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THE MONTHLY WEATHER REPORT 1959

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THE MONTHLY WEATHER REPORT, 1959

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INTRODUCTION

The Monthly Weather Report gives a resumé 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 2,000 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, but it is sometimes passed on occasions when the precipitation is only dew.

Weather.—The numbers of days of Precipitation, Snow or Sleet, Hail, 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' includes soft hail and small hail, '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 32° F. 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 30° F. or less.

Sunshine.—The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°.

S. 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 32° F. 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 ten 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-Gorczynski 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 April 19 to October 4 ; 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 interpolate 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—(52·4).

Sea Temperature

The mean temperature of the seas round the British Isles for the months of the year 1959 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 1959

Some additional records for 1959 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., 6h., 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, Harrow, 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. Only changes to that list are published this year, see p. x. 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, 1959

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: E*1, *Earth Temperature at* 1 *foot: E*4, *Earth Temperature at* 4 *feet: S, Sunshine*

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

District 1. Nairn. Difference from average number of rain-days not used in the Annual Summary 1959.

6. Kilmarnock. 4 ft. earth temperature values not available for May 1959.
Rothesay. Rainfall values not available for January and February 1959; air temperature values not available for January to June 1959.

3. Earls Colne. Earth temperature values not available for February 1959.

5. Margate. 1 ft. earth temperature values not used for January to June 1959.

7. Burnley. Earth temperature values not used for October to December 1959.
Keswick. Not available from May to December 1959.

Means of these elements for the above stations with incomplete records are not used in the Annual Summary for the Year 1959.

Monthly Weather Report—Corrections to Text

August 1957. Mean temperature, Scotland; difference from average, −0·2°F.

January 1958. Extreme temperature, England and Wales; 65°F. at Aber on the 27th.

January 1959. 'Temperature remained low in the foggy areas and did not exceed . . . or 31°F. at Birmingham (Elmdon) on the 16th.'

General sunshine, England and Wales. 171% of average.

General sunshine, Scotland. 175% of average.

February Mean temperature, England and Wales; difference from average, +0·4°F.

General sunshine, England and Wales. 91% of average.

March General sunshine, England and Wales. 83% of average.

General sunshine, Scotland. 92% of average.

June Mean temperature, England and Wales; difference from average, +1·4°F.

August Mean temperature, England and Wales; difference from average, +2·6°F.

October Mean temperature, England and Wales; difference from average, +4·2°F.

Monthly Weather Report—Table I—Corrections

Month	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					
1957		°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
August ..	6. Scotland, W.			−0·1	+0·8	+0·4	−0·9	−0·5	104		91
1958											
January ..	7. England, N.W.	65									
February	2. England, N.E.								193		
December	7. England, N.W.	57									
1959											
January ..	0. Scotland, N.			−5·0	−5·6	−5·3				−1	
„ ..	1. Scotland, E.				−4·0	−4·2					160
„ ..	2. England, N.E.						−2·8	−0·5			
„ ..	5. England, S.E.						−2·1				174
„ ..	6. Scotland, W.										213
„ ..	7. England, N.W.					−3·9	−3·0	−0·7			
February	2. England, N.E.						−1·0	−1·6			
„	5. England, S.E.										96
„	7. England, N.W.			+1·3		+1·3	−1·4	−1·3	22	−8	106
March ..	3. England, E.						+2·4	+1·1			
„ ..	6. Scotland, W.								107		85
„ ..	7. England, N.W.			+1·8	+3·8	+2·8		+1·5	71		85
April ..	7. England, N.W.			+1·1		+1·7					
May ..	7. England, N.W.			+4·2	+2·8	+3·5					
June ..	7. England, N.W.			+1·4	+1·3	+1·4					
July ..	3. England, E.						+1·8	+1·8			
„ ..	7. England, N.W.			+1·8	+1·3	+1·6					127
August ..	3. England, E.						+2·5	+2·1			
„ ..	7. England, N.W.			+2·9	+1·9	+2·3					
September	7. England, N.W.			+5·1	+0·7	+2·9					
October ..	7. England, N.W.			+6·5	+4·2	+5·3					
November	7. England, N.W.			+1·3	+1·9						
December	7. England, N.W.			+2·3		+2·2					

Monthly Weather Report, 1959—Numbering of Pages

The pages of the Monthly Weather Reports for April to August, 1959 are not numbered consecutively with those for March and September; they should be numbered in sequence from page 49 to page 128.

Monthly Weather Report, 1958—Table VII—Corrections

Lerwick. Number of days with rainfall between:—

1·1 and 5·0 mm. to read 108.
5·1 and 10·0 mm. to read 33.

Monthly Weather Report, 1959—Table VIII—Additions and Corrections

January. Rothesay. Data not available; dashes should be inserted.

January. Eskdalemuir. Minimum temperatures between:—

6° and 14°F. to read 3.
15° and 23°F. to read 9.

Monthly Weather Report—Table XIII—Additions and Corrections

Month	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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No of days
1957																			
July	Lerwick ..	707	4					431	3										
,, ...	Cambridge ..				11, 23		29			219	18		28						
August ..	Kew							280	19										
September ..	Kew											149·1							
,, ..	Lerwick ..	392	6																
October ..	Aberporth ..										28, 30								
November ..	Kew					78·8				9	12						12, 14, 15		
,, ..	Aberporth ..								4										
Year	Lerwick ..							431	3 July										
February 1958	Lerwick ..	199	23			101·2													
March ..	Kew																	180·6	31
April ..	Lerwick ..					324·0													
,, ..	Cambridge ..	550	12										30						
May	Eskdalemuir ..	690	1			405·3													
,, ...	Kew							336				245·6						444·5	
,, ...	Kingsway ..			162				333											
June	Kew											265·9						441·5	
,, ...	Cambridge ..	687	5																
July	Eskdalemuir ..	782				457·0						262·5							
,, ...	Kew																	432·2	
,, ...	Aberporth ..					543·2						328·9							
August ..	Kew											214·6		709	2				
,, ..	Kingsway ..											203·0							
,, ..	Cambridge ..							302	4										
September ..	Eskdalemuir ..			69	19							169·5							
,, ..	Aberporth ..					371·5						168·2							
October ..	Kew					154·5								350				165·7	
November ..	Eskdalemuir ..							81	6	12		41·1							
,, ..	Lerwick ..											30·6		112		7		46·6	
Year	Kew					241·4													
,, ...	Lerwick ..											134·1							
,, 1959																			
January ..	Cambridge ..	159	27	17	14	73·7	30	69	31	15	14	35·6	24						
February ..	Cambridge ..	278	28	33	9	121·7	28	132	26	31	9	77·1	28						
,, ..	Kingsway ..					90·7						68·3							
April ..	Kingsway ..													676		50		332·3	
,, ..	Aberporth ..							340				237·7							

Monthly Weather Report, 1942–48, 1953–58—Corrections

The following corrections to the Text, Tables I, III and VI are due to the revision of the measurements of sunshine at Kew Observatory for the years 1942–48, and the consequent recalculation of the sunshine average for 1921–50 which was brought into use from January, 1953.

Text and Table I—Percentage of Average Sunshine.

District 5. England S.E.

Year	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1942	88	63	73	142	104	126	87	87	91	83	105	117	99
1943	95			109	121	103	99	110	103	98	110	110	107
1944	88	93	109	103		91	64	113	99	99	90	139	100
1945	99		122	127	98	101	105	86	53	113	69	111	99
1946		99	80	133	93	81	111	89	78	83	72	162	98
1947	119	36	61	111	89	104	98	145	109	121	107	89	103
1948	84	105	132	138		86		81	101	104	126	143	106
1953		96					99		122		84		
1954									110			105	
1955							123		109	116		84	
1956	114				125		85		78		122		
1957	114	105		111		133		90		95	110	122	
1958						70			97			77	87

England and Wales.

Year	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1942	81	72	70				94	77	99		93	92	
1943	93	130					110					112	108
1944	81		111					108					
1945					92						69		97
1946					106	89	104	85		77	64	150	97
1947	104		62				89		104		127		
1948													102
1954									119				
1957										86			

Table III—Daily Mean Sunshine (hr.) at Kew Observatory

Year	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1942	1·09	1·29	2·35	7·20	7·43	8·42	5·67	5·13	4·23	2·78	1·86	1·74	4·11
1943	1·41	2·76	3·68	5·54	7·97	7·11	6·42	6·47	4·79	2·62	1·78	1·12	4·31
1944	0·99	1·90	3·24	4·54	7·32	6·23	3·46	6·43	4·76	2·60	1·69	1·32	3·71
1945	1·16	2·11	4·60	6·08	6·10	6·73	6·29	4·80	2·13	3·51	1·08	1·39	3·84
1946	1·66	2·41	2·71	6·63	6·16	5·64	7·69	5·12	3·87	2·48	1·31	1·61	3·95
1947	1·76	0·67	2·15	5·82	5·86	7·22	5·64	8·98	5·71	3·25	2·08	0·76	4·18
1948	1·38	2·54	4·51	7·49	7·65	5·97	5·95	4·90	5·31	2·98	2·33	1·45	4·37

Table III—Percentage of Average Sunshine at Kew Observatory

Year	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1942	77	60	67	148	116	125	91	87	87	90	105	144	102
1943	100	128	105	114	125	105	103	109	98	85	101	93	107
1944	70	88	93	93	114	92	55	109	98	84	95	109	92
1945	82	98	132	125	95	100	101	81	44	113	61	115	96
1946	118	112	78	136	96	83	123	87	79	80	74	133	98
1947	125	31	62	120	92	107	90	152	117	105	118	63	104
1948	98	118	129	154	119	88	95	83	109	96	132	120	109
1953	79	102	98	115	122	83	102	128	131	84	103	82	106
1954	155	95	92	124	82	77	77	81	121	99	109	133	95
1955	81	130	140	121	117	82	123	105	119	115	83	114	111
1956	117	102	127	98	131	70	87	88	79	116	112	22	96
1957	130	121	96	117	106	138	88	88	74	99	136	121	105
1958	100	80	106	105	103	78	106	68	105	97	83	83	93

Table VI—Monthly Frequencies of Sunshine at Kew Observatory

Year	January					February					March					April				
	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.
1942	14	12	5	0	0	13	10	3	2	0	10	12	3	5	1	0	5	7	8	10
1943	10	15	6	0	0	6	11	6	5	0	3	14	6	8	0	5	6	5	6	8
1944	16	10	5	0	0	12	9	6	2	0	6	10	8	6	1	4	10	5	4	7
1945	12	15	4	0	0	10	8	9	1	0	6	8	3	11	3	2	6	5	11	6
1946	11	13	6	1	0	10	9	5	4	0	12	9	2	4	2	5	5	1	5	14
1947	12	11	8	0	0	22	4	0	2	0	11	11	4	3	2	2	9	5	6	8
1948	14	11	5	1	0	6	8	14	1	0	2	14	2	8	5	0	2	11	7	10

Year	May					June				
	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.
1942	1	5	5	6	14	1	4	3	8	14
1943	1	6	3	5	16	1	1	9	11	8
1944	0	8	3	6	14	0	8	10	3	9
1945	1	7	9	6	8	1	8	5	2	14
1946	2	4	10	9	6	7	11	8	4	0
1947	1	6	5	9	7	0	7	7	5	11
1948	4	6	7	5	13	0	6	11	8	5

Year	July					August					September					October				
	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.
1942	2	6	8	8	7	1	9	8	9	4	2	12	5	7	4	5	14	6	5	1
1943	2	10	2	6	11	0	7	7	6	11	1	10	6	9	4	5	14	10	2	0
1944	1	16	9	4	1	1	6	7	8	9	1	11	5	8	5	3	16	8	2	2
1945	1	6	9	6	9	4	10	7	2	8	5	16	8	1	0	7	6	11	7	0
1946	0	6	7	5	13	1	8	9	10	3	2	12	8	7	1	8	13	6	3	1
1947	0	8	8	10	5	0	1	5	6	19	1	6	8	8	7	2	14	11	4	0
1948	2	10	3	6	10	2	11	6	6	6	0	7	10	12	1	3	17	6	5	0

Year	November					December				
	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.	Sunless	0·1–3·0 hr.	3·1–6·0 hr.	6·1–9·0 hr.	>9·0 hr.
1942	12	10	6	2	0	9	13	9	0	0
1943	9	12	6	5	0	16	9	6	0	0
1944	7	18	5	0	0	13	10	8	0	0
1945	15	11	3	1	0	7	19	5	0	0
1946	12	13	3	2	0	13	11	7	0	0
1947	11	10	5	4	0	11	18	1	1	0
1948	11	6	11	2	0	9	16	6	0	0

The following changes should be made in the list published in the Introduction to the 1958 volume.

(1) Additions and alterations.

Station	County	Lat.	Long.	Authority
		° N ′	° ′	
Achnagoichan	Inverness	57 09	03 48W	Nature Conservancy.
Auchterhouse	Angus	56 32	03 04W	Dr. J. H. Brush.
Benmore (Forestry School) formerly Dunoon (Benmore)				
Benmore (*Younger Bot. Gdn.*)	Argyll	56 01	04 59W	Regius Keeper, Royal Bot. Gdn.
Bolton	Lancashire	53 35	02 27W	Corporation of Bolton.
Burnley (Marsden Hospital) formerly Burnley	Lancashire	53 47	02 15W	Medical Officer of Health
Callander	Perth	56 15	04 13W	Town Clerk.
Calshot	Hampshire			Southampton Harbour Board.
Compton	Berkshire	51 31	01 15W	Agricultural Research Council.
Croydon (Waddon)	Surrey	51 21	00 07W	Croydon Corporation.
Dale Fort				Field Studies Council.
Droitwich				Headmaster, Sec. Modern School.
Duirinish	Ross & Cromarty			British Transport Commission.
East Bergholt				Field Studies Council.
Exeter (*Southam*)	Devon			S./Ldr. C. Chesterfield.
Filey				Clerk of the Council.
Garvagh (Moneydig)				J. Porter, Esq.
Gloucester (*Hempsted*)	Gloucester	51 50	02 16W	City Engineer and Surveyor.
Holywood (*Creighton's Green*) formerly Holywood	Down			Urban District Council.
Huntly	Aberdeen	57 27	02 47W	Mrs. A. J. Williams for M.O.
Kirkwall (Grimsetter) formerly Grimsetter				
Leconfield	Yorks, E.R.	53 53	00 26W	Meteorological Office.
Lislap Forest	Tyrone	54 41	07 15W	Queen's University (Geog. Dept.)
Lochranza	Bute	55 43	05 17W	L. D. C. Mc.Lees, Esq.
Mackworth	Derby	52 55	01 31W	Headmaster, Sec. Modern School.
Malham Tarn				Field Studies Council.
Mickleham				Field Studies Council.
Peebles (*Glentress*)	Peebles	55 39	03 08W	Forestry Commission (Scotland).
Penicuik				Dr. J. T. Baldwin.
Portrush	Antrim			Urban District Council.
Prabost	Inverness			R. Murray, Esq.
Rannoch	Perthshire			British Transport Commission.
Rugby				Rugby Weather Bureau.
Ruthin	Denbigh	53 07	03 18W	Headmaster, Brynhyfryd School.
St. Kilda				Captain G. Langford.
Skokholm Island				Field Studies Council.
Spadeadam	Cumberland	55 02	02 38W	Rolls Royce Ltd.
Stirling (*Batterflats*)	Stirling	56 07	03 57W	Stirling Corporation.
Tarfside	Angus	56 55	02 51W	University of Aberdeen.
Walkerburn	Peebles			Forestry Commission (Scotland).
Wallasey				Publicity and Entertainments Manager.
Warsop (Gleadthorpe) formerly Warsop				
Wattisham	Suffolk	52 07	00 58E	Meteorological Office.

(2) Deletions.

Barmouth, *Bletchingley*, *Brampton*, *Chigwell*, Constantine, Crask, East Budleigh, East Ham, Farnham, Fleetwood, Glengavel, Ipswich (Belstead Hall), Kettering, Leamington Spa, Longforgan (Woodlands), Manchester (Whitworth Park), Shardlow Hall, *Strelley*, Tangmere, *Tobermory*, *Welshpool*.

(3) Stations, not published in 1958, which were published in 1959.

Bargrennan, Barr, Barrow in Furness, Blairgowrie, Brawdy, Carsphairn (Dundeugh), Chapel en le Frith, Cleethorpes, Corwen, Dounreay, Eastbourne (Coastguard), Edinburgh—East Craigs, Ely Lodge, Faversham, Fyvie Castle, Gatwick, Great Bookham, Gunby, Hawkridge (Liscombe), Loch Shiel (Polloch), Loch Tay (Ardtalnaig) Loughgall, Lundin Links, Martyr Worthy, Moniaive (Dalmacallan), Mumbles Head, Onecote, Palnure, St. Catherine's Point, Santon Downham, Southampton (Eastleigh), Stanstead Abbotts, Stranraer (Penwhirn), Tarbert (Achaglachgach), Turnberry, Wheaton Aston, Wingham (Elmstone).

(4) Stations, published in 1958, which were not published in 1959.

Bardsey Island, *Croydon Airport*, *Ponteland*.

Recd. 7/5/69

DUPLICATE

M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

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Volume 76 Number 1 Published by HER MAJESTY'S STATIONERY OFFICE

January 1959—*Cold; unusually sunny but with wet and foggy periods*

Cold northerly winds persisted over much of the country from 2nd to 13th, and then, after a period of quiet, foggy weather, several disturbances moved north-east across the British Isles between the 17th and 23rd giving mostly cold weather in the north and mild weather in the south. The last week of the month was anticyclonic, cold, foggy and dry.

New Year's Day was mild generally, with strong westerly winds and outbreaks of moderate to heavy rain, as a vigorous depression moved rapidly east across Scotland. There was heavy snow in the Isle of Lewis. The depression reached southern Norway on the 2nd and for most of the next two weeks pressure remained low in that area and high between Iceland and Ireland. Cold northerly winds spread over the whole of the British Isles on the 2nd and for the next day or two there were frequent showers, scattered thunderstorms and some sleet or snow locally. The Atlantic ridge temporarily weakened as minor waves on a warm front brought milder air to the southern counties of England on the 5th and 6th, and prolonged falls of rain and snow to many districts south of a line Mersey–Humber. Some places in south-west England had over 1 in. of rain in 12 hr. on the 5th and falls were nearly as large in East Anglia on the night of the 6th/7th, while parts of Lincolnshire and Nottinghamshire had 5 in. of level snow which remained on the ground for about 12 days. In the north of England and in Scotland frost persisted all day in many areas; at Dalwhinnie on the 6th temperature failed to rise above 18°F.

There was widespread snow on the 7th as the cold northerly winds spread back again over the whole country, but falls were not heavy. During the next two or three days weather became progressively colder and drier and by the 10th most districts had frost during the morning persisting all day in the north and Midlands. It was fine generally with long sunny periods, although there were a few scattered sleet or snow showers, especially near the east coast.

On the 11th and 12th the northerly winds over the British Isles freshened as a depression, which had moved north-west across eastern Europe to southern Scandinavia, turned south into the North Sea, and associated fronts brought snow at times to all parts of the country. Gales were severe in north-east Scotland on the 11th; a gust of 82 kt. was recorded at Lerwick. Frost, which was widespread on both days, persisted in many places throughout the 11th, but the following afternoon temperatures rose generally to the upper thirties.

The depression over the North Sea moved to the Baltic by 13th and pressure became almost uniform over the British Isles. Fog developed widely during the day, thickening at night, and persisted over much of the country for about four days. Temperature remained low in the foggy areas and did not exceed 25°F. at Renfrew during the 14th and 15th or 24°F. at Birmingham on the 16th.

Mild south-westerly winds spread across the country on the 17th and gave widespread rain. That night was the first without frost for nearly two weeks. The main Atlantic disturbance became almost stationary off the west coast of Ireland from 18th to 20th, and fronts and small depressions, moving north-east across the British Isles gave mild weather in the south but mostly cold weather in the north until the 22nd. Rain was widespread and particularly heavy in parts of northern Scotland on the 18th where some places had 1½ inches in 12 hr. Rain, associated with a depression which moved quickly north-east from southern Ireland to the North Sea on the 22nd, changed to snow over much of eastern Scotland and northern England in the northerly winds which quickly spread over the whole country behind the depression. Snow lay 6 in. deep in parts of Scotland the next morning.

An anticyclone which had been centred near South Greenland on 23rd moved rapidly to cross Ireland on 24th; it became slow moving over Germany on 26th. This anticyclone gave cold and dry weather with a good deal of fog for most of the last week of the month; however a further anticyclone became established over Scotland on 30th and this development cleared most of the fog apart from that in the Scottish Lowlands.

Pressure and wind. Pressure was above the average in the north-west and below in the south-east; the departure at 9 h. ranging from +4·6 mb. at Stornoway to −3·0 mb. at Felixstowe. Winds were predominantly northerly until the 13th, light and variable for the next three days, then becoming mainly between south and south-west until northerly winds again spread over the country on the 22nd; they were very variable and mostly light during the last week. Gale force was reached on the 1st–6th, 8th–12th, 19th–21st, 23rd, 24th and 26th (17 days) in Scotland and on the 1st, 2nd, 6th–12th, 21st and 22nd in England and Wales (11 days). Gales were fairly widespread in the west on the 1st and 2nd. Gusts reached 73 kt. in the Hebrides on the 1st.

Temperature. It was a cold month with mean temperature 3·7°F. below the 1921–50 average in England and Wales, 4·7°F. below in Scotland and 4·5°F. below in Northern Ireland. The coldest period was around the 15th. In Scotland the 6th was also very cold when grass minimum temperatures at Glenmore Lodge and Cannich fell to −5°F. and −4°F. respectively. There was a mild spell from 17th to 22nd. At a number of places it was the coldest January since 1947.

Extreme temperatures included:—(England and Wales) 55°F. at several places on the 18th, 19th and 22nd, 7°F. at Moor House on the 6th and 7th; (Scotland) 52°F. at Prestwick on the 19th and Gordon Castle on the 28th, 0°F. at Braemar on the 15th; (Northern Ireland) 51°F. at several places on the 18th, 19th and 20th, 13°F. at Ely Lodge on the 16th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 113 in England and Wales, 78 in Scotland and 65 in Northern Ireland. Less than 25 per cent. of the average occurred locally in south-west Scotland and less than half the average over much of Scotland south of a line Isle of Rhum to Arbroath, and also in the English Lake District. Rainfall exceeded 150 per cent. of the average over an area extending from Dorset to the Wash. Twice the average was recorded in northern Sutherland.

Thunder was heard on 9 days in Scotland and on the 1st-4th, 8th, 9th, 11th and 20th–23rd in England and Wales.

Snow showers were frequent in Scotland with heavier falls on the 1st, 11th and 18th; severe blizzards with heavy drifting occurred in the north-east. Snow-storms in Shetland were unusually severe; on the 1st all roads were blocked by snow, drifts in some cases being 12 feet deep. In Caithness villages were isolated for 13 days with snow-drifts up to 15–20 feet. Ground was snow covered in parts of the Midlands from 2nd to 18th and 23rd to 29th and was 6–9 in. deep in many places around the 10th.

Sunshine. It was exceptionally sunny for January. The general sunshine expressed as a percentage of the 1921–50 average being 172 in England and Wales, 171 in Scotland and 180 in Northern Ireland. Many places, including parts of the London area had twice their average amount of sunshine; at Eskdalemuir and Hull there was 260 per cent. of the average. It was the sunniest January since records began in 1891 at Edinburgh, since 1886 at Durham, and, except for 1952, since 1881 at Kew.

Fog. Fog occurred at some place or other on most mornings, but there were two main periods when fog was widespread and persisted throughout the day – on the 13th–16th and during the last week of the month. In Lincolnshire fog persisted from 23rd–29th, with visibility less than 25 yd. at times – the longest foggy period since 1952.

