0	0	0	0	0	0	0	0	0	1	11	12	6	0	0	12	18	3	3	3	3	3	3	3	3	3	3	3	3	
	H	15	227	1016.6	-	14.5	2.5	12.2	75	4.8	2	9	3	8	8	0	0	0	0	0	0	0	0	0	1	5	11	11	0	0	15	14	1	1	1	1	1	1	1	1	1	1	1	1	
	H	21	227	1016.6	-	14.5	2.5	12.2	75	4.8	2	9	3	8	8	0	0	0	0	0	0	0	0	0	1	2	5	19	3	0	0	15	14	1	1	1	1	1	1	1	1	1	1	1	
Manby ...	H	3	47	1015.8	-	9.8	0.7	11.2	92	4.9	2	7	4	10	7	0	0	0	0	0	0	0	0	0	17	13	3	2	0	1	4	24	1	1	1	1	1	1	1	1	1	1	1	1	
	H	9	47	1016.4	-	16.1	2.8	13.2	72	5.0	2	6	4	13	5	0	0	0	0	0	0	0	0	0	0	9	16	3	2	0	15	14	1	1	1	1	1	1	1	1	1	1	1		
	H	15	47	1016.1	-	18.3	4.0	13.4	64	6.3	0	3	2	18	7	0	0	0	0	0	0	0	0	0	1	1	6	14	6	0	16	13	1	3	3	3	3	3	3	3	3	3	3		
	H	21	47	1016.5	-	13.1	1.5	12.6	83	5.4	0	6	4	13	7	0	0	0	0	0	0	0	0	1	2	9	16	1	0	2	25	3	3	3	3	3	3	3	3	3	3	3	3		
3 ENGLAND, E.																																													
Norfolk Marham	H	3	89	1016.3	-	10.5	0.7	11.6	90	4.7	3	9	1	7	10	0	0	0	0	0	0	0	0	0	3	19	7	1	0	6	20	4	3	3	3	3	3	3	3	3	3	3	3		
	H	9	89	1017.1	-	16.3	3.3	12.8	70	5.5	0	7	5	10	8	0	0	0	0	0	0	0	0	0	1	6	14	7	2	0	16	12	2	2	2	2	2	2	2	2	2	2	2		
	H	15	89	1016.5	-	19.7	5.2	12.4	55	5.7	0	6	2	18	4	0	0	0	0	0	0	0	0	0	0	2	13	7	8	0	19	11	0	0	0	0	0	0	0	0	0	0	0		
	H	21	89	1017.0	-	15.0	2.4	12.8	75	4.5	2	10	4	5	9	0	0	0	0	0	0	0	0	0	0	9	14	6	1	0	6	21	3	4	4	4	4	4	4	4	4	4	4		
West Raynham	H	3	263	1016.0	-	10.3	0.8	11.5	89	4.0	4	9	5	4	8	0	0	0	0	0	0	0	0	0	1	14	13	2	0	0	8	20	3	2	2	2	2	2	2	2	2	2	2		
	H	9	263	1016.6	-	15.8	3.1	12.5	69	5.0	0	2	5	8	7	0	0	0	0	0																									

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-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	783	7	122	9	475.7	30	371	8	120	9	284.1	30	764	7	128	9	488.7	30
Eskdalemuir	761	29	128	6	425.2	30	395	30	124	6	277.6	29	718	29	142	6	419.9	30
Cambridge	778	28	76	1	548.3	30	436	4	74	1	282.5	30	-	-	-	-	-	-
Kingsway	784	25	58	1	494.4	30	368	16	53	1	277.1	28	997	25	69	1	566.1	30
Kew	783	25	56	1	503.6	30	363	16	56	1	256.2	30	827	25	79	1	533.5	30
Aberporth	898	9	178	12	623.1	30	441	3	167	29	294.1	30	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN JUNE 1961 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.										MINIMUM TEMPERATURE °C.																						
	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° 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	2	27	1	0	0	0	0	0	0	0	3	25	2	0	Birmingham	0	0	0	4	14	9	3	0	0	0	0	0	0	15	15	0
Stornoway	0	0	0	23	7	0	0	0	0	0	0	0	4	16	10	0	Kew Observatory	0	0	0	1	10	14	5	0	0	0	0	0	0	9	19	2
Craibstone	0	0	0	13	13	4	0	0	0	0	0	0	3	25	2	0	Hastings	0	0	0	2	24	4	0	0	0	0	0	0	8	21	1	
Rothsay	0	0	0	11	19	0	0	0	0	0	0	0	0	21	9	0	Southampton	0	0	0	2	9	18	1	0	0	0	0	0	0	16	14	0
Renfrew	0	0	0	1	28	1	0	0	0	0	0	0	3	16	11	0	Stonyhurst	0	0	0	8	18	4	0	0	0	0	0	2	22	6	0	
Eskdalemuir	0	0	0	16	13	1	0	0	0	0	0	0	7	17	6	0	Bidston Observatory	0	0	0	10	14	5	1	0	0	0	0	0	6	24	0	
Douglas	0	0	0	16	14	0	0	0	0	0	0	0	0	17	13	0	Holyhead (Valley)	0	0	0	8	22	0	0	0	0	0	0	10	20	0		
Cockle Park	0	0	0	5	21	4	0	0	0	0	0	0	3	19	8	0	Falmouth	0	0	0	1	26	3	0	0	0	0	0	13	17	0		
Gorleston	0	0	0	5	17	5	3	0	0	0	0	0	0	10	19	1	Aldergrove	0	0	0	7	19	4	0	0	0	0	2	14	14	0		
Cambridge	0	0	0	13	16	2	0	0	0	0	0	0	0	14	16	1	Armagh	0	0	0	2	24	4	0	0	0	0	2	18	10	0		

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE						
				Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average						
				A	B		Maximum	Date	Minimum	Date					Amount	Date													0 in. (0.2mm.) or more	0.01 in. (0.25mm.) or more	0.1 in. (2.5mm.) or more	0.2 in. (5mm.) or more		
1960		G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.															hr	%		
September	Exmouth													6.20	199																			
October	Ruscombe																																	
October	Cirencester																																	
October	Whitstable																																	
October	Dover																																	

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 701

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

Volume 78 Number 7

Published by HER MAJESTY'S STATIONERY OFFICE



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July 1961 — *Cloudy and rather cool, dry in the south*

Apart from an unsettled spell on the 11th—16th, weather during the month was mainly anticyclonic with high pressure either to the west or south-west of the British Isles.

Throughout the first week an anticyclone was centred to the south-west of the country while to the north disturbances moved south-eastwards towards Scandinavia. The very warm weather at the end of June persisted into July over much of England and Wales; on the 1st afternoon temperatures exceeded 25°C over much of the country and reached 32°C in parts of East Anglia and south-east England. Thunderstorms occurred locally. The 2nd was considerably cooler especially in south-east England where there was widespread thundery rain associated with a small depression over northern France. The next day many northern districts had rain and gales as a vigorous depression moved south-east across Scotland to the North Sea, and winds also reached gale force in places on the 4th in the strong north-westerly air-stream which spread over the whole country behind the depression. There were a few scattered showers on the 4th but the next two days were generally fine with long sunny periods in the ridge of high pressure which had spread from the Atlantic to cover much of the country; over 15hr of sunshine was recorded in South Wales and the Channel Isles on the 6th.

The anticyclone to the south-west of the British Isles moved slowly westwards on the 7th-10th and moderate westerly winds brought cloudy and rather unsettled weather to most parts of the country although rainfall amounts in the south were small.

During the period 11th-16th weather over the country was dominated by a vigorous depression which became a complex system as it moved from south-west England to the North Sea. On the 11th a depression in the South-West Approaches deepened and winds over Cornwall freshened from the south as it approached the mouth of the English Channel. Rain was heavy and prolonged over most of the country on the 12th as the depression moved eastward and filled while another vigorous depression formed over south-east Scotland. Many places recorded more than 1in. of rain in 24 hr and there were floods in north-western and Midland districts; 3.31 in. of rain fell at Bolton in 24hr, the greatest daily rainfall there since records began in 1887. On the 14th and 15th a complex depression persisted over the British Isles and there were thundery outbreaks of rain, heavy at times, in most districts. Thunderstorms were widespread and locally heavy on the 15th, and rain or showers occurred in most districts on the 16th and 17th before the depression finally cleared the country; a fall of 1.14 in. in 12 hr was recorded at Stornoway on the 16th.

Thereafter the weather slowly improved as an anticyclone formed to the west of Ireland. The 18th was the beginning of a dry anticyclonic spell which lasted nearly a week, though with northerly winds, temperatures were somewhat below average. There was a short break in the anticyclonic weather on the 24th-27th. Rain was heavy locally in northern districts on the 25th and 26th as a vigorous eastward moving depression skirted the north coast of Scotland, but most southern districts remained dry. On the 27th, however, a small disturbance moved south-east across Ireland and south-west

England and there was rain in all areas. During the last four days of the month, with a ridge of high pressure extending eastward across the country, weather was mostly fine and sunny.

Pressure and Wind — Mean pressure was above average everywhere except in the extreme north, the mean deviation at 9 hr ranging from -0.7 mb at Lerwick to + 2.2 mb at Holyhead and Scilly. Surface winds were mainly light and variable until the 3rd, northerly on the 4th and 5th, subsequently becoming westerly until the 10th, variable on the 11th-14th and thereafter, apart from a period of south-westerlies on the 24th-27th, northwesterly winds predominated until the end of the month. Winds reached gale force on 7 days in Scotland and on the 3rd, 4th, 13th-15th and 26th in England and Wales. Gusts of 59 kt and 60 kt were recorded at Tiree and Benbecula respectively on the 3rd; on the 13th a gust of 62 kt was recorded at Jersey which, apart from the gale of July 29th 1959, was the highest gust ever recorded during July in the United Kingdom.

Temperature — Mean temperature was 0.9°C below the 1921-50 average in England and Wales and in Scotland and 1.1°C below average in Northern Ireland. The 1st was unusually warm, especially in south-east England where temperature reached 33.9°C at a number of places around the London area. The coldest periods were 3rd-6th, 11th-14th and 26th-28th in England and grass minimum temperatures were 0°C or below at one place or another on 13 mornings. In Scotland temperature on the grass fell to -3.9°C at Dalwhinnie on the 14th.

Extremes included: (England and Wales) 33.9°C at several places on the 1st, -1.1°C at Santon Downham on the 6th; (Scotland) 24.4°C at Dundee and Montrose on the 11th, -0.5°C at Tarfside on the 6th and 14th; (Northern Ireland) 21.1°C at Hillsborough on the 1st and at Armagh on the 17th, 3.9°C at Ballykelly on the 2nd, Garvagh on the 6th and Loughgall on the 6th and 19th.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 86 over England and Wales, 108 over Scotland and 68 over Northern Ireland. In England rainfall was less than half the average in the Scilly Isles and south-east Devon and more than twice the average locally in the north-east. Most of the rainfall of the month was associated with the depressions of the 11th-16th.

Thunder was heard in Scotland on 4 days and in England and Wales on the 1st-2nd, 7th-8th, 10th-15th, 18th-19th and 26th-28th (15 days); it was widespread on the 2nd and 15th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 92 in England and Wales, 74 in Scotland and 75 in Northern Ireland. At Tiree it was the dullest July since records began there in 1927.

Fog — Early morning fog occurred at one place or another on 14 days in Scotland and on 16 days in England and Wales, it was widespread in north-east England on the 12th.

Miscellaneous Phenomena — The aurora was seen at Benbecula on the night of the 30th/31st.

TABLE I—DISTRICT VALUES— JULY 1961 (1908, revised 1928, 1941 and 1956)

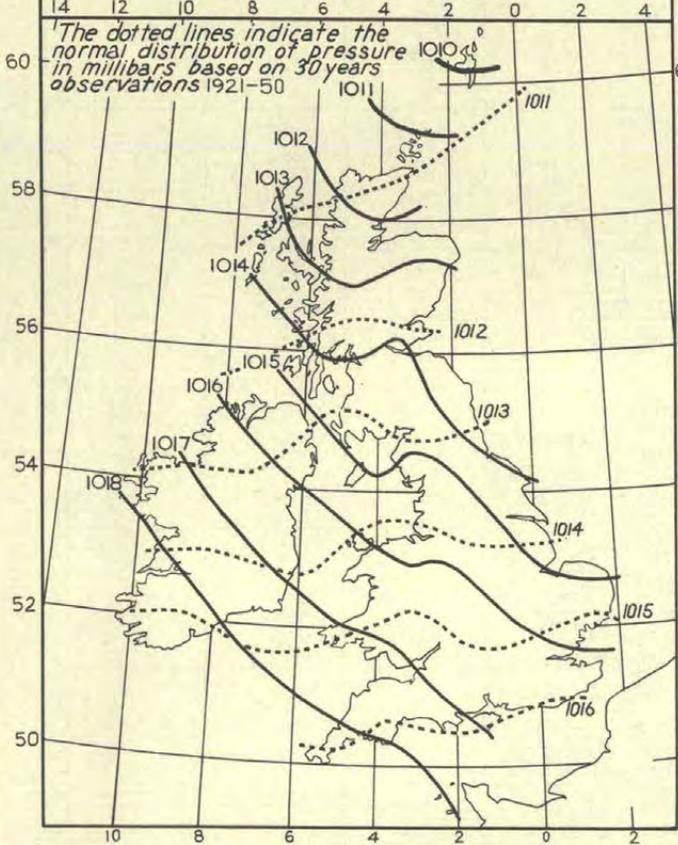
DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL	SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average		Percentage of Average	No. of Days Difference from Average
			Max.	Min.	Mean					
0 SCOTLAND, N.	21.7	0.2	-0.9	-0.6	-0.7	—	—	107	0	64
Eastern										
1 SCOTLAND, E.	24.4	-0.5	-1.4	-0.5	-1.0	—	—	93	-2	78
2 ENGLAND, N.E.	29.4	1.7	-2.1	-0.6	-1.4	-1.0	-0.4	115	-3	76
3 ENGLAND, E.	33.3	-1.1	-0.6	-0.8	-0.7	-0.6	+0.4	57	-2	91
4 MIDLAND COUNTIES	30.0	3.3	-1.4	-0.8	-1.1	-0.4	+0.4	101	-3	94
5 ENGLAND, S.E.	33.9	2.8	-0.3	-0.5	-0.4	-0.3	+0.5	61	-4	99
Western										
6 SCOTLAND, W.	22.8	1.7	-1.4	-0.9	-1.1	-1.0	-0.8	84	-2	81
7 ENGLAND, N.W. (and N. Wales)	26.1	-0.5	-2.1	-0.8	-1.5	-1.1	+0.6	115	-2	81
8 ENGLAND, S.W. (and S. Wales)	28.9	2.2	0.0	-0.8	-0.4	+0.2	+0.4	59	-4	110
NORTHERN IRELAND	21.1	3.9	-1.5	-0.7	-1.1	-	-	68	-8	75

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JULY 1961 (1914)

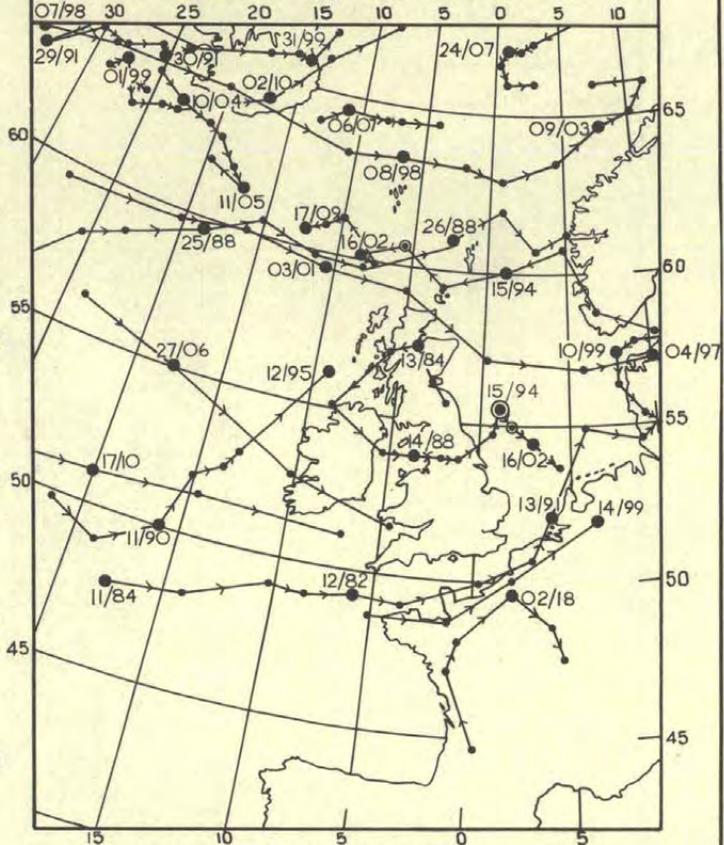
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed									Mean Hourly Wind Speed	Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust					
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Year from N.	Speed		Hour ended at	Speed	Day and Time				
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	kn		kn	day hr.	kn	day h.m.			
SCOTLAND																				
0 Zetland	Lerwick	310	53	37	-	0	9	49	517	157	21	0	13.6	320	29	4	17	44	4	1625
Orkney	Kirkwall (Grinsetter)	135	51	33	-	0	3	12	355	277	100	0	10.4	030	26	3	24	40	4	1830
Caithness	Dounreay	110	39	30	-	0	8	63	417	264	0	0	13.1	300	29	27	06	43	27	0635
	Halkirk (Olgrinbeg)	272	40	40	-	0	6	35	310	355	42	2	10.9	320	26	5	02	42	5	0205
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	-	0	2	14	255	255	220	0	8.2	340	32	3	21	51	3	2015
	Duirinish	125	65	55	3.	2	4	29	255	343	101	14	9.4	330	36	3	22	61	3	2155
Inverness	Benbecula	69	51	35	3.	7	11	93	517	113	14	0	15.6	330	43	3	20	60	3	1945
1 Moray	Lossiemouth	79	59	45	4.	1	6	37	212	331	163	0	9.1	350	36	4	01	51	4	0010
Aberdeen	Dyce	225	40	40	-	0	3	7	213	288	236	0	7.4	330	23	4	11	38	4	1650
Angus	Bell Rock Lighthouse	128	131	124	-	1	7	64	368	202	87	22	12.0	230	34	26	05	53	25	2255
Perth	Rannoch	1006	56	57	26.	1	7	64	368	202	87	22	12.0	230	34	26	05	53	25	2255
Fife	Leuchars	78	40	40	-	0	3	19	235	396	94	0	8.9	230	28	26	09	54	4	0200
Midlothian	Edinburgh	485	39	23	-	0	3	16	246	307	175	0	8.6	230	30	26	09	58	4	0200
6a Argyll	Tiree	89	60	47	3.4.	9	9	96	462	138	39	0	14.9	320	42	3	21	59	3	2125
Bute	Millport	50	34	34	-	0	3	12	139	327	239	27	7.0	250	28	26	11	47	3	2015
Renfrew	Paisley	188	81	31	-	0	1	1	71	440	232	0	5.7	300	25	3	24	49	3	2340
	Renfrew	71	41	39	-	0	3	12	220	407	105	0	8.3	240	27	26	10	45	3	2310
Ayr	Prestwick Airport	35	33	33	-	0	4	23	231	379	111	0	9.3	260	28	3	21	47	3	2000
Dumfries	Eskdalemuir	825	50	35	-	0	5	14	121	379	230	0	6.6	300	26	4	01	54	26	2055
ENGLAND and WALES																				
6b Isle of Man	Point of Ayre	70	40	35	3.4.13.	5	8	16	358	258	63	0	12.4	300	42	4	02	59	4	0110
2 Durham	Durham	389	53	33	-	0	4	9	187	266	282	0	6.7	330	25	4	05	49	4	0435
	South Shields	73	57	44	-	0	3	16	242	368	118	0	8.9	310	27	4	07	46	4	0325
Lincoln	Cranwell	288	47	47	-	0	4	15	173	359	197	0	7.5	260	25	26	09	43	4	1020
3 Norfolk	Gorleston	52	42	34	-	0	2	7	258	342	137	0	8.3	-	26	4	11	42	4	1210
Suffolk	Mildenhall	98	83	60	-	0	0	0	114	410	220	0	6.2	300	20	4	07	38	4	0625
	Felixstowe	85	75	65	-	0	3	12	219	364	149	0	8.2	290	25	4	06	45	4	0515
Bedford	Cardington	226	133	133	-	0	7	47	295	326	76	0	10.8	290	30	4	06	48	4	0535
Hertford	Rothamsted	461	41	33	-	0	0	0	42	499	203	0	5.3	310	15	4	08	39	4	0650
	Stanstead Abbots	138	41	40	-	0	0	0	139	401	204	0	6.2	300	21	4	08	35	4	0725
Essex	Coryton	66	57	48	-	0	1	1	135	524	84	0	7.7	300	22	4	09	43	14	1640
	Shoeburyness	118	106	91	*	0	0	0	58	473	213	0	5.9	280	19	4	03	52	4	0210
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	5	158	521	60	0	8.1	290	25	4	05	45	4	0425
Warwick	Birmingham	643	118	73	-	0	1	2	128	388	226	0	6.3	320	24	4	08	52	4	0405
Stafford	Keele	706	50	40	-	0	7	43	268	207	213	12	9.4	270	34	14	14	44	14	1400
Gloucester	Avonmouth	92	61	33	14.	1	7	0	100	552	92	0	7.1	260	19	13	14	39	14	1450
5 London	Kingsway	231	160	40	-	0	2	5	166	420	153	0	7.5	280	23	13	13	38	13	1500
Middlesex	London Airport	82	33	33	-	0	0	0	135	440	169	0	6.9	230	21	14	13	47	14	1220
	Hampton	139	101	100	-	0	0	0	134	467	143	0	7.0	190	21	14	15	43	4	0910
Surrey	Kew Observatory	92	75	50	-	0	2	7	120	363	254	0	5.9	230	26	14	15	41	14	1435
	Gatwick	232	38	33	-	0	1	1	59	230	449	5	3.6	230	22	14	16	39	4	0830
Kent	Isle of Grain	48	40	33	-	0	3	18	177	349	200	0	7.6	220	26	14	16	54	14	2020
	Dungeness	70	50	33	-	0	0	0	83	330	331	0	5.1	230	21	14	14	43	14	1350
Sussex	Thorney Island	68	38	62	-	0	0	0	0	0	0	0	5.1	230	21	14	14	43	14	1350
Hampshire	Southampton (Eastleigh)	95	60	41	I	0	0	0	229	370	65	80	9.4	230	21	13	14	35	13	1315
	Calshot	50	41	33	-	0	1	1	95	388	260	0	5.7	260	22	13	17	35	13	1530
	S. Farnborough	318	69	35	-	0	2	5	99	281	359	0	5.2	250	24	26	11	39	26	1035
Berkshire	Abingdon	295	40	40	-	0	1	1	100	426	217	0	6.1	280	22	13	12	38	13	1125
Wiltshire	Larkhill	491	51	38	-	0	1	1	93	350	300	0	5.4	220	22	14	10	38	13	1220
	Porton	406	44	44	-	0	5	42	305	365	32	0	11.1	310	30	4	03	45	3	2345
7a Cumberiand	Sellafield	83	39	35	-	0	3	17	236	332	155	4	8.7	240	28	26	09	48	26	0805
	Spadeadam	959	51	40	-	0	8	76	195	211	249	0	9.8	250	41	26	09	59	26	0905
Westmorland	Moor House	1960	50	45	3.4.26.	13	8	85	313	247	93	0	12.6	320	35	4	06	51	4	0355
Lancashire	Southport	59	41	33	4.26.	6	7	64	352	305	22	0	12.2	300	34	4	04	56	4	0320
	Speke	180	100	65	4.	1	6	54	275	277	91	47	-	280	31	3	24	54	3	2255
Cheshire	Bidston Observatory	262	64	39	-	0	1	3	239	416	86	0	8.5	290	23	4	04	40	4	0300
	Manchester Airport	318	70	30	-	0	6	43	205	346	150	0	9.0	250	33	14	07	46	14	0620
7b Anglesey	Holyhead (Valley)	76	50	40	-	0	2	10	238	390	106	0	8.7	270	29	14	13	42	14	1330
8a Cardigan	Aberporth	483	41	41	13.14	3	9	59	348</											

MONTHLY WEATHER CHARTS JULY 1961

1. MEAN PRESSURE 9 A.M.

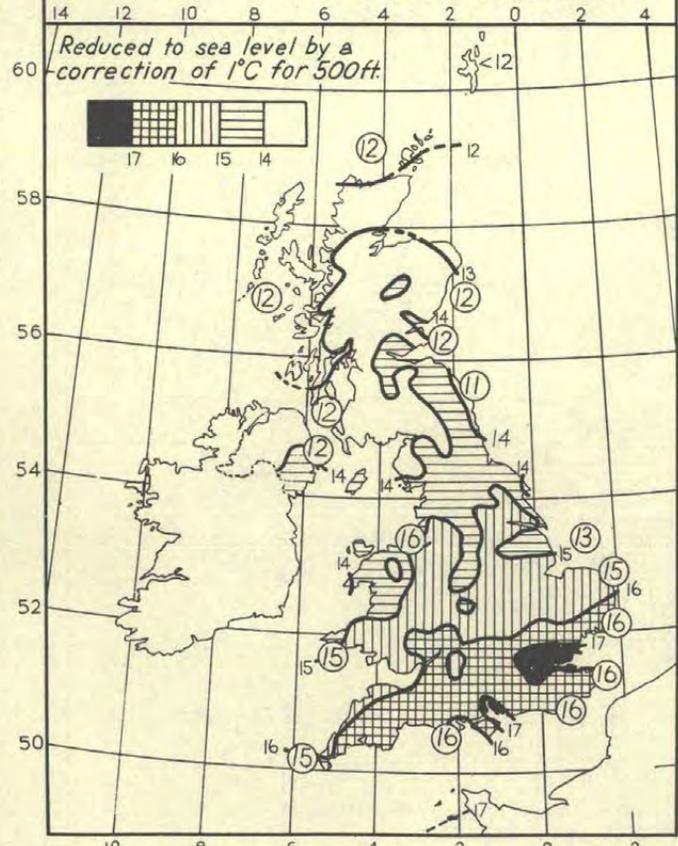


2. MOVEMENTS OF DEPRESSIONS



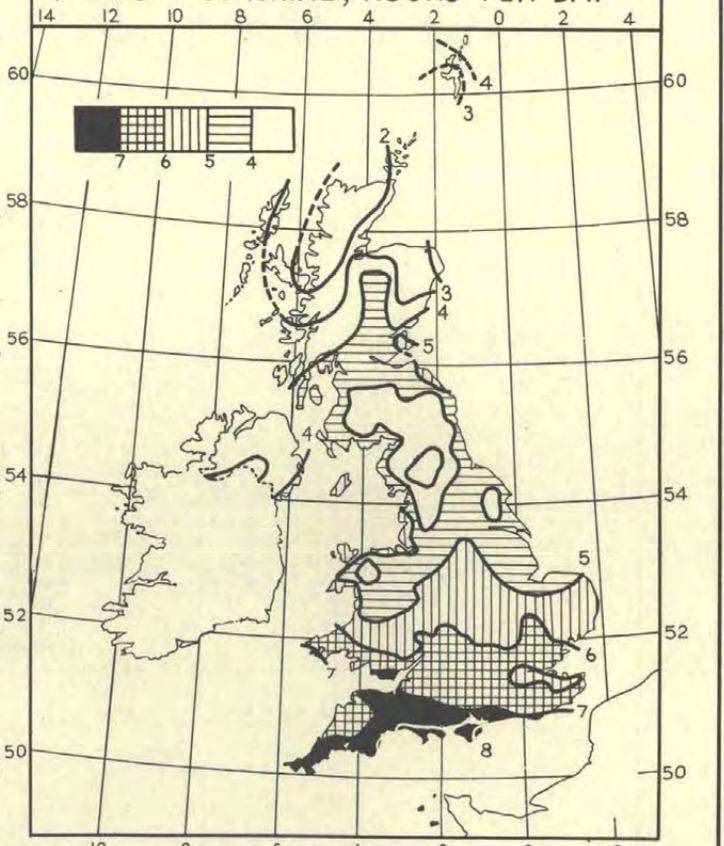
Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: ⑩

4. BRIGHT SUNSHINE, HOURS PER DAY



RAINFALL

JULY 1961

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

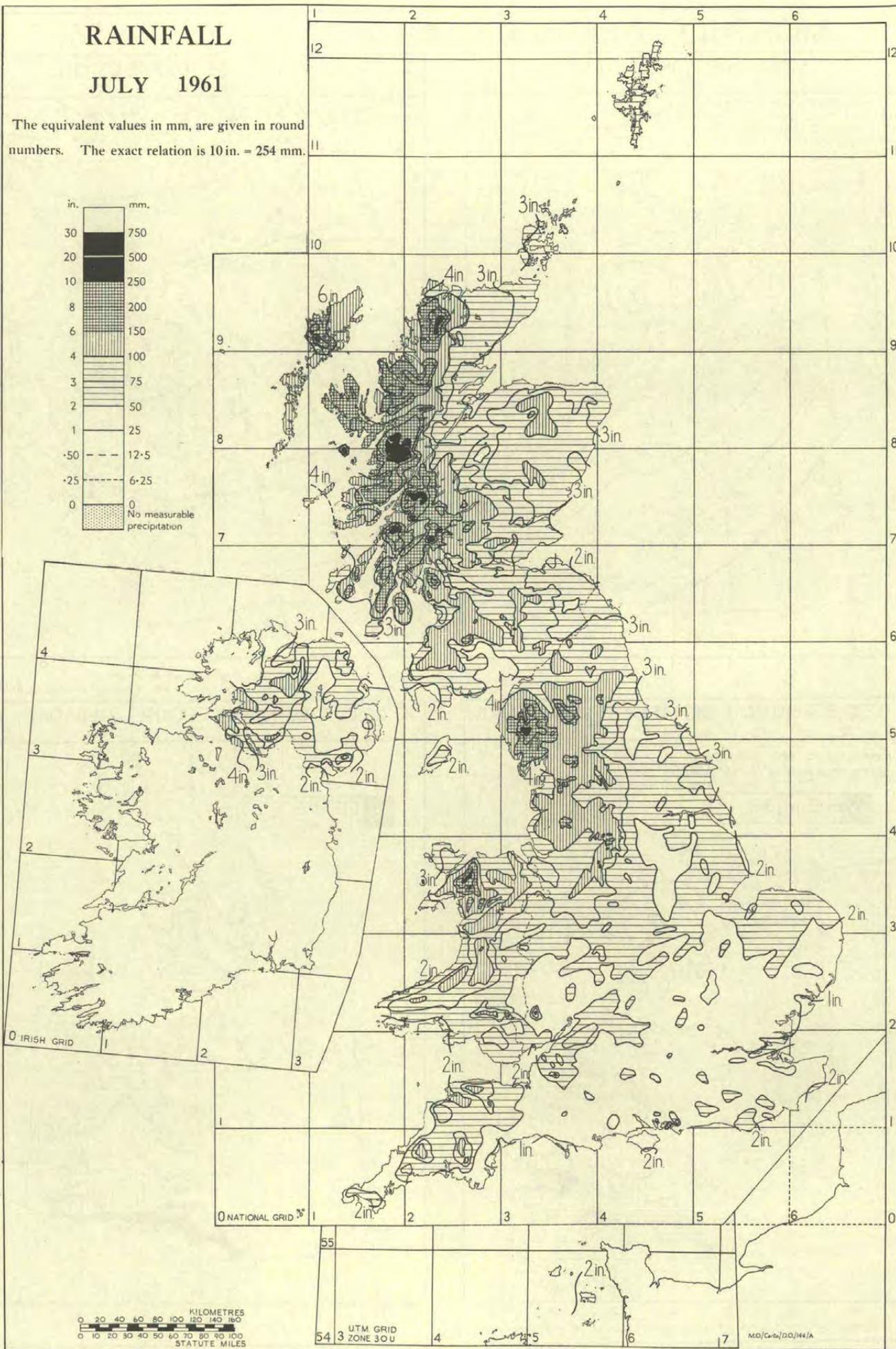
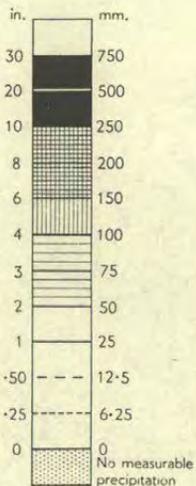


TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE							
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average				
			A	B		Maximum	Date	Minimum	Date					Amount	Date	0 in. (0.2mm.) or more	0 in. (1.0mm.) or more															
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																	
1 SCOTLAND, E.—cont.																																
Midlothian cont.	Penicuik	9 9	620	17.2	9.2	13.2	-	21.1	1	2.2	14	14.6	-	3.16	-	1.54	12	11	7	0	0	0	0	0	0	0	0	0	0	1	4.50	-S
	Bush House	9 9	605	16.2	9.1	12.7	-	20.6	1	2.8	14, 15	14.0	12.1	3.07	-	1.48	12	11	9	0	0	0	0	0	0	0	0	0	0	0	-	-
	Edinburgh—																															
	Blackford Hill	9 9	441	17.3	10.4	13.9	-0.8	22.2	1	6.1	14	-	-	3.10	102	1.61	12	9	7	0	0	0	0	0	0	0	0	0	0	4.82	93	
	Liberton	9 9	200	17.8	10.7	14.3	-	(22.8)	1	3.9	14	-	-	2.97	-	1.56	12	8	7	0	0	0	0	0	0	0	0	0	0	4.58	-	
	Botanic Garden	9 9	74	17.2	10.6	13.9	-	21.1	1	5.6	14	14.6	-	3.58	-	1.60	12	12	8	0	0	0	0	0	0	0	0	0	0	5.27	-	
E. Lothian	Haddington	9 9	162	17.7	9.9	13.8	-	21.1	1	3.9	6	-	-	2.50	-	.81	11	13	7	0	0	0	0	1	0	0	0	1	4.86	-		
	North Berwick	9 9	51	17.4	10.7	14.1	-0.7	22.2	1	7.2	6, 11	-	-	3.28	122	1.15	12	11	6	0	0	0	0	1	0	0	0	0	4.69	86		
	Dunbar	9 9	75	16.6	11.2	13.9	-	21.7	1	7.8	14	-	-	2.23	-	1.17	12	12	8	0	0	0	0	0	0	0	0	0	6.06	-		
Berwick	Marchmont	9 9	498	16.8	9.6	13.2	-1.2	20.0	6	4.4	14	-	-	2.34	80	1.20	12	14	8	0	0	0	0	1	1	0	0	0	4.71	95S		
	St. Abb's Head	9 9	245	14.9	11.4	13.1	-	20.7	1	7.2	14	-	-	1.55	-	.69	12	12	7	0	0	0	0	1	2	0	0	0	2	-	-	
Peebles	Broughton	9 9	741	16.1	8.6	12.3	-	20.0	11	2.8	23	-	-	3.94	-	1.72	12	11	10	0	0	0	0	0	0	0	0	0	0	-	-	
	Blyth Bridge	9 9	830	15.7	8.7	12.2	-	18.9	1, 11, 19	3.9	14	-	-	4.21	-	1.90	12	11	7	0	0	0	0	0	0	0	1	0	3.83	-		
	West Linton	9 9	800	15.8	8.4	12.1	-	19.4	19	3.3	14	13.7	12.0	4.18	-	1.44	12	15	9	0	0	0	0	0	0	0	0	0	-	-		
	Peebles	9 9	645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Peebles (Gientress)	9 9	580	16.7	9.2	12.9	-	20.6	19	4.4	11, 14	-	-	3.32	-	1.75	12	9	8	0	0	0	0	2	0	0	0	0	-	-		
Selkirk	Selkirk (Bowhill)	9 9	600	17.3	9.2	13.3	-	21.1	11	2.8	14	-	-	3.40	-	2.00	12	11	7	0	0	0	0	0	0	0	0	0	0	-	-	
Roxburgh	Hawick (Wauchope)	9 9	580	17.8	8.7	13.3	-	21.1	7	4.4	3, 9, 14	-	-	2.28	-	1.29	12	15	10	0	0	0	0	0	0	0	0	0	-	-		
	Sourhope	9 9	900	16.1	8.8	12.5	-	20.0	1	4.4	14	-	-	2.42	-	1.02	12	14	7	0	0	0	0	1	0	0	2	1	3.62	-		
6a SCOTLAND, W.																																
Argyll	Tiree	21-9	29	14.9	10.5	12.7	-0.9	16.2	15, 31	6.1	11	-	-	3.48	103	.99	12	17	14	0	0	0	0	0	0	0	0	1	2	3.41	65	
	Rhuvaal	21-9	65	14.6	10.8	12.7	-	16.9	15	8.6	14	-	-	3.78	-	.91	12	15	12	0	0	0	0	0	0	0	0	0	2	-	-	
	Colonsay	9 9	87	15.4	9.5	12.5	-	18.3	15	3.9	11	-	-	4.18	108	1.16	12	18	15	0	0	0	0	2	0	0	0	0	2	-	-	
	Campbeltown	9 9	10	16.2	9.9	13.1	-	18.3	1, 25, 26	5.6	4, 6	-	-	2.94	-	.73	11	10	9	0	0	0	0	0	0	0	0	0	0	4.14	-	
	Tarbert (Achaglachgach)	9 9	40	16.4	8.4	12.4	-	18.9	14	3.9	11, 15, 20	-	-	7.77	-	2.76	12	17	15	0	0	0	0	0	0	0	3	1	-	-		
	Oban	9 9	229	15.3	10.1	12.7	-	18.9	14	7.8	11	-	-	5.18	122	1.28	12	23	14	0	0	0	0	0	0	0	0	0	0	3.23	74	
	Lephinmore	9 9	30	16.2	9.5	12.9	-	18.9	2, 21	5.6	14, 15	-	-	5.11	-	1.12	12	20	11	0	0	0	0	0	0	0	0	0	3.31	-		
	Glenbranter	9 9	120	16.3	7.8	12.1	-2.1	19.4	19	3.3	17	-	-	7.25	118	1.68	25	18	15	0	0	0	0	0	0	0	0	0	-	-		
	Benmore (Forestry Sch.)	9 9	46	17.1	8.4	12.7	-	20.6	19	3.9	15	14.1	12.9	6.80	106	1.73	25	18	13	0	0	0	0	1	0	0	0	0	-	-		
	Benmore (Younger Bot. Gdn.)	9 9	40	16.7	9.8	13.3	-	20.6	2	5.0	15	-	-	6.70	-	1.69	25	20	14	0	0	0	0	0	0	0	0	0	-	-		
Bute	Lochranza	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Rochrasa	9 9	150	16.2	9.7	12.9	-1.3	19.4	18	5.0	14	13.9	12.6	4.58	107	.95	11	19	14	0	0	0	0	0	1	0	0	0	4.11	86		
	Millport	9 9	16	16.2	10.3	13.3	-	18.9	18, 19	6.7	5	-	-	3.49	103	.83	12	15	10	0	0	0	0	0	0	0	0	0	2	-	-	
Dunbarton	Helensburgh	9 9	293	17.0	9.4	13.2	-1.5	21.1	19, 20	5.0	15	-	-	4.27	102	1.06	12	16	0	0	0	0	0	0	0	0	0	0	0	-	-	
Stirling	Stirling	9 9	151	17.9	10.8	14.3	-1.0	22.8	19	6.1	15	16.6	12.8	3.29	104	1.76	12	8	7	0	0	0	0	0	0	0	0	0	1	-	-	
	Falkirk	9 9	100	-	-	-	-	-	-	-	-	-	-	2.96	-	1.55	12	9	7	0	0	0	0	0	0	0	0	0	-	-		
Renfrew	Greenock	9 9	200	16.4	10.4	13.4	-1.6	19.4	22	6.7	14	-	-	4.92	121	1.41	12	15	11	0	0	0	0	0	0	0	0	0	4.62	-		
	Paisley	9 9	106	18.1	10.4	14.3	-1.3	22.2	19, 22	6.1	14	14.3	12.2	2.72	83	.93	12	15	8	0	0	0	0	0	0	0	0	1	4.85	99		
	Barrhead	9 9	97	16.9	9.7	13.3	-	20.6	11, 22	1.7	15	-	-	2.65	-	.96	12	11	7	0	0	0	0	0	0	0	0	1	0	-	-	
	Renfrew	21-9	26	17.5	10.0	13.7	-1.2	21.1	19	3.3	15	-	-	2.41	78	1.09	12	13	8	0	0	0	0	0	0	0	0	0	4.69	97		
Lanark	Thorntonhall	9 9	453	16.2	8.9	12.5	-	20.0	19	3.3	15	-	-	2.87	-	1.09	12	11	8	0	0	0	0	0	0	0	0	5	0	-	-	
	Glasgow, Spr. Pk.	9 9	351	17.1	9.7	13.4	-	21.1	19	5.0	14	-	-	2.99	90	1.23	12	13	7	0	0	0	0	0	0	0	0	0	4.38	-		
	Coatbridge	9 9	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Coalburn (Midtown)	9 9	707	17.1	8.3	12.7	-	20.6	22	3.4	11, 14	13.9	-	3.44	-	1.31	12	15	10	0	0	0	0	0	0	0	0	0	3.86	-		
	Lowther Hill	9 9	2377	11.2	6.0	8.6	-	15.0	11	3.0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	6	2.08	-		
	Leadhills	9 9	1270	15.2	8.1	11.7	-	19.4	11, 19	3.3	23	-	-	4.94	-	1.32	12	16	14	0	0	0	0	0	2	0	0	0	0	-	-	
	Carnwath	9 9	706	16.3	8.6	12.5	-	20.0	11, 19	2.8	6	-	-	3.31	-	1.47	12	14	8	0	0	0	0	0	0	0	0	5				

TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1961

Table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; and Wind, Number of Observations. The table is organized into sections for 2 ENGLAND, N.E., 3 ENGLAND, E., and 4 MIDLAND COUNTIES, with sub-sections for various counties like Northumberland, Durham, Yorkshire, Lincoln, Norfolk, Suffolk, Huntingdon, Bedford, Hertford, and Essex.

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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



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Volume 78 Number 8

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August 1961 — *Generally cool and changeable but very warm at the end of the month*

After the first two days weather was generally cyclonic until the 8th with a complex low pressure system to the north of the country, but from then until the 12th a ridge of high pressure moved slowly eastward from the Atlantic across the British Isles. For most of the remainder of the month a large anticyclone persisted to the south-west of the British Isles while depressions moved east or south-east between Scotland and Iceland.

Pressure was low over Scandinavia on the 1st and 2nd and north-westerly winds over the British Isles brought showery weather with sunny periods; heavy thunderstorms gave rainfall exceeding 1 in. at a number of places on both days — nearly 1 in. fell in 30 min locally in Devon on the 1st. The warm sector of a complex depression south of Iceland moved across almost the whole country on the 3rd giving general rain which was heavy in western districts; at Langdale, Westmorland, 3½ in. of rain fell in 6 hours. The next four days were mainly showery with scattered thunderstorms, although there were periods of more continuous rain in south and south-east England on the 4th and 5th. During the 7th and 8th a small but vigorous depression moved from the Bay of Biscay across the country to the North Sea. The 8th was unusually wet and stormy. Many parts of Scotland had more than 2 in. of rain in 24 hr and there was serious flooding, particularly in the Glasgow area. Wind reached gale force in most districts; at Dungeness and Cardington gusts of 63 kt were recorded.

As the depression moved away north-eastwards weather behind it over England and Wales was generally fine on the 9th, apart from a few scattered showers, although in Scotland an associated trough gave some more continuous rain for the greater part of the day. On the 10th a depression formed off our south-west coasts and moved eastwards along the English Channel. Rain fell continuously for about 24 hr over much of the south-west, many places in Somerset recording more than 3 in. during this time; at Torre 1 in. fell in 90 min. The rain continued for some time on the 11th in eastern England but a ridge of high pressure moved from the Atlantic over the western part of the country and many places in Cornwall and Devon had over 10 hr of sunshine. The 12th was fine and sunny generally, the first day of the month to be almost free of rain in England and Wales.

During the next week weather was changeable as troughs of low pressure moved south-east across the British Isles around a quasi-stationary anticyclone off the south-west coasts; in the generally cool north-westerly air-stream cloudy periods with occasional rain alternated with sunnier spells.

The anticyclone moved southward on the 20th and winds backed to west. Warm-front rain spread from the west that night and there were periods of rain or frequent showers on the 21st as a depression moved south-east skirting the coast of Scotland. After a showery day on the 22nd further troughs in the general westerly air-stream brought changeable weather on the 23rd-26th, rain in the west being heavy at times.

Rain persisted in Scotland and Northern Ireland on the 27th, but with pressure rising over most of the country and an anticyclone over northern France moving slowly eastward, weather over most of southern England was fine and warm. The next day the anticyclone was centred over northern Germany and southerly winds with fine warm weather became general over the British Isles, although sea

fog affected many coastal areas in the south-west. The 29th was the warmest day of the month, the air over the British Isles being drawn from the Western Mediterranean; afternoon temperatures reached 32°C at several places. Weather remained generally fine and warm during the last two days of the month though maximum temperatures were not as high as on the 29th.

Pressure and Wind — Mean pressure was below average over much of Scotland but above average elsewhere, the deviations at 9 hr ranging from -1.8 mb at Lerwick to +3.6 mb at Scilly. After two days of north-westerlies surface winds were mainly westerly until the 8th, north-westerly or variable on the 9th-12th and north-westerly again on the 13th-19th. Subsequently winds were generally south-westerly until the 27th and then southerly until the end of the month. Wind reached gale force in Scotland on 14 days and in England and Wales on the 2nd-4th, 7th-9th, 19th-22nd, 25th and 27th (12 days). Gales were widespread on the 8th, the highest mean hourly wind speed exceeding 40 kt at a number of places.

Temperature — Mean temperature was 0.3°C below the 1921-50 average in England and Wales, 0.4°C and 0.5°C below the average in Scotland and Northern Ireland respectively. Maximum day temperatures in England and Wales were generally below normal though high temperatures from the 27th onwards raised the averages appreciably. The 29th was the warmest day nearly everywhere with maximum temperature over 30°C in many places; at Ross-on-Wye it was the warmest August day since 1942.

Extremes included:—(England and Wales) 31.8°C at Abingdon and Pershore on the 29th, -1.1°C at Grizedale on the 5th; (Scotland) 28.9°C at Kinlochewe on the 29th, -0.6°C at Tarfside on the 3rd and 5th; (Northern Ireland) 24.2°C at Ballykelly on the 28th, 3.3°C at Garvagh on the 12th.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 100 over England and Wales, 131 over Scotland and 85 over Northern Ireland. Less than half the average rainfall was recorded over the extreme south of England from Portland Bill to the Isle of Sheppey, but more than 150 per cent of the average occurred in the Peak District, northern Lincolnshire, Renfrewshire, Argyleshire, western Inverness-shire and southern Ross-shire.

Thunder was heard in Scotland on 4 days and in England and Wales on the 1st, 2nd, 5th, 8th, 10th-15th, 22nd, 24th, 29th and 31st (16 days). Thunderstorms were widespread in south-east England on the 1st and in northern, western and central England on the 8th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 103 in England and Wales, 105 in Scotland and 98 in Northern Ireland. Abundant sunshine everywhere towards the end of the month helped to raise totals which had been below the average generally, especially during the second and third weeks. During the last week of the month sunshine in north-west England was about twice the average.

Fog — In Scotland fog was reported at one lower level station or another on 10 days although Lowther Hill experienced hill fog on 22 days. In England and Wales fog occurred on 16 days; sea-fog affected many south-western coastal areas around the 28th.

Miscellaneous Phenomena — The aurora was visible in Scotland on 10 nights.

TABLE I—DISTRICT VALUES— AUGUST 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE						EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	
			Max.	Min.	Mean						
0 SCOTLAND, N.	28.9	1.3	-0.1	-0.3	-0.2	—	—	117	+2	96	
Eastern											
1 SCOTLAND, E.	28.5	-0.6	-0.1	-0.5	-0.2	—	—	111	+1	111	
2 ENGLAND, N.E.	29.4	0.6	-0.3	-0.4	-0.3	-0.9	-0.9	97	+2	118	
3 ENGLAND, E.	30.9	1.1	-0.4	-0.2	-0.2	-1.0	-0.2	122	+4	100	
4 MIDLAND COUNTIES	31.8	2.8	-0.5	-0.1	-0.3	-0.4	-0.1	100	+3	103	
5 ENGLAND, S.E.	31.8	3.9	-0.4	+0.5	0.0	-0.9	-0.2	63	0	89	
Western											
6 SCOTLAND, W.	27.8	0.6	-0.8	-0.5	-0.7	-1.1	-1.0	135	+4	106	
7 ENGLAND, N.W. (and N. Wales)	30.0	-1.1	-0.	-0.	-0.	-1.1	+0.4	128	+1	113	
8 ENGLAND, S.W. (and S. Wales)	30.6	3.9	-0.4	0.0	-0.2	-0.2	+0.1	102	+1	96	
NORTHERN IRELAND	24.2	3.3	-0.6	-0.4	-0.5	-	-	85	+3	98	

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— AUGUST 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed								Mean Hourly Wind Speed	Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		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	No. of days	Duration	Duration	Duration	Duration	Duration		Veer from N.	Speed	Hour ended at	Speed	Day and Time		
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots		knots	day hr.	knots	day h.m.			
SCOTLAND																			
0 Zetland	Lerwick	310	53	37	-	0	7	53	416	264	11	0	12.8	230	3	27 08	48	27	1555
Orkney	Kirkwall (Grimsetter)	135	51	33	-	0	2	5	324	353	62	0	9.9	280	26	4 14	40	4	1315
Gaithness	Dounreay	110	39	30	-	0	5	22	398	321	0	3	11.8	(180) 30	29 11)	(43)	29	1050	
	Halkirk (Olgrinbeg)	272	40	40	-	0	7	19	247	404	59	15	9.8	280	26	4 16	42	27	0620
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	26-31	31	8	111	180	284	138	0	12.3	210	46	29 22	64	29	2140
Inverness	Duirinish	125	65	55	-	0	8	61	361	262	60	0	11.8	170	33	29 14	57	29	1330
	Benbecula	69	51	35	26, 27, 29	11	17	141	463	127	2	0	16.8	140	36	29 09	58	26	2035
1 Moray	Lossiemouth	79	59	45	-	0	7	26	208	322	186	2	8.4	240	30	27 07	46	27	0615
Aberdeen	Dyce	225	40	40	-	0	1	1	158	368	217	0	6.9	220	25	26 12	40	26	1055
Angus	Bell Rock Lighthouse	128	131	124	-	0	9	49	323	242	57	73	11.8	220	31	27 11	48	25	1420
Perth	Rannoch	1006	56	57	-	0	3	19	267	398	60	0	9.5	230	32	27 12	49	27	1110
File	Leuchars	78	40	40	-	0	4	23	310	334	77	0	10.2	220	31	27 11	51	27	1135
6a Midlothian	Edinburgh	485	39	23	-	0	16	159	461	96	28	0	16.4	140	33	25 05	51	29	2045
Bute	Tiree	89	60	47	-	0	6	23	345	288	88	0	10.9	200	27	27 09	41	4	0205
Renfrew	Millport	50	34	34	-	0	0	0	80	507	157	0	6.4	260	20	4 06	46	4	0455
	Paisley	188	81	31	-	0	2	5	268	395	76	0	9.1	210	25	27 10	45	27	0930
	Renfrew	71	41	39	-	0	5	6	347	353	38	0	10.3	260	25	4 05	40	28	1305
Ayr	Prestwick Airport	35	33	33	-	0	4	16	220	338	170	0	8.3	240	25	27 08	49	4	0355
Dumfries	Eskdalemuir	825	50	35	-	0	14	89	404	220	31	0	13.5	280	31	8 15	46	3	1915
ENGLAND AND WALES																			
6b Isle of Man	Point of Ayre	70	40	35	-	0	2	6	214	296	217	11	7.4	260	24	8 19	49	8	1810
2 Durham	Durham	389	53	33	-	0	1	2	270	388	84	0	9.1	250	22	8 24	41	8	2315
	South Shields	73	57	44	-	0	5	16	348	342	38	0	11.0	260	28	8 14	52	8	1240
Lincoln	Cranwell	288	47	47	*	0	3	12	246	384	102	0	8.8	240	32	8 13	56	8	1220
3 Norfolk	Gorleston	45	33	33	-	0	2	12	330	338	64	0	10.2	250	30	8 12	54	8	1115
Suffolk	Mildenhall	98	83	60	-	0	2	12	356	252	41	0	13.4	240	43	8 12	63	8	1315
	Felixstowe	85	75	65	-	0	0	0	67	501	176	0	5.9	260	18	8 12	44	8	1340
Bedford	Cardington	226	133	133	8	7	11	88	426	253	6	15	12.7	230	36	8 10	59	8	1130
Hertford	Rothamsted	461	41	33	-	0	1	4	191	386	163	0	7.2	250	22	8 16	32	21	1815
	Stanstead Abbots	138	41	40	-	0	1	5	206	461	59	13	8.3	230	28	8 13	50	8	1245
Essex	Coryton	66	57	48	-	0	7	41	426	253	6	15	12.7	230	36	8 10	59	8	1130
	Shoeburyness	118	106	91	8	3	7	41	426	253	6	15	12.7	230	36	8 10	59	8	1130
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	127	453	164	0	6.8	270	17	21 11	41	21	1015
Warwick	Birmingham	643	118	73	-	0	0	0	225	477	42	0	8.6	240	21	8 14	44	8	1400
Stafford	Keele	706	50	40	-	0	0	0	195	420	129	0	7.7	320	19	16 19	45	8	1430
Gloucester	Avonmouth	92	61	33	*	0	1	1	154	506	83	0	7.6	220	22	8 12	49	8	1110
5 London	Kingsway	208	143	41	-	0	1	6	220	392	126	0	8.2	240	27	8 12	45	8	1035
Middlesex	London Airport	115	33	33	-	0	1	7	217	435	85	0	8.5	250	29	8 11	56	8	1030
	Hampton	139	101	100	-	0	1	4	201	432	107	0	8.0	220	24	8 12	49	8	1100
Surrey	Kew Observatory	92	75	50	-	0	2	13	211	353	167	0	7.8	250	30	8 10	51	8	0910
	Gatwick	232	38	33	-	0	1	6	143	277	318	0	5.7	230	30	8 11	51	8	1020
Kent	Isle of Grain	48	40	33	-	0	1	36	341	273	93	0	10.6	230	35	8 11	59	8	0950
	Dungeness	70	50	33	-	0	1	1	142	321	280	0	6.1	250	23	8 09	46	8	0815
	Dover	68	38	62	8	1	4	36	341	273	93	0	10.6	230	35	8 11	59	8	0950
Sussex	Thorney Island	75	65	42	-	0	1	1	142	321	280	0	6.1	250	23	8 09	46	8	0815
Hampshire	Southampton (Eastleigh)	95	60	41	-	0	1	1	386	326	31	0	10.1	230	22	8 15	33	8	0755
	Calshot	50	41	33	-	0	2	6	139	354	245	0	6.4	250	29	8 11	49	8	1000
	S. Farnborough	318	69	35	-	0	2	9	240	245	250	0	7.5	250	27	8 11	49	8	0945
Berkshire	Abingdon	295	40	40	-	0	1	5	178	410	151	0	7.6	260	29	8 09	51	8	0845
Wiltshire	Larkhill	491	51	38	-	0	2	7	204	346	187	0	7.7	270	29	8 09	48	8	0845
	Porton	406	44	44	-	0	9	35	432	261	16	0	12.6	280	28	8 15	40	8	1415
7a Cumberland	Sellafield	83	39	35	-	0	3	10	307	334	93	0	9.9	240	25	27 14	44	21	1540
	Spadeadam	959	51	40	-	3	16	103	314	167	157	0	12.3	260	34	4 05	51	4	0420
Westmorland	Moor House	1960	50	45	4	5	12	118	332	233	56	0	13.8	280	36	8 13	50	4	0030
Lancashire	Southport	59	41	33	4, 8, 18, 21	2	10	71	454	205	12	0	13.9	240	35	3 22	51	3	2120
	Speke	180	100	65	3	0	10	67	237	343	60	37	-	270	30	8 12	56	18	2120
Cheshire	Bidston Observatory	262	64	39	-	0	2	4	304	383	53	0	9.6	180	23	8 11	50	8	1045
	Manchester Airport	318	70	30	-	0	12	58	347	224	115	0	11.7	230	33	3 18	46	3	1935
7b Anglesey	Holyhead (Valley)	76	50	40	-	1	17	138	434	139	32	0	15.2	300	35	8 08	52	3	2045
8a Cardigan	Aberporth	483	41	41	8	0	6	19	331	282	108	4	10.1	350	27	8 06	47	8	0520
Pembroke	Milford Haven	2																	

RAINFALL

AUGUST 1961

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

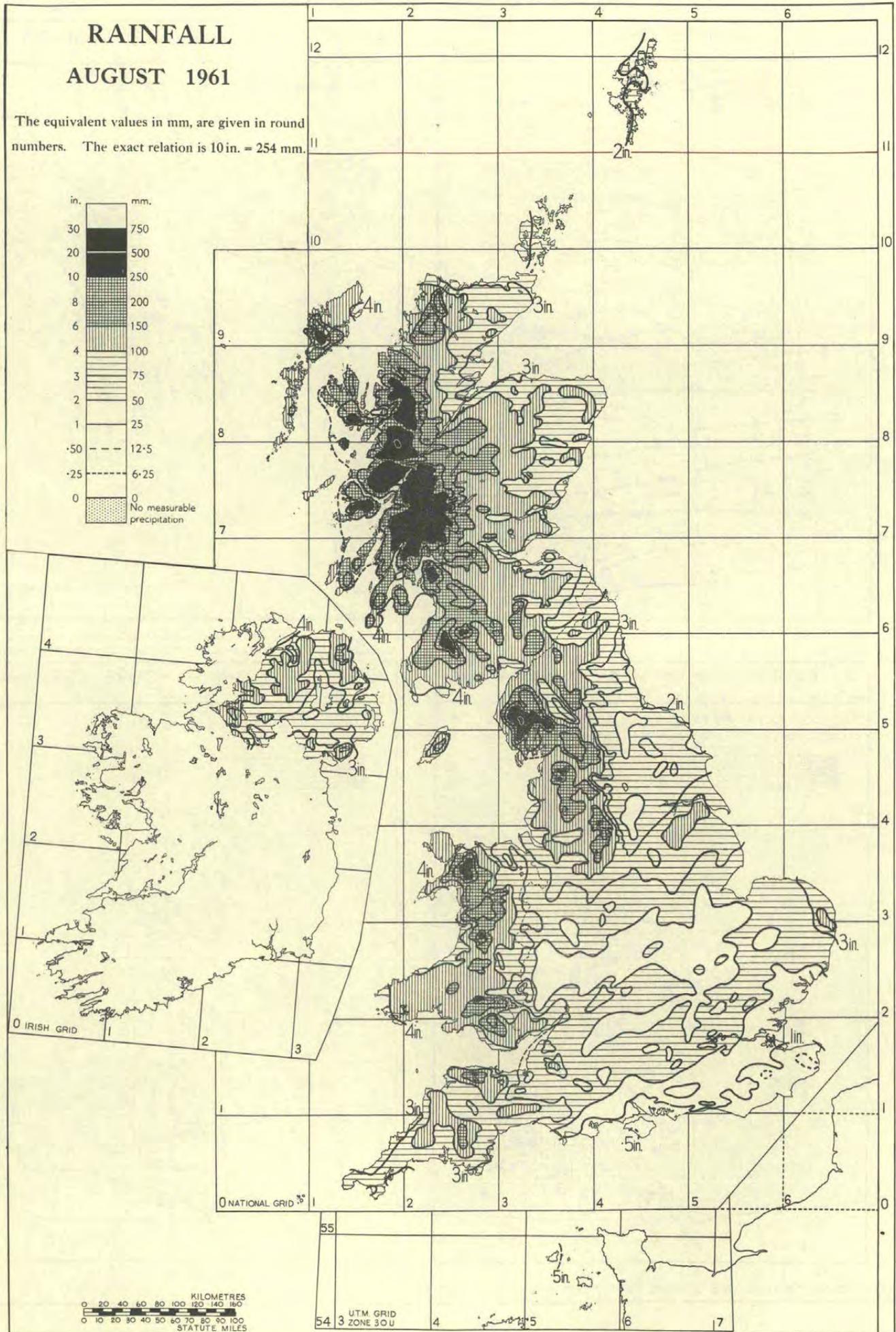
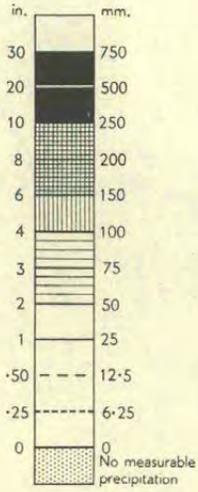


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1961

DISTRICT, COUNTY AND PLACE	Max. Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE								
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average						
			A	B			Maximum	Date	Minimum	Date					Amount	Date	-01in. (0-2mm.) or more	-04in. (1-9mm.) or more																	
			°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	Date	in.	mm.									hr	%					
0 SCOTLAND, N.																																			
Zetland																																			
Lerwick Obs'y.	21-9	269	14.3	9.6	11.9	0.0	18.3	29	5.7	23	-	-	2.13	77	.35	9	17	12	0	0	0	0	0	0	0	0	0	0	1	3.98	103				
Baltasound	9 9	78	14.8	8.6	11.7	-	21.7	29	4.4	6	11.2	-	2.51	87	.42	17	22	18	0	0	0	0	0	0	0	0	0	0	0	0	4.21	-			
Orkney																																			
Sule Skerry	9 9	43	14.2	10.9	12.5	-	20.5	29	8.5	3, 24	-	-	3.09	-	.48	20	23	19	0	0	0	0	0	0	0	0	0	0	0	0	0	2	-		
Kirkwall (Grimsetter)	21-9	84	15.5	9.4	12.5	-	20.5	28	6.1	17	-	-	2.36	82	.31	20	22	16	0	0	0	0	0	0	0	0	0	0	0	0	0	4.82	-		
Cathness																																			
Downreay	9 9	70	15.9	9.6	12.7	-	25.6	29	5.6	12	-	-	2.71	-	.36	3	21	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
Halkirk (Olgrinbeg)	9 9	232	-	-	-	-	-	-	-	-	-	-	3.19	-	.54	3	22	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Wick	21-9	119	15.7	9.4	12.5	0.0	20.5	28	4.4	3	-	-	2.91	111	.48	3	21	18	0	0	0	0	0	0	0	0	0	0	0	0	4.94	106			
Sutherland																																			
Cape Wrath	21-9	367	13.8	10.3	12.1	-	26.0	29	9.0	2, 12, 25	-	-	3.26	81	.54	26	23	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lairg (Achany)	9 9	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Strathay	9 9	120	16.3	9.6	12.9	-	26.1	29	5.6	12	-	-	3.13	98	.52	3	23	21	0	0	0	0	0	0	0	0	0	0	0	0	0	3.97	-		
Stornoway	21-9	11	15.5	9.8	12.7	-0.4	21.0	29	5.2	3	-	-	3.84	115	.69	26	25	19	0	0	0	0	0	0	0	0	0	0	0	0	1	3.94	92		
Ross & Cromarty																																			
Balmacara	9 9	2	16.3	10.4	13.3	-	23.3	28	6.7	11, 23	-	-	6.09	-	1.11	8	28	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Achnashellach	9 9	220	16.1	9.6	12.9	-0.5	27.2	29	3.9	3, 12	-	-	10.19	155	1.31	27	26	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kinlochewe	9 9	78	16.8	10.1	13.5	-	28.9	29	5.6	3, 8, 12	13.3	-	8.22	-	1.50	27	26	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.93	-8	
Garve (Blackbridge)	9 9	690	15.8	-	-	-	(26.1)	29	-	-	-	-	4.08	-	.53	20	23	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fortrose	9 9	15	16.6	11.2	13.9	0.0	23.9	29	7.8	6	-	-	2.50	97	.93	8	16	12	0	0	0	0	0	0	0	0	0	0	0	0	2	4.21	94		
Tarbatness	21-9	60	16.3	11.1	13.7	-	24.5	29	10.0	3, 15, 24	-	-	2.60	-	.57	3	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
Benbecula	21-9	19	15.3	11.1	13.2	-	20.0	29	7.6	12	-	-	5.55	146	.81	3	25	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4.21	
Isle of Rhum	9 9	15	16.1	10.5	13.3	-	21.7	28, 29	5.6	12	14.7	13.3	10.67	-	1.28	20	27	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	-	
Prabost	9 9	220	15.5	9.7	12.6	-	25.6	29	6.7	3, 12	-	-	6.59	-	.79	8	26	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2.45	
Duntulm	9 9	294	14.8	9.9	12.3	-	23.9	29	7.2	3	-	-	6.03	137	.68	18	26	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2.99	
Onich	9 9	48	16.3	10.1	13.2	-0.7	25.6	29	6.1	2, 24	-	-	12.15	184	1.60	8	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	3.14	878		
Fort William (Camaghael)	9 9	27	16.9	10.6	13.7	-	27.8	29	6.1	25	13.9	13.6	8.40	-	1.65	8	25	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.03	-	
Fort Augustus	9 9	70	16.9	9.9	13.4	-0.5	27.2	29	5.6	3, 12, 25	-	-	6.13	-	2.25	8	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.51	-
Cannich	9 9	380	16.8	7.8	12.3	-	25.6	29	1.7	3, 12	-	-	4.08	125	1.68	8	23	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
Dalwhinnie	18-9	1176	14.8	8.1	11.5	-	24.5	29	3.0	25	-	-	6.20	168	1.93	8	25	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.41	-
Inverness	9 9	13	17.4	10.6	14.0	-	26.7	29	7.2	3	-	-	2.81	-	1.00	8	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25	-
Achnagoichan	9 9	1000	15.8	8.3	12.1	-	25.0	29	2.8	3	11.6	-	5.00	-	1.23	8	23	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Glenmore Lodge	9 9	1120	15.7	8.0	11.9	-	25.0	29	1.3	3	-	-	6.14	-	1.87	8	22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3.19	-
1 SCOTLAND, E.																																			
Nairn																																			
Nairn	9 9	20	17.7	9.9	13.8	0.0	27.8	29	5.0	12, 25	-	-	2.68	97	.94	8	18	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.75	107
Grantown-on-Spey	9 9	720	17.0	7.3	12.1	-	25.0	29, 30	0.6	12	-	-	4.30	-	1.15	8	27	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Forres	9 9	155	17.6	9.5	13.5	-	26.7	29	5.0	3, 25	14.1	12.7	3.28	121	.78	8	18	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.09	-
Kinloss	21-9	15	17.7	9.7	13.7	-	27.1	29	4.3	25	-	-	3.25	-	.78	9	18	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.11	-
Elgin	9 9	92	17.6	10.0	13.8	-	27.2	29	6.1	3, 7	-	-	2.77	-	.65	8	18	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.37	-
Lossiemouth	9 9	21	16.8	9.0	12.9	-	26.7	29	3.9	25	-	-	2.17	-	.47	8	18	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-
Gordon Castle	9 9	104	17.9	8.4	13.1	-1.1	26.7	29	3.9	7	-	-	3.30	106	.78	9	18	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	898	
Glenlivet	9 9	1085	16.0	6.4	11.2	-	24.2	29	0.0	12, 25	10.6	-	3.45	107	.90	8	24	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.97	-
Aberdeen																																			
Braemar	9 9	1113	15.8	7.6	11.7	-0.																													

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE														
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 8h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 8h.	Air Frost	Grass min. °C.	Gale	Daily Mean	Percentage of Average													
			A	B			Maximum	Date	Minimum	Date					Amount	Date													0 in. (0-2mm.) or more	0-4 in. (10mm.) or more											
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr	%									
1 SCOTLAND, E.—cont.																																									
Middlethian cont.																																									
Penicuik ...	99	620	17.3	8.7	13.0	-	26.1	29	3.9	25	14.2	-	4.30	-	2.00	8	19	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Bush House ...	99	605	16.8	9.2	13.0	-	25.6	29	4.4	25	13.7	12.7	4.10	-	2.00	8	20	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Edinburgh—																																									
Blackford Hill¶	99	441	17.9	10.6	14.3	+0.1	27.2	29	8.3	3,7,25	-	-	3.67	117	2.10	8	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Liberton ...	99	200	18.0	10.6	14.3	-	28.3	29	5.0	25	-	-	3.61	-	2.10	8	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Botanic Garden ...	99	74	18.1	10.1	14.1	-	27.8	29	5.6	3,5,25	14.0	-	3.85	-	1.91	8	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
E. Lothian																																									
Haddington ...	99	162	18.4	9.7	14.1	-	27.2	29	4.4	25	-	-	2.98	-	1.61	8	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
North Berwick ...	99	51	18.5	10.4	14.5	+0.2	27.2	29	7.2	7,24	-	-	3.54	116	2.01	8	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Dunbar ...	99	75	17.9	11.0	14.5	-	26.7	29	7.8	25,31	-	-	3.74	-	2.35	8	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Berwick																																									
Marchmont ¶	99	498	17.5	8.9	13.2	-0.7	25.6	29	5.0	7,25	-	-	3.62	110	1.02	8	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
St. Abb's Head ...	99	245	16.0	11.3	13.7	-	21.8	29	8.5	25	-	-	2.50	-	1.13	8	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peebles																																									
Broughton ...	99	741	16.6	8.6	12.6	-	27.2	29	1.1	25	-	-	4.79	-	1.72	8	19	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Blyth Bridge ...	99	890	16.3	8.6	12.5	-	26.1	29	3.9	25	-	-	4.46	-	1.61	8	23	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
West Linton ...	99	800	16.5	8.3	12.4	-	26.1	29	2.2	25	12.9	12.6	4.42	-	1.40	8	22	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peebles ...	99	645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Peebles (Glenress) ...	99	580	17.4	8.6	13.0	-	26.7	29	2.2	25,31	-	-	3.89	-	1.60	8	20	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Selkirk																																									
Selkirk (Bowhill) ...	99	600	17.6	8.4	13.0	-	26.7	29	2.8	25	-	-	3.97	-	1.73	8	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Roxburgh																																									
Hawick (Wauchope) ...	99	560	18.5	8.3	13.4	-	27.8	29	2.8	12	-	-	2.39	-	1.17	8	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sourhope ...	99	900	17.3	8.7	13.0	-	24.4	29,30	3.9	12	-	-	3.10	-	1.25	8	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6a SCOTLAND, W.																																									
Argyll																																									
Three ... ¶	21-9	29	15.3	11.0	13.1	-0.6	17.7	29	7.2	12	-	-	5.45	151	.86	26	25	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rhuvaal ...	21-9	65	15.3	11.2	13.3	-	19.8	29	7.4	12	-	-	7.04	-	1.28	3	25	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Colonsay ...	99	87	15.9	10.3	13.1	-	20.0	29	5.6	12	-	-	5.93	136	1.04	3	27	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Campbeltown ...	99	10	16.3	10.3	13.3	-	20.0	29	6.7	14	-	-	3.55	-	.82	8	20	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tarbert(Achaglachgach) ...	99	40	16.8	9.3	13.1	-	22.8	29	2.8	12	-	-	7.89	-	1.56	3	27	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oban ...	99	229	15.5	10.5	13.0	-	23.9	29	8.9	3,12,25	-	-	8.99	193	1.44	8	28	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lephnore ...	99	30	16.7	10.3	13.5	-	23.9	29	5.6	12	-	-	8.63	-	1.55	8	24	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Glenbranter ...	99	120	16.3	9.0	12.7	-1.2	23.3	29	3.3	12	-	-	13.00	182	2.49	8	27	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benmore (Forestry Sch.) ...	99	46	17.0	9.6	13.3	-	23.9	29	4.4	7,8	13.8	13.2	10.59	148	2.09	8	25	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benmore (Younger Bot. Gdn.) ...	99	40	-	-	-	-	-	-	-	-	-	-	10.69	-	2.22	8	24	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bute																																									
Lochransa ...	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rothsay ¶	99	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Millport ...	99	16	16.8	11.2	14.0	-	22.2	29	7.8	24	-	-	7.02	188	2.45	8	22	14	0																						

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS							EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE							
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. (°C. or less)	Gale	Daily Mean	Percentage of Average			
			A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum					Date	Amount	Date	-0.1in. (0.2mm.) or more												-0.4in. (1.0mm.) or more		
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr	%		
2 ENGLAND, N.E.—cont.																															
Northumberland	Acklington	21-9	138	18.3	9.5	13.9	-	24.8	29	4.4	12	-	-	2.77	-	.81	8	16	8	0	0	0	0	0	0	0	0	0	0	6.14	-
Northumberland cont.	Tynemouth	21-9	95	18.1	11.4	14.7	-0.1	24.4	29	6.5	12	-	-	1.89	62	.49	10	19	8	0	0	0	0	0	0	0	0	0	0	5.73	-
Durham	Chopwellwood	9 9	446	18.6	9.2	13.9	-0.5	24.4	29	3.9	12	-	-	2.68	88	.55	10,11	20	14	0	0	0	0	0	0	0	0	2	-	-	-
	Ushaw College	9 9	594	18.3	9.6	13.9	-0.7	24.4	29	5.6	12	-	-	3.29	115	1.34	10	13	10	0	0	0	0	0	0	0	0	0	-	-	-
	Houghall	9 9	123	19.3	9.1	14.2	-0.7	26.1	29	1.1	12	-	-	2.82	97	1.14	10	13	8	0	0	0	0	0	0	0	0	0	0	5.76	126
	Durham	9 9	336	19.2	9.6	14.4	-0.3	26.1	29	3.3	12	14.6	13.0	3.22	119	1.46	10	12	8	0	0	0	0	0	0	0	0	0	5.31	112	
	Gateshead	9 9	509	18.0	10.6	14.3	-	25.0	29	6.7	12	-	-	2.07	-	.39	7,11	19	10	0	0	0	0	0	0	0	0	0	5.92	-	
	Middleton St. Gge.	21-9	115	19.3	10.7	15.0	-	27.2	29	3.9	12	-	-	1.57	-	.36	11	14	11	0	0	0	0	0	1	1	0	1	0	5.73	-
	West Hartlepool	9 9	30	19.1	11.4	15.3	-	26.1	29	5.0	12	-	-	1.79	-	.53	22	17	9	0	0	0	0	0	0	0	0	0	5.72	-	
Yorks.	Hawes	-	745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N. Riding	Dishforth	21-9	105	19.7	10.8	15.3	-	28.2	29	4.6	12	-	-	2.13	85	.55	11	17	10	0	0	0	0	0	0	0	0	0	0	6.16	-
	York	9 9	57	19.9	11.3	15.6	-0.4	29.4	29	6.1	12	15.3	13.8	2.07	81	.36	3	19	13	0	0	0	0	0	0	0	0	0	0	5.81	(15)
	Ampleforth	9 9	313	18.5	10.4	14.5	-0.5	26.1	29	6.1	7, 12	-	-	3.24	106	.54	11	19	15	-	-	-	-	-	-	-	-	-	-	-	-
	Redcar	9 9	25	19.4	11.2	15.3	-	27.2	29	5.0	12	-	-	1.77	69	.53	10	19	11	0	0	0	0	0	1	0	0	0	0	5.67	-
	Whitby	9 9	135	18.9	11.1	15.0	-	26.1	29, 30	5.6	12	-	-	1.72	63	.41	10	14	11	0	0	0	0	0	1	0	0	0	0	5.88	-
	Scarborough	9 9	118	19.2	11.8	15.5	-0.3	24.4	28, 29	8.3	12	-	-	1.40	54	.26	3	13	12	0	0	0	0	0	0	0	0	0	0	6.45	124
	Silpho Moor	9 9	665	17.6	9.9	13.7	-	23.9	29	5.6	31	13.3	-	2.11	-	.62	10	15	11	0	0	0	0	0	0	0	0	0	0	6.18	-
Yorks.	High Mowthorpe	9 9	574	18.3	9.5	13.9	-	25.0	29	5.0	7, 12	14.1	-	2.94	-	.61	7	16	14	0	0	0	0	0	0	1	0	0	0	5.74	-
E. Riding	Hull	9 9	8	19.8	11.5	15.7	-0.7	26.1	30	6.1	12	15.4	12.8	4.17	162	.65	20	19	16	0	0	0	0	0	0	0	0	0	0	6.03	112
	Leconfield	21-9	24	19.3	10.6	14.9	-	25.9	29	5.6	31	-	-	3.06	-	.41	23	18	15	0	0	0	0	0	1	0	0	0	0	6.34	-
	Filey	9 9	122	18.0	10.4	14.2	-	23.3	28	5.6	7, 12	-	-	1.74	-	.41	10	16	12	0	0	0	0	0	1	0	0	0	0	6.53	-
	Bridlington	9 9	157	17.9	10.2	14.1	-	22.8	28	6.1	7, 12, 16	-	-	2.54	-	.45	10	17	15	0	0	0	0	0	1	0	0	0	4	6.58	-
	Spurn Head	21-9	29	18.6	12.3	15.5	-0.6	23.6	28	9.9	12	-	-	3.49	-	.72	8	18	15	0	0	0	0	0	1	0	0	0	0	6.10	108
Lincoln	Gainsborough	9 9	110	19.4	10.7	15.1	-	29.4	29	6.1	14	-	-	3.77	-	.56	7	21	17	0	0	0	0	0	0	0	0	0	0	6.10	108
	Waddington	21-9	224	19.5	11.3	15.4	-	29.3	29	6.1	12	-	-	3.04	-	.48	1	19	15	0	0	0	0	0	4	0	0	0	0	5.88	-
	Lincoln	9 9	22	20.1	10.2	15.1	-	27.2	29	2.8	31	15.5	14.4	3.20	-	.69	10	19	13	0	0	0	0	0	4	0	0	0	2	5.94	-
	Cranwell	9 9	205	19.8	11.1	15.5	-0.4	29.4	29	6.8	12	16.2	16.1	2.78	128	.37	5	20	14	0	0	0	0	0	5	0	0	0	0	6.26	108
	Cleethorpes	9 9	23	19.7	11.5	15.6	-0.3	26.7	29	8.3	3, 12	-	-	3.41	161	.76	23	17	17	0	0	0	0	0	1	0	0	0	0	6.24	109
	Manby	21-9	55	19.2	10.7	14.9	-	26.3	29	6.1	12	-	-	2.69	-	.37	7	18	16	0	0	0	0	0	4	0	0	0	0	6.39	-
	Skegness	9 9	15	19.8	11.1	15.5	-0.4	25.6	26	7.2	3, 16	-	-	2.75	129	.41	10	21	14	0	0	0	0	0	2	0	0	0	1	6.61	113
3 ENGLAND, E.																															
Norfolk	Terrington	9 9	13	20.7	10.9	15.8	-	30.0	29	6.7	7, 31	15.2	-	1.77	94	.33	10	16	11	0	0	0	0	0	2	0	0	0	0	6.13	-
	St. Clement	21-9	76	20.6	10.8	15.7	-	29.6	29	5.9	31	-	-	1.58	-	.31	7	19	10	0	0	0	0	0	3	0	0	0	0	-	-
	Marham	9 9	80	21.5	9.4	15.5	-	29.4	29	1.1	31	14.7	13.5	1.99	-	.50	10	17	12	0	0	0	0	0	0	0	3	-	-	-	
	Santon Downham	9 9	250	19.7	10.6	15.1	-	28.0	29	6.4	3	-	-	2.51	-	.33	7	20	16	0	0	0	0	1	2	0	0	0	0	5.59	-
	West Raynham	21-9	178	19.1	11.6	15.3	-1.1	28.1	29	8.9	16, 25	-	-	2.61	130	.47	16	18	13	0	0	0	0	0	0	0	0	0	0	6.68	112
	Cromer	9 9	93	20.7	11.1	15.9	-0.4	26.7	29	5.0	3	15.2	-	2.75	130	.62	10	19	13	0	0	0	0	0	3	0	0	2	1	5.80	97
	Sproston	9 9	89	19.9	11.3	15.6	-	25.6	4	7.2	3, 16, 25	-	-	4.21	202	1.25	11	18	11	0	0	0	0	0	3	0	0	0	0	6.45	-
	Burlingham	9 9	5	19.7	12.5	16.1	-0.4	25.8	4	8.4	3	16.1	14.9	3.91	194	.85	11	14	12	0	0	0	0	0	3	0	0	0	2	6.68	107
	Gorleston	21-9	15	21.3	11.5	16.4	-	30.2	29	5.5	31	-	-	1.85	91	.37	6	18	11	0	0	0	0	1	0	5	0	0	0	6.20	-
Suffolk	Mildenhall	9 9	14	21.7	11.0	16.3	-	27.2	29	7.2	3, 31	-	-	1.91	-	.68	4	16	10	0	0	0	0	0	1	0	0	0	0	-	-
	East Bergholt	21-9	292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wattisham	21-9	10	19.6	13.4	16.5	-0.7	24.9	30	9.8	12	-	-	1.73	94	.46	4	14	9	0	0	0	0	0	2	0	0	0	1	6.36	96
	Felixstowe	9 9	82	20.2	11.9	16.1	-0.4	26.1	4	7.2	3	15.9	15.1	4.33	202	1.03	1	15	12	0	0	0	0	0	4	0	0	0	0	6.31	100
	Lowestoft	9 9	157	21.5	11.2	16.3	-	29.4	29	7.2	12, 31	-	-	2.03	116	.41	10	19	12	0	0	0	0	0	3	0	0	0	0	6.21	-
Cambridge	Boxworth	9 9	41	21.4	11.1	16.3	-0.3	29.4	29	6.7	3, 7	16.8	15.8	2.05</																	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE								
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or sleet	Snow lying at 9h.	Hall	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O.C. or less	Gale	Daily Mean	Percentage of Average					
			A Max.	B Min.		Mean Temperature Mean of A and B	Maximum	Date	Minimum					Date	Amount	Date	-0.1in. (0.2mm.) or more												-0.01in. (1.0mm.) or more				
			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%					
5 ENGLAND, S.E.—cont.																																	
Surrey	Wisley ...	9 9	150	21.2	11.8	16.5	-0.3	30.0	29	7.2	3,16	16.8	15.6	2.38	110	.68	1	16	11	0	0	0	0	0	0	0	0	0	0	0	5.04	87	
	Mickleham ...	9 9	179	20.8	10.9	15.9	-	30.0	29	5.0	3	-	-	1.63	69	.34	10	12	8	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Kew Observatory §	21-9	18	20.7	13.5	17.1	-0.2	30.3	29	9.8	3	16.8	15.7	2.30	103	.50	24	15	10	0	0	0	0	0	0	0	0	0	0	0	5.38	89	
	Gatwick ...	21-9	192	21.3	10.9	16.1	-	29.8	29	4.5	3	-	-	1.50	-	.41	10	11	9	0	0	0	0	0	0	0	0	0	0	1	5.82	-	
Kent	Croydon (Waddon)	9 9	220	20.9	12.3	16.6	-0.3	30.6	29	7.8	3	-	-	1.78	75	.56	1	9	8	-	-	-	-	-	-	-	-	-	-	-	-		
	Addington	9 9	474	20.4	12.1	16.3	-0.1	29.4	29	8.9	3,16	-	-	2.06	81	.53	10	15	9	-	-	-	-	-	-	-	-	-	-	-	-		
	Bromley ...	9 9	213	21.0	12.5	16.7	-0.4	30.0	29	8.3	3,16	-	-	1.97	91	.46	10	13	9	-	-	-	-	-	-	-	-	-	-	-	-		
	Swanley ...	9 9	177	21.2	11.4	16.3	-	30.0	29	5.6	7,31	16.3	-	1.65	-	.45	1	12	7	0	0	0	0	0	0	0	0	0	0	0	5.31	-	
	Dartford	9 9	17	12.3	-	-	-	31.1	29	7.2	3	-	-	1.60	81	.44	1	13	8	0	0	0	0	0	0	0	0	0	0	0	0	-	
	Tunbridge Wells	9 9	351	20.6	10.9	15.7	-0.7	30.0	29	5.6	3	16.7	16.3	.99	41	.20	7,13	12	7	0	0	0	0	0	0	0	0	0	0	0	5.85	90	
	Goudhurst	9 9	280	20.6	11.1	15.9	-	29.4	29	4.4	3	-	-	1.20	43	.21	13	14	12	0	0	0	0	0	0	0	0	0	0	0	1	-	
	East Malling §	9 9	122	21.4	11.4	16.4	+0.2	30.6	29	5.6	3	-	15.9	1.04	44	.27	24	15	10	0	0	0	0	0	0	0	0	0	0	1	5.82	94	
	Benenden	9 9	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Gillingham	9 9	10	22.1	12.9	17.5	-	31.1	29	10.0	16	-	-	1.21	-	.39	24	13	7	0	0	0	0	0	0	0	0	0	0	0	5.07	-	
	Sittingbourne	9 9	224	21.3	11.9	16.6	-	30.6	29	7.8	3,31	16.6	15.3	.92	-	.14	5,7	12	9	0	0	0	0	0	0	0	0	0	0	0	6.20	-	
	Isle of Grain	9 9	9	21.2	13.4	17.3	-	30.0	29	10.6	7,16	-	-	2.18	-	1.31	24	14	7	-	-	-	-	-	-	-	-	-	-	-	5.68	-	
	Throwley	9 9	493	20.1	11.4	15.7	-	29.4	29	7.2	3	16.4	14.9	1.25	-	.33	11	13	7	0	0	0	0	0	0	0	0	0	0	0	1	5.85	-
	Faversham	9 9	157	21.3	12.1	16.7	-	31.1	29	7.8	3	16.9	16.1	.62	-	.11	10	11	7	0	0	0	0	0	0	0	0	0	0	0	1	6.03	-
Dungeness	21-9	10	19.9	13.1	16.5	-	25.6	29	8.2	3	-	-	.51	25	.23	13	9	6	0	0	0	0	0	0	0	0	0	0	0	1	-		
Wye ...	9 9	185	21.0	11.8	16.4	-0.1	30.0	29,30	7.8	3	-	-	.73	29	.19	13	10	8	0	0	0	0	0	0	0	0	0	0	0	5.80	90		
Whitstable	9 9	9	21.2	13.1	17.1	-	31.1	29	9.4	14,16	-	-	.68	35	.15	24	13	8	0	0	0	0	0	0	0	0	0	0	0	0	6.07	-	
Folkstone	9 9	128	20.6	13.6	17.1	-	28.3	29	11.1	3,16	-	16.7	.59	29	.24	5	7	4	0	0	0	0	0	0	0	0	0	0	0	0	6.56	-	
Wingham (Elmstone)	9 9	28	21.4	11.5	16.4	-	29.4	29	6.7	3,10	-	-	.49	-	.09	10,24	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-		
Herne Bay	9 9	21	21.5	13.8	17.6	-	30.6	29	10.0	3	-	-	.75	37	.19	24	11	8	0	0	0	0	0	0	0	0	0	0	0	1	5.88	-	
Dover ...	9 9	19	20.2	13.9	17.0	+0.2	26.7	29	10.6	3	18.0	17.4	.80	36	.37	5	11	6	0	0	0	0	0	0	0	0	0	0	0	1	6.01	-8	
Dover R.M.S.	9 9	402	-	-	-	-	-	-	-	-	-	-	.83	31	.23	5	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-		
Deal ...	21-9	18	20.2	13.8	17.0	-	24.6	28	9.3	3	-	-	.36	-	.13	5	9	3	0	0	0	0	0	0	0	0	0	0	0	0	-		
Ramsgate	9 9	80	20.2	14.0	17.1	-	23.3	30	11.1	7,16	-	-	.70	33	.20	14	11	6	0	0	0	0	0	0	0	0	0	0	0	0	6.79	102	
Manston ...	21-9	145	20.7	12.6	16.6	-	27.8	29	9.5	10	-	-	.69	-	.18	14	10	8	0	0	0	0	0	0	0	0	0	0	0	0	-		
Margate ...	9 9	51	20.1	14.4	17.2	-0.3	26.1	29	12.2	9,10	17.2	16.4	1.18	62	.35	24	12	8	0	0	0	0	0	0	0	0	0	0	0	0	6.50	93	
Thorney Island	21-9	10	21.4	12.6	17.0	-	28.4	29	6.3	7	-	-	.62	29	.56	19	15	6	0	0	0	0	0	0	0	0	0	0	0	0	6.56	-	
Bognor Regis	9 9	24	19.7	13.3	16.5	-0.2	25.6	30	8.9	7	-	16.7	.67	29	.20	12	9	5	0	0	0	0	0	0	0	0	0	0	0	0	6.99	103	
Littlehampton	9 9	15	20.3	13.1	16.7	0.0	27.2	30	8.3	3,7	-	16.8	1.02	45	.29	12	7	6	0	0	0	0	0	0	0	0	0	0	0	0	6.70	98	
Rustington	9 9	10	20.3	11.8	16.1	-	26.7	29,30	5.6	7	-	15.3	1.00	-	.22	10	10	6	-	-	-	-	-	-	-	-	-	-	-	6.07	-		
Worthing	9 9	25	20.4	13.7	17.1	+0.1	25.6	30	9.4	7	-	16.0	.97	43	.35	10	12	4	0	0	0	0	0	0	0	0	0	0	0	0	1	6.53	93
Brighton ...	9 9	32	20.2	14.1	17.1	-	28.3	29	10.0	7	-	16.5	.82	36	.20	4	9	7	0	0	0	0	0	0	0	0	0	0	0	0	1	6.05	-
East Grinstead	9 9	440	21.3	11.1	16.2	-	28.9	29	5.6	3	-	15.4	1.03	-	.19	7	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	-	
Seaford ...	9 9	45	20.1	13.2	16.7	-	28.3	29	8.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.17	-		
Eastbourne	9 9	35	19.7	14.0	16.9	0.0	25.6	30	11.1	7	17.8	16.8	.67	27	.34	4	10	6	0	0	0	0	0	0	0	0	0	0	0	0	1	6.84	95
Eastbourne (C/guard)	21-9	17	19.9	13.7	16.8	-	26.5	30	9.6	10	-	-	.48	-	.22	4	8	4	0	0	0	0	0	0	0	0	0	0	0	0	2	-	
Bexhill ...	9 9	14	19.8	13.3	16.5	-0.3	26.1	30	8.9	16	17.6	-	.53	23	.25	4	8	6	0	0	0	0	0	0	0	0	0	0	0	0	1	5.73	-
Sedlescombe	9 9	175	20.8	11.4	16.1	-	30.0	29	7.2	3	-	-	.80	-	.24	4	14	7	0	0	0	0	0	0	0	0	0	0	0	0	1	-	
Bodiam ...	9 9	73	21.7	11.2	16.5	-	30.0	29	5.0	3,10	16.8	15.4	.63	-	.16	4	10	7	-	-	-	-	-	-	-	-	-	-	-	5.86	-		
Hastings ... §	9 9	149	19.9	13.6	16.7	0.0	27.8	30	10.0	16	17.8	16.7	.62	28	.25	4	7	6	0	0	0	0	0	0	0	0	0	0	0	0	1	6.25	89
Letcombe Regis	9 9	350	20.4	10.2	15.3	-	31.1	29	5.6	31																							

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE					
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Per-cent- age of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Per-cent- age of Average		
			A	B		Maximum	Date	Minimum	Date					Amount	Date	0-1in. (0-2mm.) or more	0-4in. (10mm.) or more													
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%		
8b ENGLAND, S.W.																														
Somerset	Hawkridge (Liscombe)	9 9	1030	17.2	10.0	13.6	-	25.6	29	6.1	28	-	-	5.65	-	1.66	10	20	17	-	0	-	-	-	0	0	0	0	-	-
	Cannington ...	9 9	95	20.3	12.8	16.5	-	29.4	29	7.8	28	17.1	-	2.08	73	.65	10	14	10	0	0	0	0	0	0	0	0	0	6.24	-
	Weston-s.-Mare ...	9 9	28	20.3	13.3	16.8	-	29.4	29	10.6	3,7,31	-	-	2.30	66	.52	10	17	11	0	0	0	0	1	0	0	0	6.05	101	
	Long Ashton ...	9 9	182	20.1	11.9	16.0	-0.2	29.4	29	6.7	3	17.3	-	3.00	84	.69	10	16	12	0	0	0	0	1	0	0	0	5.61	94	
	Bath (City Boys' School)	9 9	388	20.2	11.9	16.1	-	30.0	29	5.6	3	-	-	2.25	-	.43	7	14	11	0	0	0	0	0	0	0	0	-	-	
	Bath ...	9 9	67	20.8	12.3	16.5	-0.2	30.6	29	6.1	3	17.4	16.1	2.02	71	.44	7	16	11	0	0	0	0	1	0	0	0	5.67	98	
Dorset	Portland Bill ...	21-9	35	18.5	14.1	16.3	0.0	21.5	29	11.0	12	-	-	.66	35	.21	10	9	7	0	0	0	0	0	0	0	0	3	-	
	Weymouth ...	9 9	16	20.4	13.6	17.0	0.0	26.1	30	9.4	7	-	-	1.99	64	.60	10	12	7	-	-	-	-	-	-	-	6.34	94		
	Shaftesbury ...	9 9	680	18.8	11.2	15.0	-0.6	26.1	29	7.8	10,11	-	-	2.51	90	.57	5,8	16	8	-	0	-	-	2	0	0	0	-	-	
	Swanage ...	9 9	37	20.0	13.1	16.5	-	25.0	30	8.3	7	-	16.6	.51	-	.24	10	8	4	0	0	0	0	1	0	0	0	2	6.20	
	Poole ...	9 9	18	21.4	11.8	16.6	-	27.8	30	6.1	3,7	-	-	.77	-	.27	7	9	4	0	0	0	0	0	0	0	0	6.15	-	
Devon	Hartland Pt. ...	21-9	298	17.3	13.5	15.4	-	25.4	29	11.3	10,11	-	-	3.38	-	1.09	10	15	13	0	0	0	0	0	2	0	0	3	5.79	
	Plymouth (Mt. Batten)	21-9	87	18.6	12.9	15.7	-0.4	25.1	29	7.7	3	-	-	3.48	121	1.82	10	14	8	0	0	0	0	1	0	0	0	6.05	98	
	Plymouth (The Hoe)	9 9	119	19.4	12.8	16.1	-0.3	25.0	29	8.3	3	16.9	16.2	3.38	117	1.72	10	13	8	0	0	0	0	1	0	0	0	6.06	97	
	Tavistock ...	9 9	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Chivenor ...	21-9	20	19.6	13.0	16.3	-	28.6	29	8.8	12	-	-	3.41	-	1.28	10	18	11	0	0	0	0	0	0	0	0	6.28	-	
	Ilfracombe ...	9 9	25	18.8	13.9	16.3	-0.2	28.9	29	9.4	31	17.5	16.4	4.38	139	1.28	10	16	15	0	0	0	0	0	0	0	2	6.26	104	
	Princetown ...	9 9	1359	-	-	-	-	-	-	-	-	-	-	6.95	104	1.88	10	20	19	-	-	-	-	-	-	-	-	-	-	
	Totnes ...	9 9	120	20.3	11.3	15.8	-	26.7	29	4.4	3	16.8	14.9	3.28	94	1.40	10	13	9	0	0	0	0	1	0	2	1	5.76	-	
	Slapton ...	9 9	104	19.6	11.9	15.7	-	23.3	29,30	8.3	7,12	-	-	2.76	-	.78	10	13	8	0	0	0	0	1	0	0	1	-	-	
	Newton Abbot ...	9 9	272	20.1	12.1	16.1	-0.1	24.4	29	7.8	7	-	-	3.42	117	1.88	10	11	11	0	0	0	0	1	0	0	0	6.00	100	
	Paignton ...	9 9	8	20.3	12.9	16.6	-	22.8	1,29	8.3	12	-	-	2.84	97	1.29	10	12	8	0	0	0	0	0	0	0	0	5.50	84	
	Torquay ...	9 9	26	20.0	13.4	16.7	0.0	23.3	29	9.4	7	-	17.8	2.76	105	1.34	10	11	7	0	0	0	0	0	0	0	3	6.36	95	
	Teignmouth ...	9 9	20	20.1	13.6	16.9	+0.1	22.8	30	9.4	3,7	-	-	3.02	123	1.86	10	13	9	0	0	0	0	0	0	0	1	5.73	87	
	Starcross ...	9 9	29	20.1	12.5	16.3	-	22.8	4,27,30	6.7	3	17.1	-	2.98	-	1.91	10	14	4	0	0	0	0	1	0	0	1	6.43	-	
	Exeter (Southam)	9 9	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Exmouth ...	9 9	195	19.4	12.7	16.1	0.0	22.8	24,30	9.4	7,12	-	-	3.43	129	2.34	10	14	7	0	0	0	0	1	1	0	0	5.48	88	
	Exeter ...	21-9	106	20.3	11.7	16.0	-	23.7	29	6.1	7	-	-	3.52	130	2.21	10	14	7	0	0	0	0	0	0	0	0	5.51	-	
	Sidmouth ...	9 9	25	19.8	12.9	16.3	+0.1	22.8	30	7.8	7	-	-	4.02	-	2.22	10	15	7	-	-	-	-	1	0	0	0	5.52	-	
Cornwall	St. Mary's, Scilly	21-9	158	18.9	13.8	16.3	+0.1	21.2	17	11.7	7	-	-	3.88	154	2.02	7	17	10	0	0	0	0	0	0	0	0	5.59	86	
	Penzance ...	9 9	62	19.2	13.1	16.1	-0.4	22.2	29	8.3	7	-	-	3.13	106	1.92	7	16	12	0	0	0	0	1	0	0	0	6.32	99	
	Gulval ...	9 9	50	19.2	13.3	16.3	+0.1	23.9	30	8.9	7	-	-	3.08	-	1.19	7	18	12	-	-	-	-	0	0	0	0	6.24	99	
	Culdrose ...	9 9	288	18.1	12.7	15.4	-	24.4	29	7.8	7	-	-	2.85	-	1.06	7	13	8	0	0	0	0	3	0	0	0	6.17	-	
	Camborne (Rosewarne)	9 9	250	18.4	13.1	15.7	-	26.1	29	10.0	31	16.4	15.7	2.56	-	.93	7	14	10	0	0	0	0	1	0	0	0	5.53	-	
	Lizard ...	9 9	240	18.1	12.8	15.5	-	21.2	29	10.1	12	-	-	3.56	150	1.30	10	14	8	0	0	0	0	0	0	0	0	5.87	-	
	Falmouth ...	9 9	167	18.9	13.1	16.0	-0.5	23.3	29	10.6	3,11	-	-	3.50	115	1.00	7,10	18	14	0	0	0	0	0	0	0	2	5.04	-	
	Newquay ...	9 9	176	18.6	13.4	16.0	+0.1	25.6	29	9.4	7,31	-	-	2.71	101	.89	7	11	8	0	0	0	0	0	0	0	6.10	99		
	St. Mawgan ...	21-9	337	18.1	13.1	15.6	-	24.7	29	9.0	7	-	-	2.91	-	1.02	10	13	8	0	0	0	0	3	0	0	1	6.22	-	
	St. Austell ...	9 9	310	19.3	12.9	16.1	-	23.3	29	8.9	7	-	-	3.10	86	1.13	7	16	12	0	0	0	0	2	0	0	0	-	-	
	Fowey ...	9 9	51	19.4	12.7	16.1	-0.3	23.3	31	8.3	7	-	-	3.23	-	1.44	10	16	11	0	0	0	0	0	0	0	0	-	-	
	Bude ...	9 9	50	18.9	13.4	16.1	+0.3	27.8	29	7.2	12,31	16.2	-	3.02	107	1.18	11	15	8	-	-	-	-	0	0	1	5.95	99		
	Ellbridge ...	9 9	190	19.3	11.8	15.5	-	25.6	29	5.0	7	-	-	3.89	-	1.77	10	18	11	0	0	0	0	0	0	2	5.78	-		
NORTHERN IRELAND																														
Londonderry	Eglington ...	9 9	46	17.7	10.1	13.9	-	22.8	28	5.0	12	-	-	4.05	-	.73	3	27	22	0	0	0	0	0	0	0	0	-	-	
	Ballykelly ...	21-9	3	17.4	10.8	14.1	-0.5	24.2	28	4.2	24	-	-	2.44	75	.65	3	22	14	0	0	0	0	0	0	0	0	4.46	100	
	Garvagh ...	9 9	121	17.7	9.5	13.6	-0.5	22.8	28,29	3.3	12	15.1	-	3.15	79	.68	3	24	16	0	0	0	0	1	0	0	2	0	-	
Antrim	Portrush ...	-	18	-	-	-	-	-	-	-	-	-	-	3.67	-	.92	3	26	22	-	-	-	-	-	-	-	-	4.42	-	
	Aldergrove ...	21-9	217	17.4	10.2	13.8	-0.5	22.5	29	4.7	24	-	-	2.80	85	.45	8	22	18	0	0	0	0	1	0	2	0	3.92	91	
	Nutts Corner ...	21-9	338	1																										

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-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	669	2	154	23	351.7	31	366	7	141	23	232.4	31	659	2	178	23	367.0	31
Eskdalemuir	566	31	41	8	339.5	31	304	4	41	8	210.6	29	551	31	53	8	343.1	31
Cambridge	573	12	181	24	382.2	31	316	6	98	30	219.8	31	-	-	-	-	-	-
Kingsway	569	27	175	24	355.2	31	334	3	107	30	223.6	31	648	7	252	4	424.0	31
Kew	551	7	153	24	353.1	31	293	3	100	31	204.0	31	623	27	191	24	387.4	31
Aberporth	707	6	202	16	451.3	31	349	4	157	30	247.1	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN AUGUST 1961 WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS.

STATION	MAXIMUM TEMPERATURE °C.											MINIMUM TEMPERATURE °C.																										
	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° 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	25	6	0	0	0	0	0	0	0	0	20	11	0	Birmingham	0	0	0	1	23	6	0	1	0	0	0	0	0	0	0	0	0	0	2	28	1
Stornoway	0	0	0	12	18	1	0	0	0	0	0	0	0	12	19	0	Kew Observatory	0	0	0	0	18	11	1	1	0	0	0	0	0	0	0	0	0	0	2	22	7
Craibstone	0	0	0	7	22	2	0	0	0	0	0	0	2	22	7	0	Hastings	0	0	0	0	21	8	2	0	0	0	0	0	0	0	0	0	0	0	1	22	8
Rothsay	0	0	0	6	24	1	0	0	0	0	0	0	0	12	19	0	Southampton	0	0	0	0	5	23	3	0	0	0	0	0	0	0	0	0	0	0	4	20	7
Renfrew	0	0	0	2	25	3	1	0	0	0	0	0	0	10	21	0	Stonyhurst	0	0	0	3	24	3	1	0	0	0	0	0	0	0	0	0	0	0	13	17	1
Eskdalemuir	0	0	0	11	18	2	0	0	0	0	0	0	7	16	8	0	Bidston Observatory	0	0	0	1	27	2	1	0	0	0	0	0	0	0	0	0	0	0	1	29	1
Douglas	0	0	0	1	30	0	0	0	0	0	0	0	0	10	21	0	Holyhead (Valley)	0	0	0	0	28	2	1	0	0	0	0	0	0	0	0	0	0	0	5	25	1
Cockle Park	0	0	0	2	24	5	0	0	0	0	0	0	0	18	13	0	Falmouth	0	0	0	0	27	4	0	0	0	0	0	0	0	0	0	0	0	0	0	27	4
Gorleston	0	0	0	1	19	10	1	0	0	0	0	0	4	24	3	Aldergrove	0	0	0	2	25	4	0	0	0	0	0	0	0	0	0	0	0	1	12	18	0	
Cambridge	0	0	0	0	12	15	4	0	0	0	0	0	0	11	18	2	Armagh	0	0	0	0	27	4	0	0	0	0	0	0	0	0	0	0	0	0	13	18	0

TABLE II—ADDITIONS AND CORRECTIONS

MONTH	STATION	Height of Vane			Distribution of Mean Hourly Values of Wind Speed										Mean Hourly Wind Speed	Highest Velocities				
		Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		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	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed		Hour ended at	Speed	Day and Time		
1960		ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.	
February	Eskdalemuir	825	50	35										190						
March	Eskdalemuir	825	50	35										070						
April	Eskdalemuir	825	50	35										250						
May	Eskdalemuir	825	50	35										090						
December	Dungeness	70	50	33	3.4.26.	32	12	92	177	274	169	0	11.4	240	45	4	07	66	4	0725
December	Paisley	188	81	31	-	0	1	3	111	320	310	0	5.4	300	24	25	24	54	4	1520
1961																				
May	Lizard	315	75	60	-	0	10	78	319	265	45	37	12.4	220	30	6	12	42	6	1120

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OF THE METEOROLOGICAL OFFICE

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

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September 1961 — *Changeable; mild.*

The month provided a wide variety of weather types over the British Isles, ranging from warm anticyclonic through thundery cols to vigorous depressions. The 16th was particularly stormy in Northern Ireland and the north of Great Britain.

The fine very warm weather at the end of August persisted during the first two days of September. Widespread overnight fog cleared in most places by mid-morning and afternoon temperatures exceeded 27°C over much of southern and central England. On the afternoon of the 2nd severe thunderstorms broke out in Scotland and Northern Ireland and spread slowly southward during the night persisting over Lancashire, Yorkshire and Lincolnshire for most of the following day; at Litton, West Riding of Yorkshire, .43 in. of rain fell in 10 min around midnight and Manchester Airport had 1.39 in. in 60 min during the morning of the 3rd. In southern England over 1 in. fell at Dorchester, Dorset, in less than 3 hr and Sandown and St. Catherine's Point both had over 3 in. in 24 hr.

On the 5th a depression to the east of Iceland moved southward towards the North Sea, and winds over the British Isles veered to northwest behind a cold front which brought a belt of rain south-eastward across the country. The following day was showery with scattered thunderstorms. The 7th-9th was fine and sunny in most districts as a ridge of high pressure moved slowly eastwards across the country, but rain reached western districts on the 9th with the approach of the cold front of a complex low pressure system to the south-west of Iceland. The 10th was generally dull with occasional rain, which was heavy at times in the south-west, but the frontal rain cleared eastern districts early the following morning giving place to a generally bright but showery day.

During the 12th-16th the country was affected by two vigorous disturbances which had originated as hurricanes on the other side of the Atlantic. In north-west Scotland and Northern Ireland rainfall was heavy almost every day of the period; the 12th was the wettest day in north-west England and Wales, where many places had more than 1 in. of rain, and the 13th in southern England. On the 16th a small but intense depression moved north-east, skirting the west coasts of Ireland and Scotland, and bringing severe gales to these areas; at Ballykelly and Tiree gusts exceeded 90 kt.

A more settled period began on the 17th as a ridge of high pressure developed over England in the rear of the depression. The 18th was generally dry and warm with more than 10 hr of sunshine in many places, but as the ridge moved to southern Norway a weak trough spread north-east over the British Isles giving some occasional slight rain on the 19th and 20th. During most of the next week an anticyclone was centred near the Baltic with a ridge of high pressure over eastern and southern England where weather was generally dry, sunny and rather warm. Depressions from the Atlantic moved north-east near the Denmark Straits but associated fronts gave some occasional rain in the north-west of the British Isles. Early morning fog was prevalent during the period and persisted throughout the day in many areas on the 23rd.

There was a marked change on the 27th with widespread rain as a depression intensified in the South-West Approaches. On the 28th the depression turned north over the Irish Sea to north Scotland accompanied by widespread gales and rain; several places in western

Scotland had more than 1 in. of rain. Further rain in most districts on the last two days of the month was associated with a deep depression moving towards western Ireland.

Pressure and Wind — Mean pressure was below the average everywhere, the deviation at 9 hr ranging from 1.1 mb at Gorleston to 4.7 mb at Tiree. Surface winds were light and variable at first becoming north-westerly on the 5th-7th and predominantly south-westerly on the 8th-16th. They were mainly south-west to south in the north-west, but light and variable in the south-east, on the 17th-26th, becoming generally south-west during the remainder of the month. In Scotland gales were reported on 10 days; the gale of the 16th/17th was widespread and one of the most severe on record. Mean hourly wind speeds of 56 kt and 65 kt were recorded at Rannoch and Tiree respectively with gusts exceeding 90 kt. In England and Wales wind reached gale force on the 1st, 12th-16th, 18th, 21st and 28th-30th (11 days) and gales were widespread on the 15th and 16th.

Temperature — Mean temperature was generally above the 1921-50 average, the excess being 1.4°C in England and Wales, 1.1°C in Scotland and 0.7°C in Northern Ireland. The first two days of the month were unusually warm. Ground frost occurred on 10 nights in England and Wales, being rather widespread during second and last weeks. Extremes included: (England and Wales) 31.6°C at Gatwick on the 2nd, -1.7°C at Alwen on the 25th; (Scotland) 25.6°C at Selkirk on the 1st, -1.1°C at Logie Coldstone on the 29th; (Northern Ireland) 25.0°C at Armagh on the 1st, 2.8°C at Loughgall on the 18th.

Precipitation — The general rainfall expressed as a percentage of the 1916-50 average was 105 in England and Wales, 118 in Scotland and 117 in Northern Ireland. Less than the average was recorded over the greater part of central and northern England except the Lake District, whereas more than 150 per cent of the average occurred in Pembrokeshire, Dorset and eastern Kent.

Thunder was rather frequent during the month occurring on 11 days in Scotland and on the 1st-6th, 10th, 11th, 13th, 14th, 16th, 17th, 19th, 20th, 23rd, 26th-29th (19 days) in England and Wales. Thunderstorms were widespread and accompanied by heavy rain locally on the 2nd and 3rd.

A slight fall of snow was reported from Glenmore on the 26th.

Sunshine — The general sunshine expressed as a percentage of the 1921-60 average was 97 over England and Wales, 98 over Scotland and 103 over Northern Ireland. Sunshine was generally below average in eastern England and mainly above in the north-west; it was 25 per cent above the average at Manchester Airport.

Fog — In Scotland fog was reported at one place or another on 15 days, but hill fog occurred at Lowther Hill on 23 days. In England and Wales early morning fog occurred on 18 days, it was widespread on the 1st and 2nd and around the 23rd when it persisted all day in many areas.

Miscellaneous Phenomena — The aurora was visible in Scotland on 10 nights: it was seen as far south as Bournemouth on the night of September 30th/October 1st.

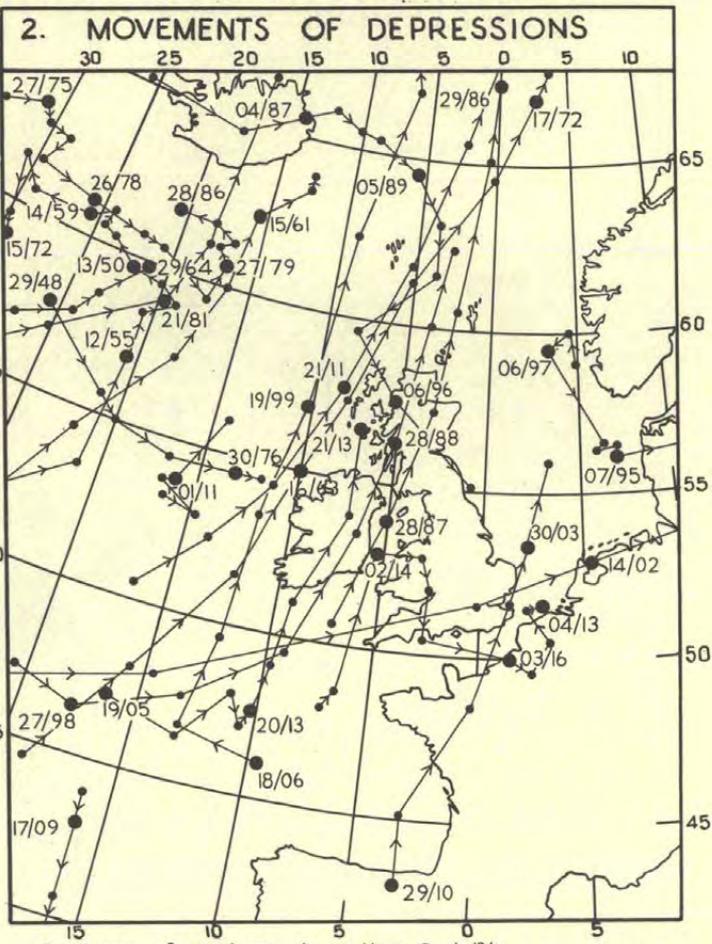
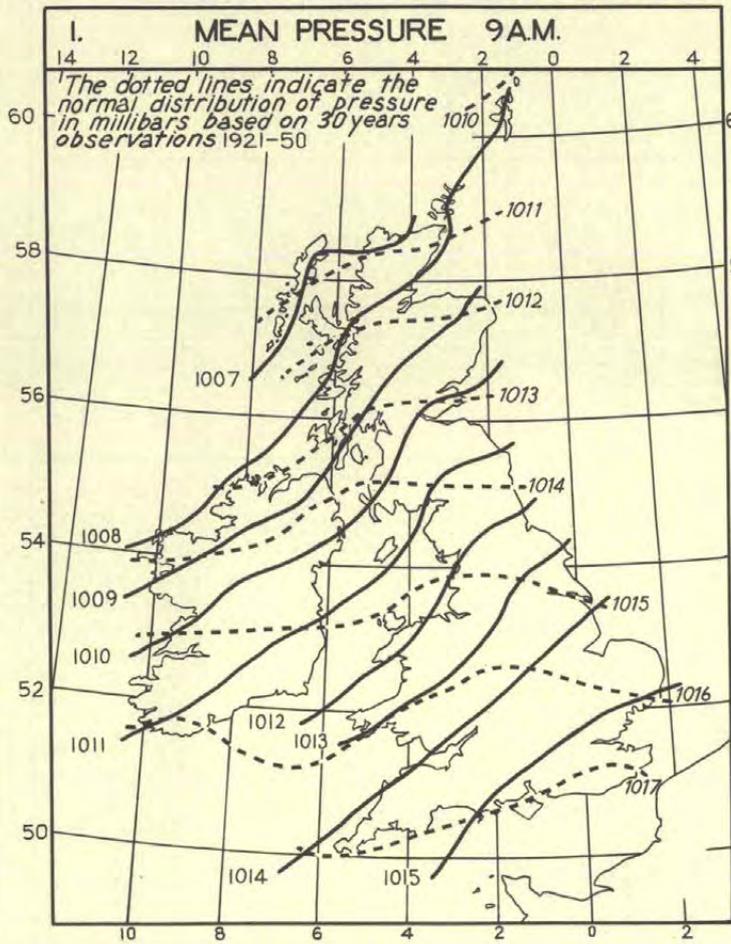
TABLE I—DISTRICT VALUES— SEPTEMBER 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE	
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	
			Max.	Min.	Mean						
0 SCOTLAND, N.	22.8	0.6	+0.8	+0.9	+0.9	—	—	113	0	104	
Eastern											
1 SCOTLAND, E.	25.6	-1.1	+1.2	+1.2	+1.3	—	—	87	+2	97	
2 ENGLAND, N.E.	30.0	0.0	+1.6	+1.3	+1.4	+0.8	-0.1	99	0	100	
3 ENGLAND, E.	28.9	1.1	+1.0	+1.6	+1.3	+0.9	+0.3	124	+2	86	
4 MIDLAND COUNTIES	30.6	0.0	+1.5	+1.3	+1.3	+0.7	+0.4	99	0	103	
5 ENGLAND, S.E.	31.6	1.7	+1.6	+1.9	+1.7	+0.9	+0.5	118	+2	89	
Western											
6 SCOTLAND, W.	24.4	1.2	+1.0	+1.2	+1.1	+0.6	-0.2	136	+5	93	
7 ENGLAND, N.W. (and N. Wales)	30.0	-1.7	+1.7	+1.4	+1.5	+0.5	+0.1	89	0	110	
8 ENGLAND, S.W. (and S. Wales)	31.1	0.6	+1.1	+1.0	+1.0	+1.3	+0.7	99	0	92	
NORTHERN IRELAND	25.0	2.8	+0.8	+0.6	+0.7	-	-	117	+4	103	

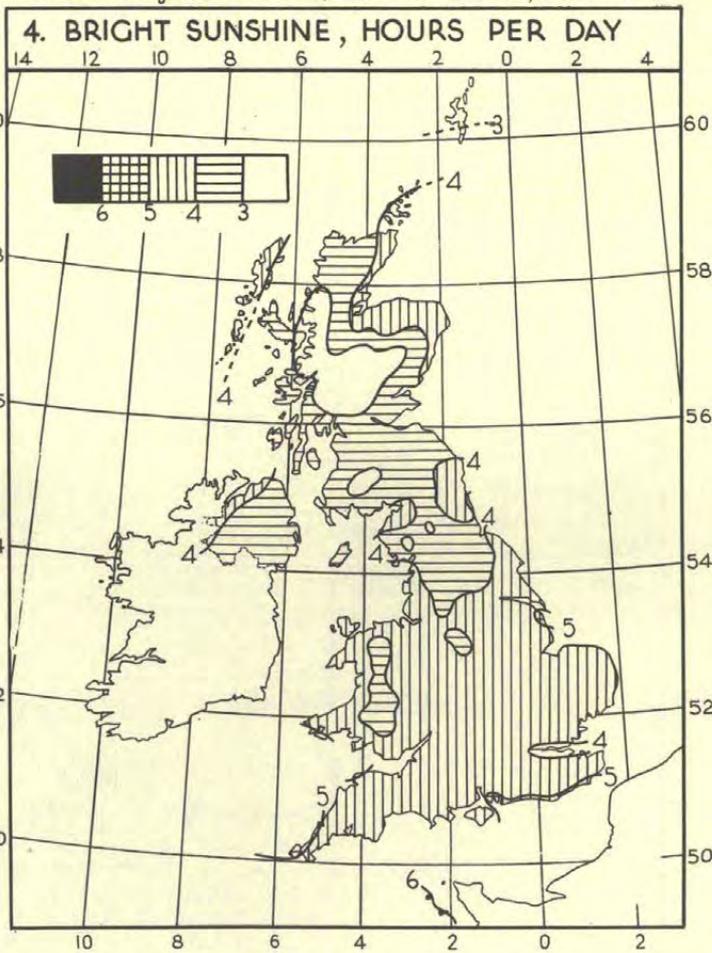
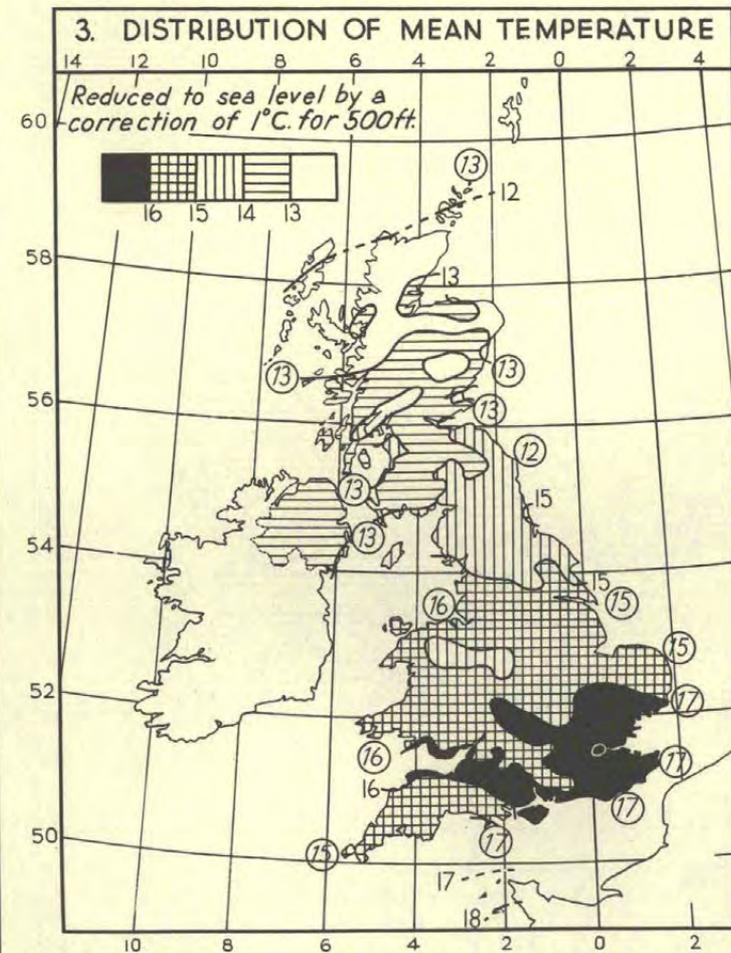
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— SEPTEMBER 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed										Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots		14 to 10 knots		Less than 4 knots		No Record	Mean Hourly Wind Speed	Highest Hourly Wind			Highest Gust	
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.	Speed			Hour ended at	Speed	Day and Time		
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h.m.		
SCOTLAND																				
0 Zetland	Lerwick	310	53	37	16,17	12	11	63	364	243	38	0	13.0	210	53	17	02	77	17	0045
Orkney	Kirkwall (Grimsetter)	135	51	33	16,17	8	6	26	297	300	89	0	10.3	260	44	17	02	69	17	0150
Caitness	Dounreay	110	39	30	†															
	Halkirk (Olgrinbeg)	272	40	40	16,17	8	6	37	203	402	66	4	9.9	220	50	16	24	79	16	2300
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	15-17,22,29	15	21	188	342	98	77	0	16.4	150	55	16	19	75	16	1810
Inverness	Duirinish	125	65	55	15,16	10	9	55	307	262	86	0	11.5	200	54	16	20	86	16	1855
	Benbecula	69	51	35	14-16	13	17	133	428	131	15	0	16.2	150	44	16	16	76	16	1450
1 Moray	Lossiemouth	100	80	66	16,17	8	6	27	161	267	256	1	7.7	200	48	16	22	74	16	2325
Aberdeen	Dyce	225	40	40	16	2	5	21	168	285	244	0	7.4	220	40	16	21	60	16	2015
Angus	Bell Rock Lighthouse	128	131	124	15-17,28	26	17	137	382	142	33	0	16.4	190	48	16	16	70	16	1510
Perth	Rannoch	1006	56	57	*															
Pife	Leuchars	78	40	40	16	8	4	21	173	405	113	0	8.7	200	40	16	19	68	16	1800
Midlothian	Edinburgh	485	39	23	16	5	3	16	198	330	171	0	8.1	150	36	16	15	65	16	1805
6a Argyll	Tiree	89	60	47	12,14-16,29	24	17	183	356	104	53	0	16.6	180	65	16	17	90	16	1645
Bute	Millport	50	34	34	16	7	6	51	297	206	147	12	11.1	210	40	16	19	63	16	1750
Renfrew	Paisley	188	81	31	-	0	1	8	75	365	272	0	5.7	170	33	16	15	62	16	1615
	Renfrew	71	41	39	16	7	3	12	184	372	145	0	7.8	200	42	16	17	67	16	1630
Ayr	Prestwick Airport	35	33	33	16	5	1	8	227	388	92	0	9.1	180	36	16	12	61	16	1530
Dumfries	Eskdalemuir	825	50	35	16	4	4	23	180	302	207	0	8.0	200	43	16	15	69	16	1350
ENGLAND and WALES																				
6b Isle of Man	Point of Ayre	70	40	35	16	4	8	38	337	314	27	0	12.1	190	37	16	15	62	16	1255
2 Durham	Durham	389	53	33	-	0	3	17	118	250	335	0	5.9	210	27	16	13	55	16	1240
	South Shields	73	57	44	-	0	2	3	126	443	148	0	7.1	190	24	16	13	45	16	1225
Lincoln	Cranwell	288	47	47	-	0	2	17	168	472	10	53	9.2	200	27	16	13	40	28	1310
3 Norfolk	Gorleston	45	33	33	*															
Suffolk	Mildenhall	98	83	60	-	0	0	0	108	385	227	0	6.0	220	21	16	14	40	28	1425
	Felixstowe	85	75	65	-	0	1	1	215	304	200	0	7.8	220	22	16	15	36	28	1530
Bedford	Cardington	226	133	133	-	0	5	38	265	323	94	0	10.1	210	33	16	15	53	28	1250
Hertford	Rothamsted	461	41	33	-	0	0	0	24	381	315	0	4.3	230	15	16	17	36	16	1615
	Stanstead Abbots	138	41	40	-	0	0	0	97	357	266	0	5.0	210	20	16	13	35	16	1210
Essex	Coryton	66	57	48	-	0	0	0	79	407	203	31	5.7	250	17	15	14	38	15	1040
	Shoeburyness	118	106	91	-	0	7	54	275	333	58	0	10.8	180	30	16	10	42	15	1505
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	65	288	367	0	4.5	180	19	28	14	47	15	0910
Warwick	Birmingham	643	118	73	-	0	1	1	139	497	83	0	7.4	180	22	16	10	45	16	0915
Stafford	Keele	706	50	40	-	0	2	6	112	414	188	0	6.7	190	29	16	10	54	16	0925
Gloucester	Avonmouth	92	61	33	-	0	8	35	189	184	269	43	8.0	190	28	15	01	(42)	12	2350
5 London	Kingsway	208	143	41	-	0	0	0	88	446	186	0	6.1	200	17	28	13	36	28	1255
Middlesex	London Airport	115	33	33	-	0	1	1	142	308	264	5	6.1	220	24	16	12	39	16	1145
	Hampton	139	101	100	-	0	2	2	126	387	205	0	6.1	240	23	16	12	38	16	1110
Surrey	Kew Observatory	92	75	50	-	0	1	1	103	358	258	0	5.8	220	22	16	12	42	16	1210
	Watlington	232	38	33	-	0	3	8	130	231	351	0	5.3	230	26	16	12	41	16	1150
Kent	Isle of Grain	48	40	33	-	0	0	0	74	180	466	0	3.5	210	21	15	11	35	15	1100
	Dungeness	70	50	33	-	0	6	27	199	275	219	0	7.9	230	29	14	08	42	14	0705
	Dover	68	38	62	-	0	3	15	212	296	197	0	7.9	180	27	14	07	44	14	0625
Sussex	Thorney Island	75	65	42	-	0	0	0	102	229	389	0	4.9	190	20	14	05	40	14	0435
Hampshire	Southampton (Eastleigh)	95	60	41	†															
	Calshot	50	41	33	-	0	2	2	252	422	44	0	9.9	210	23	14	05	32	14	0435
	S. Farnborough	318	69	35	-	0	0	0	39	327	354	0	4.5	230	16	16	13	37	28	1140
Berkshire	Abingdon	295	40	40	-	0	3	11	133	201	375	0	5.3	200	25	28	12	47	28	1120
Wiltshire	Larkhill	491	51	36	-	0	0	0	108	375	237	0	6.0	210	20	16	11	43	16	1030
	Porton	406	44	44	-	0	3	7	137	276	300	0	6.1	220	26	16	12	40	16	0915
7a Cumberland	Sellafield	83	39	35	16	4	9	53	355	280	24	4	12.9	200	36	16	16	53	16	1420
	Spadeadam	959	51	40	16	4	3	21	221	316	158	0	8.9	210	43	16	16	62	16	1505
Westmorland	Moor House	1960	50	45	16	3	9	61	251	206	199	0	10.1	220	37	16	14	62	16	1405
Lancashire	Southport	59	41	33	-	0	5	19	170	403	128	0	8.7	240	30	16	17	54	28	1455
	Speke	180	100	65	16,28	8	7	44	316	312	40	0	11.5	210	42	16	12	60	16	1105
Cheshire	Bidston Observatory	262	64	39	-	0	1	7	170	418	98	27	-	210	24	16	12	53	16	1135
	Manchester Airport	318	70	30	-	0	4	21	168	419	112	0	8.1	220	30	16	13	50	28	1215
7b Anglesey	Holyhead (Valley)	76	50	40	15,16,29	15	11	119	266											

MONTHLY WEATHER CHARTS SEPTEMBER 1961



Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)



Sea temperatures are shown by figures in circles, thus: ⑩

RAINFALL SEPTEMBER 1961

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

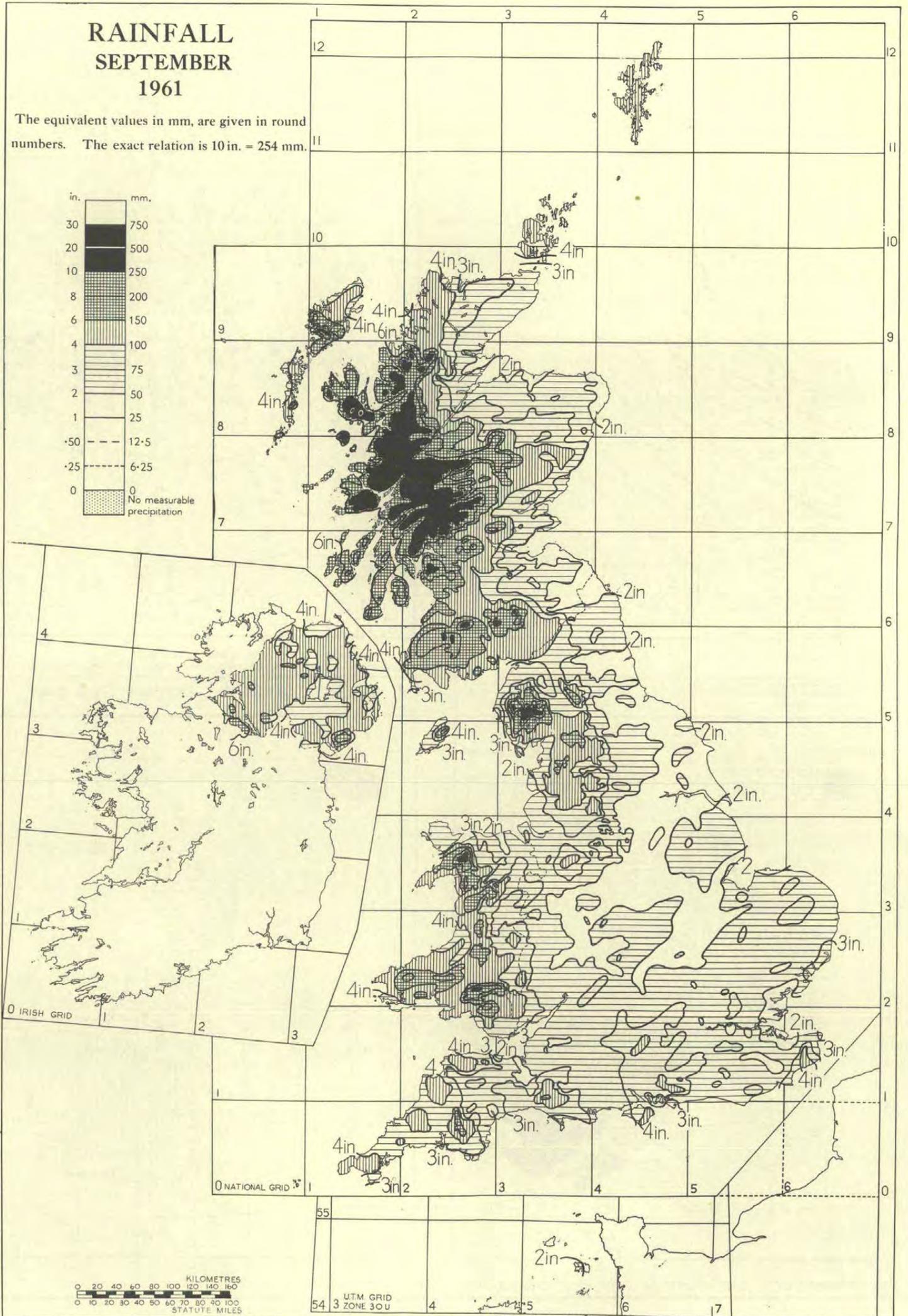
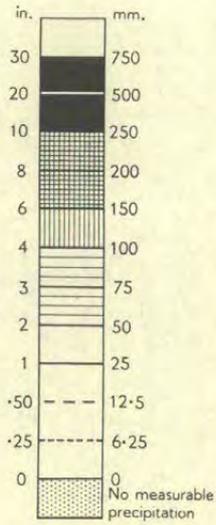


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER september 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days											BRIGHT SUNSHINE									
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sheet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average							
			A Max.	B Min.			Maximum	Date	Minimum	Date					Amount	Date																			
			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.		0 in. (0.2mm.) or more	0 in. (1.6mm.) or more										hr	%					
0 SCOTLAND, N.																																			
Zetland	Lerwick Obs'y. ¶§	21-9	269	13.3	9.4	11.3	+1.0	14.9	22	5.0	3	-	-	4.69	125	.62	28	22	17	0	0	0	0	0	0	0	0	0	0	3	2.93	84			
	Baltsound ...	9 9	78	13.4	8.7	11.1	-	16.1	22	4.4	21	10.8	-	5.04	124	.73	28	19	17	0	0	0	0	0	0	0	0	0	0	3	2.35	-			
Orkney	Sule Skerry ...	9 9	43	13.7	10.7	12.2	-	16.0	16	8.0	6	-	-	3.48	-	.64	14	23	17	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
	Kirkwall (Grimsetter) ...	21-9	84	14.7	9.0	11.9	-	19.9	1	6.8	4	-	-	2.84	121	.81	28	21	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Caithness	Dounreay ...	9 9	70	15.6	8.3	11.9	-	20.6	1	5.0	29	-	-	2.84	-	.51	28	19	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Halkirk (Olgrinbeg) ...	9 9	232	-	-	-	-	-	-	-	-	-	-	2.81	-	.71	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Wick ... ¶§	21-9	119	15.0	9.2	12.1	+0.9	18.8	1	5.4	7	-	-	2.56	88	.95	28	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sutherland	Cape Wrath ...	21-9	367	13.9	10.0	11.9	-	21.0	16	7.0	27	-	-	4.63	101	.62	14	23	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Lairg (Achany) ...	9 9	240	16.7	7.7	12.2	-	21.7	1,164	2.2	25	12.9	12.1	3.04	-	.51	11	19	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Strathly ...	9 9	120	15.8	8.2	12.0	-	21.1	1	5.6	25,27	-	-	3.33	91	.83	28	19	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ross & Cromarty	Stornoway ¶§	21-9	11	14.7	9.0	11.9	+0.5	17.8	16	3.1	24	-	-	3.86	103	.72	16	22	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Balmacara ...	9 9	2	16.1	10.2	13.1	-	(21.1)	16	6.7	6,21,24	-	-	9.14	-	1.50	26	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Achnashellach ...	9 9	220	16.2	8.7	12.5	+1.2	22.2	16	5.0	24	-	-	8.05	113	1.50	26	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Kinlochewe ...	9 9	76	16.6	9.3	12.9	-	22.8	16	5.6	21	12.9	-	9.49	-	1.75	16	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Garve (Blackbridge) ...	9 9	690	16.2	-	-	-	(21.7)	16	-	-	-	-	3.49	-	.56	26	18	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Fortrose ... ¶§	9 9	15	-	-	-	-	-	-	-	-	-	-	2.14	97	.85	28	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Tarbatness ...	21-9	60	15.2	10.9	13.1	-	21.0	16	7.5	25	-	-	1.89	-	.96	28	18	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inverness	Benbecula ...	21-9	19	15.0	10.1	12.5	-	19.0	1	6.3	21	-	-	3.98	94	.69	16	24	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Isle of Rhum ...	9 9	15	15.6	10.2	12.9	-	20.0	1	4.4	21	13.6	13.2	14.72	-	2.48	26	25	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Prabost ...	9 9	220	15.2	9.0	12.1	-	18.9	2	5.6	21	-	-	7.99	-	1.39	25	25	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Duntulm ...	9 9	294	14.6	9.3	11.9	-	18.9	16,19	6.7	28,29	-	-	6.12	121	.71	26	22	17	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
	Onich ... ¶§	9 9	48	16.1	9.8	12.9	+1.0	20.0	1,16,19	6.1	7	-	-	11.16	154	.98	16	24	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fort William (Camaghael) ...	9 9	27	16.1	9.6	12.9	-	21.7	16	5.0	23	13.1	13.4	9.68	-	1.16	26	23	22	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	
	Fort Augustus ...	9 9	70	16.3	9.4	12.9	+1.3	22.2	1	5.6	24	-	-	5.12	-	.65	28	21	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cannich ...	9 9	350	15.9	6.8	11.3	-	21.7	1	1.7	23	-	-	4.93	127	.78	16	23	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Dalwhinnie ...	18-9	1176	14.0	7.7	10.9	-	19.7	1	1.0	24	-	-	6.08	149	1.22	28	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Inverness ...	9 9	13	16.7	9.6	13.1	-	22.8	1	5.0	29	-	-	2.17	-	.84	28	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Achnagoichan ...	9 9	1000	15.6	7.7	11.7	-	21.7	1	0.6	2	11.4	-	3.99	-	1.19	28	18	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Glenmore Lodge ...	9 9	1120	15.6	7.7	11.7	-	21.8	1	1.9	25	-	-	3.37	-	1.03	28	20	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 SCOTLAND, E.																																			
Nairn	Nairn ... ¶§	9 9	20	17.2	8.8	13.0	+1.0	23.3	16	5.0	27	-	-	2.05	88	.94	28	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Grantown-on-Spey ...	9 9	720	16.4	5.8	11.1	-	24.4	1	1.1	14,15,25	-	-	3.09	-	.83	28	22	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Forres ...	9 9	155	16.9	8.7	12.8	-	22.8	1	5.0	24	13.2	12.7	1.98	83	.85	28	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Kinloss ...	21-9	15	16.9	9.3	13.1	-	22.4	16	5.5	28	-	-	1.83	-	.81	28	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Elgin ...	9 9	92	17.1	9.7	13.4	-	23.3	16	6.7	27,29	-	-	1.84	-	.51	28	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lossiemouth ...	9 9	21	16.6	8.6	12.6	-	21.7	16	3.9	29	-	-	2.11	-	.61	28	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gordon Castle ...	9 9	104	17.8	7.8	12.8	+0.7	23.3	16	3.9	22	-	-	1.71	56	.35	23	16	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Banff	Glenlivet ...	9 9	1085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Aberdeen	Braemar ...	9 9	1113	15.1	7.2	11.1	+1.2	22.2	1	2.2	9,14	-	-	3.84	129	.75	28	16	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Balmoral ...	9 9	927	15.7	6.9	11.3	+1.1	23.9	1	0.6	14	-	-	3.27	116	.70	28	19	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Logie Coldstone ...	9 9	608	16.4	7.4	11.9	+1.0	22.2	1	-1.1	29	-	-	2.68	-	.52	2	18	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Huntly ...	9 9	405	16.9	8.8	12.9	-	(22.0)	2	4.7	25	-	-	1.89	-	.32	23	17	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fyvie Castle ...	9 9	218	16.9	7.7	12.3	-	22.2	2	2.2	25	-	-	2.44	-	.40	1	17	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Craigstone ¶§	9 9	300	16.1	9.1	12.6	+1.2	20.6																											

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1961

DISTRICT, COUNTY AND PLACE	Max. Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER (Number of days)										BRIGHT SUNSHINE															
			Means of		Mean Temperature of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average											
			A	B			Maximum	Date	Minimum	Date					Amount	Date	0.1in. (0.2mm.) or more	0.4in. (1.0mm.) or more																						
			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr	%											
5 ENGLAND, S.E.—cont.																																								
Surrey	Wisley ...	9 9	150	20.8	11.1	15.9	+1.5	28.9	2	4.4	26	16.6	15.8	2.52	130	.46	13	18	13	0	0	0	0	0	0	0	0	0	0	0	1	4.63	101							
	Mickleham ...	9 9	179	20.6	10.6	15.6	-	29.4	2	4.4	8	-	-	2.74	122	.76	13	18	13	0	0	0	0	0	0	0	0	0	0	1	4.34	93								
	Kew Observatory †	21-9	18	19.7	12.9	16.3	+1.4	26.9	2	8.1	10	16.5	15.8	2.31	117	.55	13	16	12	0	0	0	0	0	0	0	0	0	0	1	4.59	-								
	Gatwick ...	21-9	192	20.9	10.5	15.7	-	31.6	2	3.4	10	-	-	2.58	-	.64	13	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-							
	Croydon (Waddon) ...	9 9	220	20.5	12.1	16.3	+1.5	28.3	2	7.2	8,9	-	-	2.44	115	.67	13	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-							
	Addington ...	9 9	474	19.7	11.9	15.8	+1.6	27.2	2	6.7	7	-	-	2.88	129	.89	13	19	14	-	-	-	-	-	-	-	-	-	-	-	-	-								
Kent	Bromley ...	9 9	213	20.4	12.2	16.3	+1.5	26.7	2	7.2	8	-	-	2.28	118	.44	13	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-							
	Swanley ...	9 9	177	20.5	10.8	15.7	-	26.7	19	3.9	10	16.1	-	2.55	-	.78	13	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.14	-						
	Dartford ...	9 9	17	20.6	11.7	16.1	-	27.2	19	5.6	10	-	-	2.19	122	.47	13	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-						
	Tunbridge Wells ...	9 9	351	20.2	11.0	15.6	+1.4	28.9	2	4.4	8	16.4	16.4	2.30	105	.53	13	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.66	92					
	Goudhurst ...	9 9	280	20.3	10.8	15.5	-	27.2	2	4.4	10	-	-	2.34	96	.49	13	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-					
	East Malling †	9 9	122	20.9	10.9	15.9	+2.1	28.3	2	3.9	10	-	15.9	2.06	99	.49	13	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.36	88				
	Benenden ...	9 9	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Gillingham ...	9 9	10	20.8	12.1	16.4	-	27.8	19	6.1	10	-	-	1.79	-	.30	13	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.59	-				
	Sittingbourne ...	9 9	224	20.4	11.5	15.9	-	27.2	19	6.7	9,10	16.2	15.5	2.24	-	.58	16	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.55	-			
	Isle of Grain ...	9 9	9	20.4	13.1	16.7	-	27.2	19	9.4	7,8,9	-	-	1.34	-	.24	3	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.87	-			
	Throley ...	9 9	493	20.4	11.2	15.8	-	27.2	2	6.7	10	16.3	15.2	2.07	-	.57	13	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.35	-		
	Faversham ...	9 9	157	20.1	11.7	15.9	-	27.2	19	5.6	10	16.6	16.1	1.85	-	.35	13	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.42	-		
	Dungeness ...	21-9	10	19.5	13.7	16.6	-	22.7	3	6.7	8	-	-	3.19	158	.64	13	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-		
	Wye ...	9 9	185	20.9	11.8	16.3	+2.0	28.9	2	4.4	10	-	-	2.14	94	.39	29	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.81	91		
	Whitstable ...	9 9	9	20.3	12.4	16.3	-	28.3	19	6.1	26	-	-	1.97	114	.42	19	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.47	-	
	Folkestone ...	9 9	128	20.3	14.1	17.2	-	23.3	3,16,18	8,9	7	-	16.3	4.84	226	1.39	19	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.02	-	
	Wingham (Elmstone) ...	9 9	28	20.6	11.4	16.0	-	28.9	19	3.9	10	-	-	3.11	-	1.34	19	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-			
	Herne Bay ...	9 9	21	20.6	13.8	17.2	-	27.8	19	8.9	10	-	-	2.30	128	.77	19	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.19	-	
	Dover ...	9 9	19	19.8	13.9	16.9	+1.7	23.3	16	8.3	10,26	17.7	17.5	4.06	179	1.05	3	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.42	-8		
	Dover R.M.S. ...	9 9	402	19.5	14.3	16.9	-	25.6	19	9.4	7	-	-	2.75	128	.73	3	13	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.47	81	
	Deal ...	21-9	18	19.7	14.0	16.9	-	26.0	19	7.7	10	-	-	2.69	-	.80	3	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
	Ramsgate ...	9 9	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Manston ...	21-9	145	20.0	12.8	16.4	-	28.3	19	8.2	21	-	-	2.88	-	.78	19	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		
	Margate ...	9 9	51	19.3	14.4	16.8	+1.2	27.2	19	11.1	7	16.7	16.3	3.01	154	1.01	3	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.57	80	
Sussex	Thorney Island ...	21-9	10	20.1	12.4	16.3	-	26.1	2	6.3	26	-	-	2.58	123	.84	3	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92	-
	Bognor Regis ...	9 9	24	19.1	13.4	16.3	+1.4	25.0	18	7.8	8,26	-	16.7	2.72	123	.68	30	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.05	92
	Littlehampton ...	9 9	15	20.1	12.7	16.4	+1.6	25.6	18	7.2	8,26	-	16.8	2.45	113	.50	12	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.26	96
	Rustington ...	9 9	10	19.8	11.7	15.7	-	25.6	3	5.0	9,26	-	-	2.19	-	.48	13	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.81	-
	Worthing ...	9 9	25	20.0	13.6	16.8	+1.6	25.6	18	7.8	7	16.8	16.2	2.20	102	.48	12	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.48	97
	Brighton ...	9 9	32	19.9	13.9	16.9	-	26.1	2,18	8.3	26	-	16.8	2.49	115	.46	6	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.29	-
	East Grinstead ...	9 9	440	21.0	9.9	15.5	-	29.4	2	4.4	10,11	-	-	2.73	-	.70	13	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-
	Seaford ...	9 9	45	20.1	12.8	16.5	-	27.2	2	7.2	8,26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.21	96			
	Eastbourne ...	9 9	35	19.4	13.4	16.4	+1.2	23.9	18	8.9	7,10,26	17.6	16.9	2.54	101	.49	13	15	11	0	0	0	0																	

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS							EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE							
			Means of		Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n			Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average							
			A	B		Maximum	Date	Minimum					Date	Amount	Date	-0.1in. (0.2mm.) or more	-0.04in. (1.0mm.) or more								Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.			
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	in.	in.	in.	in.	in.	in.	in.	in.	hr	%				
7a ENGLAND, N.W.																															
Cumberland	Sellafield ...	99	43	18.1	11.2	14.6	-	25.6	2	5.0	9	-	-	3.97	93	1.19	12	22	16	-	0	0	0	0	0	0	0	3.66	-		
	Carlisle ...	21-9	86	17.9	10.7	14.3	-	25.6	1	6.8	9	-	-	3.75	-	.90	2	19	16	0	0	1	0	0	0	0	0	4.22	-		
	Newton Rigg †§	99	560	17.6	9.9	13.7	+1.8	26.7	1,2	3.3	9	13.6	-	2.41	77	.47	13	15	13	-	0	0	0	0	0	0	0	4.03	107		
Westmorland	Spadeadam ...	99	900	16.4	9.2	12.8	-	25.0	1	5.6	25	12.5	12.2	3.63	-	.63	15	19	16	0	0	1	0	0	0	0	0	3.47	-		
	Ambleside ...	99	151	18.1	9.9	14.0	-	27.8	1	4.4	25	-	-	7.29	107	2.01	12	22	17	0	0	0	0	0	0	0	0	2.53	-		
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.93	-			
Lancashire	Moor House ...	99	1840	14.5	7.3	10.9	-	23.9	1	1.1	9	11.2	-	5.12	-	.87	13	21	14	0	0	0	0	2	3	0	3	3.34	-		
	Barrow-in-Furness	99	55	18.3	12.1	15.2	-	26.7	2	7.2	25	14.8	-	2.76	-	.71	12	17	14	0	0	0	0	2	0	0	0	-	-		
	Squires Gate ...	21-9	33	18.7	11.4	15.1	-	26.8	2	4.1	18	-	-	4.62	140	.52	12	14	12	0	0	0	0	0	0	0	2	4.62	-		
	Urswick ...	99	130	18.6	10.8	14.7	-	27.2	1,2	4.4	25	-	-	3.24	-	.76	12	17	13	0	0	0	0	5	3	0	0	-	-		
	Poulton-le-Fylde	99	38	-	10.6	-	-	-	-	5.6	18	-	-	2.28	-	.55	12	14	10	0	0	0	0	1	0	0	0	-	-		
	Grizedale ...	99	300	17.8	8.9	13.3	-	26.7	1,2	3.3	25	-	-	6.78	-	1.59	12	21	18	0	0	0	0	0	0	0	0	-	-		
	Speke ...	21-9	80	18.9	11.6	15.3	-	26.9	2	4.8	18	-	-	3.27	116	.62	4	17	13	0	0	0	0	0	0	3	1	0	0	4.36	-
	Kirkham ...	99	77	18.9	11.2	15.1	-	27.2	2	5.6	7,18,25	-	-	4.13	112	.65	2	15	13	0	0	0	0	1	0	0	0	0	4.54	-	
	Garstang ...	99	68	18.6	11.1	14.9	-	27.2	1,2	5.0	7	-	-	3.84	-	.53	12	17	13	0	0	0	0	0	0	0	0	0	4.33	-	
	Morecambe ...	99	24	18.7	11.3	15.0	+1.3	28.3	1	5.6	25	-	-	3.71	96	.90	2	18	13	0	0	0	0	0	0	0	0	0	4.14	95	
	Preston (Moor Pk.)	99	108	18.9	11.4	15.1	-	27.2	1,2	3.9	25	-	-	4.73	123	1.28	2	17	11	0	0	1	0	0	2	2	0	0	1	-	
	Bolton ...	99	352	18.5	9.8	14.1	+0.9	27.8	2	2.8	25	13.8	13.0	4.18	-	.94	29	19	14	0	0	0	0	0	0	0	5	0	0	4.34	-
	Darwen ...	99	724	17.7	10.2	13.9	+1.4	26.7	2	5.6	7,25,29	14.3	13.7	4.93	101	.99	29	21	15	0	0	0	0	0	0	0	0	0	0	4.53	-
	Stonyhurst †§	99	377	18.3	10.5	14.4	+1.6	27.2	1,2	4.4	25	-	-	3.89	85	.69	29	17	13	-	0	0	0	0	0	0	0	0	0	3.86	99
	Manchester	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Helmshore ...	99	854	17.3	10.3	13.8	-	26.1	2	4.4	25	13.4	-	5.03	-	1.00	29	20	14	-	0	0	0	0	2	0	0	0	4.17	-		
Manchester	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burnley ...	99	655	17.7	10.2	13.9	-	27.2	2	3.3	25	13.9	12.8	4.13	-	1.13	2	16	13	0	0	1	0	0	3	1	0	0	0	3.79	-	
Nelson ...	99	540	17.9	10.4	14.1	-	27.8	2	3.3	25	14.3	13.4	4.33	108	1.63	2	20	13	-	0	0	0	0	0	0	0	0	1	3.86	-	
Rochdale ...	99	362	18.8	10.0	14.4	-	28.3	2	2.2	25	-	-	3.85	-	1.13	2	17	15	0	0	0	0	2	0	0	0	0	3.87	-		
Cheshire	West Kirby Park	99	17	19.3	11.4	15.3	-	27.8	1,2	4.4	18,25	-	-	2.99	-	.68	4	17	14	-	0	0	0	0	0	0	0	0	4.43	-	
	Bidston Obs'y. †§	99	198	18.2	11.7	14.9	+1.3	26.7	1	7.2	25	-	-	2.62	100	.71	4	19	12	-	0	0	0	0	0	0	0	0	4.81	109	
	Northwich (Winnington)	99	65	19.2	11.3	15.3	-	27.8	2	3.9	25	-	-	2.58	95	.42	29	17	11	0	0	0	0	2	0	0	0	1	-		
	Manchester Airport †§	21-9	248	18.9	11.3	15.1	+1.7	28.4	2	4.5	25	-	-	3.42	128	1.48	2	14	12	0	0	0	0	0	3	1	0	0	0	4.53	125
	Macclesfield ...	99	500	18.7	10.9	14.8	+1.8	28.3	1,2	4.4	25	-	-	2.66	86	.65	6	14	11	0	0	0	0	0	0	0	0	0	0	-	-
7b NORTH WALES																															
Flint	Rhyl ...	99	31	19.2	11.3	15.3	+1.4	30.0	1	4.4	25	-	-	1.63	62	.31	4	15	12	0	0	0	0	0	0	0	0	0	3	4.81	109
	Prestatyn ...	99	12	19.3	11.9	15.6	-	29.4	1	5.0	18	-	-	2.12	78	.37	4	15	14	0	0	0	0	0	0	0	0	0	-	-	
Anglesey	Hawarden Bridge	99	17	19.6	10.8	15.2	+1.4	27.8	1,2	2.8	18,25	-	-	2.67	114	.79	4	16	12	0	0	0	0	1	0	0	0	0	-	-	
	Holyhead (Valley)	21-9	26	17.6	12.5	15.1	+1.1	25.9	1	6.9	25	-	-	3.41	108	.84	30	19	13	0	0	1	0	0	0	0	0	3	4.62	100	
Denbigh	Colwyn Bay ...	99	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Alwen ...	99	1100	16.9	7.7	12.3	-	27.8	2	-1.7	25	-	-	2.68	-	.37	12	21	15	-	0	0	0	0	0	0	0	0	0	-	-
	Ruthin ...	99	248	19.2	9.7	14.5	-	28.9	2	3.3	25	-	-	2.53	-	.56	6	16	13	-	0	0	0	0	0	0	0	0	0	-	-
	Bwlchgwyn ...	99	1267	15.3	8.3	11.8	-	27.2	2	-0.5	25	12.5	-	3.28	-	.51	6	19	16	-	0	0	0	0	0	0	0	0	0	-	-
	Ruabon ...	99	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caernarvon	Wrexham ...	99	275	19.1	10.0	14.5	-	27.8	1,2	2.2	27	14.9	14.7	2.38	-	.38	27	18	14	0	0	0	0	2	1	0	3	0	-	-	
	Bardsey Island ...	21-9	60	17.1	12.5	14.8	-	24.0	1	10.0	24,25	-	-	4.10	-	1.20	12	19	18	-	0	0	0	0	0	0	0	0	0	-	-
	Botwnnog ...	99	112	18.2	11.7	14.9	-	27.8	1	5.0	25	15.8	15.1	4.29	-	1.20	12	21	17	0	0	0	0	2	0	0	0	2	4.71	-	
	Bryn Adda ...	99	275	18.7	11.7	15.2	-	27.2	1	6.7	25	-	-	4.06	-	.81	12	19	16	0	0	0	0	1	1	0	0	5	4.51	-	
	Cwm Ydda ...	99	324	18.4	11.0	14.7	-	30.0	1	2.8	25	14.6	-	13.10	-	2.72	12	22	20	-	0	0	0	0	0	0	0	2	-	-	
Merioneth	Aber ...	99	60	19.4	11.9	15.7	+1.7	24.4	1	6.1	18	-	-	3.61	92	.58	12	18	16	0	0	0	0	1</							

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-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	411	14	50	16	195.6	30	195	3	50	16	118.9	30	412	14	54	16	199.7
Eskdalemuir	406	18	40	3	216.4	30	234	2	40	3	147.6	27	404	18	49	3	225.5	23
Cambridge	419	16	80	17	254.4	30	202	1,8	76	17	143.9	30	-	-	-	-	-	-
Kingsway	443	16	46	17	247.7	30	246	10	44	17	159.1	28	478	16	61	17	277.0	30
Kew	419	8	45	17	261	30	245	10	44	17	152	30	455	18	49	17	287	30
Aberporth	537	9	48	3	290.7	30	234	16	48	3	161.7	30	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN SEPTEMBER 1961 WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS.