Miscellaneous Phenomena. The aurora was observed in Scotland on 23 nights.

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

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TABLE I—DISTRICT VALUES— JANUARY, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	51	1	-5·1	-5·3	-5·2	—	—	135	-2	153
Eastern 1 SCOTLAND, E.	52	0	-4·3	-4·2	-4·3	—	—	62	-5	159
2 ENGLAND, N.E.	54	10	-4·1	-5·2	-4·6	-2·2	+0·7	105	-3	195
3 ENGLAND, E.	55	12	-3·7	-4·2	-3·9	-2·1	-0·5	128	-1	166
4 MIDLAND COUNTIES	52	7	-3·5	-4·2	-3·9	-2·5	-0·6	134	-3	164
5 ENGLAND, S.E.	54	14	-2·4	-3·7	-3·1	-2·8	-0·1	114	-4	175
Western 6 SCOTLAND, W.	52	8	-3·5	-5·7	-4·6	-3·7	+0·1	41	-8	200
7 ENGLAND, N.W. (*and N. Wales*)	55	7	-3·6	-4·3	-4·0	-3·2	-0·8	100	-4	186
8 ENGLAND, S.W. (*and S. Wales*)	55	8	-2·3	-3·4	-2·8	-1·8	-0·8	123	-1	144
NORTHERN IRELAND	51	13	-3·7	-5·4	-4·5	—	—	—	-5	180

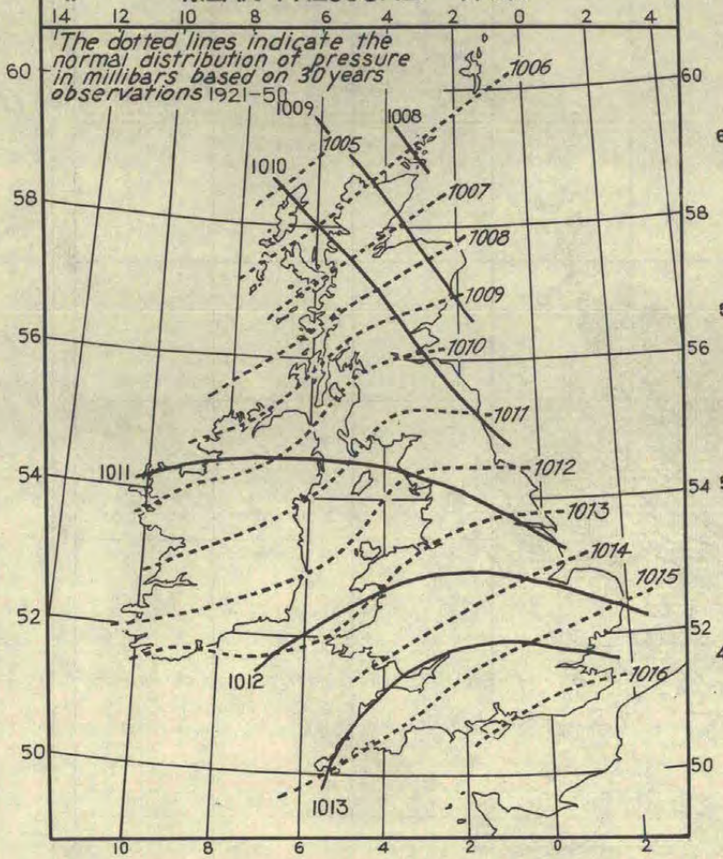
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY, 1959 [1914]

DISTRICT, COUNTY AND PLACE		Height of Vane			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		
		Above Mean Sea Level	Above Ground	Effective Height	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	### 2,5,6	72	18	138	316	197	21	0	17·3	020	48	11	10	72	11	1000
Orkney	Grimsetter	135	51	33	9,11,19	14	16	141	282	249	58	0	14·3	350	40	11	11	66	11	1005
Caithness	Dounreay ...	112	41	26	3,8,11,19	10	19	228	300	122	60	24	16·1	040	36	11	17	59	11	1615
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	20	15	16	135	382	164	48	0	15·1	050	39	20	15	53	23	0930
Inverness	Benbecula	69	51	35	-	0	12	80	278	288	98	0	11·2	350	32	1	16	73	1	1455
1 Aberdeen	Dyce	225	40	40	1	1	6	34	290	256	163	0	9·8	280	35	1	21	57	1	2045
Angus	Bell Rock Lighthouse	128	131	124	1,11	19	16	207	295	192	31	0	16·2	250	45	1	21	65	11	1425
Perth	Rannoch	1006	56	57	1	1	3	9	143	247	329	15	5·8	250	(36)	1	18	50	1	1705
Fife	Leuchars	79	41	41	-	0	3	15	150	307	272	0	6·3	240	29	1	18	42	1	1610
Midlothian	Edinburgh	485	39	23	-	0	3	11	210	362	161	0	8·1	210	31	1	16	56	1	1745
6a Argyll	Tiree	89	60	47	1,11,26	14	21	219	301	140	70	0	16·1	250	39	1	15	70	1	1420
Bute	Millport	50	34	34	1	4	2	17	182	322	219	0	7·6	250	36	1	16	59	1	1745
Renfrew	Paisley	188	81	31	-	0	0	0	51	293	400	0	3·9	240	20	1	16	54	1	1500
	Renfrew	71	41	39	1	1	1	6	103	242	392	0	4·6	210	34	1	15	54	1	1505
Ayr	Prestwick Airport	35	33	33	1	2	6	25	194	436	87	0	8·8	250	35	1	18	56	1	1512
Dumfries	Eskdalemuir ..	825	50	35	-	0	4	16	133	214	381	0	5·5	230	31	1	17	51	1	1640
ENGLAND and WALES																				
6b Isle of Man	Point of Ayre ..	70	40	35	1	2	10	77	374	234	57	0	12·8	240	37	1	17	67	1	1637
2 Durham	Durham	399	53	33	-	0	5	30	231	221	252	10	8·1	220	30	1	17	55	1	1640
	South Shields ..	73	57	44	-	0	6	27	321	345	51	0	10·6	340	28	22	13	45	1	2117
Yorks.,E.R.	Spurn Head ..	64	44	34	‡															
Lincoln	Cranwell	288	47	47	-	0	6	33	320	238	133	20	10·1	230	31	1	21	47	1	2035
3 Norfolk	Gorleston	52	42	34	Ø															
Suffolk	Mildenhall	98	83	60	-	0	4	12	197	332	203	0	7·5	270	27	1	22	49	1	2120
	Felixstowe	85	75	65	-	0	9	29	383	219	113	0	11·3	290	30	9	12	52	9	1320
Bedford	Dunstable	567	55	33	-	0	2	11	171	286	276	0	6·7	210	27	1	20	39	1	2135
	Cardington	285	150	135	1,22	5	6	47	244	242	206	0	9·4	200	36	1	22	54	22	1200
Herts.	Stevenage	564	111	65	-	0	7	36	379	249	80	0	11·3	200	29	22	09	49	22	0815
Essex	Coryton	66	57	48	-	0	2	10	202	372	160	0	8·3	210	25	1	24	49	22	0800
	Shoeburyness ..	115	104	89	20,22	6	11	101	351	211	75	0	13·0	210	37	22	10	55	22	0900
4 Yorks.,W.R.	Sheffield	533	83	35	-	0	0	0	127	408	209	0	6·5	210	20	1	19	50	1	1955
Leicester	Leicester	266	66	45	‡															
Warwick	Birmingham ..	643	118	73	-	0	1	3	186	457	86	12	7·9	230	24	1	19	47	1	1845
Stafford	Keele	706	50	40	-	0	1	3	130	356	255	0	6·2	210	26	1	19	48	1	1655
Gloucester	Avonmouth ..	92	61	33	2	2	7	61	211	209	261	0	8·3	250	38	2	06	50	2	0600
5 London	Kingsway	231	160	40	-	0	0	0	122	431	191	0	6·3	270	21	22	13	38	22	1055
Middlesex	Hampton	139	101	100	-	0	2	18	175	335	216	0	7·5	230	28	22	12	51	22	1145
Surrey	Kew Observatory ..	92	75	50	-	0	2	10	181	384	169	0	7·6	210	25	22	10	48	22	1500
Kent	Isle of Grain ..	48	40	33	-	0	4	27	227	281	209	0	8·4	220	30	22	11	54	22	1005
	Dungeness ..	70	50	33	‡															
	Dover	66	36	60	-	0	7	39	272	344	89	0	11·6	210	29	20	21	57	20	2110
Sussex	Thorney Island ..	75	65	42	-	0	4	26	201	330	187	0	8·1	200	30	20	19	58	2	0030
Hants.	Southampton (Eastleigh)	95	60	41	-	0	4	24	210	376	134	0	8·5	190	27	22	07	55	22	0743
	S. Farnborough ..	318	69	35	-	0	2	6	107	302	329	0	5·6	230	25	22	09	59	22	0820
Berks.	Abingdon	290	40	40	-	0	2	8	214	338	184	0	7·7	240	25	1	22	47	22	0755
Wiltshire	Larkhill	491	51	36	-	0	4	15	207	374	148	0	8·3	220	26	22	08	48	1	2205
	Porton	406	44	44	22	1	6	33	234	281	195	0	9·0	200	35	22	08	58	22	0735
7a Cumberland	Sellafield	83	39	35	-	0	2	12	172	277	283	0	6·7	240	30	1	17	56	1	1645
Westmorland	Moor House ..	1960	50	45	1,11,12	10	18	173	322	100	62	75	16·5	290	37	1	18	64	1	1635
Lancashire	Southport	63	45	36	-	0	6	39	168	258	208	71	8·2	280	30	11	7	40	11	0650
	Speke	180	100	65	1	3	4	17	277	250	197	0	9·0	240	41	1	18	60	1	1725
Cheshire	Bidston Observatory	262	64	39	-	0	4	19	174	279	220	52	-	280	32	1	20	61	1	1848
	Manchester Airport	318	70	30	-	0	2	4	188	379	173	0	7·6	230	27	1	20	46	1	1940
7b Anglesey	Holyhead (Valley) ..	76	50	40	1,2	7	10	77	220	252	188	0	10·1	230	41	1	17	59	1	1728
8a Cardigan	Aberporth	483	41	41	1,2,11	11	19	145	285	195	108	0	13·6	300	46	2	15	69	2	1305
Pembroke	Kete	249	49	37	**															
	Milford Haven ..	246	50	35	1,2	5	7	50	333	223	133	0	11·1	340	37	2	14	59	1	1930
Glamorgan	Port Talbot ..	91	40	35	2	1	12	56	351	229	107	0	11·4	350	34	2	15	55	2	1452
8b Devon	Plymouth	191	88	65	22	2	9	90	249	253	150	0	11·0	-	37	22	05	54	22	0430
Cornwall	St. Mary's, Scilly ...	230	65	57	/ 1,2,4,6	37	18	188	302	171	46	0	16·5	300	47	2	09	65	2	0755
	The Lizard	315	75	60	### 1,2	57	20	259	225	139	64	0	18·7	250	45	1	24	75	2	0815
NORTHERN IRELAND																				
Londonderry	Ballykelly ..	52	50	35	-	0	2	8	117	325	294	0	6·1	250	28	1	15	59	1	1400
Antrim	Aldergrove ..	281	65	55	-	0	2	10	162	326	246	0	6·8	240	32	1	15	57	1	1455
	Nutts Corner ..	344	31	31	-	-	-	-	-	-	-	-	-	230	33	1	15	46	1	1455
CHANNEL ISLES																				
	Jersey Airport ..	359	86	50	## 1,2,4,6	27	18	150	370	174	23	0	16·3	230	40	2	03	64	20	1720

/ Also on 20th, 21st.
Also on 7th, 20th, 22nd.
** Record incomplete.
Ø Anemo dismantled for re-erection.
‡ Anemo out of order.
Also on 9,11,12,19-21,23.
Also on 6,7,20-22,26,31.

MONTHLY WEATHER CHARTS JANUARY 1959

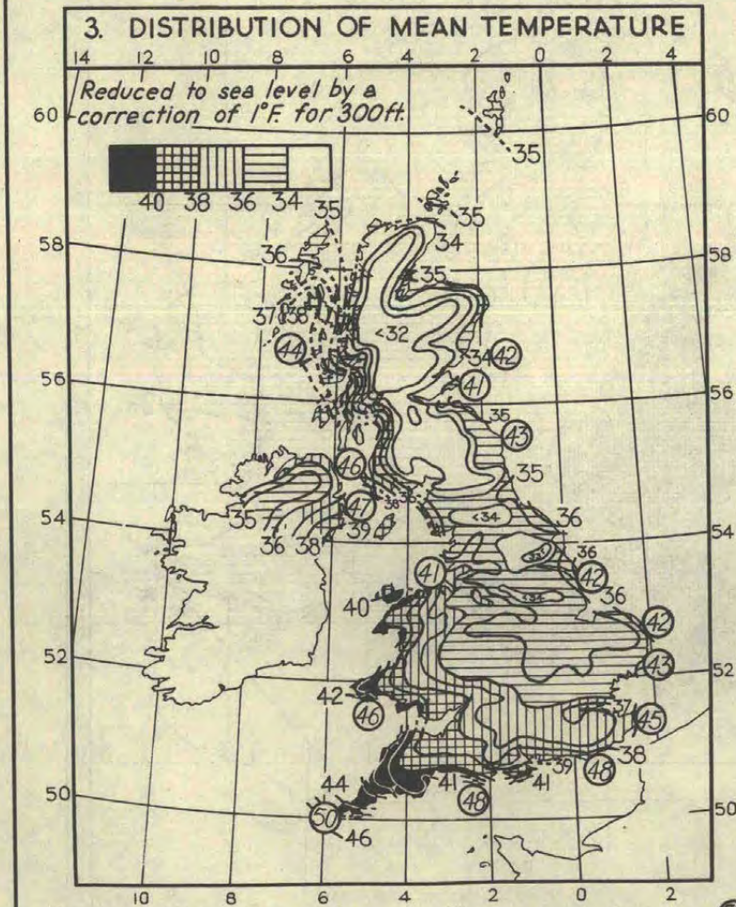
1. MEAN PRESSURE 9A.M.



2. MOVEMENTS OF DEPRESSIONS

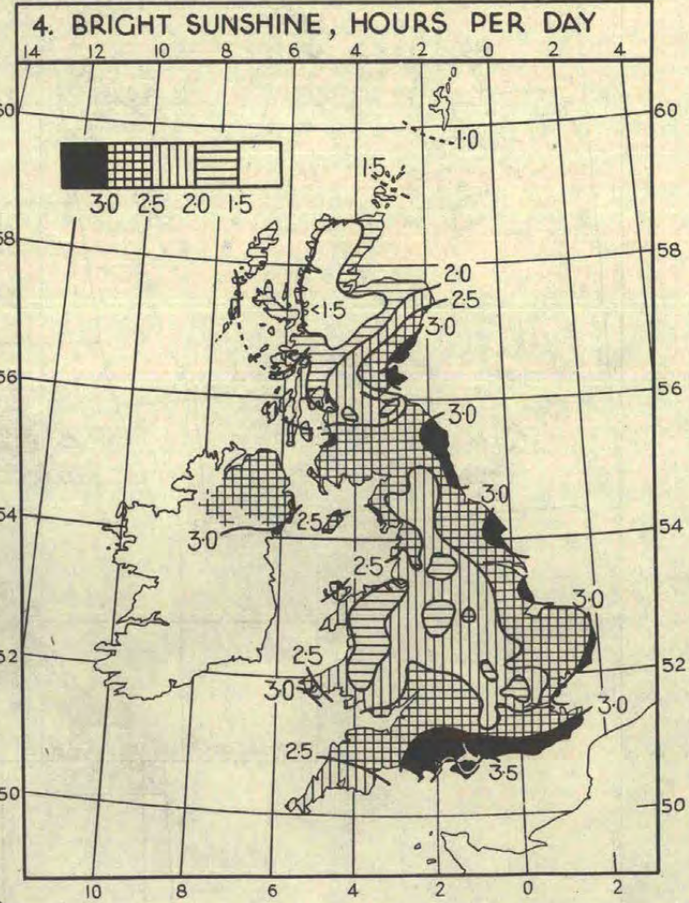
Positions of centres shown thus:- ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