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°	Above 15.0°													
	Lerwick	0	0	0	30	0	0	0	0	0	0	0	1	17	12	0	Birmingham	0	0	0	2	19	7	2	0	0	0	0	0	0	0	0	7	19
Stornoway	0	0	0	16	14	0	0	0	0	0	0	3	14	13	0	Kew Observatory	0	0	0	0	19	9	2	0	0	0	0	0	0	0	0	6	15	9
Craibstone	0	0	0	14	15	1	0	0	0	0	0	1	18	11	0	Hastings	0	0	0	0	16	14	0	0	0	0	0	0	0	0	3	17	10	
Rothsay	0	0	0	13	16	1	0	0	0	0	0	0	16	14	0	Southampton	0	0	0	0	12	18	0	0	0	0	0	0	0	0	9	17	4	
Renfrew	0	0	0	5	22	3	0	0	0	0	0	1	15	14	0	Stonyhurst	0	0	0	4	19	5	2	0	0	0	0	0	2	10	18	0		
Eskdalemuir	0	0	0	8	19	3	0	0	0	0	0	1	19	10	0	Bidston Observatory	0	0	0	4	21	3	2	0	0	0	0	0	0	9	18	3		
Douglas	0	0	0	8	20	2	0	0	0	0	0	0	10	19	1	Holyhead (Valley)	0	0	0	2	26	1	1	0	0	0	0	0	0	3	25	2		
Cockle Park	0	0	0	6	21	3	0	0	0	0	0	0	19	11	0	Falmouth	0	0	0	1	29	0	0	0	0	0	0	0	0	8	21	1		
Gorleston	0	0	0	1	24	5	0	0	0	0	0	0	5	19	6	Aldergrove	0	0	0	7	21	2	0	0	0	0	0	0	3	14	13	0		
Cambridge	0	0	0	1	16	10	3	0	0	0	0	0	10	19	1	Armagh	0	0	0	7	21	2	0	0	0	0	0	0	0	16	14	0		

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE	
				Means of		Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Gale	Daily Mean	Percentage of Average		
				A Max.	B Min.		Maximum	Date	Minimum																	Date	Amount
				Max.	Min.	Mean of A and B	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.									hr	%	
1960																											
December	Stone	9	9	350																							
"	Filton	21	9	192																							
1961																											
January	Aberystwyth	9	9	12																							
"	Nottingham	9	9	192																							
"	Fyvie Castle	9	9	218																		1.55	-				
"	Haydon Bridge	9	9	270																		1.43	-S				
"	Houghall	9	9	123																		1.50	109				
"	Luton	9	9	379																		1.47	96				
"	Trawscoed	9	9	200																		1.39	-S				
"	Usk	9	9	70																		0.74	-				
"	Scilly (St.Mary's)	21	9	158																		1.92	100				
"	York	9	9	57																		1.43	130				
"	Wallingford	9	9	150																		1.34	-S				
"	Wisley	9	9	150																		1.32	89				
February	Hampstead	9	9	450																							
"	Mickleham	9	9	179																							
"	Turnberry	9	9	25																							
"	Haydon Bridge	9	9	270																		2.10	S				
"	Houghall	9	9	123																		2.56	-S				
"	Trawscoed	9	9	200																		2.76	125				
"	Finchampstead	9	9	212																		2.37	S				
"	York	9	9	57																		2.04	S				
"	Camborne	9	9	250																		1.67	84				
"	Alderney	9	9	288																							
March	Fyvie Castle	9	9	218																							
"	Houghall	9	9	123																							
"	Manchester Weather Centre	-	-	-																							
"	Garve	9	9	690	10.3	-	-	-	16.1	9	-	-	-	-	5.14	-	.95	25	23	18	-	-	-	-			
April	Fyvie Castle	9	9	218																							
"	Haydon Bridge	9	9	270																							
"	Houghall	9	9	123																							
"	Kirkham	9	9	77																							
"	Hull	9	9	8																							
"	Winchester	9	9	124																							
"	Garve	9	9	690	11.4	-	-	-	16.7	12,21	-	-	-	-	1.88	-	.41	12	18	11	-	-	-	-			
"	Coalburn	9	9	707																							
"	Penzance	9	9	62																							
May	Garve	9	9	690	13.9	-	-	-	(19.4)	15	-	-	-	-	2.35	-	.59	8	11	9	-	-	-	-			

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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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October 1961 — *Rather wet, stormy during second half of the month*

During the first week a blocking anticyclone persisted over European Russia and frontal systems approaching from the Atlantic became slow moving over the British Isles. From 12th-16th a ridge of high pressure extended from Britain to central Europe, but for most of the second half of the month the weather over the country was cyclonic and stormy.

The first two days of October broke, temporarily, the wet spell at the end of September. Apart from some thundery showers, weather was generally mild and dry with 7-8 hours sunshine on both days. Overnight fog in central and eastern England was thick in many places around dawn on the 2nd, but cleared around mid-day. Late that evening another wet spell began, as rain, associated with a complex frontal system over Ireland, spread into western districts. Rain was widespread and often heavy during the next three days, the frontal system remaining almost stationary over the British Isles. With a deepening depression approaching south-west Ireland, the 6th was a day of unusually heavy rain with floods in many parts of southern England. At Princetown 2in. fell in 12 hours while minor tornadoes at Marazion, Cornwall, and Bournemouth caused considerable structural damage. The depression moved east-north-eastwards and slowly filled over southern England on the 7th; rain was again widespread but not so heavy as the previous day.

On the 8th the blocking anticyclone over Russia moved further eastwards and winds over the British Isles freshened from the south-west in the circulation of a complex low pressure system near Iceland. Weather remained unsettled as troughs moved north-east across the country. There was rain in most districts during the next few days and this was particularly heavy on the 10th in the west, where flooding was again widespread; on that day Camelford had over 1 in. in 9 hr making a total of over 7 in. of rain there in 14 days. Temperatures over much of the east Midlands, East Anglia, and Kent rose to about 21°C, more than 5°C above the October average.

The only generally dry period of the month, began on the 12th with a ridge of high pressure across the country, giving four days of fine, quiet weather. Afternoon temperatures rose to about 17°C and there was 7-8 hr sunshine most days, but fog was widespread in the mornings, and on the 15th it was dense in many areas and persisted all day in the south Midlands and south-east England.

On the night of 15th/16th a deep depression near Iceland moved eastwards and winds over the British Isles freshened, clearing the fog. After a period of more continuous rain during the early hours, the day was generally showery with some good fair periods, but that night a secondary depression moved rapidly south-east across the British Isles bringing a renewal of widespread rain, which was locally heavy in the west, where some places reported falls of more than 2 in. in 24 hr. Three days of cool showery weather with fresh northerly winds followed; temperatures in many places failed to reach 10°C. Snow or sleet was reported in the Pennines on the 18th.

A week of stormy weather began on the 21st, the British Isles being within an intense cyclonic circulation centred in the eastern Atlantic. Pressure had fallen over most of the country continuously since the 18th and continued to do so until the 23rd. Wind reached gale force over much of the country every day from the 17th to the 25th. With a blocking anticyclone near the Baltic intense depressions moved northwards over or near western districts of the British Isles, one on the 22nd and another on the 24th; both gave severe gales and

heavy rain. Strong south-westerly winds reaching gale force locally in southern England continued until the 27th with frequent rain or showers and scattered thunderstorms.

The 28th and 29th were predominantly dry with sunny periods but with fog, locally dense, at night. The month ended with two days of unsettled weather and strong winds in the north.

Pressure and Wind — Mean pressure was below the average generally, the deficit at 9 hr ranging from 4.7 mb at Felixstowe to 8.0 mb at Tiree. Surface winds were light and mainly southerly during the first week, south-westerly on the 8th-11th, mainly light and variable on the 12th-14th, becoming north-westerly on the 15th and 16th and predominantly northerly until the 20th, after which winds were mainly south-westerly until the end of the month. Wind reached gale force in Scotland on 19 days on the 5th, 9th, 17th-20th and 22nd-31st (16 days) in England and Wales where gales were widespread from 18th-24th and severe on the 22nd and 24th. Gusts of 79 kt were reported at Speke on the 22nd, and 83 kt and 84 kt at Stornoway and Benbecula respectively on the 24th.

Temperature — It was the fifth consecutive October with mean temperature in Great Britain above the average generally, the excess being 0.7°C in England and Wales, 0.8°C in Scotland and 0.1°C in Northern Ireland. The warmest day in most districts occurred during the first week but over much of eastern England it was on the 10th. The coldest nights at most places were the 28th/29th and 29th/30th. Air frost was reported at a number of places on the 12th-16th and 27th-31st; it was widespread towards the end of the month.

Extremes included: (England and Wales) 22.8°C at Gillingham, Kent, on the 10th, -3.9°C at Santon Downham on the 29th; (Scotland) 20.0°C at Lossiemouth on the 2nd and at Gordon Castle and Kinlochewe on the 13th, -3.9°C at Balmoral and Logie Coldstone on the 30th; (Northern Ireland) 18.4°C at Ballykelly on the 13th, 0.4°C at Nutts Corner on the 29th.

Rainfall — The general precipitation expressed as a percentage of the 1916-50 average was 128 over England and Wales, 121 over Scotland, where it was the wettest October since 1954, and 112 over Northern Ireland. Rainfall was less than the average over much of the west Midlands, over an area extending from the Wirral to the Somerset Plain, locally in the Exe and Thames valleys, in parts of eastern and northern Scotland and in the central part of Northern Ireland. However, at Norwich, it was the wettest October since 1939.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 115 in England and Wales, 105 in Scotland and 121 in Northern Ireland. Sunshine was generally below average in northern Scotland and south-west England but nearly 50 per cent above the average locally in the Midlands.

Fog — In Scotland fog was reported on 15 days but in England and Wales it occurred at one place or another every day of the month, except on the 11th, 16th-19th and 21st. It persisted throughout the day at many places on the 15th.

Miscellaneous Phenomena — The aurora was visible in Scotland on 16 nights and was seen from most parts of England and Wales on the nights of the 30th/1st and 28th/29th. Minor tornadoes caused considerable damage at Bournemouth and Marazion on the 6th and they were also observed at Burlingham on the 2nd and at Malvern on the 26th.

MWR dup

TABLE I—DISTRICT VALUES— OCTOBER 1961 (1908, revised 1928, 1941 and 1956)

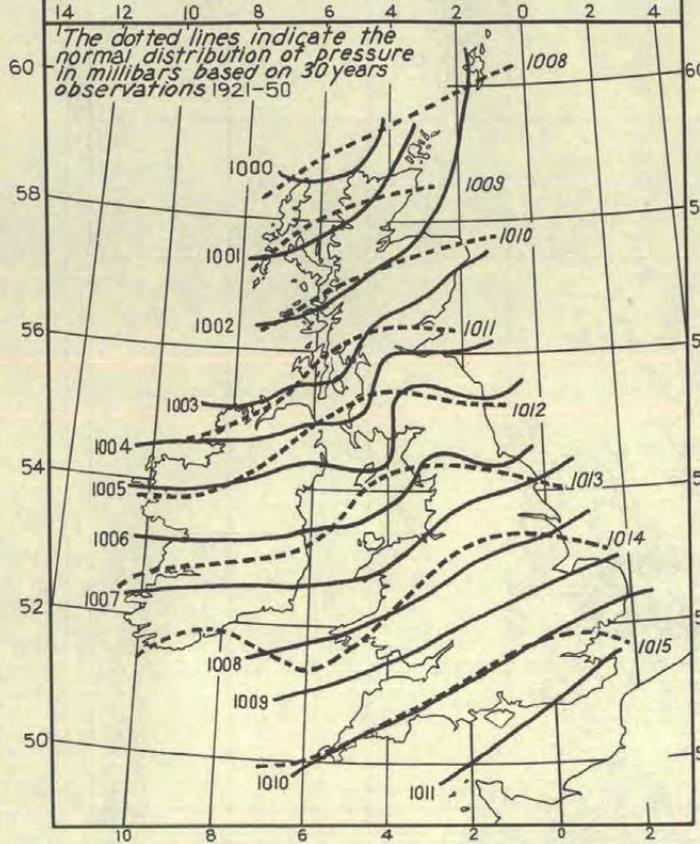
DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average
			Max.	Min.	Mean					
0 SCOTLAND, N.	20.0	-3.3	+0.6	+1.3	+0.9	-	-	129	+3	98
Eastern										
1 SCOTLAND, E.	20.0	-3.9	+0.6	+1.0	+0.9	-	-	106	+4	105
2 ENGLAND, N.E.	21.1	-1.7	+0.5	+0.5	+0.5	+0.7	+0.3	129	+4	107
3 ENGLAND, E.	22.2	-3.9	+0.9	+0.8	+0.9	+1.0	+0.8	140	+1	124
4 MIDLAND COUNTIES	21.1	-3.3	+0.8	+0.7	+0.8	+0.6	+0.7	101	+6	122
5 ENGLAND, S.E.	22.8	-2.8	+1.1	+1.2	+1.1	+0.7	+0.8	118	+2	124
Western										
6 SCOTLAND, W.	18.9	-1.7	+0.5	+0.7	+0.6	+0.5	+0.5	126	+2	113
7 ENGLAND, N.W. (and N. Wales)	19.4	-2.8	+0.6	+0.9	+0.8	+0.5	+0.5	122	+4	120
8 ENGLAND, S.W. (and S. Wales)	20.6	-2.2	+0.2	+0.3	+0.3	+0.8	+0.8	127	+6	94
NORTHERN IRELAND	18.4	0.4	+0.1	+0.2	+0.1	-	-	112	+3	121

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER 1961 (1914)

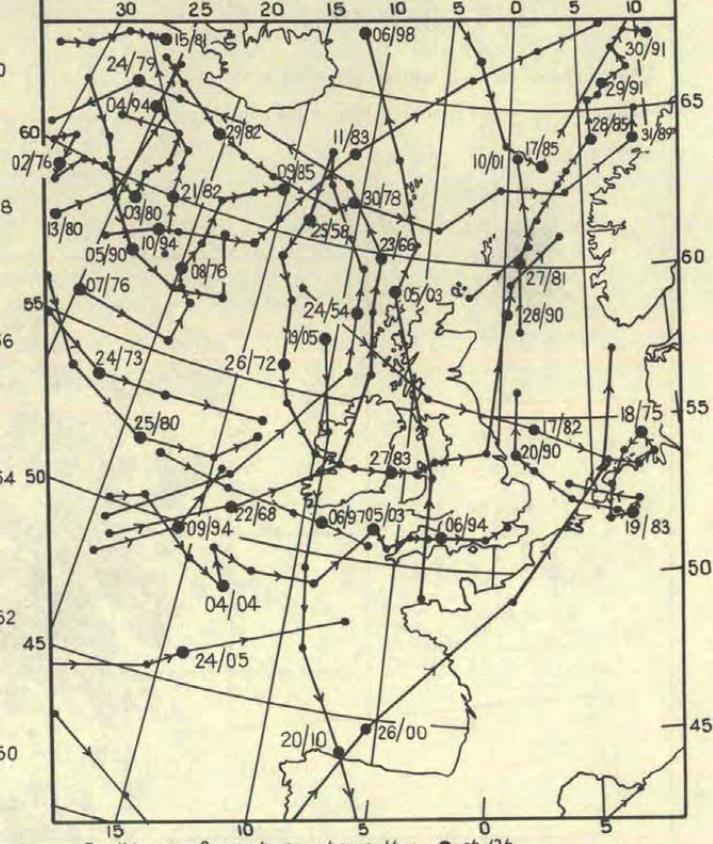
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed									Mean Hourly Wind Speed	Highest Velocities				
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind		Highest Gust				
				Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Year from N		Speed	Hour ended at	Speed	Day and Time	
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	knots	knots		day hr.	knots	day h.m.		
SCOTLAND																		
0 Zetland	Lerwick	310	53	37	11, 19, 20, 23-25	39	23	232	364	95	14	0	19.1	110	43	23 07	74	23 0620
Orkney	Kirkwall (Grimsetter)	135	51	33	11, 23, 30	5	16	154	425	147	13	0	16.1	280	40	30 20	64	30 1915
Caithness	Dounreay	110	39	30	17, 23, 24, 30, 31	30	21	167	447	100	0	0	17.6	140	47	24 11	68	24 1050
	Halkirk (Olgrinbeg)	272	40	40	23, 24	6	11	77	376	233	30	22	13.4	150	37	24 12	63	24 1110
Ross & Cromarty	Stornoway (Coastguard)	120	40	38	11, 15, 17, 23-25	36	22	231	278	86	113	0	17.1	170	56	24 14	83	24 1340
	Duirinish	125	65	55	17, 18, 24, 25, 30	22	13	91	286	245	100	0	12.8	200	48	24 15	81	24 1420
Inverness	Benbecula	69	51	35	17, 18, 23-25, 30	45	18	201	281	179	38	0	17.2	220	54	24 16	84	24 1525
1 Moray	Lossiemouth	100	80	66	18, 24, 31	9	12	112	188	259	176	0	11.0	350	37	18 02	57	24 1455
Aberdeen	Dyce	225	40	40	-	0	9	37	314	259	134	0	10.3	170	33	23 06	50	23 0420
Angus	Bell Rock Lighthouse	128	131	124	11, 18-20, 22-25	87	22	221	309	112	15	0	20.4	150	52	24 10	73	23 0005
Perth	Rannoch	1006	56	57	23, 24, 30	9	14	84	234	244	98	75	12.0	210	44	24 13	79	24 1215
Fife	Leuchars	78	40	40	22-24	7	11	57	276	304	100	0	10.9	140	38	22 24	59	23 0230
Midlothian	Edinburgh	485	39	23	23	3	9	36	272	263	170	0	9.7	180	38	23 06	62	23 0315
6a Argyll	Tiree	89	60	47	2, 10, 11, 17, 18	66	25	272	280	81	45	0	20.3	190	52	24 09	77	24 1030
Bute	Millport	50	34	34	23, 24	6	9	70	324	186	87	71	12.8	260	43	23 06	58	23 0535
Renfrew	Paisley	188	81	31	-	0	2	6	150	397	191	0	6.8	170	27	23 04	63	23 0550
	Renfrew	71	41	39	-	0	7	37	208	354	145	0	8.8	210	33	24 11	56	24 1015
Ayr	Prestwick Airport	35	33	33	23	2	8	51	267	350	74	0	10.6	250	37	23 06	64	23 0450
Dumfries	Eskdalemuir	825	50	35	23	4	7	35	241	269	195	0	9.0	200	36	23 03	58	23 0020
ENGLAND AND WALES																		
6b Isle of Man	Point of Ayre	70	40	35	17, 18, 22, 23, 25	16	15	168	311	217	32	0	15.2	210	40	23 01	66	23 0045
2 Durham	Durham	389	53	33	-	0	9	61	220	310	77	76	10.7	-	29	22 23	60	22 2240
	South Shields	73	57	44	18	7	5	47	168	390	132	0	9.2	350	37	18 12	58	18 1335
Lincoln	Cranwell	288	47	47	-	0	6	56	289	340	59	0	11.2	340	30	18 09	47	17 1220
3 Norfolk	Gorleston	45	33	33	∅	0	2	6	261	355	122	0	8.7	320	25	19 07	47	19 0450
Suffolk	Mildenhall	98	83	60	-	0	9	42	436	187	79	0	12.4	190	30	23 01	52	23 0145
	Felixstowe	85	75	65	-	0	4	14	327	184	91	0	13.6	300	35	17 14	59	17 1310
Bedford	Cardington	226	133	133	17, 25	4	13	128	411	159	42	0	14.6	170	37	22 24	60	19 0505
Hertford	Rothamsted	461	41	33	-	0	0	0	104	429	211	0	5.9	340	18	19 07	42	19 0035
	Stanstead Abbots	138	41	40	-	0	3	12	198	333	201	0	7.4	310	25	17 16	41	17 1530
Essex	Coryton	66	57	48	-	0	3	29	243	373	91	8	9.3	330	29	19 02	49	18 1815
	Shoeburyness	118	106	91	22-24	4	13	128	411	159	42	0	14.6	170	37	22 24	60	19 0505
4 Yorks., W.R.	Sheffield	533	83	35	-	0	1	7	147	350	240	0	6.5	340	23	18 18	48	22 2215
Warwick	Birmingham	643	118	73	-	0	4	16	225	464	39	0	9.3	320	24	19 01	46	17 1315
Stafford	Keele	706	50	40	-	0	1	3	207	387	147	0	8.2	320	24	17 12	52	17 1155
Gloucester	Avonmouth	92	61	33	-	0	11	47	289	187	173	48	10.6	240	33	17 10	52	22 1930
5 London	Kingsway	208	143	41	-	0	0	0	196	426	122	0	8.0	310	20	19 01	43	25 0950
Middlesex	London Airport	115	33	33	-	0	4	13	223	339	169	0	8.1	170	24	22 23	42	17 1300
	Hampton	139	101	100	-	0	2	4	229	350	161	0	8.0	330	23	18 21	57	17 1530
Surrey	Kew Observatory	92	75	50	-	0	0	0	185	372	187	0	7.5	340	20	19 02	49	18 1740
	Gatwick	232	38	33	-	0	6	15	235	261	233	0	7.6	200	26	22 24	49	22 2355
Kent	Isle of Grain	48	40	33	-	0	1	4	158	246	328	8	6.2	170	26	22 24	43	22 2220
	Dungeness	70	50	33	23, 27	5	14	137	322	162	118	0	13.6	200	35	23 01	55	23 0130
	Dover	68	38	62	-	0	13	89	356	216	83	0	12.5	190	33	27 18	56	19 0655
Sussex	Thorney Island	75	65	42	-	0	2	5	231	265	243	0	7.5	190	23	22 22	44	22 2230
Hampshire	Southampton (Eastleigh)	95	60	41	*	0	7	15	411	258	60	0	11.5	190	27	22 23	35	25 2235
	Calshot	50	41	33	-	0	0	0	145	353	246	0	6.3	260	21	17 11	41	22 2255
Berkshire	S. Farnborough	318	69	35	-	0	0	0	249	243	245	0	7.7	180	24	24 10	45	17 1455
Wiltshire	Abingdon	295	40	40	-	0	3	7	185	398	135	0	8.3	330	28	18 22	50	22 2155
	Larkhill	491	51	36	-	0	4	26	225	333	176	0	8.3	180	28	22 22	46	22 2200
	Porton	406	44	44	-	0	3	10	225	333	176	0	8.3	180	28	22 22	46	22 2200
7a Cumberland	Sellafield	83	39	35	22-25	18	15	118	402	192	7	7	15.6	-	44	23 01	63	23 0115
	Spadeadam	959	51	40	18, 23, 24	5	12	74	236	332	97	0	11.2	200	37	23 04	56	23 0450
Westmorland	Moor House	1960	50	45	18, 22, 23, 31	15	18	139	267	188	135	0	13.2	230	41	23 05	58	23 0445
Lancashire	Southport	59	41	33	17, 18, 25	10	14	124	211	302	86	11	12.5	320	39	17 12	56	17 0905
	Speke	180	100	65	22, 23	3	13	104	433	183	21	0	14.7	160	36	22 21	79	22 2055
Cheshire	Bidston Observatory	262	64	39	∅	0	5	16	303	372	53	0	10.0	290	26	17 12	50	22 2120
	Manchester Airport	318	70	30	-	0	5	16	303	372	53	0	10.0	290	26	17 12	50	22 2120
7b Anglesey	Holyhead (Valley)	76	50	40	17, 18, 22-25	33	14	186	292	102	131	0	15.8	220	51	22 23	72	22 2245
8a Cardigan	Aberporth	483	41	41	17, 18, 24	35	15	117										

MONTHLY WEATHER CHARTS OCTOBER 1961

1. MEAN PRESSURE 9 A.M.

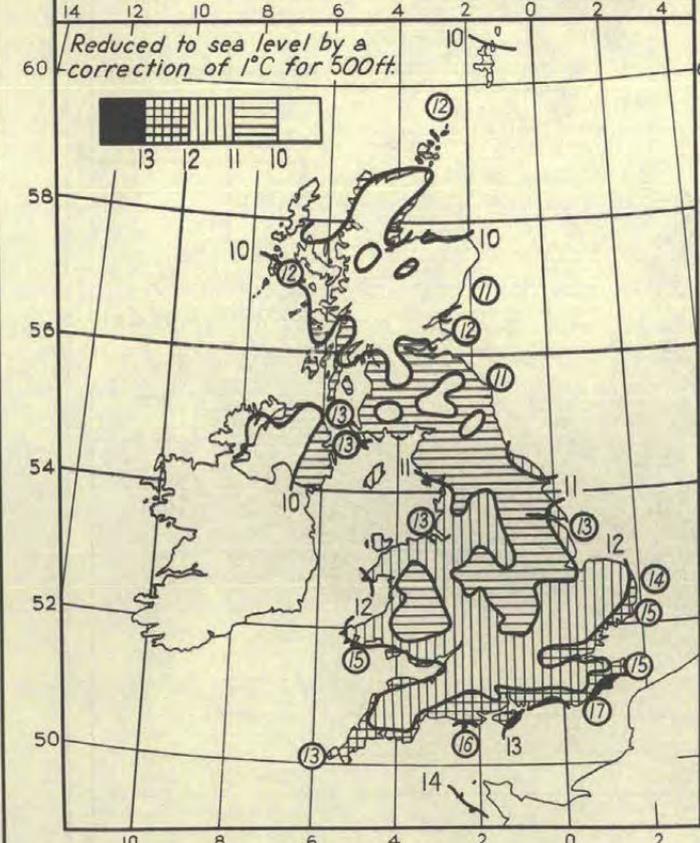


2. MOVEMENTS OF DEPRESSIONS

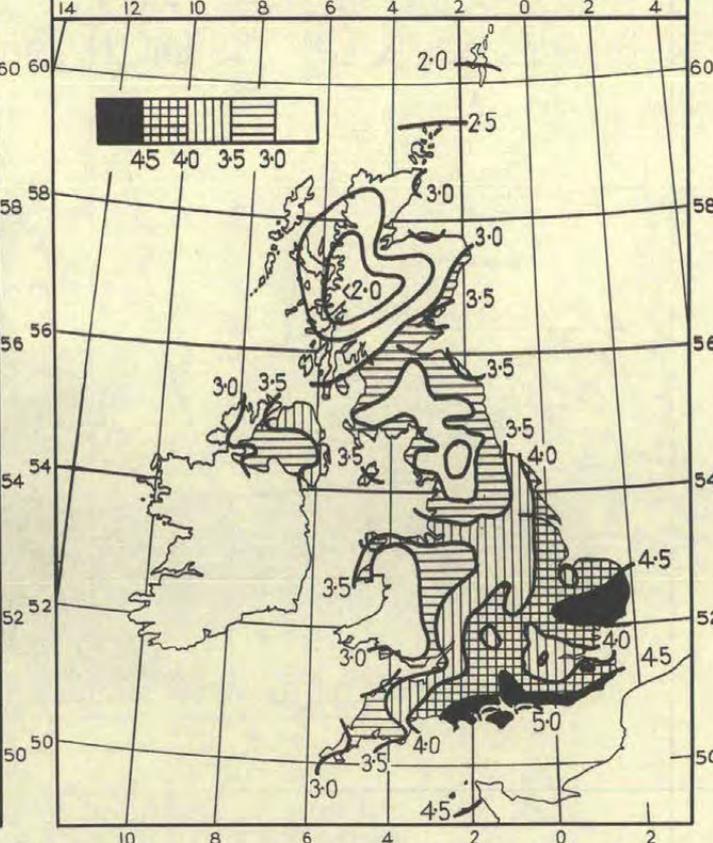


Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



4. BRIGHT SUNSHINE, HOURS PER DAY



Sea temperatures are shown by figures in circles, thus: ⑩

RAINFALL

OCTOBER 1961

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

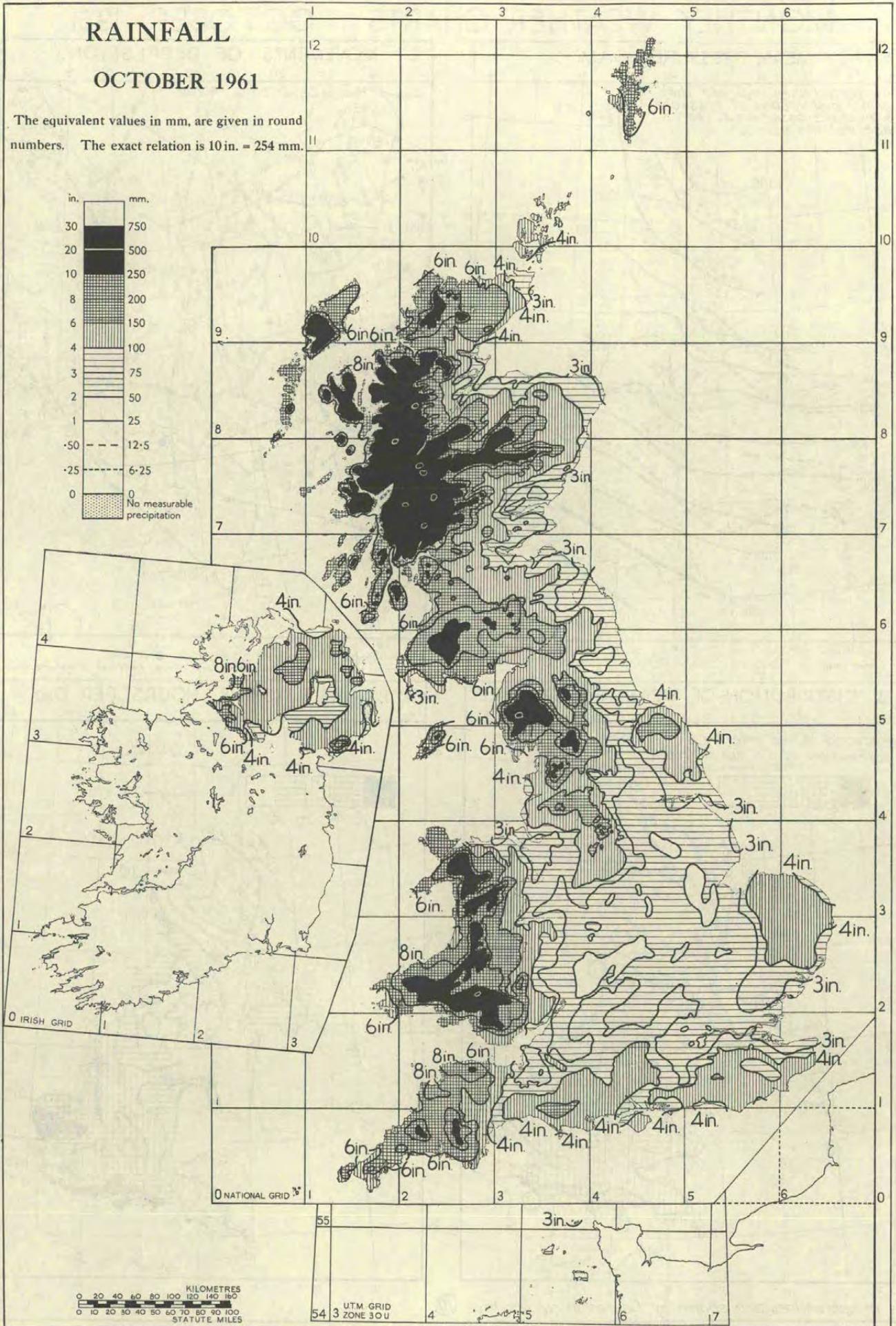
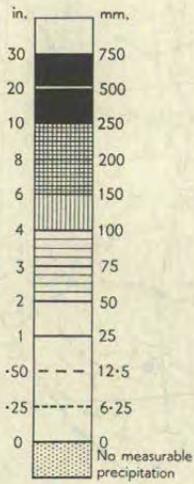


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE							
			Means of				Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O°C or less	Gale	Daily Mean	Percentage of Average			
			A Max.	B Min.	Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date					Amount	Date	-0.1in. (0.2mm.) or more	-0.4in. (1.0mm.) or more														
			Max.	Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%		
0 SCOTLAND, N.																																
Zetland	Lerwick Obs'y. ¶§	21-9	289	10.9	8.2	9.5	+1.8	14.6	13	2.3	30	-	-	6.90	155	1.02	30	26	24	0	0	0	0	7	3	2	0	1	9	1.99	90	
	Baltsound ...	9 9	78	11.4	8.0	9.7	-	15.0	13	2.2	30	9.7	-	7.02	147	1.03	27	28	26	2	0	0	0	0	2	0	0	0	1	7	1.83	-
Orkney	Sule Skerry ...	9 9	43	11.6	9.1	10.3	-	15.0	13	5.0	29	-	-	4.65	-	.60	27	29	24	0	0	0	0	0	0	0	0	0	10	-	-	
	Kirkwall (Grimsetter)	21-9	84	11.8	7.9	9.9	-	14.6	1	3.0	29,30	-	-	4.09	90	.55	30	23	20	2	0	0	3	0	1	1	0	0	4	2.88	-	
Caithness	Dounreay ...	9 9	70	12.4	-	-	-	18.9	13	-	-	-	-	4.72	-	.71	17,27	26	20	0	0	0	0	1	0	2	1	2	6	-	-	
	Halkirk (Olgrinbeg)	9 9	232	-	-	-	-	-	-	-	-	-	-	6.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Wick ... ¶§	21-9	119	11.7	7.7	9.7	+1.0	15.2	13	1.0	30	-	-	2.71	87	.29	7	22	18	1	0	0	1	1	0	0	0	2	4	3.10	114	
Sutherland	Cape Wrath ...	21-9	367	11.8	8.0	9.9	-	18.0	2,3	3.0	31	-	-	4.43	86	.45	27	26	25	0	0	0	2	0	0	0	0	0	8	-	-	
	Lairg (Achany) ...	9 9	240	12.5	4.9	8.7	-	19.4	13	-1.7	30	9.4	10.6	4.59	-	.58	17	25	23	0	0	0	0	0	0	0	0	17	0	-		
	Strathlyon ...	9 9	120	12.3	6.6	9.5	-	18.3	13	1.7	30	-	-	5.40	124	.86	27	26	21	3	0	2	1	0	0	0	0	0	0	2.56	-S	
Ross & Cromarty	Stornoway ¶§	21-9	11	11.9	7.3	9.6	+0.7	15.6	2,6	0.3	17	-	-	6.17	141	.82	25	29	23	0	0	0	4	0	0	0	0	2	4	2.71	110	
	Balmacara ...	9 9	2	13.0	7.8	10.4	-	18.3	13	3.9	29	-	-	10.42	-	(.85)	24	27	25	0	0	0	0	0	0	0	0	0	0	-	-	
	Achnashellach ...	9 9	220	12.2	5.6	8.9	+0.5	18.3	13	0.6	30	-	-	12.04	132	1.18	17	29	24	4	0	1	1	1	0	0	0	0	1	-	-	
	Kinlochewe ...	9 9	76	12.6	6.7	9.7	-	20.0	13	1.7	30	10.3	-	12.45	-	1.20	17	27	26	2	0	0	0	0	0	0	0	4	0	1.37	-S	
	Garve (Blackbridge)	9 9	690	12.4	6.8	9.6	-	17.2	3	(2.2)	30	-	-	7.92	-	1.16	17	25	24	3	0	0	0	0	0	0	0	0	0	2.08	-	
	Fortrose ... ¶§	9 9	15	12.3	8.0	10.1	+1.0	18.3	2	2.8	26	-	-	3.33	119	.62	17	23	20	1	0	0	0	0	0	0	0	2	2.61	90		
	Tarbatness ...	21-9	60	12.0	8.0	10.0	-	15.0	2,8,10	2.0	30	-	-	2.65	-	.43	20	24	13	0	0	0	0	0	0	0	0	0	0	-	-	
Inverness	Benbecula ...	21-9	19	12.1	7.4	9.7	-	16.4	13	2.5	21,27	-	-	7.06	138	1.44	24	27	26	0	0	0	3	4	1	0	0	1	7	2.77	-	
	Isle of Rhum ...	9 9	15	12.2	7.7	9.9	-	16.1	1,13	2.2	30	11.9	-	11.44	-	1.16	24	28	26	0	0	0	0	3	0	0	0	0	0	7	-	
	Prabost ...	9 9	220	11.7	6.8	9.3	-	16.7	1	1.7	30	-	-	10.14	-	1.13	24	29	27	0	0	0	1	6	2	0	0	5	6	2.22	-	
	Duntulm ...	9 9	294	11.9	7.6	9.7	-	16.1	1,6,13	4.4	30	-	-	7.42	124	.78	22	29	27	0	0	0	2	0	0	0	0	1	9	1.29	-S	
	Onich ... ¶§	9 9	48	12.3	6.9	9.6	+0.2	17.8	7	1.1	27	-	-	12.91	142	1.30	24	26	25	0	0	0	0	0	0	0	0	8	0	1.79	85S	
	Fort William (Camaghael)	9 9	27	12.8	6.7	9.7	-	18.3	1,2	0.6	27	9.8	11.3	10.72	-	1.25	21	27	23	0	0	1	2	2	0	0	6	2	1.47	-S		
	Fort Augustus ...	9 9	70	12.2	6.6	9.4	+0.9	18.3	7	0.0	27,30	-	-	7.54	-	.95	23	25	22	0	0	1	0	0	4	2	2	2	1.83	-		
	Cannich ...	9 9	350	11.6	4.2	7.9	-	17.2	13	-3.3	30	-	-	7.95	159	1.07	25	25	23	0	0	0	0	0	0	0	2	10	0	-		
	Dalwhinnie ...	18-9	1176	9.9	5.2	7.5	-	14.8	13	-2.0	27	-	-	9.71	175	1.71	22	26	24	0	0	0	0	0	0	0	0	1	5	0	1.71	-
	Inverness ...	9 9	13	12.6	7.0	9.8	-	18.3	2	1.7	30	-	-	4.00	-	.65	17	23	20	0	0	0	0	0	0	0	0	2	0	2.87	-	
	Achnagoichan ...	9 9	1000	11.1	5.1	8.1	-	16.7	14	-0.6	30	8.7	-	5.55	-	.98	17	25	23	0	0	0	0	0	0	0	1	8	0	-		
	Glenmore Lodge	9 9	1120	11.0	4.8	7.9	-	17.2	13	-1.8	30	-	-	8.42	-	1.44	22	25	22	1	0	1	0	0	0	2	9	2	2.41	-S		
1 SCOTLAND, E.																																
Nairn	Nairn ... ¶§	9 9	20	12.9	6.0	9.5	+0.6	18.3	2,13	-0.6	30	-	-	3.03	111	.42	17	26	20	0	0	1	0	0	0	0	1	5	2	2.87	95	
	Grantown-on-Spey ...	9 9	720	11.8	3.4	7.6	-	17.2	1,2	-3.3	30	-	-	4.78	-	.98	17	26	23	0	0	0	0	0	0	0	1	4	9	2	-	
	Forres ...	9 9	155	12.7	6.4	9.5	-	19.4	2	0.6	30	9.6	11.0	2.89	107	.33	27,28	22	17	0	0	0	0	0	0	0	0	4	0	2.95	-	
	Kinloss ...	21-9	15	13.0	6.6	9.8	-	19.2	13	-0.1	30	-	-	2.70	-	.29	17	22	17	0	0	0	1	1	0	1	4	1	2	2.82	-	
	Elgin ...	9 9	92	13.2	7.1	10.1	-	19.4	13	1.7	27,30	-	-	2.67	-	.55	20	20	17	0	0	0	0	0	0	0	0	3	1	3.13	-	
	Lossiemouth ...	9 9	21	12.8	6.1	9.5	-	20.0	2	-1.1	30	-	-	2.32	-	.38	20	19	16	0	0	0	0	0	0	1	0	2	3	8	-	
	Gordon Castle ...	9 9	104	13.1	5.6	9.3	+0.5	20.0	13	-0.6	27	-	-	3.51	112	.85	20	19	13	-	0	-	-	-	-	1	-	-	3.17	107S		
Banff	Glenlivet ...	9 9	1085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Aberdeen	Braemar ...	9 9	1113	10.9	4.2	7.5	+0.8	16.7	13	-2.8	30	-	-	6.22	151	1.47	22	25	19	-	0	0	0	0	0	0	2	16	1	2.00	-S	
	Balmoral ...	9 9	927	11.3	4.6	7.9	+1.1	16.7	13	-3.9	30	-	-	5.79	156	1.30	17	23	20	0	0	0	0	0	0	0	3	8	1	-		
	Logie Coldstone ...	9 9	608	12.0	4.7	8.3	+0.7	18.9	13	-3.9	30	-	-	4.57	-	.90	7	21	16	-	0	0	0	0	0	0	2	4	0	-		
	Huntly ...	9 9	405	12.7	5.6	9.1	-	19.3	13	-0.6	30	-	-	5.68	-	1.33	18	20	14	0	0	1	0	0	0	0	2	4	0	-		
	Fyvie Castle ...	9 9	218	12.7	5.8	9.3	-	17.8	14	-1.1	27,30	-	-	4.53	-	.86	22	18	15	-	0	0	0	0	0	0	2	5	0	2.73	-	
	Craibstone ¶§	9 9	300	11.9	6.6	9.3	+1.0	18.3	14	1.1	30	10.2	11.1	4.51	126	.84	22	19	12	0	0	0	0	0	0	0	1	0	1	3.11	95	
	Dyce ...	21-9	190	12.4	6.3	9.3	-	18.2	14	-1.6	30	-	-	4.05	108	.73	22	17	12	0	0	0	0	1	0	0	1	4	1	3.26	-	
	Aberdeen ...	9 9	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Udny ...	9 9	383																													

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE											
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O°C.	Gale	Daily Mean	Percentage of Average									
			A	B			Maximum	Date	Minimum	Date					Amount	Date	0.1in. (0.2mm.) or more	0.4in. (1.0mm.) or more																				
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																							
1 SCOTLAND, E.—cont.																																						
Midlothian	Penicuik	9 9	620	12.2	5.4	8.8	-	17.2	1,2	1.7	13,27,30	9.5	-	4.68	-	.62	22	21	18	0	0	0	0	0	0	0	0	0	5	2	2.83	-8						
cont.	Bush House	9 9	605	12.4	6.0	9.2	-	17.2	2	1.7	27,30	9.6	11.1	4.97	-	.66	22	22	20	0	0	0	0	0	0	0	0	0	0	0	0	-	-					
	Edinburgh—																																					
	Blackford Hill	9 9	441	12.7	7.3	10.0	+0.9	17.8	2	4.4	26,28,30	-	-	3.30	117	.45	9	21	17	0	0	0	0	0	0	0	0	0	0	0	1	3.55	111					
	Liberton	9 9	200	13.4	6.5	9.9	-	18.9	2	2.2	30	-	-	3.49	-	.44	9	18	17	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26	-				
	Botanic Garden	9 9	74	13.4	6.9	10.1	-	18.3	2,6	2.2	30	9.9	-	3.36	-	.50	2	21	17	0	0	0	0	0	0	0	0	0	0	0	0	0	3.39	-				
E. Lothian	Haddington	9 9	162	13.3	6.7	10.0	-	18.3	4	0.0	30	-	-	3.16	-	.75	20	22	16	0	0	0	0	0	0	0	0	1	4	2	3.22	-						
	North Berwick	9 9	51	13.6	7.5	10.5	+1.2	17.8	2,4,6	2.8	30	-	-	2.74	103	.39	20	25	18	0	0	0	0	0	0	0	2	0	1	3.40	121							
	Dunbar	9 9	75	13.2	7.9	10.5	-	17.2	3,4	3.3	30	-	-	3.08	-	.59	20	21	15	0	0	0	1	0	0	0	0	0	0	0	4.02	-						
Berwick	Marchmont	9 9	498	12.2	5.6	8.9	+0.5	16.7	2,6	1.1	30	-	-	2.88	89	.62	20	21	15	0	0	0	0	0	0	0	0	0	0	7	2.87	115						
	St. Abb's Head	9 9	245	11.8	8.2	10.0	-	15.0	12	4.5	27	-	-	2.67	-	.61	16	21	17	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-				
	Broughton	9 9	741	11.9	6.3	9.1	-	16.7	2	1.1	27	-	-	7.33	-	1.77	22	25	20	0	0	0	1	0	1	0	0	0	0	0	0	0	0	-	-			
	Blyth Bridge	9 9	830	11.6	5.9	8.7	-	16.7	2	0.0	27	-	-	5.05	-	.82	22	23	20	0	0	0	3	1	0	1	5	2	2.93	-	-	-	-					
	West Linton	9 9	800	11.9	5.4	8.7	-	17.2	1	-0.6	13	8.7	11.0	4.72	-	.65	22	26	22	0	0	0	0	1	0	3	5	0	0	0	0	0	0	-	-			
	Peebles	9 9	645	12.1	5.5	8.8	-	16.7	2,13	0.0	13	-	-	5.20	-	1.05	22	22	20	0	0	0	0	0	0	1	1	4	5	2.67	-8							
	Peebles (Gentress)	9 9	580	12.6	5.3	8.9	-	17.8	2,13	-0.6	13	-	-	5.04	-	.93	22	23	20	0	0	0	0	0	0	1	1	1	0	0	0	0	0	-	-			
Selkirk	Selkirk (Bowhill)	9 9	600	11.3	4.9	8.1	-	16.7	4,6	0.0	30	-	-	4.64	-	.80	26	22	18	0	0	0	0	0	0	2	4	1	-	0	0	0	0	-	-			
Roxburgh	Hawick (Wauchope)	9 9	560	12.9	5.4	9.1	-	17.2	3	1.1	13	-	-	4.25	-	.69	22	21	16	-	-	-	-	0	0	-	-	-	-	-	-	-	-	-				
	Sourhope	9 9	900	11.8	5.8	8.8	-	17.8	7	2.2	30	-	-	3.47	-	.61	18	23	18	0	0	0	1	0	0	0	0	0	3	1	3.42	-	-	-	-			
6a SCOTLAND, W.																																						
Argyll	Tiree	21-9	29	12.3	8.2	10.3	+0.1	15.3	6	3.1	27	-	-	6.48	127	1.27	16	24	22	0	0	0	3	0	0	0	0	0	2	6	2.78	103						
	Rhuvaal	21-9	65	12.4	8.6	10.5	-	15.9	6	4.2	25	-	-	7.71	-	1.53	16	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
	Colonsay	9 9	87	13.3	6.1	9.7	-	16.7	16	-1.1	19,20	-	-	6.01	95	1.20	16	23	21	3	-	4	0	1	0	4	-	5	-	-	-	-	-	-	-			
	Campbeltown	9 9	10	13.2	7.7	10.5	-	15.6	1,7,14	2.2	27	-	-	5.86	-	1.79	4	20	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Tarbert (Achaglachgach)	9 9	40	13.2	6.4	9.8	-	17.2	1,3,6	1.1	28	-	-	8.70	-	1.82	16	23	23	0	0	4	0	0	0	0	0	0	6	0	0	0	0	0	0	0	-	-
	Oban	9 9	229	12.2	7.6	9.9	-	16.7	6,13	5.0	25,27,30	-	-	11.29	168	1.36	16	25	23	0	0	1	0	0	0	0	0	0	1	0	1.94	86						
	Lephinmore	9 9	30	12.6	7.2	9.9	-	16.7	1,6	2.8	30	-	-	11.74	-	1.93	21	22	21	0	0	1	0	1	0	1	0	6	0	2.48	-8							
	Glenbranter	9 9	120	12.4	6.2	9.3	+0.6	16.1	2,7,8	0.0	30	-	-	14.16	128	1.53	22	26	23	-	-	-	-	0	1	-	0	1	-	-	-	-	-	-	-			
	Benmore (Forestry Sch.)	9 9	46	12.7	5.7	9.2	-	17.2	1	0.0	29,30	9.7	11.2	13.81	127	1.75	16	24	22	0	0	0	0	0	0	3	3	8	0	-	-	-	-	-	-			
	Benmore (Younger Bot. Gdn.)	9 9	40	12.6	6.7	9.7	-	17.2	1	2.2	28,30	-	-	13.72	-	1.73	16	23	21	0	0	0	4	0	0	0	0	0	7	0	-	-	-	-	-	-		
Bute	Lochransa	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Rothsay	9 9	150	12.5	7.9	10.2	+0.8	16.7	6	4.4	25	10.3	11.4	7.61	114	1.11	16	27	22	0	0	0	0	0	0	0	0	2	3	2.84	117							
	Millport	9 9	16	13.1	8.6	10.9	-	17.2	7	5.0	27	-	-	6.80	132	1.43	16	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dunbarton	Helensburgh	9 9	293	12.6	7.1	9.9	+0.8	16.7	6	2.2	30	-	-	7.94	120	1.09	4	24	22	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Stirling	Stirling	9 9	151	12.4	7.5	9.9	+0.8	16.7	2	3.3	14,30	9.4	12.2	4.52	108	.61	23	21	19	0	0	0	0	0	0	4	0	1	1	-	-	-	-	-	-			
	Falkirk	9 9	100	13.3	6.7	10.0	-	18.9	2	2.2	13,30	-	-	3.90	-	.41	11	21	20	0	0	1	0	1	2	0	-	1	-	-	-	-	-	-	-			
Renfrew	Greenock	9 9	200	12.6	7.7	10.1	+0.5	16.7	6	4.4	27	-	-	8.20	111	1.34	23	24	22	0	0	2	0	0	2	0	4	0	2.66	-	-	-	-	-	-			
	Paisley	9 9	106	13.4	7.4	10.4	+0.9	18.9	1	2.8	27	10.9	12.1	5.90	115	.66	23	21	21	0	0	2	0	0	4	0	7	0	3.33	138								
	Barrhead	9 9	97	12.9	6.8	9.9	-	17.2	1,6,13	0.6	27	-	-	6.45	-	.74	23	23	21	0	0	4	0	2	2	0	4	0	0	0	0	0	0	0	0	0		
	Renfrew	21-9	26	13.3	7.0	10.1	+1.0	18.0	6	0.6	13	-	-	5.32	113	.54	16	21	20	0	0	3	0	1	3	0	4	1	3.06	129								
Lanark	Thorntonhall	9 9	453	12.2	6.4	9.3	-	16.7	1,6,13	1.1	27	-	-	6.29	-	.80	23	22	22	0	0	4	0	1	-	0	7	0	-	-	-	-	-	-	-			
	Glasgow, Spr. Pk.	9 9	351	12.6	6.7	9.7	-	17.2	1,2,6	2.2	27	-	-	5.45	122	.62	16	21	20	0	0	1	1	2	1	0	3	0	2.85	-	-	-	-	-	-			
	Coalburn (Midtown)	9 9	707	11.9	5.2	8.5	-	16.4	6	-0.6	28	9.4	-	6.01	-	1.04	22	24	20	0	0	0	3	1	0	2	5	3	3.38	-	-							

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h	Air Frost or less	Grass min. °C.	Gale	Daily Mean	Percentage of Average					
			A	B			Maximum	Date	Minimum	Date					Amount	Date																	
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	0.01in. (0.4mm.) or more	0.01in. (0.4mm.) or more	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	hr	%
2 ENGLAND, N.E.—cont.																																	
Northumberland cont.	Acklington	21-9	138	12.9	5.7	9.3	-	17.2	9	1.6	30	-	-	3.21	-	.55	16	20	13	0	0	1	0	0	1	1	3	0	0	0	6	3.05	-
	Tynemouth	21-9	95	13.1	8.1	10.6	+0.3	17.6	9	3.5	30	-	-	3.91	158	1.28	19	20	15	0	0	0	1	1	3	0	0	0	0	6	3.29	-	
Durham	Chopwellwood	9-9	446	13.4	5.7	9.5	+0.6	17.8	10,14,15	1.7	15,16	-	-	2.92	105	.40	22	15	0	0	0	0	0	0	0	0	11	0	-	-	-		
	Ushaw College	9-9	594	12.9	6.2	9.5	+0.4	17.8	10	1.7	30	-	-	3.20	118	.57	19	19	16	0	0	0	1	0	10	0	-	0	-	-	-		
Durham	Houghall	9-9	123	13.8	4.9	9.3	0.0	17.8	6,9	-1.7	30	-	-	3.16	121	.48	19	22	18	0	0	0	0	3	4	8	1	2.93	98	-	-		
	Durham	9-9	336	13.3	6.2	9.7	+0.5	17.2	6,9,10	1.7	30	11.0	12.3	3.01	125	.43	19	19	16	-	0	-	-	-	-	5	0	0	4	-	2.99	97	
Durham	Gateshead	9-9	509	12.7	6.8	9.7	-	16.7	6,9,14	2.8	30	-	-	3.72	-	.64	19	17	14	-	0	-	-	-	5	0	0	0	0	3.35	-		
	Middleton St. Gge.	21-9	115	13.9	7.0	10.5	-	17.8	5	1.2	29,30	-	-	2.36	-	.28	19	20	13	1	0	0	0	0	3	0	1	2	3.16	-	-		
Durham	West Hartlepool	9-9	30	14.2	7.7	10.9	-	18.3	9	2.2	29,30	-	-	3.71	-	1.54	19	17	13	0	0	0	0	0	2	0	0	3	3.08	-	-		
	Hawes	9-9	745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Yorks., N. Riding	Dishforth	21-9	105	13.9	7.0	10.5	-	18.1	5,9	-0.7	29	-	-	2.72	116	.30	23	23	18	0	0	3	0	0	6	1	2	0	3.20	-	-		
	York	9-9	57	14.4	7.1	10.7	+0.6	18.9	5,9	0.0	29,30	10.8	12.3	2.67	121	.57	10	21	14	0	0	0	0	0	4	2	-	0	3.15	109	-		
Yorks., N. Riding	Ampleforth	9-9	313	13.2	6.7	9.9	+0.5	17.2	9	0.0	30	-	-	4.35	159	.72	19	22	19	-	-	-	-	-	7	1	2	-	-	-	-		
	Redcar	9-9	25	14.8	7.5	11.1	-	18.9	2	3.3	13,30	-	-	3.58	158	1.48	19	17	12	-	0	-	-	-	3	0	-	-	3.54	-	-		
Yorks., N. Riding	Whitby	9-9	135	14.2	7.5	10.9	-	18.3	4	2.2	30	-	-	4.10	171	.70	19	19	18	0	0	0	0	2	0	-	-	4	4.14	-	-		
	Scarborough	9-9	118	14.1	8.5	11.3	+0.6	17.8	3,9	3.9	29,30	-	-	4.22	188	.81	10	20	15	0	0	0	0	0	1	0	0	2	4.03	125	-		
Yorks., N. Riding	Silpho Moor	9-9	665	12.5	6.5	9.5	-	17.2	2,4	1.7	29,30	10.1	-	5.02	-	.95	19	24	18	0	0	1	0	0	6	0	2	1	3.75	-	-		
	High Mowthorpe	9-9	574	12.8	6.4	9.6	-	17.2	3,9	1.7	30	10.7	-	4.85	-	.64	10	26	17	1	0	0	0	0	6	0	4	4	3.90	-	-		
Yorks., N. Riding	Hull	9-9	8	14.7	7.5	11.1	+0.6	18.9	3,9	2.2	30	11.6	12.3	3.37	142	.66	19	15	0	0	0	0	0	2	0	3	0	3.87	130	-	-		
	Leconfield	21-9	24	14.5	7.1	10.8	-	19.0	9	1.3	30	-	-	3.79	-	.59	4	19	14	0	0	0	0	1	4	0	2	0	3.90	-	-		
Yorks., N. Riding	Filey	9-9	122	13.8	7.0	10.4	-	18.3	4	1.1	29,30	-	-	4.60	-	.83	10	20	15	0	0	2	0	0	3	0	1	0	4	4.19	-	-	
	Bridlington	9-9	157	13.7	7.2	10.5	-	17.8	9	-0.5	30	-	-	4.41	-	.66	10,19	22	14	0	0	1	1	0	0	1	2	4	4.15	-	-		
Lincoln	Spurn Head	21-9	29	14.0	9.8	11.9	+0.9	18.3	10	4.1	30	-	-	2.72	-	.95	19	16	14	0	0	0	0	0	0	-	-	4	4.23	123	-		
	Gainsborough	9-9	110	14.0	7.1	10.6	-	18.3	9	3.3	14	-	-	2.33	-	.34	10	19	17	0	0	0	0	3	0	-	-	0	-	-	-		
Lincoln	Waddington	21-9	224	14.0	7.4	10.7	-	18.3	10	3.1	29	-	-	2.04	-	.35	4	19	14	0	0	0	0	3	3	0	0	0	3.28	-	-		
	Lincoln	9-9	22	14.6	6.9	10.7	-	19.4	4	0.0	13	12.1	12.9	2.24	-	.41	4	19	14	0	0	0	0	0	4	1	8	4	3.83	-	-		
Lincoln	Cranwell	9-9	205	14.2	6.1	10.1	+0.2	19.2	10	2.4	30	11.8	14.4	1.85	85	.34	22	17	11	0	0	0	0	4	0	4	0	0	3.98	115	-		
	Cleethorpes	9-9	23	14.8	7.5	11.1	+0.6	18.9	3	1.7	29,30	-	-	2.44	113	.59	19	10	10	0	0	0	0	0	0	2	0	0	4.06	116	-		
Lincoln	Manby	21-9	55	14.4	7.2	10.8	-	19.7	10	0.7	30	-	-	2.93	-	.38	4	18	13	0	0	0	2	0	0	2	0	0	4.52	-	-		
	Skegness	9-9	15	14.6	8.7	11.7	+1.3	21.1	10	1.7	29,30	-	-	2.72	137	.40	4	18	15	0	0	0	0	0	0	2	4	4.11	116	-	-		
3 ENGLAND, E.																																	
Norfolk	Terrington	9-9	13	14.7	7.1	10.9	-	21.1	10	0.6	29	11.7	-	2.81	148	.42	26	19	17	0	0	0	0	1	1	0	6	0	3.89	-	-		
	St. Clement	21-9	76	14.8	7.3	11.1	-	21.7	10	-0.5	29	-	-	4.02	-	1.13	18	18	13	0	0	0	1	1	3	2	3	0	-	-	-		
Norfolk	Marham	9-9	80	15.3	5.5	10.4	-	22.2	10	-3.9	29	11.6	12.4	4.20	-	1.10	18	18	14	-	-	-	-	2	5	12	-	-	-	-			
	Santon Downham	9-9	250	14.3	7.3	10.8	-	21.0	10	0.7	29	-	-	4.82	-	1.06	19	17	15	0	0	1	0	3	1	4	2	4	4.13	-	-		
Norfolk	West Raynham	21-9	178	14.8	8.3	11.5	+0.5	21.7	10	3.3	29	-	-	3.62	144	.70	17	15	14	-	-	-	-	0	0	2	-	4	4.31	117	-		
	Cromer	9-9	93	15.2	6.9	11.1	+0.7	21.1	10	-0.5	15	12.0	-	4.88	191	1.01	19	18	17	0	0	1	1	0	2	7	2	4	4.35	122	-		
Norfolk	Sprowston	9-9	89	15.1	8.1	11.6	-	20.6	10	1.7	30	-	-	4.21	172	.94	17	16	14	0	0	0	1	1	1	0	2	3	4	4.53	-	-	
	Burlingham	9-9	89	15.1	8.1	11.6	-	20.6	10	1.7	30	-	-	4.21	172	.94	17	16	14	0	0	0	1	1	1	0	2	3	4	4.53	-	-	
Suffolk	Gorleston	21-9	5	15.2	9.6	12.4	+1.1	20.6	10	3.2	30	12.9	13.9	4.18	172	.85	19	13	11	0	0	1	0	0	0	0	3	4	4.62	132	-		
	Mildenhall	21-9	15	15.7	7.7	11.7	-	22.1	10	0.3	29	-	-	2.20	115	.44	4	16	13	0	0	0	2	2	0	5	0	0	4.81	-	-		
Suffolk	East Bergholt	9-9	14	15.6	6.8	11.2	-	21.1	10	-1.7	30	-	-	2.93	-	.49	27	16	13	0	0	1	1	1	2	8	0	-	-	-			
	Wattisham	21-9	292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Suffolk	Felixstowe	21-9	10	15.2	10.4	12.8	+1.3	18.6	4	4.5	30	-	-	3.08	143	.48	19	16	13	0	0	0	0	0	0	0	1	1	4.99	131	-		
	Lowestoft	9-9	82	15.2	8.8	12.0	+1.1	19.4	10	1.7	30	12.6	13.6	4.21	181	.86	19	15	13	0	0	0	0	0	0	0	1	0	4.81	128	-		
Cambridge	Boxworth	9-9	157	15.1	7.4	11.3	-	21.1	10	1.7																							

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS							EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum			1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at Sh.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at Sh.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average		
			A	B			Maximum	Date	Minimum					Date	Amount	Date	0-1in. (0-25mm.) or more												0-1in. (1-6mm.) or more	
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	0-1in. (0-25mm.) or more	0-1in. (1-6mm.) or more	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	hr	%		
5 ENGLAND, S.E.—cont.																														
Surrey																														
Wisley ...	9 9	150	15.2	7.2	11.2	+0.7	20.6	10	0.0	30	12.4	14.0	2.51	99	.56	26	19	11	0	0	0	0	0	4	5	1	4	2	3.71	120
Mickleham ...	9 9	179	15.1	6.5	10.8	-	20.0	10	-1.1	30	-	-	3.48	122	.60	27	19	13	0	0	0	0	0	3	2	1	8	1	-	-
Kew Observatory §	21-9	18	15.0	9.0	12.0	+1.1	20.2	10	2.3	29	12.1	14.2	1.94	86	.39	26	14	10	0	1	0	3	4	0	3	0	0	3.97	128	
Gatwick ...	9 9	192	15.5	6.4	10.9	-	20.5	10	-0.9	30	-	-	4.07	-	.95	27	17	13	0	0	2	0	3	2	2	3	0	4.00	-	
Croydon (Waddon)	9 9	220	15.3	7.8	11.5	+0.6	21.1	2	0.6	30	-	-	3.60	135	.63	22	16	10	-	-	-	-	-	-	-	-	-	-	-	
Addington	9 9	474	14.3	8.1	11.2	+0.9	19.4	10	3.3	30	-	-	4.05	139	.72	27	18	16	-	-	-	-	-	1	0	-	-	-	-	
Kent																														
Bromley ...	9 9	213																												
Swanley ...	9 9	177	15.4	6.9	11.1	-	21.1	10	-1.1	30	12.7	-	3.47	-	.82	27	16	11	0	0	0	0	4	3	2	5	0	3.76	-	
Dartford ...	9 9	17	15.8	7.3	11.5	-	21.1	10	0.6	30	-	-	2.94	140	.70	27	18	12	0	0	0	0	2	3	0	-	0	-	-	
Tunbridge Wells	9 9	351	14.9	6.1	10.5	+0.3	21.1	10	-1.7	30	11.8	14.1	4.46	137	1.00	24	13	12	0	1	0	3	2	1	1	2	1	4.45	123	
Goudhurst ...	9 9	280	15.4	6.7	11.1	-	20.6	10	-1.7	30	-	-	4.37	120	1.04	24	18	12	0	0	0	1	2	1	1	2	-	-	-	
East Malling §	9 9	122	15.9	6.7	11.3	+1.2	21.7	10	-0.6	30	-	13.9	4.12	146	1.07	25	17	10	0	0	0	1	1	2	1	3	0	4.28	125	
Benenden	9 9	195																												
Gillingham ...	9 9	10	16.2	7.9	12.1	-	22.8	10	1.1	30	-	-	3.06	-	.61	4	18	10	0	0	0	0	0	2	0	-	0	3.97	-	
Sittingbourne	9 9	224	15.4	7.6	11.5	-	20.6	10	0.6	30	12.4	13.9	3.71	-	.71	24	14	9	0	0	0	1	1	0	6	3	-	4.88	-	
Isle of Grain ...	9 9	9	15.8	9.2	12.5	-	21.7	10	1.7	30	-	-	2.11	-	.57	4	14	8	-	0	-	-	-	2	0	2	2	3.95	-	
Throley ...	9 9	493	15.1	7.3	11.2	-	19.4	10	1.7	30	12.4	13.9	3.82	-	.89	24	17	14	0	0	0	0	0	0	0	8	4	4.16	-	
Faversham ...	9 9	157	15.1	7.7	11.4	-	20.6	10	0.0	30	12.7	14.3	2.92	-	.64	24	16	10	0	0	0	0	2	1	0	2	1	4.54	-	
Dungeness ...	21-9	10	15.7	10.6	13.1	-	19.0	10	0.6	30	-	-	4.52	148	.67	27	18	16	0	0	0	1	0	0	1	0	8	-	-	
Wye ...	9 9	185	15.7	7.9	11.8	+1.4	20.6	10	0.6	30	-	-	4.38	128	.97	27	17	14	0	0	0	1	1	0	2	3	4.06	112		
Whitstable ...	9 9	9	15.7	8.2	11.9	-	21.7	10	0.0	30	-	-	2.87	116	.94	27	15	10	0	0	0	0	0	2	1	0	2	4.03	-	
Folkestone ...	9 9	128	16.1	10.6	13.3	-	21.1	10	5.0	18	-	15.8	4.74	155	.88	25	18	15	-	-	-	-	-	0	0	-	-	4.69	-	
Wingham (Elmstone)	9 9	28	15.7	7.1	11.4	-	20.6	11	0.0	30	-	-	3.23	-	.64	24	18	14	-	0	-	-	-	1	1	2	-	-		
Herne Bay ...	9 9	21	15.6	9.3	12.5	-	21.1	10	3.9	30	-	-	2.90	112	.93	27	15	8	0	0	0	0	0	2	0	-	0	3.82	-	
Dover ...	9 9	19	15.9	10.4	13.1	+1.3	20.0	10	4.4	30	14.5	15.9	5.20	156	1.03	24	18	14	0	0	0	0	0	0	0	6	-	4.55	-	
Dover R.M.S. ...	9 9	402																												
Deal ...	21-9	18	15.8	10.3	13.1	-	20.5	10	3.8	30	-	-	4.46	-	1.20	27	15	12	0	0	0	0	0	1	0	1	0	-	-	
Ramsgate ...	9 9	80	15.6	10.6	13.1	-	19.4	10, 11	3.9	30	-	-	3.15	117	.57	24	17	14	0	0	0	0	0	0	0	-	-	4.25	113	
Manston ...	21-9	145	15.3	8.5	11.9	-	19.6	10	2.7	30	-	-	2.59	-	.53	24	15	14	0	0	0	0	0	2	0	1	1	-	-	
Margate ...	9 9	51	15.1	10.4	12.7	+0.6	20.0	10	5.0	30	13.2	15.0	2.48	100	.53	24	18	12	0	0	0	0	0	2	0	2	4.23	113		
Sussex																														
Thorney Island	21-9	10	16.0	9.1	12.5	-	19.8	4	2.1	30	-	-	2.96	103	.69	24	15	10	0	0	0	3	2	1	0	2	0	4.79	-	
Bognor Regis ...	9 9	24	15.4	10.1	12.7	+1.2	18.3	10, 11	3.9	30	-	15.3	3.26	106	.76	24	18	10	0	0	0	3	3	0	0	0	3	5.16	131	
Littlehampton ...	9 9	15	15.8	9.2	12.5	+1.1	18.9	4, 5, 10	2.8	31	-	14.8	5.04	167	.98	25	19	14	0	0	0	0	3	0	0	-	1	4.69	120	
Rustington ...	9 9	10	15.8	8.7	12.3	-	18.9	4, 10	1.7	31	-	14.0	4.68	-	.91	25, 27	17	12	-	0	-	-	-	1	0	1	-	4.19	-	
Worthing ...	9 9	25	16.1	10.2	13.1	+1.5	19.4	9, 10	5.0	30	13.1	14.8	3.33	113	.80	24	20	12	0	0	0	4	0	0	0	1	4.92	122		
Brighton ...	9 9	32	15.9	10.4	13.1	-	19.4	10	3.3	30	-	15.3	3.35	118	.91	24	16	11	0	1	0	0	1	1	0	3	4.52	-		
East Grinstead ...	9 9	440	16.1	6.2	11.1	-	20.6	10	-0.6	31	13.1	-	5.15	-	1.08	27	16	13	0	0	0	2	2	1	0	3	-	-		
Seaford ...	9 9	45	15.9	9.5	12.7	-	21.1	5	2.2	30	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	4.49	-		
Eastbourne ...	9 9	35	15.4	10.1	12.7	+0.9	19.4	10	3.9	30	14.2	15.9	4.40	123	.95	24	19	15	0	0	0	1	0	0	1	2	4.95	126		
Eastbourne (C/guard)	21-9	17	16.1	9.8	12.9	-	19.2	2	2.9	30	-	-	4.43	-	.89	24	19	14	0	0	0	0	0	0	0	1	0	-	-	
Bexhill ...	9 9	14	15.6	9.8	12.7	+1.1	19.4	10	4.4	31	14.1	-	4.00	125	.76	24	16	12	0	0	0	0	0	0	0	3	-	4.34	-	
Sedlescombe ...	9 9	175	15.3	7.6	11.5	-	21.1	10	1.7	30	-	-	4.81	-	.90	24	22	12	0	1	0	0	2	2	0	6	1	-	-	
Bodiam ...	9 9	73	16.0	7.0	11.5	-	20.6	10	-0.6	30	13.3	14.5	4.53	-	1.04	24	18	11	-	0	-	-	-	2	1	4	-	4.08	-	
Hastings §	9 9	149	15.6	10.3	12.9	+1.2	18.9	2, 3, 10	5.0	18	13.2	15.1	3.94	121	1.00	27	16	11	0	0	0	3	0	0	0	3	4.66	119		
Berkshire																														
Letcombe Regis	9 9	350	15.0	5.4																										

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day	Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average						
			A	B			Maximum	Date	Minimum	Date																		in.	%	in.	Date	0.01 in. (0.2mm.) or more	0.04 in. (1.0mm.) or more
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	0	1	2	3	4	5	6	7	8	9	10	11	12	hr	%
7a ENGLAND, N.W.																																	
Cumberland	Sellafield ...	99	43	13.8	7.6	10.7	-	17.8	3,4	3.9	29,30	-	-	6.62	140	.94	27	23	23	0	0	0	0	0	0	0	0	0	0	0	3	3.34	-
	Carlisle ...	21-9	86	13.6	7.3	10.5	-	18.2	4	2.3	14	-	-	4.29	-	.59	27	22	18	0	0	4	0	0	0	0	0	0	0	0	0	0	2.88
Westmorland	Newton Rigg ¶§	99	560	12.7	6.5	9.6	+1.0	17.2	14	0.0	30	9.9	-	5.66	149	.82	22	19	19	0	0	0	0	0	0	0	0	0	0	1	3	3.05	111
	Spadeadam ...	99	900	11.4	5.6	8.5	-	16.1	2,6	0.6	18	8.6	10.2	5.57	-	.86	9	25	21	1	0	0	5	2	1	0	0	0	2	5	3.04	-	
Lancashire	Ambleside ...	99	151	13.2	7.1	10.1	-	17.2	4	0.0	29	-	-	11.16	134	1.63	16	24	20	0	0	3	0	2	1	1	1	1	0	0	2.20	-	
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.71	-		
	Moor House ...	99	1840	9.3	4.2	6.9	-	13.9	3,6	0.0	13	7.9	-	11.36	-	2.69	16	25	22	0	0	2	0	0	1	1	4	6	6	2.20	-		
	Barrow-in-Furness ...	99	55	14.1	8.6	11.3	-	17.2	2,4,6	5.0	14	12.1	-	4.81	-	.61	16	22	20	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	Squires Gate ...	21-9	33	14.0	8.1	11.1	-	18.8	4	2.0	13	-	-	3.86	105	.68	16	25	19	0	0	0	0	0	0	0	0	0	1	5	3.44	-	
	Urswick ...	99	130	13.8	7.4	10.6	-	17.2	4,6	2.8	29,30	-	-	5.93	-	.72	16	22	20	0	0	0	0	3	4	1	0	0	0	0	0	-	-
	Poulton-le-Fylde ...	99	38	14.2	7.7	10.9	-	19.4	6	2.8	15	-	-	3.62	-	.77	16	24	15	0	0	0	0	0	0	1	0	0	0	0	0	-	-
	Grizedale ...	99	300	12.9	6.0	9.5	-	17.2	4	-1.1	29	10.9	-	8.11	-	1.60	16	23	22	0	0	0	0	0	2	0	2	2	0	0	0	-	-
	Speke ...	21-9	80	14.2	8.6	11.4	-	18.4	4	3.5	29	-	-	3.07	98	.61	16	22	14	0	0	0	0	0	0	0	1	0	0	2	2	3.58	-
	Kirkham ...	99	77	13.9	7.7	10.8	-	18.9	4	0.6	29	-	-	4.83	117	.94	16	24	20	0	0	2	0	0	0	2	0	0	0	4	0	3.36	-
Cheshire	Garstang ...	99	68	14.1	8.2	11.1	-	18.3	4	3.3	29	-	-	5.81	-	.97	16	23	20	0	0	0	0	0	0	0	0	0	0	0	0	3.50	-
	Morecambe ...	99	24	13.8	8.2	11.0	+0.7	18.3	6	3.9	28	-	-	5.07	121	.76	9	22	21	0	0	0	0	0	1	0	0	0	0	0	3.26	103	
	Preston (Moor Pk.) ...	99	108	14.0	8.0	11.0	-	18.9	4	2.8	29	-	-	5.85	138	1.13	16	25	20	0	0	0	0	2	0	2	0	2	1	-	-	-	
	Bolton ...	99	352	13.5	6.4	9.9	+0.2	18.3	4,6	1.1	30	10.6	11.5	6.61	-	1.82	16	26	21	0	0	0	0	0	2	0	2	0	8	0	3.41	-	
	Darwen ...	99	724	12.3	6.5	9.4	+0.4	16.7	4	2.2	25,30	10.4	11.6	8.16	139	2.06	16	26	25	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	Stonyhurst ¶§	99	377	13.3	7.1	10.2	+0.8	18.9	5	2.2	30,31	-	-	6.16	116	1.59	16	24	21	0	0	0	0	0	0	0	0	0	0	0	0	3.24	115
	Manchester Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.66	-	
	Heimshore ...	99	854	12.2	6.4	9.3	-	16.1	4,6	2.2	12	10.2	-	7.87	-	1.95	16	25	23	0	0	0	0	0	0	3	0	3	-	-	3.37	-	
	Manchester (Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.41	-	
	Burnley ...	99	655	12.7	6.8	9.7	-	16.7	4,6,14	1.1	29,30	11.1	11.8	5.50	-	1.55	16	23	23	0	0	0	0	0	0	0	0	0	3	1	3.39	-	
Nelson ...	99	540	12.9	5.6	9.3	-	17.2	4,14	2.2	29	10.7	12.1	5.41	110	1.54	16	24	18	0	0	0	0	0	0	0	0	0	3	1	3.07	-		
Rochdale ...	99	362	13.4	6.4	9.9	-	18.9	4	0.6	30	-	-	6.18	-	1.54	16	25	21	0	0	1	0	0	3	0	0	1	2	2.95	-			
West Kirby Park	West Kirby Park	99	17	14.6	8.3	11.5	-	18.9	4,9	4.4	12	-	-	3.21	-	.59	16	23	21	0	0	0	0	0	0	0	0	0	0	0	4.07	-	
	Bidston Obs'y. ¶§	99	198	13.3	8.4	10.9	+0.7	17.2	4,9	5.6	25	-	-	3.37	112	.48	16	23	19	0	0	0	0	0	0	0	0	0	0	0	0	3.93	127
	Northwich (Winnington)	99	65	14.4	7.7	11.1	-	18.3	4	1.7	29	-	-	2.99	96	.51	16	20	16	0	0	0	1	0	2	0	2	5	-	-	-		
	Manchester Airport ¶§	21-9	248	13.7	7.9	10.8	+1.0	18.6	4	3.3	29	-	-	3.83	118	.60	16	23	18	0	0	0	1	0	1	0	1	0	0	0	0	3.71	145
	Macclesfield ...	99	500	13.4	7.5	10.5	+1.2	18.3	4	2.8	29	-	-	4.51	125	.90	10	25	19	0	0	0	0	0	0	0	0	0	1	-	-	-	
7b NORTH WALES																																	
Flint	Rhyl ...	99	31	14.6	8.0	11.3	+0.5	19.4	4	2.8	29	-	-	2.92	98	.48	27	21	16	0	0	0	0	1	0	0	0	0	5	3.76	119		
	Prestatyn ...	99	12	14.8	8.6	11.7	-	18.9	4	4.4	15	-	-	2.75	89	.46	16	21	16	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Anglesey	Hawarden Bridge	99	17	14.6	7.4	11.0	+1.4	19.4	9	0.6	29	-	-	2.54	88	.34	22	24	15	0	0	0	2	0	1	0	0	0	1	-	-	-	
	Holyhead (Valley)	21-9	26	14.1	9.1	11.6	+0.2	18.0	6	4.1	29	-	-	7.06	184	1.03	4	24	19	0	0	3	0	2	0	0	0	0	7	3.61	110		
Denbigh	Colwyn Bay	99	118	12.1	4.8	8.5	-	18.3	14	-2.8	29	-	-	6.62	-	1.16	17	26	22	0	0	0	0	0	0	3	7	-	-	-	-		
	Alwen ...	99	1100	12.1	4.8	8.5	-	18.3	14	-2.8	29	-	-	6.62	-	1.16	17	26	22	0	0	0	0	0	0	3	7	-	-	-	-		
Caernarvon	Ruthin ...	99	248	14.3	7.3	10.8	-	18.9	14	1.7	29	-	-	4.03	-	.64	17	20	19	0	0	0	0	0	0	0	0	0	0	0	0	-	
	Bwlchwyn ...	99	1267	11.3	6.1	8.7	-	16.1	4	2.8	18,29,30	9.6	-	5.27	-	.93	17	27	22	0	0	1	0	0	0	0	3	0	0	0	0	-	
	Ruabon ...	99	312	12.1	4.8	8.5	-	18.3	14	-2.8	29	-	-	6.62	-	1.16	17	26	22	0	0	0	0	0	0	0	0	0	0	0	0	0	-
	Wrexham ...	99	275	14.3	6.9	10.6	-	18.3	4,9,26	2.2	29	11.4	12.8	3.26	-	.56	17	24	16	0	0	1	0	1	3	0	9	0	0	0	-		
	Bardsey Island ...	21-9	60	13.9	10.8	12.3	-	16.4	9	7.8	29	-	-	5.73	-	.66	4	23	20	0	0	0	0	0	0	0	0	0	0	0	0	-	
	Botwnnog ...	99	112	13.9	8.6	11.3	-	17.2	3,6,13	3.9	29	11.9	13.5	6.94	-	1.16	5	22	20	0	0	0	2	3	0	0	1	3	3.41	-			
	Bryn Adda ...	99	275	14.0	8.5	11.3	-	18.9	3	4.4	29	-	-	6.13	-																		

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr./cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-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	218	9	17	5	94.2	31	114	1	17	5	62.2	31	216	9	20	5	97.0	31
Eskdalemuir	320	2	23	26	128.4	31	136	10,19	23	26	83.9	31	322	2	27	26	148.2	25
Cambridge	356	2	24	24	189.0	31	169	4	21	24	90.3	31	-	-	-	-	-	-
Kingsway	340	5	23	24	174.2	31	162	6	22	24	104.3	29	338	5	28	24	189.5	31
Kew	333	5	21	24	169.9	31	155	4	21	24	96.7	31	363	2	23	24	188.1	31
Aberporth	308	11,12	41	31	165.9	31	170	1	41	31	110.8	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN OCTOBER 1961 WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS.

STATION	MAXIMUM TEMPERATURE °C.										STATION	MINIMUM TEMPERATURE °C.																							
	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° 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	10	21	0	0	0	0	0	0	0	5	16	10	0	Birmingham	0	0	3	15	13	0	0	0	0	0	0	0	0	0	0	4	21	5	1
Stornoway	0	0	10	18	3	0	0	0	0	0	0	6	17	8	0	Kew Observatory	0	0	1	16	13	1	0	0	0	0	0	0	0	0	2	18	10	1	
Craibstone	0	0	11	17	3	0	0	0	0	0	0	11	14	6	0	Hastings	0	0	1	14	16	0	0	0	0	0	0	0	0	1	16	12	2		
Rothsay	0	0	8	19	4	0	0	0	0	0	0	5	20	6	0	Southampton	0	0	0	9	21	1	0	0	0	0	0	0	0	4	18	8	1		
Renfrew	0	0	1	22	8	0	0	0	0	0	0	6	19	6	0	Stonyhurst	0	0	2	21	8	0	0	0	0	0	0	0	0	6	21	4	0		
Eskdalemuir	0	0	11	14	6	0	0	0	0	0	3	12	14	2	0	Bidston Observatory	0	0	3	21	7	0	0	0	0	0	0	0	0	26	5	0			
Douglas	0	0	2	26	3	0	0	0	0	0	0	2	21	8	0	Holyhead (Valley)	0	0	0	19	12	0	0	0	0	0	0	0	1	18	12	0			
Cockle Park	0	0	8	16	7	0	0	0	0	0	0	11	18	2	0	Falmouth	0	0	0	22	9	0	0	0	0	0	0	0	2	19	10	0			
Gorleston	0	0	1	14	15	1	0	0	0	0	0	2	16	10	3	Aldergrove	0	0	3	22	6	0	0	0	0	0	0	0	8	19	4	0			
Cambridge	0	0	1	15	14	1	0	0	0	0	2	7	16	6	0	Armagh	0	0	1	26	4	0	0	0	0	0	0	0	10	20	1	0			

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS						EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER										BRIGHT SUNSHINE													
				Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less	Gale	Daily Mean	Percentage of Average										
				A Max.	B Min.			Maximum	Date					Minimum	Date	Amount	Date											0.1 in. (2.5 mm.) or more	0.01 in. (0.25 mm.) or more								
1959	Helmshore	9	9	85.4																																	
November	Brighton	9	9	32	53.2F		48.3F																														
"	Seaford	9	9	45			47.5F																														
1960	Helmshore	9	9	85.4																																	
1961	Helmshore	9	9	85.4																																	
February	Brighton	9	9	32																																	
"	Plymouth (Mt. Batten)	21	9	87	10.1		8.5	+2.3																													
"	Nairn	9	9	20		2.1	5.6	+1.5																													
March	Bognor Regis	9	9	24																																	
"	Midcalder	9	9	400																																	
"	Point of Ayre	21	9	30																																	
"	Balmacara	9	9	2																																	
"	Nairn	9	9	20		4.9	8.5	+3.2																													
"	West Kirby Park	9	9	17																																	
April	Point of Ayre	21	9	30	11.6	6.2	8.9		15.5	14,21	2.2	4			4.30	243	.69	26																			
"	Nairn	9	9	20		4.1	7.9	+0.8																													
"	West Kirby Park	9	9	17																																	
"	Langar	21	9	106																																	
"	Penkridge	9	9	330		5.3	8.9																														
"	Wellingborough	9	9	298																																	
"	Bognor Regis	9	9	24																																	
May	Nairn	9	9	20		5.2	9.4	+0.1																													
"	Margate	9	9	51	14.4		12.0	+0.4																													
June	Kilmarnock	9	9	115		9.1	12.9	-0.5																													
"	Nairn	9	9	20		8.8	12.9	+0.6																													
"	West Kirby Park	9	9	17																																	
1961	Belfast (Stor- mont)	9	9	200																																	
January	Strathyre	9	9	425																																	
May	Dovercourt	9	9	11																																	
January	Guernsey	9	9	340																																	
June	Cwmystwyth	9	9	989																																	
May	Askham Bryan	9	9	110																																	

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DUPLICATE

M.O. 701

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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



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Volume 78 Number 11

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November 1961 — *Sunny and mainly dry*

The first half of the month was mainly cyclonic with pressure low to the north of the British Isles until the 9th and low to the south from then until the 14th. Thereafter an anticyclone was centred over or near the country until the 18th when it moved eastwards to the Continent. A westerly airstream was re-established on the 23rd and persisted until the end of the month.

The mild wet weather at the end of October continued into November as a vigorous depression, moving eastwards towards Scandinavia, skirted the coast of Scotland giving heavy rain and gales in many northern districts. The 1st was the warmest day of the month over much of the country with temperatures exceeding 17°C in parts of south-east England. Fronts associated with the depression brought rain to most districts of the British Isles on the 1st, but these cleared the country during the morning of the 2nd, giving place to fairer weather with scattered showers in the afternoon. The next day, with pressure low over Scandinavia, cold northerly winds covered the British Isles, and these persisted on the 4th; there were sunny periods but showers were widespread and were occasionally of snow as far south as southern England.

Weather was milder during the next few days with frequent periods of rain and drizzle as winds backed to south-west and a complex frontal system from the Atlantic became slow moving over the British Isles. The system had cleared south-east England by the afternoon of the 8th, but there were thundery showers in all districts as a cold front wave moved northward over the North Sea. That evening winds fell light and by dawn on the 9th fog and frost were widespread, the fog persisting throughout the day locally. The next day a small depression moving eastward along the English Channel brought thundery rain to many southern districts; parts of Hampshire and Dorset had over 1 in. while 1.54 in. fell at Bournemouth.

The situation changed markedly on the 11th as a vigorous depression moved south-east over the Bay of Biscay into France. The thundery rain continued for a time in central and southern England and winds increased from the north-east reading gale force in many parts of southern England during the next three days, gales being particularly widespread on the 13th. Over England and Wales weather was wet and rather dull but parts of Scotland and Northern Ireland had sunny periods.

On the 15th a ridge of high pressure over Scotland and northern England moved southwards to cover the country and this was the beginning of a quiet, mainly dry spell which lasted for about a week. Overnight fog and frost were widespread during the latter part of the week, the fog persisting locally throughout the 22nd.

Winds over the British Isles freshened from the west on the 23rd as a depression near Iceland deepened and moved east. Weather was generally fair with good sunny periods, but with scattered showers and these became frequent on the 24th and 25th falling as snow in parts of Scotland. By dawn on the 26th overnight fog and frost were again widespread and in some persistently foggy areas temperatures failed to rise above freezing all day.

On the 27th a depression over France brought a temporary renewal of north-easterly winds to southern England, but westerly winds, associated with a deep depression over Iceland, returned to the whole

country next day and weather was generally unsettled during the last two days of the month with rain at times and sleet or snow in the north.

Pressure and Wind — Mean pressure was generally above average except in southern England, the deviation at 9 hr ranging from +2.8 mb at Eskdalemuir to -0.8 mb at Shoeburyness. Surface winds were south-westerly at first becoming north-westerly on the 3rd and 4th and south-westerly again until the 8th. Two days of light variable winds preceded and followed a spell of north-easterlies on the 11th-16th, but thereafter winds were generally south-easterly until the 22nd and south-westerly for the remainder of the month. Wind reached gale force on 16 days in Scotland and on the 1st, 2nd, 11th-15th, 17th-20th, 22nd, 26th, 27th, 29th and 30th (16 days) in England and Wales. Gales were widespread on the 13th and 30th.

Temperature — Mean temperature was generally below the 1921-50 average, the deficit being 0.2°C in England and Wales, 0.6°C in Scotland and 0.4°C in Northern Ireland; it was below the average for the first time since January 1961 at a number of places in south-west England. At Ross-on-Wye it was the coldest November since 1952. There were cold periods around the 4th, 10th and 26th but the month began and ended with mild days.

Extremes included: (England and Wales) 17.7°C at Exeter on the 1st, -8.3°C at Caldecott on the 26th, (Scotland) 15.0°C at Dunbar, Scotland -12.2°C at Braemar on the 28th; (Northern Ireland) 15.0°C at Tollymore Park Forest, -5.3°C at Aldergrove.

Rainfall — The general precipitation expressed as a percentage of the 1916-50 average was 65 over England and Wales and also over Scotland and 81 over Northern Ireland. Less than 25 per cent of the average occurred around Lyme Bay, but the average was exceeded in the Folkestone area, around Cardigan Bay and over much of the Clyde Valley.

Thunder was heard in Scotland on 10 days and in England and Wales on the 2nd, 3rd, 8th-11th, 14th, 28th and 29th (9 days). Thunderstorms were widespread on the 10th and 28th and heavy in southern England on the 10th.

Snow or sleet occurred on 17 days in Scotland and was reported as covering the ground in places on 9 days. It occurred at one place or another in England and Wales on the 3rd, 4th, 8th, 9th, 11th, 24th, 25th, 27th, 28th, 29th (10 days) and was widespread in eastern England on the 4th.

Sunshine — The general sunshine expressed as a percentage of the 1921-50 average was 110 over England and Wales, 117 over Scotland and 93 over Northern Ireland. Sunshine was 133 per cent of the average in north-west England but below the average in the south-west. At Craibstone it was the sunniest November since records began in 1924. The 4th was an exceptionally sunny day the sunniest at Kew for any November day since records began.

Fog — In Scotland fog was frequent, occurring at one place or another on 25 days. In England and Wales it was reported every day of the month except the 3rd, 14th and 29th and was most prevalent from 6th to 10th and around the 22nd.

Miscellaneous Phenomena — Auroral displays were observed in Scotland on 13 nights.

MWR dup

TABLE I—DISTRICT VALUES— NOVEMBER 1961 (1908, revised 1928, 1941 and 1956)

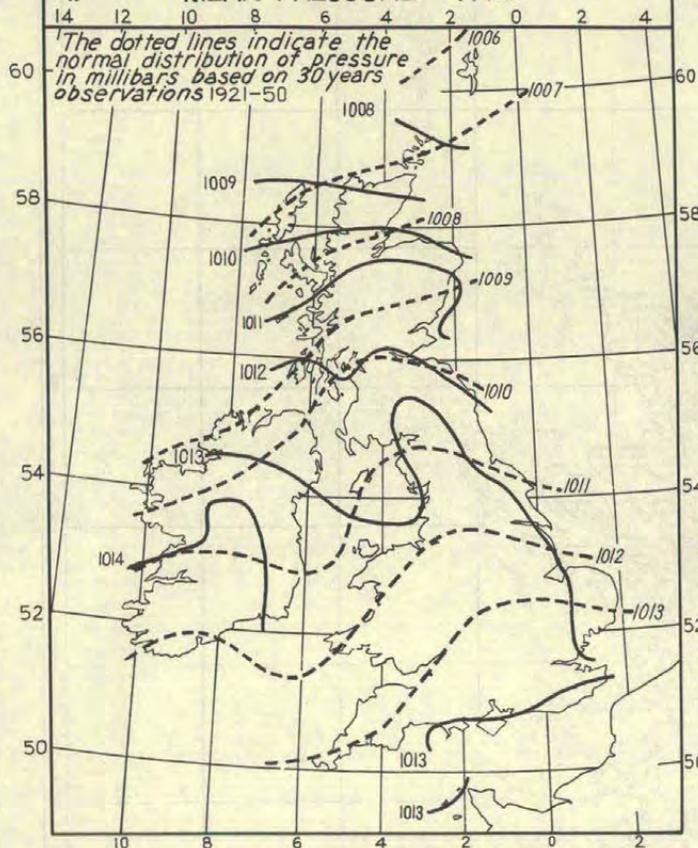
DISTRICTS	AIR TEMPERATURE						EARTH TEMPERATURE		RAINFALL		SUN-SHINE	DISTRICTS	AIR TEMPERATURE						EARTH TEMPERATURE		RAINFALL		SUN-SHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average	Highest		Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average		
			Max.	Min.	Mean									Max.	Min.	Mean							
0 SCOTLAND, N.	13.9	-12.0	-0.7	-1.2	-0.9	-	-	88	-3	119	5 ENGLAND, S.E.	17.2	-6.0	-0.4	-0.1	-0.2	-0.2	0.0	75	-1	108		
Eastern											Western												
1 SCOTLAND, E.	15.0	-12.2	-0.6	-0.4	-0.6	-	-	62	-3	117	6 SCOTLAND, W.	15.0	-6.0	-0.3	-0.2	-0.3	+0.2	+0.7	77	-1	115		
2 ENGLAND, N.E.	15.0	-5.6	-0.2	-0.4	-0.3	+0.3	+0.2	60	0	115	7 ENGLAND, N.W. (and N. Wales)	15.6	-5.0	0.0	+0.2	+0.1	+0.6	+1.0	74	-2	133		
3 ENGLAND, E.	16.7	-6.1	-0.1	-0.1	-0.1	+0.4	+0.3	81	-2	107	8 ENGLAND, S.W. (and S. Wales)	17.7	-5.0	-0.7	-0.2	-0.4	-0.2	0.0	49	-3	87		
4 MIDLAND COUNTIES	15.6	-8.3	-0.4	-0.3	-0.4	-0.1	+0.4	59	-2	108	NORTHERN IRELAND	15.0	-5.3	-0.4	-0.4	-0.4	-	-	65	-5	93		

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER 1961 (1914)

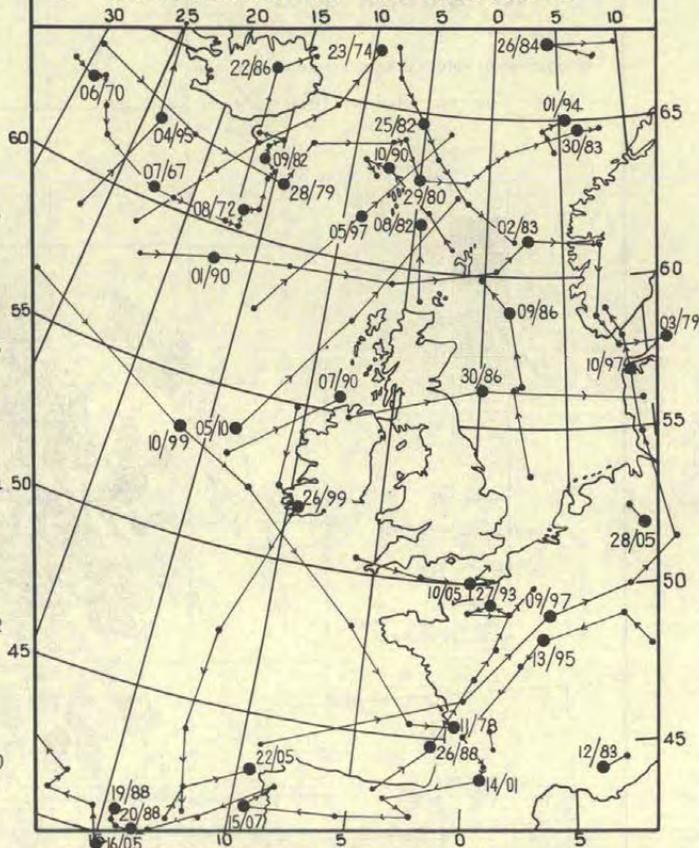
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed									Mean Hourly Wind Speed	Highest Velocities							
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust						
	ft.	ft.	ft.	Dates of Occurrence	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	knots		Speed	Hour ended at	Speed	Day and Time				
	ft.	ft.	ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°		kn	day hr.	kn	day h.m.				
SCOTLAND																					
0 Zetland	Lerwick	310	53	37	2, 23	6	18	147	257	247	63	0	13.3	220	42	23	21	63	23	2030	
Orkney	Kirkwall (Grimsetter)	135	51	33	-	0	8	69	266	267	118	0	10.8	350	32	2	15	55	3	1730	
Cathness	Dounreay	110	39	30	3	1	7	67	420	232	0	0	13.5	340	34	3	20	66	3	1600	
	Halkirk (Olgrinbeg)	272	40	40	-	0	2	21	210	337	101	1	8.9	330	26	2	15	49	3	1710	
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	1, 28	4	14	105	259	130	222	0	11.1	160	35	1	18	49	1	1835	
Inverness	Duirinish	125	65	55	-	0	10	69	189	255	207	0	9.3	190	30	1	21	55	28	2215	
	Benbecula	69	51	35	-	0	13	134	220	217	149	0	12.0	240	33	23	17	56	29	0850	
1 Moray	Lossiemouth	106	80	66	-	0	4	38	237	259	183	3	9.2	320	29	3	08	49	3	0355	
Aberdeen	Dyce	225	40	40	-	0	2	5	158	267	290	0	6.5	340	24	3	01	41	3	0040	
Angus	Bell Rock Lighthouse	128	131	124	2, 3, 23, 24, 29	14	19	251	296	107	52	0	17.6	260	40	2	02	51	2	0130	
Perth	Rannoch	1006	56	57	2	1	5	25	204	240	250	0	7.7	260	35	2	01	58	2	0040	
Fife	Leuchars	78	40	40	-	0	5	9	216	338	157	0	8.1	220	26	1	24	44	1	2350	
Midlothian	Edinburgh	485	39	23	-	0	4	9	251	267	193	0	8.3	210	27	1	23	48	1	2240	
6a Argyll	Tiree	89	60	47	-	0	14	172	280	142	126	0	13.8	270	33	29	11	59	29	1025	
Bute	Millport	50	34	34	-	0	6	33	301	202	166	18	10.3	200	27	1	18	48	29	1245	
Renfrew	Paisley	188	81	31	-	0	3	8	155	296	261	0	6.1	210	27	1	22	47	29	0510	
	Renfrew	71	41	39	-	0	6	17	251	320	132	0	9.2	270	25	29	16	48	29	1630	
Ayr	Prestwick Airport	35	33	33	*	0	6	17	251	320	132	0	9.2	270	25	29	16	48	29	1630	
Dumfries	Eskdalemuir	825	50	35	-	0	4	16	174	265	265	0	7.0	230	25	23	23	47	23	2220	
ENGLAND AND WALES																					
6b Isle of Man	Point of Ayre	70	40	35	-	0	14	108	379	204	29	0	13.9	220	32	1	23	48	1	2235	
2 Durham	Durham	389	53	33	-	0	2	4	198	307	201	10	7.6	320	22	3	11	43	24	1235	
	South Shields	73	57	44	-	0	3	19	206	352	143	0	8.5	050	20	13	15	38	12	0850	
Lincoln	Cranwell	288	47	47	-	0	4	24	203	340	153	0	8.7	250	30	30	12	48	30	1400	
3 Norfolk	Gorleston	45	33	33	*	0	2	18	192	353	157	0	8.2	250	28	30	11	48	30	0945	
Suffolk	Mildenhall	98	83	60	-	0	2	18	192	353	157	0	8.2	250	28	30	11	48	30	0945	
	Felixstowe	85	75	65	I	0	2	18	192	353	157	0	8.2	250	28	30	11	48	30	0945	
Bedford	Cardington	226	133	133	13, 30	18	11	90	300	237	75	0	13.2	230	44	30	13	60	30	1140	
Hertford	Rothamsted	461	41	33	-	0	1	1	159	421	139	0	7.2	250	22	30	13	44	30	1550	
	Stanstead Abbots	138	41	40	-	0	1	3	189	281	238	9	6.5	-	23	30	11	41	30	1015	
Essex	Coryton	66	57	48	-	0	1	4	222	442	37	15	9.2	030	23	13	16	43	13	1440	
	Shoeburyness	118	106	91	13	4	10	97	367	241	11	0	14.2	060	35	13	14	55	13	1320	
4 Yorks., W.R.	Sheffield	533	83	35	-	0	0	0	126	374	220	0	6.0	240	18	30	10	39	30	1145	
Warwick	Birmingham	643	118	73	-	0	1	1	205	461	53	0	8.6	040	22	13	13	42	13	1250	
Stafford	Keele	706	50	40	-	0	0	0	159	354	207	0	7.0	230	20	30	11	42	13	1620	
Gloucester	Avonmouth	92	61	33	-	0	7	62	168	250	167	73	9.3	210	30	30	17	47	13	1820	
5 London	Kingsway	208	143	41	-	0	0	0	184	467	69	0	8.1	230	21	30	11	48	30	1030	
Middlesex	London Airport	115	33	33	-	0	2	8	209	326	177	0	8.0	020	25	13	17	41	13	1130	
	Hampton	139	101	100	-	0	3	21	201	359	139	0	8.3	230	25	30	11	48	13	1150	
Surrey	Kew Observatory	92	75	50	-	0	2	13	191	376	140	0	8.2	030	24	13	15	46	13	1655	
	Gatwick	232	38	33	-	0	3	14	185	315	206	0	7.5	240	28	30	10	44	13	1750	
Kent	Isle of Grain	48	40	33	-	0	1	14	151	270	262	23	6.6	060	27	13	10	45	27	0720	
	Dungeness	70	50	33	*	0	1	14	151	270	262	23	6.6	060	27	13	10	45	27	0720	
	Dover	68	38	62	13, 27	12	10	99	323	248	38	0	13.9	040	36	13	17	54	13	1325	
Sussex	Thorney Island	75	65	42	-	0	1	13	224	310	173	0	8.2	230	25	30	18	47	30	1830	
Hampshire	Southampton (Eastleigh)	95	60	41	I	0	0	0	417	247	56	0	10.9	020	21	14	03	34	14	0210	
	Calshot	50	41	33	-	0	0	0	16	117	369	218	0	6.5	220	26	30	11	44	30	0710
	S. Farnborough	318	69	35	-	0	1	16	117	369	218	0	6.5	220	26	30	11	44	30	0710	
Berkshire	Abingdon	295	40	40	-	0	2	16	215	262	227	0	7.9	230	26	30	10	43	13	1405	
Wiltshire	Larkhill	491	51	36	-	0	4	36	199	351	134	0	9.3	020	30	13	12	51	13	1050	
	Porton	406	44	44	-	0	3	13	206	310	191	0	8.2	030	24	13	17	42	13	1700	
7a Cumberiand	Sellafield	83	39	35	-	0	9	82	250	317	55	16	11.8	240	30	24	15	47	24	3520	
	Spadeadam	959	51	40	-	0	6	38	262	265	155	0	9.5	220	30	1	24	48	1	2315	
Westmorland	Moor House	1960	50	45	2	1	13	75	272	149	199	24	10.8	270	34	2	04	52	1	0140	
Lancashire	Southport	59	41	33	2	2	6	59	215	298	144	2	9.9	280	34	2	18	48	2	1735	
	Speke	180	100	65	1	1	9	34	326	303	56	0	11.1	230	34	1	20	48	1	1910	
Cheshire	Bidston Observatory	262	64	39	-	0	5	30	196	364	119	11	-	260	29	30	13	53	30	1120	

MONTHLY WEATHER CHARTS NOVEMBER 1961

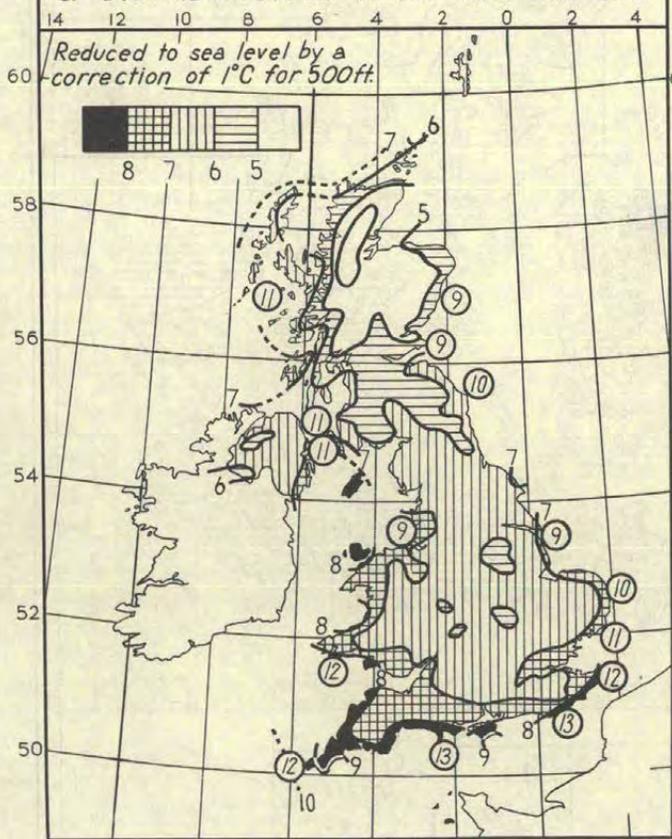
1. MEAN PRESSURE 9 A.M.



2. MOVEMENTS OF DEPRESSIONS

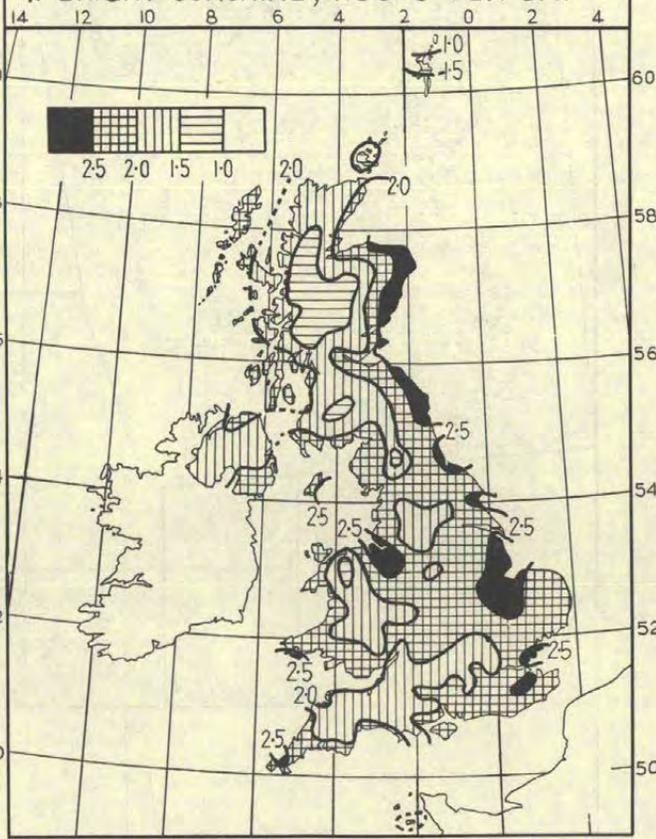


3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: ⑩

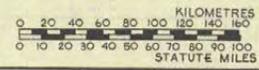
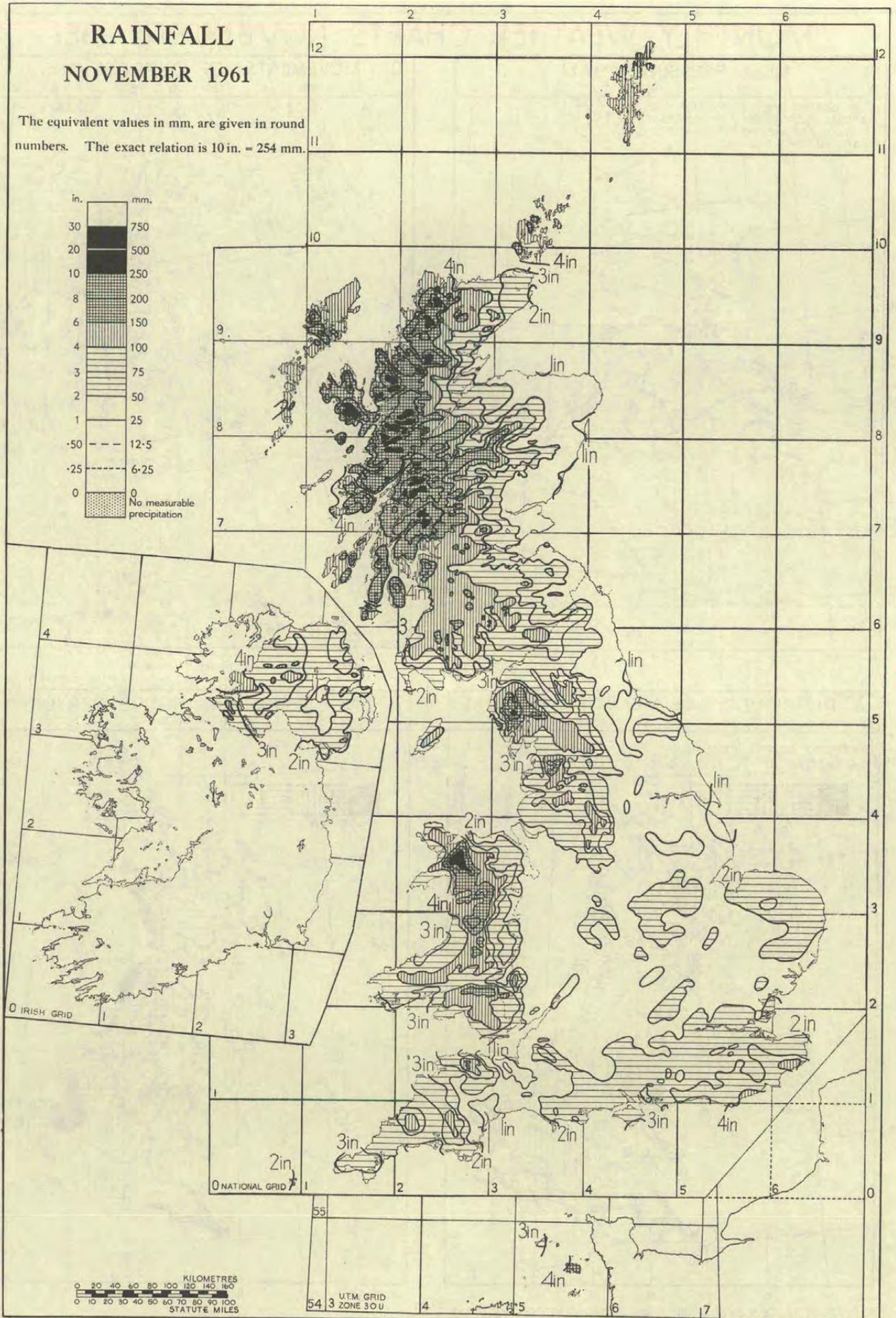
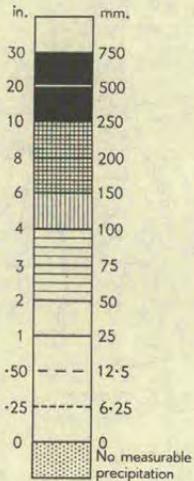
4. BRIGHT SUNSHINE, HOURS PER DAY



RAINFALL

NOVEMBER 1961

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



54 3 UTM GRID ZONE 30U 4 5 6 17

TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER										BRIGHT SUNSHINE						
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 8h.	Ice or snow pellets etc.	Thunder heard	Fog at 8h.	Air Frost	Glass min. (°C or less)	Gale	Daily Mean	Percentage of Average				
			A	B		Maximum	Date	Minimum	Date					Amount	Date	-0in. (0-2mm.) or more	-0in. (1-0mm.) or more														
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%			
0 SCOTLAND, N.																															
Zetland	Lerwick Obs'y. ¶	21-9	269	7.1	3.9	5.5	-0.1	10.4	5	-1.0	26	-	-	5.07	110	.92	1.	20	16	7	1	3	7	2	1	3	11	3	1.16	103	
	Baltsound ...	9 9	78	7.9	3.5	5.7	-	10.6	12	-0.6	26	6.8	-	4.96	97	.76	1	24	18	8	0	5	0	0	0	0	0	0	0	0.84	-
Orkney	Sule Skerry ...	9 9	43	8.7	6.0	7.3	-	12.5	5	2.0	3,25	-	-	4.82	-	.67	25	23	20	2	0	1	0	0	0	0	0	0	0	0	0
	Kirkwall (Grimsetter)	21-9	84	7.6	3.5	5.5	-	10.9	5	0.3	25	-	-	4.20	95	.79	25	23	16	8	0	10	0	0	0	0	0	12	2	1.69	-
Calthness	Dounreay ...	9 9	70	8.1	2.0	5.1	-	12.2	5	-2.8	22	-	-	2.87	-	.55	7	22	16	3	0	0	2	0	0	10	18	2	-	-	
	Halkirk (Olgrinbeg)	9 9	232	-	-	-	-	-	-	-	-	-	-	2.51	-	.54	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wick ... ¶	21-9	119	7.3	1.9	4.6	-1.5	11.1	5	-2.6	26	-	-	1.92	61	.60	7	17	11	4	0	0	5	0	1	9	21	1	2.39	137	
Sutherland	Cape Wrath ...	21-9	367	8.0	4.8	6.4	-	11.0	5	1.0	25,27	-	-	5.08	95	.78	1	24	20	5	0	3	0	0	1	0	7	0	-	-	
	Lairg (Achany) ...	9 9	240	6.3	-0.4	2.9	-	12.2	1,5	-6.7	11,27	4.8	8.0	3.64	-	.54	28	18	14	8	7	1	0	1	2	17	22	0	-	-	
	Strathy ...	9 9	120	7.5	1.1	4.3	-	11.7	5	-3.9	22	-	-	3.48	84	.55	7	23	20	11	5	0	4	0	1	13	-	0	1.77	-8	
Ross & Cromarty	Stornoway ¶	21-9	11	8.2	1.7	4.9	-1.7	12.0	5	-2.9	21	-	-	4.20	93	.63	1	22	18	4	0	3	6	0	0	13	21	0	2.05	131	
	Balmacara ...	9 9	2	8.9	3.3	6.1	-	12.8	1	-0.6	27	-	-	6.40	-	1.30	1	20	16	-	-	-	-	-	-	-	-	-	-	-	
	Achnashellach ...	9 9	220	7.5	1.3	4.4	-0.8	12.8	1	-2.2	21,26,28	-	-	7.55	94	1.02	2	19	16	7	3	1	1	1	1	14	-	-	-	-	
	Kinlochewe ...	9 9	76	7.9	1.8	4.9	-	13.3	1,7	-3.3	11	6.5	-	7.58	-	.95	2	21	19	6	3	3	0	2	0	10	21	0	1.32	-8	
	Garve (Blackbridge)	9 9	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fortrose ... ¶	9 9	15	7.7	3.6	5.7	-0.6	12.8	1	0.6	22,27	-	-	2.28	102	.61	7	15	11	0	0	0	0	0	0	0	0	0	1.95	108	
	Tarbatness ...	9 9	60	6.7	2.6	4.7	-	12.0	5	-2.5	21,25	-	-	1.17	-	.53	7	12	7	4	2	0	0	0	0	0	6	-	-	-	
Inverness	Benbecula ...	21-9	19	8.9	3.6	6.3	-	11.6	1	-1.4	12	-	-	4.28	85	.72	1	21	19	4	0	5	3	0	0	0	4	15	4	2.07	-
	Isle of Rhum ...	9 9	15	8.9	2.6	5.7	-	12.8	1	-1.1	21,27	6.8	9.8	9.37	-	1.53	1	23	18	3	1	1	8	2	0	8	20	5	-	-	
	Prabost ...	9 9	220	7.9	2.8	5.3	-	11.7	1	-1.1	25	-	-	7.40	-	1.36	1	23	20	5	2	0	9	1	0	3	23	3	1.91	-	
	Duntulm ...	9 9	294	8.6	3.8	6.2	-	11.1	15	0.6	25,26	-	-	5.29	94	.87	1	22	21	3	0	4	0	0	1	0	10	0	1.66	-8	
	Onich ... ¶	9 9	48	8.3	2.6	5.5	-0.8	12.8	1	-3.9	28	-	-	5.99	76	.82	2	20	19	0	0	4	0	0	1	5	19	1	1.57	118S	
	Fort William (Camaghael)	9 9	27	8.1	1.4	4.7	-	13.9	1	-5.6	28	5.5	7.9	5.37	-	.68	1	19	16	3	0	1	2	1	0	11	17	0	1.35	-8	
	Fort Augustus ...	9 9	70	6.7	1.2	3.9	-1.3	12.2	1	-3.9	11	-	-	4.79	-	.62	5	21	14	5	2	0	0	0	0	1	12	-	0	1.41	-8
	Cannich ...	9 9	350	5.4	-1.3	2.1	-	11.7	1,5	-8.9	27	-	-	4.83	107	.71	28	15	14	2	10	0	0	0	0	0	19	23	0	-	-
	Dalwhinnie ...	18-9	1176	4.9	-0.8	2.1	-	10.5	1	-12.0	27,28	-	-	4.17	83	1.09	7	15	13	5	8	0	0	0	0	0	16	23	0	1.27	-
	Inverness ...	9 9	13	7.7	2.1	4.9	-	12.8	1	-2.8	21	-	-	2.39	-	.54	7	13	10	1	1	0	0	0	2	12	19	0	1.76	-	
	Achnagoichan ...	9 9	1000	6.2	-0.2	3.0	-	12.2	1	-7.2	27,28	5.1	-	2.45	-	.63	7	17	15	-	-	-	-	-	-	-	-	-	-	-	
	Glennmore Lodge	9 9	1120	5.9	-0.8	2.5	-	12.6	1	-7.8	28	-	-	2.94	-	.81	7	19	16	10	-	-	-	-	1	18	22	0	1.13	-8	
1 SCOTLAND, E.																															
Nairn	Nairn ... ¶	9 9	20	7.5	1.4	4.5	-1.2	12.8	1	-3.9	21	-	-	2.06	94	.54	7	17	13	3	0	0	0	0	1	12	-	0	2.23	123	
	Grantown-on-Spey ...	9 9	720	6.6	-1.3	2.7	-	11.7	1	-9.4	28	-	-	1.81	-	.46	2	17	13	-	2	-	-	-	0	19	20	-	-	-	
	Forres ...	9 9	155	7.7	1.2	4.5	-	12.8	1,5	-3.9	22	4.9	7.8	1.68	79	.32	7	15	12	2	3	1	0	0	0	0	15	20	0	2.38	-
	Kinloss ...	21-9	15	7.8	1.3	4.5	-	13.2	5	-5.5	21	5.7	-	1.58	-	.35	7	16	12	4	0	2	1	0	1	14	18	0	2.17	-	
	Elgin ...	9 9	92	8.2	2.1	5.1	-	13.3	1,5	-3.3	22	-	-	1.38	-	.30	7	16	11	0	0	0	0	0	0	10	19	0	2.60	-	
	Lossiemouth ...	9 9	21	8.0	0.8	4.4	-	13.3	1	-4.4	20,21,22	-	-	1.30	-	.35	7	16	9	4	0	2	0	0	0	15	19	1	-	-	
	Gordon Castle ...	9 9	104	8.4	1.1	4.7	-1.0	13.3	5	-4.4	27	-	-	1.40	46	.43	2	16	8	-	-	-	-	-	-	-	-	2.54	144S		
Banff	Glenlivet ...	9 9	1085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aberdeen	Braemar ...	9 9	1113	5.9	-1.6	2.1	-1.2	11.1	1	-12.2	28	-	-	1.88	49	.72	7	14	9	-	8	-	-	-	0	21	24	-	1.19	-8	
	Balmoral ...	9 9	927	6.2	-1.4	2.4	-1.0	12.2	1,5	-11.7	28	-	-	1.49	45	.32	2	14	9	3	7	0	0	0	0	0	15	20	0	-	-
	Logie Coldstone ...	9 9	608	7.4	-0.7	3.3	-0.8	13.3	5	-7.8	11	-	-	1.14	-	.42	2	11	6	-	1	-	-	-	-	-	-	-	-	-	
	Huntly ...	9 9	405	7.4	1.1	4.3	-	13.0	1	-4.4	19,21	-	-	1.83	-	.61	2	15	10	3	1	2	0	0	0	18	20	0	-	-	
	Fyvie Castle ...	9 9	218	7.3	0.4	3.9	-	12.8	1,5	-5.0	11,27	-	-	1.36	-	.45	2	10	8	-	0	-	-	-	-	15	20	-	2.59	-8	
	Craibstone ¶	9 9	300	7.4	2.1	4.7	-0.5	12.8	1	-2.2	28	6.1	8.0	1.07	30	.28	7	10	6	1	1	0	0	0	0	10	18	1	2.92	136	
	Dyce ...	21-9	190	7.5	1.0	4.3	-	13.0	1	-4.2	20	-	-	.95	26	.26	7	10	6	2	0	0	3	0	0	14	19	0	2.85	-	
	Aberdeen ...	9 9	170	7.7	1.7	4.7	-	15.0	13	-5.0	28	-	-	1.10	32	.27	7	11	5	1	0	1	0	0	0	13	18	0	2.81	-8	
	Udny ...	9 9	363	7.4	1.3	4.3	-	12.2	1	-3.9	28	-	-	1.31	-	.28	7	12	11	1	0	0	1	0	0	12	25	0	3.26	-	
	Rattray Head ...	21-9	85	7.5	3.4	5.5	-	12.5	1	-2.2	28	-	-	1.33	43	.20															

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE			
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.1 in. or more)	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C or less	Gale	Daily Mean	Percentage of Average		
			A	B			Maximum	Date	Minimum	Date					Amount	Date														
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr.	%	
1 SCOTLAND, E.—cont.																														
Midlothian cont.																														
Penicuik ...	9 9	620	7.2	1.5	4.3	-	12.2	1	-3.9	28	5.7	-	3.74	-	.50	28	17	14	2	1	0	0	0	0	1	12	21	0	(2.00)	-8
Bush House ...	9 9	605	7.4	2.1	4.7	-	12.8	1	-3.9	28	5.7	8.1	3.60	-	.66	28	17	13	1	0	2	1	0	2	9	17	0	-	-	
Edinburgh—																														
Blackford Hill §	9 9	441	7.9	2.9	5.4	-0.6	13.9	1	(-2.8)	28	-	-	1.74	72	.32	28	14	12	3	0	0	0	0	2	5	15	0	2.16	104	
Liberton ...	9 9	200	8.4	2.3	5.3	-	13.9	1	-2.2	10, 12, 28	-	-	2.07	-	.46	28	13	13	1	1	0	0	0	0	3	9	13	0	1.92	-
Botanic Garden	9 9	74	8.4	2.3	5.3	-	13.9	1	-3.3	28	6.1	-	2.05	-	.50	24	14	10	1	0	0	1	0	1	6	19	0	2.07	-	
E. Lothian																														
Haddington ...	9 9	162	8.5	2.0	5.3	-	13.9	1	-3.9	28	-	-	1.71	-	.32	28	18	14	3	0	0	0	1	0	1	11	15	0	2.03	-
North Berwick ...	9 9	51	9.1	3.7	6.4	+0.4	13.9	1, 6	-0.6	28	-	-	2.10	90	.38	23	19	13	1	0	0	0	0	1	1	-	0	2.28	133	
Dunbar ...	9 9	75	8.9	4.1	6.5	-	15.0	1	-0.6	28	-	-	1.28	-	.25	28	16	11	1	0	0	0	0	0	1	8	0	2.79	-	
Berwick																														
Marchmont §	9 9	498	7.4	2.0	4.7	-0.4	12.2	1	-3.3	28	-	-	2.02	68	.58	28	18	11	2	1	0	0	0	1	9	-	0	1.88	1138	
St. Abb's Head ...	9 9	245	7.8	4.9	6.3	-	13.4	1	-0.6	28	-	-	1.03	-	.17	29	15	8	1	0	0	0	0	0	1	3	2	-	-	
Peebles																														
Broughton ...	9 9	741	7.2	1.4	4.3	-	12.8	1	-0.6	11	-	-	4.01	-	.79	28	16	14	2	2	2	0	0	0	0	11	18	0	-	-
Blyth Bridge ...	9 9	830	6.9	1.4	4.1	-	12.8	1	-3.9	9, 11, 28	-	-	3.22	-	.63	28	16	13	4	2	0	0	0	1	10	21	0	1.88	-	
West Linton ...	9 9	800	7.0	1.0	4.0	-	12.2	1	-5.6	10	4.3	7.8	3.91	-	.68	28	21	15	2	1	0	0	0	1	12	20	0	-	-	
Peebles ...	9 9	645	7.5	1.2	4.3	-	13.3	1, 2	-5.0	11	-	-	2.49	-	.60	28	13	11	4	2	0	0	0	2	10	23	0	1.48	-8	
Peebles (Glentress)	9 9	580	7.7	1.4	4.5	-	13.3	1, 2	-5.6	28	-	-	2.51	-	.54	28	15	13	4	1	0	0	0	0	10	-	0	-	-	
Selkirk																														
Selkirk (Bowhill)	9 9	600	7.2	1.6	4.4	-	12.2	1	-4.4	11, 28	-	-	2.89	-	.69	28	18	13	4	0	1	0	1	4	9	-	0	-	-	
Roxburgh																														
Hawick (Wauchope)	9 9	560	8.3	1.4	4.9	-	12.8	1	-4.4	28	-	-	2.18	-	.31	29	19	12	-	0	-	-	-	0	11	-	-	-	-	
Sourhope ...	9 9	900	7.1	2.1	4.6	-	12.8	1	-3.3	28	-	-	2.74	-	.47	11	20	13	1	1	0	0	0	0	6	20	0	2.12	-	
6a SCOTLAND, W.																														
Argyll																														
Tiree ... §	21-9	29	9.2	4.4	6.8	-0.6	12.2	1	-1.0	27	-	-	3.36	72	.41	1	22	17	0	0	0	8	0	0	1	13	0	2.23	128	
Rhuvaal ...	21-9	65	9.2	5.7	7.5	-	12.9	1	1.6	28	-	-	4.48	-	.61	22	23	17	1	0	5	0	0	0	0	2	0	-	-	
Colonsay ...	9 9	87	9.2	3.5	6.3	-	12.2	1	-1.7	11, 12, 28	-	-	4.55	80	.41	22	26	22	4	-	9	0	0	2	4	-	1	-	-	
Campbeltown ...	9 9	10	9.5	3.8	6.7	-	13.9	1	-1.1	28	-	-	3.01	-	.41	9	16	13	-	0	-	-	-	2	-	-	2.09	-		
Tarbert (Achaglachgach) §	9 9	40	9.2	2.4	5.8	-	12.8	1	-2.8	12, 27, 28	-	-	6.91	-	.89	23	21	17	0	0	0	0	0	0	6	22	0	-	-	
Oban ...	9 9	229	8.6	3.9	6.3	-	12.8	1, 3	0.0	27, 28	-	-	6.05	101	.90	22	19	15	0	0	1	0	0	0	2	11	0	1.55	1058	
Lephinmore ...	9 9	30	8.4	2.9	5.7	-	12.8	1	-1.1	11, 27, 28	-	-	5.12	-	.55	7, 22	20	16	0	0	3	0	1	2	5	18	0	2.09	-8	
Glenbranter ...	9 9	129	7.1	1.2	4.1	-1.2	12.8	1	-3.9	27, 28	-	-	9.21	94	1.43	29	19	17	-	2	-	-	-	0	11	-	-	-		
Benmore (Forestry Sch.)	9 9	46	8.1	1.3	4.7	-	13.3	1	-2.2	12, 28	5.6	8.0	7.97	82	1.10	23	19	16	1	0	4	0	0	4	16	22	0	-	-	
Benmore (Younger Bot. Gdn.)	9 9	40	8.1	2.4	5.3	-	13.9	1	-3.3	28	-	-	8.08	-	1.06	23, 28	19	17	1	0	1	3	0	3	8	21	0	-	-	
Bute																														
Lochranna ...	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rothesay §	9 9	150	8.5	4.0	6.3	-0.3	13.9	1	0.0	28	6.4	8.6	5.09	87	.75	5	22	16	0	0	4	0	0	1	1	15	1	2.00	120	
Millport ...	9 9	16	9.3	4.9	7.1	-	12.8	1	1.1	28	-	-	4.59	98	.76	7	16	12	2	0	1	0	0	0	0	-	5	-	-	
Dunbarton																														
Helensburgh ...	9 9	283	7.5	2.4	4.9	-0.9	12.2	1	-2.2	27	-	-	5.03	86	.70	7, 23	18	16	0	0	0	0	0	0	2	7	-	0	-	
Stirling ...	9 9	151	7.6	2.7	5.1	-0.5	13.3	1	-2.2	10, 28	5.2	9.9	3.77	100	.98	7	18	11	2	0	0	0	0	0	3	6	18	0	-	
Falkirk ...	9 9	100	8.1	2.2	5.1	-	13.3	1	-3.3	28	-	-	3.35	-	.56	28	16	14	1	1	1	0	2	9	9	-	0	-		
Renfrew																														
Greenock ...	9 9	200	8.2	3.4	5.8	-0.6	12.8	1	-1.1	28	-	-	5.69	86	.89	7	18	15	1	0	2	0	0	4	3	13	0	1.40	-8	
Paisley ...	9 9	106	8.1	2.9	5.5	-0.7	13.3	1	-2.2	28	7.1	9.9	4.48	100	.82	7	16	13	0	0	1	0	0	11	7	18	0	1.62	117	
Barrhead ...	9 9	97	8.1	1.7	4.9	-	13.9	1	-4.4	28	-	-	4.46	-	.84	23	17	13	0	0	2	0	0	8	10	16	0	-	-	
Renfrew ... §	21-9	26	8.3	2.5	5.4	-0.2	13.6	1	-4.6	28	-	-	4.01	97	.77	7	18	11	2	0	4	0	1	7	10	16	0	1.64	113	
Lanark																														
Thorntonhall ...	9 9	453	7.4	1.8	4.6	-	12.8	1	-3.3	28	-	-	4.80	-	.79	28	15	14	0	0	0	0	0	0	-	11	22	0	-	
Glasgow, Spr. Pk.	9 9	351</																												

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min.	Height of Station above Mean Sea Level ft.	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Per- centage of Average	Most in a day		Precip'n -0.01 in. (0.2 mm.) or more	-0.01 in. (0.2 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets, etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. (°C or less)	Gale	Body Mean	Per- centage of Average		
			A	B			Maximum	Date	Minimum	Date					Amount	Date															
			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.												hr	%		
4 MIDLAND COUNTIES—cont.																															
Yorks.		9 9	315	8.6	3.3	5.9	+0.2	13.9	1	2.2	27,28	-	-	1.99	52	.75	29	14	14	0	0	0	0	0	0	2	6	-	0	2.03	130
W. Riding—		9 9	429	8.7	4.1	6.4	-0.2	13.9	1	-0.5	28	6.9	10.1	1.66	52	.56	29	15	11	0	0	0	0	0	0	1	15	0	1.78	116	
cont.		9 9	121	9.3	3.1	6.2	0.0	15.6	1	-3.3	27	7.4	9.7	1.39	54	.50	29	12	7	0	0	0	0	0	9	6	16	0	-	-	
		9 9	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9 9	255	8.8	3.2	6.0	-0.1	15.0	1	-2.2	10	-	-	1.14	49	.37	29	16	8	0	0	0	0	0	1	13	5	12	0	-	-
		9 9	177	8.6	2.7	5.7	-	14.4	1	-3.3	10	-	-	1.34	-	.46	29	15	9	0	0	0	0	1	0	5	6	12	0	1.94	-
		9 9	20	8.7	2.3	5.5	-	15.0	1	-2.8	10,28	6.2	9.2	.97	41	.39	29	12	5	0	0	0	0	0	6	6	8	12	0	1.80	-
		9 9	110	8.9	2.6	5.7	-	15.0	1	-3.3	9	-	-	1.33	53	.39	11	14	8	0	0	0	0	0	0	9	9	16	0	1.89	-
Derby		9 9	1007	6.2	2.2	4.5	-0.4	12.2	1	-3.3	10,28	5.6	8.2	3.94	79	1.32	29	17	12	0	0	0	0	0	6	8	8	0	-	-	
		9 9	732	7.8	2.2	5.0	-	13.3	1	-3.9	28	-	-	3.42	-	1.17	29	14	13	0	0	0	0	0	3	9	16	0	-	-	
		9 9	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9 9	293	8.8	2.5	5.7	-	13.9	1	-2.8	10,27,28	-	-	1.42	-	.25	29	13	9	0	0	0	0	0	5	7	14	1	-	-	
		9 9	203	9.3	2.6	5.9	-0.1	14.4	1	-3.3	26	-	-	1.52	52	.41	29	12	11	0	0	0	0	0	0	8	-	0	-	-	
		9 9	159	9.6	2.8	6.2	-	14.4	1	-3.3	26	-	-	1.38	-	.26	29	11	8	0	0	0	0	0	13	8	-	0	1.81	-	
		9 9	350	8.4	2.2	5.3	-	13.3	1	-3.9	10	-	-	1.45	-	.31	29	12	9	0	0	0	0	0	0	8	16	0	2.16	-S	
		9 9	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nottingham		9 9	157	9.2	2.4	5.8	-0.3	14.4	1	-3.3	10,26	7.4	9.6	1.76	80	.44	10	13	10	0	0	0	0	0	6	9	16	0	2.00	112	
		21-9	385	8.6	2.7	5.7	-	14.1	1	-3.2	10	-	-	1.58	59	.45	29	12	10	0	0	0	0	0	7	6	14	0	2.16	-	
		9 9	362	8.4	2.9	5.7	-0.2	13.9	1	-2.2	11	6.5	-	1.67	59	.50	29	15	12	0	0	0	0	0	10	5	14	0	-	-	
		9 9	192	9.2	3.4	6.3	-0.1	14.4	1	-1.7	10	6.3	9.3	1.46	63	.33	29	12	9	0	0	0	0	0	0	6	5	10	0	2.02	120
		9 9	150	8.8	1.6	5.2	-	13.9	1	-3.9	27	-	-	1.29	54	.38	29	12	7	0	0	0	0	0	8	12	19	0	2.30	-	
		21-9	34	8.7	3.3	6.0	-	14.7	1	-3.6	10	-	-	1.28	-	.25	10	14	9	0	0	0	0	1	5	7	12	0	2.10	-S	
		21-9	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Leicester		9 9	388	8.4	2.1	5.3	-	13.9	1,2	-4.4	26	-	-	2.17	-	.69	10	17	11	0	0	0	0	0	3	8	13	0	2.29	-	
		9 9	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9 9	175	8.8	1.7	5.3	-	15.0	1	-8.3	26	-	-	1.73	-	.87	10	10	9	-	-	-	-	-	3	12	12	-	1.97	-	
Northampton		9 9	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9 9	193	9.0	2.1	5.5	-	15.0	1	-5.6	26	7.2	10.9	1.78	77	.59	10	13	10	0	0	0	0	0	4	10	12	0	-	-	
		21-9	212	8.5	3.6	6.1	-	14.4	1	-3.5	26	-	-	1.91	-	.81	10	17	8	0	0	0	0	0	2	5	11	0	2.58	-	
Warwick		9 9	450	8.6	3.5	6.1	-	14.4	1	-1.7	26,28	-	-	1.82	-	.48	11	15	12	0	0	0	0	0	4	6	-	0	-	-	
		21-9	536	8.0	4.0	6.0	-0.3	13.7	1	-1.0	28	7.8	10.3	2.19	69	.45	11	17	14	1	0	0	0	0	4	2	9	0	2.16	132	
		9 9	138	9.1	2.1	5.6	-	15.0	1	-5.0	26	-	-	1.21	54	.29	10	13	9	0	0	0	1	0	1	10	16	0	2.16	-	
		9 9	160	9.2	1.8	5.5	-	15.6	1	-5.6	26	7.2	-	1.41	-	.37	10	13	9	0	0	0	0	0	1	11	19	0	2.16	-	
		21-9	319	8.2	3.1	5.7	-	14.1	1	-4.5	26	-	-	1.79	67	.42	10	15	10	0	0	0	0	0	6	6	12	0	2.08	-	
		9 9	365	8.6	2.1	5.3	-	15.6	1	-3.3	26	7.6	-	1.29	-	.23	2	14	9	0	0	0	0	0	3	11	18	-	2.21	-S	
		9 9	153	9.1	2.0	5.5	-	14.4	1	-5.0	26	7.1	9.6	1.22	50	.28	10	13	8	0	0	0	0	0	4	12	15	1	2.19	-	
		9 9	280	8.9	2.6	5.7	-	15.0	1	-3.9	26	-	-	1.30	-	.30	10	13	8	0	0	0	0	0	1	9	17	1	2.24	-S	
		9 9	338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oxford		9 9	385	8.6	2.7	5.7	-	14.4	1	-3.9	26	6.4	9.9	2.17	-	.55	10	14	11	0	0	0	0	0	-	6	13	1	-	-	
		9 9	208	9.2	3.1	6.1	-0.6	15.6	1	-2.8	26,27	7.1	10.1	1.44	56	.31	10	15	9	0	0	1	0	0	4	8	17	0	2.11	102	
Buckingham		9 9	316	8.8	2.3	5.5	-	15.6	1	-5.0	26	-	-	1.65	-	.49	10	11	9	0	0	0	0	0	6	11	16	2	1.95	-	
Stafford		9 9	587	8.5	2.9	5.7	-	13.3	1	-2.2	10,28	6.4	9.7	1.50	48	.41	30	13	6	2	0	0	1	0	3	5	11	0	2.56	-	
		9 9	409	8.6	1.9	5.3	-0.6	13.3	1,30	-5.6	28	6.8	-	1.37	-	.26	30	14	12	-	-	-	-	-	8	-	-	-	-		
		9 9	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9 9	350	8.7	2.2	5.5	-	13.9	1	-5.0	28	-	-	1.35	-	.32	30	10	7	0	0	0	0	0	6	8	15	0	2.06	-S	
		9 9	330	8.6	2.1	5.3	-	13.3	1	-5.0	28	-	-	1.33	-	.35	1	11	10	0	0	0	0	0	2	8	12	0	-	-	
Shropshire		9 9	1350	6.2	1.7	3.9	-	11.1	1	-2.8	4	5.2	8.4	2.53	-	.69	29	13	13	0	0	0	0	0	6	10	12	0	2.42	-	
		9 9	570	8.9	3.3	6.1	-	13.3	1	0.0	10,26,28	-	-	2.14	-	.47	29	12	11	0	0	1	0	0	2	4	12	0	2.33		