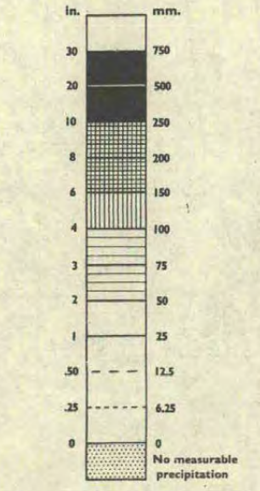
4. BRIGHT SUNSHINE, HOURS PER DAY

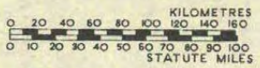


A.M. Form 1483

RAINFALL
JANUARY 1959

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





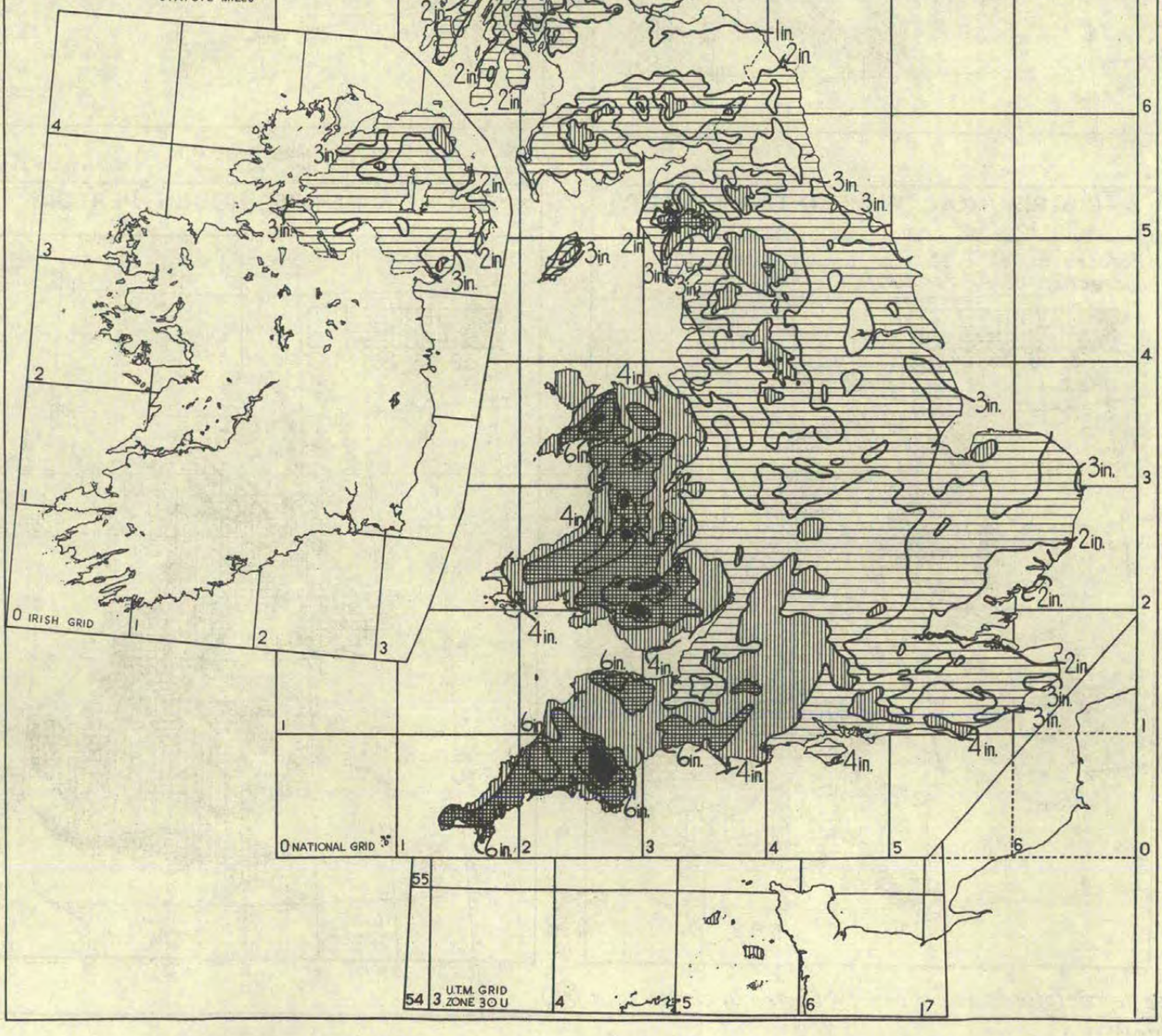


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	35·7	29·4	32·5	-5·7	44	29	16	22	–	–	3·78	84	45	11	26	16	23	22	9	0	2	24	(25)	12	1·34	181
	Baltasound ...	9 9 9	78	38·4	30·6	34·5	–	45	28,29,30	18	23	37·7	–	4·45	90	·59	11	27	20	24	21	15	0	0	21	–	9	0·63	–
Orkney	Sule Skerry ...	9 9 9	43																										
	Grimsetter ...	21–9 9	84	38·7	31·3	35·0	–	47	29	18	22	–	–	5·55	131	1·27	18	26	22	24	11	18	1	0	20	21	4	1·64	–
Caithness	Wick ... ¶§	21–9 9	119	37·7	29·1	33·4	-5·5	45	28,29	17	22	–	–	7·59	259	1·18	18	24	23	21	19	14	0	0	26	26	4	1·95	141
Sutherland	Cape Wrath ...	21–9 9	367	40·3	34·4	37·3	–	51	28	27	22	–	–	7·48	149	2·26	18	26	23	21	9	10	0	2	11	15	1	–	–
	Lairg (Achany) ...	9 9 9	240																										
	Crask	9 9 9	740																										
	Strathy	9 9 9	120	38·2	28·6	33·4	–	46	29	21	15	–	–	9·65	–	1·07	18	26	24	22	24	14	1	2	28	–	1	1·05	– S
Ross & Cromarty	Stornoway ¶§	21–9 9	11	39·5	31·6	35·5	-5·0	50	29	16	5	–	–	7·56	181	2·05	18	25	20	21	16	18	0	0	22	19	2	1·42	138
	Achnashellach ...	9 9 9	220	36·9	24·5	30·7	-7·3	46	19	15	6,15,16	–	–	6·71	75	1·28	17	27	24	–	26	–	–	0	27	–	–	–	–
	Kinlochewe ...	9 9 9	76	38·9	27·3	33·1	–	48	28	11	23	–	–	6·39	–	2·07	11	22	18	16	27	4	3	0	24	24	0	0·95	– S
	Garve (Inchbae)	9 9 9	526																										
	Fortrose ... ¶§	9 9 9	69	37·8	31·2	34·5	-4·2	45	29	24	15	–	–	2·80	124	·48	1	18	16	16	16	0	0	1	19	–	0	1·65	105
	Tarbatness ...	21–9 9	60	38·0	31·6	34·8	–	46	29	23	23	–	–	3·12	–	·77	18	16	13	14	8	1	0	0	21	–	0	–	–
Inverness	Benbecula ...	21–9 9	19	40·5	32·8	36·7	–	48	28,29	21	22	–	–	5·28	112	·88	1	23	19	18	7	13	0	0	20	23	2	2·06	–
	Isle of Rhum ...	9 9 9	15	41·8	32·2	37·0	–	51	18,28	22	6,15	36·7	44·0	7·02	–	2·14	18	21	17	11	11	3	1	0	18	25	2	–	–
	Duntulm ...	9 9 9	294	41·3	33·4	37·3	–	51	27	25	6,23	–	–	5·38	92	1·04	18	24	19	11	2	18	2	0	14	20	1	1·50	– S
	Onich ... §	9 9 9	48	39·5	28·1	33·8	–	51	18,19	17	6	–	–	2·58	26	·75	1	11	8	6	19	1	0	0	24	27	0	1·68	198 S
	Fort William ¶	9 9 9	34	39·6	28·2	33·9	-5·6	49	18,19	15	6	34·7	41·2	3·00	30	·94	1	18	13	12	18	1	1	2	21	26	1	1·07	–
	Fort Augustus ...	9 9 9	70	37·6	24·5	31·1	-6·7	47	19	12	7	–	–	3·04	–	·55	1	20	17	13	23	1	0	2	26	–	0	1·15	– S
	Cannich	9 9 9	350	–	20·2	–	–	–	–	4	15	–	–	3·40	–	·49	2	15	14	10	31	0	0	2	27	31	0	–	–
	Dalwhinnie ...	18–9 9	1176	33·2	21·3	27·3	–	43	19,28	4	6,15	–	–	3·07	51	·73	1	13	12	10	23	0	0	0	28	27	0	1·09	– S
	Inverness ...	9 9 9	13	38·7	29·1	33·9	–	47	28,29	20	31	–	–	2·76	–	·50	1	17	14	–	–	–	–	2	22	23	0	1·38	–
	Kincraig	9 9 9	780	35·2	19·6	27·4	–	45	28	1	6	–	–	2·86	–	·45	11	17	14	–	29	–	–	1	29	28	–	–	–
	Glenmore Lodge	9 9 9	1000	35·1	21·0	28·1	–	45	18,20,29	6	6	–	–	3·12	–	·40	12	16	15	18	29	1	0	0	29	29	0	0 98	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	38·0	28·5	33·3	-5·1	47	29	20	9	–	–	2·11	105	·40	1	17	15	12	15	0	0	0	25	29	0	1·49	94
Moray	Grantown-on-Spey	9 9 9	720																										
	Forres	9 9 9	155	38·7	28·4	33·5	–	50	28	20	6,15	34·7	39·8	3·17	172	·44	18	19	15	14	21	3	0	0	24	28	0	1·63	–
	Kinloss ...	21–9 9	15	38·7	28·7	33·7	–	48	19	17	15	–	–	3·07	–	·56	18	19	17	21	18	12	0	0	25	26	3	1·72	–
	Findhorn ...	9 9 9	20	38·5	30·4	34·5	–	47	19	23	15,22	–	–	3·28	–	·53	18	21	16	14	–	4	0	–	20	23	0	–	–
	Elgin	9 9 9	92	39·2	29·9	34·5	–	48	19	21	23	–	–	3·28	–	·56	18	19	18	8	16	0	0	0	23	23	0	1·63	–
	Gordon Castle ...	9 9 9	104	39·4	28·1	33·7	-4·6	52	28	20	23	–	–	3·55	150	·49	1	20	16	–	–	–	0	–	26	–	0	1·59	108 S
Banff	Glenivet	9 9 9	1085	34·0	22·7	28·3	–	46	27	7	6	–	–	2·18	61	·28	7	17	15	18	29	1	0	3	27	29	3	1·12	– S
	Banff	9 9 9	80	40·5	30·5	35·5	–	48	21	24	26	–	–	4·52	–	·85	18	23	20	10	20	6	0	0	21	13	0	1·65	–
Aberdeen	Braemar	9 9 9	1113	35·0	21·8	28·4	-5·5	47	28	0	15	–	–	2·22	54	·55	1	15	12	16	31	1	0	1	28	29	0	1·10	– S
	Balmoral... ...	9 9 9	927	35·0	22·7	28·9	-5·2	48	28	6	15	–	–	2·80	81	·57	11	16	14	–	30	–	–	–	28	29	–	–	–
	Logie Coldstone	9 9 9	608																										
	Fyvie Castle ...	9 9 9	218	37·4	25·0	31·2	–	43	20,29	9	26	–	–	4·80	–	·50	4,12	22	22	11	–	4	0	–	27	28	–	2·00	–
	Craibstone ¶§	9 9 9	300	37·6	29·4	33·5	-3·6	48	28,29	22	6,26	35·0	39·3	2·53	83	·54	11	16	15	14	23	3	0	0	24	26	3	2·92	170
	Dyce	21–9 9	190	37·3	27·2	32·3	–	46	20	12	26	–	–	2·72	87	·37	11	16	15	19	23	8	0	0	26	27	2	2·89	– S
	Aberdeen ...	9 9 9	170																										
	Udny	9 9 9	363	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rattray Head ...	21–9 9	85	38·9	30·5	34·7	–	45	29	10	23	–	–	3·89	156	·73	18	22	17	18	1	12	0	0	23	–	7	1·88	–
Kincardine	Fettercairn ...	9 9 9	560	36·7	28·3	32·5	–	45	29	21	6	–	–	2·83	–	·60	18	14	14	14	20	0	0	2	26	28	2	2·98	– S
	Stonehaven ...	9 9 9	12	38·8	29·4	34·1	–	46	19,29	21	26	–	–	1·95	75	·50	10	16	12	10	17	0	0	3	25	–	0	3·08	– S
	Muchalls ...	9 9 9	210	37·9	29·5	33·7	–	51	29	23	6,11,23	–	–	2·17	–	·37	18	16	14	8	16	0	0	1	25	28	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	38·5	26·6	32·5	–	47	30	17	15	33·6	40·5	·84	–	·39	18	8	5	7	4	0	0	3	27	29	0	3·27	–
	Dundee ... ¶	9 9 9	147	38·5	28·2	33·3	-4·2	46	19,20	21	6,15	32·5	–	·91	32	·35	18	10	5	8	15	0	0	–	26	30	0	–	–
	Glamis Castle ...	9 9 9	200	36·7	25·1	30·9	–	48	20	14	16	–	–	1·42	–	·46	18	11	8	8	15	0	0	2	29	28	2	–	–
	Buddon Ness ...	9 9 9	15	38·5	27·3	32·9	–	46	18,30	17	6	–	–	1·05	42	·40	18	9	7	3	–	2	0	1	26	–	3	–	–
	Carnoustie ...	9 9 9	29																										
	Arbroath... ...	9 9 9	95	39·0	29·7	34·3	-3·7	45	29,30	22	9	–	–	·94	41	·44	18	9	6	6	6	0	0	5	24	26	0	3·23	195
	Montrose... ...	9 9 9	200	35·8	28·7	32·3	–	43	18	21	6	–	–	1·14	46	·33	18	11	6	6	21	0	0	1	26	–	1	–	–
Perth	Strathyre ...	9 9 9	425	38·2	22·0	30·1	–	48	18	11	6,23	33·5	38·5	3·76	–	1·37	19	6	5	11	10	0	0	3	29	27	0	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	37·7	27·2	32·5	–	48	19	18	6,15	–	–	2·22	–	·89	19	8	5	9	2	0	1	0	25	29	0	–	–
	Pitlochry ...	9 9 9	473	37·2	23·9	30·5	–	47	20	11	6	–	–	1·94	–	·57	18	8	6	9	16	0	0	1	27	27	0	2·51	–
	Pitlochry (Faskally)	9 9 9	310	37·5	23·9	30·7	–	47	30	11	6	33·7	39·0	2·59	–	·81	18	12	7	9	14	0	0	3	29	29	0	–	–
	Perth	9 9 9	77	38·6	24·8	31·7	-5·5	47	18,19	10	6	–	–	1·06	35	·48	18	6	4	7	0	0	0	2	26	27	0	2·30	185
	Blairgowrie ...	9 9 9	200	37·8	23·0	30·4	–	46	19	12	15,16	33·5	–	1·33	–	·61	18	4	4	9	5	0	0	2	30	29	3	–	–
	Glenshee Lodge	9 9 9	1100	35·1	23·6	29·3	–	48	29	7	6	–	–	2·60	–	·57	1	14	10	17	25	0	0	1	28	28	2	–	–
Fife	Kirkcaldy ...	9 9 9	137	39·1	26·9	33·0	-5·2	49	19	18	15	–	–	·96	36	·32	18	8	7	4	18	0	0	1	25	27	0	2·56	–
	Cupar	9 9 9	82	40·9	–	–	–	49	20	–	–	33·1	–	·89	–	·39	18	7	5	4	5	0	0	4	–	28	0	–	–
	Lundin Links ...	9 9 9	40	40·1	29·2	34·7	–	49	20	22	6,12	–	–	1·22	–	·44	19	6	6	2	12	0	0	0	24	–	0	3·29	–
	Leuchars... ...	21–9 9	33	38·7	28·7	33·7	-4·4	48	20	20	6	–	–	·88	36	·39	18	8	5	7	7	1	0	2	26	25	0	3·27	193
	St. Andrews ...	9 9 9	13	40·0	27·3	33·7	-4·5	50	20	22	6,27,28	34·6	40·4	·80	29	·19	1	13	7	–	0	–	–	1	27	28	0	3·16	196
Midlothian	Balerno	9 9 9	700	39·1	24·0	31·5	–	51	19	11	7	–	–	1·18	–	(·37)	21	7	7	–	16	–	–	12	27	29	–	2·15	–
	Midcalder ...	9 9 9	400	37·8	24·3	31·1	–	48	19	15	15	–	–	·90	–	·23	18	8	6	2	17	0	0	0	25	26	0	2·28	– S
	Turnhouse ...	21–9 9	114	38·6	25·5	32·1	–	51	20	15	6,15,27	–	–	·62	26	·19	1	8	6	7	11	1	0	1	26	26	1	2·48	–
	Edinburgh—																												
	East Craigs ...	9 9 9	50	39·1	25·6	32·3	–	50	19	19	6,15,16	–	–	·62	–	·18	1	7	5	5	11	1	0	2	25	28	0	–	–
	Davidson's Mains	9 9 9	200	38·1	27·4	32·7	–	50	19	19	6,7,15	–	–	·54	–	·17	18	8	5	4	12	0	0	1	25	28	0	2·44	–
	Penicuik ...	9 9 9	620	37·4	25·2	31·3	–	48	19	13	6,16	33·8	–	1·29	–	·28	1,21	10	8	8	18	0	0	1	26	27	0	1·24	– S
	Bush House ...	9 9 9	605	38·0	26·4	32·2	–	48	19	14	6	33·3	38·2	1·24	–	·30	21	11	8	4	17	0	0	0	25	30	0	1·84	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	38·5	29·8	34·1	-4·6	49	18,19	21	6	–	–	·90	37	·25	1	9	7	5	12	0	0	2	23	24	0	2·68	159
	Liberton ...	9 9 9	200	39·0	27·8	33·4	–	49	18,19	18	6	–	–	·94	–	·25	1	8	7	–	18	–	–	4	25	–	–	1·92	–
	Botanic Garden	9 9 9	74	39·1	25·6	32·3	–	50	18,19	12	15	33·5	–	·47	–	·15	1	8	4	6	11	2	0	5	25	29	0	2·25	–
E. Lothian	Haddington ...	9 9 9	162	39·0	25·8	32·4	–	49	18,19	17	15	–	–	·52	–	·17	21	9	5	3	7	0	0	0	25	23	0	2·27	–
	North Berwick ...	9 9 9	51	40·5	29·6	35·1	-3·4	50	18	23	6	–	–	·58	27	·29	18	8	4	3	0	0	0	3	26	–	1	1·56	124
	Dunbar	9 9 9	75	40·3	30·3	35·3	–	50	18	23	6	–	–	·57	–	·15	29	8	5	2	0	0	0	0	23	23	0	3·05	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	37·8	27·9	32·9	-3·9	46	20	18	23	–	–	1·56	54	·28	7	12	11	8	20	2	1	0	24	–	–	2·78	212 S
	St. Abb's Head ...	9 9 9	245	38·8	33·5	36·1	–	48	29	24	23	–	–	·99	–	·19	1	13	10	7	3	3	0	0	14	15	5	–	–
Peebles	Broughton ...	9 9 9	741	36·2	22·9	29·5	–	48	18	9	6	–	–	2·15	–	·63	18	11	9	10	22	0	0	0	25	27	0	–	–
	Blyth Bridge ...	9 9 9	830	36·3	23·7	30·0	–	47	18,19	10	6	–	–	1·62	–	·71	1	13	7	8	22	0	0	1	25	26	0	2·87	–
	West Linton ...	9 9 9	800	36·9	22·7	29·8	–	47	19	10	6,14	32·2	39·4	1·16	–	·36	1	10	8	7	24	3	0	1	26	25	1	–	–
	Peebles	9 9 9	600	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selkirk	Selkirk (Bowhill)	9 9 9	600	36·7	24·8	30·7	–	46	18,19	13	6	–	–	2·14	–	·50	1,18	11	8	10	17	0	0	1	26	–	1	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560																										
	Sourhope ...	9 9 9	900	37·0	25·9	31·5	–	48	20,28	15	11	–	–	2·26	–	·59	7	16	13	9	19	1	1	1	23	26	0	3·05	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21-9 9	29	42·6	35·5	39·1	-2·9	48	1,19,29	24	6	–	–	2·08	44	·67	1	20	12	11	2	12	0	0	9	24	1	1·99	173
	Rhuvaal	21-9 9	47	42·5	36·8	39·7	–	49	18,19	31	6,15,23	–	–	2·18	–	·54	1	16	10	8	0	7	2	0	7	17	2	–	–
	Colonsay ...	9 9 9	87	43·0	32·4	37·7	–	50	19,29	22	15	–	–	1·71	30	·30	1	19	12	–	–	–	–	1	18	–	–	–	–
	Tobermory ...	9 9 9	150																										
	Loch Shiel (Polloch)	9 9 9	33	40·5	27·4	33·9	–	51	19	14	6	–	–	4·07	–	·91	19	18	16	10	13	2	0	0	23	24	0	–	–
	Tarbert (Achaglachgach)	9 9 9	100																										
	Lephinmore ...	9 9 9	30	40·7	30·7	35·7	–	50	18,19	20	6	–	–	2·33	–	·67	19	13	8	5	0	2	0	2	20	26	0	2·38	– S
	Glenbranter ...	9 9 9	120	38·2	24·7	31·5	-6·7	49	19	13	6	–	–	3·69	32	·89	19	9	9	4	6	0	0	1	27	28	0	–	–
	Dunoon Waterworks	9 9 9	228	41·8	29·7	35·7	–	48	19,20,31	19	6	–	–	3·64	–	1·30	18	11	8	–	–	–	–	3	23	24	0	–	–
	Dunoon (Benmore)	9 9 9	46	40·2	26·2	33·2	–	49	18	15	6	32·1	39·0	3·25	29	1·10	18	8	7	2	1	0	0	6	27	27	0	–	–
Bute	Rothesay ¶§	9 9 9	200																										
	Millport	9 9 9	16	42·5	33·3	37·9	–	50	19	27	6,11,23	–	–	1·92	38	·60	1	9	8	5	4	1	0	0	15	–	3	–	–
Dunbarton	Helensburgh ...	9 9 9	293	39·1	27·2	33·1	-5·1	48	18,19,30	16	6	–	–	2·55	39	·83	18	10	9	6	7	1	0	2	24	–	1	2·07	199
Stirling	Stirling	9 9 9	151	38·9	27·8	33·3	-4·8	48	19	18	6,15	33·2	43·0	1·58	35	·58	1	8	5	5	2	1	0	5	24	26	1	–	–
	Falkirk	9 9 9	100	38·2	26·4	32·3	–	50	20	16	6,15	–	–	1·14	28	(·50)	18	7	6	3	7	0	0	4	24	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	40·2	30·8	35·5	-4·1	51	19	21	15	–	–	2·08	27	·73	18	11	7	6	7	0	0	13	20	23	0	1·51	–
	Paisley	9 9 9	106	39·3	28·5	33·9	-5·3	49	8,18,19	18	6,16	35·3	43·7	1·61	31	·40	18	13	9	6	15	0	0	15	25	24	0	1·75	188 S
	Barrhead ...	9 9 9	97	38·5	26·3	32·4	–	50	18	16	6,16	–	–	1·65	–	·51	1	11	6	5	8	0	0	8	25	27	0	–	–
	Renfrew ... ¶§	21-9 9	26	38·5	27·3	32·9	-5·5	51	19	15	6,15	–	–	1·27	27	·35	18	12	7	8	7	1	0	13	25	25	1	1·81	183
Lanark	Thorntonhall ...	9 9 9	453	38·3	25·1	31·7	–	47	18,19,20	13	15,16	–	–	1·64	–	·60	1	10	7	6	21	1	0	–	26	27	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	37·5	27·8	32·7	–	47	18,19	18	15	–	–	1·40	33	·44	1	12	6	5	13	1	0	10	26	27	1	2·04	–
	Coatbridge ...	9 9 9	256	37·5	26·4	31·9	–	48	19,20	16	6,7,15	–	–	1·10	–	·43	1	7	4	4	1	1	0	15	25	–	2	–	–
	Coalburn ...	9 9 9	920	36·1	24·8	30·5	–	46	29	9	6	33·6	–	1·58	–	·50	18	12	5	6	22	0	0	1	25	25	1	2·81	–
	Leadhills ...	9 9 9	1270	34·8	22·6	28·7	–	44	19	8	6	–	–	2·93	–	1·11	18	12	9	9	24	0	0	2	24	26	0	–	–
	Carnwath ...	9 9 9	706	36·0	21·8	28·9	–	47	19	8	6	–	–	1·08	–	·45	1	8	6	6	23	0	0	4	25	26	0	–	–
Ayr	Colmonell.. ...	9 9 9	170	42·0	30·3	36·1	-3·6	50	18,19	18	15,16	–	–	1·73	35	·43	18	12	9	–	0	–	–	–	19	25	–	–	–
	Turnberry ...	9 9 9	25																										
	Largs (Woodbank)	9 9 9	25	42·8	30·5	36·7	–	50	18,19	22	15	–	–	1·79	33	·68	18	11	8	–	–	–	–	5	21	24	–	–	–
	Barr	9 9 9	400	40·5	26·3	33·4	–	49	18	(13)	16	–	–	2·36	–	·75	18	13	10	10	2	5	1	0	25	–	0	–	–
	Auchincruive ...	9 9 9	147	40·5	29·4	34·9	–	51	19	20	16	35·7	41·8	1·41	34	·63	1	12	6	5	1	1	0	0	23	29	1	3·10	–
	Prestwick ...	9 9 9	17	41·5	29·8	35·7	–	52	19	18	15	–	–	1·21	33	·56	1	13	8	2	0	1	0	2	22	23	1	2·12	–
	Prestwick Airport	21-9 9	30	41·1	29·6	35·3	–	52	19	19	6,15,16	–	–	1·19	30	·52	1	12	6	9	0	2	0	0	22	25	1	3·14	–
	Kilmarnock ...	9 9 9	115	39·6	29·0	34·3	-4·4	50	19	23	6,23	34·3	42·9	1·03	–	·40	1	6	5	3	3	1	0	0	25	26	0	–	–
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	37·2	26 7	31·9	–	46	18,19	18	6,14,15	–	–	2·76	–	1·07	18	9	9	–	0	–	–	1	23	24	–	–	–
	Dumfries... ¶§	9 9 9	140	38·6	27·5	33·1	-5·2	48	18,19	19	6,14	35·9	41·6	1·80	38	·71	18	12	8	3	–	0	0	4	23	26	0	2·37	184 S
	Ruthwell... ...	9 9 9	95																										
	Eskdalemuir ¶§	21-9 9	794	36·5	24·9	30·7	-4·8	46	19	12	16	37·2	42·3	4·01	53	1·40	18	13	10	10	22	1	0	2	26	24	0	3·10	261
Kirkcud-bright	Bargrennan ...	9 9 9	360	40·6	27·9	34·3	–	47	18,19	18	25	–	–	3·12	–	1·16	18	14	11	6	6	3	0	1	24	26	0	–	–
	Palnure	9 9 9	50	41·7	26·0	33·9	–	49	19	15	11,16	–	–	2·71	–	·70	18	14	12	6	6	3	1	1	26	–	0	–	–
	Glenlee	9 9 9	181	39·1	24·1	31·6	–	48	19	14	6,15,16	–	–	3·47	–	1·15	18	12	11	7	7	1	0	2	25	26	1	–	–
	Carsphairn (Dundeugh)	9 9 9	390	38·1	22·4	30·3	–	47	18,19	10	6,25	–	–	3·73	–	1·33	18	11	11	3	6	0	0	1	26	–	0	–	–
	Glenlochar Barrage	9 9 9	154	38·5	25·3	31·9	–	47	1,19	15	26	–	–	2·29	–	·73	18	12	10	–	7	–	–	5	24	–	–	–	–
	Castle Douglas ...	9 9 9	196	38·3	–	–	–	47	1,18,19	–	–	35·0	–	2·06	–	·65	18	11	9	–	7	–	–	3	–	27	–	2·66	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	39·7	29·3	34·5	–	48	18,19	18	14	–	–	2·88	–	·60	18	17	15	6	3	3	1	3	23	26	2	2·60	–
	Mull of Galloway	21-9 9	257	42·0	35·8	38·9	–	49	18,19,20	30	7,11	–	–	1·28	–	·24	23	17	9	8	2	4	0	1	9	–	2	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21-9 9	55	43·0	35·2	39·1	–	50	1,19	24	16	–	–	2·64	69	·72	6	17	13	10	2	6	1	1	12	16	1	2·68	–
	Douglas	9 9 9	284	42·5	35·2	38·9	-2·3	49	18,19	28	16	–	–	3·64	73	·80	6	17	14	8	11	1	1	2	10	20	1	2·87	169
	Point of Ayre ...	21-9 9	30	42·9	36·7	39·8	–	50	18,19	30	5,13	–	–	1·71	50	·45	6	16	10	3	0	0	0	2	5	–	2	2·31	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	37·0	22·6	29·8	–	47	19,20	10	6	35·1	–	2·67	50	·93	1	14	10	11	11	0	0	1	25	25	1	–	–
	Bellingham ...	9 9 9	849	37·6	25·3	31·5	-3·6	46	18,19,28	15	7	–	–	2·03	56	·43	20	16	11	–	18	0	1	1	25	–	6	–	–
	Allendale Town ...	9 9 9	795	38·5	25·4	31·9	–	49	19	15	16,17	–	–	3·02	–	1·01	1	13	9	5	19	0	0	1	24	–	0	–	–
	Haydon Bridge ...	9 9 9	270	38·7	23·8	31·3	–	51	19	14	6,26	35·3	41·8	2·36	–	·66	21	11	9	6	10	1	0	3	24	24	0	2·44	–
	Berwick-on-Tweed	9 9 9	76	39·5	29·6	34·5	-4·3	49	20	21	6,7,16	–	–	1·47	72	·26	7	18	10	10	1	6	1	0	20	25	0	2·93	174
	Cockle Park ¶§	9 9 9	326	38·0	26·8	32·4	-5·2	46	1,29	19	11	34·4	38·6	2·49	89	·79	21	16	15	8	11	2	1	0	25	25	2	3·37	208
	Acklington ...	21-9 9	138	38·3	29·4	33·9	–	48	28	19	6	–	–	2·24	–	·53	21	16	11	10	15	1	1	3	23	23	1	3·34	–
	Tynemouth ...	21-9 9	95	38·7	31·8	35·3	-4·6	49	29	22	11	–	–	2·47	106	·74	21	16	10	12	11	3	0	3	21	22	1	3·02	–
Durham	Chopwellwood ...	9 9 9	446	39·4	27 5	33·5	-3·7	54	29	19	6	–	–	2·98	115	·68	9	13	10	6	12	0	0	2	25	25	0	–	–
	Ushaw College ...	9 9 9	594	38·3	28·7	33·5	-3·7	54	29	21	10	–	–	2·42	91	·69	21	13	11	9	12	0	0	3	23	–	0	–	–
	Houghall... ...	9 9 9	160	39·4	24·6	32·0	-5·6	51	29	10	15,16	–	–	2·42	96	·63	21	14	13	8	13	0	0	12	28	27	0	2·16	158 S
	Durham ... ¶§	9 9 9	336	38·4	28·1	33·3	-4·4	52	29	20	17	35·4	42·1	2·00	86	·58	21	17	13	5	–	0	0	14	25	26	7	3·03	197
	Gateshead ...	9 9 9	509	38·5	29·6	34·1	–	49	29	22	11	–	–	2·46	–	·62	21	16	13	–	10	–	–	2	23	21	–	3·00	–
	Middleton St. Gge.	21-9 9	115	38·2	28·7	33·5	–	48	1	18	11,15	–	–	2·07	–	·74	21	14	11	8	14	0	0	5	24	24	0	2·78	–
	West Hartlepool	9 9 9	30	40·1	30·6	35·3	–	50	19	25	9,11,29	–	–	3·16	–	·80	21	16	13	9	11	0	1	7	22	24	1	2·64	–
Yorks., N. Riding	Dishforth ...	21-9 9	106	37·7	28·2	32·9	–	48	1	18	16	–	–	2·11	87	·59	21	13	12	8	12	0	0	7	24	25	0	2·94	–
	York ... ¶§	9 9 9	57	38·6	28·8	33·7	-5·2	48	1	21	11	35·5	41·4	2·21	94	·56	21	13	12	6	12	0	0	13	25	–	0	2·50	227 S