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation		AIR TEMPERATURE IN DEGREES CELSIUS							EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE				
	Max. Mfn.	Height of Station above Mean Sea Level	Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. (°C. or less)	Gale	Daily Mean	Percentage of Average	
			A Max.	B Min.			Maximum	Date	Minimum	Date					Amount	Date	-0.1in. (0.2mm.) or more	-0.01in. (0.25mm.) or more												
	G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.										hr	%	
7a ENGLAND, N.W.																														
Cumberland	Sellafield...	9 9	43	10.2	4.1	7.1	-	12.8	1,5,6	-2.2	4	-	-	2.75	62	.68	29	14	13	-	0	-	-	-	0	4	11	-	2.32	-
	Carlisle ...	21-9	86	8.7	3.7	6.2	-	14.6	1	-2.7	11,28	-	-	2.48	-	.51	29	17	12	0	0	3	0	0	0	6	9	0	2.25	-
Westmorland	Newton Rigg ¶§	9 9	560	8.6	2.3	5.5	+0.3	13.9	1	4.4	11	6.1	-	2.05	61	.38	29	19	11	0	0	-	-	2	7	15	-	2.06	1198	
	Spadeadam ...	9 9	900	6.6	1.8	4.2	-	12.2	1	-3.3	4,28	4.9	7.3	3.47	-	.86	29	21	15	1	0	0	3	0	3	9	15	0	1.79	-
Lancashire	Ambleside ...	9 9	151	9.1	3.6	6.3	-	13.3	1,2	-3.3	21	-	-	5.29	65	.86	29	19	15	0	0	2	0	0	0	6	-	1.24	-8	
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	-		
	Moor House ...	9 9	1840	5.2	0.5	2.9	-	10.0	1,22	-6.1	28	4.6	-	6.25	-	.93	29	22	15	-	4	-	-	-	13	18	-	1.57	-	
	Barrow-in-Furness	9 9	55	9.7	5.1	7.4	-	13.3	1	0.0	11	9.1	-	3.44	-	1.16	29	19	16	-	0	-	-	-	6	1	-	-	-	
	Squires Gate ...	21-9	33	9.2	4.7	6.9	-	13.6	1	-3.3	27	-	-	2.61	77	.79	29	19	12	1	0	1	0	0	2	6	9	3	2.14	-
	Urswick ...	9 9	130	9.4	3.7	6.5	-	13.9	1	-1.1	27,28	-	-	3.32	-	1.22	29	17	12	0	0	0	0	0	3	5	-	1	-	
	Poulton-le-Fylde	9 9	38	9.3	4.0	6.7	-	13.9	1	-1.7	11,28	-	-	3.23	-	1.12	29	18	12	0	0	0	0	0	3	4	-	-	-	
	Gizedale ...	9 9	300	8.9	2.4	5.7	-	12.8	1	-3.3	21	7.3	-	4.92	-	1.38	29	17	14	0	0	0	0	0	0	9	16	0	-	-
	Speke ...	21-9	80	9.3	4.5	6.9	-	14.7	1	-1.4	9	-	-	1.67	57	.68	29	12	10	0	0	0	3	0	1	3	7	0	2.19	-
	Kirkham... ..	9 9	77	-	3.9	-	-	-	14.4	1	-2.8	27,28	-	-	3.17	86	1.00	9	15	12	1	0	0	0	0	4	5	12	0	2.07
Cheshire	Garstang... ..	9 9	68	9.3	3.7	6.5	-	13.9	1	-1.7	11,27	-	-	2.88	-	1.02	29	15	13	-	0	-	-	-	0	15	12	-	2.21	-
	Morecambe ...	9 9	24	9.3	4.4	6.9	+0.3	12.8	1	0.6	27	-	-	2.52	65	.76	29	17	12	0	0	0	0	0	0	0	-	1.80	93	
	Preston (Moor Pk.)	9 9	108	9.4	4.2	6.8	-	15.0	1	-1.7	27,28	-	-	3.15	81	1.14	29	14	13	0	0	0	2	0	4	4	9	0	-	-
	Bolton	9 9	352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Darwen	9 9	724	-	3.1	-	-	-	-	-1.1	28	6.6	8.4	4.27	75	1.71	29	17	12	1	0	0	0	0	0	5	-	0	-	-
	Stonyhurst ¶§	9 9	377	8.9	3.7	6.3	+0.4	13.9	1	-0.6	10,11,28	-	-	4.01	85	1.52	29	17	13	-	0	-	-	-	4	5	9	-	2.08	125
	Manchester Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.68	-	
	Helmsshore ...	9 9	854	7.5	3.2	5.3	-	11.7	1	-1.1	10	6.3	-	4.69	-	1.61	29	15	12	-	0	-	-	-	4	2	12	-	2.15	-
	Manchester (Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.37	-	
	Burnley	9 9	655	7.9	3.1	5.5	-	13.3	1	-2.2	10,28	7.4	8.0	3.44	-	1.33	29	16	10	0	0	0	0	0	0	0	6	13	0	2.03
Westmorland	Nelson	9 9	540	7.9	3.3	5.6	-	13.9	1	-2.2	10	6.6	9.4	3.77	82	1.36	29	21	11	-	0	-	-	-	2	5	11	0	1.65	-8
	Rochdale	9 9	362	8.4	3.1	5.7	-	12.8	1	-2.2	26,27,28	-	-	3.42	-	1.58	29	16	11	0	0	0	1	7	7	13	0	1.32	-	
	West Kirby Park	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Bidston Obs'y. ¶§	9 9	198	9.1	5.0	7.1	+0.2	14.4	1	0.0	10	-	-	1.66	60	.73	29	12	11	-	-	-	-	3	1	5	-	2.62	138	
	Northwich (Winnington)	9 9	65	9.7	3.7	6.7	-	14.4	1	-3.9	28	-	-	1.93	66	.80	29	13	11	0	0	0	0	0	3	5	11	0	-	-
	Manchester Airport ¶§	21-9	248	8.7	3.7	6.2	0.0	13.7	1	-3.6	28	-	-	1.97	65	.98	29	15	7	0	0	0	0	0	2	3	10	0	2.44	176
Macclesfield ...	9 9	500	8.2	3.2	5.7	+0.1	12.2	30	-2.8	28	-	-	2.59	76	.95	29	14	12	3	0	0	1	0	6	6	-	1	-	-	
7b NORTH WALES																														
Flint	Rhyl	9 9	31	10.2	4.6	7.4	-0.2	15.0	1	-3.3	27	-	-	1.83	71	.66	29	13	10	0	0	2	1	1	0	4	6	0	2.02	107
	Prestatyn	9 9	12	10.1	4.9	7.5	-	15.0	1	-2.8	27	-	-	1.82	66	.68	29	13	9	0	0	0	0	0	0	0	3	-	0	-
Anglesey	Hawarden Bridge	9 9	17	10.1	3.6	6.9	0.0	15.0	1	-3.9	28	-	-	1.60	58	.49	29	11	8	0	0	1	0	0	0	5	8	-	0	-
	Holyhead (Valley)	21-9	26	10.1	6.2	8.1	-0.5	13.6	1	1.8	27	-	-	4.11	114	.62	29	19	17	0	0	2	0	1	0	0	4	2	2.46	123
Denbigh	Colwyn Bay ...	9 9	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Alwen	9 9	1100	7.3	1.3	4.3	-	12.2	1	-4.4	10	-	-	3.88	-	1.21	29	15	12	-	-	-	-	-	8	17	-	-	-	
Caernarvon	Ruthin	9 9	248	9.7	3.2	6.5	-	14.4	1	-3.3	27	-	-	2.20	-	.79	29	12	10	-	0	-	-	-	0	5	-	-	-	
	Bwlchgwyn ...	9 9	1287	6.8	2.3	4.5	-	12.2	1	-1.7	28	6.2	-	2.74	-	.57	29	14	14	0	0	0	0	0	3	4	13	0	-	-
	Ruabon	9 9	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wrexham	9 9	275	9.6	3.3	6.5	-	14.4	1	-2.2	10,28	7.2	9.7	1.69	-	.42	2	15	11	0	0	2	0	1	2	7	16	0	-	-
	Bardsey Island ...	21-9	60	10.4	6.5	8.5	-	13.7	1	2.6	28	-	-	3.30	-	.37	7	17	16	-	-	-	-	-	0	0	2	-	-	
	Botwnnog	9 9	112	10.1	4.9	7.5	-	13.3	1,5	1.1	27	7.9	10.7	3.02	-	.56	29	17	15	0	0	1	0	1	0	0	7	1	2.50	-
	Bryn Adda	9 9	275	9.9	4.9	7.4	-	13.3	1,21	1.7	10,11	-	-	4.80	-	1.41	29	15	13	0	0	0	3	1	0	0	12	0	2.08	-
	Cwm Dylly	9 9	324	9.3	4.6	6.9	-	12.8	1	0.0	9,10	8.3	-	11.83	-	2.60	29	19	16	-	0	-	-	-	1	2	9	-	-	
	Aber	9 9	60	10.2	5.2	7.7	-0.4	15.6	1	1.1	28	-	-	4.62	106	1.44	29	16	14	0	0	2	0	0	0	0	5	1	1.30	978
	Llandudno ¶§	9 9	13	10.1	5.7	7.9	-0.3	16.1	1	-2.2	27	-	-	2.86	100	.93	29	15	13	0	0	1	0	0	0	1	-	1	1.99	109
Merioneth	Llyn Stwlán ...	9 9	1656	5.8	2.3	4.1	-	10.6	1	0.0	11,28	-	-	9.86	-	2.50	29	19	17	-	0	-	-	-	-	2	13	-	-	
	Blaenau Ffestiniog	9 9	750	8.8	4.5	6.7	-	12.2	1	1.7</																				

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER										BRIGHT SUNSHINE					
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Number of days								Daily Mean	Percentage of Average			
			A	B		Maximum	Date	Minimum	Date					Amount	Date	-0 in. (0-2mm.) or more	-0 in. (1-0mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C. or less			Gale		
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.											hr	%			
8b ENGLAND, S.W.																														
Somerset	Hawkridge (Liscombe)	9 9	1030	7.5	3.2	5.3	-	11.1	1	-3.9	26	-	-	4.33	-	1.55	30	19	15	-	0	-	-	-	2	3	9	-	-	-
	Cannington ...	9 9	95	9.6	4.3	6.9	-	15.6	1	-3.9	26	8.6	-	.89	28	.16	7	13	9	0	0	0	0	0	2	3	10	0	1.84	-
	Weston-s.-Mare ...	9 9	28	9.9	4.6	7.3	-	15.6	1	-2.8	26	-	-	1.78	54	.35	8	14	12	0	0	0	0	0	2	5	11	1	1.98	96
	Long Ashton ...	9 9	182	9.4	3.5	6.5	-0.6	15.0	1	-2.8	26,27	8.6	-	1.61	44	.48	30	18	9	0	0	0	0	0	2	5	14	0	1.92	101
	Bath (City)																													
	Boys' School)	9 9	388	9.2	3.5	6.3	-	15.0	1	-2.8	26	-	-	1.36	-	.39	24	10	8	0	0	0	0	0	1	4	-	0	-	-
	Bath ...	9 9	67	9.6	3.3	6.5	-0.6	16.1	1	-2.2	24,27,28	7.8	10.8	1.54	49	.60	30	14	8	0	0	0	0	0	3	6	12	0	1.54	808
Dorset	Portland Bill ...	21-9	35	10.6	7.4	9.0	-0.4	14.6	1	2.5	28	-	-	1.75	54	.60	9	14	9	0	0	0	0	1	0	0	-	-	-	-
	Weymouth ...	9 9	16	10.8	5.6	8.2	-0.4	15.0	1	1.7	24	-	-	2.08	55	.72	9	14	9	-	0	-	-	-	0	2	2	-	2.21	91
	Shaftesbury ...	9 9	680	8.3	3.2	5.7	-0.7	13.9	1	-2.2	28	-	-	2.00	54	.46	6	13	10	-	0	-	-	3	3	3	-	-	-	-
	Swanage ...	9 9	37	10.6	5.5	8.1	-	14.4	1	-1.7	24	-	13.0	2.67	-	.72	9	14	7	1	-	0	0	0	3	3	3	7	1.83	-
	Poole ...	9 9	18	10.4	4.1	7.3	-	15.0	1	-2.8	24,28	-	-	2.76	-	.88	9	13	9	0	0	0	0	1	5	-	0	2.14	-	
Devon	Hartland Pt. ...	21-9	298	9.5	7.0	8.3	-	13.4	1	2.8	26	-	-	3.11	-	1.00	9	17	12	0	0	0	1	1	0	0	0	4	1.87	-
	Plymouth (Mt. Batten)	21-9	87	10.5	5.6	8.1	-0.7	14.0	1,2	-0.6	26	-	-	2.06	46	.52	7	15	12	0	0	1	0	0	0	1	7	1	2.31	98
	Plymouth (The Hoe)	9 9	119	10.9	5.8	8.3	-0.4	15.0	30	1.1	26	8.9	11.8	1.75	39	.32	7	17	13	0	0	0	0	2	0	11	1	2.37	100	
	Tavistock ...	9 9	457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Chivenor ...	21-9	20	10.3	6.2	8.3	-	15.0	1	-0.1	28	-	-	2.13	-	.42	9	17	13	0	0	1	0	1	1	3	0	2.18	-	
	Ilfracombe ...	9 9	25	10.5	6.9	8.7	-0.5	14.4	1	3.9	26,29	8.9	11.8	3.32	77	.92	9	16	12	0	0	0	0	0	0	1	2	1.98	104	
	Princetown ...	9 9	1359	-	-	-	-	-	-	-	-	-	-	4.78	47	.79	30	18	15	-	-	-	-	-	-	-	-	-	-	
	Totnes ...	9 9	120	10.5	4.0	7.3	-	14.4	1	-3.9	26	9.4	11.9	2.28	40	.43	30	16	12	0	0	0	0	1	0	6	13	1	1.96	-
	Slapton ...	9 9	104	10.7	5.8	8.3	-	13.9	1	1.7	28	-	-	2.74	-	.62	6	16	11	0	0	0	0	0	0	0	7	1	-	-
	Newton Abbot ...	9 9	272	10.2	4.7	7.5	-0.2	16.1	1	-1.1	26	-	-	1.64	34	.41	7	16	11	0	0	0	0	1	2	8	0	1.90	80	
	Paignton ...	9 9	8	11.0	5.4	8.2	-	15.0	1	0.0	26	-	-	1.38	29	.26	7	16	10	0	0	0	0	0	1	10	1	1.81	77	
	Torquay ...	9 9	26	10.7	5.9	8.3	-0.3	15.0	1	1.1	26,28	-	11.6	1.23	29	.22	7	14	9	0	0	0	1	0	0	6	6	2.05	84	
	Teignmouth ...	9 9	20	10.7	6.2	8.5	-0.2	15.6	1	1.1	26	-	-	.79	20	.16	7	17	8	0	0	0	0	0	0	4	2	1.70	69	
	Starcross ...	9 9	29	10.5	4.8	7.7	-	17.2	1	-2.2	26	8.3	-	.87	-	.30	7	13	9	0	0	0	0	0	4	13	0	1.98	-	
	Exeter (Southern)	9 9	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Exmouth ...	9 9	195	9.8	4.9	7.3	-0.6	16.7	1	-2.2	26	-	-	.74	20	.19	7	12	6	0	0	0	0	0	2	-	1	1.94	80	
	Exeter ...	21-9	106	10.0	4.5	7.3	-	17.7	1	-3.3	26	-	-	.63	16	.13	7	12	7	0	0	0	0	1	5	11	0	1.64	-	
	Sidmouth ...	9 9	25	10.4	5.4	7.9	-0.3	14.4	1	0.6	24,26	-	-	.71	-	.16	7	12	9	-	0	-	-	-	0	0	5	-	1.92	-
Cornwall	St. Mary's, Scilly	21-9	158	11.2	8.4	9.8	-0.2	14.5	1	5.8	26	-	-	2.12	59	.44	21	18	13	0	0	0	0	0	2	0	-	1	2.38	93
	Penzance ...	9 9	62	11.4	7.0	9.2	-0.4	15.6	1	0.6	26	-	-	3.32	68	.86	21	18	13	0	0	4	0	1	0	6	2	2.40	96	
	Guilva ...	9 9	50	11.3	6.9	9.1	-0.2	15.6	1	1.1	26	-	-	3.26	-	.68	21	19	13	-	0	-	-	-	0	-	-	2.23	92	
	Culdrose ...	9 9	268	10.4	6.1	8.3	-	13.9	1	1.1	28	-	-	2.88	-	.80	21	15	14	0	0	0	0	1	0	4	0	2.63	-	
	Camborne (Rosewarne)	9 9	250	10.4	6.5	8.5	-	15.0	1	1.1	26	8.7	10.9	3.07	-	.74	21	18	14	0	0	1	0	0	1	0	4	1	2.49	-
	Lizard ...	9 9	240	10.7	6.3	8.5	-	14.0	1	2.6	27	-	-	2.54	65	.67	21	15	11	0	0	0	0	-	0	-	2	2.39	-	
	Falmouth ...	9 9	167	11.1	6.8	8.9	-0.2	14.4	1	2.2	11	-	-	3.03	58	.59	21	15	13	0	0	0	0	1	0	6	1	2.39	90	
	Newquay ...	9 9	176	10.4	6.1	8.3	-0.5	14.4	1	0.0	26	-	-	2.70	69	.47	7	18	16	0	0	0	0	-	1	-	1	2.08	87	
	St. Mawgan ...	21-9	337	10.0	6.2	8.1	-	13.9	1	0.7	28	-	-	2.56	-	.41	21	17	13	0	0	2	0	1	0	3	1	2.57	-	
	St. Austell ...	9 9	310	10.6	5.9	8.3	-	15.0	1,2	1.7	26,28	-	-	2.60	46	.45	7	18	14	0	0	0	0	1	0	-	1	-	-	
	Fowey ...	9 9	51	11.3	6.3	8.8	-0.1	15.0	1,2	0.6	26	-	-	1.76	-	.26	7	17	14	0	0	0	0	1	0	-	1	-	-	
	Bude ...	9 9	50	10.6	5.8	8.2	-0.3	14.4	1	-1.1	26	7.7	-	2.57	65	.35	8	19	15	-	0	-	-	-	3	-	-	2.22	95	
	Ellbridge ...	9 9	190	10.3	4.4	7.3	-	15.0	1	-1.7	26	-	-	2.14	-	.42	7	18	13	0	0	0	0	0	5	9	0	2.25	-	
NORTHERN IRELAND																														
Londonderry	Eglinton ...	9 9	46	8.9	3.7	6.3	-	13.3	1	-1.1	11	-	-	3.04	-	.63	29	19	14	0	0	0	0	0	4	15	0	-	-	
	Ballykelly ...	21-9	3	8.9	3.7	6.3	-0.6	13.9	1	-3.3	12	-	-	2.29	67	.53	29	15	12	0	0	2	0	0	1	7	10	0	2.05	97
	Garvagh ...	9 9	121	8.5	2.3	5.4	-0.5	13.3	1	-3.9	10,11,12	7.3	-	2.83	67	.63	23	17	14	2	0	2	0	0	1	10	17	0	-	
Antrim	Portrush ...	-	18	-	-	-	-	-	-	-	-	-	-	2.88	-	.43	29	19	15	-	-	-	-	-	-	-	-	2.10	-	
	Aldergrove ...	21-9	217	8.3	3.6	5.9	-0.4	13.2	1,2	-5.3	12	-	-	1.95	61	.42	29	16	13	0	0	0	0	3	5	11	0	1.59	8	

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 701

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



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Volume 78 Number 12

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December 1961 — *Cold particularly during the latter half*

The first half of the month was cyclonic and changeable, but from the 16th to the 22nd weather was mainly anticyclonic with easterly or variable winds. Winds remained easterly during most of the rest of the month associated with persistent low pressure to the south-west of the British Isles. There were some heavy snowfalls during the month.

During the first week pressure was low over Scandinavia and high over Greenland with a cold northerly airstream over the Norwegian Sea which frequently spread over the British Isles. On the 1st a shallow depression moved from Wales to the southern North Sea bringing mild wet weather to southern England, but further north it was brighter and colder with northerly winds and snow showers. The cold northerly airstream spread to southern England on the 2nd but a polar depression skirting the Scottish coast gave severe gales and considerable snow in the north. The next day milder weather spread back over the southern part of the country as a small disturbance moved east along the English Channel heralding the approach of a vigorous Atlantic depression which, on the 4th, brought gales to most coastal districts, widespread rain to the south and prolonged snow to Scotland. Much of the Midlands and North became snow-covered and snow lay 4-6 in. deep over higher ground. As the depression moved away north-eastwards gales became severe over Scotland on the night of the 4th/5th. Behind the depression strong north-westerly winds again covered the country on the 5th, but they slowly moderated the following day. There were scattered sleet and snow showers in most districts on the 5th and 6th but the 7th was generally fine and sunny with a ridge of high pressure over the country.

During the second week, which was generally mild, a succession of troughs associated with a persistent low pressure area in the eastern Atlantic, crossed the British Isles. On the 8th, an almost sunless day, a belt of frontal rain, preceded by snow mainly in the Midlands and North, spread slowly north-east across the country. In the moister airstream which spread in from the Atlantic from the south-west, fog became widespread, and was thick locally on the 9th and 10th. During the next few days weather continued generally dull and wet with heavy rain at times, but on the 13th an exceptionally rapid rise of pressure brought a complete change.

High pressure extended from northern Russia across Scandinavia to the British Isles on the 14th and thereafter weather over the whole country was quiet and mainly dry for about a week, with increasing frost and fog. Fog formed widely soon after midnight on the 14th, was thickest in eastern England on the 15th, in southern Scotland on the 17th and covered most of England and southern Scotland on the 21st. Widespread night frost was severe in many places, temperature falling as low as -8°C on several mornings and remaining below freezing point all day in persistently foggy areas.

Weather during the remainder of the month was dominated by easterly winds with pressure high to the north of the British Isles and with low pressure systems moving towards the Bay of Biscay. Freshening easterly winds cleared most of the fog on the 22nd, except in East Anglia and the Clyde Valley. A fine and sunny, but exceptionally cold spell followed, with temperatures remaining below freezing point over most of the country until the 28th. It was one of the coldest Christmas periods of the century almost everywhere; temperature fell to -11°C at Eskdalemuir early Christmas morning. On the 28th

day temperatures failed to rise above -5°C at many places. Milder air, brought up by a wave depression from the Atlantic, reached the southern half of England on the 29th, when in parts of Cornwall 10°C was recorded. But, on the last day of the month, a depression over France moved north-east bringing heavy falls of snow to south-east England; in the Chilterns level snow lay up to 15 in. and there were drifts 3 ft. deep.

Pressure and Wind — Mean pressure was considerably below the average in the south but above average in the north of the British Isles, the deviation at 9 hr ranging from $+2.7$ mb at Stornoway to -5.0 mb at Scilly. Surface winds varied mainly between south-west and north-west at first becoming more generally south-westerly on the 6th and 13th, between south and south-east on the 14th-17th and then light and variable until the 21st. Easterly winds predominated during the remainder of the month. Winds reached gale force on 21 days in Scotland and on the 1st, 3rd, 5th, 10th, 11th, 13th, 22nd-26th, and 30th (13 days) in England and Wales. Gales were widespread on the 5th and 11th, and were recorded on ten days at the Lizard, four days (22nd-25th) being consecutive.

Temperature — Mean temperature was generally below the 1921-50 average the deficit being -1.9°C in England and Wales, -2.6°C in Scotland and -2.5°C in Northern Ireland. Apart from the second week, when it was above the average, temperature was generally below the average especially during the last week. On the morning of the 31st temperature fell to -19°C at Eskdalemuir, 6°C below the previous lowest recorded there in 1912.

Extremes reported were (England and Wales) 15.6°C and Aber on the 10th and at Teignmouth on the 11th, -17.2°C at Kilder Castle on the 31st; (Scotland) 15.6°C at Achnashellach on the 15th, -22.2°C at Cannich on the 30th; (Northern Ireland) 13.9°C at Eglinton on the 13th, -11.1°C at Ballykelly on the 31st.

Rainfall — The general precipitation expressed as a percentage of the 1916-50 average was 114 over England and Wales, 91 over Scotland and 78 over Northern Ireland. Less than half the average rainfall occurred in the Lochalsh area of Ross-shire while more than 150 per cent of the average fell in the London area, the east Midlands, on the north coast of Kent and in the Spey Valley.

Thunder was heard on six days in Scotland and five days in England and Wales mainly during the first week.

Snow or sleet fell daily in Scotland except on the 14th-21st. In England and Wales it fell mainly during the first and last week. In parts of the Midlands snow lay 4-6 in. deep on the 7th and 8th and 12-16 in. deep on the 30th and 31st.

Sunshine — The month was exceptionally sunny in parts of Wales, north-east and south-east England, the general sunshine expressed as a percentage of the 1921-50 average being 133 over England and Wales, 115 over Scotland and 88 over Northern Ireland.

Fog — In Scotland fog occurred at one place or another on 26 days and in England and Wales every day except the 23rd and 24th; it was widespread on the 17th-21st and during the last few days of the month.

Miscellaneous Phenomena — The aurora was visible in Scotland on ten nights; it was seen as far south as Exeter on the night of the 2nd/3rd.

Please Note: As from the July issue, all page numbers should be advanced by one.

Meteorological Office, Air Ministry: SIR GRAHAM SUTTON, C.B.E., D.Sc., F.R.S., Director-General.

MWR dup

TABLE I—DISTRICT VALUES— DECEMBER 1961 (1908, revised 1928, 1941 and 1956)

DISTRICTS	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUN-SHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Per-centage of Average	No. of Days Difference from Average	Per-centage of Average
			Max.	Min.	Mean					
0 SCOTLAND, N.	15.6	-22.2	-2.5	-2.9	-2.7	—	—	91	-2	118
Eastern										
1 SCOTLAND, E.	13.3	-18.3	-2.3	-2.5	-2.5	—	—	123	-4	116
2 ENGLAND, N.E.	13.6	-17.2	-2.0	-2.8	-2.4	-0.6	-0.2	121	-3	95
3 ENGLAND, E.	15.0	-16.1	-0.7	-1.4	-1.1	-0.5	-0.1	152	-3	145
4 MIDLAND COUNTIES	14.4	-12.2	-2.3	-2.5	-2.4	-0.9	-0.1	144	-3	142
5 ENGLAND, S.E.	15.0	-12.4	-0.6	-1.2	-0.9	-0.7	-0.1	112	-3	152
Western										
6 SCOTLAND, W.	12.2	-18.5	-2.3	-2.8	-2.5	-1.2	+0.1	74	-5	115
7 ENGLAND, N.W. (and N. Wales)	15.6	-16.1	-2.4	-2.9	-2.7	-0.6	+0.9	95	-5	166
8 ENGLAND, S.W. (and S. Wales)	15.6	-11.7	-1.6	-1.6	-1.6	-0.6	-0.3	109	-3	97
NORTHERN IRELAND	13.9	-11.1	-1.9	-3.1	-2.5	-	-	78	-8	88

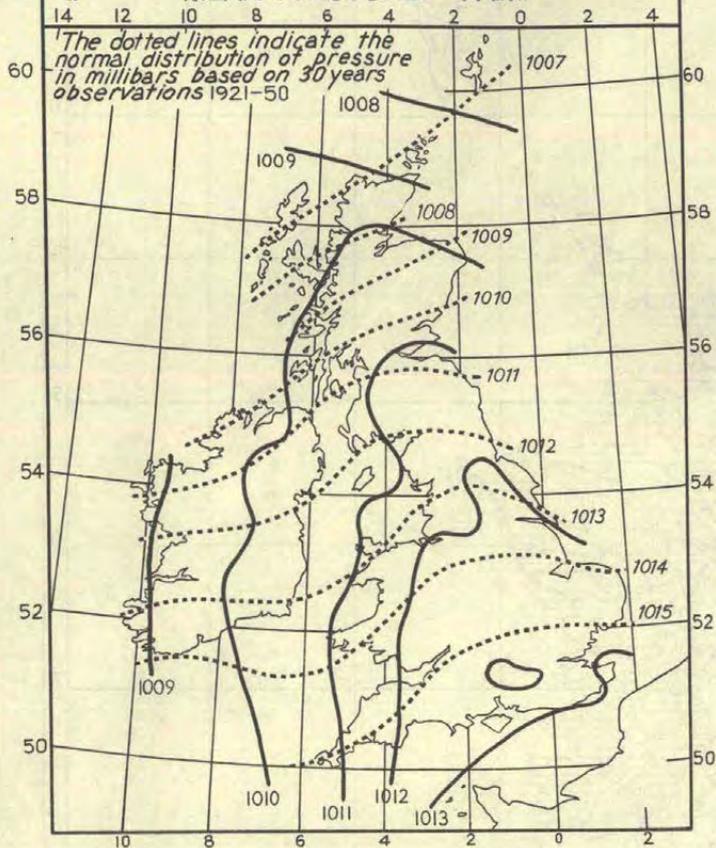
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— DECEMBER 1961 (1914)

DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed								Mean Hourly Wind Speed	Highest Velocities						
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		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	No. of days	Duration	Duration	Duration	Duration	Duration				Speed	Hour ended at	Speed	Day and Time	
	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	hr.		knots	knots	day hr.	knots	day h.m.		
SCOTLAND																			
0 Zetland	Lerwick	310	53	37	2,3,5,10,11	33	21	185	288	214	24	0	16.5	240	40	27 11	64	3 0600	
Orkney	Kirkwall (Grimsetter)	135	51	33	2	3	9	54	299	283	105	0	11.0	350	37	2 20	65	2 1900	
Cathness	Dounreay	110	39	30	2,5	5	14	116	361	262	0	0	14.3	(340)	38	2 20	64	5 1810	
	Halkirk (Olgrinbeg)	272	40	40	2,5	2	7	39	200	340	105	58	9.4	320	36	5 19	63	5 1850	
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	2,5,14,15,16	35	20	127	362	141	79	0	15.1	190	45	15 10	59	15 0935	
Inverness	Duirinish	125	65	55	2	2	9	46	195	374	127	0	8.9	270	37	3 14	60	2 1225	
1 Moray	Benbecula	69	51	35	2,5,15	14	13	124	268	255	83	0	13.3	300	58	5 14	91	5 1320	
	Lossiemouth	100	80	66	**														
Aberdeen	Dyce	225	40	40	5	1	2	2	212	282	247	0	7.2	310	35	5 21	54	5 2045	
Angus	Bell Rock Lighthouse	128	131	124															
Perth	Rannoch	1006	56	57		0	7	28	169	231	267	49	7.1	260	32	13 24	60	5 1425	
Flie	Leuchars	78	40	40		0	3	9	154	405	176	0	7.0	090	28	4 15	47	5 2015	
Midlothian	Edinburgh	485	39	23		0	2	3	196	340	205	0	7.5	290	30	5 18	49	5 1710	
6a Argyll	Tiree	89	60	47	2,4,5,8,15	40	17	171	371	95	67	0	17.2	320	47	5 19	75	5 1830	
Bute	Millport	50	34	34	4	1	11	43	270	246	160	24	10.2	060	36	4 11	59	5 1655	
Renfrew	Paisley	188	81	31															
	Renfrew	71	41	39		0	2	6	97	340	301	0	5.3	280	29	5 17	50	5 1630	
Ayr	Prestwick Airport	35	33	33		0	3	17	226	330	171	0	8.5	310	32	5 09	49	5 1655	
Dumfries	Eskdalemuir	825	50	35		0	3	7	148	206	383	0	5.4	300	26	5 20	51	5 1825	
ENGLAND and WALES																			
6b Isle of Man	Point of Ayre	70	40	35	5	9	18	149	363	192	31	0	15.2	310	39	5 08	60	5 1405	
2 Durham	Durham	389	53	33		0	4	14	148	345	223	14	7.0	270	27	5 21	49	5 1745	
	South Shields	73	57	44		0	7	34	199	412	99	0	9.1	010	32	30 12	45	5 1805	
Lincoln	Cranwell	288	47	47		0	5	35	239	315	155	0	9.3	210	33	5 05	55	5 0420	
3 Norfolk	Gorleston	45	33	33	*	0	2	20	152	332	240	0	6.8	250	29	11 05	56	11 0405	
	Mildenhall	98	83	60															
Suffolk	Felixstowe	85	75	65	4,5,10,11	31	10	52	242	252	167	0	10.9	240	45	11 05	66	5 0055	
Bedford	Cardington	226	133	133		0	2	2	112	433	197	0	6.5	240	22	5 02	46	5 0130	
Hertford	Rothamsted	461	41	33															
	Stanstead Abbots	138	41	40	*														
Essex	Croyton	66	57	48		0	4	22	203	412	88	19	8.9	240	27	5 08	53	5 0045	
	Shoeburyness	118	108	91	4,5,23	16	15	117	326	246	39	0	14.2	220	43	5 01	63	5 0125	
4 Yorks., W.R.	Sheffield	533	83	35		0	2	7	91	335	311	0	5.3	240	26	11 13	59	11 1235	
	Birmingham	643	118	73		0	2	4	164	480	96	0	8.0	260	24	11 04	47	11 0305	
Stafford	Keele	706	50	40		0	3	6	160	384	194	0	7.1	230	24	11 04	47	4 2350	
Gloucester	Avonmouth	92	61	33	*														
5 London	Kingsway	208	143	41		0	1	6	167	430	141	0	7.8	220	23	5 06	53	5 0510	
	Middlesex	London Airport	115	33	33		0	4	26	142	313	263	0	7.1	230	29	5 01	55	5 0120
	Hampton	139	101	100		0	4	26	174	347	197	0	7.5	230	30	5 02	62	5 0650	
Surrey	Kew Observatory	92	75	50		0	5	17	160	341	226	0	7.1	190	25	5 01	51	5 0105	
	Gatwick	232	38	33	5	1	7	35	188	275	245	0	7.6	240	35	5 07	64	5 0640	
Kent	Isle of Grain	48	40	33		0	4	14	163	243	291	33	6.5	(220)	29	5 07	(52)	5 0430	
	Dungeness	70	50	33	*														
	Dover	68	38	62		0	12	85	328	292	39	0	12.2	240	33	5 10	64	5 0940	
Sussex	Thorney Island	75	65	42		0	5	28	237	361	118	0	9.0	230	28	5 04	52	5 0330	
Hampshire	Southampton (Eastleigh)	95	60	41															
	Calshot	50	41	33		0	3	9	387	316	32	0	11.2	210	26	4 23	43	5 0720	
	S. Farnborough	318	69	35		0	4	22	135	338	249	0	6.8	230	27	5 02	63	4 2300	
Berkshire	Abingdon	295	40	40		0	3	28	172	226	318	0	6.8	240	29	11 08	48	11 0410	
Wiltshire	Larkhill	491	51	36		0	6	32	221	377	114	0	9.1	230	30	5 02	56	4 2300	
	Porton	406	44	44	4	1	4	23	217	316	187	0	8.2	220	34	4 24	52	4 2330	
7a Cumberland	Sellafield	83	39	35		0	6	34	199	267	191	53	8.4	300	30	5 21	53	5 0920	
	Spadeadam	859	51	40		0	5	34	196	334	180	0	8.6	010	30	30 14	46	11 1525	
Westmorland	Moor House	1960	50	45	8														
Lancashire	Southport	59	41	33															
	Speke	180	100	65	11	3	10	57	291	317	76	0	11.1	240	39	11 03	60	5 0840	
Cheshire	Bidston Observatory	262	64	39	5,11	4	8	49	260	292	102	37	-	250	35	11 09	63	11 0635	
	Manchester Airport	261	33	33		0	3	17	209	334	184	0	7.8	200	28	5 01	48	5 0105	
7b Anglesey	Holyhead (Valley)	76	50	40	11	3	9	63	240	210	228	0	9.4	220	39	11 02	56	11 0035	
8a Cardigan	Aberporth	483	41	41	5,8,11,15	17	17	148	369	199	11	0	15.7	240	39	11 03	62	11 0145	
Pembroke	Millford Haven	246	50	35	11	1	9	42	289	297	44	71	11.8	270	34	11 02	53	11 0140	
Glamorgan	Port Talbot	91	40	35		0	13	104	341	239	60	0	12.8	290	33	5 11	61	5 0235	
	Rhosee	257	37	32		0	6	34	322	351	37	0	10.8	250	32	11 04	46	4 2245	
8b Devon	Plymouth	191	88	65	4,5	3	13	68	334	273	66	0	12.0	-	35	5 06	56	5 0310	
Cornwall	St. Mary's, Scilly	230																	

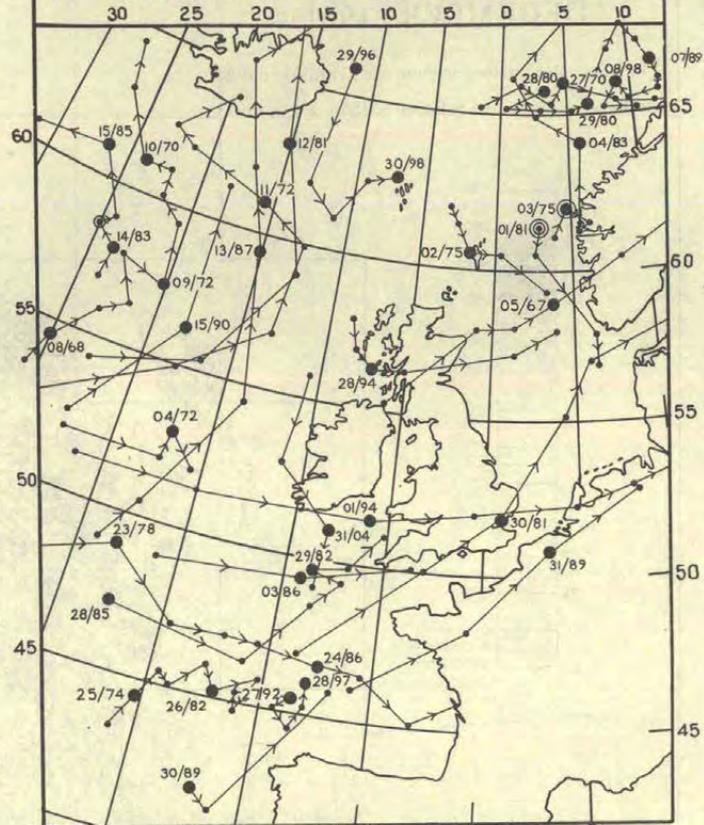
MONTHLY WEATHER CHARTS

DECEMBER 1961

1. MEAN PRESSURE 9 A.M.

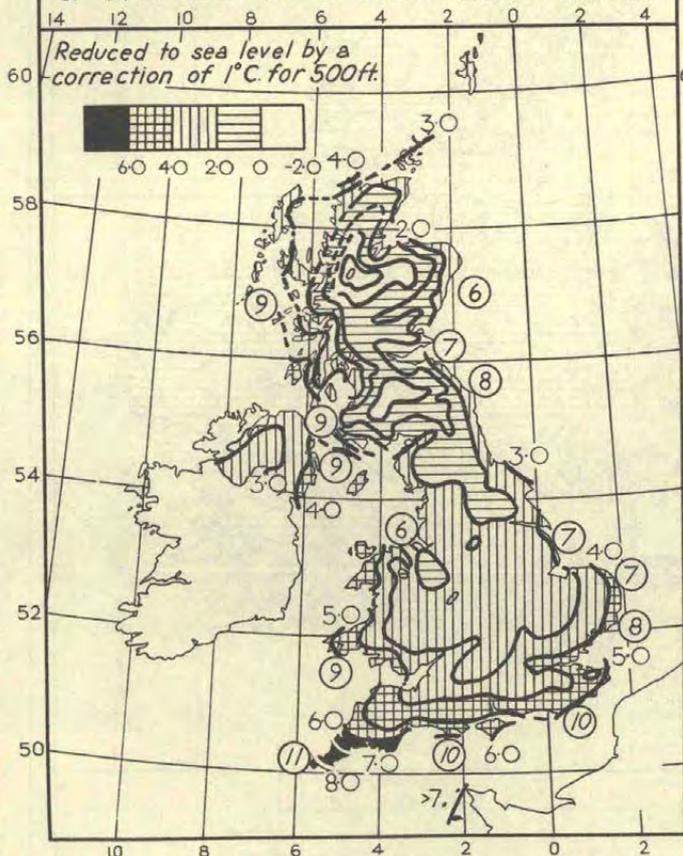


2. MOVEMENTS OF DEPRESSIONS



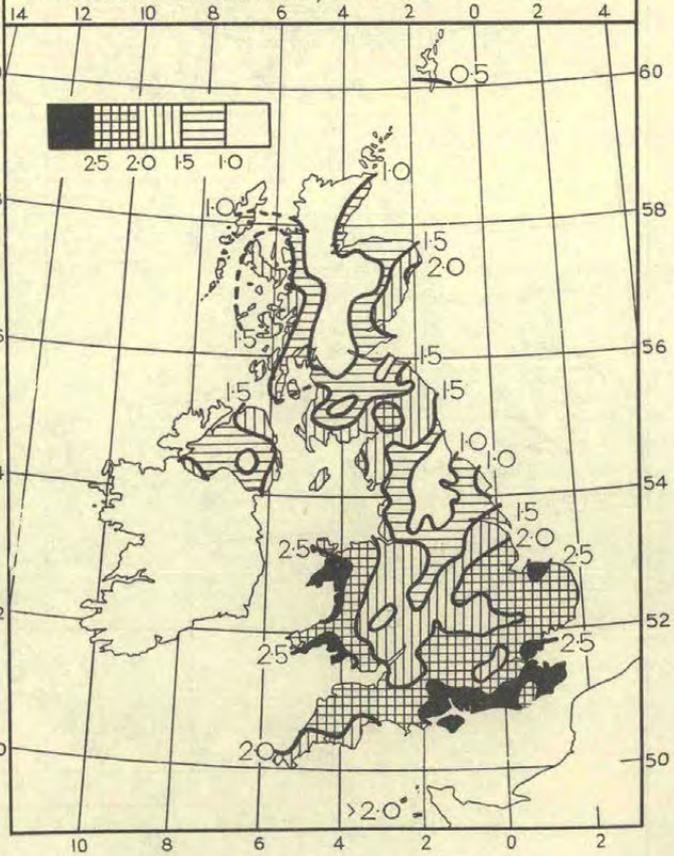
Positions of centres shown thus: ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: ⑩

4. BRIGHT SUNSHINE, HOURS PER DAY



RAINFALL

DECEMBER 1961

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

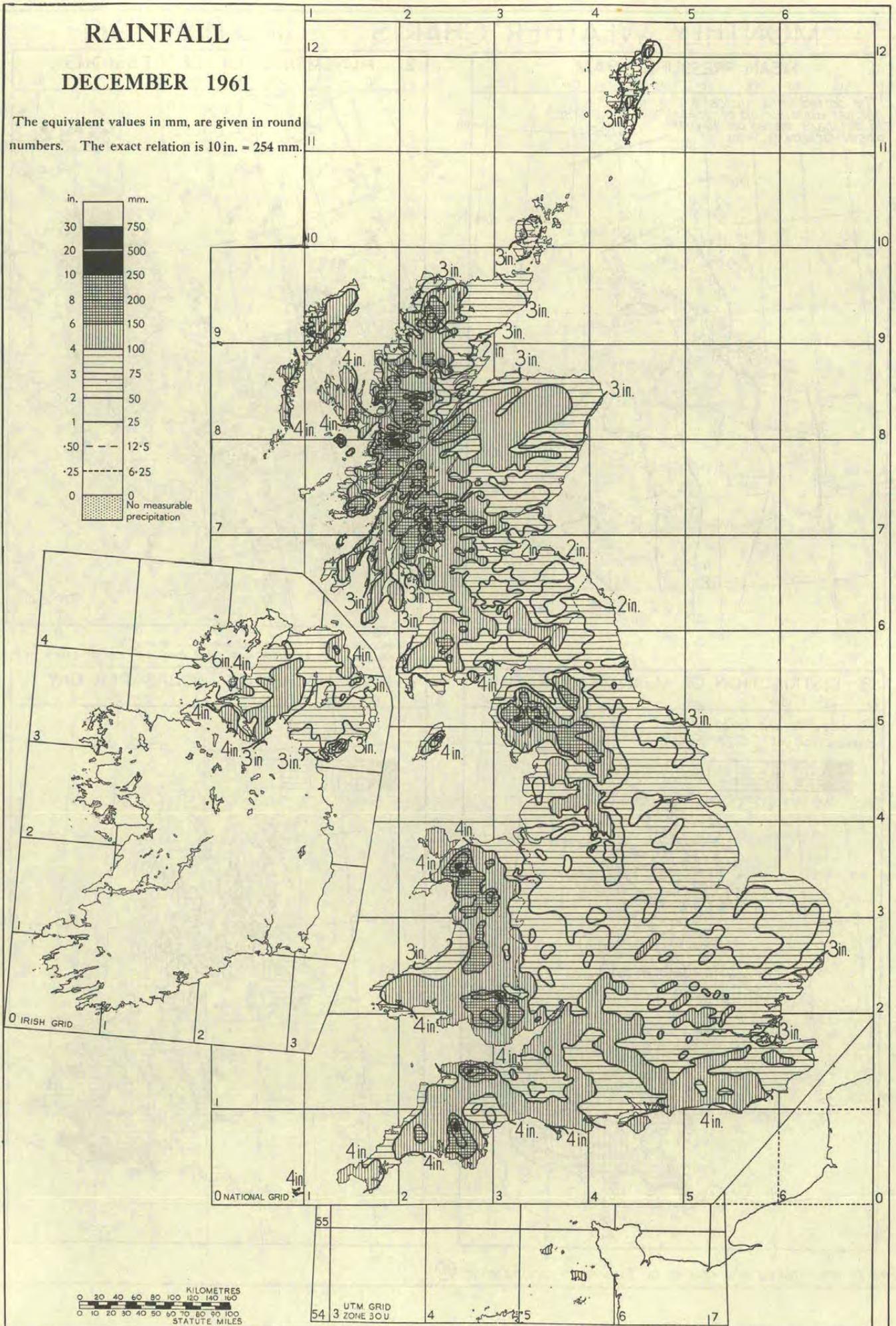
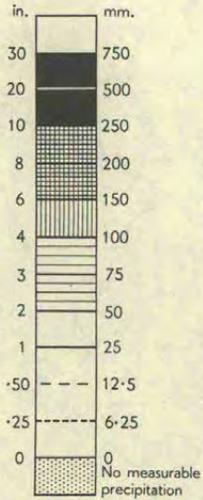


TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER Number of days										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n (0.1mm or more)	Snow or Sleet	Snowing at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C or less	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum	Date					Amount	Date															
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	°(in (0.2mm) or more)	°(in (1.0mm) or more)										hr	%	
1 SCOTLAND, E.—cont.																															
Midlothian cont.	99	620	3.4	-2.5	0.5	-	10.6	13	-12.2	31	2.6	-	2.77	-	.89	10	14	13	9	14	0	0	0	0	0	0	23	28	0	-	-
Bush House	99	605	3.9	-2.4	0.7	-	10.6	13,15	-11.7	31	2.3	5.0	2.63	-	.90	10	13	11	9	12	0	1	0	1	0	1	22	27	0	0.95	-8
Edinburgh—																															
Blackford Hill	99	441	4.4	-0.6	1.9	-2.6	11.1	11,13,15	-7.2	31	-	-	2.61	124	.78	10	12	10	7	8	1	0	0	0	1	21	23	1	1.51	108	
Liberton	99	200	5.2	-1.1	2.1	-	11.7	12	-10.0	27	-	-	2.42	-	(.50)	4	10	10	7	6	0	0	0	0	4	22	26	0	0.89	-	
Botanic Garden	99	74	4.6	-1.4	1.6	-	12.8	13	-10.6	25	2.4	-	2.29	-	.55	4	12	10	8	11	0	1	0	0	7	21	28	0	1.10	-	
E. Lothian	99	162	4.3	-2.4	0.9	-	11.7	12	-14.4	31	-	-	2.21	-	.50	10	11	10	9	9	0	0	0	0	1	23	26	0	0.83	-	
Haddington	99	51	5.4	-0.2	2.6	-1.9	12.2	12	-8.3	31	-	-	2.39	131	.55	10	14	10	5	6	0	0	0	0	0	20	-	0	0.92	101	
North Berwick	99	75	5.6	-0.1	2.7	-	12.2	12	-8.3	27	-	-	2.01	-	.41	10	14	10	7	6	0	0	0	0	1	18	24	0	1.57	-	
Berwick	99	498	4.2	-1.5	1.3	-2.1	10.0	11,12,13	-8.9	31	-	-	2.67	113	.53	10	13	12	6	11	0	0	0	0	0	1	12	14	3	1.34	121.8
St. Abb's Head	99	245	4.6	1.8	3.2	-	10.7	11	-3.5	31	-	-	1.85	-	.50	4	13	10	6	2	2	0	0	0	1	21	24	0	-	-	
Peebles	99	741	3.7	-3.6	0.1	-	11.1	13,15	-17.2	31	-	-	3.01	-	.72	10	15	11	11	13	0	2	0	0	0	22	26	0	-	-	
Blyth Bridge	99	830	3.6	-3.0	0.3	-	11.1	15	-13.9	31	-	-	3.20	-	.88	10	14	11	9	14	0	0	0	0	1	22	27	0	1.40	-	
West Linton	99	800	3.4	-3.4	0.0	-	10.0	12,13,15	-14.4	31	1.2	4.9	3.01	-	.74	10	20	11	10	14	0	1	0	0	2	24	25	0	-	-	
Peebles	99	645	4.2	-3.3	0.5	-	11.1	13,14	-13.3	27	-	-	2.91	-	.93	4	10	9	4	13	0	0	0	0	1	23	27	0	0.43	-8	
Peebles (Gentress)	99	580	4.1	-3.6	0.3	-	11.1	10,11,12	-16.1	31	-	-	2.93	-	.82	4	11	10	6	9	0	0	0	0	0	22	-	0	-	-	
Selkirk	99	600	3.2	-3.7	-0.3	-	10.6	13	-13.3	31	-	-	2.79	-	.76	4	16	14	12	14	0	0	0	0	3	24	-	1	-	-	
Roxburgh	99	560	4.0	-3.4	0.3	-	11.1	12	-18.3	31	-	-	2.25	-	.45	4	15	12	-	11	-	0	0	0	1	23	-	0	-	-	
Sourhope	99	900	4.1	-1.9	1.1	-	10.0	10,13	-12.8	31	-	-	2.17	-	.44	4	15	12	-	11	-	0	1	0	1	22	27	0	1.74	-	
8a SCOTLAND, W.																															
Argyll	21-9	29	6.0	2.2	4.1	-2.2	10.9	12	-6.7	31	-	-	3.26	70	.64	4	17	15	12	8	2	9	0	0	0	13	17	2	1.45	154	
Rhuvaal	21-9	65	6.5	3.0	4.7	-	11.5	10	-2.2	31	-	-	3.85	-	.93	4	15	14	7	2	4	0	0	0	0	9	13	3	-	-	
Colonsay	99	87	6.2	0.6	3.4	-	11.1	10,13,15	-6.1	25,31	-	-	4.12	73	.98	4	19	14	5	-	2	0	0	0	2	16	-	3	-	-	
Campbeltown	99	10	6.6	1.9	4.3	-	12.2	10,14	-6.7	31	-	-	3.34	-	1.49	4	11	10	-	0	-	-	-	-	16	-	-	1.16	-		
Tarbert (Achaglachgach)	99	40	5.4	-1.3	2.1	-	11.1	13	-10.0	31	-	-	4.14	-	.65	4	18	14	5	-	2	0	0	0	0	21	23	0	-	-	
Oban	99	229	5.4	0.5	2.9	-	10.6	10,13,16	-7.8	31	-	-	4.14	69	.86	4	14	14	7	5	2	0	0	0	0	17	23	1	1.31	149.8	
Lepinmore	99	30	5.1	-0.3	2.4	-	11.1	10,13	-7.8	31	-	-	4.68	-	.76	4	15	14	6	6	1	1	0	0	3	19	-	0	1.13	-8	
Glenbranter	99	120	3.8	-2.1	0.9	-3.2	10.6	15	-11.1	31	-	-	7.38	71	1.31	10	14	12	-	13	-	-	-	3	20	27	-	0	-		
Benmore (Forestry Sch.)	99	48	5.0	-2.1	1.5	-	11.1	11,14,15	-7.8	27,31	2.5	5.1	6.82	66	(1.14)	4	15	14	8	10	0	0	0	0	6	21	23	0	-	-	
Benmore (Younger Bot. Gdn.)	99	40	4.9	-1.0	1.9	-	11.1	10,11,12	-7.8	31	-	-	6.90	-	1.23	10	15	13	8	11	0	1	0	4	20	26	0	-	-		
Bute	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lochransay	99	150	5.1	1.1	3.1	-2.1	11.1	10,11,12	-5.0	31	3.6	5.9	3.78	64	.65	10	15	13	6	0	3	0	0	0	7	17	23	0	1.25	129	
Rothesay	99	16	5.9	1.8	3.9	-	11.1	10,11	-4.4	31	-	-	3.25	67	.72	4	15	11	7	3	1	0	0	0	0	11	-	7	-	-	
Millport	99	293	3.6	-1.3	1.1	-3.2	10.0	11,13,15	-7.2	31	-	-	5.34	87	1.29	4	15	15	7	5	0	0	0	0	2	20	-	0	-	-	
Dunbarton	99	151	3.9	-1.2	1.3	-2.9	10.6	13	-8.3	31	2.2	7.3	3.53	93	1.27	4	13	10	7	12	0	0	0	0	8	20	22	0	-	-	
Sitrling	99	100	4.0	-1.4	1.3	-	11.7	16	-8.3	31	-	-	3.42	-	1.23	4	15	11	8	12	0	0	0	0	1	21	-	0	-	-	
Falkirk	99	200	4.6	0.3	2.5	-2.6	11.1	13	-5.6	31	-	-	5.07	73	1.02	4	14	13	8	10	0	0	0	0	6	18	24	0	0.86	-8	
Greenock	99	108	4.2	-0.6	1.8	-2.9	11.1	13	-7.2	31	3.7	7.6	4.78	103	1.58	4	17	12	5	12	0	0	0	0	16	21	25	1	0.62	77	
Paisley	99	97	4.2	-2.0	1.1	-	11.7	13	-9.4	26,31	-	-	4.89	-	1.35	4	16	13	10	7	1	0	0	0	7	23	26	1	-	-	
Barrhead	99	26	3.8	-0.8	1.5	-2.7	11.8	13	-9.8	31	-	-	4.22	101	1.52	4	17	11	9	5	0	2	0	0	9	23	24	0	0.68	76	
Renfrew	99	453	3.6	-1.9	0.9	-	11.1	13	-11.7	31	-	-	4.61	-	1.32	4	16	13	5	12	0	0	0	0	22	27	0	0.50	-8		
Lanark	99	351	3.4	-1.7	0.9	-	11.1	13	-9.4	31	-	-	4.20	110	1.21	4	19	13	9	13	0	1	0	0	4	21	26	0	0.73	-	
Glasgow, Spr. Pk.	99	258	3.9	-1.9	1.0	-	11.7	13	-11.1	31	-	-	3.22	-	1.04	4	16	15	2	1	0	0	0	0	0	22	-	0	-	-	
Coatbridge	99	707	3.2	-3.4	-0.1	-	10.0	10,13	-14.5	31	3.3	-	3.20	-	1.13	10	15	10	9	10	1	1	1	0	1	1	23	26	0	1.36	-
Coalburn (Midtown)	99	2377	0.8	-4.1	-1.7	-	8.0	13	-11.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17	27	-	5	0.83		
Lowther Hill	99	1270	2.4	-3.3	-0.5	-	9.4	13	-15.0	31	-	-	4.06	-	1.17	10	15	13	11	10	0	1	0	0	2	22	25	1	-	-	
Leadhills	99	706	3.5	-3.7	-0.1	-	10.0	12,13	-17.8	31	-	-	2.51	-	.98	10	13	12	9	10	0	2	0	0	1	25	29	0	-	-	
Ayr																															

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE			
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Thunder heard	Fog at 9h.	Air Frost	Gale	Daily Mean	Percentage of Average							
			A Max.	B Min.		Mean of A and B	Maximum	Date	Minimum					Date	Amount	Date	-0.1 in. (0.2 mm.) or more							-0.4 in. (1.0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.		
			Max.	Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.								hr.	%						
2 ENGLAND, N.E.—cont.																														
Northern-berland cont.	Acklington	21-9	138	4.3	-0.8	1.7	-	11.4	12	-8.9	31	-	-	3.10	-	.66	10	16	12	12	3	4	3	0	0	21	27	1	1.77	-
	Tynemouth	21-9	95	4.6	0.8	2.7	-2.5	12.4	12	-6.7	31	-	-	1.92	80	.41	10	14	9	10	0	0	1	0	5	15	23	1	1.01	-
Durham	Chopwellwood	9-9	446	3.9	-2.0	0.9	-2.8	12.2	12	-11.7	25	-	-	3.18	126	1.10	29	19	13	8	12	0	0	0	12	24	0	0	-	-
	Ushaw College	9-9	594	3.8	-1.6	1.1	-2.6	11.7	12	-8.9	31	-	-	2.96	117	.90	29	12	20	7	9	0	0	0	12	24	0	0	-	-
	Houghall	9-9	123	4.3	-3.2	0.5	-3.4	12.2	10,12	-13.3	31	-	-	2.79	116	.83	29	15	15	8	5	0	1	0	7	23	27	0	0.72	58
	Durham	9-9	336	4.1	-1.8	1.1	-2.8	12.3	12	-8.9	25,28,31	3.2	6.9	3.15	138	1.04	29	17	14	-	7	-	-	-	-	23	26	-	0.94	65
	Gateshead	9-9	509	3.8	-0.7	1.5	-	11.7	12	-8.3	31	-	-	2.78	-	.55	29	15	12	-	7	-	-	-	4	23	23	-	1.58	-
	Middleton St. Gge.	21-9	115	3.9	-0.8	1.5	-	12.9	12	-8.3	31	-	-	2.39	-	.47	29	15	12	11	9	0	2	0	7	22	20	0	0.87	-
	West Hartlepool	9-9	30	5.3	0.3	2.8	-	12.8	12	-6.1	28	-	-	2.30	-	.40	4	14	10	7	1	0	0	0	8	17	23	0	0.64	-
Yorks., N. Riding	Hawes	-	745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dishforth	21-9	105	3.8	-0.7	1.5	-	13.4	12	-6.8	29	-	-	2.45	111	.44	10	16	11	11	3	0	1	0	8	22	23	0	1.34	-
	York	9-9	57	4.3	-0.8	1.7	-2.7	13.3	12	-6.7	25,28,29	3.5	6.7	2.22	109	.32	9	16	12	9	2	0	0	0	10	20	23	0	0.84	80
	Ampleforth	9-9	313	4.2	-1.2	1.5	-2.3	11.7	12	-7.2	29	-	-	2.87	110	.39	4,29	15	11	-	-	-	-	-	10	21	27	-	-	-
	Redcar	9-9	25	5.8	-0.2	2.8	-	12.8	10,12,13	-7.2	25	-	-	2.11	105	.41	29	14	9	4	0	1	0	0	2	22	-	1	1.07	-
	Whitby	9-9	135	5.6	-	-	-	12.8	12	-	-	-	-	1.56	62	.32	29	13	10	6	1	1	0	0	2	-	-	0	1.11	-
	Scarborough	9-9	118	5.7	0.8	3.3	-1.9	12.2	10,12	-6.1	29	-	-	2.83	115	.70	29	15	11	5	0	0	0	0	2	14	18	0	0.68	56
	Silpho Moor	9-9	665	4.2	-1.1	1.5	-	11.7	12	-7.8	28,29	3.2	-	3.56	-	.63	31	17	15	6	8	0	0	0	6	21	25	0	1.09	-
Yorks., E. Riding	High Mowthorpe	9-9	574	3.5	-1.7	0.9	-	11.1	10,12,13	-7.8	28,29	3.3	-	2.68	-	.59	29	20	12	6	5	0	0	0	6	21	26	1	1.18	-
	Hull	9-9	8	5.2	0.2	2.7	-2.0	12.8	11,12	-5.6	25,29	4.1	7.5	2.60	116	.57	29	16	13	4	0	0	0	0	2	17	21	0	1.25	125
	Leconfield	21-9	24	4.5	-0.5	2.0	-	12.9	12	-6.9	8	-	-	2.29	-	.47	29	18	12	10	3	1	3	0	8	18	20	0	1.18	-
	Filey	9-9	122	4.7	-1.0	1.9	-	12.8	12	-7.2	29	-	-	2.51	-	.75	29	14	12	5	0	1	1	0	3	17	23	0	0.87	-
	Bridlington	9-9	157	4.9	-0.4	2.3	-	12.8	12	-9.4	28	-	-	3.10	-	.62	29	14	13	5	3	0	0	0	3	19	21	4	1.02	-
	Spurn Head	21-9	29	5.1	2.0	3.5	-1.4	11.9	12	-6.0	28	-	-	2.13	-	.66	30	15	13	5	0	0	2	0	3	8	-	1	1.70	115
Lincoln	Gainsborough	9-9	110	4.1	-1.6	1.3	-	12.8	12,13	-7.8	25,26	-	-	2.39	-	.60	29	16	12	5	5	0	0	0	8	22	-	0	-	-
	Waddington	21-9	224	4.0	-0.8	1.6	-	13.1	10	-8.5	28	-	-	2.76	-	.78	29	15	12	12	2	0	0	0	9	20	21	0	1.96	-
	Lincoln	9-9	22	4.7	-1.6	1.5	-	13.3	10,12	-11.1	25	4.4	6.7	2.70	-	.90	29	14	12	5	2	0	0	0	10	21	26	1	1.61	-
	Cranwell	9-9	205	4.7	-2.0	1.3	-2.6	13.6	10	-10.1	29	4.1	8.0	2.69	141	.71	29	12	11	6	1	0	0	0	9	23	23	1	2.48	160
	Cleethorpes	9-9	23	5.8	0.3	3.1	-1.3	12.8	12	-6.7	28,29	-	-	2.49	122	.71	30	14	13	7	0	0	0	0	11	16	24	0	1.72	120
	Manby	21-9	55	4.9	-0.2	2.3	-	13.1	10	-8.7	28	-	-	2.61	-	.68	30	15	12	10	3	0	1	1	4	16	20	0	2.00	-
	Skegness	9-9	15	6.1	0.9	3.5	-0.8	13.3	10,11,12	-8.3	28	-	-	2.73	136	.57	29	17	11	5	1	0	2	2	4	12	20	2	2.42	158
3 ENGLAND, E.																														
Norfolk	Terrington	9-9	13	4.9	-0.4	2.3	-	13.9	10	-7.8	28,29	4.2	-	2.83	165	.68	29	12	11	2	2	0	0	0	4	21	24	0	2.19	-
	St. Clement	9-9	13	4.9	-0.4	2.3	-	13.9	10	-7.8	28,29	4.2	-	2.83	165	.68	29	12	11	2	2	0	0	0	4	21	24	0	2.19	-
	Marham	21-9	76	5.4	-0.1	2.7	-	13.9	10	-10.5	28	-	-	2.87	-	.54	29	16	12	4	1	0	0	0	6	17	18	0	-	-
	Santon Downham	9-9	80	5.6	-2.9	1.3	-	13.9	11,12	-16.1	29	4.6	7.0	3.32	-	.72	1	17	13	-	3	-	-	-	3	21	26	0	-	-
	West Raynham	21-9	250	4.9	-0.1	2.4	-	13.4	10	-9.1	29	-	-	3.05	-	.63	31	14	12	7	0	0	0	0	4	16	20	0	2.68	-
	Cromer	9-9	178	6.5	1.3	3.9	-0.9	12.8	10,12,13	-9.4	29	-	-	2.39	102	.60	31	14	9	-	0	-	-	-	1	13	18	-	2.28	139
	Sprowston	9-9	93	6.2	-0.1	3.1	-1.2	13.9	10,12	-8.3	29	5.3	-	2.81	123	.55	1	14	11	2	1	0	1	0	2	17	23	1	1.86	130S
	Burlingham	9-9	89	6.1	0.5	3.3	-	13.9	10,12	-8.3	29	-	-	3.17	140	.60	1	16	12	3	3	0	2	0	2	18	19	1	2.26	-
	Gorleston	21-9	5	6.5	2.8	4.7	-0.2	14.4	11	-5.0	29	5.5	8.3	2.95	137	.61	1	14	12	5	3	0	0	0	0	8	13	1	2.17	144
Suffolk	Mildenhall	21-9	15	5.5	-0.3	2.6	-	14.5	10	-10.6	29	-	-	2.83	157	.62	29	16	14	3	2	0	0	0	6	18	20	0	2.37	-
	East Bergholt	9-9	14	6.5	-0.4	3.1	-	14.4	10,12	-9.4	29	-	-	3.63	-	.75	31	15	14	1	0	0	0	0	10	20	24	0	-	-
	Wattisham	21-9	292	5.1	0.4	2.7	-	13.3	11	-6.7	28,29	-	-	2.92	-	.50	1	16	12	6	1	1	0	0	5	16	21	0	-	-
	Felixstowe	21-9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lowestoft	9-9	82	6.7	1.9	4.3	-0.1	13.9	12	-5.6	29	4.8	7.2	2.87	131	.61	1	18	14	4	1	0	0	0	0	11	16	0	2.32	141
Cambridge	Boxworth	9-9	157	5.2	-0.8	2.2	-	15.0	10	-8.9	29	-	-	3.06	177	.72	29	14	12	3	2	0	0	0	5	18	25	0	1.96	-
	Cambridge Bot. Gdn.	9-9	41	5.7	-1.1	2.3	-1.9	13.9	10,12,13	-9.4	29	4.2	7.6	3.12	189	.64	29	13	11	3	3	0	0	0	0	10	20	26		

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. O C	Gale	Daily Mean	Percentage of Average			
			A	B			Maximum	Date	Minimum	Date					Amount	Date													0 in (0.2mm) or more	0.01 in (0.4mm) or more	
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr	%		
4 MIDLAND COUNTIES—cont.																															
Yorks.,	Ilkley ...	99	315	3.6	-2.0	0.8	-3.0	12.2	10,13	-8.3	25	-	-	4.20	118	.83	10	15	15	10	2	0	1	1	8	24	-	0	0.89	90	
W. Riding—	Sheffield ...	99	429	5.0	-0.2	2.4	-2.3	13.3	10	-7.2	25,28	3.6	7.6	2.97	102	.69	29	16	14	10	7	0	0	0	0	17	23	23	0	1.36	132
cont.	Wakefield ...	99	121	4.2	-1.4	1.4	-2.9	13.3	10,13	-8.9	25,28,29	4.1	7.3	2.15	101	.35	10	15	13	10	2	0	0	0	0	17	23	23	0	-	-
	Killinghall ...	99	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Pontefract ...	99	255	4.2	-0.9	1.7	-2.5	12.8	12	-10.0	28	-	-	1.98	104	.50	31	14	12	7	4	0	0	0	18	21	23	0	0	-	-
	Bramham ...	99	177	3.9	-1.6	1.1	-	12.8	10	-8.3	28,29	-	-	2.52	-	.36	29	14	12	8	4	0	0	0	0	11	24	24	0	1.01	-
	Cawood ...	99	20	3.9	-1.4	1.3	-	12.8	10,12,13	-7.8	29	2.9	6.2	2.06	100	.31	10	13	13	4	5	0	0	0	0	7	22	25	0	1.04	-
	Askham Bryan ...	99	110	4.2	-1.6	1.3	-	13.3	12	-7.2	25,28,29	-	-	(2.18)	101	.32	10	(0.4)	(12)	6	1	0	0	0	10	23	27	0	1.10	-	
Derby	Buxton ...	99	1007	2.9	-1.9	0.5	-2.5	11.7	10	-12.2	28	2.9	5.5	4.98	103	.79	9	18	14	9	10	0	0	0	16	23	24	0	-	-	
	Chapel en le Frith ...	99	732	3.7	-2.1	0.8	-	12.2	10	-11.1	28	-	-	2.61	-	.39	4	15	13	10	10	0	0	0	4	21	26	0	-	-	
	Wirksworth ...	99	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mackworth ...	99	293	4.4	-1.4	1.5	-	13.3	10	-7.8	29	-	-	2.71	-	.59	1	15	14	7	6	0	0	0	13	22	25	0	-	-	
	Belper ...	99	203	-	-	-	-	-	-	-	-	-	-	3.21	128	.60	30	14	13	7	5	0	0	0	-	-	-	-	-	-	
	Derby ...	99	159	5.3	0.8	3.1	-	13.9	10	-7.2	29	-	-	2.82	-	.64	29	15	13	5	4	0	0	0	14	21	23	0	1.16	-	
	Morley ...	99	350	4.4	-1.3	1.5	-	12.8	10	-7.8	29	-	-	3.05	-	.57	1	14	13	7	4	0	0	0	-	23	26	0	1.69	-S	
	Chesterfield ...	99	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nottingham	Sutton Bonington ...	99	157	-	-1.2	-	-	13.9	10	-8.9	29	4.5	7.2	3.08	160	1.00	29	15	13	7	3	0	1	0	9	20	24	1	1.55	150	
	Wattall ...	21-9	385	4.0	-0.8	1.6	-	13.0	11	-7.6	25	-	-	3.51	150	.85	29	16	14	10	3	1	0	1	13	20	23	0	1.99	-	
	Mansfield ...	99	362	4.4	-0.9	1.7	-2.0	12.8	10	-8.3	25,26	3.7	-	2.87	117	.91	29	15	13	5	4	0	0	0	8	20	22	0	-	-	
	Nottingham *§	99	192	4.9	-0.2	2.3	-2.1	14.4	10	-7.2	29	3.4	6.2	2.94	145	.75	29	15	15	6	2	0	0	0	12	18	22	0	1.85	168	
	Warsop (Gleadthorpe)	99	150	4.6	-2.1	1.3	-	13.3	10,12	-11.7	25	-	-	2.43	121	.77	29	16	13	9	4	0	0	0	13	24	27	0	1.42	-	
	Finningley ...	21-9	34	4.3	-0.2	2.1	-	13.7	12	-8.3	29	-	-	2.30	-	.45	29	17	13	9	4	0	3	0	10	18	23	0	1.11	-S	
	Langar ...	21-9	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Leicester	Newtown Linford ...	99	388	4.2	-1.6	1.3	-	13.3	10	-9.4	28	-	-	3.49	-	1.10	29	13	12	8	3	0	0	0	5	22	23	0	2.34	-	
	Leicester (Towers)	99	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Caldecott ...	99	175	5.2	-2.9	1.1	-	14.4	10	-12.2	29	-	-	3.08	-	.85	29	14	11	-	3	-	-	-	5	23	24	-	1.87	-	
Northampton	Wellingborough ...	99	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Raunds ...	99	193	4.7	-1.4	1.7	-	13.9	10	-9.4	29	3.8	8.4	3.63	190	.81	29	16	12	4	3	0	0	0	7	21	22	0	-	-	
	Wittering ...	21-9	212	4.4	-0.4	2.0	-	14.3	10	-9.2	29	-	-	3.54	-	.78	29	13	10	8	2	2	1	0	4	19	20	0	2.44	-	
Warwick	Birmingham K.E.S.	99	450	4.6	-0.3	2.1	-	13.9	10	-7.2	29	-	-	2.61	-	.85	29	13	10	5	3	0	0	0	5	18	20	-	-	-	
	Birmingham *§	21-9	536	4.0	0.3	2.1	-2.3	13.2	10	-8.0	29	5.6	8.5	3.38	125	.83	29	13	11	8	2	1	1	0	4	17	21	1	1.72	148	
	Luddington ...	99	138	4.8	-0.9	1.9	-	14.4	13	-9.4	28	-	-	3.18	168	.75	29	15	12	4	3	0	1	0	5	20	24	1	1.98	-	
	Stratford on Avon ...	99	160	4.7	-1.3	1.7	-	13.9	10,13	-8.9	28	4.1	-	3.66	-	1.07	29	15	12	7	3	0	1	0	5	19	27	0	2.20	-	
	Birmingham Airport*	21-9	319	4.1	-1.0	1.5	-	13.9	10	-10.2	28	-	-	3.55	147	.97	29	14	11	9	2	0	1	0	7	20	22	0	1.87	-	
	Shipton on Stour ...	99	365	4.6	-1.4	1.6	-	14.4	10	-10.6	29	4.8	-	3.48	-	.75	29	15	13	6	3	0	0	1	8	19	25	-	2.07	-	
	Wellesbourne ...	99	153	4.7	-1.0	1.9	-	13.9	10	-9.4	28,29	3.8	6.7	3.48	174	1.01	29	15	13	7	3	0	1	0	7	20	24	1	2.02	-	
	Moreton Morrell...	99	280	4.7	-1.0	1.9	-	14.4	10	-9.4	29	-	-	2.94	-	.48	1	17	14	6	3	0	0	0	9	19	24	2	1.84	-S	
	Coventry...	99	338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Rugby ...	99	385	4.7	-0.8	1.9	-	13.9	10	-8.9	29	3.3	7.2	3.76	-	.75	29	15	13	5	3	0	0	0	-	19	25	1	-	-	
Oxford	Oxford *§	99	208	5.3	-0.3	2.5	-2.1	14.4	10	-9.4	29	3.9	7.3	3.85	169	1.05	29	14	12	6	3	0	2	0	9	19	23	0	2.47	151	
Buckingham	Aylesbury ...	99	316	5.5	-1.1	2.2	-	13.9	10,12	-10.6	29	-	-	3.54	-	.73	29	13	12	5	2	0	0	0	5	20	24	2	2.30	-	
Stafford	Keele ...	99	587	3.9	-0.8	1.5	-	12.8	10	-7.8	29	3.6	7.1	2.17	75	.66	1	14	13	9	4	0	0	0	10	22	24	0	1.65	-	
	Oaken ...	99	409	4.2	-1.3	1.5	-2.2	13.3	10	-7.8	25,28	4.2	-	2.96	-	.82	29	13	11	-	-	-	-	-	20	27	-	-	-		
	Wheaton Aston ...	99	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Stone ...	99	350	4.2	-1.6	1.3	-	13.3	10	-8.3	28	-	-	2.80	-	.79	1	12	12	5	3	0	0	0	7	21	27	0	1.14	-	
	Penkridge ...	99	330	4.4	-1.3	1.5	-	13.3	10	-8.3	29	-	-	2.43	-	.70	29	11	11	4	3	0	0	0	7	18	28	0	-	-	
	Onecote ...	99	1350	2.5	-2.1	0.2	-	10.6	10	-8.9	29	2.8	6.2	5.30	-	1.10	30	14	14	3	8	0	1	0	10	23	25	1	1.65	-	
Sh																															

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE						
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n			Number of days				Daily Mean	Percentage of Average								
			A	B			Maximum	Date	Minimum	Date					Amount	Date	-0.1in. (0.2mm.) or more	-0.1in. (1.0mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard			Fog at 9h.	Air Frost	Grass min. °C. or less	Gale				
			°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr	%	
5 ENGLAND, S.E.—cont.			G.M.T.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.	Date	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	hr	%	
Surrey	Wisley ...	9 9	150	5.9	0.4	3.1	-1.4	13.9	10,11,12	-8.3	28	4.3	7.7	3.31	131	.51	31	16	11	5	1	0	0	0	0	0	0	7	18	24	2	1.18	89
	Mickleham ...	9 9	179	6.4	-1.1	2.7	-	14.4	10	-11.1	27	-	-	4.31	138	.81	29	13	12	1	1	0	0	0	0	0	0	6	20	23	0	-	-
Kent	Kew Observatory ¶§	21-9	18	6.3	2.2	4.3	-0.8	14.1	10,12	-3.9	28	4.2	8.2	3.24	157	.58	29	14	12	3	1	0	0	0	0	0	6	15	20	0	1.75	136	
	Gatwick ...	21-9	192	6.0	-0.5	2.7	-	14.4	12	-9.6	28	-	-	3.90	-	.59	29	14	13	1	1	0	0	0	0	0	5	20	22	3	2.54	-	
Sussex	Croydon (Waddon)	9 9	220	6.7	0.1	3.4	-1.4	14.4	4,10	-8.3	25	-	-	3.46	126	.80	31	13	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Addington ...	9 9	474	5.8	0.6	3.2	-0.9	13.9	10	-6.7	25	-	-	3.77	131	.65	29	17	12	-	-	-	-	-	-	-	5	16	-	-	-	-	
Sussex	Bromley ...	9 9	213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Swanley ...	9 9	177	6.6	-0.1	3.3	-	14.4	10,12	-7.2	18,19	5.2	-	3.53	-	1.32	31	15	11	3	1	0	0	0	0	0	8	19	22	0	2.00	-	
Sussex	Dartford ...	9 9	17	7.0	0.2	3.6	-	15.0	10,12	-6.7	18,19,25	-	-	3.23	161	.68	31	15	11	1	1	0	0	0	0	0	6	18	-	0	-	-	
	Tunbridge Wells	9 9	351	6.4	-0.7	2.9	-1.0	13.3	4,10,12	-6.7	7,19,26	3.9	7.1	3.96	125	.69	29	16	13	2	1	0	0	0	0	0	3	19	20	4	2.63	159	
Sussex	Goudhurst ...	9 9	280	6.7	-0.4	3.1	-	14.4	12	-9.4	25	-	-	4.48	131	1.23	4	14	12	2	0	0	0	0	0	0	2	18	20	2	-	-	
	East Malling ¶§	9 9	122	6.9	-0.3	3.3	-1.0	15.0	12	-8.9	25	-	7.6	3.45	133	.51	4	15	13	1	0	0	0	0	0	5	20	21	1	2.63	198		
Sussex	Benenden ...	9 9	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Gillingham ...	9 9	10	7.3	0.7	4.0	-	15.0	10,12	-6.1	18	-	-	2.59	-	.42	30	13	12	1	0	0	0	0	0	0	6	17	-	0	2.64	-	
Sussex	Sittingbourne ...	9 9	224	7.3	0.2	3.7	-	13.9	10,12	-7.8	25,26	5.0	8.3	3.83	-	.87	31	13	12	2	0	0	0	0	0	0	5	17	19	1	2.97	-	
	Isle of Grain ...	9 9	9	7.4	2.3	4.9	-	15.0	12	-3.3	25	-	-	2.42	-	.47	31	14	12	-	0	0	0	0	0	0	2	11	17	-	2.45	-	
Sussex	Throwley ...	9 9	493	6.8	0.4	3.6	-	13.3	10,11,13	-7.2	25	4.8	8.4	4.58	-	.82	4	16	14	4	0	0	0	0	0	0	6	17	22	4	2.75	-	
	Faversham ...	9 9	157	6.6	0.3	3.5	-	13.9	10,12	-8.9	25	5.3	8.1	3.66	-	.71	4	16	13	1	0	0	1	0	0	4	17	20	2	2.95	-		
Sussex	Dungeness ...	21-9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wye ...	9 9	185	7.0	0.4	3.7	-0.5	14.4	12	-6.1	18,25,26	-	-	3.31	107	.50	29	15	13	1	0	0	0	0	0	0	3	18	21	2	2.80	170	
Sussex	Whitstable ...	9 9	9	7.0	0.8	3.9	-	14.4	10,12	-8.3	25	-	-	3.33	169	.53	31	15	13	1	1	0	0	0	0	0	0	0	18	-	0	2.45	-
	Folkestone ...	9 9	128	7.3	2.7	5.0	-	13.9	12	-3.3	24	-	-	3.19	121	.41	30	15	12	1	0	0	0	0	0	0	1	12	18	1	2.89	-	
Sussex	Wingham (Elmstone)	9 9	28	7.1	-0.1	3.5	-	14.4	12	-7.8	18,19,25	-	-	2.74	-	.42	4	15	14	-	0	0	0	0	0	0	1	19	-	-	-	-	
	Herne Bay ...	9 9	21	7.2	2.3	4.7	-	14.4	10,11,12	-2.8	25	-	-	3.30	156	.50	30	14	13	1	0	0	1	0	0	1	1	10	-	1	2.56	-	
Sussex	Dover ...	9 9	19	7.3	2.8	5.1	-0.3	13.3	10,11,12	-2.2	24	6.4	9.2	3.55	122	.51	4	16	13	1	0	0	0	0	0	2	11	14	2	2.60	-		
	Dover R.M.S. ...	9 9	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sussex	Deal ...	21-9	18	7.1	3.9	5.5	-	14.5	10,11,12	-2.3	31	-	-	2.92	-	.48	4	15	14	2	0	0	0	0	0	1	7	10	0	-	-		
	Ramsgate ...	9 9	80	7.7	2.7	5.2	-	15.0	12	-1.7	24	-	-	3.36	164	.73	31	15	14	1	1	0	0	0	0	0	1	9	-	-	-	-	
Sussex	Manston ...	21-9	145	6.7	1.9	4.3	-	14.4	10	-3.6	28	-	-	3.02	-	.65	31	14	12	2	0	0	0	0	0	3	16	18	1	-	2.51	160	
	Margate ...	9 9	51	7.4	3.1	5.3	-0.3	14.4	10,12	-2.2	24	5.7	9.1	3.02	159	.55	31	13	13	1	1	0	0	0	0	0	0	9	16	0	2.55	166	
Sussex	Thorney Island ...	21-9	10	6.9	1.8	4.3	-	14.1	12	-6.8	28	-	-	3.74	132	.53	4	14	13	3	0	0	0	0	0	0	2	16	19	0	2.62	-	
	Bognor Regis ...	9 9	24	7.1	1.9	4.5	-1.1	12.8	12	-5.0	25	-	9.5	4.36	143	.66	29	15	13	2	0	0	0	0	0	2	14	19	0	2.91	144		
Sussex	Littlehampton ...	9 9	15	7.4	1.3	4.3	-1.0	13.3	12	-5.0	28	-	8.3	4.72	159	.89	4	14	13	1	0	0	0	0	0	2	16	-	0	2.83	145		
	Rustington ...	9 9	10	7.4	1.0	4.2	-	13.9	12	-6.1	28	-	8.3	4.65	-	.79	4	15	13	-	0	0	0	0	0	1	7	21	-	2.53	-		
Sussex	Worthing ...	9 9	25	7.3	1.9	4.6	-0.8	12.8	4,11,12	-3.9	24,25,26	5.4	9.1	4.21	145	.88	4	15	13	1	0	0	0	0	0	0	0	4	21	1	2.87	141	
	Brighton ...	9 9	32	7.4	1.9	4.7	-	13.3	4	-5.6	25	-	9.0	3.80	135	.53	30	15	13	1	0	0	0	0	0	5	14	18	2	2.63	-		
Sussex	East Grinstead ...	9 9	440	7.1	-0.7	3.2	-	15.0	11	-11.1	28	-	-	4.03	-	.74	29	14	12	1	1	0	0	0	0	0	1	12	16	0	2.54	136	
	Seaford ...	9 9	45	7.6	1.9	4.7	-	12.8	4,11,12	-4.4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sussex	Eastbourne ...	9 9	35	7.6	2.7	5.1	-0.6	13.9	10	-3.3	26	6.5	10.5	4.10	123	.52	13	15	13	1	0	0	0	0	0	1	12	16	0	2.54	136		
	Eastbourne (C/guard)	21-9	17	7.4	2.9	5.1	-	13.7	4	-3.9	18	-	-	3.99	-	.53	4	14	13	1	0	0	0	0	0	0	0	16	17	3	-	-	
Sussex	Bexhill ...	9 9	14	7.6	2.1	4.9	-0.5	13.3	10,11,12	-3.9	26,27	6.7	-	3.59	117	.50	4	15	14	1	0	0	0	0	0	3	16	18	3	2.28	-		
	Sedlescombe ...	9 9	175	6.9	0.8	3.9	-	13.3	10,11	-6.7	25	-	-	4.27	-	.65	4	14	14	1	0	0	0	0	0	0	0	18	21	3	-	-	
Sussex	Bodiam ...	9 9	73	7.4	-0.2	3.6	-	14.4	10,12	-7.2	18,19,25	5.4	9.0	4.13	-	.81	4	14	13	-	0	0	0	0	0	4	19	23	-	2.44	-		
	Hastings																																

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days										BRIGHT SUNSHINE								
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n -0.1in. (0.2mm.) or more -0.4in. (1.0mm.) or more	Snow or Sleet	Snow lying at 6h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 6h.	Air Frost	Grass min. (°C. or less)	Gale	Daily Mean	Percentage of Average							
			A	B			Maximum	Date	Minimum	Date					Amount	Date																			
			Max. Min.	ft.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.													hr	%						
7a ENGLAND, N.W.																																			
Cumberland	Sellafield ...	9 9	43	6.0	0.2	3.1	-	11.1	10	-8.3	31	-	-	3.84	90	.94	4	13	11	-	0	-	-	-	-	1	19	22	-	2.07	-				
	Carlisle ...	21-9	86	4.0	-1.4	1.3	-	13.9	13	-13.9	31	-	-	2.48	-	.59	10	12	10	4	1	1	0	1	22	21	0	1.87	-	-	-				
	Newton Rigg	9 9	560	3.8	-2.9	0.5	-3.0	11.1	10,12,13	-14.4	31	2.8	-	2.98	90	.85	10	14	12	-	8	1	1	0	0	23	26	0	1.58	1498	-	-			
	Spadeadam	9 9	900	3.1	-2.6	0.3	-	10.6	13	-14.4	31	1.9	4.8	4.25	-	1.05	10	17	12	9	6	0	3	0	1	22	25	0	2.02	-	-	-			
Westmorland	Ambleside ...	9 9	151	4.3	-2.4	0.9	-	11.1	10,12	-13.3	31	-	-	6.71	83	2.03	10	16	13	10	3	3	0	0	0	21	-	0	1.82	-	-	-			
	Great Dun Fell ...	-	2780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67	-	-	-				
Lancashire	Moor House ...	9 9	1840	1.8	-4.9	-1.5	-	8.3	10,13,15	-15.0	31	2.4	-	6.07	-	1.76	10	18	15	-	12	-	-	-	7	23	27	-	1.52	-	-	-			
	Barrow-in-Furness	9 9	55	5.5	-0.1	2.7	-	11.1	10	-8.9	31	4.6	-	3.70	-	.85	4	12	10	-	2	1	-	-	7	20	-	-	-	-	-	-			
	Squires Gate ...	21-9	33	4.1	-0.7	1.7	-	12.3	13	-9.6	31	-	-	2.75	87	.44	10	13	13	5	2	2	1	1	3	19	22	2	1.75	-	-	-	-		
	Urswick ...	9 9	130	5.2	-1.4	1.9	-	11.7	10	-13.9	31	-	-	4.04	-	1.02	4	13	11	4	2	1	2	0	11	21	-	3	-	-	-	-			
	Poulton-le-Fylde	9 9	38	4.8	-0.8	2.0	-	14.4	13	-8.9	26	-	-	2.80	-	.52	4	14	12	5	1	0	3	0	4	18	-	0	-	-	-	-	-		
	Grizedale ...	9 9	300	4.8	-3.0	0.9	-	11.7	10	-13.3	31	3.6	-	6.38	-	1.34	4	14	12	7	7	0	2	0	1	22	28	0	-	-	-	-	-		
	Speke ...	21-9	80	4.6	0.4	2.5	-	13.6	10	-8.8	28	-	-	2.58	91	.51	1	14	14	10	2	0	2	0	6	16	19	1	1.39	-	-	-	-		
	Kirkham ...	9 9	77	4.6	-1.1	1.7	-	12.8	13	-7.2	27,31	-	-	2.80	81	.56	10	14	13	4	2	2	0	1	4	19	24	0	1.44	-	-	-	-		
	Garstang ...	9 9	68	4.9	-0.7	2.1	-	12.2	10,13	-8.3	31	-	-	2.88	-	.65	10	13	12	-	5	1	-	-	2	19	24	-	1.67	-	-	-	-		
	Morecambe ...	9 9	24	5.3	-0.8	2.3	-2.5	-	11.7	10,11,13	-6.1	31	-	-	3.16	87	.86	4	12	10	2	2	1	0	0	1	19	-	0	1.23	98	-	-	-	
	Preston (Moor Pk.)	9 9	108	4.6	-0.6	2.1	-	12.8	10,13	-8.3	31	-	-	3.14	88	.64	4	14	14	8	3	1	1	3	5	18	23	0	-	-	-	-	-		
	Bolton ...	9 9	352	3.9	-1.9	1.0	-3.3	-	12.2	10,13	-8.9	7	3.9	8.1	4.43	-	.86	4	16	16	3	6	0	0	0	6	22	29	0	0.82	-	-	-	-	
Darwen ...	9 9	724	3.8	-1.1	1.3	-2.4	-	11.1	10,13	-7.8	31	-	6.0	4.47	85	1.12	4	14	13	8	6	2	0	0	1	21	-	0	-	-	-	-	-		
Stonyhurst	9 9	377	4.1	-1.4	1.3	-2.9	-	12.2	13	-8.3	31	-	-	3.83	86	.86	4	14	12	-	3	-	-	-	5	20	23	-	1.59	143	-	-	-		
Manchester	Weather Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Helmshore ...	9 9	854	3.6	-1.1	1.3	-	11.1	10,13	-8.3	7	3.4	-	5.65	-	1.13	4	15	14	-	7	-	-	-	7	21	23	-	0.96	-	-	-	-		
	Manchester (Smokeless Zone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Burnley ...	9 9	655	4.2	-1.8	1.2	-	11.7	10,13	-11.1	31	4.6	7.4	3.04	-	.78	4	15	13	4	5	1	0	0	0	23	27	0	1.22	-	-	-	-	-	
	Nelson ...	9 9	540	3.7	-1.7	1.0	-	12.2	13	-9.4	31	3.2	6.8	3.64	87	.72	4	17	15	-	7	-	-	-	8	21	24	-	0.64	-	-	-	-		
	Rochdale ...	9 9	362	4.2	-1.9	1.1	-	12.2	10,13	-10.6	7	-	-	4.00	-	.74	4	14	13	5	4	1	0	0	11	22	25	1	0.74	-	-	-	-		
Cheshire	West Kirby Park	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Bidston Obs'y.	9 9	198	4.4	0.4	2.4	-2.7	12.8	10	-6.7	28	-	-	2.52	96	.48	4	13	13	-	-	-	-	-	-	10	17	20	-	1.86	143	-	-	-	
	Northwich (Winnington)	9 9	65	4.9	-0.4	2.3	-	13.9	13	-8.9	25	-	-	2.39	88	.44	1	15	12	7	2	1	0	0	2	18	21	1	-	-	-	-	-	-	
	Manchester Airport	21-9	248	4.2	-0.2	2.0	-2.2	13.4	13	-9.1	28	-	-	2.25	82	.37	4	13	13	7	4	0	3	0	4	18	20	0	1.78	200	-	-	-	-	-
	Macclesfield ...	9 9	500	4.2	-0.8	1.7	-2.0	12.2	10,13	-9.4	28	-	-	2.27	72	.50	1	14	13	10	6	0	1	0	9	19	-	4	-	-	-	-	-	-	
7b NORTH WALES																																			
Flint	Rhyl ...	9 9	31	6.2	0.3	3.3	-2.6	13.9	10	-7.8	28	-	-	3.02	122	.65	29	14	11	5	2	2	0	1	1	15	18	2	2.34	175	-	-	-	-	
	Prestatyn ...	9 9	12	5.9	-0.5	2.7	-	13.9	10,13	-8.9	25	-	-	3.09	116	.72	1	14	12	6	2	0	0	1	2	15	-	0	-	-	-	-	-	-	
	Hawarden Bridge	9 9	17	4.8	-1.1	1.9	-3.1	14.4	10	-11.1	28	-	-	2.64	107	.58	1	14	14	4	2	1	4	0	6	17	-	0	-	-	-	-	-	-	-
Anglesey	Holyhead (Valley)	21-9	26	6.6	2.1	4.3	-2.6	12.6	11	-4.5	25,28	-	-	3.72	105	.67	4	15	13	5	2	3	0	2	1	12	18	2	2.45	188	-	-	-	-	-
Denbigh	Colwyn Bay ...	9 9	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Alwen ...	9 9	1100	4.3	-3.8	0.3	-	11.7	12	-16.1	28	-	-	5.84	-	1.45	4	15	15	-	1	-	-	-	-	26	26	-	-	-	-	-	-	-	
	Ruthin ...	9 9	248	5.4	-1.3	2.1	-	13.3	10,13	-10.6	31	-	-	3.25	-	.66	4	15	13	-	5	-	-	-	1	22	-	-	-	-	-	-	-	-	
	Wlchgwyn ...	9 9	1267	3.4	-1.8	0.8	-	11.1	10	-10.0	25	3.7	-	4.34	-	.79	29	17	12	-	1	0	0	0	3	23	25	1	-	-	-	-	-	-	
	Ruabon ...	9 9	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wrexham ...	9 9	275	4.4	-1.9	1.3	-	13.9	10	-11.1	25,28	4.2	7.1	2.81	-	.55	29	14	11	10	4	0	0	0	16	21	26	0	-	-	-	-	-	-	
Caernarvon	Bardsey Island ...	21-9	60	7.6	3.1	5.3	-	14.5	11	-3.0	24	-	-	2.87	-	.52	4	12	12	-	1	-	-	-	0	7	8	-	-	-	-	-	-	-	
	Botwnnog ...	9 9	112	6.9	1.2	4.1	-	12.8	10	-5.6	28	4.9	8.3	3.68	-	.60	4	16	14	3	2	0	4	1	0	15	21	1	2.79	-	-	-	-	-	
	Bryn Adda ...	9 9	275	7.2	1.3	4.3	-	12.8	9,10,12	-5.0	28	-	-	4.66	-	.76	29	16	15	5	2	1	1	0	0	15	23	0	2.23	-					

TABLE III (continued)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER										BRIGHT SUNSHINE				
			Means of		Difference from Average	Highest Maximum and Lowest Minimum				1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Ice or snow pellets etc.	Thunder heard	Fog at 9h.	Air Frost	Grass min. °C or less	Gale	Daily Mean	Percentage of Average			
			A	B		Maximum	Date	Minimum	Date					Amount	Date	0.1in. (0.2mm.) or more	0.01in. (0.1mm.) or more														
			Max.	Min.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	in.	%	in.																
ENGLAND, S.W.																															
Somerset	Hawkridge (Liscombe)	99	1030	4.9	0.1	2.5	-	12.8	10,11	-6.7	24	-	-	6.80	-	.88	11	18	15	3	4	0	2	0	2	16	21	0	-	-	
	Cannington	99	95	6.2	0.4	3.3	-	15.0	10	-8.3	28	5.7	-	3.62	121	1.30	29	16	13	1	0	0	0	0	2	15	18	0	2.24	-	
	Weston-s.-Mare	99	28	5.8	0.7	3.3	-	14.4	13	-7.2	29	-	-	4.71	153	1.32	29	15	15	4	1	0	1	0	6	15	20	2	2.07	135	
	Long Ashton	99	162	5.8	0.3	3.1	-2.0	15.0	10	-7.2	28	5.6	-	4.29	122	1.17	29	16	14	4	3	0	0	1	5	16	24	0	1.87	128	
	Bath (City Boys' School)	99	388	5.4	-0.4	2.5	-	14.4	10	-8.3	28,29	-	-	3.67	-	1.12	29	14	12	2	1	0	0	0	5	18	-	0	-	-	
	Bath	99	67	5.7	-0.2	2.7	-2.4	15.0	10	-10.0	28	4.6	7.9	3.81	130	1.30	29	16	14	5	1	0	0	0	6	17	20	0	1.44	98S	
Dorset	Portland Bill	21-9	35	7.9	4.9	6.4	-0.9	13.1	10	-1.5	28	-	-	3.23	106	.48	29	13	12	2	0	0	0	0	0	4	-	5	-	-	
	Weymouth	99	16	8.2	2.4	5.3	-1.1	13.9	13	-4.4	28,29	-	-	3.86	111	.65	29	16	14	1	0	0	0	0	0	4	-	2.34	129	-	
	Shaftesbury	99	680	5.4	-0.1	2.7	-1.6	12.8	10	-8.9	29	-	-	(3.74)	107	1.20	29	(17)	(15)	1	1	2	1	0	0	4	17	-	-	-	
	Swanage	99	37	8.1	2.8	5.5	-	13.3	11,12	-5.6	28	9.6	-	4.52	-	.50	28	15	14	3	1	0	0	0	0	12	15	6	1.76	-	
	Poole	99	18	7.5	0.7	4.1	-	13.9	10,11,12	-7.4	28	-	-	(3.77)	-	.45	10	(15)	(15)	2	1	0	0	0	0	1	16	-	2.50	-	
Devon	Hartland Pt.	21-9	298	6.7	3.5	5.1	-	13.2	10	-5.6	28	-	-	3.83	-	.59	12	15	14	1	0	1	0	0	0	10	11	8	2.04	-	
	Plymouth (Mt. Batten)	21-9	87	8.0	3.8	5.9	-1.2	13.8	10	-3.8	28	-	-	5.26	117	.99	29	15	14	4	0	2	0	0	0	9	14	2	1.86	106	
	Plymouth (The Hoe)	99	119	8.8	4.3	6.5	-0.3	13.9	10	-1.1	7,28	7.1	9.8	5.13	115	.88	29	16	14	1	0	0	0	0	6	18	6	1.98	111		
	Tavistock	99	457	7.5	2.1	4.8	-0.9	13.3	10,12	-7.2	28	-	-	4.99	-	.72	29	18	16	3	0	0	2	0	0	12	19	3	-	-	
	Chivenor	21-9	20	7.3	2.6	4.9	-	14.8	10	-7.4	28	-	-	3.55	-	.58	3	16	15	1	0	2	0	1	0	13	16	4	2.42	-	
	Ilfracombe	99	25	7.8	3.1	5.5	-1.8	14.4	10	-6.1	28	6.1	9.7	4.55	104	.56	12	15	12	0	0	1	0	0	0	8	15	1	2.16	170	
	Princetown	99	1359	-	-	-	-	-	-	-	-	-	-	8.02	78	1.34	7	14	11	-	-	-	-	-	-	-	-	-	-	-	
	Totnes	99	120	8.2	1.8	5.0	-	14.4	10	-5.0	7,8	7.4	10.0	6.35	112	.89	4	18	16	5	1	0	0	0	2	13	20	1	1.36	-	
	Slapton	99	104	9.0	4.2	6.6	-	13.9	10	-2.2	28	-	-	5.50	-	.69	9	16	16	5	0	0	1	0	0	4	7	1	-	-	
	Newton Abbot	99	272	7.8	2.2	5.0	-0.8	14.4	11,12	-5.0	28	-	-	4.76	101	.86	29	17	13	4	2	0	1	0	0	12	18	0	1.58	85	
	Paignton	99	8	8.9	3.4	6.1	-	15.0	10	-3.3	28,29	-	-	4.53	101	.66	29	17	13	2	0	0	0	0	0	7	17	1	1.46	83	
	Torquay	99	26	8.6	3.8	6.2	-0.6	14.4	10,11,12	-2.8	28	-	9.4	4.58	113	.79	29	17	13	4	0	0	0	0	2	6	13	6	1.77	93	
	Teignmouth	99	20	8.6	3.9	6.3	-0.6	15.6	11	-3.3	28	-	-	3.44	89	.88	29	16	12	2	0	0	0	0	0	7	9	4	1.82	96	
	Starcross	99	29	7.9	1.9	4.9	-	15.0	10,12	-5.6	28	5.8	-	3.32	-	.89	29	14	12	2	0	0	0	0	0	13	21	0	1.95	-	
	Exeter (Southam)	99	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Exmouth	99	195	7.4	1.8	4.6	-1.4	15.0	11,12	-6.7	28	-	-	3.45	93	.93	29	14	13	2	0	0	1	0	2	13	-	0	2.05	111	
	Exeter	21-9	106	6.8	1.9	4.3	-	15.1	10	-7.2	28	-	-	2.67	73	.91	29	15	11	4	1	1	0	0	0	16	19	2	2.04	-	
	Sidmouth	99	25	7.9	2.3	5.1	-1.1	14.4	10,11,12	-5.0	28	-	-	2.96	-	.73	29	13	13	1	0	0	0	0	0	12	15	-	2.12	-	
Cornwall	St. Mary's, Scilly	21-9	158	9.8	7.5	8.7	+0.3	13.5	11	2.2	31	-	-	3.99	113	.45	12	21	17	1	0	0	4	0	1	0	-	9	1.85	102S	
	Penzance	99	62	10.3	5.5	7.9	0.0	13.9	10,12	-2.2	7,28	-	-	4.61	95	.90	7	20	14	1	0	2	0	0	0	2	8	2	1.83	103	
	Gulval	99	50	10.0	5.1	7.5	0.0	14.4	10	-2.2	28	-	-	3.90	-	.84	7	16	13	-	0	-	-	-	0	3	-	1.53	88		
	Culdrose	99	288	9.3	4.7	7.0	-	13.3	4,10	-2.2	28	-	-	4.08	-	.63	9	16	15	2	0	0	1	0	1	4	8	0	1.74	-	
	Camborne (Rosewarne)	99	250	9.2	4.9	7.1	-	13.9	10	-2.2	28	7.2	9.3	3.77	-	.64	7	19	16	2	0	2	0	0	0	3	11	3	2.05	-	
	Lizard	99	240	10.1	5.8	7.9	-	13.4	14,15	0.0	31	-	-	3.26	84	.47	9	17	16	1	-	0	0	0	-	1	10	1	1.90	-	
	Falmouth	99	167	9.7	5.0	7.3	+0.1	14.4	10	-1.7	29	-	-	4.83	91	.73	9	17	16	1	0	1	0	0	0	4	8	1	1.33	75	
	Newquay	99	178	8.9	4.0	6.5	-0.4	14.4	11	-3.9	28	-	-	3.53	92	.56	9	15	15	1	-	0	2	0	0	7	-	2	1.94	115	
	St. Mawgan	21-9	337	7.9	4.0	5.9	-	14.1	10,11	-4.6	28	-	-	3.56	-	.59	9	15	14	3	0	3	0	0	0	9	10	4	2.15	-	
	St. Austell	99	310	8.9	3.6	6.3	-	13.9	10,12	-3.9	29	-	-	4.27	76	.62	7	16	16	1	0	1	0	1	0	8	-	0	-	-	
	Fowey	99	51	9.5	4.1	6.8	-0.3	14.4	10,12	-3.3	28	-	-	3.77	-	.69	7	17	14	2	0	0	1	0	0	3	-	2	-	-	
	Bude	99	50	7.8	2.7	5.3	-1.4	14.4	10	-4.4	28,29	5.2	-	3.31	87	.43	9	18	15	-	0	-	-	-	12	-	2	2.26	135		
	Ellbridge	99	190	8.2	2.4	5.3	-	14.4	10	-6.7	28,29	-	-	5.00	-	.73	9	16	13	0	0	2	0	0	0	13	18	2	1.85	-	
NORTHERN IRELAND																															
Londonderry	Eglinton	99	46	5.9	0.1	3.0	-	13.9	13	-6.7	31	-	-	3.38	-	.80	4	15	14	-	5	0	0	0	0	16	25	0	-	-	
	Ballykelly	99	3	5.8	0.3	3.1	-2.8	13.4	13	-11.1	31	-	-	2.81	79	.72	4	16	14	10	4	2	0	0	0	1	17	22	0	1.54	119
	Garvagh	99	121	5.2	-1.2	2.0	-2.7	11.7	13	-10.0	31	4.7	-	3.32	76	.69	4	17	14	9	5	0	4	0	4	20	24	0	-	-	
Antrim	Portrush	-	18	-	-	-	-	-	-	-	-	-	-	3.38	-	.46	10	16	15	-	-	-	-	-	-	-	-	-	1.55	-	
	Aldergrove	21-9	217	5.2	0.2																										

DUPLICATE



Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Including monthly and annual tables of wind based on the records of autographic instruments

Volume 78 Number 13

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Annual Summary 1961

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REMARKS ON THE WEATHER OF THE YEAR

1961—A Nondescript Year

1961 had no major characteristic comparable with those of its two immediate forerunners - the dryness of summer 1959 and the wetness of 1960. But inevitably it had its noteworthy features: February was the mildest since 1901 in England and Wales - indeed the late winter and early spring were mild throughout the country; March was remarkably dry except in Scotland and by late in the month parts of southern England had had no measurable rain for 30 days; the end of May brought damaging frosts in the south; there was a severe gale in September in Ireland and the north of Britain, and the latter part of December was very cold, heavy falls of snow in the north preceding falls of up to 1 foot in the Midlands and south of England on the last day of the year.

Over the year as a whole temperature, rainfall and sunshine were close to the average. The mildness of late winter and early spring, and of the first part of autumn just outweighed the coolness of much of the summer and the cold spells in the early and late months. The warmest periods were around the beginning of July and at the end of August when temperatures reached 32°C (90°F) in southern England. In England and Wales the dryness of March (especially), May, June much of July, and November kept the rainfall for the year just below average. Although Scotland had only one month (May) with rainfall less than 70 per cent of average and Northern Ireland had one (April) with over twice the average, their annual rainfall was again very close to average. Apart perhaps from a rather dull April and - in the north - July, sunshine did not depart overfar from average in many months, and the year as a whole had a 10 per cent or so credit in Great Britain.

General Weather

During January periods of mild and stormy weather alternated with cold drier spells. Weather was mainly dull and wet in England and Wales but sunnier and drier in Scotland and Northern Ireland. The last week of the month was very stormy with some unusually heavy rain in southern England and gusts of more than 90 kt at a number of places in northern Scotland on the 27th. The outstanding feature of February was its mildness. In southern England the nights were unusually mild and frosts very infrequent. Afternoon temperatures reached 18°C (65°F) in parts of Kent on the 14th. Gales were unusually severe on the night of the 26th/27th when a gust of 101 kt was recorded at Tírree. March was mild and exceptionally dry especially in southern England where less than 5 per cent of the average amount of rain occurred over considerable areas. In the

main centres of population in Scotland it was the mildest March, with the exception of 1938, for about 100 years. The 16th was the warmest day of an unusually warm week with temperatures exceeding 20°C (68°F) in many parts of southern England. April also was mild but was a dull, wet month, especially in western districts; at Armagh, Co. Down, it was the wettest April since 1840 and at Ross-on-Wye the wettest since 1889. Brief fair periods occurred on the 15th-18th and 27th-29th. May was unsettled at first but a long dry spell began on the 9th and lasted until almost the end of the month. Frosts on the 26th-29th severely damaged crops in central and southern England. The generally dry weather continued into June and in England and Wales it was the driest June for ten years. Southern and eastern England had a sunny month and some of the warmest days of the year came towards the end of the month and early in July with temperatures reading 31°C (88°F) on June 30th and 34°C (93°F) the following day. However July temperatures were generally below the average. Most of the month's rain fell between the 11th and 16th. Rain was heavy and prolonged over most of the country on the 12th leading to floods in many north-western and midland districts; Bolton had its greatest daily rainfall since 1887. August was generally cool and changeable but became very warm and sunny during the last two or three days of the month when temperatures at a number of places in southern England reached 32°C (90°F), the highest August temperature recorded in the United Kingdom since 1953. The very warm weather lasted into September with temperatures locally above 31°C (88°F) in England and Wales and above 25°C (77°F) in Scotland and Northern Ireland. The month generally was rather warm with alternating spells of fine and stormy weather; the 12th-16th was an unusually wet and stormy period, the country coming under the influence of vigorous depressions which had originated as hurricanes on the other side of the Atlantic; the gale of the night of the 16/17th was one of the most severe on record. October was the fifth successive October with mean temperature in Great Britain above the average generally, however air frost was widespread towards the end of the month. It was a wet month, the wettest October at Norwich since 1939, and stormy during the second half. Wind reached gale force over much of the country every day from 17th to 25th. November was a dry and sunny month, the sunniest November at Kew since records began in 1871. In spite of the cold easterly winds during the second and fourth weeks the month's temperature was about average. Although mainly dry, weather was rather changeable, except during the third week which was quiet and foggy. Snow fell in Scotland during the latter part of the month and early in December.

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The year ended with a sunny but cold month; in many central districts of England and in parts of Scotland sunshine was double the average. Very cold weather began on the 23rd and persisted until the 31st. In Scotland and northern England snow was widespread and often heavy; night frosts were very severe in most areas and fog was persistent and widespread. On the last day of the year snow extended to central and southern England where there were falls exceeding 12 inches in places.

Synoptic Features

Weather during January was mainly cyclonic with troughs and depressions moving across the British Isles except during the period 17th to 25th when a large blocking anticyclone was centred over northern Europe and the boundary between maritime and continental air lay over the country. February was also mainly cyclonic in character but an anticyclone over western Europe dominated the weather during the third week of the month and also during the first two weeks of March, which remained generally anticyclonic for most of the rest of the month with pressure high to the west and south-west of the country. During the first week of April a belt of low pressure lay across the British Isles, but apart from feeble anticyclonic periods on the 15th-18th and 27th-29th, the country was generally under the influence of depressions from the Atlantic for most of the rest of the month. This cyclonic weather continued during the first week of May, but thereafter weather was generally anticyclonic with pressure high over or to the north-west of the British Isles. Generally anticyclonic weather persisted throughout June and July apart from short unsettled cyclonic periods on June 12-17 and July 11-16. After the first two days August weather was generally cyclonic until the 8th, with a complex low pressure system to the north of the country, but from then until the 12th a ridge of high pressure moved slowly eastward from the Atlantic across the British Isles. For most of the remainder of the month a large anticyclone persisted to the south-west of the British Isles while depressions moved east and north-east between Scotland and Iceland. September provided a wide variety of weather types, ranging from warm anticyclonic through thundery cols to vigorous depressions. During the first week of October a blocking anticyclone persisted over European Russia and frontal systems approaching from the Atlantic became slow moving over the British Isles. From 12th to 16th a ridge of high pressure extended from Britain to central Europe, but for most of the second half of the month the weather over the country was cyclonic and stormy. The first two weeks of November were mainly cyclonic with pressure low to the north of the British Isles until the 9th and low to the south of the country from then until the 14th. An anticyclone covered the country from the 15th to the 18th when it moved eastwards towards the continent. A westerly air-flow was re-established on the 23rd and persisted until the end of the month. The first half of December was generally cyclonic and changeable but easterly winds prevailed during most of the second half of the month with high pressure extending for much of the time from western Europe to Greenland. Small depressions moving from the South-West Approaches to the southern North Sea brought westerlies to southern England during the last two days of the year.

Pressure and Winds

Mean pressure at 9 hr was above the average over the whole country during March, May and July and below the average during April, September and October. During February, June, August and November mean pressure was above average in the south and below in the north of the British Isles but during January and December pressure was below average in the south but above in the north of the country. An indication of the variation of the general wind direction each month is given under "General Weather", and it will be seen that surface winds were mainly light and variable during the last weeks of both April and May, the second weeks of both June and July and for most of the latter half of September; that they were predominantly south to south-east for the major part of February and for the first weeks of both March and October and that they were generally between west and north-west during the latter part of March, the first three weeks of August and the third week of October.

Wind reached gale force in England and Wales on 20 days in February, 18 in January, 15-16 days in March, April, October and November, 11-13 days in August and September and December, 6 in May and July and one in June. In Scotland gales occurred somewhat more frequently except during the spring, the corresponding figures being 22 for February, 17 for January, 20, 5, 19 and 16 for March, April, November and October respectively, 14 and 10 and 21 for August, September and December, 5 and 7 for May and July and 7 for June.

Mean hourly wind speed reached 60 kt in places during January and February and exceeded 50 kt during September, October and December. The highest mean hourly wind speeds attained during May and June were 37 and 39 kt respectively and during the remaining months of the year the corresponding speeds were between 40 and 50 kts.

During January gusts of 95, 90 and 93 kt were recorded at Lerwick, Kirkwall and Stornoway respectively. The 101 kt gust at Tisee during February was a record for an anemograph station in the British Isles. A gust of 90 kt was recorded at Tisee during September and gusts of 92 kt were also recorded during the month at Rannoch and Ballykelly. During December a gust of 91 kt was recorded at Benbecula.

The last week of January was very stormy; on the 26th, 27th and 28th there were 11, 19 and 4 hours respectively with gusts exceeding 48 kt at Lerwick. On January 27th gales were severe over the whole of Scotland and Northern Ireland and over north-west England. Mean hourly winds reached 64 kt at Lerwick, 60 kt at Stornoway and 59 kt at Kirkwall. Gales, severe at times, were frequent during the first and last weeks of February; on the evening of the 26th gusts of 101 and 89 kt were recorded at Tisee and Lossiemouth respectively. Gales were widespread and severe in Scotland on March 26th. Wind reached gale force on the 3rd and 4th of July in Scotland and on the 13th in southern England when a mean hourly wind of 45 kt and a gust of 62 kt was reached at Jersey the highest gust ever recorded in July in the United Kingdom apart from the gale

of July 29 1959. Another severe gale occurred in the English Channel on August 8. Mean hourly winds of 44 kt, 41 kt, 36 kt, and 35 kt were recorded at Dungeness, Jersey, Shoeburyness and Dover respectively with gusts of more than 60 kt at Dungeness and Jersey. The gale during the night of September 16/17 was one of the most severe on record. Mean wind speed exceeded 40 kt over much of Scotland, Northern Ireland and northern England and gusts of 90 kt or more were recorded at a number of places. During October wind reached gale force every day over much of the country from 17th to 25th and gales were severe on the 22nd and 24th; on the latter date gusts exceeding 80 kt were recorded in the Hebrides and a gust of 79 kt at Liverpool Airport was the highest in 14 years of records. Gales were frequent in the north and west during December; they were severe on the 2nd in the north and occurred on 10 days during the month at the Lizard.

Temperature

Over the year as a whole mean temperatures were slightly above the 1921-50 average, the excess being 0.2°C in England and Wales, and in Scotland, and 0.1°C in Northern Ireland. An unusually mild February ended an otherwise cold winter. Spring was mostly mild, but during May and June temperature differed little from the average though the last two months of summer were generally cool. Autumn was mainly mild but temperature in November was somewhat below the average, and the year ended, as it began, with a cold month.

Because of periods of cold winds from the continent, January temperatures were somewhat below the average generally, but weather was mild around the 12th and during the last few days of the month when temperature exceeded 12°C (54°F) in many parts of the country. February was outstandingly mild, the mildest February in England and Wales since at least 1901. Much of southern England remained frost-free during the entire month. The 14th was an exceptionally warm day for the time of year with afternoon temperatures exceeding 17°C (63°F) at many places. March too was mild particularly around the middle of the month when temperature locally exceeded 22°C (70°F), 10°C above the average. In the main centres of population in Scotland it was the warmest March, with the exception of 1938, for about 100 years. April was the third successive month with temperature above average in all parts of the United Kingdom but temperature was below average in Scotland and northern England during the first ten days of the month; however, during this time, temperature exceeded 20°C (68°F) at a number of places in central and south-east England. Mean temperatures during May were close to the average, but towards the end of the month nights were cold and there were some damaging frosts, particularly from 26th-29th. On the night of the 26th/27th air temperature fell below freezing over most of the Midlands, over much of central and south-east Wales and over most of Wiltshire and Berkshire. June temperatures were generally near the average but there was some local frost during the second week. The last few days of the month were very warm with afternoon temperatures in parts of southern England reaching 30°C (86°F). This very warm weather continued on July 1, when 34°C (93°F) was recorded in parts of the London area, but the month as a whole was generally cool with ground frost at one place or another on thirteen mornings. August was also cool generally but high day temperatures from the 27th onwards were a feature of the month. The 29th was the warmest day nearly everywhere with maximum temperatures over 30°C (86°F) in many places and reaching 32°C (90°F) locally in southern England: at Ross-on-Wye it was the warmest August day since 1942. The high day temperatures continued during the first few days of September and over the month as a whole mean temperature was above the average, although ground frost was rather widespread during the second and last weeks. October temperatures too were above the average and it was the fifth consecutive October with mean temperatures in Great Britain higher than the average generally: day temperatures, however, were somewhat below the average during the third week. Over the country as a whole November temperature was a little below the average and in parts of south-west England it was the first month since January with below average temperature. There were cold periods around the 4th, 10th and 26th, but the month began and ended with mild days. Mean temperature during December was less than the average generally, especially during the last week when there were unusually severe night frosts. In many parts of the country temperature fell below -12°C (10°F) on the night of the 31st; -16°C (3°F) recorded at Northolt was the lowest air temperature recorded in the London area since 1867.

Extreme temperatures included: (England and Wales) 33.9°C at several places on July 1, -17.2°C at Kielder Castle on December 31; (Scotland) 28.9°C at Kinlochewe on August 29, -22.2°C at Cannich on December 30; (Northern Ireland) 25.0°C at Armagh on Sept. 1, -11.1°C at Ballykelly on December 31.

The following table gives in degrees Celsius the monthly and annual deviation from the 1921-50 average temperature for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

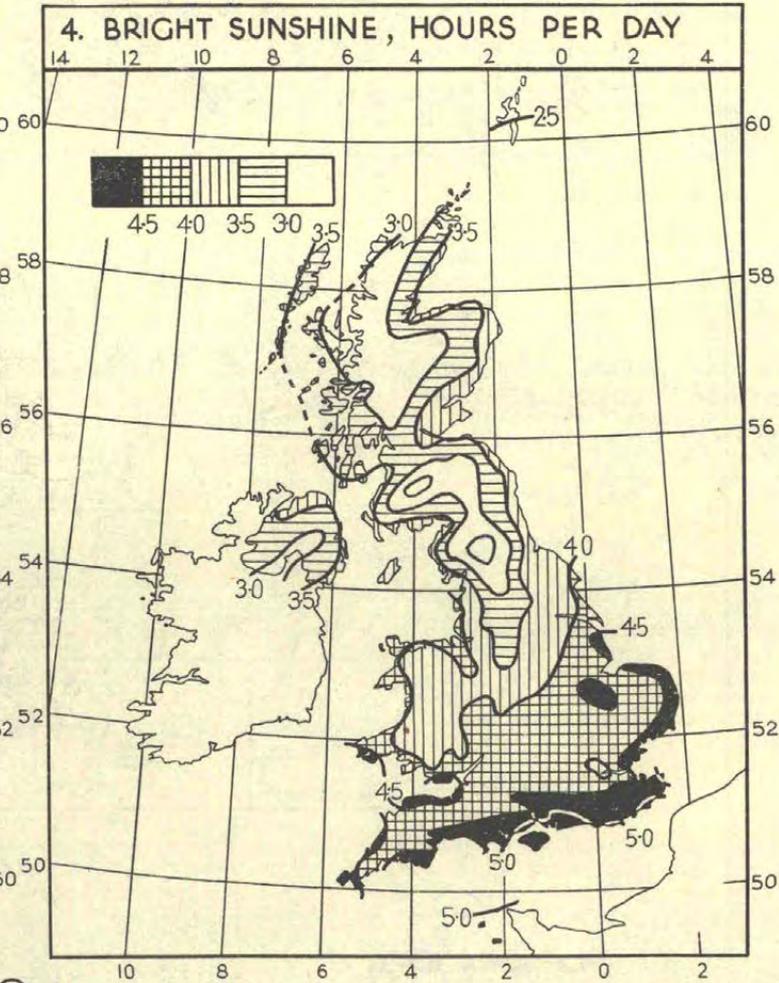
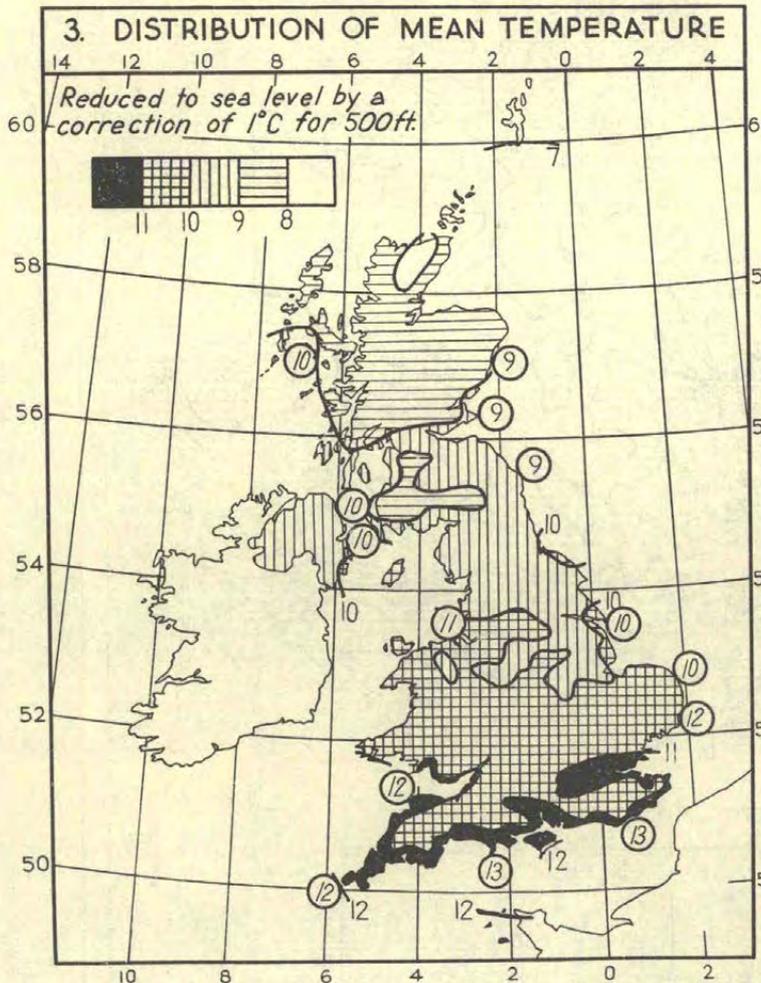
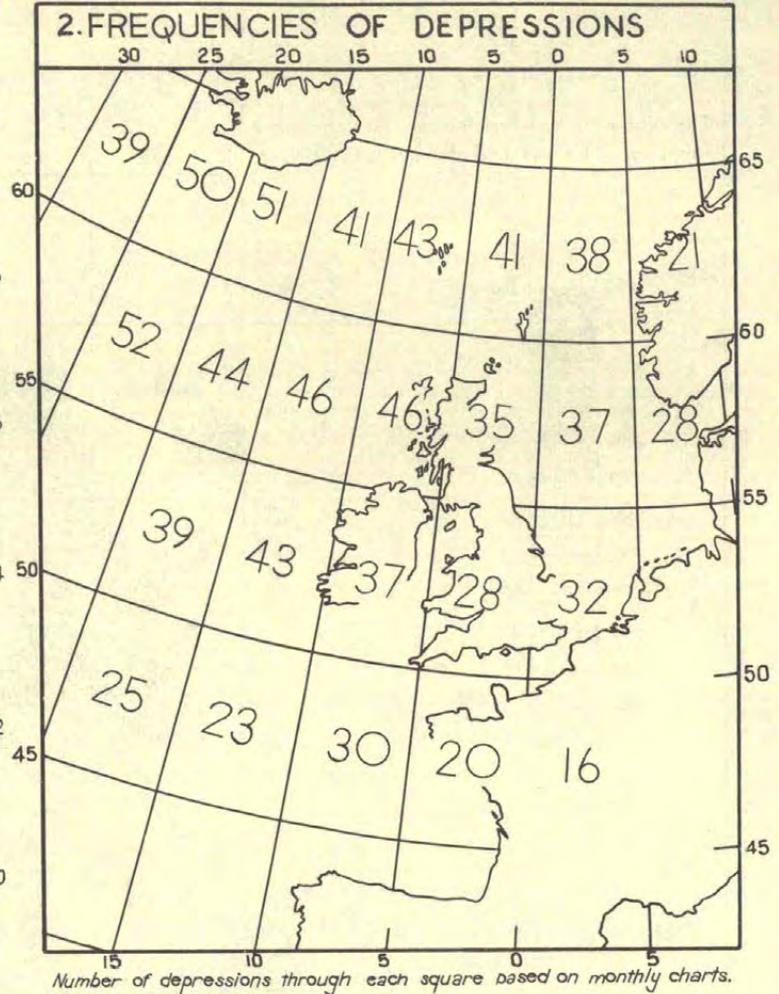
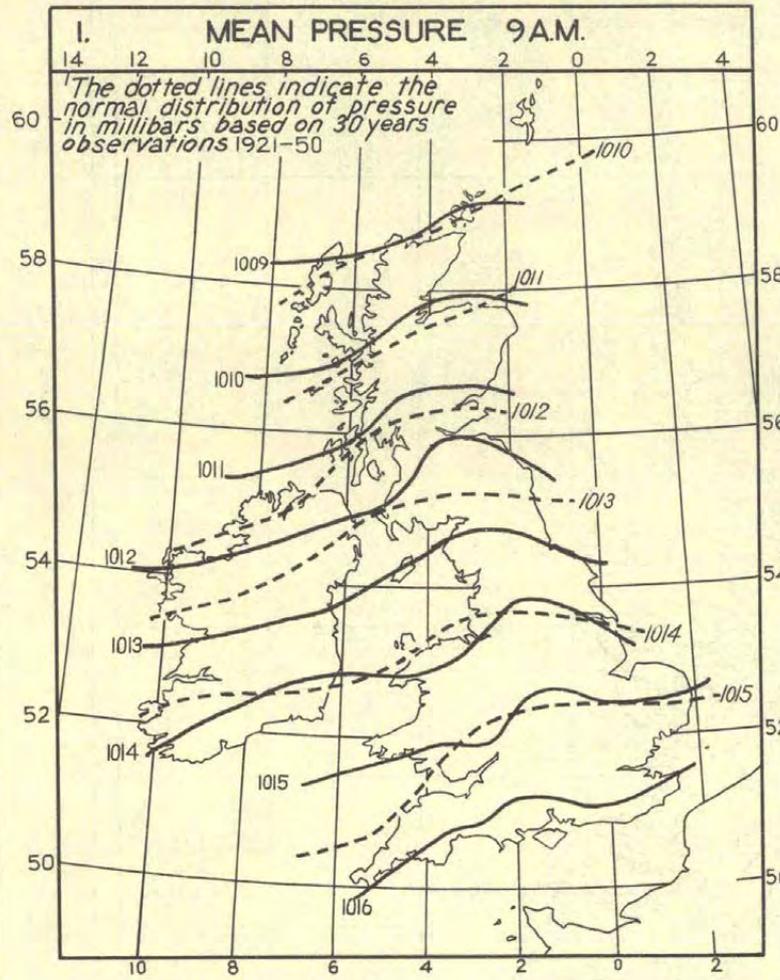
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	-0.3	+2.7	+2.3	+1.6	-0.2	+0.4	-0.9	-0.3	+1.4	+0.7	-0.2	-1.8	+0.2
(b)	-0.5	+1.8	+2.5	+0.9	+0.3	0.0	-0.9	-0.4	+1.1	+0.8	-0.6	-2.6	+0.2
(c)	-0.9	+2.2	+2.7	+0.9	0.0	0.0	-1.1	-0.5	+0.7	+0.1	-0.4	-2.5	+0.1

Precipitation

After the extremely dry summer and serious water shortages of 1959 and the persistent rain and devastating floods of 1960, the rainfall of 1961 was remarkably close to the average. England and Wales as a whole and also Northern Ireland had two per cent less than the average while the general rainfall over Scotland was three per cent more.

ANNUAL WEATHER CHARTS

1961

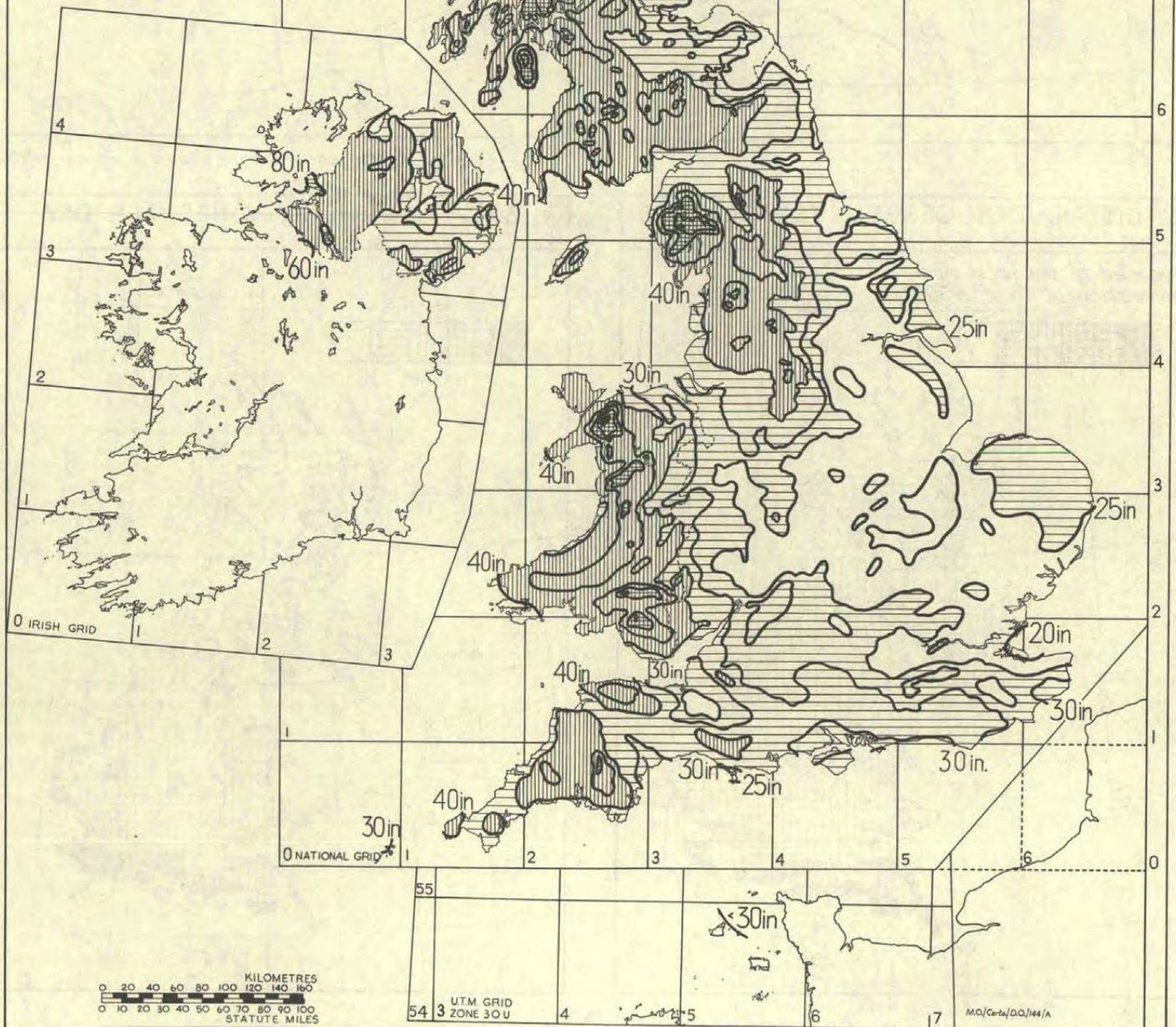
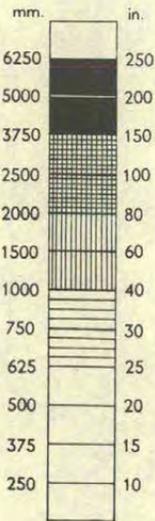


Sea temperatures are shown by figures in circles, thus: ⑩

RAINFALL

1961

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



The general rainfall for the winter half-year (October 1960 to March 1961) was 31 per cent more than the average in England and Wales, where it was the wettest of any corresponding period since that of 1940-41, but about equal to, and 2 per cent less than the average in Scotland and Northern Ireland respectively. During the summer half-year (April to September 1961), general rainfall was 4 and 6 per cent less than the average over England and Wales and over Scotland respectively and 4 per cent more than the average over Northern Ireland.

The period of very wet weather which began in July 1960 continued well into 1961, January being a wet month in England and Wales and February in Scotland and Northern Ireland. The total rainfall for the eight months July 1960 to February 1961 over England and Wales was 39.0 inches, $3\frac{1}{2}$ inches more than the next wettest July to February period (1872-73) and $2\frac{1}{2}$ inches more than the average rainfall for the whole year. Spring began and ended dry but the mid-month of the season, April, was a wet month with rainfall more than 60 per cent above the average in England and Wales and more than twice the average in Northern Ireland. It was a dry summer both in England and Wales and in Northern Ireland but rainfall was above the average in Scotland during the latter part of the season. Rainfall was in fact considerably in excess of the average in north-west Scotland from June to October. The wet weather in this part of the country and the dry weather in south-west England during these five months contrasted sharply with the weather for the corresponding period during 1960 when south-west England suffered devastating flooding after one of the wettest periods for more than 200 years while north-west Scotland experienced dry weather. In 1961, rainfall for the period May to October at Kinlochleven (Argyllshire) was 53 per cent more than the average for that period, while at Taunton, for the same period, rainfall was 57 per cent less than the average. The first two months of the autumn were generally wet but the season ended with a dry month, rainfall in England and Wales during November being only 65 per cent of the average. The year ended with December rainfall above average in England and Wales and below in Scotland and Northern Ireland.

January was a cold and stormy month with frequent snowfalls in Scotland and north-east England. The wettest areas relative to the average were in north-east England and the extreme south. From 17th to 25th eastern districts remained mainly dry, but there was rain most other days in many parts of the country. During the first half of February there was rain, often heavy in the west, on most days. The third week was generally dry; parts of southern England were without measurable rain from 8th to 22nd. The last week was again unsettled and wet, the 27th being a particularly wet day in southern England. March marked the first decisive break in the long sequence of wet months. It was the driest March over England and Wales since 1944. Periods of 15 or more days without measurable rain were recorded at many places and in some parts of southern England as many as 30 days - from late February to late March - without rain, were recorded. April provided a spectacular return to the wet weather. No wetter April has been experienced in England and Wales since 1920 and in Northern Ireland it was by far the wettest April since comparable records began in 1900; at Armagh it was the wettest April since before 1840. Nevertheless, not all parts of the country recorded excess rainfall, for the north-west Highlands had less than half their average amount. Severe thunderstorms during the first few days of May led to heavy flood damage, but the month was generally dry and virtually the whole of Britain had at least 15 days without measurable rain from the 9th onwards. June was another dry month, the driest June over England and Wales since 1951. Less than half the average amount of rain fell over much of southern England (except Kent) but there was more than 150 per cent in parts of north and north-west Scotland. Although England, Wales and Northern Ireland were drier than usual, July saw the beginning of a series of wet or very wet months in Scotland, where the total rainfall for the four months July to October was greatest for that period since 1954. Most of the rain in England and Wales occurred from the 11th to 16th although there were some minor sporadic outbreaks at the beginning of the month. August was the fourth successive month with rainfall less than the average over England and Wales and over Northern Ireland. There were periods of heavy thundery rain in southern and western England during the first week, and heavy rain in Scotland on the 7th-8th caused serious flooding in central districts, especially in the Glasgow area. Rain was unusually heavy in the south-west on the 10th-11th when over 3 inches was recorded at many places in Somerset in 24 hours. Outbreaks of very heavy rain occurred in September during the first few days of the month and also from 12th to 16th when rainfall was heavy practically every day in north-west Scotland and Northern Ireland; the 12th was the wettest day in the period in north-west England, Wales and over Exmoor, and the 13th in southern England. October was an unsettled month almost throughout, and it was the fifth successive month with rainfall greatly in excess of the average in parts of north-west Scotland. Over Scotland as a whole it was the wettest October since 1954. Rainfall was heavy in Northern Ireland on the 2nd, in south-west England and South Wales on the 4th, in western districts on the 9th, 10th, 16th and 17th, and in eastern England on the 18th-20th. The only generally dry period during the month was the 12th-15th. The unsettled weather with frequent rainfall continued during the first twelve days of November but most of the rest of the month was quiet and dry; many parts of southern England and East Anglia were without measurable rain for more than two weeks. December repeated the November rainfall pattern to a remarkable degree, the first two weeks being unsettled and wet but from the 13th onwards weather was dry in most places for about two weeks. Again no measurable rain was recorded for 15 days or more, but on this occasion the stations affected were in Wales, the Midlands and northern England.

Thunderstorms

Thunder was most frequent during the late summer and early autumn, occurring on 19 days during September in England and Wales and on 17 days in Scotland during October. In England and Wales it was heard on 14-16 days

during April, July and August and on 9-12 days during January, February, May, June, October and November. In Scotland there were 9-12 days with thunder during April, September and November. During all other months in both countries there were six days or less, thunder being least frequent during March when it was heard on only two days in both countries.

Noteworthy falls of rain in short periods included:-

May 4	1.16 in.	at Croydon in 50 min.
May 4	1.26 in.	at Kenley in 72 min.
Aug. 1	.88 in.	at Bradninch (Devon) in 30 min.
Aug. 3	1.35 in.	at Langdale in 120 min.
Aug. 1/2	1.25 in.	at Wimbledon in 60 min.
Sept. 3	1.39 in.	at Manchester Airport in 60 min.

Dry Spells (15 or more days without measurable rain).

February 8-22 in parts of southern England.

Late February to late March (30 days) in parts of southern England.

May 9-25 over most of Britain.

December 13-28 over Wales, southern-central, midland and northern England.

Snow

Snow and sleet was fairly frequent in Scotland during January and December when it occurred on 27 and 23 days respectively and ground was snow covered over a wide area 23 days of each month. It was reported on 17, 15, 14 and 12 days during November, March, April and October respectively. There were 9 days with snow in May, 7 days in February and 1 in September.

Snow was widespread in northern and central England during the first week or ten days of January and from the 21st until the end of the month; at Moor House it lay 12-16 inches deep on the 3rd-12th and there were drifts 3 ft. deep. In southern England it was widespread around the 3rd and 25th. During February snow and sleet fell widely in Scotland during the first week. In northern England and the Midlands it was widespread on the 6th and was reported on seven other days. In March snow was reported from many places in Scotland on the 16th-20th and during the last few days of the month; there were snow showers in most districts of the British Isles on the 19th and 20th. Snow was widespread in Scotland during the first few days of April, ground being snow-covered for most of the first week; in central and northern England it was widespread on the 4th. There was no snow in England during May but scattered showers occurred in Scotland during the second and last weeks.

During September a slight fall of snow was reported from Glenmore on the 26th. In Scotland there was snow most days during the second half of October; scattered showers occurred in northern England on the 18th and 25th. During November snow was widespread on the 3rd and 4th and occurred over much of the British Isles during the last few days of the month. In December snow fell daily in Scotland except during the third week. In England and Wales it occurred mainly during the first and last weeks. In parts of the Midlands it lay 4-6 inches deep on the 7th and 8th and was over 12 inches deep over much of the Midlands and south-east England on the 30th and 31st.

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

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	126	105	25	161	64	69	85	100	104	126	65	115	98
(b)	85	125	95	115	69	85	109	132	120	124	82	91	103
(c)	102	134	57	208	97	73	73	85	119	112	67	78	98

Sunshine

The general sunshine over the year, expressed as a percentage for the period 1921-50, was 104 over England and Wales, 100 over Scotland and 96 over Northern Ireland. In England and Wales no month had less than 90 per cent of the average except April which had only 66 per cent; March and December were sunny months with 128 and 133 per cent of the average respectively. In Scotland the year began and ended with a sunny month but the spring and summer were generally dull although sunshine was slightly above the average during May and August; autumn too was mainly sunny. In Northern Ireland sunshine was below the average every month from March to August and also during the last two months of the year; January however was sunny with 132 per cent of the average sunshine.

January sunshine was above average in north and west Scotland but below in the east; in the Hebrides it was 190 per cent of the average. In England and Wales sunshine was generally above the average north of a line Mersey to the Humber but below the average south of this line. Most of England and Wales had less than average sunshine during February, the deficit being most pronounced in the south-east; a few days of brilliant sunshine however lifted the totals for the month above the average in south Lancashire, North Wales and in west and north-west Scotland. During March sunshine was more than 150 per cent of the average over most of the London area, being 169 per cent locally in central London where it was the sunniest March since 1928. April sunshine exceeded the average only in north-west Scotland and in districts adjacent to the Moray Firth; elsewhere in the British Isles amounts were below average and as much as 50 per cent below in parts of the Midlands - at Ross-on-Wye it was the duller April since 1920. May was a sunny month particularly in southern England; in parts of Cornwall sunshine was more than 135 per cent of the average and at Newquay it was the sunniest May since 1938. In Scotland and Northern Ireland sunshine during June was below the average almost everywhere, in some places the deficit being as much as 40-50 hours; elsewhere in the British Isles the sunniest places were mainly in southern England. July was a generally dull month, at Tiree it was the duller July since records began there in 1927; how-

ever sunshine was above the average in parts of south-west England. Abundant sunshine everywhere towards the end of August helped to raise totals which had been below the average generally especially during the second and third weeks; during the last week sunshine in north-west England was about twice the average. During September sunshine was generally less than the average in eastern England but mainly above in the north-west; at Manchester Airport it was 25 per cent above the average. October sunshine was mainly below the average in northern Scotland and south-west England but about 50 per cent above the average locally in the Midlands. During November sunshine was more than 30 per cent above the average in north-west England, but below the average in the south-west; at Craibstone it was the sunniest November since records began in 1934. December was exceptionally sunny in parts of Wales and in north-east and south-east England; at Hampstead it was the sunniest December since 1917.

The sunniest station in each month is set out in the following list together with the number of hours sunshine recorded: January, Dover, 71 hr; February, Dunbar, 110 hr; March, Shanklin, 201 hr; April, Penzance 179 hr; May, Guernsey, 309 hr; June, Shanklin, 302 hr; July, Jersey (St. Helier), 275 hr; August, Dale Fort, 223 hr; September, Jersey (St. Helier) 183 hr; October, Everton, 162 hr; November, Udnj, 98 hr; December, Aberystwyth, 92 hr.

The following table gives the monthly and annual general sunshine expressed as a percentage of the 1921-50 average for (a) England and Wales (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	90	99	128	66	111	109	92	103	97	115	110	133	104
(b)	118	104	88	82	106	85	74	104	98	105	117	116	100
(c)	132	103	85	70	98	82	75	98	103	121	93	88	96

Fog

Early morning fog was less frequent in Scotland than in England and Wales and less frequent in May and June in both divisions of the British Isles than during any other month. In Scotland it occurred most frequently during December, November and April (on 26, 25 and 23 days respectively) and least frequently during June (4 days). During May and August there were 7 and 10 days of fog respectively and during the remaining six months of the year 14 or 15 days. In England and Wales fog occurred almost daily (27-29 days) during January, November and December, 20-23 days during February, March, April and October, 16-18 days during July, August and September and 6-7 days during May and June. Fog was widespread and thick locally on February 15-18, March 8-10, September 1-2 and December 17-21. Sea fog affected many south-west coastal districts on June 17 and 22-25 and on August 28.

Miscellaneous Phenomena

The Aurora was seen on 13-16 nights during January, February, October and November, 11-10 nights during April, May, August, September and December, 8 nights in March and one in July; it was not seen at all during June. The Aurora was seen as far south as the Isle of Man on the nights of March 5/6, April 14/15 and April 15/16, the Bournemouth area on May 8/9 and September 30/October 1 and Exeter December 2/3. It was visible from most parts of the British Isles on October 28/29 and October 30/31. Minor tornadoes affected a number of places during October. They caused considerable damage at Bournemouth and Marazion (Cornwall) on the 6th and were also observed at Burlingham (Norfolk) and Malvern (Worcester) on the 2nd. A tornado accompanied by heavy rain caused considerable damage to buildings in Buckinghamshire on February 25th.

TABLE I.—DISTRICT VALUES FOR THE YEAR 1961 [FIRST PUBLISHED 1908, REVISED 1928, 1941 and 1956]

DISTRICT	AIR TEMPERATURE					EARTH TEMPERATURE		RAINFALL		SUNSHINE
	Highest	Lowest	Difference from Average			At 1 ft. Difference from Average	At 4 ft. Difference from Average	Percentage of Average	No. of Days Difference from Average	Percentage of Average
			Max.	Min.	Mean					
0. SCOTLAND, N.	°C	°C	°C	°C	°C	°C	°C	%		%
	28.9	-22.2	+0.1	+0.1	+0.1	-	-	106	0	101
EASTERN										
1. SCOTLAND, E.	28.5	-18.3	+0.3	+0.4	+0.4	-	-	89	0	101
2. ENGLAND, N.E.	30.0	-17.2	+0.2	+0.3	+0.3	+0.3	+0.1	97	-1	101
3. ENGLAND, E.	33.3	-16.1	+0.6	+0.5	+0.6	+0.4	+0.4	98	-1	107
4. MIDLAND COUNTIES	31.8	-12.2	+0.4	+0.5	+0.4	+0.5	+0.5	95	-1	106
5. ENGLAND, S.E.	33.9	-12.4	+0.7	+0.7	+0.7	+0.5	+0.6	90	-1	108
WESTERN										
6. SCOTLAND, W.	27.8*	-18.5	0.0	+0.4	+0.2	+0.2	+0.4	102	0	98
7. ENGLAND, N.W. (and N. Wales)	30.0	-16.1	+0.1	+0.5	+0.3	+0.2	-	105	-1	110
8. ENGLAND, S.W. (and S. Wales)	31.1	-11.7	+0.4	+0.3	+0.3	+0.6	+0.5	91	-1	95
NORTHERN IRELAND	25.0	-11.1	0.0	+0.2	+0.1	-	-	98	0	96

*At Falkirk - Annual values not available.

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1960 [First Published 1914]

The Summary showing the duration of Winds between stated limits of velocity, with Extreme Velocities, at anemograph stations, will be found at Table IX, in the Wind Section.