	Ampleforth ...	9 9 9	313	39·0	28·4	33·7	–	46	1,19	17	11	–	–	2·70	93	·50	21	15	15	4	–	0	1	7	24	27	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2 mm.) or more	Precip'n ·04in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding— cont.	Redcar	9 9 9	25	41·1	–	–	–	50	19	–	–	–	–	3·09	146	·79	7	17	15	4	9	0	1	4	–	–	0	2·35	–
	Whitby	9 9 9	135	41·5	31·2	36·3	–	52	29	23	6	–	–	2·97	117	·42	6	19	16	5	9	4	0	1	19	26	4	2·49	–
	Scarborough ¶§	9 9 9	118	41·2	31·3	36·3	–3·6	50	29	24	12	–	–	3·55	140	·56	21	19	18	7	11	1	0	1	21	22	0	2·66	196S
	Silpho Moor ...	9 9 9	665	37·3	29·2	33·3	–	49	29	21	11	35·0	–	2·79	–	·41	21	20	15	–	–	–	–	–	24	24	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	38·0	27·2	32·6	–	47	29	15	11	35·6	–	2·26	–	·47	21	14	10	8	12	1	0	3	23	28	0	3·08	–
	Driffield	21-9 9	69	38·2	27·0	32·6	–	48	1, 22	15	11	–	–	2·18	–	·33	1	15	12	10	12	4	0	7	23	23	2	2·85	–
	Hull	9 9 9	8	40·4	29·5	34·9	–4·5	48	1	19	15	36·0	42·8	2·39	101	·47	21	14	11	6	5	0	0	4	25	22	0	2·78	260
	Filey	9 9 9	122																										
	Bridlington ...	9 9 9	157	39·5	28·5	34·0	–	47	1, 21, 22	19	11	–	–	3·00	–	·48	7	18	16	11	14	9	2	5	24	24	2	3·19	–
	Spurn Head ...	21-9 9	29	39·6	33·5	36·5	–2·9	48	1	26	11	–	–	2·04	–	·54	21	15	10	8	3	1	0	5	14	–	5	2·86	182
Lincoln	Gunby	9 9 9	443	38·1	27·3	32·7	–	49	19	12	14	–	–	2·39	–	·77	6	12	10	–	13	–	–	7	24	–	–	–	–
	Waddington ...	21-9 9	224	38·2	29·9	34·1	–	49	19, 22	20	11, 14	–	–	2·30	–	·50	21	13	6	11	12	1	1	6	23	22	0	2·47	–
	Lincoln	9 9 9	22	38·5	27·2	32·9	–	50	21, 22	15	16	36·8	40·9	2·45	–	·58	21	11	7	4	11	0	0	11	25	25	0	1·90	–
	Cranwell ... ¶§	9 9 9	205	38·6	28·0	33·3	–4·8	49	19, 21, 22	18	11, 14	37·8	45·4	2·46	118	·72	6	12	7	9	12	0	1	8	23	23	0	2·53	149
	Horncastle ...	9 9 9	205																										
	Cleethorpes ...	9 9 9	23	39·8	30·3	35·1	–	48	1, 19, 22	22	11, 12	–	–	2·40	–	·64	21	12	11	3	11	1	0	5	21	23	0	2·03	–
	Manby	21-9 9	55	38·8	29·3	34·1	–	49	22	19	11	–	–	3·05	–	·68	6	14	13	6	15	2	0	4	23	23	0	3·05	–
	Skegness	9 9 9	15	39·2	29·5	34·3	–4·2	49	22	19	11	–	–	3·81	182	1·31	6	15	13	7	10	5	0	4	24	23	1	3·10	183
3 ENGLAND, E.																													
Norfolk	Terrington St. Clement ...	9 9 9	13	38·9	29·1	34·0	–	51	22	20	11, 17, 26	37·1	–	3·09	172	·95	6	13	11	5	1	0	1	6	24	24	0	2·52	–
	Marham	21-9 9	76	38·9	29·7	34·3	–	52	22	16	14, 17	–	–	3·21	–	·92	6	13	11	8	12	0	1	5	22	22	0	–	–
	Santon Downham	9 9 9	80	40·3	26·4	33·3	–	53	22	12	17	38·1	42·2	2·48	–	·50	6, 17	12	11	5	2	–	–	–	24	24	0	2·05	–
	West Raynham ...	21-9 9	250	38·0	29·8	33·9	–	50	22	18	17	–	–	3·33	–	·88	6	16	13	11	11	3	1	6	23	23	2	2·49	–
	Cromer	9 9 9	178	41·0	30·4	35·7	–3·6	50	22	22	11	–	–	3·86	172	1·07	6	19	15	4	8	2	1	0	25	22	0	2·86	161
	Sprowston ¶§	9 9 9	93	39·9	29·2	34·5	–4·1	53	22	16	15	–	–	3·41	147	1·21	6	17	11	6	11	0	1	–	25	23	0	2·79	173
	Burlingham ...	9 9 9	89	40·4	30·1	35·3	–	52	22	21	11, 15, 17	–	–	2·76	122	·97	6	15	12	7	5	6	1	4	20	24	2	2·69	–
	Gorleston ¶§	21-9 9	5	40·1	31·9	36·0	–3·9	52	22	21	11, 14	38·8	43·8	3·13	142	1·06	6	19	13	7	11	3	3	4	18	22	1	2·99	172
Suffolk	Mildenhall ...	21-9 9	15	39·5	30·6	35·1	–	53	22	19	14	–	–	2·36	124	·85	6	13	10	9	5	1	2	6	21	24	0	2·59	–
	East Bergholt ...	9 9 9	14	40·9			–	52	22	18	14	–	–	1·85	–	·45	6	14	10	5	11	1	0	5		26	3	–	–
	Felixstowe ...	21-9 9	10	39·9	33·4	36·7	–2·8	48	1	25	30	–	–	1·56	78	·50	6	12	11	7	2	1	1	4	14	22	0	3·32	178
	Lowestoft ...	9 9 9	82	40·6	30·2	35·4	–3·5	53	22	20	11	37·2	41·8	2·63	118	·72	6	16	13	9	8	2	2	4	21	19	2	3·07	170
Cambridge	Boxworth ...	9 9 9	157	39·9	29·1	34·5	–	53	22	18	14	–	–	3·12	157	1·00	6	20	11	8	9	2	0	5	25	26	0	2·48	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	40·0	28·6	34·3	–4·6	55	22	18	17	37·3	43·0	2·77	142	1·05	6	13	10	7	13	1	1	4	24	26	1	2·52	158
Huntingdon	Wyton	21-9 9	129	39·0	30·0	34·5	–	52	22	19	14, 15	–	–	2·76	–	1·10	6	13	9	9	12	1	1	8	23	23	0	–	–
Bedford	Woburn	9 9 9	291	38·7	28·8	33·7	–4·6	50	21, 22	20	14, 17	35·7	44·2	3·65	171	1·02	6	16	10	7	13	0	0	4	25	24	2	2·40	152
	Harrold	9 9 9	150	39·4	27·9	33·7	–	52	22	13	15	38·0	43·3	3·61	–	1·41	6	14	10	8	13	0	0	3	24	27	2	–	–
	Dunstable ...	21-9 9	516	38·3	29·4	33·9	–	52	22	16	14	37·4	44·1	2·92	–	·65	6	14	12	6	13	2	0	6	23	22	0	1·87	–
	Goldington ...	9 9 9	107	39·6	29·6	34·6	–	52	22	20	17	–	–	3·25	–	1·14	6	16	11	7	0	1	0	4	23	23	2	–	–
	Luton	9 9 9	379	39·4	28·9	34·1	–4·3	51	22	19	17	37·0	–	3·27	137	·68	6	14	10	–	0	–	–	11	25	24	0	2·13	139S
	Silsoe	9 9 9	195	39·4	29·6	34·5	–	53	22	19	17	37·2	44·1	2·98	154	1·03	6	14	10	7	3	0	0	6	24	24	0	2·26	–
	Cardington ...	21-9 9	93	39·6	29·5	34·5	–	52	22	19	16, 17	–	–	3·12	175	1·02	6	14	11	12	7	0	0	6	23	24	1	2·21	–
Hertford	Bovingdon ...	21-9 9	516	39·0	29·0	34·0	–	50	21, 22	15	14	–	–	3·56	–	·70	21	14	10	10	4	1	0	7	22	22	0	–	–
	Garston	9 9 9	263	40·5	29·3	34·9	–	52	22	20	14, 15	–	–	2·83	–	·52	6	15	11	4	1	2	0	–	24	25	0	1·72	–
	Rothamsted ¶§	9 9 9	420	38·8	28·4	33·6	–4·2	51	22	17	14	36·4	43·4	3·19	118	·74	6	18	11	9	10	0	1	6	25	24	0	2·55	149
	St. Albans ...	9 9 9	272	40·1	28·7	34·4	–3·7	52	22	19	17	36·6	–	2·62	107	·59	6	13	10	1	–	1	1	6	26	25	0	–	–
	Bayfordbury ...	9 9 9	221	40·3	29·0	34·7	–	52	22	18	17	–	–	2·37	101	·45	6	14	11	5	3	0	2	–	24	25	0	2·48	–
	Stanstead Abbotts	9 9 9	97	41·5	29·3	35·4	–	53	22	17	17	39·4	43·8	1·95	–	·41	6	13	10	–	2	–	–	8	23	24	0	–	–
	Eastwick Lodge...	9 9 9	137	40·5	29·1	34·8	–	52	21, 22	18	17	–	–	2·14	97	·46	20	14	9	–	0	–	–	8	24	–	1	–	–
Essex	Stansted ...	9 9 9	330	39·1	30·0	34·5	–	51	22	17	14	–	–	2·35	–	·55	6	15	11	10	4	0	1	6	22	23	0	–	–
	Saffron Walden	9 9 9	295	39·4	29·3	34·3	–	51	22	19	14	37·8	43·6	2·42	–	·65	6	16	10	7	8	0	1	9	25	26	2	–	–
	Writtle	9 9 9	105	41·1	29·8	35·5	–	52	22	19	17	–	–	1·60	74	·36	6	14	9	6	0	0	0	4	23	23	1	2·14	–
	Coryton	9 9 9	9	42·3	31·8	37·1	–	53	22	22	14	38·1	45·9	1·43	–	·29	1	13	10	5	1	0	0	7	21	24	0	–	–
	Southend ...	9 9 9	90	41·2	31·3	36·3	–	51	22	23	11	–	–	1·39	75	·29	1	14	9	7	1	0	1	3	20	21	1	3·12	187
	Maldon	9 9 9	14	40·1	29·5	34·8	–	51	22	20	14, 17	–	–	2·04	–	·43	6	16	10	5	–	1	0	9	23	–	0	2·42	–
	Earls Colne ...	9 9 9	160																										
	Shoeburyness ¶§	21-9 9	11	40·8	32·8	36·8	–2·9	52	22	24	14	–	–	1·63	89	·32	6	15	10	7	2	0	1	4	15	21	0	3·06	177
	Clacton	9 9 9	53	39·9	31·2	35·5	–	49	22	22	14	37·1	43·1	2·07	102	·51	6	14	10	7	10	1	1	3	20	20	0	3·08	172
	Walton-on-Naze	9 9 9	35	39·7	31·1	35·4	–	50	22	22	14	–	–	2·12	–	·41	6	18	14	11	9	1	2	4	19	23	0	3·25	–
	Dovercourt ...	9 9 9	11																										
4 MIDLAND COUNTIES																												
Yorks., W. Riding	Slaidburn ...	9 9 9	629	39·0	26·6	32·8	–	48	19	16	14	–	–	4·84	–	1·30	21	15	11	5	11	4	0	3	24	25	0	3·19	–
	Malham Tarn ...	9 9 9	1297	35·4	26·7	31·1	–	43	19, 28	16	11	35·9	–	4·61	–	1·24	21	14	13	12	24	2	2	1	23	26	0	–	–
	Bingley	9 9 9	610	38·0	27·8	32·9	–	49	19	18	11	–	–	2·89	77	1·04	1	11	11	3	18	0	2	2	22	23	0	–	–
	Huddersfield §	9 9 9	325	39·6	28·5	34·1	–4·2	51	19	16	14	35·2	41·2	3·50	–	1·00	1	12	10	–	16	–	–	15	23	23	0	1·62	203
	,, (Oakes)	21-9 9	762	38·2	30·2	34·2	–3·4	49	19	20	11	35·4	40·8	3·93	98	1·15	1	15	11	10	16	3	1	1	23	23	0	2·81	–
	Bradford ¶	9 9 9	439	38·3	28·1	33·2	–4·8	50	19	19	11, 15	33·7	40·8	2·99	85	1·03	1	13	11	5	11	1	2	7	22	25	0	–	–
	Ilkley	9 9 9	315	39·1	27·7	33·4	–4·3	50	18, 19	18	11	–	–	3·17	79	·95	1	12	10	9	12	0	0	5	22	–	0	2·11	180S
	Sheffield	9 9 9	429	40·4	31·7	36·1	–3·1	49	19	23	11	35·4	42·3	3·53	116	·97	6	14	9	10	11	0	1	–	22	27	0	2·20	186
	Wakefield ...	9 9 9	121	38·8	28·0	33·4	–5·3	50	19	19	15	36·6	42·9	2·72	108	·65	6	15	10	6	12	1	1	16	25	25	0	–	–
	Killinghall ...	9 9 9	365	38·1	28·5	33·3	–	49	19	19	29	35·2	–	3·19	–	·91	1	15	11	5	14	0	0	6	22	25	0	2·78	–
	Pontefract ...	9 9 9	255	38·7	28·8	33·7	–4·7	49	19	20	11	–	–	2·06	96	·50	21	11	8	8	12	0	0	12	24	23	0	2·24	–
	Bramham ...	9 9 9	177	37·9	27·0	32·5	–	48	19, 20	19	14, 26	–	–	2·31	–	·62	21	13	11	5	11	1	1	7	25	27	0	2·95	–
	Cawood	9 9 9	20	37·8	26·5	32·1	–	48	1, 19	15	11, 14, 16	34·7	40·2	2·05	88	·63	21	9	9	7	12	0	0	6	25	29	1	2·56	–
	Askham Bryan ...	9 9 9	90	38·0	26·3	32·1	–	48	1	12	11	–	–	2·22	90	·60	21	12	10	6	12	0	0	7	25	26	0	2·33	–
Derby	Buxton	9 9 9	1007	37·1	26·9	32·0	–4·1	47	19	11	14, 15	36·0	39·8	5·04	92	1·00	17	18	14	10	23	4	1	6	22	23	0	–	–
	Chapel en le Frith	9 9 9	728	38·8	23·5	31·1	–	49	19	7	11	–	–	3·46	–	·93	1	12	9	10	24	1	1	7	26	25	1	–	–
	Wirksworth ...	9 9 9	565	39·3	28·2	33·7	–	47	19	18	14	–	–	3·57	–	·85	6	14	13	13	15	1	0	1	26	23	1	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	41·5	28·0	34·7	–	50	19	16	14	–	–	2·47	–	·73	21	12	9	7	12	0	0	14	24	24	0	1·62	–
Morley	9 9 9	350	39·3	26·4	32·9	–	49	19	12	14	–	–	3·22	–	·71	21	14	13	6	13	0	1	–	25	22	0	2·41	– S
Chesterfield ...	9 9 9	298	38·1	27·4	32·7	–	48	19,21,22	16	14	–	–	2·92	–	·77	6	13	8	6	12	0	1	9	27	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	39·6	27·7	33·7	-4·7	51	19	12	16	38·2	42·7	2·44	112	·58	6	15	9	6	11	0	0	12	25	26	0	2·54	192
Watnall ...	21-9 9	385	39·5	29·8	34·7	–	49	19,20	14	14	–	–	3·28	122	·82	21	13	9	10	13	2	0	10	23	24	0	2·26	– S
Mansfield ...	9 9 9	357	39·8	29·7	34·7	-3·3	49	19	19	11	–	–	3·33	125	·80	6	12	9	5	13	0	0	11	25	26	0	–	–
Nottingham ¶§	9 9 9	192	39·8	29·2	34·5	-4·6	49	1,19,22	17	16	35·1	40·1	3·15	138	·79	21	11	8	6	11	0	1	10	24	24	0	1·74	139
Warsop	9 9 9	150	39·6	26·0	32·8	–	49	19	13	11	–	–	2·48	116	·62	6	13	8	7	13	1	0	9	25	28	1	2·24	–
Finningley ...	21-9 9	34	39·2	29·9	34·5	–	49	19	18	14	–	–	2·06	–	·44	6	11	9	7	11	0	0	8	23	23	0	2·26	– S
Langar	21-9 9	106	39·4	29·2	34·3	–	50	19,21,22	17	16	–	–	2·29	–	·59	6	13	8	10	11	0	1	6	23	21	0	–	–
Leicester Leicester (Towers)	9 9 9	267	40·1	28·1	34·1	–	50	21,22	13	16	36·9	43·0	–	–	–	–	–	9	14	1	1	11	25	26	4	1·87	–
Caldecott ...	9 9 9	175	40·2	26·5	33·3	–	50	19,21,22	15	15,16,17	–	–	3·37	–	1·18	6	16	10	7	12	0	1	11	25	25	0	2·11	–
Northampton Wellingborough	9 9 9	298	39·6	28·5	34·1	–	51	22	17	14,15	–	–	3·65	–	1·27	6	14	10	6	14	0	1	6	25	25	1	–	–
Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	38·9	28·0	33·5	–	51	22	18	14,15,17	36·2	44·1	3·60	174	1·19	6	17	11	6	14	0	1	5	24	23	0	–	–
Wittering ...	21-9 9	216	38·6	29·0	33·8	–	50	22	14	14	–	–	3·24	–	1·37	6	13	9	9	12	0	1	6	22	23	0	3·10	–
Warwick Birmingham ¶§	21-9 9	536	39·8	32·7	36·3	-2·6	49	18,19	24	15,16	40·0	45·3	3·67	123	·99	6	16	15	10	12	0	0	8	21	20	0	2·12	158
Luddington ...	9 9 9	138	40·3	29·9	35·1	–	51	18,19,21	17	17	–	–	3·64	169	1·05	6	17	13	7	11	1	0	5	24	23	0	2·44	–
Stratford on Avon	9 9 9	160	40·4	28·5	34·5	–	52	18	17	17	37·2	–	3·59	–	·83	6	18	12	8	10	0	0	8	25	24	0	2·26	–
Elmdon	21-9 9	324	39·1	29·7	34·4	–	50	18,19	12	16	–	–	2·81	112	·65	6	17	13	12	12	1	0	9	22	21	0	2·26	–
Shipston on Stour	9 9 9	365	39·5	30·1	34·8	–	50	18,19,22	17	16	38·1	–	4·19	–	1·29	6	18	12	9	11	1	0	4	22	23	2	2·73	–
Wellesbourne ...	9 9 9	153	40·0	29·4	34·7	–	51	19	17	17	36·7	41·5	3·57	155	1·11	6	17	13	13	11	2	0	7	22	24	0	2·10	–
Moreton Morrell	9 9 9	280	39·7	29·6	34·7	–	51	18	19	15,17	–	–	3·49	–	1·28	6	17	12	11	11	1	1	7	23	24	1	2·21	– S
Coventry... ...	9 9 9	338	39·5	28·3	33·9	-4·5	50	19	15	16	37·2	42·6	3·34	135	·85	21	15	12	11	11	0	0	7	25	–	1	1·90	168 S
Rugby	9 9 9	385	39·1	29·4	34·3	–	49	19,21,22	18	16	35·8	41·3	4·45	–	1·02	6	15	13	10	14	0	1	–	24	23	1	2·37	–
Oxford Oxford ... ¶§	9 9 9	208	40·8	30·9	35·9	-3·6	52	22	22	16,17	36·7	42·4	3·70	157	·72	6	18	12	8	4	1	0	6	21	21	0	2·77	163
Buckingham Aylesbury ...	9 9 9	316	40·5	28·9	34·7	–	52	18,22	18	17	–	–	3·11	–	·67	20	14	11	7	12	0	1	7	24	23	0	2·05	–
Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	38·1	28·8	33·5	–	49	19	17	16	36·6	42·1	3·03	95	·57	6	13	11	11	20	5	0	9	23	23	0	2·22	–
Oaken	9 9 9	409	39·6	27·1	33·3	–	50	19	10	16	37·3	–	2·85	–	·80	6	15	12	8	18	–	–	–	25	21	–	–	–
Wheaton Aston ...	9 9 9	365	39·3	27·3	33·3	–	51	21	11	16	37·4	–	2·45	–	·63	6	15	12	8	18	0	0	5	24	–	0	2·00	–
Stone	9 9 9	350	37·7	25·9	31·8	–	49	19	11	11	–	–	2·70	–	·45	1	15	10	6	20	0	0	11	24	27	0	1·61	– S
Penkridge ...	9 9 9	330	38·7	27·6	33·1	–	49	19	13	16,17	–	–	3·39	–	·62	6	21	17	8	15	0	0	9	25	23	1	–	–
Onecote	9 9 9	1350	35·9	27·4	31·7	–	45	19	16	11	35·3	40·7	(3·42)	–	·65	17	(15)	(13)	10	21	–	–	0	26	23	0	2·35	–
Shropshire Oswestry... ...	9 9 9	570	40·4	30·2	35·3	–	51	29	18	15	–	–	5·50	–	·88	6	20	16	10	17	2	0	5	21	19	1	2·58	–
Shrewsbury ...	9 9 9	184	40·2	29·1	34·7	–	51	18,19	13	16	38·8	44·9	3·71	155	·78	6	18	16	11	14	5	0	7	21	22	0	2·55	–
Shawbury ...	21-9 9	235	39·0	27·6	33·3	–	51	19	10	16	–	–	3·70	152	·67	6	17	15	14	19	2	0	8	23	23	0	2·49	– S
Newport ...	9 9 9	211	38·7	26·5	32·6	–	50	19	13	11,16,17	–	–	2·86	122	·82	6	19	14	9	20	2	0	4	24	24	1	2·21	– S
Worcester Malvern	9 9 9	203	40·6	31·8	36·2	-3·2	51	18	19	16	38·3	44·4	4·42	150	1·03	21	20	14	12	2	0	0	8	17	18	0	2·26	122 S
Worcester (Redhill)	9 9 9	190	40·7	30·1	35·4	–	51	18,19	19	16	–	–	3·29	134	·82	21	16	14	5	11	0	0	8	23	23	0	2·41	–
Droitwich ...	9 9 9	106	39·9	28·1	34·0	–	50	18,19	18	16,26	–	–	3·40	–	·92	21	17	14	4	1	0	0	7	25	–	0	2·01	–
Pershore (Institute of Horticulture)	9 9 9	130	41·1	31·6	36·3	–	52	18	21	17	–	–	3·67	–	1·03	6	17	14	6	12	0	0	5	19	23	2	2·55	–
Pershore	21-9 9	110	40·5	30·7	35·6	–	51	18,19,22	21	10,16,17	–	–	3·43	–	·82	6	16	12	8	7	0	0	4	23	23	0	2·24	–
Halesowen ...	9 9 9	505	39·3	28·7	34·0	–	49	18,19	15	16	37·8	43·8	2·74	–	·74	6	17	14	11	14	0	0	6	22	20	0	1·90	–
Hereford Lyonshall ...	9 9 9	510	39·5	30·0	34·7	–	48	1,19	17	14	–	–	4·70	–	·66	6	17	16	9	17	–	–	–	23	23	–	–	–
Ross-on-Wye ¶§	21-9 9	223	41·4	32·1	36·7	-3·7	52	18	19	16	37·3	43·1	4·81	166	·95	21	17	14	8	8	2	0	5	21	22	0	2·69	158
Preston Wynne ...	9 9 9	274	40·1	29·4	34·7	–	50	1,19	19	16	–	–	3·53	–	·65	6	19	14	9	6	0	0	5	24	21	1	2·65	–
Gloucester Bristol (Filton) ...	21-9 9	192	41·7	32·6	37·1	–	52	18,19	21	16,17	–	–	3·33	109	·85	21	17	14	7	1	1	0	7	20	21	0	2·48	–
Ruscombe ...	9 9 9	610	40·6	30·0	35·3	–	50	18	20	14,16	–	–	4·56	146	·78	6	19	14	9	15	1	0	6	24	–	0	–	–
Cirencester ...	9 9 9	443	40·1	29·5	34·8	–	50	19,22	18	14	–	–	4·54	136	·70	21	17	14	8	12	0	0	6	24	25	3	2·63	–
Little Rissington	21-9 9	740	38·6	31·4	35·0	–	48	18,19,22	23	16	–	–	4·00	133	·83	6	17	13	8	15	3	0	5	22	22	2	2·92	–
5 ENGLAND, S.E.																												
London Kensington ...	9 9 9	81	42·0	32·2	37·1	-3·6	54	22	25	17	38·4	44·3	2·62	115	·66	20	15	9	3	1	1	1	5	21	21	1	–	–
Hampstead ...	9 9 9	450	40·6	30·5	35·5	-2·7	51	22	23	11,14	–	–	2·12	85	·40	17	14	10	6	–	0	1	–	25	26	1	2·41	187
Westminster ...	9 9 9	27	42·6	32·9	37·7	-3·4	53	21,22	26	11,17	–	–	2·14	104	·35	6,17	15	10	4	0	1	2	–	17	24	0	–	–
Regent's Park ...	9 9 9	129	41·8	31·6	36·7	–	54	22	25	12,17	–	–	2·39	–	·57	20	11	9	–	1	1	1	5	21	23	–	1·35	142
Camden Square ...	9 9 9	121	42·0	32·2	37·1	-3·1	53	22	26	11	37·9	44·6	2·21	97	·57	20	13	9	2	2	1	1	–	20	23	0	–	–
Kingsway ...	—	—																									1·97	–
Bunhill Row ...	—	—																									1·47	216
Greenwich (Maritime Museum)	9 9 9	24	42·6	31·5	37·1	–	53	22	24	17,25,26	–	–	1·87	96	·30	6	15	10	1	0	0	0	6	20	22	0	1·65	–
Middlesex London Airport	21-9 9	82	41·8	31·6	36·7	–	53	22	21	17	–	–	2·16	96	·36	6	14	9	6	2	1	1	5	21	22	0	2·46	–
Hampton ...	9 9 9	39	42·6	31·2	36·9	–	51	21,22	23	26	–	–	1·95	–	·35	20	13	9	4	2	2	3	6	20	24	2	2·75	–
Wealdstone ...	9 9 9	175	41·0	30·1	35·5	-4·1	52	22	20	17	37·3	46·9	2·38	94	·41	6	13	9	4	4	1	1	10	23	23	0	2·23	–
Southgate ...	9 9 9	221	–	30·5	–	–	–	–	19	14	39·0	–	2·13	–	·43	6	15	8	3	4	0	1	5	24	21	0	2·01	–
Surrey Farnham... ...	9 9 9	260																										
Wisley	9 9 9	150	41·2	30·0	35·6	-4·0	51	21,22	20	26	37·7	43·9	2·32	95	·38	20	15	10	6	0	1	2	7	24	26	2	2·13	143 S
Great Bookham	9 9 9	466	40·4	29·9	35·1	–	49	1,6,22	22	29	38·6	–	2·79	–	·52	21	12	11	3	8	1	1	6	22	24	0	2·62	–
Mickleham ...	9 9 9	179				–	51	21	18	17	–	–	2·60	85	·67	21	9	7	4	9	1	1	5	24		0	–	–
Kew Observatory ¶§	21-9 9	18	41·3	33·0	37·1	-4·2	51	21,22	23	17	38·0	44·5	2·13	100	·35	6	13	10	5	2	2	2	7	17	23	0	2·58	190
Gatwick	21-9 9	194	41·8	30·1	35·9	–	51	22	18	25	–	–	2·88	–	·58	21	11	11	9	0	1	1	6	22	22	0	2·94	–
Croydon (Waddon)	9 9 9	220	41·9	29·5	35·7	–	54	22	20	25	–	–	2·40	–	·51	21	10	9	–	–	–	–	–	24	–	–	–	–
Addington ...	9 9 9	474	40·2	30·5	35·3	-3·4	49	1,6,22	23	11,14,15	–	–	2·78	103	·50	21	14	11	–	–	–	4	23	–	–	–	–	–
Kent Bromley	9 9 9	213	42·7	31·2	36·9	-2·8	51	21,22	24	11,26	–	–	2·29	101	·48	21	13	12	2	6	0	1	10	24	–	0	–	–
Swanley	9 9 9	177	41·6	30·0	35·8	–	52	22	21	26	39·3	–	2·33	–	·40	21	16	10	5	3	2	1	5	23	24	1	1·83	–
Dartford... ...	9 9 9	17	42·4	30·6	36·5	–	52	21,22	21	26	–	–	1·94	–	·30	1	13	10	4	1	0	0	7	23	–	1	–	–
Tunbridge Wells	9 9 9	351	41·4	28·2	34·8	-3·7	51	22	19	11	36·5	41·8	2·99	99	·70	21	13	10	5	4	2	1	4	24	22	1	3·01	172
West Malling ...	21-9 9	304	41·0	30·6	35·8	–	51	21,22	19	17	–	–	2·41	98	·40	1	15	12	5	1	0	1	6	22	22	1	2·89	–
Goudhurst ...	9 9 9	290	41·4	29·0	35·2	–	52	22	20	17	–	–	2·89	85	·46	6	14	12	5	2	1	1	4	24	25	0	–	–
East Malling ¶§	9 9 9	122	42·3	30·0	36·1	-2·7	53	22	20	17	–	42·6	2·19	88	·33	6	14	10	4	3	0	0	6	23	24	0	2·74	181