TABLE III—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1960

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE				
		Means of		Mean Temperature Mean of A and B		Difference from Average		Highest Maximum and Lowest Minimum		1ft.	4ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail*	Ice or snow pellets etc.†	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average	
		A	B	Mean	Difference	Maximum	Minimum	Amount	Date					0.1 in. (0.2 mm.) or more	0.4 in. (1.0 mm.) or more													
		Max.	Min.	°C	°C	°C	°C	°C	°C	°C	°C	in.	%	in.													hr.	%
0 SCOTLAND, N.																												
Zetland	Lerwick Obs'y.	21-9	269	9.3	5.5	7.4	+0.3	19.6	-8.2	-	-	42.97	106	1.02	30 Oct	253	193	60	24	12	52	5	19	43	79	62	2.53	85
	Baltasound	9 9	78	9.9	5.2	7.5	-	21.7	-5.6	7.6	-	47.25	105	1.03	27 Oct	269	208	66	23	33	0	3	7	43	-	44	2.34	-
Orkney	Sule Skerry	9 9	43	10.1	7.3	8.7	-	20.5	-8.0	-	-	38.32	-	.75	11 Jan	256	192	19	8	4	0	0	4	9	44	35	-	-
	Kirkwall (Grimsetter)	21-9	84	10.4	5.6	8.0	-	20.5	-7.6	-	-	36.00	91	.81	28 Sept	252	182	63	15	63	2	2	4	36	92	22	3.13	-
Caithness	Downreay	9 9	73	11.2	-	-	-	25.6	-	-	-	31.02	-	.71	17, 27 Oct	243	177	24	18	0	7	1	3	-	121	29	-	-
	Halkirk (Olgrinbeg)	9 9	232	-	-	-	-	-	-	-	-	31.90	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wick	21-9	119	10.6	5.2	7.9	+0.1	20.5	-11.7	-	-	26.87	90	.95	28 Sept	224	161	43	15	6	35	2	7	56	99	15	3.48	98
Sutherland	Cape Wrath	21-9	367	9.8	6.4	8.1	-	28.0	-4.0	-	-	44.73	94	1.19	12 July	257	207	40	7	18	0	3	18	26	58	20	-	-
	Lairg (Achany)	9 9	240	11.5	3.3	7.4	-	25.6	-17.8	7.8	7.9	35.46	-	.90	8 June	247	187	55	34	12	0	2	13	95	210	3	-	-
	Strathly	9 9	120	11.2	4.3	7.7	-	28.1	-13.3	-	-	35.91	93	1.32	8 June	263	198	66	25	5	20	4	5	73	-	3	2.91	-
Ross & Cromarty	Stornoway	21-9	11	11.0	5.7	8.3	-0.1	21.0	-11.2	-	-	46.97	119	1.25	12 July	287	200	31	12	11	32	1	0	55	89	21	3.44	103
	Achnashellach	9 9	220	11.5	4.5	8.0	-0.1	27.2	-14.4	-	-	91.99	114	1.50	26 Sept	282	229	36	21	7	5	4	2	81	4	-	-	
	Kinlochewe	9 9	76	12.0	5.1	8.5	-	28.9	-12.8	-	-	88.07	-	2.41	25 Mar	260	223	41	27	5	4	6	0	70	-	3	2.01	-
	Garve (Blackbridge)	9 9	690	-	-	-	-	-	-	-	-	47.73	-	-	-	224	187	-	-	-	-	-	-	-	-	-	-	-
	Fortrose	9 9	15	-	-	-	-	-	-	-	-	23.39	92	.98	12 July	189	129	18	13	1	0	1	3	-	-	-	-	-
	Tarbatness	21-9	60	10.7	6.3	8.5	-	24.5	-9.0	-	-	17.98	-	.98	28 Sept	181	102	10	11	0	1	2	4	39	-	2	-	-
Inverness	Benbecula	21-9	19	11.1	6.4	8.7	-	20.0	-10.5	-	-	52.89	118	1.50	26 Feb	256	205	30	10	16	24	3	0	42	77	44	3.55	95
	Isle of Rhum	9 9	15	11.8	6.0	8.9	-	21.7	-8.3	9.9	-	112.57	-	2.58	11 Jan	268	230	22	11	3	34	8	0	49	101	50	-	-
	Prabost	9 9	220	11.1	5.4	8.3	-	25.6	-8.3	-	-	78.27	-	1.77	12 July	282	231	27	18	2	53	4	0	43	124	54	3.00	-
	Duntulm	9 9	294	10.7	6.0	8.3	-	23.9	-6.1	-	-	61.07	115	2.11	12 July	264	223	27	10	27	0	2	7	21	73	37	3.09	-
	Onich	9 9	48	11.6	5.5	8.5	-0.2	25.6	-11.1	-	-	97.52	120	2.32	24 June	250	236	-	11	-	-	-	9	50	134	-	2.70	968
	Fort William (Camaghael)	9 9	27	12.0	5.2	8.6	-	27.8	-15.0	9.0	9.2	76.75	-	1.65	8 Aug	251	206	23	16	4	19	7	4	62	105	7	2.59	85

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL, AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER							BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum		ft.	4ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail*	Ice or snow pellets etc.†	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average	
			A	B			Maximum	Minimum					Amount	Date	-01 in. (0.2 mm.) or more	-04 in. (1.0 mm.) or more												
			Max.	Min.	°C	°C	°C	°C	°C	°C	°C	°C	in.	%	in.											hr.	%	
0 SCOTLAND, N.—cont.																												
Inverness—cont.	Fort Augustus	9 9	70	11.5	5.1	8.3	+0.1	27.2	-16.7	-	-	49.84	-	2.25	8 Aug	234	162	27	18	1	3	4	15	66	-	10	2.83	-
	Cannich	9 9	350	-	2.7	-	-	25.6	-22.2	-	-	48.26	109	1.68	8 Aug	204	168	-	44	-	-	7	107	183	-	-	-	-
	Inverness	9 9	13	12.0	5.5	8.7	-	26.7	-11.1	-	-	22.77	-	1.00	8 Aug	158	122	15	22	0	2	0	3	62	-	3	3.47	-
	Achnagoichan	9 9	1000	10.7	3.2	6.9	-	25.0	-19.4	-	-	34.35	-	(1.30)	8 Dec	206	169	-	-	-	-	-	95	-	-	-	-	
	Glenmore Lodge	9 9	1120	10.5	2.4	6.5	-	25.0	-18.0	-	-	40.36	-	1.87	8 Aug	233	167	63	43	2	1	2	3	115	-	9	2.87	-8
1 SCOTLAND, E.																												
Nairn	Nairn	9 9	20	12.1	4.9	8.5	+0.1	27.8	-12.2	-	-	23.07	92	.94	8 Aug/28 Sept	212	131	19	22	3	0	1	6	71	-	7	3.64	104
Moray	Grantown-on-Spey	9 9	720	11.5	2.2	6.9	-	25.0	(-15.0)	-	-	28.20	-	1.15	8 Aug	217	161	-	30	-	-	3	119	170	-	-	-	
	Forres	9 9	155	12.0	4.7	8.3	-	26.7	-16.7	8.6	8.5	20.40	83	.85	28 Sept	180	123	20	25	4	1	0	1	74	-	6	3.41	-
	Kinloss	21-9	15	12.0	5.0	8.5	-	27.1	-16.0	-	-	21.60	-	.81	28 Sept	194	124	38	17	7	26	3	8	68	127	10	3.36	-
	Elgin	9 9	92	12.3	5.4	8.9	-	27.2	-11.1	-	-	21.00	-	.65	8 Aug	198	131	19	18	0	0	0	0	56	106	5	3.60	-
	Lossiemouth	9 9	21	11.9	4.4	8.1	-	26.7	-15.0	-	-	21.46	-	(.73)	28 Dec	178	129	33	9	14	0	3	4	83	111	27	-	-
	Gordon Castle	9 9	104	12.5	4.1	8.3	-0.2	26.7	-16.1	-	-	24.34	82	.85	20 Oct	190	130	-	17	-	-	-	81	-	-	3.31	948	
Aberdeen	Braemar	9 9	1113	10.3	2.7	6.5	+0.1	24.4	-16.1	-	-	33.42	92	1.47	22 Oct	211	142	-	43	-	-	1	106	180	-	2.97	-8	
	Balmoral	9 9	927	10.6	2.6	6.6	+0.1	25.0	-15.0	-	-	29.75	89	1.31	8 Aug	211	136	36	45	0	0	1	-	115	169	8	-	-
	Logie Coldstone	9 9	608	11.6	-	-	-	25.6	-13.9	-	-	25.87	-	.95	12 July/8 Aug	202	127	-	29	-	-	-	-	-	-	-	-	-
	Buntly	9 9	405	-	-	-	-	(25.0)	-11.4	-	-	30.82	-	1.33	18 Oct	210	138	-	-	-	-	-	-	-	-	-	-	-
	Fyvie Castle	9 9	218	11.7	4.0	7.9	-	23.3	-13.3	-	-	28.98	-	.91	4 Dec	179	150	-	13	-	-	-	-	90	149	-	3.35	-
	Craigstone	9 9	300	11.3	4.9	8.1	+0.4	22.8	-7.8	8.2	8.2	30.00	88	(1.03)	28 Dec	198	139	30	25	6	7	5	7	55	107	16	3.64	95
	Dyce	21-9	190	11.6	4.4	8.0	-	23.6	-11.2	-	-	28.07	80	.96	8 Aug	180	131	45	15	4	19	4	6	73	120	7	3.62	-
	Aberdeen	9 9	170	11.6	5.0	8.3	-	23.9	-7.2	-	-	27.45	83	1.12	12 July	176	122	31	10	15	4	5	6	63	117	16	3.61	-
	Udny	9 9	363	11.2	4.5	7.9	-	22.6	-10.0	-	-	29.52	-	1.03	8 Aug	197	140	35	27	7	1	4	13	68	150	6	3.69	-
	Rattray Head	21-9	85	10.8	5.7	8.3	-	21.7	-6.0	-	-	26.74	94	.55	11 Jan	218	158	34	10	14	4	5	7	34	-	22	3.78	-
Kincardine	Pettercairn	9 9	560	11.0	4.3	7.7	-	22.8	-8.9	-	-	37.15	-	1.92	28 Dec	195	139	32	30	2	2	2	44	67	178	8	3.25	-
	Muchalls	9 9	210	11.2	5.1	8.1	-	23.3	-7.8	-	-	27.23	-	1.08	8 Aug	179	123	23	11	0	1	3	8	46	130	2	-	-
Angus	Dundee (Mynefield)	9 9	100	12.0	4.9	8.5	-	26.7	-7.8	8.6	8.8	26.73	-	1.82	8 Aug	185	128	22	17	1	3	5	7	61	126	8	3.79	-
	Auchterhouse	9 9	780	10.7	3.8	7.3	-	24.4	-8.3	7.9	7.7	34.38	-	2.03	8 Aug	198	152	55	25	2	11	9	-	78	-	6	3.57	-
	Dundee	9 9	147	12.3	5.8	9.1	+0.7	25.6	-7.2	9.1	-	28.23	91	1.79	8 Aug	195	139	20	17	5	1	4	-	45	130	6	3.66	92
	Glamis Castle	9 9	200	11.7	3.6	7.7	-	26.1	-10.6	-	-	32.39	-	1.72	8 Aug	198	145	29	22	3	0	7	17	97	-	9	-	-
	Buddon Ness	9 9	15	11.9	4.7	8.3	-	21.7	-10.6	-	-	24.98	89	1.68	8 Aug	182	132	10	-	9	0	2	5	65	-	17	-	-
	Carnoustie	9 9	29	12.3	5.8	9.1	-	23.3	-7.8	9.7	-	25.49	87	1.86	8 Aug	171	126	18	11	0	11	5	3	41	97	8	3.81	-
	Arbroath	9 9	95	11.8	5.8	8.8	+0.5	22.2	-6.7	-	-	22.62	86	1.57	8 Aug	178	121	9	8	5	0	3	11	41	-	6	4.01	98
	Montrose	9 9	200	11.8	5.1	8.5	-	24.4	-7.2	-	-	25.91	90	1.39	12 July	178	126	22	8	7	1	5	8	58	-	4	-	-
Perth	Strathyre	9 9	425	-	3.9	-	-	-13.9	8.4	8.4	-	92.80	-	2.60	26 Jan	215	192	31	22	1	0	6	2	82	142	16	-	-
	Callander	9 9	230	11.7	4.7	8.2	-	23.9	-10.6	-	-	66.09	-	1.40	14 Sept	203	181	-	31	-	-	-	39	68	101	-	-	-
	Loch Tay (Ardalnaig)	9 9	427	11.6	4.9	8.3	-	25.0	-8.9	-	-	54.67	-	1.80	12 July	208	164	25	16	0	2	11	5	61	-	6	-	-
	Pitlochry	9 9	473	-	3.8	-	-	25.0	-11.7	-	-	37.66	-	1.28	15 July	203	164	29	28	2	1	1	8	82	136	1	3.23	-
	Pitlochry (Faskally)	9 9	310	11.7	4.2	7.9	-	25.6	-10.6	8.6	8.8	38.26	-	1.17	7 Nov	194	152	36	26	2	1	2	4	68	133	0	-	-
	Dunning	9 9	250	12.0	4.6	8.3	-	26.7	-10.0	-	-	38.48	-	2.27	8 Aug	193	145	12	13	0	0	2	2	74	172	0	3.64	-
	Perth	9 9	77	12.3	4.7	8.5	-0.1	27.2	-13.9	-	-	30.95	101	1.70	8 Aug	190	144	20	18	5	0	3	17	66	-	5	3.49	96
	Blaigowrie	9 9	230	11.9	4.3	8.1	-	25.0	-9.4	8.4	-	29.59	-	1.58	8 Aug	184	131	-	-	-	-	-	-	75	139	-	3.62	-
Fife	Glenshe Lodge	9 9	1100	10.2	2.5	6.3	-	23.9	-13.3	7.0	-	46.98	-	1.35	22 Oct	231	171	53	50	0	1	2	9	104	169	10	-	-
	Dunfermline (Pitreavie)	9 9	130	12.2	5.8	9.0	-	28.0	-9.4	-	-	28.57	-	1.59	8 Aug	178	128	18	10	2	2	8	15	43	81	1	-	-
	Kirkcaldy	9 9	137	12.2	5.3	8.7	0.0	26.7	-8.9	-	-	30.42	102	1.80	8 Aug	188	146	-	13	-	-	-	2	53	-	-	3.60	98
	Cupar	9 9	82	12.5	4.2	8.3	-	26.7	-8.9	9.0	-	29.06	-	2.61	8 Aug	177	133	20	15	2	0	5	4	68	130	3	-	-
	Lundin Links	9 9	40	12.4	5.9	9.1	-	25.6	-6.1	-	-	25.14	-	1.90	8 Aug	157	123	10	-	2	2	6	6	42	-	3	-	-
	Leuchars	21-9	35	12.2	5.1	8.7	+0.2	26.6	-9.5	-	-	25.99	97	2.30	8 Aug	175	122	23	14	2	7	5	9	66	96	12	3.99	99
	St Andrews	9 9	13	12.2	-	-	-	26.7	-	9.2	9.3	26.58	95	2.29	8 Aug	177	126	-	11	-	-	-	8	-	121	-	3.75	95
Midlothian	Balerno	9 9	700	-	-	-	-	23.9	-13.3	-	-	31.72	-	2.19	8 Aug	169	132	-	12	-	-	-	-	-	-	-	3.33	-
	Midcalder	9 9	400	12.0	4.6	8.3																						

TABLE III (continued) - SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS										EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)		WEATHER										BRIGHT SUNSHINE	
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum		ft.	ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Show or Sleet	Show lying at 9h.	Hail*	Ice or snow pellets etc.†	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average	
			A	B			Maximum	Minimum					Amount	Date	0.1 in. (0.2 mm.) or more	0.4 in. (1.0 mm.) or more												
			Max.	Min.	°C	°C	°C	°C	°C	°C	°C	°C	in.	%	in.											hr.	%	
4 MIDLAND COUNTIES—cont.	G.M.T.	ft.	°C	°C	°C	°C	°C	°C	°C	in.	%	in.																
Yorks., W. Riding—cont.																												
Ilkley	9 9	315	12.9	5.6	9.3	+0.6	28.3	-8.3	-	34.97	93	1.89	2 Sept	156	153	31	2	0	0	6	24	56	-	5	-			
Sheffield	9 9	429	13.3	6.7	10.0	+0.4	29.4	-7.2	9.5	9.9	28.23	92	1.02	10 Oct	186	142	20	7	0	0	12	31	118	-	3.81			
Wakefield	9 9	121	14.0	5.8	9.9	+0.3	29.4	-8.9	9.6	9.7	22.91	87	0.80	21 Jan	165	120	15	2	0	0	10	60	51	132	1			
Pontefract	9 9	255	12.9	6.0	9.5	+0.3	28.3	-10.0	-	-	21.46	90	0.75	21 Jan	180	118	16	4	0	0	11	66	43	73	0			
Bramham	9 9	177	12.9	5.2	9.1	-	28.3	-8.3	-	-	25.63	-	0.96	2 Sept	175	133	16	4	0	0	11	66	43	73	0			
Cawood	9 9	20	13.3	5.2	9.3	-	28.3	-7.8	9.6	10.0	22.16	90	0.71	14 July	143	111	6	5	1	1	12	38	68	106	1			
Askham Bryan	9 9	110	13.3	5.5	9.4	-	29.4	-7.2	-	-	(25.85)	99	1.35	2 Sept	(165)	(125)	16	1	0	0	6	31	56	100	2			
Buxton	9 9	1007	11.0	4.9	7.9	+0.2	26.7	-12.2	8.7	9.0	51.66	107	1.32	29 Nov	211	166	23	14	3	0	8	58	63	98	0			
Chapel en le Frith	9 9	728	12.2	4.9	8.5	-	27.8	-11.1	-	-	43.89	-	1.17	29 Nov	203	169	19	13	3	3	7	17	66	150	6			
Mackworth	9 9	293	13.3	5.5	9.4	-	28.9	-7.8	-	-	24.34	-	0.67	13 Apr	165	130	11	8	1	1	11	38	61	111	6			
Belper	9 9	203	13.9	5.4	9.7	+0.4	30.0	-6.7	-	-	25.20	87	0.64	12 July	148	122	9	5	0	0	3	45	51	111	6			
Derby	9 9	159	14.0	6.2	10.1	-	30.6	-7.2	-	-	23.55	-	0.86	29 Dec	181	118	7	4	1	0	3	45	51	111	6			
Morley	9 9	350	13.1	5.6	9.3	-	28.9	-7.8	-	-	24.31	-	0.98	12 July	169	125	10	6	0	0	3	45	51	111	6			
Chesterfield	9 9	298	13.2	5.2	9.2	-	29.4	-12.2	-	-	25.19	-	0.78	3 Sept	169	135	17	8	0	0	7	63	84	119	2			
Sutton Bonington	9 9	157	-	5.5	-	-	29.4	-8.9	-	-	21.21	92	1.00	29 Dec	164	116	-	-	-	-	23	59	139	-	0			
Watnall	21-9	385	13.3	5.9	9.6	-	29.8	-7.6	-	-	25.24	93	1.28	12 July	166	126	21	3	3	1	12	49	42	123	0			
Mansfield	9 9	362	13.0	6.2	9.6	+0.4	30.0	-8.3	-	-	26.44	96	0.91	29 Dec	171	141	8	5	0	0	3	66	41	87	0			
Nottingham	9 9	192	13.9	6.5	10.2	+0.7	30.6	-7.2	9.9	10.0	22.66	94	0.75	29 Dec	154	124	11	2	1	0	8	35	37	72	1			
Warsop (Gleadthorpe)	9 9	150	13.4	4.7	9.1	-	28.9	-11.7	-	-	22.62	98	0.77	29 Dec	169	122	12	5	0	2	7	51	74	157	2			
Finningley	21-9	34	13.6	6.3	9.9	-	30.0	-8.3	-	-	21.95	-	0.65	8 Aug	162	119	14	4	0	3	11	38	38	76	1			
Newtown Linford	9 9	388	13.4	5.0	9.2	-	29.4	-9.4	-	-	22.85	-	1.10	29 Dec	166	121	15	3	0	1	7	19	64	121	0			
Leicester	9 9	287	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Caudecott	9 9	175	14.4	4.5	9.5	-	31.1	-12.2	-	-	19.66	-	0.85	29 Dec	146	113	-	3	-	-	-	22	84	118	-			
Raunds	9 9	193	14.4	5.3	9.9	-	30.6	-9.4	10.6	10.5	20.22	89	0.87	12 June	161	110	-	3	-	-	-	22	59	93	-			
Wittering	21-9	216	13.7	6.1	9.9	-	30.4	-9.2	-	-	21.39	-	0.81	10 Nov	164	112	20	2	5	4	10	22	44	99	2			
Birmingham K.E.S.	9 9	450	13.2	6.4	9.8	-	30.0	-7.2	-	-	25.08	-	1.15	3 Sept	155	118	9	4	1	0	3	15	38	-	0			
Birmingham	21-9	536	13.0	6.9	9.9	+0.5	30.4	-8.0	9.4	10.0	28.58	93	0.96	12 July	174	130	17	3	1	1	11	18	27	74	0			
Luddington	9 9	138	14.3	5.7	10.0	-	30.6	-9.4	-	-	21.33	90	1.21	12 June	152	109	5	3	1	4	6	13	59	97	2			
Stratford on Avon	9 9	160	14.5	5.3	9.9	-	31.7	-8.9	11.1	-	22.65	-	1.29	12 June	155	109	9	3	0	3	7	14	64	134	6			
Birmingham Airport	21-9	319	13.5	5.8	9.7	-	30.2	-10.2	-	-	23.96	89	0.97	29 Dec	152	114	15	2	0	8	9	33	51	95	1			
Shipston on Stour	9 9	365	13.7	5.8	9.7	-	30.6	-10.6	10.3	-	23.70	-	1.07	12 June	164	120	8	4	0	2	8	26	46	139	-			
Wellesbourne	9 9	153	14.2	5.6	9.9	-	31.1	-9.4	-	-	21.53	86	1.15	12 June	150	113	10	3	2	2	6	22	63	116	7			
Moreton Morrell	9 9	280	14.0	5.7	9.9	-	30.6	-9.4	-	-	20.69	-	1.23	12 June	164	111	9	3	1	1	4	25	52	133	13			
Coventry	9 9	338	13.9	6.0	9.9	+0.2	30.0	-7.8	10.1	10.7	23.08	87	0.66	30 Dec	166	115	7	-	0	0	4	12	51	-	3			
Rugby	9 9	385	13.7	6.1	9.9	-	30.0	-8.9	10.2	10.7	21.82	-	0.75	29 Dec	159	121	-	4	-	-	-	48	86	-	0			
Oxford	9 9	208	14.5	6.7	10.6	+0.5	30.6	-9.4	11.0	11.2	25.72	100	1.05	29 Dec	171	119	9	3	6	3	9	26	40	90	1			
Aylesbury	9 9	316	14.2	5.8	10.0	-	29.4	-10.6	-	-	24.84	-	1.45	12 July	143	112	8	2	5	1	13	38	54	132	11			
Keele	9 9	587	12.4	5.7	9.1	-	28.9	-7.8	9.4	9.6	29.93	95	1.08	3 Sept	186	142	20	6	1	10	11	27	53	95	0			
Oaken	9 9	409	13.5	5.2	9.3	+0.4	29.4	-7.8	9.7	-	25.07	-	0.90	12 July	154	127	-	-	-	-	-	59	-	-	-			
Stone	9 9	350	13.0	5.1	9.1	-	28.3	-8.3	-	-	27.90	-	1.20	10 Oct	170	130	9	3	0	0	3	31	64	127	0			
Penkridge	9 9	330	13.1	5.0	9.1	-	29.4	-8.3	-	-	25.97	-	0.90	12 July	145	121	5	3	2	0	3	20	62	130	1			
Onecote	9 9	1350	10.1	4.3	7.2	-	25.0	-8.9	7.9	8.2	43.00	-	1.10	30 Dec	170	167	8	11	0	1	1	32	79	115	1			
Oswestry	9 9	570	12.7	5.6	9.1	-	27.8	-8.9	-	-	31.85	-	0.76	4 May	165	143	12	8	10	1	2	18	44	103	0			
Church Stretton	-	582	-	-	-	-	-	-	-	-	30.95	88	1.13	13 Apr	178	136	-	-	-	-	-	-	-	-	-			
Shrewsbury	9 9	184	13.8	6.1	9.9	-	29.4	-10.0	11.1	12.0	23.27	90	0.73	12 July	181	129	-	5	-	-	-	24	44	99	-			
Shawbury	21-9	235	13.3	5.5	9.4	-	29.8	-11.8	-	-	25.62	99	0.80	12 July	171	125	19	4	10	1	4	23	55	146	5			
Newport	9 9	211	13.6	5.2	9.4	-	29.4	-10.0	-	-	23.49	90	0.92	25 Apr	166	119	12	5	5	1	10	11	64	123	11			
Malvern	9 9	203	14.3	6.7	10.5	+0.6	31.1	-7.8	11.1	10.8	24.95	85	1.20	12 June	169	124	8	3	1	1	6	34	35	65	8			
Worcester (Redhill)	9 9	190	14.2	6.2	10.2	-	31.1	-7.2	-	-	23.40	95	0.92	12 June	150	118	-	4	-	-	-	28	47	91	-			
Pershore (Institute of Horticulture)	9 9	130	14.2	5.1	9.7	-	30.6	-8.3	-	-	22.64	-	1.27	12 June	147	115	-	3	-	-	-	17	57	116	-			
Pershore	21-9	114	14.2	6.1	10.1	-	31.8	-9.5	-	-	21.04	-	1.20	12 June	150	103	7											

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days								BRIGHT SUNSHINE				
			Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum		ft.	ft.	Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail*	Ice or snow pellets etc. †	Thunder heard	Fog at 9h.	Air Frost	Grass min. 0°C or less	Gale	Daily Mean	Percentage of Average		
			A	B			Maximum	Minimum					Amount	Date	-01 in. (0.2 mm.) or more	-04 in. (1.0 mm.) or more													
			Max.	Min.	°C	°C	°C	°C	°C	°C	°C	°C	in.	%	in.											hr.	%		
5 ENGLAND, S.E.—cont.																													
Sussex																													
Thorney Island	21-9	10	14.7	7.5	11.1		29.2	-6.8				25.45	95	1.21	29 Jan	144	102	3	0	0	8	8	11	34	78	0	4.97		
Bognor Regis	9 9	24	13.9	8.1	11.0	+0.6	25.6	-5.0				28.53	99	1.87	29 Jan	136	102	2	0	1	5	8	9	22	55	6	5.22	107	
Littlehampton	9 9	15	14.3	7.7	11.0	+0.7	27.2	-5.0				31.86	113	1.81	29 Jan	136	112	2	0	3	0	5	6	30		2	5.24	107	
Rustington	9 9	10	14.3	6.5	10.4		27.2	-6.1				29.58		1.47	29 Jan	140	101	2	0	0			13	35	93		4.60		
Worthing	9 9	25	14.3	8.2	11.3	+0.7	26.1	-3.9	11.5	11.9		27.27	99	1.77	29 Jan	152	105	1	0	2	1	11	5	22	75	6	5.14	102	
Brighton	9 9	32	14.1	8.4	11.3		28.3	-5.6				26.77	99	1.54	29 Jan	135	107	2	0	2	1	3	4	17	20	51	9	4.81	
East Grinstead	9 9	440	15.0	5.6	10.3		32.2	-11.1				31.16		1.25	29 Jan	148	119	3	1	0	1	7	10	58	90	6			
Seaford	9 9	45	14.1	7.6	10.9		28.3	-4.4																					
Eastbourne	9 9	35	13.9	8.4	11.1	+0.5	27.8	-3.3	12.1	12.6		32.01	104	1.57	29 Jan	146	116	2	0	0	1	7	11	16	60	7	5.42	108	
Eastbourne (C/guard)	21-9	17	14.4	8.3	11.3		28.8	-3.9				30.56		1.08	3 Jan	140	112	1	0	3	1	2	11	28	59	10			
Bexhill	9 9	14	13.9	8.1	11.0	+0.7	29.0	-3.9	12.3			29.96	106	1.58	29 Jan	134	109	1	0	1	0	4	22	22	58	9	4.76		
Sedlescombe	9 9	175	14.3	6.3	10.3		31.7	-6.7				33.22		1.38	29 Jan	172	119	1	0	5	0	9	10	43	98	15			
Bodiam	9 9	73	15.0	6.0	10.6		30.6	-7.2	11.5	11.5		30.37		1.63	29 Jan	139	113		0	0			23	61	120		4.43		
Hastings	9 9	149	13.9	8.3	11.1	+0.7	29.4	-3.9	11.9	12.3		28.52	100	1.22	29 Jan	144	106	4	0	5	1	11	13	19	53	12	4.98	102	
Letcombe Regis	9 9	350	14.1	5.0	9.5		31.1	-12.2				25.40		1.40	29 Dec	161	117	6	1	1	0	4	20	67		2			
Abingdon	21-9	210	14.5	6.3	10.4		31.8	-11.3				23.69	98	1.09	12 June	153	112	10	2	8	2	11	26	42	77	0	4.44		
Woolhampton	9 9	370																											
Shinfield	9 9	200	14.5	6.2	10.3	+0.4	30.0	-9.4				25.06		.87	12 June	158	112	3	1	5	0	11	43	52	93	15	4.43		
Reading	9 9	148	14.8	6.8	10.8	+0.5	31.1	-7.8	11.4	11.5		25.90	101	.89	12 June	154	105	5	1	2	6	10	30	43	125	7	4.31		
Reading S.T.G.	9 9	141	14.7	6.3	10.5		30.6	-9.4				25.89	107	.98	15 July	138	110		1				18	50	99		4.03		
Finchampstead	9 9	212	14.6	5.5	10.1		30.6	-11.1	10.9	11.1		24.21		.85	12 June	162	113	4	1	0	2	10	20	61	130	0	4.28		
Hurley	9 9	140	14.6	5.9	10.3		30.6	-8.3	10.9			25.39		1.02	12 June	145	112	6	1	2	0	8	28	58		11	4.16		
Bournemouth	9 9	130	14.2	7.3	10.7	+0.2	25.6	-7.2	11.3	11.5		30.90	99	1.33	29 Jan	155	117	3	1	3	1	10	17	31	62	1	4.93	105	
Christchurch	9 9	9	14.7	6.7	10.7		26.7	-8.3				30.34		1.41	29 Jan	140	114	2	1	2	0	9	11	46	90	0			
Ringwood	9 9	250	14.7	6.6	10.7		29.4	-7.2	11.1	11.4		30.85		1.39	25 Apl	158	119	3	1	5	2	10	13	37		1			
Everton (Efford)	9 9	51	14.3	7.0	10.7		28.9	-7.2				29.37		1.38	29 Jan	139	113	2	1	3	2	8	10	29	69	1	5.06		
Southampton	9 9	65	15.4	7.2	11.3	+0.7	30.6	-6.1	11.8	12.2		29.10	92	1.58	3 Sept	148	111	2	1	1	6	8	19	31	69	5	4.49	100	
Leckford	9 9	385	14.2	5.7	9.9		28.9	-8.3	10.5			31.67	100	1.30	21 Oct	164	125		1				16	55			4.28		
Winchester	9 9	124	15.0	5.6	10.3		30.6	-11.1	10.4			33.19	104	1.28	29 Jan	155	120	3	1	0	1	9		63		3	4.40	-8	
Martyr Worthy	9 9	275	14.7	5.4	10.1		30.0	-10.6				30.14		1.07	29 Jan	152	117	1	1	0	2	5	8	57	102	2	4.46		
Southsea	9 9	7	14.5	8.7	11.6	+0.5	26.1	-3.9	12.4	12.7		25.71	93	1.17	29 Jan	139	103	1	1	3	0	6	7	18		18	5.12	105	
Hayling Island	9 9	13	14.1	8.0	11.1		27.2	-6.1				24.63		1.19	29 Jan	142	98	2	1	2	0	8	5	22	9	5	5.22		
Long Sutton	9 9	512	14.1	6.0	10.1	+0.5	30.6	-9.4	10.7			29.75	95	1.34	29 Jan	147	115	4	1	1	1	9	49	40		2			
Alice Holt Lodge	9 9	378	14.3	5.9	10.1		31.7	-9.4				30.18	97	1.32	29 Jan	168	120	3	1	5	0	12	17	55	119	0	4.26		
S. Farnborough	21-9	226	14.6	6.5	10.5	+0.5	32.1	-12.4				26.06	97	1.45	1 Aug	152	104	7	1	2	1	11	22	42	67	3	4.19	96	
St. Catherine's Pt.	9 9	51	13.6	8.6	11.1	+0.8	25.0	-3.0				35.99	122	3.24	3 Sept	152	117	5	1	2	6	14	9	12		23			
Ventnor Park	9 9	443	14.0	8.4	11.2		25.0	-2.8	12.1	11.9		35.89	111	2.38	3 Sept	163	128	1	1	3	0	8	8	17	28	2	5.06		
Shanklin	9 9	180	13.9	7.9	10.9		25.0	-5.0				37.33		2.52	3 Sept	153	113	3	1	1	7	10	16	21		4	5.48		
Sandown	9 9	13	14.9	8.7	11.8	+1.0	26.1	-4.4				33.88	111	3.70	3 Sept	153	102	1	1	1	4	5	9	12		5	5.22	104	
Ryde	9 9	15	14.7	8.6	11.7	+0.8	26.1	-2.8				32.35	108	1.89	3 Sept	153	114		1				6	12			5.16	106	
Wiltshire																													
Lacock (Lackham)	9 9	160	14.2	5.3	9.7		30.0	-10.0				25.39		.90	29 Dec	167	119		1				34	65					
West Lavington	9 9	305		5.0			29.4	-11.1				25.13	81	1.15	29 Dec	163	114		1				17	57					
Lynham	21-9	476	13.4	6.2	9.8		29.5	-10.0				26.91	93	1.07	12 June	155	118	7	1	8	2	13	33	49	90	0	4.54		
Larkhill	9 9	431	13.9	5.9	9.9	+0.5	27.8	-8.9				26.25	93	1.18	25 Apl	158	109	3	1	1	2	12	20	52	91	0			
Boscombe Down	21-9	414	14.0	5.9	9.9		28.2	-9.5				26.29	92	.96	25 Apl	150	107	6	1	3	0	10	18	53	103	6	4.35		
Upavon	21-9	478	13.5	6.0	9.7		28.5	-7.6				28.14		1.04	13 Sept 29 Dec	162	119	6	1	5	0	10	27	41	84	6			
Porton	9 9	364	14.1	5.5	9.8	+0.5	28.3	-11.3	10.0			27.34	93	.98	25 Apl	159	114	4	1	1	3	7	18	57	128	7	4.47	10	

TABLE III (continued)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS YEAR 1961

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES CELSIUS								EARTH TEMPERATURE		RAINFALL (Terminal hour 9 G.M.T.)				WEATHER Number of days							BRIGHT SUNSHINE						
			Means of		Mean Temperature of A and B	Difference from Average	Highest Maximum and Lowest Minimum		ft.	ft.	Total Fall	Percentage of Average	Most in a day		Precip'n	Snow or Sleet	Snow lying at 9h.	Hail*	Ice or snow pellets etc.†	Thunder heard	Fog at 9h.	Air Frost	Crass min. °C or less	Gale	Daily Mean	Percentage of Average				
			A	B			Maximum	Minimum					in.	%													in.	0.1 in. (0.2 mm.) or more	0.4 in. (1.0 mm.) or more	
			Max.	Min.	°C	°C	°C	°C	°C	°C	°C	°C	in.	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
8a SOUTH WALES - cont.																														
Cardigan - cont. Aberystwyth P.B.S. †	9 9	452	12.7	6.9	9.8	-	30.0	-7.8	-	-	-	38.62	1.55	22	Apr	210	158	4	2	1	4	4	8	24	84	2	4.00	102		
Gogerddan	9 9	103	13.6	6.4	10.0	-	31.1	-10.0	-	-	-	35.62	1.37	22	Apr	191	155	3	2	0	2	3	3	39	82	0	4.04	-		
Sryddifnyon	9 9	540	12.7	5.3	9.0	-	29.4	-10.6	-	-	-	48.25	1.05	16	Oct	207	173	4	3	0	1	1	2	52	122	-	3.84	-		
Trawcoed	9 9	200	13.8	5.9	9.9	-	30.0	-10.6	9.1	-	-	-	-	-	-	-	-	4	2	0	2	1	2	51	0	-	-	-		
Llety-evan-hen	9 9	950	11.6	5.9	8.7	-	28.9	-6.7	-	-	-	50.92	1.46	22	Apr	203	176	6	2	2	11	5	28	43	100	7	3.59	-		
Cwmystwyth	9 9	989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pembroke Dale Fort	9 9	109	13.3	8.5	10.9	-	22.8	-3.9	11.7	-	-	30.59	1.70	7	Aug	165	136	3	3	5	2	4	5	10	38	22	4.94	-		
Brawdy	9 9	360	12.3	7.1	9.7	-	24.4	-7.2	-	-	-	46.21	1.84	7	Aug	187	161	5	5	7	2	5	17	25	50	21	4.17	-		
Milford Haven	9 9	179	13.2	7.6	10.4	-	23.9	-7.7	-	-	-	37.70	2.01	7	Aug	177	149	5	3	14	0	6	9	23	-	9	4.61	-		
Haverfordwest	9 9	131	13.5	7.1	10.3	+0.5	24.4	-8.9	-	-	-	48.34	1.91	7	Aug	191	165	12	5	2	0	4	0	35	-	2	-	-		
Radnor Llandrindod Wells	9 9	772	13.1	4.8	8.9	+0.2	29.4	-10.0	-	-	-	38.67	95	26	Oct	176	152	6	4	0	0	2	10	64	0	0	3.55	97		
Brecknock Llywyon	9 9	860	12.5	5.0	8.7	-	27.2	-11.7	-	-	-	67.21	1.86	30	Nov	225	179	12	5	0	0	2	14	63	0	-	-	-		
Glamorgan Mumbles Head	21-9	117	12.9	8.4	10.7	-	24.0	-4.0	-	-	-	-	-	-	-	-	-	5	5	10	0	5	10	11	37	51	-	-		
Swansea	9 9	27	14.0	8.1	11.1	+0.3	26.1	-5.6	12.1	12.5	-	47.30	110	92	10	Sept	193	153	2	1	1	1	3	6	17	-	3	4.38	106	
Port Talbot	9 9	24	14.3	7.8	11.1	-	28.3	-8.9	-	-	-	44.11	-	1.12	29	Sept	184	150	1	1	4	0	1	3	3	27	-	3.88	-	
Neath	9 9	202	13.7	7.6	10.7	-	28.3	-8.3	-	-	-	50.08	-	1.31	29	Sept	192	156	3	2	4	0	1	3	9	22	54	8	-	-
Rhose	21-9	220	13.3	7.1	10.2	-	27.6	-6.9	-	-	-	34.29	97	1.33	10	Aug	166	130	6	0	9	0	9	18	28	78	9	4.47	-	
Cardiff	9 9	202	13.9	7.0	10.5	+0.4	29.4	-6.1	11.5	11.6	-	42.24	101	1.71	10	Aug	180	136	4	1	3	4	7	15	28	78	-	4.37	102	
Monmouth Tredegar	9 9	1028	12.1	5.2	8.7	-	27.2	-10.0	-	-	-	57.82	-	1.65	9	Oct	191	166	12	7	1	3	4	57	53	129	16	3.96	-S	
Newport	9 9	75	-	-	-	-	-	-	-	-	40.44	101	1.13	12	June	160	143	4	3	4	1	3	18	-	-	0	4.15	-		
Uak	9 9	70	14.3	5.9	10.1	-	28.9	-7.2	11.1	-	-	39.92	101	1.22	12	June	154	131	5	3	2	0	7	10	58	91	2	3.82	-	
Crumbland Plantation	9 9	804	12.6	5.9	9.3	-	27.8	-8.3	10.0	10.3	-	37.67	-	1.25	12	June	178	135	8	4	0	5	9	61	38	100	5	-	-	
8b ENGLAND, S.W.																														
Somerset Hawkrigge (Liscombe)	9 9	1030	-	5.6	-	-	25.6	-6.7	-	-	-	53.86	-	1.66	10	Aug	204	166	-	7	-	-	-	28	36	86	-	-	-	
Cannington	9 9	95	14.3	7.1	10.7	-	29.4	-8.3	11.6	-	-	25.07	84	1.20	29	Dec	153	123	1	0	3	1	4	14	34	-	2	4.70	-	
Weston-s.-Mare	9 9	28	14.3	7.7	11.0	-	29.4	-7.2	11.6	-	-	27.85	86	1.32	29	Dec	150	126	4	1	0	8	7	18	26	76	8	4.17	107	
Long Ashton	9 9	162	14.2	6.7	10.5	+0.4	29.4	-7.2	11.6	-	-	30.99	85	1.17	29	Dec	177	127	5	3	0	4	9	16	38	108	0	4.51	100	
Bath (City)																														
Boys' School	9 9	388	13.9	6.5	10.2	-	30.0	-8.3	11.6	11.6	-	26.42	-	1.12	29	Dec	145	113	2	1	1	1	4	13	38	-	5	-	-	
Bath	9 9	87	14.7	6.6	10.7	+0.4	30.6	-10.0	-	-	-	26.46	85	1.30	29	Dec	165	118	6	1	3	0	6	19	45	96	6	4.32	104.8	
Dorset Portland Bill	21-9	35	13.4	9.5	11.5	+0.7	21.6	-3.0	-	-	-	24.14	91	1.45	29	Jan	136	107	2	0	1	2	6	7	6	-	33	-	-	
Weymouth	9 9	16	14.8	8.3	11.5	+0.6	28.1	-4.4	-	-	-	28.88	96	1.00	29	Jan	147	111	-	0	-	-	-	7	22	-	-	5.04	106	
Shaftesbury	9 9	680	13.2	6.1	9.7	+0.4	27.2	-8.9	-	-	-	32.87	100	1.34	25	Apr	168	136	-	2	-	-	-	59	41	-	-	-	-	
Swanage	9 9	37	14.3	8.0	11.1	-	25.0	-5.6	-	-	-	31.47	-	1.38	29	Jan	146	110	4	-	2	0	13	7	22	31	25	4.90	-	
Poole	9 9	18	15.3	6.5	10.9	-	27.8	-6.7	-	-	-	31.35	-	1.34	25	Apr	147	115	3	1	0	2	5	17	43	-	-	1	4.68	-
Devon Hartland Pt.	21-9	298	12.6	8.9	10.7	-	25.4	-5.6	-	-	-	36.38	-	1.09	10	Aug	180	145	2	1	17	1	8	10	12	18	45	4.32	-	
Plymouth (Mt. Batten)	21-9	87	13.9	8.2	11.1	+0.3	25.1	-3.8	11.9	12.3	-	40.06	106	1.82	10	Aug	177	140	5	0	12	1	9	5	16	48	11	4.67	103	
Plymouth (The Hoe)	9 9	119	14.5	8.2	11.3	+0.3	28.1	-1.1	-	-	-	38.89	103	1.72	10	Aug	177	140	1	0	3	0	5	7	11	52	29	4.62	101	
Chivenor	21-9	20	14.3	8.1	11.2	-	28.6	-7.4	-	-	-	35.02	-	1.96	4	Oct	179	142	3	0	9	5	9	4	20	40	14	4.65	-	
Hilcombe	9 9	25	13.7	9.0	11.3	+0.2	28.9	-6.1	12.3	12.6	-	44.37	116	2.01	4	Oct	173	147	0	0	2	2	1	1	10	32	14	4.57	107	
Princetown	9 9	1359	-	-	-	-	-	-	-	-	-	82.31	94	2.24	29	Jan	198	176	-	0	-	-	-	-	-	-	-	-	-	
†† Totnes	9 9	120	15.0	6.3	10.7	-	28.9	-5.0	-	-	-	45.47	97	1.77	29	Jan	173	139	7	1	0	8	11	18	46	122	10	4.41	-	
Slapton	9 9	104	14.5	8.1	11.3	-	25.0	-2.2	-	-	-	39.13	-	1.65	29	Jan	174	147	5	0	5	4	5	5	10	51	9	-	-	
Newton Abbot	9 9	272	14.6	7.1	10.9	+0.6	27.8	-5.0	-	-	-	37.29	94	1.88	10	Aug	166	129	5	3	1	6	12	24	81	1	4.35	99		
Falnton	9 9	8	15.0	7.9	11.5	-	25.6	-3.3	-	-	-	34.38	89	1.29	10	Aug	165	124	2	0	3	0	4	5	16	-	8	4.43	97	
Torquay	9 9	26	14.6	8.3	11.5	+0.4	25.0	-2.8	-	-	-	32.25	92	1.34	10	Aug	160	117	4	0	1	6	4	20	11	49	29	4.96	105	
Teignmouth	9 9	20	14.7	8.7	11.7	+0.6	25.0	-3.3	-	-	-	29.50	89	1.86	10	Aug	172	121	2	0	0	3	4	8	10	28	16			

TABLE IV—SUMMARY OF OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1961

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD-AMOUNT (OKTAS)					VISIBILITY						WIND, NUMBER OF OBSERVATIONS																						
			At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	NO. OF OBSERVATIONS					NUMBER OF OBSERVATIONS						FORCE (0-12)			DIRECTION																
										0	1	2	3	4	0-44 yd.	45-210 yd.	220-490 yd.	440-1,090 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	0	1	2	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
			34 or more	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0			
0 SCOTLAND, N.																																								
Zetland	Lerwick Observatory	3	272	1008-3	-1.2	6.7	0.6	9.2	90	6-0	9	39	66	90	142	19	0	13	3	5	5	7	60	62	130	80	8	68	169	102	18	35	14	13	39	60	68	67	51	
		9	272	1008-5	-	7.6	0.9	9.4	87	6-5	0	23	49	161	117	15	0	10	3	6	6	1	16	63	99	118	79	14	73	183	84	11	47	15	13	44	59	72	64	40
		15	272	1008-5	-	8.2	1.2	9.4	84	6-4	1	22	44	153	115	10	0	7	4	3	5	10	47	72	140	77	10	87	196	65	7	44	20	11	43	78	59	64	39	
Orkney	Kirkwall (Grimsetter)	3	94	1009-1	-	7.0	0.7	9.2	89	6-1	3	49	58	98	14	0	10	1	4	8	13	64	66	124	75	10	67	175	103	10	55	15	14	38	80	54	64	35		
		9	94	1009-3	-	8.2	1.1	9.5	85	6-4	0	26	53	167	115	4	0	0	1	3	4	4	49	44	170	91	5	46	189	115	10	47	7	19	45	83	52	71	31	
		15	94	1009-1	-	9.3	1.5	9.7	81	6-2	1	39	58	150	117	0	0	0	0	0	0	0	7	51	140	113	6	55	192	108	4	49	15	20	39	86	37	77	38	
Caithness	Wick	3	121	1009-5	-0.8	7.4	0.9	9.3	88	5-7	5	63	65	104	122	6	0	1	2	3	6	4	40	55	177	77	3	41	160	149	12	40	12	19	45	81	47	76	33	
		9	121	1009-5	-	8.2	1.3	9.3	83	6-0	0	39	59	179	82	6	0	1	4	2	2	8	48	55	113	132	0	33	177	152	3	27	18	14	44	52	52	68	43	
		15	121	1009-3	-	9.3	1.7	9.5	79	6-2	1	32	54	195	78	5	0	1	3	3	4	1	53	52	133	110	3	23	172	157	10	32	11	28	44	80	50	71	39	
Sutherland	Cape Wrath	3	371	1008-2	-	7.7	0.9	9.3	87	6-2	9	30	62	81	161	22	0	12	6	3	4	1	25	27	83	211	5	33	92	204	31	35	18	24	28	76	84	42	27	
		9	371	1008-2	-	8.0	1.0	9.4	87	6-5	3	23	52	114	156	17	0	6	4	5	4	1	0	25	43	77	210	5	32	109	197	22	26	15	34	27	74	92	38	37
		15	371	1008-2	-	8.7	1.2	9.7	84	6-5	2	16	72	117	148	10	0	4	3	2	2	2	2	22	30	76	222	5	33	99	195	33	35	16	33	67	71	54	23	
Ross & Cromarty	Stornoway	3	16	1009-3	-0.6	8.5	1.1	9.6	84	5-9	1	42	67	158	97	0	0	0	0	0	0	3	48	84	109	121	6	33	183	126	17	25	21	25	28	114	58	43	34	
		9	16	1009-3	-	9.8	1.6	9.9	80	6-0	5	38	60	171	90	1	0	0	0	0	0	0	5	35	80	108	135	6	58	179	114	8	24	39	11	34	103	56	57	33
		15	16	1009-7	-	7.9	0.9	9.6	87	5-1	24	77	51	105	108	0	0	1	0	0	0	0	6	37	98	136	87	3	27	145	163	27	35	24	23	16	99	65	39	37
Inverness	Benbecula	3	21	1009-3	-	8.0	0.7	9.9	90	5-7	13	50	62	111	128	115	0	0	0	0	0	4	9	50	97	84	121	11	74	173	97	10	34	24	20	53	87	59	48	30
		9	21	1008-4	-	8.9	1.0	10.1	87	5-9	2	52	64	132	115	0	0	0	0	0	0	5	11	43	94	70	142	10	91	183	78	3	27	20	18	38	98	65	56	40
		15	21	1008-7	-	8.4	0.8	10.1	89	5-6	10	60	59	127	107	2	0	1	1	1	7	8	44	98	96	109	6	69	171	104	15	44	18	28	39	81	56	53	31	
1 SCOTLAND, E.																																								
Moray	Kinloss	3	19	1010-0	-	6.9	1.1	8.6	84	5-7	12	49	61	156	87	0	0	0	0	3	8	44	66	162	80	0	15	122	224	4	14	13	35	22	64	148	43	22		
		9	19	1010-2	-	8.5	1.7	9.0	79	6-1	1	37	50	220	56	1	0	0	2	6	1	10	36	65	108	137	1	22	142	198	2	30	9	31	21	60	112	70	30	
		15	19	1009-8	-	10.6	2.4	9.3	71	6-0	1	39	52	216	55	2	0	0	1	3	4	7	33	57	117	143	2	34	176	151	2	36	21	38	15	46	91	78	38	
Aberdeen	Dyce	3	193	1011-1	-0.3	8.1	0.8	8.6	88	5-2	33	61	51	109	105	5	0	0	4	6	5	27	65	89	103	65	0	7	62	201	95	27	4	6	21	57	52	45	58	
		9	193	1011-2	-	8.2	1.4	9.1	81	6-1	0	45	48	178	89	3	0	0	2	2	6	24	69	74	88	100	1	16	144	189	15	33	9	19	41	91	44	65		
		15	193	1010-9	-	10.3	2.2	9.5	74	5-9	2	39	76	175	79	3	0	3	1	4	9	35	101	85	78	49	3	4	86	213	59	28	5	8	27	73	59	48	58	
Fife	Leuchars	3	108	1010-0	-	7.3	1.0	9.0	85	5-3	27	62	56	118	85	6	0	5	0	2	1	4	34	162	157	0	3	30	133	189	10	38	2	13	13	141	44	97	17	
		9	108	1010-2	-	7.1	0.9	8.9	86	5-8	0	39	81	154	85	6	0	4	2	1	2	1	2	48	90	217	0	4	30	151	170	10	42	3	17	18	120	42	89	24
		15	108	1010-1	-	8.3	1.3	9.3	83	5-8	0	27	96	161	75	6	0	3	1	2	1	4	41	112	201	0	7	40	182	131	5	41	3	25	18	120	42	89	24	
Midlothian	Turnhouse	3	114	1011-8	-	7.9	1.1	9.2	84	5-5	0	44	104	136	70	11	0	6	3	1	2	1	4	41	112	201	0	7	40	182	131	5	41	3	25	18	120	42	89	24
		9	114	1011-5	-	9.7	1.7	9.6	78	5-7	0	23	118	158	61	5	0	3	1	2	1	4	41	112	201	0	7	40	182	131	5	41	3	25	18	120	42	89	24	
		15	114	1011-5	-	11.2	2.5	9.7	72	5-8	2	35	78	185	63	3	0	3	3	7	5	41	61	120	77	48	2	33	163	142	25	23	42	35	9	25	83	108	15	
6a SCOTLAND, W.																																								
Argyll	Tiree	3	34	1010-1	-	8.4	0.7	10.2	90	5-5	15	63	52	103	130	2	0	0	0	3	1	10	73	112	76	90	4	65	184	85	27	40	17	11	46	79	52	58	35	
		9	34	1010-2	-0.9	9.3	0.9	10.5	87	6-1	0	44	54	159	107	1	0	0	0	1	3	5	66	97	74	119	6	91	176	79	13	44	7	14	44	71	73	57	42	
		15	34	1010-5	-	10.3	1.3	10.8	84	5-8	4	44	67	155	94	0	0	0	0	2	3	15	70	100	72	103	5	77	172	87	24	14	16	47	63	65	58	37		
Renfrew	Renfrew	3	63	1011-4	-	8.7	0.9	10.0	87	5-1	0	93	88	174	108	2	0	0	0	1	0	4	34	43	122	161	7	27	138	187	6	34	15	30	23	116	41	71	29	
		9	63	1011-6	-	9.4	1.2	10.2	84	5-9	0	41	85	122	117	0	0	0	0	0	1	6	30	33	128	166	15	33	136	180	1	30	13	21	24	99	36	97	44	
		15	63	1011-5	-	10.5																																		

TABLE IV (continued) - SUMMARY OF OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1961

Main data table with columns for District, County and Place; Hour of Observation; Mean Pressure; Mean Temperature and Humidity; Cloud Amount (OKTAS); Visibility; and Wind, Number of Observations. Includes sub-sections for 3 ENGLAND, E., 4 MIDLAND COUNTIES, and 5 ENGLAND, S.E.

* previously known as "Elmdon"

TABLE V (continued) - WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1961 AT EACH STATION

*DISTRICT AND PLACE	WARMEST				COLDEST				*DISTRICT AND PLACE	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C		Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C
0 SCOTLAND, N.-cont.																	
Lairg (Achny)	Aug. 29	25.6	July 1	13.9	Dec. 29	-7.8	Dec. 30	-17.8	SCOTLAND, W.-cont.	Sept. 9	21.7	Aug. 28, Sept. 3	13.3	Dec. 29	1.1	Dec. 31	-6.7
Strathlyon	Aug. 29	26.1	Aug. 29	15.0	Dec. 29	-1.7	Dec. 30	-13.3	Campbelltown	Aug. 29, Sept. 3	-	Aug. 29, Sept. 3	14.4	-	-	Dec. 31	-10.0
Stornoway	Aug. 29	21.0	Aug. 29	13.8	Dec. 30	-0.9	Dec. 30	-11.2	(Achnaglachgach)	-	-	Aug. 29, Sept. 2	14.4	-	-	Dec. 31	-7.8
Achnashellach	Aug. 29	27.2	Aug. 30	13.9	Dec. 29	(-5.6)	Dec. 30	-14.4	Lephmlore	Aug. 29	23.3	Aug. 29	14.4	Dec. 29	-2.8	Dec. 31	-11.1
Kinlochewe	Aug. 29	28.9	Aug. 29	15.6	Dec. 29	-4.4	Dec. 30	-12.8	Glenbranter	Aug. 29	23.9	Aug. 17, 30,	13.9	Dec. 29	-0.6	Dec. 27,	-7.8
Tarbatness	Aug. 29	24.5	Aug. 29	14.5	Dec. 30	-5.5	Dec. 30	-9.0	Bennore	Aug. 29	22.2	Sept. 3	14.4	Dec. 29	0.0	Dec. 31	-5.0
Benbecula	Aug. 29	20.0	Aug. 29	15.5	Dec. 29	-1.7	Dec. 30	-10.5	(Forestry Sch.)	Aug. 29	22.2	Aug. 29, Sept. 2	14.4	Dec. 29	0.0	Dec. 31	-4.4
Isle of Rhum	Aug. 28, 29	21.7	Aug. 29	16.1	Dec. 30	-1.7	Dec. 30	-8.3	Millport	Aug. 29	22.2	Sept. 2	15.6	Dec. 30	0.0	Dec. 31	-4.4
Prabost	Aug. 29	25.6	Aug. 29	14.4	Dec. 29	-2.8	Dec. 30	-8.3	Helensburgh	Aug. 29	22.2	July 1, Aug. 29	13.9	Dec. 29	-1.7	Dec. 31	-7.2
Duntulm	Aug. 29	23.9	Aug. 29	15.0	Dec. 28,	-1.1	Dec. 29	-6.1	Stirling	Aug. 29	26.1	July 1	15.6	Dec. 21	-1.7	Dec. 31	-8.3
Onich	Aug. 29	25.6	Aug. 29, Sept. 2	13.9	Dec. 30	-3.9	Dec. 31	-11.1	Greenock	Aug. 29	23.9	Sept. 2	15.6	Dec. 25	-1.7	Dec. 31	-5.6
Fort William	Aug. 29	27.8	July 1, Aug. 29,	13.3	Dec. 30	-7.2	Dec. 31	-15.0	Paisley	Aug. 29	25.0	Aug. 29	15.6	Dec. 25	-1.7	Dec. 31	-7.2
(Camaghael)			Sept. 2						Barrhead	Aug. 29	25.6	Sept. 2	15.0	Dec. 25,	-1.7	Dec. 26,	-9.4
Fort Augustus	Aug. 29	27.2	July 1	14.4	Dec. 29,	-6.7	Dec. 30,	-16.7	Renfrew	Aug. 29	25.4	July 1, Aug. 29	15.0	Dec. 7,	-1.6	Dec. 31	-9.8
Cannich	-	-	June 29	12.8	Dec. 30	-	Dec. 30	-22.2	Thorntonhall	Aug. 29	23.9	Aug. 29	15.6	Dec. 29,	-2.8	Dec. 31	-11.7
Inverness	Aug. 29	26.7	July 1	14.4	Dec. 29	-5.0	Dec. 30,	-11.1	Glasgow, Spr. Pk.	Aug. 29	24.4	July 1, Sept. 2	15.0	Dec. 29,	-2.2	Dec. 31	-9.4
Achnagoichan	Aug. 29	25.0	Aug. 29	15.0	Dec. 29	-7.2	Dec. 30	-19.4	Coatbridge	Aug. 29	25.6	July 1, Sept. 2	15.0	Dec. 29	-2.2	Dec. 31	-11.1
Glenmore Lodge	Aug. 29	25.0	Aug. 29	15.0	Dec. 29	-7.3	Dec. 31	-18.0	Coalburn (Midtown)	Aug. 29	25.2	Aug. 29	14.5	Dec. 30	-3.6	Dec. 31	-14.5
1 SCOTLAND, E.									Lowther Hill	Aug. 29	20.0	Sept. 2	12.8	Dec. 29	-0.6	Dec. 31	-11.5
Nairn	Aug. 29	27.8	Aug. 29	14.4	Dec. 3	-1.1	Dec. 30	-12.2	Leadhills	Aug. 29	25.6	Aug. 29, Sept. 2	13.9	Dec. 30	-4.4	Dec. 31	-15.0
Grantown-on-Spey	Aug. 29, 30	25.0	Aug. 29	13.9	Dec. 3	(-5.0)	Dec. 31	(-15.0)	Carnwath	Aug. 29	25.0	-	Dec. 30	-3.3	-	-	
Forres	Aug. 29	26.7	Aug. 29	16.7	Dec. 29	-5.6	Dec. 31	-16.7	Turnberry	Aug. 29	23.9	Aug. 29	15.0	-	-	-	
Kinloss	Aug. 29	27.1	July 1	15.9	Dec. 30	-6.8	Dec. 31	-16.0	Barr	Sept. 1	23.9	Sept. 3	13.9	Dec. 29, 30	-1.7	Dec. 31	-15.0
Elgin	Aug. 29	27.2	Aug. 29	16.1	Dec. 29	-3.3	Dec. 30	-15.0	Auchincruive	Aug. 29	24.4	Aug. 29	15.6	Dec. 24,	0.0	Dec. 31	-10.6
Lossiemouth	Aug. 29	26.7	June 25, July 1	13.9	Dec. 29	-0.6	Dec. 30	-16.1	Prestwick Airport	Aug. 29	25.4	Aug. 29	17.3	Dec. 29	-0.8	Dec. 31	-10.3
Gordon Castle	Aug. 29	26.7	July 1	13.3	Dec. 29	-2.8	Dec. 30	-16.1	Kilmarnock	-	-	Aug. 29	16.1	-	-	Dec. 31	-10.0
Braemar	Aug. 29	24.4	July 1, Aug. 28	12.2	Dec. 29	-8.9	Dec. 30	-15.0	Moniaive	Aug. 29	24.4	Sept. 3	13.9	Dec. 7,	-1.7	Dec. 31	-11.7
Balmoral	Aug. 29	25.0	July 1	13.3	Dec. 29	-6.1	Dec. 30	-13.9	(Dalnacallan)	-	-	Sept. 3	13.9	Dec. 7,	-1.7	Dec. 31	-11.7
Logie Coldstone	Aug. 29	25.6	-	-	Dec. 29	-5.6	Dec. 27	-13.3	Dumfries	Aug. 29	25.6	July 1	14.4	Jan. 14	-1.1	Dec. 31	-10.0
Fyvie Castle	Aug. 29	23.3	Aug. 29	15.6	Dec. 29	-3.3	Dec. 27	-7.8	Esksdalemuir	Aug. 29	24.8	Sept. 5	13.3	Dec. 7	-4.5	Dec. 31	-18.5
Craigstone	July 1	22.8	July 1, Aug. 29	14.4	Dec. 29	-3.3	Dec. 30	-11.2	Bargrennan	Aug. 29	22.2	Aug. 29, Sept. 2,	13.3	Dec. 30	-0.6	Dec. 31	-12.8
Dyce	July 1	23.6	Aug. 29	14.7	Dec. 30	-4.4	Dec. 29	-7.2	Palnure	Sept. 1, 2	22.8	Aug. 29, Sept. 2	15.0	Dec. 30	0.0	Dec. 31	-14.4
Aberdeen	July 1	23.9	July 1, Aug. 29	14.4	Dec. 29	-3.3	Jan. 16	-10.0	Glenlee	Aug. 29	25.0	Sept. 3	13.9	Dec. 30	-1.1	Dec. 31	-15.0
Udny	Aug. 29	22.8	Aug. 5, 29	13.9	Dec. 29	-3.9	Dec. 4	-6.0	Carsphairn	Aug. 29	23.9	Sept. 3	13.3	Dec. 29,	-1.1	Dec. 31	-16.1
Ratray Head	July 1	21.7	Aug. 29	14.8	Dec. 3	-1.5	Dec. 4	-10.0	(Dundeeh)	-	-	Sept. 3	13.3	Dec. 29,	-1.1	Dec. 31	-16.1
Fettercairn	July 1	22.8	Sept. 2	13.3	Dec. 29	-3.9	Dec. 29	-7.8	Glenlocharr Barrage	Aug. 29	23.9	Sept. 3	14.4	Dec. 24,	0.0	Dec. 31	-12.2
Muchalls	July 1	23.3	Aug. 29	13.9	Dec. 29	-3.9	Dec. 30	-7.8	Castle Douglas	Aug. 29	24.4	July 1, Sept. 3	14.4	Dec. 24,	-0.6	Dec. 31	-12.8
Dundee (Mynefield)	Aug. 29	26.7	June 25, July 1	13.9	Dec. 29,	-1.7	Dec. 27,	-8.3	Stranraer	Sept. 1	21.1	Sept. 2	14.4	Dec. 30	-2.2	Dec. 25	-11.7
Auchterhouse	Aug. 29	24.4	Sept. 2	13.3	Dec. 29	-3.3	Dec. 27	-7.2	(Penwhirn)	Sept. 1	21.1	Sept. 2	14.4	Dec. 30	-2.2	Dec. 25	-11.7
Dundee	Aug. 29	25.6	July 1	14.4	Dec. 29	-1.7	Dec. 31	-10.6	Mull of Galloway	June 23	19.5	Aug. 29	15.0	Dec. 29	0.4	Dec. 30	-6.0
Glamis Castle	Aug. 29	26.1	July 8	13.3	Dec. 29	-2.2	Dec. 31	-10.6	2 ISLE OF MAN								
Buddon Ness	June 30, July 1,	21.7	June 25	13.9	Dec. 29	-2.2	April 4	-10.6	Ronaldsway	Sept. 1	21.1	Aug. 4	16.1	Dec. 24,	1.4	Dec. 31	-9.1
Carnoustie	Aug. 16	23.3	June 25	14.4	Dec. 29,	-1.7	Dec. 31	-7.8	Douglas	Sept. 1, 2	21.7	Sept. 2	15.6	Dec. 30,	1.1	Dec. 31	-6.1
Arbroath	July 1	22.2	Aug. 28	13.3	Dec. 29	-2.2	Dec. 27	-6.7	Point of Ayre	Aug. 29	23.0	Aug. 29	15.4	Dec. 24,	2.0	Dec. 27,	-4.4
Montrose	July 1	24.4	July 1	14.4	Dec. 29	-2.8	Dec. 27	-7.2	2 ENGLAND, N.E.								
Strathre	-	-	July 1	13.9	Dec. 29	-1.7	Dec. 31	-10.6	Kielder Castle	Aug. 29	26.1	July 8, Aug. 28	12.8	Dec. 27	-2.8	Dec. 31	-17.2
Callander	Aug. 29	23.9	Sept. 3	13.9	Dec. 29	-1.7	Dec. 30,	-10.6	Bellingham	Sept. 1	25.6	June 25, July 1	12.8	Dec. 24,	-1.1	Dec. 31	-12.2
Loch Tay	Aug. 29	25.0	Sept. 2	14.4	Dec. 29	-3.3	Dec. 30	-8.9	Haydon Bridge	Sept. 1	26.7	June 25	15.0	Dec. 7,	-1.7	Dec. 31	-16.7
(Ardtalnaig)	-	-	July 1	13.3	-	-	Dec. 30	-11.7	Berwick-on-Tweed	June 30,	24.4	July 1	15.6	Dec. 19	-0.5	Dec. 31	-10.0
Pitlochry	Aug. 29	25.6	July 1	13.9	Dec. 29	-3.3	Dec. 4	-10.6	Ponteland	Sept. 1	26.7	June 17, Sept. 16	13.3	Dec. 26	-0.5	Dec. 31	-12.8
Pitlochry (Faskally)	Aug. 29	28.7	July 1	13.9	Dec. 30	-1.7	Dec. 31	-10.0	Cockle Park	June 30, Aug.	25.0	June 25	13.9	Dec. 7,	0.6	Dec. 31	-8.3
Dunning	Aug. 29	27.2	July 1	15.0	Dec. 30	-2.2	Dec. 31	-13.9	Acklington	29, Sept. 1	25.5	June 25	14.7	Dec. 25	-1.4	Dec. 31	-8.9
Perth	Aug. 29	25.0	July 1, Sept. 2	13.3	Dec. 29	-1.7	Dec. 27	-9.4	Tynemouth	June 30	26.0	Aug. 26	16.0	Dec. 28	-1.0	Dec. 31	-6.7
Blaigowrie	Aug. 29	23.9	June 25, July 1	11.7	Dec. 3,	-2.8	Dec. 4	-13.3	Chopwellwood	June 30	26.1	July 1	15.0	Dec. 27,	0.0	Dec. 25	-11.7
Gleneshe Lodge	Aug. 29	23.9	June 25, July 1	11.7	Dec. 3,	-2.8	Dec. 4	-13.3	Ushaw College	June 30	25.6	July 1	15.0	Dec. 24,	-0.5	Dec. 31	-8.9
Dunfermline	Aug. 29	28.0	July 1	14.4	Dec. 29	-2.1	Dec. 31	-9.4	Houghall	June 30,	26.1	June 25, July 8	13.9	Dec. 27	-0.5	Dec. 31	-13.3
(Pitreevie)	Aug. 29	26.7	Sept. 2	14.4	Dec. 29,	-1.7	Dec. 31	-8.9	Durham	June 30,	26.1	July 1	15.6	Dec. 27	-0.5	Dec. 25,	-8.9
Kirkcaldy	Aug. 29	26.7	Sept. 2	14.4	Dec. 29,	-1.7	Dec. 31	-8.9	Gateshead	Aug. 29	25.6	July 1	15.6	Dec. 27	-1.1	Dec. 31	-8.3
Cupar	Aug. 29	26.7	July 31	(12.8)	Dec. 30	-2.2	Dec. 8	-8.9	Middleton St. Gge.	Aug. 29	27.2	Sept. 16	15.9	Dec. 28	-4.3	Dec. 31	-8.3
Lundin Links	Aug. 29	25.6	Sept. 2	14.4	Dec. 29,	-1.1	Dec. 31	-6.1	West Hartlepool	June 30	27.2	July 1	16.7	Dec. 24	1.1	Dec. 28	-6.1
Leuchars	Aug. 29	26.6	June 25	13.8	Dec. 29	-2.5	Dec. 27	-9.5	Dishforth	Aug. 29	28.2	Aug. 26	15.6	Dec. 28	-5.0	Dec. 29	-6.8
St. Andrews	Aug. 29	26.7	-	-	Dec. 29	0.0	-	-	York	Aug. 29	29.4	Sept. 16	16.1	Dec. 28	-5.0	Dec. 25,	-6.7
Midcalder	Aug. 29	27.8	July 1	14.4	Dec. 29,	-1.7	Dec. 27	-11.1	Ampleforth	June 30,	26.1	Aug. 29, Sept. 16	15.0	Dec. 28	-3.9	Dec. 29	-7.2
Turnhouse	Aug. 29	28.5	July 1	15.6	Dec. 30	-1.6	Dec. 27	-13.1	Redcar	Aug. 29	27.8	Aug. 29	17.8				

TABLE V (continued) - WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1961 AT EACH STATION