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5 ENGLAND, S.E.—cont.																												
Kent—cont. Gillingham ...	9 9 9	14	42·4	31·1	36·7	–	53	22	21	17	–	–	2·05	–	·40	1	10	8	1	1	1	0	4	20	–	0	2·45	–
Sittingbourne ...	9 9 9	224	41·5	30·5	36·0	–	52	22	21	14	37·4	43·4	2·46	–	·49	20	12	9	2	0	1	1	8	22	24	5	2·92	–
Isle of Grain ...	9 9 9	9	42·5	32·5	37·5	–	53	22	24	14	–	–	1·18	–	·22	5	10	8	4	1	0	1	4	18	22	0	2·42	–
Throwley ...	9 9 9	493	41·1	30·0	35·5	–	51	22	20	14	37·9	44·5	2·55	–	·48	5	15	12	5	3	0	1	5	23	23	5	3·15	–
Faversham ...	9 9 9	157	41·5	30·5	36·0	–	52	21,22	22	14	37·8	43·3	2·09	–	·34	1,19	13	9	4	1	1	0	5	22	24	0	2·98	–
Dungeness ...	21–9 9	10	42·4	32·9	37·7	–	52	22	22	14,17	–	–	3·03	124	·51	6	15	11	–	–	–	–	–	19	–	–	–	–
Wye	9 9 9	185	42·2	30·5	36·3	–2·4	52	22	21	17	–	–	2·52	84	·41	5	14	11	6	4	1	0	7	21	25	3	2·92	172
Whitstable ...	9 9 9	9	42·8	32·3	37·5	–	53	21,22	21	14	–	–	1·42	73	·29	1	13	8	1	0	0	0	3	18	–	1	2·53	–
Folkestone ...	9 9 9	128	43·4	33·0	38·2	–	52	22	25	11	–	46·9	2·97	116	·56	5,6	15	12	4	1	0	0	2	16	21	0	3·47	–
Wingham (Elmstone)	9 9 9	28	41·9	30·1	36·0	–	54	22	21	17	–	–	1·78	–	·37	1	14	9	4	1	2	0	2	23	20	5	–	–
Herne Bay ...	9 9 9	21	41·5	32·8	37·1	–	53	22	25	17	–	–	1·79	86	·27	1,5	12	9	4	0	0	0	3	18	–	0	2·68	–
Dover	9 9 9	19	43·1	33·2	38·1	–2·6	52	22	26	11,17,30	40·3	45·3	3·13	112	·64	5	15	11	5	1	1	0	1	16	20	0	3·51	–
Ramsgate ...	9 9 9	80	42·5	34·5	38·5	–	52	22	26	14	–	–	1·72	85	·42	1	13	11	2	1	0	0	3	12	–	5	3·07	172
Margate	9 9 9	51	42·3	34·1	38·2	–2·8	52	22	27	14	35·9	45·3	1·70	91	·33	5	12	9	3	0	0	0	3	10	19	0	2·66	152
Sussex Thorney Island ...	21–9 9	10	44·3	33·4	38·9	–	53	22	24	14,17,25	–	–	3·22	–	·82	5	14	13	5	0	2	1	0	18	22	0	3·33	–
Bognor Regis ...	9 9 9	24																										
Fernhurst ...	9 9 9	188	41·9	29·0	35·5	–	51	21,22	19	17	37·6	–	3·98	–	·65	21	15	13	7	3	3	1	3	24	25	1	3·13	–
Littlehampton ...	9 9 9	15	43·7	32·5	38·1	–2·5	51	1,6	24	17	–	44·0	3·37	112	·84	5	15	13	3	1	0	0	1	19	–	0	3·28	153
Worthing ...	9 9 9	25	44·0	33·1	38·5	–2·4	51	1,22	26	11,17	38·6	45·7	3·15	107	·78	5	14	12	6	1	1	2	1	16	22	3	3·40	157
Brighton ...	9 9 9	32	43·7	33·5	38·6	–	51	1,21,22	25	17	–	44·9	2·84	101	·63	5	14	9	3	1	0	1	5	14	22	3	3·33	–
East Grinstead ...	9 9 9	440	42·5	28·9	35·7	–	52	22	19	17	–	43·8	3·09	–	·62	21	12	10	5	9	2	0	4	24	22	3	–	–
Seaford	9 9 9	45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Eastbourne ...	9 9 9	35	43·5	33·9	38·7	–2·6	52	1,22	26	17	40·9	47·0	4·31	133	·97	6	16	10	1	0	1	1	1	16	17	–	3·24	163
Eastbourne (C/guard)	21–9 9	17	43·6	33·5	38·5	–	54	22	25	14,17	–	–	3·68	–	·92	6	14	9	3	0	0	1	2	16	19	3	–	–
Hankham ...	9 9 9	68	43·5	31·0	37·3	–	53	22	22	14	40·1	44·5	4·16	–	·88	6	14	12	6	0	3	3	3	22	22	4	3·40	–
Bexhill	9 9 9	14	43·0	33·2	38·1	–2·5	51	1,21,22	25	11,17,25	40·4	–	3·50	123	·66	5	13	11	1	0	0	1	2	18	21	2	3·11	–
Sedlescombe ...	9 9 9	175	42·5	30·0	36·3	–	52	22	21	14	–	–	3·17	–	·56	5	14	11	6	2	0	0	2	24	21	3	–	–
Bodiam	9 9 9	73	43·3	29·7	36·5	–	54	22	21	17	38·7	44·8	3·11	–	·52	6	13	11	5	1	1	0	5	23	25	1	2·52	–
Hastings ¶§	9 9 9	149	42·9	33·4	38·1	–2·7	52	22	25	11	38·0	45·0	3·41	120	·60	5	13	11	7	0	3	2	1	18	19	3	3·18	157
Berkshire Abingdon ...	21–9 9	210	41·3	30·7	36·0	–	52	18,22	20	16	–	–	3·33	157	·62	6	18	12	7	0	0	0	6	21	22	0	2·62	–
Woolhampton ...	9 9 9	370	40·9	29·6	35·3	–	52	22	22	14,16	37·3	–	3·62	147	·81	21	14	11	6	8	2	0	6	24	23	0	–	–
Shinfield ... *	9 9 9	200	41·8	29·8	35·8	–3·3	51	21,22	20	17	–	–	2·36	–	·36	6	14	10	6	11	1	0	–	24	25	5	2·47	–
Reading ... *	9 9 9	148	41·8	30·7	36·3	–3·5	52	22	22	17	36·6	42·1	2·82	117	·47	21	17	11	–	4	–	–	–	22	25	–	–	–
Finchampstead ...	9 9 9	212	41·9	28·4	35·1	–	53	22,23	19	25	37·5	43·0	2·60	–	·40	21	18	9	6	8	0	0	6	24	21	0	2·53	–
Wokingham ...	9 9 9	200	42·0	28·8	35·4	–	52	22	20	16,17,25	39·2	44·6	2·37	–	·39	21	15	10	3	2	1	0	7	24	–	1	–	–
Hurley	9 9 9	140	41·6	29·4	35·5	–	52	22	19	17	37·2	–	2·82	–	·51	6	12	11	5	5	1	1	6	24	24	1	2·39	–
Hampshire Bournemouth ...	9 9 9	130	43·9	32·5	38·2	–3·8	53	22	24	14,17,25	39·1	44·0	3·69	104	·71	5	17	13	4	4	0	1	9	16	20	2	3·73	186
Christchurch ...	9 9 9	9	44·5	32·1	38·3	–	53	22	23	14,17	–	–	3·03	–	·69	5	12	10	4	1	1	2	2	21	21	1	–	–
Ringwood ...	9 9 9	250	43·4	30·9	37·1	–	52	22	21	14	37·8	45·2	4·06	–	·75	5	16	13	6	2	2	1	2	20	22	1	–	–
Everton (Efford)	9 9 9	51	44·0	32·4	38·2	–	51	1,21,22	24	14	–	–	3·00	–	·78	5	16	12	4	1	1	1	3	17	24	0	3·52	–
Southampton ¶§	9 9 9	65	44·8	31·7	38·3	–2·5	54	22	23	14	38·7	44·8	3·38	99	·63	5	17	14	6	4	3	2	8	19	22	2	3·16	182
Leckford... ...	9 9 9	385	41·1	29·8	35·5	–	51	22	20	17	38·7	–	2·28	71	·48	5	12	12	4	11	–	–	5	24	–	–	2·70	–
Winchester ...	9 9 9	124	42·6	28·9	35·7	–	52	22	20	17,25,26	–	45·0	3·74	114	·61	17	15	13	9	2	2	2	5	24	26	1	2·62	– S
Martyr Worthy ...	9 9 9	275	42·7	29·4	36·1	–	53	22	19	17	–	–	3·53	–	·52	17	13	10	4	10	0	0	2	21	21	2	2·78	–
Southsea ...	9 9 9	7	43·9	34·0	38·9	–2·9	52	22	26	14	39·0	44·7	3·23	105	·71	5	15	13	5	–	2	1	3	12	16	1	3·33	163
Hayling Island ...	9 9 9	13	43·7	33·4	38·5	–	51	1,21,22	25	14,25	–	–	3·17	–	·74	5	15	13	5	0	1	1	0	17	–	3	3·45	–
Long Sutton ...	9 9 9	512					50	22	14	17	–	–	3·00	90	·48	5	13	11	7	8	0	0	6					
Alice Holt Lodge	9 9 9	378	41·3	29·4	35·3	–	52	22	20	17	–	–	3·11	93	·50	21	15	12	4	6	0	0	5	24	25	1	2·04	–
S. Farnborough ...	21–9 9	226	42·0	29·4	35·7	–3·9	52	22	17	17	–	–	2·58	96	·48	5	15	9	7	2	0	2	6	21	20	0	2·02	119
Blackbushe ...	21–9 9	325	41·0	30·7	35·9	–	53	22	21	14,16	–	–	2·65	–	·52	21	15	10	8	5	1	0	5	22	22	1	–	–
I. of Wight St. Catherine's Pt.	9 9 9	51	45·4	37·0	41·2	–0·4	51	2,21,22	30	12	–	–	3·19	95	·71	6	15	10	2	0	0	0	2	8	–	2	–	–
Ventnor Park ...	9 9 9	443	45·0	34·9	39·9	–	52	1	27	16	40·9	46·1	3·86	105	·90	5	15	13	4	0	0	1	3	11	14	0	3·71	–
Shanklin	9 9 9	180	44·0	33·5	38·7	–	52	1,5,22	24	14	–	–	4·24	–	1·11	5	16	14	6	1	3	1	4	15	–	2	3·59	–
Sandown ...	9 9 9	13	45·4	34·8	40·1	–2·0	53	1,5,6	27	16,25	–	–	3·43	98	·82	5	15	11	5	0	2	1	3	13	–	2	3·50	166
Ryde	9 9 9	15	44·5	34·8	39·7	–2·1	53	21,22	27	17	–	–	3·61	105	·85	5	16	14	5	1	2	1	1	11	–	4	2·74	139
Wiltshire Lacock (Lackham)	9 9 9	160	41·7	29·3	35·5	–	52	18,21	20	16,17	–	–	3·90	–	·55	6	19	13	5	8	–	–	5	23	–	–	–	–
West Lavington	9 9 9	305	42·8	29·4	36·1	–	54	19	20	16,25	–	–	4·88	160	·99	21	17	15	8	4	1	0	4	24	–	0	–	–
Lyneham ...	21–9 9	457	39·7	30·4	35·1	–	51	18	17	16	–	–	4·44	159	·70	21	18	14	8	13	0	0	9	22	22	1	2·62	–
Larkhill	9 9 9	431	41·3	29·1	35·2	–3·5	51	18,22	18	14,15	–	–	4·92	176	·95	21	19	13	9	10	0	1	3	24	25	0	–	–
Boscombe Down	21–9 9	414	41·2	31·1	36·1	–	51	22	20	14	–	–	4·78	165	·93	1	17	13	8	11	0	1	4	21	22	1	2·98	–
Upavon	21–9 9	578	40·4	30·6	35·5	–	51	22	21	14,16	–	–	4·73	–	·91	21	17	14	9	11	1	1	5	23	22	0	–	–
Porton ... ¶§	9 9 9	362	41·4	29·2	35·3	–3·2	51	18	16	17	37·9	–	4·83	163	·85	21	17	13	9	9	1	1	3	25	23	2	3·04	165
7a ENGLAND, N.W.																												
Cumberland Sellafield ...	9 9 9	43	42·4	31·4	36·9	–	51	19	23	14	–	–	2·54	60	·75	16	13	10	1	2	–	–	0	19	23	–	3·11	–
Silloth	21–9 9	25	38·3	27·6	32·9	–	52	1	16	16	–	–	1·53	44	·26	21	13	10	5	3	0	0	4	24	24	1	2·66	–
Keswick ... ¶§	9 9 9	254	39·6	27·5	33·5	–6·1	49	19	18	16	34·8	43·2	4·00	60	1·25	19	12	11	–	–	–	–	–	22	25	–	2·02	196 S
Newton Rigg ...	9 9 9	560	38·3	26·1	32·2	–5·0	48	19	14	16	–	–	2·55	65	·54	1,21	10	9	2	10	0	0	2	23	25	0	2·48	194 S
Westmorland Ambleside ...	9 9 9	151	39·6	25·8	32·7	–	48	19	16	16	–	–	4·57	50	1·05	1	15	12	7	16	2	0	3	24	–	0	2·51	–
Moor House ...	9 9 9	1840	33·3	22·5	27·9	–	44	19,28,29	7	6,7	34·3	–	4·69	–	1·60	1	14	14	7	26	0	0	1	28	28	1	2·43	–
Lancashire Barrow-in-Furness	9 9 9	55	40·3	31·4	35·9	–	48	1	23	11,14,16	–	–	3·18	–	·50	3	15	13	6	16	4	0	8	18	–	1	–	–
Squires Gate ...	21–9 9	33	40·1	30·8	35·5	–	50	19	16	16	–	–	3·15	99	·83	21	14	12	9	5	1	2	8	20	23	0	2·58	–
Urswick	9 9 9	130	40·4	27·3	33·9	–	47	1,19	14	10	–	–	3·08	–	·59	21	14	12	6	13	1	0	5	23	–	0	–	–
Poulton-le-Fylde	9 9 9	38	40·6	27·9	34·3	–	51	19	16	16	–	–	3·44	–	·83	21	17	11	3	11	3	0	8	21	–	0	–	–
Speke	21–9 9	80	40·0	32·7	36·3	–	51	19	25	14,16,26	–	–	2·93	–	·52	6	17	14	8	6	7	1	11	18	22	1	1·70	–
Kirkham ...	9 9 9	77	40·6	28·4	34·5	–	51	19	16	16	–	–	2·90	94	·96	21	15	11	8	8	1	1	7	23	24	0	2·65	–
Garstang ...	9 9 9	68	41·0	27·9	34·5	–	50	19	11	11	–	–	2·80	–	·79	21	14	10	3	5	0	0	4	23	24	0	2·14	–
Morecambe ...	9 9 9	24	39·4	30·0	34·7	–4·6	50	19	18	17	–	–	2·44	64	·71	21	14	12	2	3	0	0	4	21	–	0	2·88	199
Preston (Moor Pk.)	9 9 9	108	40·8	27·6	34·2	–	51	19	13	11	–	–	2·61	69	·68	21	17	11	9	11	3	1	9	23	24	1	–	–
Bolton	9 9 9	352	39·3	27·0	33·1	–5·4	49	19	15	16	35·5	40·1	3·03	63	·78	17	17	12	5	20	1	1	11	24	22	1	1·93	261 S

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																												
Lancashire— cont.	Darwen	9 9 9	724	39·5	29·1	34·3	-3·2	47	19,20	22	11,16	35·7	-	2·85	49	·60	21	10	10	8	6	2	1	2	24	25	0	-	-
	Stonyhurst ¶§	9 9 9	377	39·2	28·5	33·9	-4·3	49	19	16	17	-	-	3·18	64	·70	21	15	13	6	16	2	2	2	22	24	0	2·83	226
	Helmshore ...	9 9 9	854	38·3	29·1	33·7	-	47	19	15	16	-	-	3·94	-	·81	1	15	13	6	7	3	3	3	20	25	0	2·99	-
	Burnley	9 9 9	458	38·5	26·5	32·5	-5·2	49	19	10	11	36·6	42·1	3·19	68	·67	1	14	12	7	18	1	0	6	22	25	0	-	-
	Nelson .., ...	9 9 9	540	38·2	26·6	32·4	-	49	19	11	16	35·3	41·7	3·30	71	·70	1	13	12	6	16	·3	0	6	22	23	0	1·45	- S
	Rochdale ...	9 9 9	362	39·5	26·3	32·9	-	50	19	16	10,11	-	-	3·55	-	·93	17	12	10	6	4	1	1	13	23	24	1	1·44	-
Cheshire	West Kirby Park	9 9 9	17	41·4	32·2	36·8	-	51	19	23	16,17	-	-	3·66	-	·62	21	15	13	5	7	3	0	-	19	22	0	1·81	-
	Bidston Obs'y. ¶§	9 9 9	198	40·5	33·0	36·7	-3·3	50	19	22	16	-	-	3·14	123	·67	6	18	12	6	9	0	0	12	13	14	0	2·45	153
	Wallasey ...	9 9 9	57																										
	Northwich(Winnington)	9 9 9	65	40·0	31·0	35·5	-	52	19	23	15,16	-	-	2·84	97	·58	6	14	11	9	13	7	3	8	21	22	1	-	-
	Manchester Airport ¶§	21-9 9	248	40·0	30·5	35·3	-3·6	51	19	18	11	-	-	2·78	93	·67	1	18	10	11	11	2	2	8	21	23	0	2·28	226
	Macclesfield ...	9 9 9	500	39·2	28·6	33·9	-3·8	49	19	16	16	-	-	2·69	80	·59	17	14	10	12	18	4	1	7	21	-	3	-	-
7b	NORTH WALES																												
Flint	Rhyl	9 9 9	31	43·4	34·0	38·7	-2·8	54	19	23	16	-	-	3·93	156	·73	21	19	16	8	3	7	1	2	12	14	0	2·03	120
	St. Asaph ...	9 9 9	75	42·7	33·1	37·9	-	53	19	23	14	-	-	3·99	-	·70	21	21	14	1	3	-	-	2	16	29	-	-	-
	Prestatyn ...	9 9 9	12	43·1	33·1	38·1	-	54	19	24	14,15,28	-	-	4·09	150	·79	21	20	17	3	6	1	1	2	15	-	1	1·78	-
	Hawarden Bridge	9 9 9	17	40·7	31·1	35·9	-4·2	51	19	19	16	-	-	4·01	158	·70	6	18	15	9	6	5	1	8	17	-	0	-	-
Anglesey	Holyhead (Valley)	21-9 9	26	43·7	35·5	39·6	-3·4	51	1	27	16,26	-	-	4·35	121	·63	21	19	17	7	3	8	1	2	10	14	2	2·68	151
Denbigh	Colwyn Bay ...	9 9 9	118																										
	Alwen	9 9 9	1100	40·5	26·9	33·7	-	50	1	10	16	-	-	6·90	-	1·05	1	25	20	-	-	-	-	-	24	24	-	-	-
	Bwlchgwyn ...	9 9 9	1267	37·6	29·2	33·4	-	49	28	21	11,14,15	37·2	-	6·29	-	·88	1	22	20	13	21	2	0	3	23	23	2	-	-
	Ruabon	9 9 9	312	41·1	29·6	35·3	-	52	29	18	14,16	-	-	4·65	-	·69	6	20	18	14	14	9	0	7	20	21	0	2·17	- S
	Wrexham ...	9 9 9	275	41·2	30·4	35·8	-	50	19	18	16	36·3	41·4	4·02	-	·60	6	18	16	10	13	1	0	9	18	26	0	-	-
Caernarvon	Bryn Adda ...	9 9 9	275	43·5	34·7	39·1	-	52	18,19	28	11	-	-	5·32	-	·85	21	21	18	8	5	9	1	1	13	22	4	2·36	-
	Aber	9 9 9	60	45·3	35·7	40·5	-2·4	55	18,19	29	26	-	-	5·10	117	·71	6	21	15	10	0	10	0	1	7	18	0	1·35	135 S
	Llandudno ¶§	9 9 9	13	44·4	35·9	40·1	-2·6	54	18,19	27	14,16	-	-	4·65	158	·80	30	17	15	9	3	7	1	1	7	-	1	2·10	127
Merioneth	Harlech	21-9 9	754	40·5	34·9	37·7	-	54	27	28	11	-	-	7·15	-	1·24	21	23	17	9	13	3	0	2	13	20	0	-	-
	Blaenau Ffestiniog	9 9 9	750	41·5	33·0	37·3	-	52	27	25	16	-	-	8·44	-	1·22	21	20	18	12	17	4	0	5	18	-	0	1·77	-
	Corwen	9 9 9	473	40·7	27·5	34·1	-	52	19	9	14,15	-	-	5·54	-	1·05	1	21	18	11	17	1	0	-	22	20	-	-	-
Montgomery	Lake Vyrnwy ...	9 9 9	995	38·8	29·1	33·9	-	50	29	19	14	-	-	7·47	92	1·98	1	22	17	14	21	5	0	1	21	26	2	-	-
8a	SOUTH WALES																												
Cardigan	Aberporth ...	21-9 9	376	43·5	36·6	40·1	-	51	19	25	16	-	-	4·65	100	·74	6	21	16	8	0	9	0	2	9	15	3	2·33	-
	Aberystwyth ...	9 9 9	12	43·8	34·3	39·1	-	52	18,19	24	16	-	-	3·77	-	·63	6	20	18	3	0	5	0	4	13	-	6	2·37	134
	,, P.B.S.*	9 9 9	452	42·5	33·9	38·2	-	51	18,19	25	16	-	-	4·28	-	·67	6	21	17	7	8	4	0	2	13	18	1	2·27	129
	Gogerddan ...	9 9 9	103	43·7	31·9	37·8	-	52	18,19	21	16,25	-	-	4·54	113	·66	6	18	17	8	7	5	0	0	19	20	0	2·11	- S
	Swyddffynnon ...	9 9 9	540	40·9	30·2	35·5	-	52	29	16	16,25	-	-	5·66	-	·78	2	20	19	7	13	8	0	1	18	21	0	-	-
	Trawscoed ...	9 9 9	200	42·8	31·1	36·9	-	53	29	17	25	-	-	5·46	112	·54	6	20	19	6	10	1	0	0	17	17	0	1·87	-
	Llety-evan-hen ...	9 9 9	950	40·1	33·1	36·6	-	50	29	27	11,15,16	-	-	5·76	-	·70	6	20	16	8	10	2	0	3	15	18	0	2·41	-
Pembroke	Dale Fort ...	9 9 9	109	45·5	38·3	41·9	-	51	1,19	28	14	-	-	3·38	-	·64	6	18	15	2	0	5	0	1	3	12	2	2·96	-
	Brawdy	9 9 9	360	43·9	35·7	39·8	-	54	19	27	14	-	-	3·78	-	·76	17	16	13	4	0	4	0	4	7	12	5	2·77	-
	Milford Haven ...	9 9 9	179	44·6	36·2	40·4	-	52	19	25	14	-	-	3·56	-	·58	6	17	14	3	0	6	0	5	7	-	2	3·15	-
	Haverfordwest ...	9 9 9	131	44·6	34·8	39·7	-2·3	52	19	20	16	-	-	4·87	92	·86	6	19	19	-	8	-	-	5	10	-	-	-	-
Radnor	Llandrindod Wells ¶§	9 9 9	772	39·7	27·5	33·6	-4·4	50	19	8	16	-	-	4·83	106	·80	1	16	16	10	20	0	0	2	23	-	0	2·25	167
Brecknock	Llwynon ...	9 9 9	860	40·9	29·5	35·2	-	50	30	19	14	-	-	7·96	-	1·06	19	21	15	10	10	1	0	2	22	-	2	-	-
Glamorgan	Mumbles Head ...	21-9 9	117	43·9	36·3	40·1	-	51	1	28	16	-	-	-	-	-	-	-	-	5	1	2	0	3	4	11	3	-	-
	Swansea	9 9 9	27	44·6	35·0	39·8	-2·5	51	1,19	27	16	39·0	46·0	4·99	105	·74	17	21	18	4	3	0	0	2	13	15	0	-	-
	Port Talbot ...	9 9 9	24	44·6	35·2	39·9	-	52	18,19	23	16	-	-	4·89	-	·75	17	18	16	3	1	0	0	2	11	16	-	2·33	-
	Neath	9 9 9	153	44·2	34·9	39·5	-	51	1,18,30	24	16	-	-	5·91	-	1·21	17	21	16	6	2	1	0	2	12	20	1	-	-
	Rhoose	21-9 9	220	42·2	33·5	37·9	-	51	18,19	20	16	-	-	3·56	96	·88	5	17	11	7	5	2	0	4	19	20	3	2·73	-
	Cardiff ... ¶§	9 9 9	202	42·6	32·6	37·6	-3·0	50	1,18,22	24	16,17	39·9	45·4	4·78	104	·79	21	21	13	4	-	1	0	4	18	22	4	2·58	155
Monmouth	Tredegar ...	9 9 9	1028	39·5	30·3	34·9	-	48	30	19	14	-	-	8·02	-	1·34	21	20	16	11	11	2	0	9	21	22	2	2·14	- S
	Newport	9 9 9	75	42·8			-	51	1,18			-	-	4·79	107	·98	17	18	11	4	2	0	0	3		-	0	2·54	-
	Usk	9 9 9	70		29·4		-	52	18,19	16	16	37·4	-	6·30	141	1·35	21	19	13	4	8	0	0	3	24	23	1	2·03	-
	Crumbland Plantation	9 9 9	804	39·5	31·2	35·3	-	49	18	22	14	36·6	41·5	5·91	-	1·18	21	19	15	8	11	0	0	9	22	22	1	2·98	-
8b	ENGLAND, S.W.																												
Somerset	Hawkridge (Liscombe)	9 9 9	1030	41·8	31·7	36·7	-	49	18,19,22	20	16	-	-	7·16	-	1·23	5	22	19	6	8	1	0	1	18	23	1	-	-
	Bickenhall ...	9 9 9	231	43·9	31·8	37·9	-	55	18	14	16	41·2	47·6	4·95	-	1·18	21	19	13	4	5	3	0	5	16	22	5	2·82	-
	Cannington ...	9 9 9	95	43·7	32·7	38·2	-	54	18,19	17	16	-	-	3·56	123	·72	1	16	10	2	3	1	0	6	14	15	0	2·60	-
	Weston-s.-Mare ...	9 9 9	28	43·5	33·6	38·5	-	53	18,19	19	16	-	-	3·14	104	·58	6	13	7	2	4	1	0	6	12	21	1	2·77	165
	Long Ashton ...	9 9 9	162	43·2	31·9	37·5	-3·0	54	18	20	16,17	38·6	-	3·93	114	·84	21	16	13	5	4	1	0	4	19	22	0	2·59	167
	Bath ... ¶§	9 9 9	67	42·6	31·2	36·9	-3·7	54	18	21	17	38·3	43·9	3·90	131	·66	21	16	14	4	4	1	0	6	23	22	2	2·07	132
Dorset	Portland Bill ...	21-9 9	35	45·8	40·0	42·9	-1·0	52	6	31	16	-	-	3·98	137	·89	5	16	10	2	0	0	0	1	3	-	5	-	-
	Weymouth ...	9 9 9	16	46·2	35·4	40·8	-1·9	53	18,22	25	17	-	-	4·53	142	1·00	5	16	13	3	1	0	0	1	10	-	2	3·43	169
	Shaftesbury ...	9 9 9	680	41·5	31·2	36·3	-2·6	49	6,19,22	21	14,16	-	-	4·71	137	·87	21	15	13	-	4	-	-	4	18	-	-	-	-
	Swanage	9 9 9	37	45·1	34·0	39·5	-	52	1,6,22	26	14	-	47·5	3·95	-	·89	5	17	12	2	-	0	0	6	16	17	2	3·54	-
	Poole	9 9 9	18	44·2	31·4	37·8	-	52	1,22	22	25	-	-	3·70	-	·74	5	16	12	2	5	0	0	6	22	-	1	3·41	-
Devon	Hartland Pt. ...	21-9 9	298	45·1	39·2	42·1	-	52	6,18,19	30	16	-	-	4·35	-	·87	5	18	14	4	0	8	1	1	4	9	4	2·65	-
	Plymouth (Mt. Batten)	21-9 9	87	46·1	36·6	41·3	-2·6	53	5,6,19	25	10,16	-	-	4·68	108	1·12	5	19	15	7	2	4	0	3	11	19	2	2·23	121
	Plymouth (The Hoe)	9 9 9	119	46·3	36·1	41·2	-2·4	53	22	27	10,16	41·5	46·6	4·81	112	1·10	5	20	15	5	1	2	1	4	10	14	4	2·23	119
	Tavistock ...	9 9 9	457	45·6	33·6	39·6	-2·1	51	5,6,20	23	10,16	-	44·6	8·04	-	1·52	17	20	19	-	0	-	-	3	14	21	-	-	-
	Chivenor ...	21-9 9	20	46·6	36·6	41·6	-	54	18,29	22	16	-	-	4·34	-	1·04	5	19	15	4	0	7	1	2	8	15	2	3·00	-
	Ilfracombe ...	9 9 9	25	46·4	38·2	42·3	-1·8	54	18	28	16	41·9	47·4	5·11	124	·95	5	18	14	2	0	5	0	0	5	16	3	2·49	165
	Princetown ...	9 9 9	1359	40·5	32·0	36·3	-	50	6	22	10,16	-	-	11·56	107	2·83	17	20	18	4	10	0	1	8	17	19	1	-	-
	**Totnes	9 9 9	120	47·0	32·4	39·7	-	54	6	21	16,17,25	41·1	45·8	7·24	129	1·20	17	19	16	6	3	2	0	3	17	21	2	2·50	-
	†Newton Abbot ...	9 9 9	272	45·9	34·9	40·4	-1·5	52	5,6,22	25	17	-	-	6·27	133	1·28	21	19	14	3	2	1	0	2	9	18	2	2·88	152
	Paignton... ...	9 9 9	8	47·2	34·8	41·0	-	54	6,19,22	25	16,17	-	-	5·46	121	1·14	21	22	14	3	2	3	1	1	12	19	0	2·59	140
	Torquay	9 9 9	26	46·9	35·9	41·4	-2·0	52	6,18,22	27	17	-	45·4	5·61	137	1·12	21	18	13	2	2	2	0	1	12	18	6	3·01	155
	Teignmouth ¶§	9 9 9	20	46·9	36·8	41·9	-1·8	54	18,19,22	27	17	-	-	5·05	134	·85	21	19	14	3	1	2	0	2	7	14	2	2·78	140

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JANUARY, 1959

District, County and Place		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																													
Devon—cont.	Starcross... ...	9 9 9	29	46·1	33·8	39·9	–	54	5	23	17	–	–	4·52	–	·85	21	18	13	3	1	1	0	4	15	21	1	2·57	–
	Exmouth ...	9 9 9	195	45·3	34·0	39·7	–2·5	53	22	23	14	–	–	4·74	133	·86	21	19	13	3	2	0	0	1	14	–	0	2·78	146
	Exeter	21–9 9	106	45·0	33·7	39·3	–	54	18	21	17	–	–	3·78	100	·83	5	15	12	7	3	4	0	2	18	19	2	2·65	–
	Uffculme... ...	9 9 9	400	44·2	32·0	38·1	–	53	18	15	16	–	–	5·35	–	1·05	21	17	15	3	5	–	–	3	18	–	–	2·80	–
	Sidmouth ...	9 9 9	25	46·5	34·1	40·3	–2·2	53	5,7,22	26	10,16,25	–	–	4·86	–	1·12	5	14	14	2	1	1	0	0	15	20	1	2·54	–
Cornwall	St. Mary's, Scilly	21–9 9	158	48·3	42·8	45·5	–0·8	53	5,18,19	35	10	–	–	4·46	126	1·19	5	21	17	0	0	0	0	1	0	–	4	2·04	1068
	Penzance ...	9 9 9	62	49·3	39·2	44·3	–1·2	54	6,20	26	16	–	–	7·10	142	1·67	5	23	18	0	0	5	0	1	6	–	1	2·23	121
	Gulval	9 9 9	50	48·8	39·7	44·3	–0·5	54	6,19	29	16	–	–	7·08	–	1·74	5	22	16	–	0	1	–	2	4	–	–	2·00	110
	Camborne (Rosewarne	9 9 9	250	47·0	38·9	42·9	–	53	5,6,19	29	10,16	–	–	5·84	–	1·13	5	21	18	3	0	6	0	1	3	9	2	1·94	–
	Constantine ...	9 9 9	310																										
	Falmouth ¶§	9 9 9	167	48·0	38·5	43·3	–1·2	54	19	29	16	–	–	7·39	142	1·47	5	21	17	3	0	3	1	2	5	13	0	2·33	124
	Newquay ...	9 9 9	176	47·0	38·1	42·5	–1·4	54	19	28	16,17	–	–	5·17	136	1·03	5	21	17	0	–	5	1	–	6	–	2	2·22	122
	St. Mawgan ...	21–9 9	337	46·0	37·7	41·9	–	53	19	26	16	–	–	5·36	–	1·27	5	21	17	4	0	9	2	2	8	7	2	2·21	–
	St. Austell ...	9 9 9	310	46·3	37·2	41·7	–	53	6	28	10	–	–	7·34	130	1·65	5	20	18	0	0	2	0	1	7	–	0	–	–
	Fowey	9 9 9	51	48·0	37·7	42·9	–1·3	53	5,18,19	27	16	–	–	5·36	–	1·26	5	20	16	3	1	3	1	1	8	–	2	–	–
	Bude	9 9 9	50	47·8	35·8	41·8	–1·5	55	19	23	16	–	–	4·22	114	·99	5	18	15	1	0	4	0	6	11	–	5	2·64	144
	Ellbridge ...	9 9 9	190	45·7	34·1	39·9	–	53	6,18	24	10,11,16	–	–	6·28	–	1·22	5	19	16	4	0	4	0	1	13	16	1	2·42	–
NORTHERN IRELAND																													
Londonderry	Ballykelly ¶§	21–9 9	3	41·4	31·8	36·6	–4·5	51	19	20	15,16	–	–	2·28	67	·67	1	18	12	13	13	10	1	1	21	24	1	2·63	177
	Garvagh ¶	9 9 9	121	39·9	28·9	34·4	–4·8	48	19,29	18	15,25,26	37·5	–	2·94	71	·51	1	20	15	16	16	8	0	4	22	25	1	–	–
Antrim	Aldergrove ¶§	21–9 9	217	40·1	29·9	35·0	–4·7	51	19	17	15,16	–	–	1·97	54	·42	1	16	15	13	10	4	0	2	23	25	1	2·65	189
	Nutts Corner ...	21–9 9	338	40·1	30·1	35·1	–	51	19	15	16	–	–	2·02	–	·41	1	17	13	12	14	2	0	3	22	28	0	–	–
	Parkmore Forest	9 9 9	779																										
Down	Hillsborough §	9 9 9	388	40·3	30·9	35·6	–	51	19	22	16	38·2	–	2·05	–	·38	6	17	11	8	13	0	0	3	19	23	0	2·58	178
	Kilkeel	21–9 9	59	43·4	35·4	39·4	–	49	17,19,29	27	14	–	–	2·81	–	·61	20	16	13	3	0	0	0	0	14	13	1	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	42·2	32·1	37·1	–	51	20	21	16	–	–	1·90	–	·31	6	18	10	9	10	1	0	10	18	–	0	–	–
Armagh	Armagh ... ¶§	9 9 9	205	41·9	30·3	36·1	–4·1	51	19	21	16	35·9	41·6	2·20	67	·53	1	15	11	7	13	0	0	3	19	22	1	2·67	176
	Loughgall ...	9 9 9	91	41·6	28·0	34·8	–	51	18,19	19	26	–	–	1·61	–	·47	1	13	10	8	5	2	1	–	24	27	0	2·58	–
Fermanagh	Ely Lodge ...	9 9 9	200	40·5	28·0	34·3	–	49	18,28,29	13	16	36·9	43·9	2·45	–	·80	1	15	14	8	10	2	1	4	22	24	0	–	–
CHANNEL ISLES																													
Guernsey	States Airport ...	9 9 9	340	46·1	39·0	42·5	–	52	1,5,6	34	10,16,17	42·3	47·5	5·14	139	1·27	5	20	17	4	0	8	1	0	0	4	2	3·14	–
Alderney	States Airport ...	9 9 9	288	46·0	38·0	42·0	–	52	5,6,22	32	25	43·6	–	4·67	–	1·04	5	16	15	1	0	4	2	0	1	–	6	2·81	–
Jersey	Jersey Airport ...	9 9 9	273	46·4	38·1	42·3	–	53	22	32	25	–	–	4·79	132	·92	5	23	18	4	0	8	2	0	1	10	9	3·10	–
	St. Helier ...	9 9 9	28	47·4	39·2	43·3	–	53	5,6,22	32	30	–	–	4·36	131	·82	5	22	18	3	–	4	1	1	1	–	3	3·18	–