*DISTRICT AND PLACE	WARMEST				COLDEST				*DISTRICT AND PLACE	WARMEST				COLDEST											
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT									
	Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C		Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C								
3 ENGLAND, E.-cont. Marham Santon Downham West Raynham Cromer Sproston Burlingham Gorleston Mildenhall East Bergholt Wattisham Felixstowe Lowestoft Boxworth Cambridge Bot.Gdn. Cambridge N.I.A.B. Wyton Woburn Goldington Luton Silsoe Cardington Letchworth Bovingdon Garston Rothamsted St. Albans Stanstead Abbots Hoddesdon Eastwick Lodge Stansted Writtle Coryton Southend Maldon Earls Colne Shoeburyness Clacton Dovercourt	July 1	31.3	July 2	16.4	Dec. 28	-3.0	Dec. 28	-10.5	4 MIDLAND COUNTIES-cont. Aylesbury Keele Oakden Wheaton Aston Stone Penkridge Onecote Oswestry Shrewsbury Shawbury Newport Malvern Worcester (Redhill) Pershore (Institute of Horticulture) Pershore Halesowen Lyonshall Ross-on-Wye Preston Wynne Bristol (Filton) Ruscombe Gloucester (Hempsted) Cirencester Little Rissington Kensington Hampstead Westminster Regent's Park Camden Square Greenwich (Maritime Museum) London Airport Hampton Wealdstone Southgate Wisley Mickleham Kew Observatory Gatwick Croydon (Waddon) Addington Bromley Swanley Dartford Tunbridge Wells Goudhurst East Malling Gillingham Sittingbourne Isle of Grain Throwley Faversham Dungeness Wye Whitstable Folkestone Wingham (Elmstone) Herne Bay Dover Deal Ramsgate Manston Margate Thorney Island Bognor Regis Littlehampton Rustington Worthing Brighton East Grinstead Seaford Eastbourne Eastbourne (Cguard) Bexhill Sedlescombe Bodiam Hastings	July 1	33.3	July 26, Sept. 16, 24	15.6	Dec. 28	-1.7	Dec. 29	-16.1	July 1, Aug. 29	29.4	July 2	17.2	Dec. 25	-1.1	Dec. 29	-10.6
	July 1	33.3	July 26, Sept. 16, 24	15.6	Dec. 28	-1.7	Dec. 29	-16.1		Aug. 29	28.9	Sept. 16	16.7	Dec. 28	-3.3	Dec. 29	-7.8	Dec. 25	-3.9						
	July 1	30.8	Aug. 30	15.6	Dec. 28	-4.0	Dec. 29	-9.1		Aug. 29	29.4	Sept. 16	16.7	Dec. 28	-3.3	Dec. 29	-7.8	Dec. 25	-3.9						
	July 30	28.3	July 2	16.7	Dec. 28	-0.6	Dec. 29	-9.4		Aug. 29	28.3	Sept. 16	16.7	Dec. 28	-4.4	Dec. 28	-8.3	Dec. 29	-8.3						
	July 1	32.8	July 2, 26, Aug. 30, Sept. 16, 24	15.6	Dec. 28	-1.7	Dec. 29	-8.3		Aug. 29	29.4	Sept. 16	16.7	Dec. 28	-2.8	Dec. 29	-8.3	Dec. 25	-7.8						
	July 1	30.6	July 26, Aug. 30, Sept. 16, 24	15.6	Dec. 28	-1.1	Dec. 29	-8.3		Aug. 29	25.0	Sept. 2, 16	15.0	Dec. 24	-3.3	Dec. 29	-8.9	Dec. 25	-7.8						
	July 25	28.1	Aug. 30	17.4	Jan. 26	-0.5	Dec. 29	-5.0		Sept. 2	27.8	Sept. 16	17.8	Dec. 18	-2.2	Dec. 28	-8.9	Dec. 28	-10.0						
	July 1	33.2	July 2, Sept. 16	16.0	Dec. 28	-2.5	Dec. 29	-10.6		Aug. 29	29.4	Sept. 16	17.8	Dec. 28	-3.9	Dec. 28	-10.0	Dec. 28	-10.0						
	July 1	32.8	Sept. 19	16.7	Dec. 23	0.6	Dec. 29	-9.4		Sept. 2	27.8	Sept. 16	17.8	Dec. 18	-2.2	Dec. 28	-8.9	Dec. 28	-10.0						
	July 1	32.8	Sept. 19	16.7	Dec. 28	-2.2	Dec. 28	-6.7		Aug. 29	29.4	Sept. 16	17.9	Dec. 28	-3.9	Dec. 28	-11.8	Dec. 28	-11.8						
	July 2	29.6	July 2	19.0	-	-	-	-		Aug. 29	29.8	Sept. 16	17.9	Dec. 28	-3.9	Dec. 28	-11.8	Dec. 28	-11.8						
	July 24, 25	27.6	July 2	17.2	Dec. 23	0.6	Dec. 29	-5.6		Aug. 29	29.4	Sept. 16	17.8	Dec. 28	-4.4	Dec. 28	-10.0	Dec. 28	-10.0						
	July 1	31.1	Sept. 16	16.1	Dec. 28	-2.8	Dec. 29	-8.9		Aug. 29	31.1	Sept. 3, 16	17.2	Dec. 18	-2.8	Dec. 29	-7.8	Dec. 29	-7.8						
	July 1	32.8	July 2, Sept. 16	16.1	Dec. 28	-1.1	Dec. 29	-9.4		Aug. 29	31.1	Sept. 16	17.2	Dec. 28	-2.8	Dec. 28	-7.2	Dec. 28	-7.2						
	July 1	32.2	Sept. 16	16.7	Dec. 28	-1.7	Dec. 25	-8.3		Aug. 29	31.8	Sept. 16	17.7	Dec. 16	-2.8	Dec. 28	-8.3	Dec. 28	-8.3						
	July 1	31.1	Sept. 16	16.5	Dec. 28	-1.6	Dec. 29	-10.3		Aug. 29	31.8	Sept. 16	17.7	Dec. 18	-2.8	Dec. 28	-8.3	Dec. 28	-8.3						
	July 1, Aug. 29	30.0	Sept. 16	17.2	Dec. 18, 28	-2.8	Dec. 29	-10.0		Aug. 29, Sept. 2	28.9	Sept. 16	16.7	Dec. 28	-3.9	Dec. 29	-8.9	Dec. 29	-8.9						
	July 1	31.7	Sept. 16	17.2	Dec. 25, 28	-1.1	Dec. 25	-7.8		Aug. 29	30.3	Sept. 19	17.5	Dec. 28	-2.9	Dec. 28	-7.3	Dec. 28	-7.3						
	July 1	31.7	Sept. 16	17.2	Dec. 25, 28	-1.1	Dec. 25	-7.8		Aug. 29	30.6	Sept. 19	17.2	Dec. 18	-2.8	Dec. 28	-8.9	Dec. 28	-8.9						
	July 1	31.1	Sept. 16	17.2	Dec. 28	-2.2	Dec. 29	-10.6		Aug. 29	30.6	Sept. 16	17.2	Dec. 28	-4.4	Dec. 31	-8.5	Dec. 29	-7.8						
	Aug. 29	30.9	Sept. 16	16.8	Dec. 28	-3.3	Dec. 29	-10.6		Aug. 29	30.1	Sept. 16	17.2	Dec. 28	-4.4	Dec. 31	-8.5	Dec. 29	-7.8						
	July 1	32.2	Sept. 16	17.2	Dec. 18, 28	-2.2	Dec. 25	-8.9		Aug. 29	28.9	Sept. 16	15.6	Dec. 18, 24, 29	-1.7	Dec. 29	-7.8	Dec. 29	-7.8						
	July 1	30.8	July 2	17.5	Dec. 28	-1.9	Dec. 28	-9.3		Aug. 29	30.6	Sept. 16	18.3	Dec. 28	-2.8	Dec. 28	-7.2	Dec. 28	-7.2						
	July 1	32.2	July 2	16.7	Dec. 31	0.0	Dec. 29	-8.3		Aug. 29	29.1	Sept. 16	16.7	Dec. 28	-2.2	Dec. 29	-8.9	Dec. 28	-8.9						
	July 1	31.7	July 2, Sept. 16, 19	15.6	Dec. 23, 25, 31	-0.5	Dec. 29	-8.9		July 1	33.3	July 2	18.9	Dec. 25	0.6	Dec. 25	-3.9	Dec. 25	-3.9						
	July 1	32.8	July 2, Sept. 16	15.6	Dec. 31	0.0	Dec. 29	-8.9		July 1	32.8	July 2	19.4	Dec. 24, 25, 31	0.0	Dec. 19, 28	-5.0	Dec. 19	-5.0						
	July 1	32.8	July 11, Aug. 4, Sept. 16	16.1	Dec. 31	0.6	Dec. 29	-8.9		July 1	33.3	July 2	19.4	Dec. 24, 25	1.1	Dec. 28	-3.9	Dec. 28	-3.9						
	July 1	32.8	Aug. 30	16.7	Jan. 25, Dec. 26, 28	1.1	Dec. 29	-7.8		July 1	33.9	July 2	18.9	Dec. 23	0.6	Dec. 28	-6.1	Dec. 28	-6.1						
	July 1	32.8	Sept. 16, 19	16.1	Dec. 23, 28, 31	0.6	Dec. 29	-8.3		July 1	33.9	July 2	20.0	Dec. 23, 24, 25, 28	1.1	Dec. 25, 28	-3.9	Dec. 25	-3.9						
	July 1	32.3	July 2	16.6	Dec. 28	-1.8	Dec. 28	-8.1		July 1	33.3	Aug. 5, 30	17.2	Dec. 18, 24, 29	0.6	Dec. 25	-5.0	Dec. 25	-5.0						
July 1	32.8	June 18, Sept. 19	16.1	Dec. 18, 23, 24	0.6	Dec. 29	-7.2	July 1	33.8	July 2	17.9	Dec. 28	-0.6	Dec. 31	-9.4	Dec. 28	-9.4								
July 1	32.2	July 2	18.9	Dec. 31	1.1	Dec. 18	-3.9	July 1	32.8	July 2	17.8	Dec. 25, 31	0.6	Dec. 28	-6.1	Dec. 28	-6.1								
July 1	31.1	July 2	20.0	Dec. 31	1.1	Dec. 7	-3.3	July 1	33.3	July 2	18.9	Dec. 23	0.6	Dec. 29	-5.0	Dec. 29	-5.0								
July 1	29.4	July 2	17.8	Dec. 28	0.6	Dec. 28	-6.7	July 1	33.3	July 2	18.9	Dec. 23	0.6	Dec. 29	-5.0	Dec. 29	-5.0								
July 1	32.2	July 11, Sept. 5, 19, 24	15.6	Dec. 23, 24	(0.6)	Dec. 29	-7.8	July 1	33.3	July 2	18.9	Dec. 23	0.6	Dec. 29	-5.0	Dec. 29	-5.0								
July 2	28.9	Aug. 5	17.8	Dec. 28	0.1	Dec. 28	-4.4	July 1	32.2	Aug. 5	16.7	Dec. 19	-0.6	Dec. 28	-8.3	Dec. 28	-8.3								
June 24	27.2	July 2	18.3	Dec. 23	0.6	Dec. 29	-3.3	July 1	32.2	Aug. 5	16.7	Dec. 24	-0.6	Dec. 27	-11.1	Dec. 27	-11.1								
July 2	28.3	Sept. 16, 19	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	31.7	July 2	18.0	Dec. 28	-0.8	Dec. 28	-3.9	Dec. 28	-3.9								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.7	Dec. 28	-9.6	Dec. 28	-9.6								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 29	-7.2	July 1	32.2	Aug. 5	16.1	Dec. 28	-0.6	Dec. 25	-6.7	Dec. 25	-6.7								
Aug. 29	28.3	Aug. 29	17.2	Dec. 23	1.1	Dec. 2																			

TABLE V (continued) - WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1961 AT EACH STATION

*DISTRICT AND PLACE	WARMEST				COLDEST				*DISTRICT AND PLACE	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C		Highest Maximum and date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C
5 ENGLAND, S.E. Letcombe Regis	Aug. 29	31.1	July 2, Sept. 16	16.1	Dec. 18	-2.2	Dec. 29, 30	-12.2	8a SOUTH WALES Aberporth	Sept. 1	28.6	Aug. 29	18.1	Dec. 28	-1.4	Dec. 28	-5.4
Abingdon	Aug. 29	31.8	July 2	18.3	Dec. 28	-3.4	Dec. 28	-11.3	Aberystwyth	Sept. 1	30.6	Aug. 29	18.3	Jan. 25, Dec. 23, 27	2.2	Dec. 28	-7.2
Woolhampton	July 1	30.6	July 2	17.2	Dec. 18	-2.2	Dec. 28	-11.1	Aberystwyth P.B.S.	Sept. 1	30.0	Sept. 2	17.2	Dec. 24	-1.1	Dec. 28	-7.8
Wallingford	Aug. 29	30.0	July 2	16.7	Dec. 24, 25	0.0	Dec. 28	-9.4	Gogerddan	Sept. 1	31.1	Sept. 1, 2	17.2	Dec. 31	-1.1	Dec. 28, 31	-10.0
Shinfield	Aug. 29	30.0	July 2	16.7	Dec. 24, 25	0.0	Dec. 28	-9.4	Swyddffynnon	Sept. 1, 3	29.4	Aug. 29	16.7	Dec. 31	-3.9	Dec. 28, 29, 31	-10.6
Reading	Aug. 29	31.1	July 2	17.8	Dec. 31	0.0	Dec. 28, 29	-7.8	Trawscoed	Sept. 1	30.0	Aug. 29	17.8	Jan. 25, Dec. 28	1.7	Dec. 28	-10.6
Reading S.T.G.	July 1, Aug. 29	30.6	July 2, Aug. 5	16.7	Dec. 31	0.0	Dec. 28	-9.4	Liety-evan-hen	Sept. 1	28.9	Sept. 2	17.2	Dec. 31	-1.1	Dec. 28, 31	-6.7
Finchampstead	July 1	30.6	Sept. 16	15.6	Dec. 25	-0.6	Dec. 28	-11.1	Dale Fort	Sept. 1	22.8	Sept. 2	16.7	Dec. 24	1.1	Dec. 28, 29	-3.9
Hurley	July 1, Aug. 29	30.6	July 2	17.2	Dec. 25	0.6	Dec. 28, 29	-8.3	Brawdy	Sept. 1	24.4	Aug. 29	16.1	Dec. 24	-1.1	Dec. 28	-7.2
Bournemouth	Aug. 30	25.6	July 2	18.3	Dec. 24, 25, 31	0.0	Dec. 28, 29	-7.2	Milford Haven	Sept. 1	23.9	Sept. 2	17.2	Dec. 24	0.0	Dec. 28	-6.7
Christchurch	Aug. 29	26.7	July 2, Sept. 16	17.2	Dec. 31	0.0	Dec. 28	-8.3	Haverfordwest	Aug. 29, Sept. 1, 2	24.4	Aug. 29, Sept. 2	16.7	Dec. 28	0.6	Dec. 28	-8.9
Ringwood	Aug. 29	29.4	July 2	17.8	Dec. 24, 31	-0.6	Dec. 28	-7.2	Llandrindod Wells	Sept. 2	29.4	Sept. 16	16.7	Dec. 28	-2.8	Dec. 19	-10.0
Everton (Efford)	Aug. 29	28.9	July 2	17.2	Dec. 25, 31	0.0	Dec. 28	-7.2	Llwynon	Sept. 2	27.2	Sept. 16	16.1	Dec. 24	-2.2	Dec. 28	-11.7
Southampton	July 1	30.6	July 2	19.4	Dec. 24	0.6	Dec. 28	-6.1	Mumbles	Sept. 2	24.0	Sept. 2	18.4	Dec. 28	-1.5	Dec. 28	-4.0
Leckford	July 1, Aug. 29, Sept. 1, 2	28.9	July 2	17.2	Dec. 24, 25	-1.1	Dec. 28	-8.3	Swansea	Aug. 29	26.1	Sept. 2	18.3	Dec. 24, 28	1.1	Dec. 28, 29	-5.6
Winchester	July 1	30.6	July 1	18.9	Dec. 24	-0.6	Dec. 28	-11.1	Port Talbot	Aug. 29	28.3	Sept. 2	20.6	Dec. 24	0.6	Dec. 28	-8.9
Martyr Worthy	July 1	30.0	July 2, Aug. 5	16.7	Dec. 24	-1.1	Dec. 28	-10.6	Neath	Aug. 29, Sept. 1	28.3	Aug. 29	18.9	Dec. 24	0.0	Dec. 28, 29	-8.3
Southsea	Aug. 30	26.1	July 2	19.4	Dec. 24	-0.6	Dec. 25, 26, 28, 29	-3.9	Rhoose	Aug. 29	27.6	Sept. 16	16.8	Dec. 28	-2.1	Dec. 28	-6.9
Hayling Island	Aug. 29	27.2	July 2	18.3	Dec. 24	-0.6	Dec. 28	-6.1	Cardiff	Aug. 29	29.4	Sept. 16	17.2	Dec. 24, 25	-1.1	Dec. 29	-6.1
Long Sutton	July 1	30.6	July 1	18.3	Dec. 30	-1.1	Dec. 28	-9.4	Tredeggar	July 1	27.2	July 2	16.1	Dec. 24	-3.3	Dec. 28	-10.0
Alice Holt Lodge	July 1	31.7	Aug. 5	16.1	Dec. 24, 25	-0.6	Dec. 28	-9.4	Newport	Aug. 29	28.9	Sept. 16	17.2	Dec. 28	-2.2	Dec. 29	-6.1
S. Farnborough	July 1	32.1	July 2	17.0	Dec. 28	-2.9	Dec. 31	-12.4	Usk	Aug. 29	27.8	Sept. 16	16.1	Dec. 31	-3.3	Dec. 29	-8.3
St. Catherine's Pt.	July 1, Aug. 29	25.0	Sept. 20	19.0	Dec. 23	2.0	Dec. 28	-3.0	Crumbland Plantation	Aug. 29	27.8	July 1	16.1	Dec. 31	-3.3	Dec. 29	-8.3
Ventnor Park	Aug. 29, 30	25.0	July 2	18.3	Dec. 31	0.6	Dec. 28	-2.8	8b ENGLAND, S.W. Hawkridge	Aug. 29	25.6	July 2, Sept. 2, 16	15.0	Dec. 24	-3.3	Dec. 24	-6.7
Shanklin	July 1, Aug. 30	25.0	July 2	17.8	Dec. 31	0.6	Dec. 28	-5.0	(Liscombe)	Aug. 29	29.4	Sept. 16	18.3	Dec. 24, 25, 28	-0.5	Dec. 28	-8.3
Sandown	Aug. 30	26.1	July 2	18.9	Dec. 25	1.7	Dec. 28	-4.4	Cannington	Aug. 29	29.4	Sept. 16	17.8	Dec. 18, 28	-1.1	Dec. 29	-7.2
Ryde	July 1	28.1	July 2	18.9	Dec. 24	0.6	Dec. 25	-2.8	Weston-s-Mare	Aug. 29	29.4	Sept. 16	17.8	Dec. 18, 28	-1.7	Dec. 28	-7.2
Lacock (Lackham)	Aug. 29	30.0	Sept. 16	17.2	Dec. 18	-2.2	Dec. 28	-10.0	Long Ashton	Aug. 29	29.4	Sept. 16	17.8	Dec. 24	-1.1	Dec. 28	-7.2
West Lavington	June 30	29.4	Sept. 16	16.1	Dec. 18	-2.8	Dec. 28	-11.1	Bath (City Boys' School)	Aug. 29	30.0	Sept. 16	17.2	Dec. 24	-1.1	Dec. 28, 29	-8.3
Lyneham	Aug. 29	29.5	Sept. 16	16.5	Dec. 28	-5.6	Dec. 28	-10.0	Bath	Aug. 29, Sept. 3	30.6	Sept. 16	17.8	Dec. 25	-1.1	Dec. 28	-10.0
Larkhill	June 30, Aug. 29	27.8	July 2	16.7	Dec. 31	-1.6	Dec. 28	-8.9	Portland Bill	July 1, Sept. 3	21.6	July 2	17.4	Dec. 28	2.0	Jan. 26	-3.0
Boscombe Down	Aug. 29	28.2	July 2	17.1	Dec. 28	-3.4	Dec. 28	-9.5	Weymouth	Aug. 30	26.1	July 2	17.8	Dec. 31	1.7	Dec. 28, 29	-4.4
Upavon	Aug. 29	28.5	July 2	17.3	Dec. 28	-4.1	Dec. 28, 29	-7.6	Shaftesbury	Sept. 2	27.2	July 1, 2, Sept. 16	16.1	Dec. 24	-2.2	Dec. 29	-8.9
Porton	June 30	28.3	July 2	17.4	Dec. 24	-1.2	Dec. 28	-11.3	Swanage	Aug. 30	25.0	Sept. 16	17.8	Dec. 31	1.1	Dec. 28	-5.6
7a ENGLAND, N.W. Sellafeld	Aug. 29, Sept. 2	25.6	July 12	15.0	Dec. 31	0.6	Dec. 31	-8.3	Poole	Aug. 30	27.8	July 2, Sept. 16	16.7	Dec. 24, 25	0.6	Dec. 28	-6.7
Carlisle	Aug. 29	27.7	Sept. 5	14.3	Dec. 31	-4.6	Dec. 31	-13.9	Hartland Pt.	Aug. 29	25.4	Sept. 16	17.3	Dec. 28	-0.5	Dec. 28	-5.6
Newton Rigg	Sept. 1, 2	26.7	Aug. 29	16.1	Dec. 27	-2.2	Dec. 31	-14.4	Plymouth (Mt. Batten)	Aug. 29	25.1	July 2	17.1	Dec. 28	2.3	Dec. 23	-3.8
Spadeadam	Aug. 29	25.6	Aug. 29	13.9	Dec. 29	-1.7	Dec. 31	-8.9	Plymouth (The Hoe)	Sept. 2	26.1	Sept. 1	16.7	Jan. 25, Dec. 27	2.8	Jan. 5, Feb. 20, Dec. 7, 28	-1.1
Ambleside	Sept. 1	27.8	July 12	15.0	Dec. 21	-2.2	Dec. 31	-13.3	Chivenor	Aug. 29	28.6	Sept. 19	17.6	Dec. 25	-0.1	Dec. 28	-7.4
Moor House	Aug. 29, Sept. 1	23.9	Aug. 29	13.3	Dec. 24	-4.4	Dec. 31	-15.0	Ifracombe	Aug. 29	28.9	Sept. 1, 16	18.3	Dec. 25	1.7	Dec. 28	-6.1
Barrow-in-Furness	Sept. 2	26.7	Aug. 29	17.1	Dec. 31	0.0	Dec. 31	-8.9	Totnes	July 1	28.9	July 2, Aug. 5, Sept. 16	16.7	Dec. 27, 28	2.2	Dec. 7, 8	-5.0
Squires Gate	Aug. 29	28.7	Sept. 16	17.1	Dec. 31	-3.4	Dec. 31	-9.6	Slapton	July 1	25.0	July 2	17.2	Jan. 25, Dec. 27	3.3	Dec. 28	-2.2
Urswick	Sept. 1, 2	27.2	Aug. 29	15.6	Dec. 28	-1.1	Dec. 31	-13.9	Newton Abbot	July 1	27.8	July 2	16.7	Dec. 24	1.1	Dec. 28	-5.0
Poulton-le-Fylde	Aug. 29	28.9	Aug. 29	16.1	Dec. 28, 31	-1.7	Dec. 26	-8.9	Paignton	June 25	25.6	July 2, Sept. 16	17.2	Jan. 25, Dec. 29	3.3	Dec. 28, 29	-3.3
Grizedale	Sept. 1, 2	26.7	Sept. 3	15.6	Dec. 28, 31	-1.7	Dec. 31	-13.3	Torquay	July 1, 7	25.0	July 2	17.2	Dec. 31	2.8	Dec. 28	-2.8
Speke	Aug. 29	28.2	Sept. 16	17.8	Jan. 14, 15	0.5	Dec. 28	-8.8	Teignmouth	July 1	25.0	July 2	17.8	Dec. 24, 31	2.8	Dec. 28	-3.3
Kirkham	Aug. 29	28.3	Aug. 29, Sept. 3	16.1	Dec. 20, 31	-1.7	Dec. 27, 31	-7.2	Starcross	July 1	27.2	Aug. 5	17.2	Dec. 25	0.0	Dec. 28	-5.6
Garstang	Aug. 29	27.8	Aug. 29	17.2	Dec. 31	-3.3	Dec. 31	-8.3	Exmouth	July 1	26.7	July 2, Aug. 5, Sept. 16, 19	16.1	Dec. 24, 25	0.6	Dec. 28	-6.7
Morecambe	Sept. 1	28.3	June 30, Sept. 1	15.6	Dec. 31	-2.2	Dec. 31	-6.1	Exeter	July 1	28.5	Sept. 16	17.3	Dec. 28	-2.3	Dec. 28	-7.2
Preston (Moor Pk)	Aug. 29	28.9	Aug. 29	17.2	Dec. 31	-2.2	Dec. 31	-6.1	Sidmouth	July 26	25.0	July 2	17.2	Dec. 24, 25	0.6	Dec. 28	-5.0
Bolton	Aug. 29	28.3	Sept. 3, 16	15.0	Dec. 20	-2.8	Dec. 7	-8.9	St. Mary's, Scilly	July 1	21.7	Sept. 15	17.0	Dec. 24	5.8	Dec. 31	2.2
Darwen	Sept. 2	26.7	Sept. 3	14.4	Dec. 28	-2.2	Dec. 31	-7.8	Penzance	July 1	23.9	July 11, Aug. 24, 25, 26, Sept. 15, 16	16.1	Dec. 24, 26, 27	5.6	Dec. 7, 28	-2.2
Stonyhurst	Aug. 29	27.8	Aug. 29	16.1	Dec. 31	-3.9	Dec. 31	-8.3	Guilval	July 1, Aug. 30	23.9	July 11, Sept. 15	16.1	Dec. 24, 26	5.0	Dec. 28	-2.2
Helmsford	Aug. 29, Sept. 2	26.1	Aug. 29, Sept. 2	15.6	Dec. 28	-2.2	Dec. 7	-8.3	Culdrose	July 1	25.0	Aug. 4, Sept. 15, 16	15.6	Jan. 25, Dec. 31	4.4	Dec. 28	-2.2
Burnley	Aug. 29, Sept. 2	27.2	Aug. 29	15.6	Dec. 31	-3.3	Dec. 31	-11.1	Camborne (Rosewarne)	Aug. 29	26.1	Sept. 1	16.7	Dec. 27	3.9	Dec. 28	-2.2
Nelson	Aug. 29, Sept. 2	27.8	Aug. 29, Sept. 3	15.0	Dec. 31	-3.3	Dec. 31	-9.4	Lizard	July 1	24.6	Sept. 4	15.5	Jan. 14	4.4	Dec. 31	0.0
Rochdale	Sept. 2	28.3	Sept. 3, 16	15.6	Dec. 31	-2.2	Dec. 7	-8.3	Falmouth	July 1	25.6	Aug. 5	16.1	Dec. 24	4.4	Dec. 29	-1.7
West Kirby Park	Aug. 29, Sept. 1, 2	27.8	Sept. 16	17.2	Dec. 31	-2.2	Dec. 31	-10.6	Newquay	June 30, Aug. 29	25.6	July 11, Aug. 5, 26, Sept. 2, 16	16.1	Jan. 25, Dec. 24, 25	3.3	Dec. 28	-3.9
Bidston Obs'y	Aug. 29	27.8	Sept. 2, 16	16.7	Dec. 28	-3.3	Dec. 28	-6.7	St. Mawgan	Sept. 2	26.1	Sept. 1	17.0	Dec. 28	1.8	Dec. 28	-4.6
Northwich (Winnington)	Aug. 29	30.0	July 1	17.8	Dec. 28	-3.3	Dec. 25	-8.9	St. Austell	July 1	27.2	Aug. 5, Sept. 1	16.7	Dec. 26	2.2	Dec. 29	-3.9
Manchester Airport	Aug. 29	29.5	Sept. 16	17.6	Dec. 28	-4.2	Dec. 28	-9.1	Fowey	July 1	25.6	Sept. 1	17.2	Dec. 26	3.3		

TABLE V (continued) - WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1961 AT EACH STATION

*DISTRICT AND PLACE	WARMEST				COLDEST				*DISTRICT AND PLACE	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT			DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and date		Highest Minimum and date		Lowest Maximum and date		Lowest Minimum and date			Highest Maximum and date		Highest Minimum and date		Lowest Maximum and date		Lowest Minimum and date	
	°C		°C	°C	°C	°C	°C		°C		°C	°C	°C	°C	°C	°C	
9 NORTHERN IRELAND - cont.									9 NORTHERN IRELAND - cont.								
Hillsborough	Sept. 1	22.8	July 1	14.4	Dec. 29	0.2	Dec. 31	- 8.3	Lislap Forest	May 13, Aug. 28	22.8	Aug. 29	15.6	Dec. 29	1.1	Dec. 31	- 7.8
Kilkeel	June 24	21.3	Aug. 29, Sept. 4, 19	13.9	Dec. 30	1.0	Dec. 31	- 5.6	Ely Lodge	Aug. 28	23.3	Aug. 9, 29	14.4	Dec. 29	-0.6	Dec. 31	- 8.9
Tollymore Park	June 24	22.8	Sept. 16	16.1	Dec. 31	0.6	Dec. 31	- 7.2	CHANNEL ISLES								
Belfast (Stormont)	June 24	23.9	July 1, Sept. 2	13.9	Dec. 31	-0.6	Dec. 31	- 6.7	Guernsey Airport	Sept. 2	30.6	Aug. 29, Sept. 2	18.9	Dec. 24	0.6	Dec. 24	- 2.2
Holywood	June 24, Sept. 1	21.7	Aug. 29	13.9	Dec. 24	1.1	Dec. 31	- 6.1	Alderney Airport	Aug. 29	27.8	July 1	17.8	Dec. 24	1.1	Dec. 24	- 1.7
Armagh	Sept. 1	25.0	Aug. 29	15.0	Dec. 27	0.0	Dec. 31	- 8.9	Jersey Airport	Sept. 1	30.4	Sept. 2	19.6	Dec. 24	-1.7	Dec. 24	- 3.9
Loughgall	Sept. 1	24.4	July 1	14.4	Dec. 18, 27	0.0	Dec. 31	-10.6	" St. Helier	Sept. 2	31.1	Sept. 16	19.4	Dec. 24	-1.1	Dec. 24,	- 3.3
																25	

Table VI - MONTHLY FREQUENCIES of sunshine for twenty stations: -
Number of days in each month of 1961 on which the DURATION OF SUNSHINE was: -
(i) nil (ii) 3 hrs. or less (iii) more than 3 hrs. but not more than 6 hrs.
(iv) between 6 and 9 hrs. (v) more than 9 hrs.

STATION	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE						
	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.			
Lerwick	13	18	0	0	13	10	3	2	0	7	12	11	1	0	10	5	7	3	5	6	10	8	3	10	3	7	7
Stormway	9	11	11	0	7	12	8	1	0	5	14	10	2	0	4	6	5	5	5	3	6	5	5	12	4	7	9
Craibstone	12	11	7	1	0	7	9	7	5	0	1	9	11	9	1	9	5	5	9	2	1	8	9	8	5	1	11
Rothsay	13	11	6	1	0	10	8	8	2	0	5	18	1	6	1	8	7	4	8	2	2	6	5	9	3	9	4
Renfrew	12	15	3	1	0	6	14	8	0	0	5	15	4	7	0	9	8	9	2	2	2	9	6	6	1	11	
Eskdalemuir	10	17	2	2	0	10	10	7	1	0	5	16	6	3	1	8	12	5	3	2	4	9	5	6	7	2	10
Douglas	10	12	6	3	0	14	6	5	3	0	10	8	9	3	1	9	6	7	5	3	4	5	2	2	11	4	6
Cockle Park	15	9	4	3	0	8	8	7	5	0	2	9	10	10	0	7	10	5	7	1	3	6	6	8	4	4	11
Gorleston	13	12	4	2	0	9	7	9	3	0	5	4	7	10	5	6	4	8	6	6	1	4	5	5	10	11	1
Cambridge (N.I.A.B.)	13	10	8	0	0	8	10	5	5	0	2	8	4	14	3	8	7	8	4	3	1	7	4	3	15	2	2
Birmingham	16	13	2	0	0	10	8	6	4	0	2	4	13	9	3	9	11	7	2	1	2	2	5	5	8	7	4
Kew Observatory	11	11	9	0	0	9	8	7	4	0	1	7	8	7	4	13	7	2	2	4	0	5	7	7	12	1	4
Hastings	10	10	10	1	0	6	8	10	4	0	3	5	10	6	7	4	11	6	6	3	0	3	9	4	15	1	3
Southampton	8	17	5	1	0	9	9	7	3	0	1	7	4	16	3	8	10	7	3	2	1	4	6	6	14	2	4
Stonyhurst	13	11	7	0	0	11	9	7	1	0	4	15	5	5	2	12	6	5	6	1	5	3	8	7	8	3	6
Bidston Observatory	10	16	5	0	0	6	12	7	3	0	2	9	7	10	3	5	12	4	6	3	1	5	7	3	15	1	6
Holyhead (Valley)	11	12	4	4	0	8	10	6	4	0	7	11	5	5	3	6	5	9	5	2	3	5	4	17	2	7	6
Falmouth	10	16	4	1	0	15	7	4	2	0	8	7	6	5	5	4	7	6	9	4	0	5	3	8	15	1	6
Aldergrove	13	10	7	1	0	8	11	9	0	0	4	16	5	6	0	6	11	6	4	3	4	6	5	9	7	2	10
Armagh	12	11	8	0	0	4	15	7	2	0	2	21	3	5	0	6	11	6	3	4	4	7	4	9	7	8	11

STATION	JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER								
	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.					
Lerwick	7	14	5	3	2	1	15	5	7	3	10	7	6	6	1	10	11	8	2	0	14	12	3	1	0	19	12	0	0
Stormway	9	10	6	3	3	1	14	7	6	3	6	8	7	7	2	7	13	6	5	0	11	9	8	2	0	17	10	4	0
Craibstone	5	14	8	3	1	1	10	8	7	5	5	8	8	4	5	3	14	9	5	0	6	12	6	6	0	10	14	7	0
Rothsay	5	11	6	5	4	4	12	5	4	6	7	8	8	5	2	4	17	4	6	0	5	15	7	3	0	17	6	8	0
Renfrew	4	9	7	6	5	3	12	3	5	8	4	9	8	1	3	15	8	5	0	9	16	4	1	0	18	11	2	0	
Eskdalemuir	2	17	6	2	4	3	11	4	9	4	5	12	7	5	1	6	14	6	5	0	10	12	7	1	0	12	8	8	0
Douglas	3	10	5	7	6	3	6	4	9	9	6	8	7	6	3	8	9	7	6	1	7	11	6	6	0	11	10	10	0
Cockle Park	6	10	5	6	4	1	4	13	7	6	5	8	8	1	5	14	8	3	1	9	8	9	4	0	12	10	9	0	
Gorleston	2	8	6	9	6	0	6	10	5	10	3	12	4	6	5	2	7	8	12	2	12	10	6	2	0	12	7	11	1
Cambridge (N.I.A.B.)	0	9	9	3	10	0	7	10	7	7	3	9	4	11	3	3	9	6	11	2	13	5	8	4	0	13	7	10	1
Birmingham	2	9	7	8	5	0	11	6	6	8	3	13	4	5	5	11	7	7	1	13	7	6	4	0	11	11	8	1	
Kew Observatory	0	7	9	6	9	0	10	12	2	7	4	7	8	9	2	4	8	10	9	0	13	7	8	2	0	17	4	9	1
Hastings	1	6	4	8	12	3	6	6	6	10	4	6	7	7	6	3	6	13	8	1	13	8	4	5	0	13	4	7	2
Southampton	2	5	8	7	9	1	11	5	5	9	4	10	5	7	4	3	9	5	13	1	10	12	5	3	0	13	5	11	2
Stonyhurst	1	14	8	3	5	4	6	7	9	5	3	9	9	8	1	7	9	9	6	0	8	11	10	1	0	12	11	7	1
Bidston Observatory	0	13	6	6	6	1	9	4	7	10	2	9	8	4	7	3	10	10	7	1	11	4	13	2	0	7	16	7	1
Holyhead (Valley)	1	11	6	3	10	3	6	4	9	9	4	7	7	8	4	6	9	7	7	2	7	10	11	2	0	7	13	6	5
Falmouth	1	9	4	4	13	2	9	5	6	9	2	10	8	6	4	6	11	7	7	0	11	8	6	5	0	17	9	2	3
Aldergrove	2	17	6	4	2	1	13	9	4	4	3	11	9	5	2	4	13	9	4	1	8	15	6	1	0	18	9	4	0
Armagh	4	15	7	2	3	1	16	5	4	5	4	10	8	6	2	3	12	11	5	0	9	12	7	2	0	12	14	5	0

Table VII [First published 1914] Number of Days in 1961 with Rainfall between given limits

STATION	STATION							STATION	STATION						
	0 in. 0-0.1 mm.	0.1-0.4 in. 0.2-1.0 mm.	0.5-2.0 in. 1.1-5.0 mm.	2.1-4.0 in. 5.1-10.0 mm.	4.1-6.0 in. 10.1-15.0 mm.	6.1-8.0 in. 15.1-20.0 mm.	8.1-1.00 in. 20.1-25.0 mm.		> 1.00 in. > 25.0 mm.	0 in. 0-0.1 mm.	0.1-0.4 in. 0.2-1.0 mm.	0.5-2.0 in. 1.1-5.0 mm.	2.1-4.0 in. 5.1-10.0 mm.	4.1-6.0 in. 10.1-15.0 mm.	6.1-8.0 in. 15.1-20.0 mm.

Table VIII [First published 1913] Number of Days in 1961 with MAXIMUM and MINIMUM temperatures between given limits

STATION	MAXIMUM TEMPERATURE °C										MINIMUM TEMPERATURE °C																								
	0° or less	0° to 5°	5° to 10°	10° to 15°	15° to 20°	20° to 25°	25° to 30°	Above 30°	-15° or less	-14° to -10°	-9° to -5°	-4° to 0°	0° to 5°	5° to 10°	10° to 15°	Above 15°																			
Lerwick	7	48	147	153	10	0	0	0	0	4	33	108	174	46	0	Birmingham	7	35	69	106	106	33	6	1	0	0	0	3	24	84	153	94	7		
Stornoway	3	28	112	164	57	1	0	0	0	1	5	41	81	158	69	0	Kew Observatory	1	20	70	103	104	57	8	2	0	0	0	0	0	20	76	144	101	24
Craibstone	5	49	97	122	84	3	0	0	0	0	6	49	126	148	36	0	Hastings	1	17	81	115	113	34	4	0	0	0	0	0	19	81	137	103	25	
Rothsay	8	34	108	121	99	2	0	0	0	0	1	25	107	173	59	0	Southampton	0	16	57	107	91	89	5	0	0	0	0	0	3	28	83	148	87	16
Renfrew	1	36	76	112	127	2	0	0	0	0	8	38	92	158	69	0	Stonyhurst	5	35	85	112	110	15	3	0	0	0	0	0	10	33	113	149	59	1
Eskdalemuir	11	49	101	106	90	2	0	0	1	3	12	50	115	148	36	0	Bidston Observatory	4	27	77	134	106	13	4	0	0	0	2	21	83	149	106	4		
Douglas	0	21	119	129	94	2	0	0	0	0	1	16	89	174	84	1	Holyhead (Valley)	0	17	96	123	123	4	2	0	0	0	0	21	62	167	112	3		
Cockle Park	0	46	96	102	108	13	0	0	0	4	51	113	147	50	0	0	Falmouth	0	4	60	154	133	13	1	0	0	0	0	0	0	0	0	0	0	0
Gorleston	2	18	94	109	109	26	7	0	0	0	1	11	102	134	101	16	Aldergrove	0	35	77	129	114	10	0	0	0	0	0	0	0	0	0	0	0	0
Cambridge	1	28	67	84	111	59	14	1	0	0	8	48	106	123	76	4	Armagh	1	24	62	141	122	15	0	0	0	0	0	0	0	0	0	0	0	0

TABLE IX [First Published 1914] Distribution of Winds of stated speeds at Anemograph Stations, and Maximum Speeds for the Year 1961

DISTRICT AND STATION	Distribution of Mean Hourly Values of Wind Speed									Mean Hourly Wind Speed	Highest Velocities									
	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly Wind			Highest Gust								
	No. of Days	Duration	No. of days	Duration	Duration	Duration	Duration	Duration	Veer from N.		Speed	Hour ended at		Speed	Day and Time					
	hr	hr.	hr.	hr.	hr.	hr.	hr.	hr.	°		knots	Month	Day	Hour	knots	Month	Day	hr.		
0 Lerwick	39	221	242	186	1729	4538	2019	253	0	15-9	210	64	15-9	27	18	95	January	27	1745	
Kirkwall (Grimsetter)	18	85	-	121	962	4341	2658	714	0	13-1	230	59	January	27	17	90	January	27	1640	
Downreay	16	66	-	122	907	4619	2898	62	208	13-6	(230)	50	September	16	23)	(86)	January	27	1440)	
Halkirk (Olgrinbeg)	8	21	-	79	463	3297	3857	820	302	10-7	220	50	September	16	24	79	September	16	2300	
Stornoway (Coastguard)	58	320	210	181	1629	3516	1795	1500	0	14-3	250	60	January	27	15	93	January	27	1400	
Duirinish	16	54	-	110	789	3342	3297	1132	146	11-3	200	54	September	16	20	86	September	16	1855	
Bunbecula	27	145	-	183	1800	4258	2029	528	0	15-4	300	58	December	5	14	91	December	5	1320	
1 Lossiemouth	14	44	-	104	644	2680	3073	2016	303	9-8	220	60	February	26	21	89	February	26	2045	
Dyce	4	9	7	42	146	2264	3610	2731	0	7-5	220	40	September	16	21	60	September	16	2015	
Bell Rock Lighthouse	48	257	305	226	1998	4244	1750	511	0	16-3	150	52	October	24	10	73	October	23	0005	
Rannoch	9	29	-	87	476	3200	3142	1465	448	10-1	200	60	September	16	19	92	September	16	1900	
Edinburgh	4	13	-	56	267	2907	3645	1288	0	8-9	180	38	October	23	06	66	January	27	1140	
6a Tisee	49	297	100	207	2227	4202	1299	735	0	16-7	180	65	September	16	17	101	February	26	1750	
Millport	7	22	35	91	454	3312	2959	1796	217	10-3	260	43	October	23	06	66	January	27	1055	
Paisley	1	2	-	12	40	1293	4579	2646	0	6-0	170	35	January	27	09	70	January	27	0725	
Renfrew	3	11	5	42	167	2703	4204	1675	0	8-4	200	45	January	27	12	78	January	27	1120	
Prestwick Airport	2	7	11	46	212	3377	4003	1161	0	9-7	250	37	October	23	06	64	October	23	0450	
Eskdalemuir	3	14	27	46	191	2184	3333	3013	25	7-3	200	43	September	16	15	69	September	16	1350	
6b Point of Ayre	14	46	59	131	988	4201	2874	559	92	13-0	300	42	July	4	02	66	January	29	1435	
2 South Shields	2	8	12	50	252	2828	4394	1278	0	9-2	350	37	October	18	12	58	October	18	1335	
Cranwell	4	6	3	62	404	2834	4021	1421	74	9-5	210	37	January	29	10	65	February	6	1100	
3 Mildenhall	1	1	4	25	145	2307	4542	1765	0	8-0	250	35	February	6	12	59	February	6	1135	
Cardington	14	86	17	107	800	3612	3337	925	0	11-7	240	45	December	11	05	66	December	5	0055	
Rothamsted	0	0	-	4	5	1108	5584	2063	0	6-2	250	22	November	30	13	51	January	31	2245	
Coryton	0	0	-	15	78	2157	5353	1079	93	8-1	(230)	29	February	6	12)	53	December	5	0045	
Shoeburyness	11	38	25	87	634	3508	3287	826	467	11-4	(330)	43	October	19	02)	(63)	December	5	0125)	
4 Sheffield	0	0	-	8	19	1324	4617	2800	0	6-0	240	26	December	11	13	59	December	11	1235	
Birmingham	0	0	0-8	13	37	2063	6028	632	0	8-3	270	27	January	31	23	54	January	31	2220	
Keele	0	0	0-2	13	33	1723	4747	2257	0	7-0	190	29	September	16	10	54	January	29	1520	
5 Kingsway	0	0	0	10	36	2111	5607	1006	0	8-2	240	26	February	6	12	55	February	6	1000	
London Airport	0	0	-	32	152	2378	4580	1645	5	8-2	250	33	February	6	11	55	December	5	0120	
Hampton	0	0	0	22	100	2070	4795	1795	0	7-5	250	32	February	6	11	62	December	5	0650	
Kew Observatory	0	0	0	13	51	1959	4864	1886	0	7-4	240	27	February	6	11	51	January	31	1755	
Gatwick	1	1	-	36	149	2060	3880	2670	0	7-0	240	35	December	5	07	64	December	5	0105	
Isle of Grain	0	0	-	14	64	1449	3127	3989	131	5-4	(240)	31	February	6	11)	(52)	December	5	0430)	
Dover	4	14	15	67	486	3270	3459	1400	131	10-1	(190)	36	January	5	23	64	December	5	0940	
Thorney Island	0	0	0-8	15	60	1687	3645	3368	0	6-2	230	28	November	13	17	64	December	5	0940	
Calshot	0	0	-	29	127	3610	4319	551	153	10-2	210	33	December	5	04	52	December	5	0330	
S. Farnborough	0	0	5	11	52	1172	3966	3570	0	5-6	250	31	February	6	09	55	February	6	0925	
Abingdon	0	0	0-1	33	157	2195	3285	3123	0	7-0	(250)	30	February	6	11	63	December	4	2300	
Larkhill	0	0	4	33	162	2007	4803	1788	0	7-8	250	33	January	31	22)	(50)	January	31	2120)	
Porton	1	1	-	29	118	1960	3821	2860	0	7-0	220	34	February	6	10	57	February	6	0930	
7a Sellafeld	9	30	10	93	575	3978	3437	576	164	11-8	-	44	October	23	01	63	October	23	0115	
Spadeadam	8	23	-	69	390	3423	3604	1294	26	10-2	190	44	January	27	12	70	January	29	1320	
Southport	16	45	-	96	740	3021	3572	1351	31	10-8	270	42	February	6	24	60	February	6	2330	
Speke	14	41	21	112	642	4276	3353	446	0	12-2	230	45	January	29	14	79	October	22	2055	
Manchester Airport	1	2	10	39	186	2995	4530	1047	0	9-2	240	34	January	29	17	59	January	31	2320	
7b Holyhead (Valley)	17	80	65	119	891	3318	2641	1830	0	11-2	220	51	October	22	23	72	October	22	2245	
8a Aberporth	21	87	26	144	1158	4290	2645	580	0	13-5	(290)	45	January	31	20	69	January	31	1725	
Port Talbot	3	5	13	88	481	3988	2961	1302	23	10-9	(330)	39	October	18	08	63	October	18	0540	
Rhoose	0	0	-	34	165	3026	4772	797	0	9-7	260	32	January	31	20	63	January	31	1930	
8b Plymouth	12	36	44	90	530	3328	3670	1196	0	10-4	(-)	40	October	22	19)	(56)	January	31	1845	
St. Mary's, Scilly	26	122	133	131	1142	4018	2659	811	8	13-3	220	46	December	5	03	68	April	25	0655)	
The Lizard	41	259	188	164	1605	3778	2203	596	319	14-8	240	50	December	5	05	76	December	5	0310)	
Ballykelly	5	16	-	66	345	2861	3275	2263	0	8-8	190	51	September	16	14	92	February	2	0540)	
Aldergrove	6	27	4	84	481	3632	3527	893	0	11-0	190	49	September	16	15	76	September	16	1545	
Nutts Corner	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	September	16	1345
Jersey Airport	13	63	-	111	916															

TABLE X [First Published 1934]—Number of Hours in each Month of 1961 with Gusts Exceeding (a) 33 kt. and (b) 47 kt.

District and Station	Number of Hours exceeding 33 kt.													Number of Hours exceeding 47 kt.													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	
0 Lerwick	204	175	349	65	56	148	34	40	56	274	154	228	1783	49	36	90	0	1	17	0	1	12	65	14	78	363	
Kirkwall	162	120	268	33	28	91	19	11	29	162	74	59	1056	38	17	48	1	0	12	0	0	11	35	9	12	183	
Dounreay	67	74	159	58	11	48	43	(6)	50	173	72	114	*	13	7	22	2	0	0	0	16	47	16	14	138		
Halkirk	29	29	102	2	2	73	(40)	22	45	(97)	41	(40)	*	4	2	3	0	0	5	0	0	(21)	2	(4)	*		
Stornoway	130	263	273	7	29	70	6	118	124	246	87	105	1458	48	66	40	0	0	5	1	28	15	52	4	27	286	
Duirinish	59	160	140	0	34	(38)	(16)	63	63	125	99	45	145	15	20	9	0	0	1	2	3	14	45	5	5	119	
Benbecula	167	275	239	53	74	211	67	140	137	257	156	143	1919	40	29	20	0	4	8	7	23	32	80	12	28	283	
1 Lossiemouth	55	64	163	(9)	17	(70)	27	(34)	43	127	48	(40)	*	13	12	14	0	0	(2)	1	0	12	19	1	12	*	
Dyce	20	18	39	0	0	9	10	1	15	43	7	6	168	1	2	6	0	0	0	0	0	17	70	6	14	171	
Bell Rock	177	115	118	39	30	57	44	34	86	191	127	99	1117	27	17	15	0	1	7	13	3	(15)	(36)	3	4	*	
Rannoch	27	(49)	(49)	1	24	89	(68)	(63)	(32)	(104)	35	(32)	*	9	6	2	0	3	1	1	2	12	12	0	0	1	
Leuchars	1	1	75	8	20	38	25	18	32	71	9	9	1	1	1	4	0	4	1	4	1	2	12	10	2	1	75
Edinburgh	75	129	103	3	39	42	41	48	34	106	30	12	662	13	13	10	0	1	4	1	4	5	21	79	17	34	347
6a Three	287	311	226	59	90	86	86	138	154	300	187	182	2086	102	40	23	1	14	1	12	3	21	79	17	34	347	
Millport	71	(49)	51	2	24	11	19	19	45	(80)	(43)	59	*	16	6	2	0	2	0	0	0	10	(9)	0	0	2	34
Paisley	34	56	20	0	22	42	18	8	17	42	12	11	282	13	4	1	0	1	0	2	0	7	4	0	2	42	
Renfrew	34	49	49	0	22	24	23	17	21	71	21	20	351	14	3	2	0	1	1	0	0	9	10	1	4	38	
Prestwick	55	47	14	0	15	3	25	9	24	65	38	22	317	9	5	0	0	0	0	0	0	9	10	1	4	38	
Eskdalemuir	35	100	(50)	1	30	27	52	55	46	101	48	38	*	7	11	3	0	6	2	6	3	13	13	0	3	67	
Point of Ayre	116	87	(51)	13	37	0	50	69	58	161	83	127	*	14	14	0	0	0	0	5	0	8	28	2	13	84	
2 Durham	*	*	*	*	27	17	43	27	25	110	27	34	*	*	*	*	*	12	0	2	1	9	13	0	2	19	
South Shields	45	27	49	0	15	4	18	9	9	57	6	19	258	5	1	1	0	3	0	0	0	9	0	0	0	19	
Cranwell	55	112	65	3	37	6	34	38	24	55	46	46	521	8	14	1	0	7	0	0	3	0	0	1	6	40	
3 Gorleston	(33)	34	7	1	3	(1)	7	*	*	*	*	*	*	(1)	1	0	0	0	0	0	0	*	*	*	*	*	
Mildenhall	52	65	23	2	26	0	8	25	13	58	34	34	340	7	8	0	0	0	0	0	4	0	0	2	4	24	
Felixstowe	57	71	44	0	31	0	27	32	1	68	1	7	†	2	9	0	0	0	0	0	3	†	†	†	†	†	
Cardington	(65)	125	80	28	69	8	52	93	43	135	112	80	†	(19)	12	3	1	5	0	1	8	1	36	25	32	†	
Rothamsted	29	50	4	0	4	0	4	11	5	29	29	34	199	1	0	0	0	0	0	0	0	0	0	0	0	1	
Stanstead Abbots	4	26	(0)	0	*	0	3	0	1	(0)	10	23	*	0	1	0	0	*	0	0	0	0	0	0	0	5	
Coryton	38	45	12	(4)	15	0	15	11	7	48	(46)	54	*	1	2	0	0	0	0	0	3	0	4	0	5	15	
Shoeburyness	(56)	70	23	5	26	*	(46)	30	100	87	100	100	*	11	3	0	0	0	*	*	6	0	26	13	19	†	
4 Sheffield	44	53	31	3	23	1	12	10	19	36	13	39	284	2	1	0	0	1	0	2	0	1	0	7	4	14	
Birmingham	33	35	11	1	2	0	10	6	9	40	21	22	190	2	0	0	0	0	0	0	0	0	0	0	0	0	
Keele	36	48	23	7	19	1	16	17	22	42	28	38	297	8	2	0	0	0	0	1	0	4	3	0	0	18	
Avonmouth	51	(51)	(10)	(12)	27	5	28	(19)	(16)	(68)	(65)	(46)	*	9	7	0	0	0	0	0	(0)	0	2	0	(12)	*	
5 Kingsway	33	58	4	3	13	0	7	7	3	31	25	43	227	3	4	0	0	0	0	0	1	0	0	1	1	10	
London Airport	29	41	2	3	5	1	9	9	3	18	24	28	172	0	2	0	0	0	0	0	0	0	0	0	0	3	
Hampton	33	54	6	2	15	0	12	17	9	36	43	44	271	4	3	0	0	0	0	0	2	0	1	1	6	17	
Kew	30	34	7	11	23	3	17	20	14	38	49	48	294	1	1	0	0	0	0	0	1	0	1	0	2	24	
Gatwick	41	25	5	5	17	0	10	18	12	36	43	42	254	5	1	0	0	0	0	0	2	4	0	1	0	15	
Isle of Grain	(19)	28	0	1	6	0	6	7	1	(20)	17	(26)	*	(1)	1	0	0	0	0	0	1	0	0	0	(3)	*	
Dover	(134)	78	11	4	43	4	49	71	36	156	127	97	*	11	5	1	0	0	0	5	9	0	27	19	8	85	
Thorney Island	36	25	1	0	3	0	13	11	3	32	45	49	218	1	0	0	0	0	0	0	0	0	0	0	0	5	
Calshot	(43)	34	0	0	0	0	1	0	0	2	1	7	*	2	3	0	0	0	0	0	0	0	0	0	0	5	
Southampton	33	49	3	†	†	†	†	†	†	†	†	†	†	1	1	0	†	†	†	†	†	†	†	†	†	†	
S. Farnborough	26	24	2	1	3	0	4	8	3	21	27	35	154	2	1	0	0	0	0	0	1	0	0	0	6	10	
Abingdon	37	(80)	24	10	23	0	16	23	25	54	52	39	*	2	2	0	0	0	0	0	1	0	0	0	1	6	
Larkhill	48	79	15	8	16	0	15	13	14	50	69	(46)	*	10	3	0	0	0	0	0	2	0	1	2	9	27	
Porton	34	45	4	2	5	0	9	13	10	31	39	31	223	4	1	0	0	0	0	0	1	0	0	0	3	9	
7a Sellafeld	84	40	(21)	19	20	0	29	19	45	124	58	29	*	8	11	0	0	0	0	0	7	0	20	0	1	47	
Spadeadam	67	(80)	81	0	(35)	25	(32)	41	35	110	58	37	*	17	11	1	0	1	0	2	0	12	21	1	0	66	
Moor House	(99)	180	(167)	31	57	46	85	119	80	173	90	(35)	*	15	14	6	0	6	5	22	6	19	36	4	(1)	*	
Southport	30	71	72	5	41	4	69	72	31	107	61	50	613	2	15	1	0	0	0	5	2	2	11	2	11	51	
Speke	71	114	77	23	46	9	84	74	35	109	59	63	764	15	20	2	0	2	0	7	4	8	9	1	12	80	
Bidston	128	(138)	121	†	53	10	(86)	(108)	31	134	70	76	†	19	(20)	5	†	(7)	0	(10)	10	3	(14)	6	23	†	
Manchester A/P	58	65	38	5	14	0	5	5	23	22	9	25	269	6	6	0	0	1	0	0	1	1	0	1	0	1	17
8a Valley	85	83	24	8	9	9	35	33	93	166	68	55	668	18	13	0	0	0	0	0	13	38	0	3	85	*	
Aberporth	(194)	207	88	50	64	17	66	143	116	190	161	158	*	(44)	27	2	1	2	6	2	16	56	24	29	†		
Millford Haven	(73)	(86)	4	7	24	2	†	22	(40)	(109)	61	74	†	7	(3)	0	2	0	0	†	0	2	(16)	4	17	†	
Port Talbot	64	32	3	13	30	5	35	60	22	92	70	127	553	10	3	0	3	0	0	1	0	0	3	10	0	40	
Rhoose	27	27	0	0	0	0	9	9	1	31	32	34	170	2	0	0	0	0	0	0	0	0	0	0	0	2	
8b Plymouth	(67)	(35)	0	15	4	2	12	5	25	(72)	(40)	(62)	*	(3)	(2)	0	4	0	0	0	0	4	2	(13)	0	2	
Scilly	197	134	1	27	19	5	46	19	(78)	206	166	225	*	21	36	0	3	0	0	9	3	7	53	41	59	232	
Lizard	280	168	9	42	49	40	(54)	32	61	215	180	(259)	*	39	45	0	3	0	0	11	4	5	36	11	64	218	
Ballykelly	96	105	74	21	44	19	54	61	42	119	32	72	739	13	15	1	0	6	0	1	0	9	19				

OCCASIONS OF "STRONG GALES" in 1961
 TABLE XI (continued)—Occasions on which the Maximum Hourly Mean Wind was 41 knots or more.

District and Station	Date	Maximum Hourly Mean wind of 41 Knots or more			Maximum Speed in a gust during the day			Hours for which mean speed exceeded 33 Knots on date in second column	District and Station	Date	Maximum Hourly Mean wind of 41 Knots or more			Maximum Speed in a gust during the day			Hours for which mean speed exceeded 33 Knots on date in second column
		Hour ended at	Direction	Speed	Time	Direction	Speed				Hour ended at	Direction	Speed	Time	Direction	Speed	
1 Bell Rock (cont.)	Mar. 12	02	270	41	0050	280	51	01-03, 07-10	Moor House	Jan. 12	11	240	44	1045	240	56	10-12
	Mar. 26	13	300	41	1050	300	54	01-03, 08, 09, 11-15		July 26	09	250	41	0905	250	59	07-12, 16, 18, 20-22
	Sept. 16	16	190	48	1510	190	70	11, 13-24	Southport	Oct. 23	05	230	41	0445	230	58	03-06
	Oct. 18	15	360	43	1200	360	59	02, 08-24		Feb. 6	24	270	42	2330	270	60	21-24
	Oct. 22	24	130	50	2350	130	67	21-24		Feb. 7	01	260	41	0050	260	58	01-07
	Oct. 23	04	160	49	0005	140	73	01-13, 15	Speke	Jan. 29	14	230	45	1400	230	66	10-17
	Oct. 24	10	150	52	0930	150	65	06-11, 14-24		Sept. 16	12	210	42	1105	210	60	10-15
	Oct. 25	15	220	41	1425	220	57	01, 02, 07-09, 12-18	7b Bidston	Feb. 7	02	270	41	0100	270	69	01-03
	Dec. 2	18	260	42	1715	260	51	14-19	7b Valley	Jan. 29	14	230	41	1300	230	57	07-15
	Dec. 5	21	280	45	1525	270	63	08, 11, 15-18, 21-23		Feb. 26	12	180	41	1115	170	58	12-16
Rannoch	Jan. 27	13	—	46	1140	—	83	12-14		Sept. 16	11	220	43	1020	220	64	08-18
	Feb. 26	19	—	42	1805	—	66	18-20		Oct. 22	23	220	51	2245	220	72	18-24
	Sept. 16	19	200	60	1900	210	92	12-22		Oct. 23	01	230	42	0010	230	58	04-08
	Oct. 24	13	210	44	1215	210	79	11-17		Oct. 24	06	170	41	0500	170	56	04-10
6a T'ree	Jan. 18	19	140	41	1750	140	57	01-21	8a Aberporth	Jan. 31	20	290	45	1725	250	69	18-22
	Jan. 26	15	150	50	1315	150	67	01-24		Oct. 18	06	330	45	0540	330	69	01-22
	Jan. 27	12	260	54	1130	260	86	04-18	8b Milford Haven	Jan. 31	18	290	42	1730	290	62	17-20
	Feb. 26	19	270	56	1750	270	101	14-20		Feb. 2	20	260	43	0540	300	68	05, 07, 09-24
	July 3	21	320	42	2125	330	59	17-24		Dec. 5	03	220	46	0310	220	66	01-07
	Sept. 16	17	180	65	1645	180	90	12-22	Lizard	Jan. 5	18	240	42	1815	270	62	16-19
	Oct. 17	19	330	42	1835	330	62	11-13, 15-24		Jan. 28	13	290	45	1205	290	62	12-16, 22
	Oct. 18	02	350	42	0010	340	63	01-13, 15, 17, 22		Jan. 29	10	240	43	1105	240	56	01, 05-16, 23, 24
	Oct. 23	06	290	42	0505	290	67	06-08		Feb. 2	20	260	46	1525	290	66	05-09, 11-24
	Oct. 24	09	190	52	1030	210	77	02, 04-21		Feb. 6	23	280	43	1845	270	60	04-09, 14-24
Millport Renfrew	Dec. 5	19	320	47	1830	320	75	01-07, 10-20		Apr. 25	05	120	41	0445	120	54	04-07
	Oct. 23	06	260	43	0535	260	58	06, 07		Aug. 8	04	300	41	0235	300	63	03-05
	Jan. 27	12	200	45	1120	190	78	10-12		Oct. 7	04	280	44	0310	280	63	01-07
	Sept. 16	17	200	42	1630	200	67	14-20		Oct. 22	19	210	42	1840	210	59	17-19
6b Point of Ayre	Sept. 16	15	200	43	1350	200	69	12-19		Nov. 30	10	250	42	1100	250	54	06-18, 22
	July 4	02	300	42	0110	300	59	01-03		Dec. 4	22	240	41	2050	230	59	20-24
	Aug. 8	12	240	43	1315	240	63	11-17		Dec. 5	05	240	50	0400	240	76	01-08
	Nov. 30	13	230	44	1140	230	60	07-20		Dec. 24	05	090	41	2105	090	58	01-23
3 Cardington	Dec. 5	01	210	42	0055	210	66	01-09, 11-15	- Ballykelly	Feb. 26	16	220	44	1535	220	75	15-17
	Dec. 11	05	240	45	0430	240	64	01, 02, 04-15		Sept. 16	14	190	51	1525	200	92	12-18
	Dec. 5	01	220	43	0125	220	63	01-10		Oct. 23	02	250	41	0145	250	65	02-04
	Jan. 31	21	190	41	1940	170	57	05, 20-22	Aldergrove	Sept. 16	15	190	49	1545	200	76	11-19
4 Avonmouth	Oct. 22	24	—	44	2320	—	63	20-24		Oct. 23	02	230	42	0105	230	68	01-03
	Oct. 23	01	—	44	0115	—	63	01-06	- Jersey	Jan. 28	14	260	51	1355	270	72	13-17
	Jan. 27	12	190	44	1045	190	61	10-13		Feb. 2	09	270	41	1335	290	74	08-12, 14, 16, 18-24
	Jan. 29	13	220	42	1320	230	70	11-15, 18		July 13	05	290	45	0445	290	62	03-09
7a Sellafeld	Jan. 29	13	220	42	1320	230	70	11-15, 18		Aug. 8	05	260	41	0435	270	61	05-07
	Sept. 16	16	210	43	1505	210	62	15-17, 20		Dec. 5	08	240	45	0730	250	64	03-11

TABLE XII. [First Published 1908]—Dates on which Gusts of 48 Knots or more occurred in 1961.

For an anemograph 33 ft. above ground in the open the limit corresponds with that of Force 10 (Whole Gale) on the Beaufort Scale. Up to 1916 fuller details were given in this table. 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 Lerwick	Jan. 2, 11, 12, 19, 26-28, 30. Feb. 8, 10, 20, 26, 27. Mar. 3, 4, 9-12, 15, 16, 18, 20, 22, 25-27. May 23. June 17, 18, 23, 24. Aug. 27. Sept. 16, 17. Oct. 11, 12, 15, 18-25, 30, 31. Nov. 2, 23, 24. Dec. 2, 3, 5, 10, 11, 13-15, 27, 31.	4 Sheffield	Jan. 5, 29, 31. Feb. 6. Aug. 8. Oct. 17-19, 22-24. Nov. 13. Dec. 4, 5, 11, 30.
Kirkwall	Jan. 3, 18, 19, 26, 27, 30. Feb. 8-10, 20, 26, 27. Mar. 12, 15, 18, 20, 23, 25-27. Apr. 13. June 18, 23. Sept. 15-17, 19. Oct. 11, 18, 23, 24, 30, 31. Nov. 2, 3, 23, 24. Dec. 2, 5.	4 Birmingham	Jan. 29, Feb. 1. May 8. July 4. Oct. 22. Dec. 5, 11.
Dounreay	Jan. 26, 27. Feb. 9, 10, 26-28. Mar. 15, 17, 18, 20, 26, 27. Apr. 19, 20. June 18. Sept. 15-17, 19. Oct. 16-18, 22-24, 30, 31. Nov. 2, 3. Dec. 2, 3, 5, 6.	5 Keele	Jan. 27, 29, 31. Feb. 6, 26. July 4. Sept. 16, 28. Oct. 17, 22.
Halkirk	Jan. 27. Feb. 10, 26. Mar. 26. June 18, 23. Sept. 16, 17. Oct. 17, 18, 23, 24. Nov. 3. Dec. 2, 5.	5 Avonmouth	Jan. 27, 31. Feb. 6, 26. Oct. 22. Dec. 4, 5, 11, 23.
Stornoway	Jan. 11, 18, 25-28. Feb. 8-10, 13, 14, 16, 17, 19, 20, 22, 26-28. Mar. 1-3, 5, 8, 9, 12, 15, 16, 25, 26. June 16, 18. July 3. Aug. 25-27, 29. Sept. 15-17, 22, 29. Oct. 10-11, 14-17, 23-25, 30, 31. Nov. 1, 3, 23, 28. Dec. 2, 4, 5, 14, 15, 27, 31.	5 Kingsway	Jan. 29, 31. Feb. 6. Aug. 8. Nov. 30. Dec. 5.
Duirinish	Jan. 11, 26-28. Feb. 8-11, 13, 20, 25-28. Mar. 3, 25, 26. June 16. July 3. Aug. 29. Sept. 15-17. Oct. 10, 11, 16-18, 23-25, 30. Nov. 1, 3, 23, 28, 29. Dec. 2, 5.	5 London Airport	Feb. 6. Dec. 5.
Benbecula	Jan. 18, 24, 26-28. Feb. 9-11, 19, 20, 23, 26-28. Mar. 3, 12, 17, 26. May 6, 7. June 16, 18. July 3. Aug. 26, 27, 29. Sept. 12, 14-16, 27, 29. Oct. 10, 11, 16-18, 23-25, 30. Nov. 1, 23-25, 28, 29. Dec. 2, 5, 15.	Hampton	Jan. 29, 31. Feb. 6, 7. Aug. 8. Oct. 17. Nov. 13. Dec. 5, 11.
1 Lossiemouth	Jan. 26, 27, 29. Feb. 10, 20, 26. Mar. 15, 20, 25, 26. June 18. July 4. Sept. 16, 17. Oct. 18, 24, 30, 31. Nov. 3. Dec. 2, 5.	Kew	Jan. 31. Feb. 6. Aug. 8. Oct. 18. Dec. 5.
Dyce	Jan. 27. Feb. 26. Mar. 20, 26. Sept. 16. Oct. 23, 24. Dec. 5.	Watwick	Jan. 5, 28, 29. Feb. 6. Aug. 8. Oct. 22. Dec. 4, 5, 11.
Bell Rock	Jan. 3, 16, 19, 27, 29. Feb. 10, 25-27. Mar. 12, 20, 26. July 4, 26. Sept. 15-17, 25. Oct. 11, 17-20, 22-25, 30. Nov. 2, 3, 23, 29. Dec. 2, 5, 6.	Isle of Grain	Jan. 5. Feb. 6. Aug. 8. Dec. 5.
Rannoch	Jan. 27. Feb. 9, 26. Mar. 26. May 8. June 18, 28. July 3, 25, 26. Aug. 25-27. Sept. 15, 16, 19. Oct. 10, 11, 18, 22, 23, 30, 31. Nov. 1, 2. Dec. 5, 13, 14.	Dover	Jan. 2, 3, 5, 28, 29. Feb. 6. Mar. 30. July 4, 14. Aug. 8. Oct. 18, 19, 23, 27, 28. Nov. 13, 14, 27. Dec. 5, 30.
Leuchars	Record from new electrical anemograph commenced 1.3.61. Mar. 11, 12, 26. May 8. June 18. July 4. Aug. 27. Sept. 16. Oct. 22-25.	Thorney Island	Jan. 28. Dec. 5.
Eginburgh	Jan. 12, 27, 29, 31. Feb. 5, 8-10, 25, 26. Mar. 12, 25, 26. May 8. June 18. July 4, 26. Aug. 27. Sept. 15, 16. Oct. 23, 25. Nov. 1, 29. Dec. 5.	Calshot	Jan. 5, 28. Feb. 6. July 13.
6a T'ree	Jan. 7, 11, 17, 18, 24-29, 31. Feb. 6-11, 17, 24-28. Mar. 2, 3, 17, 18, 20, 26, 27. Apr. 20. May 6-8. June 18. July 3, 4, 26. Aug. 26, 29. Sept. 12, 14-16, 29. Oct. 2, 10, 11, 16-18, 22-25, 30. Nov. 1-3, 7, 23, 28, 29. Dec. 2, 5, 8, 14, 15.	Southampton	Jan. 28. Feb. 6. Record ceased 31.3.61.
	Jan. 24, 27, 29, 30. Feb. 25, 26. Mar. 12, 26. May 8. Sept. 16. Oct. 22-24. Nov. 29. Dec. 4, 5.	S. Farnborough	Jan. 28, 31. Feb. 6. Aug. 8. Dec. 4, 5.
	Jan. 27, 29. Feb. 26. Mar. 26. May 8. July 3, 26. Sept. 16. Oct. 23. Dec. 5.	Abingdon	Jan. 29, 31. Feb. 6, 7. Aug. 8. Dec. 11.
	Jan. 27, 29. Feb. 26. Mar. 26. May 8. June 18. Sept. 16. Oct. 22-24. Dec. 5.	Larkhill	Jan. 5, 28, 29, 31. Feb. 6, 25. Aug. 8. Oct. 22. Nov. 13. Dec. 4, 5, 11.
7a Sellafeld	Jan. 27, 29. Feb. 7, 9, 11, 26. Mar. 26. May 8. June 18. July 3, 4, 26. Aug. 26, 29. Sept. 12, 14-16, 29. Oct. 2, 10, 11, 16-18, 22-25, 30. Nov. 1-3, 7, 23, 28, 29. Dec. 2, 5, 8, 14, 15.	Porton	Jan. 28, 29, 31. Feb. 6. Aug. 8. Dec. 4, 5.
	Jan. 24, 27, 29, 30. Feb. 25, 26. Mar. 12, 26. May 8. Sept. 16. Oct. 22-24. Nov. 29. Dec. 4, 5.	7a Sellafeld	Jan. 27, 29. Feb. 6, 7, 26. Sept. 16. Oct. 18, 22-25. Dec. 5.
	Jan. 27, 29. Feb. 26. Mar. 26. May 8. July 3, 26. Sept. 16. Oct. 23. Dec. 5.	Spadeadam	Jan. 27, 29. Feb. 6, 26. Mar. 12. May 6. July 26. Sept. 15, 16, 28. Oct. 18, 22-25. Nov. 1.
	Jan. 27, 29. Feb. 6, 7, 11, 26. July 3, 4, 13. Sept. 15, 16. Oct. 17, 18, 22-25. Nov. 1, 2. Dec. 5, 11.	Moor House	Jan. 12, 27, 29. Feb. 6, 7, 9-11, 13, 14, 26. Mar. 2, 3, 15, 26. May 8. June 16. July 3, 26. Aug. 4, 8, 27. Sept. 15, 16, 28. Oct. 9, 10, 17, 18, 22-25, 30, 31. Nov. 1, 2, 13. Dec. 5.
2 Durham	Jan. 27, 29. Defective Record, Feb.-Apr. May 8. July 3, 4. Aug. 8. Sept. 15, 16, 28. Oct. 18, 22, 25. Dec. 5.	Southport	Jan. 29, 31. Feb. 6, 7, 9, 26. Mar. 17. July 3, 4, 26. Aug. 4, 8. Sept. 16, 28. Oct. 17, 18, 23, 25. Nov. 2, 29. Dec. 2, 5, 11.
	Jan. 4, 29. Feb. 7. Mar. 12. May 8. Oct. 18, 19.	Speke	Jan. 27, 29, 31. Feb. 6, 7, 9, 26. Mar. 2, 30. May 8. July 3, 4, 13. Aug. 3, 8, 18. Sept. 15, 16, 28. Oct. 17, 18, 22, 25. Nov. 1. Dec. 5, 11.
	Jan. 29, 31. Feb. 1, 4, 6, 7, 11, 26. Mar. 2. May 8. Aug. 8. Nov. 30. Dec. 5, 11.	Bidston	Jan. 6, 27, 29, 31. Feb. 1, 4, 6-9, 11, 26. Mar. 2, 12, 30. Apr. 5 (incomplete record). May 7, 8. July 3, 13, 14, 26. Aug. 8, 18, 19, 21, 22. Sept. 16, 28. Oct. 17, 18, 22, 25. Nov. 2, 30. Dec. 5, 11.
	Jan. 27, Feb. 6. Defective Record, Aug.-Dec.	7b Valley	Jan. 27, 29, 31. Feb. 7, 26. May 8. Aug. 8. Sept. 28. Oct. 22. Dec. 5.
3			

TABLE XIII — SOLAR RADIATION AND INTENSITY OF DAYLIGHT FOR THE YEAR 1961

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE mw. hr. cm ²						DIFFUSE RADIATION ON A HORIZONTAL SURFACE mw. hr. cm ²						INTEGRATED ILLUMINATION OF A HORIZONTAL SURFACE kilo lux-hours					
	Absolute Max.	Date	Absolute Min.	Date	Daily Mean	No. of Days	Absolute Max.	Date	Absolute Min.	Date	Daily Mean	No. of Days	Absolute Max.	Date	Absolute Min.	Date	Daily Mean	No. of days
Lerwick	783	7th June	0	11, 13 Dec.	202.3	365	371	8th June	0	11, 13 Dec.	133.3	365	764	7th June	0	13th Dec.	211.4	356
Eskdalemuir	761	29th June	6	13th Dec.	210.9	365	395	30th June	6	13th Dec.	138.5	350	718	29th June	6	13th Dec.	210.9	352
Cambridge	846	31st May	8	21, 31 Dec.	267.8	365	436	4th June	8	21, 31 Dec.	153.3	365	—	—	—	—	—	—
Kingsway	784	25th June	5	1st Dec.	247.9	362	412	22nd July	3	1st Dec.	156.5	352	997	25th June	9	25th Jan. 1st Dec.	274.8	356
Kew	783	25th June	6	21st Dec.	247.3	365	383	29th May	6	21st Dec.	141.5	365	827	25th June	7	21st Dec.	246.2	334
Aberporth	898	9th June	4	30th Dec.	307.1	365	466	18th July	4	30th Dec.	167.7	365	—	—	—	—	—	—

Explanatory notes on the tables are given in the Introduction.

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