Table IV—Summary of Observations at Fixed Hours January, 1959

District, County and Place	Hour of Observation	Height of Barometer above Mean Sea Level	Mean Pressure: At Mean Sea Level	Mean Pressure: Difference from Average	Mean Temperature and Humidity: Dry Bulb	Mean Temperature and Humidity: Depression of Wet Bulb	Mean Temperature and Humidity: Vapour Pressure	Mean Temperature and Humidity: Relative Humidity	Cloud Amount (Oktas): Mean Amount	Cloud Amount (Oktas): No. of Observations: 0	1 2	3 to 5	6 7	8	9	Visibility: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																	
0 SCOTLAND, N.																									
Zetland Lerwick Observatory H	3	272	1005·9	–	33·1	1·1	5·7	89	5·5	1	6	6	9	7	2	0	0	1	1	0	2	3	6	10	8
	9	272	1006·5	+0·6	33·4	1·2	5·7	88	5·9	0	1	9	17	3	1	0	0	0	2	0	0	6	4	10	9
	15	272	1006·7	–	33·5	1·2	5·7	87	5·6	0	2	12	9	6	2	0	0	1	2	0	0	6	6	8	8
	21	272	1006·8	–	32·9	1·4	5·5	85	4·8	0	4	14	8	5	0	0	0	0	0	0	0	2	7	13	9
	3	94	1007·1	–	35·1	1·4	6·0	86	4·7	1	11	3	9	7	0	0	0	0	0	1	0	5	7	17	1
Orkney Grimsetter.. H	9	94	1008·0	–	35·1	1·4	5·9	85	5·7	1	3	7	13	7	0	0	0	0	0	0	0	6	8	14	3
	15	94	1008·2	–	36·1	1·7	6·0	83	5·9	0	4	6	11	9	1	0	1	0	0	1	0	7	5	15	2
	21	94	1008·3	–	34·6	1·2	6·0	87	5·1	1	9	4	7	10	0	0	0	0	0	0	0	7	11	11	2
	3	121	1007·5	–	33·5	0·9	5·8	88	5·0	2	7	5	6	10	1	0	0	0	0	1	2	1	4	5	13	5
Caithness Wick .. H	9	121	1008·8	+2·1	33·5	1·3	5·6	86	5·8	1	3	6	15	6	0	0	0	0	0	1	1	5	5	12	7
	15	121	1009·0	–	34·7	1·5	5·8	84	5·8	0	4	5	16	6	0	0	0	0	0	1	0	6	9	8	7
	21	121	1009·0	–	33·4	1·0	5·8	89	5·1	2	6	6	7	8	2	0	0	0	0	2	0	0	5	7	13	4
	3	371	1008·2	–	37·9	1·2	6·9	89	5·9	0	1	12	9	9	0	0	0	0	0	0	0	3	0	7	21
Sutherland Cape Wrath ..	9	371	1009·1	–	37·2	1·3	6·7	88	6·2	0	1	6	14	8	2	0	1	1	0	0	0	2	1	7	19
	15	371	1009·1	–	37·8	1·5	6·7	87	6·4	0	1	6	15	8	1	0	0	1	0	1	0	1	1	8	19
	21	371	1009·4	–	37·2	1·2	6·7	89	6·0	1	0	11	12	6	1	0	0	0	1	0	0	2	3	6	19
	3	16	1009·5	–	35·2	1·2	6·2	87	3·7	3	12	4	5	7	0	0	0	0	0	0	0	5	8	17	1
Ross & Cromarty Stornoway H	9	16	1010·3	+4·6	36·0	1·3	6·4	87	5·5	0	4	10	9	8	0	0	0	0	0	0	1	4	11	9	6
	15	16	1010·1	–	36·9	1·3	6·4	84	5·4	0	3	11	12	4	1	0	0	0	1	0	0	9	8	7	6
	21	16	1010·7	–	35·2	1·2	6·2	88	3·9	1	12	7	7	4	0	0	0	0	0	0	0	7	5	15	4
	3	21	1009·9	–	36·2	1·2	6·5	87	4·5	2	8	6	8	6	1	0	0	0	1	0	0	1	3	4	10	12
Inverness Benbecula.. H	9	21	1010·5	–	36·7	1·3	6·5	87	5·4	0	6	6	15	4	0	0	0	0	0	0	1	4	5	10	11
	15	21	1010·0	–	38·3	1·8	6·7	84	5·4	0	5	9	11	6	0	0	0	0	0	0	0	7	7	7	10
	21	21	1011·1	–	36·5	1·6	6·3	85	4·7	0	10	7	5	9	0	0	0	0	0	2	0	4	7	7	11
1 SCOTLAND, E.																									
	3	19	1008·6	–	32·5	0·9	5·6	89	5·1	2	7	5	9	8	0	0	0	0	0	0	1	1	10	12	7
Moray Kinloss .. H	9	19	1009·4	–	33·2	1·5	5·5	84	5·5	1	4	5	19	2	0	0	0	0	0	0	1	6	8	11	5
	15	19	1009·3	–	36·0	1·8	5·9	82	6·0	0	3	5	18	5	0	0	0	0	0	0	0	5	13	7	6
	21	19	1009·6	–	33·2	1·4	5·6	86	5·3	1	5	7	10	8	0	0	0	0	0	0	0	3	2	10	14
	3	190	1008·5	–	31·1	0·7	5·4	90	4·3	3	11	3	5	8	1	0	0	0	0	1	0	2	6	12	10
Aberdeen Dyce .. H	9	190	1009·3	+0·6	32·0	1·2	5·4	87	4·9	0	6	10	10	5	0	0	0	0	0	1	3	9	8	9	1
	15	190	1009·1	–	34·9	1·4	5·8	84	4·5	1	10	3	11	4	2	0	1	1	0	0	4	8	8	7	2
	21	190	1009·4	–	30·9	0·9	5·3	89	3·3	5	11	4	8	3	0	0	0	0	0	2	3	12	10	4	0
	3	108	1006·5	–	34·4	1·1	6·0	89	5·4	0	2	13	14	2	0	0	0	0	0	0	1	3	21	6	0
Rattray Head ..	9	108	1007·4	–	34·9	1·1	6·1	88	6·1	0	1	3	27	0	0	0	0	0	0	0	0	3	16	12	0
	15	108	1007·6	–	36·6	1·3	6·4	86	5·6	0	3	9	14	5	0	0	0	0	0	0	0	3	13	15	0
	21	108	1007·2	–	35·3	1·6	6·0	85	5·0	0	3	14	11	2	1	0	0	0	0	1	0	3	16	11	0
	3	36	1009·1	–	31·8	1·4	5·2	83	2·3	11	11	2	3	4	0	0	0	0	0	4	4	2	2	13	6
Fife Leuchars .. H	9	36	1009·8	+0·3	31·9	1·2	5·3	84	4·3	0	11	9	7	3	1	0	1	0	1	2	1	3	3	9	11
	15	36	1009·9	–	37·3	2·5	5·8	75	4·5	2	9	5	11	4	0	0	0	1	1	2	12	2	5	7	0
	21	36	1010·0	–	32·5	1·6	5·2	82	2·8	12	6	5	4	4	0	0	0	0	2	3	1	7	3	11	4
	3	114	1009·9	–	29·6	0·9	5·1	88	3·2	11	7	2	4	6	1	0	1	1	0	4	6	6	7	5	1
Midlothian Turnhouse H	9	114	1010·6	–	29·4	0·8	5·1	88	4·1	0	9	11	8	3	0	0	0	1	0	1	4	7	9	4	5
	15	114	1010·1	–	37·2	2·2	6·0	79	4·6	2	5	9	10	5	0	0	0	0	0	1	4	7	4	9	6
	21	114	1011·0	–	30·9	1·0	5·3	87	3·6	8	8	3	6	6	0	0	0	0	1	0	6	5	10	7	1
6a SCOTLAND, W.																									
	3	34	1009·9	–	38·9	2·2	6·5	79	4·2	3	7	9	6	6	0	0	0	0	0	0	0	3	5	4	19
Argyll Tiree .. H	9	34	1010·6	+3·3	38·6	2·2	6·5	80	4·6	1	9	7	10	4	0	0	0	0	0	0	1	4	2	6	18
	15	34	1010·2	–	41·0	2·6	6·9	77	5·2	0	6	6	17	2	0	0	0	0	0	0	0	6	5	4	16
	21	34	1011·2	–	38·5	2·4	6·3	78	4·3	1	11	6	7	6	0	0	0	0	0	0	0	5	1	5	20
	3	122	1009·5	–	39·6	2·2	6·8	80	4·3	1	7	13	4	6	0	0	0	0	0	0	1	2	4	24	0
Rhuvaal H	9	122	1010·1	–	39·5	2·1	6·7	79	4·6	0	7	9	12	3	0	0	0	0	0	0	0	3	2	4	22
	15	122	1009·7	–	41·1	2·4	7·1	79	4·9	0	4	11	14	2	0	0	0	0	0	0	0	2	3	6	20
	21	122	1010·6	–	39·5	2·3	6·6	78	4·3	1	7	13	5	5	0	0	0	0	0	0	1	3	2	7	25
	3	29	1010·2	–	31·3	0·9	5·5	89	4·3	7	3	8	4	6	3	1	2	2	2	2	4	7	5	4	2
Renfrew Renfrew .. H	9	29	1011·0	+0·8	31·0	0·7	5·5	90	5·0	0	7	10	7	5	2	1	2	7	3	3	6	3	4	0	2
	15	29	1010·4	–	36·9	2·3	6·0	79	5·5	0	5	7	10	5	4	1	5	3	2	1	7	10	1	1	0
	21	29	1011·3	–	32·3	1·0	5·6	89	4·6	4	8	3	8	4	4	3	2	3	5	5	6	5	2	0	0
	3	33	1010·2	–	34·3	1·5	5·8	84	4·6	6	5	5	2	13	0	0	0	0	1	1	5	8	9	7	0
Ayr Prestwick Airport H	9	33	1010·9	–	33·6	1·6	5·6	84	4·6	0	9	8	9	5	0	0	0	0	0	1	6	5	6	6	5
	15	33	1010·3	–	39·9	2·9	6·3	74	4·8	1	5	12	8	5	0	0	0	0	0	1	3	3	9	9	2
	21	33	1011·2	–	35·0	1·7	5·8	82	4·2	6	6	5	9	5	0	0	0	0	0	1	0	11	10	7	1
	9	778	1010·8	−0·3	28·8	0·7	4·9	89	4·3	5	8	3	7	6	2	0	2	2	0	0	2	2	6	7	12
Dumfries Eskdalemuir H	15	778	1010·3	–	34·2	1·6	5·7	83	4·3	2	9	7	6	5	2	0	2	0	0	0	1	6	4	9	9
	21	778	1011·2	–	29·4	0·8	5·1	89	3·6	10	7	1	3	8	2	0	2	0	0	1	2	7	4	12	3
	3	260	1010·3	–	38·3	1·1	7·1	89	4·4	1	7	14	1	8	0	1	1	0	0	0	0	2	3	22	2
Wigtown Mull of Galloway H	9	260	1010·7	–	38·6	1·2	7·2	89	6·2	0	2	9	9	11	0	0	1	0	0	0	0	3	2	24	1
	15	260	1010·5	–	40·5	1·6	7·5	86	6·1	0	2	8	9	12	0	0	1	0	0	0	0	4	2	26	0
	21	260	1011·1	–	38·5	1·3	7·0	87	4·4	0	10	12	2	7	0	0	1	1	0	0	1	2	1	23	2
6b ISLE OF MAN																									
	3	31	1010·1	–	40·2	1·8	7·2	84	4·5	3	8	6	6	7	1	0	0	1	1	0	0	3	2	18	6
Isle of Man Point of Ayre ..	9	31	1010·6	–	39·7	1·5	7·3	83	5·1	0	7	7	10	7	0	0	0	1	1	0	1	2	4	16	6
	15	31	1010·4	–	42·1	2·2	7·5	81	5·3	0	6	6	14	5	0	0	0	0	0	1	1	2	2	19	6
	21	31	1010·8	–	40·0	1·6	7·2	84	3·3	3	14	5	2	7	0	0	0	0	1	0	1	3	3	15	8
	3	68	1010·7	–	38·8	1·6	6·9	85	4·7	2	10	4	4	10	1	0	0	1	0	0	1	1	5	7	9
Ronaldsway H	9	68	1011·2	–	38·9	1·6	7·0	86	5·9	0	2	9	11	8	1	0	0	0	0	1	1	3	3	8	5
	15	68	1010·9	–	41·5	2·1	7·3	80	5·5	0	5	8	12	6	0	0	0	0	1	0	3	2	10	8	7
	21	68	1011·5	–	38·7	1·7	6·9	85	4·1	3	10	6	5	6	1	0	0	1	0	0	4	2	6	9	6
2 ENGLAND, N.E.																									
	3	142	1009·1	–	32·0	1·1	5·4	85	2·5	14	6	3	4	4	0	0	0	0	2	2	0	9	11	6	1
Northumberland Acklington H	9	142	1009·5	–	32·5	1·3	5·5	87	3·9	1	14	4	7	5	0	0	0	0	1	3	1	4	2	12	6
	15	142	1009·7	–	36·5	2·0	5·9	80	4·5	1	11	3	10	5	1	0	0	0	1	1	6	0	4	7	9
	21	142	1010·1	–	33·0	1·3	5·5	85	3·8	6	6	8	5	6	0	0	0	0	1	0	2	3	0	7	18

Wind, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	4	6	13	7	1	8	4	3	0	0	2	4	9				
1	3	5	10	12	1	11	2	2	0	0	4	3	8				
3	3	6	13	6	3	14	4	2	0	0	3	2	3				
3	5	12	10	1	0	13	3	4	1	0	4	1	4				
2	3	14	10	2	0	8	3	1	0	2	4	4	7				
1	8	13	9	0	0	8	2	3	0	3	4	5	6				
1	6	12	12	0	0	9	2	2	1	3	2	5	7				
1	5	11	12	2	0	10	1	2	1	3	3	5	4				
0	5	12	13	1	0	8	0	1	0	4	2	8	7				
0	4	11	14	2	0	7	3	1	1	5	2	7	3				
1	6	9	15	0	0	7	1	1	2	5	1	6	8				
0	4	15	11	1	0	9	3	1	0	3	2	10	2				
0	4	13	13	0	0	12	2	3	2	4	0	6	2				
0	5	13	12	0	0	11	2	3	1	6	1	4	3				
0	6	12	13	0	0	11	1	6	1	5	1	0	6				
0	7	11	12	1	0	12	0	5	1	1	2	3	6				
0	4	12	13	2	0	8	2	0	1	4	3	2	9				
0	8	13	10	0	0	11	2	0	3	4	5	3	3				
0	5	13	13	0	0	9	3	3	0	5	1	5	7				
0	4	14	10	3	0	5	2	2	0	5	3	4	7				
0	4	9	13	5	0	10	1	0	2	8	0	2	3				
0	3	13	15	0	0	8	5	0	4	7	0	4	3				
1	4	13	12	1	0	10	6	0	1	6	2	2	3				
0	4	9	16	2	0	3	6	1	1	7	1	3	7				
0	1	12	17	1	0	3	0	1	1	4	9	7	5				
0	1	14	15	1	0	3	2	1	0	4	11	4	5				
0	1	10	19	0	0	6	1	4	1	1	8	6	4				
0	4	10	16	1	0	3	0	2	0	4	10	3	8				
0	2	10	14	5	0	2	0	0	0	2	2	7	13				
0	2	12	12	5	1	0	0	1	0	2	2	6	14				
0	4	10	10	7	3	0	0	0	0	4	0	7	10				
0	2	10	11	0	0	5	2	2	0	5	3	11	6				
0	9	10	11	0	0	5	3	1	0	6	3	9	3				
0	5	15	8	1	0	6	3	1	0	5	0	4	5				
0	0	7	19	5	0	1	0	1	0	7	13	4	4				
0	0	4	23	4	0	2	0	0	0	1	4	18	2				
0	1	9	15	6	4	1	0	2	2	4	9	3	6				
0	2	4	21	4	2	0	0	1	2	1	15	6	9				
0	0	8	10	13	1	1	0	2	1	3	9	1	1				
0	0	5	16	10	1	1	0	1	2	12	3	1	1				
0	1	0	7	17	6	4	1	0	2	1	4	9	4				
0	1	5	14	11	1	1	2	0	1	1	8	6	6				
0	5	18	7	1	11	3	0	4	6	1	2	3	3				
0	6	13	9	3	11	3	2	2	7	1	0	2	2				
1	10	9	8	3	11	2	2	4	3	3	2	1	1				
0	8	12	10	1	11	4	2	4	4	1	1	3	3				
0	1	6	24	0	7	4	1	5	6	2	3	3	3				
0	1	7	21	2	9	3	3	3	6	3	1	1	1				
0	4	5	21	1	10	2	2	3	7	0	3	3	2				
0	1	6	22	7	8	1	6	2	3	0	5	2	0				
0	0	5	11	15	0	0	1	2	1	5	7	0	0				
0	0	3	13	15	1	1	0	2	2	4	6	0	3				
0	0	8	11	11	1	0	2	1	3	1	9	3	3				
0	0	3	14	14	0	1	2	0	3	2	8	1	2				
0	0	9	20	2	2	4	3	5	4	1	2	7	4				
0	0	5	24	2	2	3	6	6	4	2	2	9	6				
0	1	10	20	0	0	1	9	6	4	2	2	2	9				
0	1	8	20	2	1	6	7	2	4	1	2	6	4				
0	0	7	13	11	7	0	0	3	2	4	4	4	4				
0	1	5	15	10	4	3	0	0	4	2	4	4	4				
0	2	4	11	14	5	2	0	1	1	0	4	4	4				
0	0	3	22	2	0	5	15	11	0	7	1	4	1	6	1	3	8
0	1	4	14	11	6	1	2	2	3	2	4	1	2	6	1	1	8
0	0	3	24	1	0	6	14	11	0	9	1	6	1	6	2	2	4
0	0	7	17	9	0	5	17	9	0	9	1	6	1	6	2	2	4
0	1	5	15	10	4	3	0	0	4	2	4	4	4				
0	2	4	11	14	5	2	0	1	1	0	4	4	4				
0	0	3	14	14	0	1	2	0	3	2	8	1	2				
0	0	9	20	2	2	4	3	5	4	1	2	7	4				
0	0	5	24	2	2	3	6	6	4	2	2	9	6				
0	1	10	20	0	0	1	9	6	4	2	2	2	9				
0	1	8	20	2	1	6	7	2	4	1	2	6	4				
0	0	7	13	11	7	0	0	3	2	4	4	4	4				
0	1	5	15	10	4	3	0	0	4	2	4	4	4				
0	2	4	11	14	5	2	0	1	1	0	4	4	4				
0	0	3	22	2	0	5	15	11	0	7	1	4	1	6	1	3	8
0	1	4	14	11	6	1	2	2	3	2	4	1	2	6	1	1	8
0	0	3	24	1	0	6	14	11	0	9	1	6	1	6	2	2	4
0	0	7	17	9	0	5	17	9	0	9	1	6	1	6	2	2	4

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1959

District, County and Place	Hour of Observation	Height of Barometer above Mean Sea Level	Mean Pressure: At Mean Sea Level	Mean Pressure: Difference from Average	Mean Temperature and Humidity: Dry Bulb	Mean Temperature and Humidity: Depression of Wet Bulb	Mean Temperature and Humidity: Vapour Pressure	Mean Temperature and Humidity: Relative Humidity	Cloud Amount (Oktas): Mean Amount	Cloud Amount (Oktas): No. of Observations: 0	1 2	3 to 5	6 7	8	9	Visibility: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	Wind, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 4: 7	5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
2 ENGLAND, N.E.—*cont.*																																											
Northumberland—*cont.* Tynemouth H	3	130	1009·6	–	34·1	1·5	5·8	85	3·6	14	1	5	6	5	0	0	0	0	0	4	2	7	18	0	0	0	2	11	17	1	3	1	1	0	3	1	17	4
	9	130	1010·1	–1·2	33·8	1·2	5·8	87	4·8	3	2	12	8	5	1	0	0	1	2	6	10	6	10	15	1	4	1	0	0	3	3	15	4
	15	130	1010·0	–	37·6	2·0	6·2	81	4·7	5	4	7	8	7	0	0	0	0	0	2	7	7	10	5	0	0	1	1	15	14	0	6	1	0	0	4	4	11	5
	21	130	1010·3	–	35·5	1·5	6·0	84	3·1	12	6	3	6	0	0	0	0	0	0	2	5	6	9	2	0	0	0	2	13	16	0	5	0	2	0	1	3	13	7
Durham Middleton St. George H	3	118	1010·2	–	31·5	1·0	5·4	87	3·0	12	6	3	3	5	2	0	0	2	1	3	4	4	11	6	0	0	0	2	7	17	5	0	1	0	0	3	5	4	12
	9	118	1010·7	–	31·8	0·8	5·6	89	4·6	0	12	5	5	5	4	0	0	2	2	2	2	2	7	6	0	0	0	0	11	19	1	7	1	0	0	4	7	5	7
	15	118	1010·8	–	36·0	1·7	6·0	81	4·7	4	9	1	6	9	2	0	0	1	2	2	2	1	10	7	0	0	0	0	9	22	0	5	1	0	0	1	3	6	6	9
	21	118	1010·9	–	32·8	1·1	5·7	87	3·5	9	7	4	2	8	1	0	0	1	1	2	2	5	4	7	11	3	0	0	2	10	17	2	5	1	0	0	1	3	4	7	8
	3	131	1010·4	–	31·3	0·9	5·4	89	3·4	12	5	2	6	5	1	0	1	1	0	0	4	7	3	3	7	5	1	0	1	7	20	3	4	0	0	0	7	2	1	5	9
Yorks., N. Riding Dishforth H	9	131	1010·9	–	31·3	0·8	5·5	90	5·6	0	6	5	11	5	4	1	2	2	2	4	1	5	4	1	5	0	0	0	8	21	2	3	0	2	5	2	1	5	11
	15	131	1010·6	–	36·2	1·8	6·0	83	4·9	4	5	6	6	8	2	0	0	2	1	3	2	5	5	4	1	8	0	0	1	11	18	1	6	1	1	5	1	2	4	10
	21	131	1011·0	–	32·7	0·8	5·7	89	3·9	8	8	2	2	9	2	0	0	2	1	0	3	4	6	7	5	6	0	0	2	7	20	2	7	0	1	6	2	1	4	8
	3	69	1010·1	–	31·1	0·9	5·3	88	3·2	14	4	2	3	7	1	1	1	2	0	3	4	2	7	6	3	3	0	0	3	8	16	4	1	2	0	0	2	2	5	10	5
Yorks., E. Riding Driffield .. H	9	69	1010·5	–	30·6	0·8	5·4	89	4·9	1	5	12	4	6	3	1	2	1	0	3	1	2	9	6	3	3	0	0	3	14	7	8	1	0	0	0	3	2	7	10
	15	69	1010·4	–	36·3	1·8	6·1	83	5·2	3	4	6	7	9	2	1	1	1	0	1	1	7	7	6	5	3	0	0	2	12	12	5	2	2	0	1	4	1	5	11
	21	69	1010·7	–	31·8	0·9	5·5	89	3·7	6	10	3	4	7	1	0	0	1	1	0	1	7	3	8	5	0	0	0	2	14	7	8	1	1	1	0	3	2	8	8
	3	54	1010·1	–	36·1	1·0	6·5	89	2·5	16	3	4	4	4	0	0	0	0	0	1	1	4	22	3	0	0	0	5	20	4	2	6	2	1	0	3	3	5	9
Spurn Head H	9	54	1010·4	–2·5	35·4	1·1	6·3	88	4·8	2	3	11	9	2	4	0	0	0	0	1	1	5	19	1	2	0	0	2	18	11	0	6	0	3	0	2	6	4	10
	15	54	1010·3	–	38·0	1·4	6·8	87	4·1	4	6	10	7	4	0	0	0	0	0	0	2	9	15	0	0	0	0	2	15	10	0	6	2	1	0	2	6	3	11
	21	54	1010·6	–	37·1	1·1	6·7	90	3·9	11	2	5	3	7	3	0	0	0	0	0	1	0	18	0	0	0	0	1	3	19	6	2	8	2	1	1	2	5	2	8
	3	227	1011·1	–	32·8	0·8	5·9	94	3·7	11	4	3	4	5	4	1	4	1	1	3	2	5	7	7	2	0	0	0	1	10	21	0	3	0	0	2	5	8	10	3
Lincoln Waddington H	9	227	1011·6	–	32·3	0·9	5·8	92	4·5	4	8	3	10	2	4	0	0	1	1	4	6	9	5	1	0	0	0	1	7	23	0	2	0	0	2	5	10	8	4
	15	227	1011·2	–	35·9	1·1	6·4	88	5·2	5	3	5	8	6	4	0	0	7	0	1	1	3	7	9	2	1	1	0	0	9	20	2	1	1	0	2	4	3	9	6
	21	227	1011·6	–	33·6	0·7	6·1	91	4·3	7	6	4	4	8	2	0	0	0	1	3	3	7	7	11	6	0	0	1	0	2	9	19	1	2	1	0	2	6	4	9	5
	3	47	1010·6	–	32·9	0·8	5·9	91	3·3	10	6	4	6	5	0	0	0	0	0	1	0	3	5	12	6	3	0	1	0	1	15	12	3	1	1	0	1	4	6	7	8
Manby H	9	47	1011·0	–	32·1	0·9	5·6	89	4·9	3	7	2	13	5	1	1	0	0	0	2	1	4	3	11	6	3	0	0	0	1	14	15	1	3	1	0	0	1	7	3	9	7
	15	47	1010·8	–	37·1	1·6	6·5	83	4·6	3	7	6	9	6	0	0	0	2	0	1	1	7	9	7	3	1	0	1	1	13	15	2	1	1	1	1	7	3	5	10
	21	47	1010·9	–	33·5	0·6	6·1	91	3·9	7	7	5	2	10	0	0	0	1	0	0	6	11	9	4	0	0	0	0	2	11	16	2	2	1	1	1	7	1	7	9
3 ENGLAND, E.																																											
Norfolk Marham H	3	89	1011·2	–	32·3	1·0	5·9	92	3·7	11	4	3	3	9	1	0	1	1	4	1	3	14	5	2	0	0	2	13	12	4	1	3	0	3	4	3	8	5
	9	89	1011·8	–	32·0	0·9	5·6	89	4·9	5	5	3	6	9	3	0	3	0	2	4	3	7	7	6	3	0	0	1	13	14	3	2	1	0	3	6	5	6	6
	15	89	1011·4	–	37·4	1·4	6·7	87	5·8	3	4	2	8	10	4	1	2	1	0	4	3	10	7	2	1	0	0	2	13	15	1	3	1	1	2	3	4	4	7	7
	21	89	1011·5	–	34·2	0·7	6·4	92	4·2	11	2	3	2	12	1	1	0	1	1	2	4	3	3	14	5	1	0	0	3	16	10	2	3	1	2	3	4	4	7	5
	3	263	1010·7	–	32·8	0·6	6·1	93	3·3	13	3	4	4	7	0	0	0	1	1	4	2	3	13	7	5	0	0	0	1	16	11	3	0	3	0	2	4	6	9	6
West Raynham H	9	263	1011·4	–	32·0	0·7	5·9	92	4·6	5	8	1	9	7	1	0	3	1	2	4	3	7	7	8	5	0	0	0	3	12	15	1	1	2	0	1	2	5	11	5
	15	263	1011·0	–	36·7	1·2	6·7	87	5·8	2	4	1	16	5	3	1	2	1	1	3	2	5	9	5	1	0	0	1	13	15	1	1	1	1	1	4	5	6	7	8
	21	263	1011·1	–	33·8	0·6	6·4	93	4·3	11	3	2	0	11	4	0	0	0	0	3	2	5	16	8	6	0	0	0	2	9	19	1	2	2	0	1	2	6	1	7	6
	3	26	1010·9	–	35·4	1·1	6·4	90	3·6	13	3	0	3	10	2	0	0	0	0	1	0	2	10	7	3	1	0	0	2	13	16	0	3	0	1	1	3	2	6	10
Gorleston	9	26	1011·7	–3·0	34·1	0·9	6·2	91	4·5	4	9	2	6	7	3	3	1	0	0	2	0	1	17	5	2	0	0	0	4	5	22	0	1	3	1	0	1	7	4	8	10
	15	26	1011·4	–	38·3	1·6	6·7	85	4·8	3	5	6	9	6	2	1	0	0	0	2	0	1	20	3	0	0	0	0	3	12	16	0	2	0	1	0	2	5	0	17
	21	26	1011·5	–	36·1	1·0	6·5	88	4·0	11	5	1	0	13	1	0	0	0	0	2	0	1	22	3	0	0	0	0	6	5	20	0	3	0	0	1	3	3	1	14
	3	39	1011·4	–	33·4	0·9	6·0	91	4·1	12	2	1	4	10	2	0	0	0	0	4	4	4	10	5	2	0	0	0	0	8	19	4	4	0	0	1	3	5	4	8	4
Suffolk Mildenhall H	9	39	1012·1	–	32·3	0·8	5·8	91	5·3	3	5	4	10	4	5	0	0	0	0	4	5	2	9	8	1	1	0	0	0	9	18	4	2	1	0	0	2	4	9	5	8
	15	39	1011·6	–	38·5	1·8	6·7	84	5·4	3	3	7	6	9	3	0	0	0	0	3	3	5	12	6	1	1	0	0	1	7	20	3	3	1	0	0	2	7	3	5	8
	21	39	1011·7	–	34·5	0·8	6·4	92	4·7	10	2	1	2	13	3	0	0	0	0	2	1	7	9	4	1	0	0	0	1	6	20	4	3	1	0	1	4	3	4	9	9
	3	13	1011·5	–	35·6	0·8	6·5	92	3·7	12	2	5	2	9	1	0	0	0	0	1	1	4	15	2	0	0	0	0	0	15	14	2	3	0	1	0	2	3	6	9	6
Felixstowe.. H	9	13	1012·3	–3·0	34·6	1·0	6·2	91	4·6	4	5	7	7	6	2	1	1	0	0	1	2	4	9	4	1	0	0	0	3	14	12	2	2	1	0	1	2	3	6	9	5
	15	13	1011·9	–	39·2	1·8	6·9	84	5·1	5	3	5	9	7	2	1	0	0	1	0	2	5	11	2	0	0	0	0	2	15	12	2	1	1	1	1	3	5	4	6	8
	21	13	1011·9	–	36·9	0·9	6·8	91	4·4	11	2	2	1	13	2	1	0	0	1	2	2	7	9	11	0	1	0	0	2	15	13	1	3	0	1	2	2	6	1	8	8
	3	141	1011·6	–	32·4	0·7	5·8	90	3·8	10	6	2	2	6	5	1	1	5	0	0	2	3	4	13	2	1	0	0	0	13	15	3	3	0	1	2	3	6	1	8	8
Huntingdon Wyton .. H	9	141	1012·2	–	32·0	0·8	5·7	90	4·9	4	5	5	7	7	3	1	1	3	2	0	1	4	1	9	7	6	1	0	0	0	12	16	1	2	5	1	0	2	3	8	9	3
	15	141	1011·6	–	37·7	1·5	6·8	86	5·4	4	4	4	5	11	3	1	2	1	1	2	1	5	4	15	1	1	0	0	0	9	19	2	2	3	0	1	2	2	6	2	7	6
	21	141	1011·8	–	34·4	0·9	6·4	91	4·1	10	3	4	4	8	2	1	1	0	0	1	4	4	9	9	3	0	0	0	1	9	19	2	3	0	1	2	2	4	8	7	7
	3	96	1011·9	–	32·1	0·6	5·8	93	4·0	11	4	2	3	7	4	2	2	1	0	1	2	5	4	14	3	0	0	0	1	10	15	5	1	3	0	0	0	5	6	9	2
Bedford Cardington H	9	96	1012·6	–	31·9	0·6	5·7	91	4·8	1	9	4	10	4	3	1	2	1	0	2	3	3	13	6	0	0	0	0	2	6	14	9	0	3	0	2	0	7	5	6	1
	15	96	1011·8	–	38·0	1·4	6·8	86	5·4	4	4	3	7	10	3	1	2	1	0	2	3	8	13	4	0	0	0	0	1	8	16	6	1	2	3	1	0	6	5	6	1
	21	96	1012·1	–	34·2	0·7	6·3	92	4·5	11	2	1	2	13	2	0	0	1	1	0	1	8	7	15	4	0	0	0	0	7	15	7	1	2	3	2	1	0	7	3	7	1
	3	517	1012·2	–	31·6	0·5	5·8	93	4·0	12	2	3	2	9	3	1	1	3	0	0	1	4	8	7	5	2	0	0	0	14	10	7	2	2	2	1	0	4	3	6	7
Hertford Bovingdon H	9	517	1012·9	–	31·9	0·7	5·8	92	5·0	4	5	4	10	5	3	1	2	1	0	3	3	2	12	5	2	0	0	0	0	10	17	4	2	2	3	0	6	3	6	7	5
	15	517	1011·9	–	37·4	1·4	6·7	87	5·0	5	5	3	8	8	2	2	1	0	2	1	1	5	11	5	1	0	0	0	0	12	15	4	3	2	2	3	1	4	2	5	6	7
	21	517	1012·2	–	33·9	0·5	6·3	93	4·4	12	0	3	2	12	2	1	2	1	0	4	4	5	10	3	0	0	0	0	0	15	14	2	3	2	2	4	1	4	2	6	7	8
	9	12	1013·0	–2·7	35·0	1·4	6·0	85	4·7	2	9	4	6	7	3	2	1	1	0	1	0	5	1	2	20	4	0	0	0	0	12	18	0	3	0	1	2	4	5	10	7	6
Essex Shoeburyness H	15	12	1012·4	–	39·9	2·4	6·7	79	5·4	2	7	2	7	10	3	1	2	0	1	0	3	6	16	9	0	0	0	0	3	11	16	1	2	0	1	2	2	5	4	8	5	6
	21	12	1012·4	–	36·3	1·3	6·6	89	4·1	12	2	2	2	11	2	1	0	1	1	4	6	15	3	0	0	0	0	4	12	14	1	5	0	0	5	5	1	7	7				
4 MIDLAND COUNTIES																																											
Yorks, W.R. Huddersfield (Oakes) H	3	769	1011·2	–	32·7	1·8	5·2	82	4·2	7	7	3	4	10	0	0	0	1	0	1	0	4	3	11	7	4	0	0	0	1	5	24	1	2	5	0	2	2	2	5	6	8
	9	769	1011·8	–	33·6	1·0	5·8	88	4·2	7	6	3	6	9	0	0	1	0	2	7	11	2	8	3	0	0	0	0	1	7	20	4	3	0	1	6	2	2	1	6	7	8
	15	769	1011·2	–	36·0	1·6	6·2	84	4·2	6	6	5	5	9	0	0	0	0	1	3	5	13	6	3	0	0	0	0	1	4	25	1	3	0	2	1	6	12	2	7	7	2
	21	769	1011·8	–	33·3	1·1	5·8	88	3·7	10	3	6	4	8	0	0	0	0	2	3	3	14	3	1	0	0	0	2	4	24	1	2	4	1	0	2	1	0	7	8	6	7
	3	390	1011·4	–	32·0	0·7	5·8	90	4·4	9	3	5	2	6	6	1	0	6	0	0	3	2	10	6	0	0	0	0	0	6	21	4	3	3	2	1	0	1	4	8	7	4
Nottingham Watnall .. H	9	390	1011·5	–	32·0	0·8	5·7	90	4·8	3	7	3	9	6	3	1	0	3	0	1	5	7	6	8	0	0	0	0	0	6	23	2	4	2	1	0	1	1	5	11	4	2
	15	390	1010·7	–	37·7	1·9	6·4	82	4·4	7	5	5	3	11	0	0	0	0	1	5	8	5	8	9	0	0	1	0	0	4	25	2	4	1	2	3	1	0	4	4	5	7
	21	390	1011·4	–	33·8	0·7	6·2	91	4·0	13	1	2	4	9	2	0	1	2	0	2	8	10	0	0	0	0	0	0	0	4	21	6	3	2	0	0	3	0	1	3	4	9
	3	46	1010·9	–	32·3	1·0	5·6	89	3·0	16	2	3	3	5	2	0	1	1	2	2	6	9	9	1	0	0	0	0	0	4	21	6	3	2	0	0	3	0	1	4	5	7
Finningley H	9	46	1011·3	–	32·4	0·9	5·7	89	4·5	4	6	6	7	5	3	1	0	0	1	1	5	7	4	7	1	0	0	0	0	2	10	16	3	2	0	0	0	4	2	11	3	5
	15	46	1010·9	–	37·9	1·8	6·4	83	4·6	6	5	3	8	8	1	0	0	0	1	7	8	3	13	3	0	0	0	0	2	10	15	4	0	0	0	0	2	10	4	7	4	4
	21	46	1011·4	–	33·7	0·8	6·0	91	4·2	11	2	2	5	8	3	1	0	2	1	1	6	8	5	3	0	0	0	0	2	11	14	4	0	1	0	0	2	2	0	9	7	4
	9	109	1012·1	–	32·1	0·8	5·7	90	5·0	2	9	1	11	5	3	2	0	3	2	1	1	3	12	6	1	0	0	0	2	10	16	3	1	2	2	0	1	1	2	2	3	4
Langar H	15	109	1011·5	–	37·6	1·6	6·6	84	5·0	5	2	7	7	8	2	0	0	1	1	3	3	3	14	7	2	0	0	0	2	11	14	2	2	2	2	0	1	1	0	1	4	1
	21	109	1011·9	–	33·2	1·0	6·0	90	4·1	8	5	5	3	9	1	0	0	1	1	0	2	5	4	17	2	0	0	0	0	1	13	16	2	2	2	1	1	2	1	0	8	6
	3	219	1011·5	–	31·7	0·7	5·8	91	2·6	16	3	3	3	5	1	1	1	1	0	2	1	4	8	5	1	0	0	0	1	11	15	1	1	2	1	2	1	4	3	5	4	3
Northampton Wittering H	9	219	1012·0	–	31·6	0·8	5·7	89	4·5	5	7	4	8	5	2	1	1	4	3	3	5	7	8	9	1	0	0	0	1	17	12	1	4	3	3	4	1	0	6	3	9	4
	15	219	1011·1	–	37·0	1·3	6·6	87	5·1	5	4	5	7	8	2	1	1	3	0	3	3	7	8	6	1	1	0	0	2	14	13	2	3	1	1	0	2	1	4	4	11	6
	21	219	1011·7	–	33·2	0·7	6·2	92	3·7	10	5	4	3	6	3	0	2	0	3	3	8	12	2	1	0	0	0	2	17	12	2	4	4	1	1	2	2	2	1	5	5	7

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1959

| 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 | | | | | | | | | |

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1959

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																	
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)									DIRECTION													
																													Beaufort Force																			
																													8 or more	6, 7	4, 5	1 to 3	Calm															
																													Speed in knots																			
																													34 or more	22 to 33	11 to 21	1 to 10	0															
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%		0	1 to 2	3 to 5	6 to 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.	3–6 mi.	7–12 mi.	13–24 mi.	25 mi. or over									N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
7a	ENGLAND, N.W.—*cont.*																																													
			3	251	1011·3	–	32·9	0·8	5·9	90	4·7	7	3	6	3	9	3	0	3	1	1	6	7	7	6	0	0	0	1	9	18	3	1	4	2	3	12	2	3	1
Cheshire	Manchester Airport	H	9	251	1011·6	–	33·8	0·9	6·1	89	5·3	2	5	6	7	7	4	0	4	0	2	3	6	12	2	0	0	0	6	19	6	1	1	2	5	7	3	4	2
			15	251	1011·0	–	37·6	1·7	6·6	85	4·9	1	10	3	6	6	5	1	3	0	1	3	12	11	0	0	0	1	8	20	2	1	2	2	2	9	1	3	9
			21	251	1011·7	–	34·5	1·0	6·2	89	4·5	5	8	3	5	7	3	0	3	1	4	2	10	11	0	0	0	0	0	7	22	2	0	4	2	5	8	1	4	5
7b	NORTH WALES																																													
			3	29	1010·9	–	38·6	1·3	7·2	88	4·7	3	6	9	3	9	1	0	0	1	0	1	3	9	8	7	2	0	4	11	9	7	2	1	4	2	5	1	3	6
Anglesey	Holyhead .. (Valley)	H	9	29	1011·3	−0·8	39·1	1·2	7·3	88	5·8	1	2	7	11	8	2	0	1	0	1	0	1	6	4	13	5	0	5	8	16	2	5	2	5	1	6	2	1	7
			15	29	1010·9	–	42·5	2·1	7·8	83	5·5	1	4	8	9	9	0	0	0	0	0	1	1	3	9	11	6	1	2	11	15	2	6	4	3	1	6	2	0	7
			21	29	1011·5	–	38·7	1·5	7·1	88	4·9	1	9	8	2	9	2	0	0	1	0	1	6	6	10	6	1	0	3	8	15	5	4	1	6	1	5	1	2	6
8a	SOUTH WALES																																													
			3	379	1011·7	–	38·7	1·5	6·9	84	3·9	6	9	4	5	7	0	0	0	0	1	0	2	5	14	8	1	0	4	11	14	2	4	1	1	2	7	6	2	6
Cardigan	Aberporth..	H	9	379	1012·0	–	39·2	1·7	7·0	84	6·5	0	1	6	13	10	1	0	0	1	1	1	0	6	10	9	3	0	4	11	14	2	4	1	2	3	7	6	2	4
			15	379	1011·0	–	41·9	2·5	7·3	79	5·6	0	7	3	11	9	1	0	1	0	0	1	2	3	9	5	10	1	6	9	14	1	4	2	2	8	5	1	0	8
			21	379	1012·2	–	39·5	1·8	7·2	85	4·6	4	9	3	4	11	0	0	0	0	0	0	1	10	13	3	4	0	4	11	11	5	2	0	2	1	8	1	5	7
			3	123	1011·9	–	39·1	1·3	7·1	87	4·5	8	4	3	5	8	3	1	0	1	1	1	0	14	13	0	0	1	4	13	11	2	2	2	7	0	3	0	11	4
Glamorgan	Mumbles Head	H	9	123	1012·5	–	39·1	1·3	7·2	88	5·7	1	3	7	10	8	2	1	0	0	2	2	0	14	11	1	0	0	6	11	13	1	3	2	8	0	6	4	5	2
			15	123	1011·4	–	42·3	2·3	7·6	81	5·9	1	2	8	8	11	1	1	0	1	0	0	7	12	10	0	0	2	6	11	9	3	2	1	9	2	4	1	7	2
			21	123	1011·7	–	39·7	1·3	7·3	87	4·3	7	6	3	3	11	1	1	0	0	0	2	1	15	10	1	1	0	7	9	13	2	4	2	4	0	4	1	10	4
			3	225	1012·7	–	36·6	1·1	6·8	90	4·6	8	2	5	4	10	2	0	2	0	1	2	5	6	4	10	1	0	1	14	14	2	2	4	3	1	3	2	11	3
	Rhoose ..	H	9	225	1013·3	–	36·4	0·9	6·8	91	6·0	0	4	6	11	7	3	0	3	0	1	4	0	5	9	6	3	0	2	9	18	2	2	5	3	3	1	4	7	4
			15	225	1011·9	–	41·2	1·9	7·4	83	5·3	2	4	7	9	8	1	0	2	0	1	5	8	6	6	4	0	2	16	10	3	1	6	5	2	2	7	3	
			21	225	1012·9	–	37·3	0·9	6·9	90	4·0	10	4	2	4	9	2	0	1	1	2	3	4	7	7	5	1	1	1	8	19	2	3	5	4	0	5	1	7	4
8b	ENGLAND, S.W.																																													
			3	35	1012·5	–	41·9	1·0	8·3	91	3·4	10	6	4	4	17	0	0	0	0	0	0	0	4	6	21	0	1	7	13	10	0	6	4	3	2	5	0	5	6
Dorset	Portland Bill	H	9	35	1013·0	–	42·3	1·3	8·3	89	4·8	3	7	3	10	7	1	0	0	0	0	0	2	4	8	16	0	2	4	12	13	0	6	1	6	2	3	1	6	6
			15	35	1011·8	–	44·6	1·7	8·7	86	4·5	4	7	6	3	11	0	0	0	0	0	0	1	8	7	15	0	1	9	12	7	2	1	3	5	2	3	5	3	7
			21	35	1012·4	–	43·0	1·2	8·6	90	3·3	11	6	4	0	10	0	0	0	0	0	0	1	6	7	17	0	2	4	17	8	0	6	4	5	0	3	1	6	6
			3	305	1011·9	–	41·9	2·3	7·4	79	4·7	2	5	10	9	3	2	0	2	0	0	0	0	3	17	7	2	1	5	12	12	1	3	3	7	0	3	4	5	5
Devon	Hartland Pt.	H	9	305	1011·9	–	41·8	2·0	7·5	82	5·6	0	4	8	13	5	1	0	1	0	0	1	1	4	12	10	2	0	7	12	12	0	1	7	5	1	3	6	1	7
			15	305	1010·9	–	43·7	2·5	7·9	79	5·3	0	7	6	9	8	1	0	0	0	1	0	1	7	11	7	4	2	4	15	7	3	5	1	7	0	3	5	4	3
			21	305	1012·0	–	42·6	1·7	7·5	79	4·4	1	10	7	5	7	1	0	1	0	0	0	5	14	8	3	1	7	12	10	1	4	4	6	0	1	6	5	4	
			3	100	1013·3	–	39·9	1·2	7·6	89	4·8	5	4	6	6	9	1	1	0	1	0	0	5	14	8	2	0	0	3	7	18	3	4	3	4	1	4	2	3	7
	Plymouth (Mount Batten)	H	9	100	1013·4	−2·1	40·2	1·2	7·8	89	5·8	1	5	3	10	11	1	1	1	0	1	5	1	11	10	0	1	0	3	11	15	1	3	3	6	0	4	4	4	6
			15	100	1012·1	–	44·9	2·4	8·3	80	5·7	1	4	6	7	13	0	0	0	0	1	1	7	9	10	3	0	0	8	12	10	1	2	1	7	1	6	3	1	9
			21	100	1013·5	–	41·1	1·4	7·8	86	4·4	8	5	3	4	10	1	0	1	0	0	1	13	11	5	0	0	1	5	5	19	1	5	5	5	0	4	2	6	3
			3	23	1012·7	–	39·5	1·4	7·4	88	4·9	5	2	9	9	6	0	0	0	0	1	0	2	10	3	10	5	0	4	8	15	4	3	0	8	4	4	0	3	5
	Chivenor ..	H	9	23	1013·0	–	38·9	0·9	7·5	90	5·9	1	3	6	14	6	1	0	0	1	1	1	3	8	8	6	3	0	2	9	16	4	4	0	11	3	3	1	1	4
			15	23	1011·7	–	44·9	2·4	8·2	80	5·5	0	7	5	10	9	0	0	0	0	0	0	2	12	7	5	5	0	2	16	11	2	4	1	5	5	5	0	1	8
			21	23	1012·9	–	40·7	1·1	7·9	88	4·9	4	6	4	6	11	0	0	0	0	0	1	2	11	5	12	0	1	4	5	18	3	4	0	5	4	3	2	2	8
			3	125	1013·1	–	36·3	0·7	7·0	92	4·3	5	9	4	3	8	2	0	2	0	0	3	5	2	10	9	0	0	1	10	11	9	3	3	0	2	5	4	1	4
	Exeter ..	H	9	125	1013·6	–	36·9	0·9	7·0	92	5·7	1	6	2	15	6	1	0	1	0	0	1	4	1	4	7	10	3	0	1	7	18	5	1	7	2	4	4	2	2	4
			15	125	1012·0	–	43·5	1·8	8·3	85	5·5	0	8	3	10	10	0	0	1	0	0	0	6	7	7	3	7	0	2	18	7	4	2	2	3	3	5	2	2	8
			21	125	1013·3	–	38·7	1·1	7·5	91	4·2	10	4	2	4	10	1	0	0	1	0	3	3	7	7	9	1	0	2	10	15	4	5	3	2	1	4	1	4	7
			3	199	1012·4	–	45·5	2·4	8·5	80	5·2	1	8	5	4	10	3	0	1	2	0	0	0	8	5	7	8	0	8	12	10	1	2	3	4	3	5	2	5	6
Cornwall	St.Mary's, Scilly	H	9	199	1012·4	−2·4	45·8	2·3	8·8	81	6·3	0	2	6	12	10	1	0	0	1	0	1	1	9	7	6	6	1	6	13	10	1	3	1	6	3	5	4	5	3
			15	199	1011·9	–	46·7	2·4	8·9	81	6·0	0	3	6	12	8	2	0	1	0	0	1	3	9	7	3	7	0	6	15	9	1	3	1	4	4	3	3	4	8
			21	199	1012·9	–	45·8	2·4	8·5	81	5·6	0	2	12	8	9	0	0	0	0	0	0	2	11	7	4	7	1	7	12	10	1	4	4	4	3	2	6	3	
			3	350	1012·9	–	41·2	1·6	7·8	86	5·1	3	2	10	8	6	2	0	0	1	1	0	1	5	11	11	1	0	7	10	13	1	0	1	7	3	6	2	3	8
	St. Mawgan	H	9	350	1013·0	–	41·2	1·2	8·1	89	6·5	1	1	4	15	8	2	0	0	1	1	0	3	5	11	9	1	1	1	14	13	2	4	1	6	4	7	2	2	3
			15	350	1011·9	–	44·6	2·1	8·4	82	6·2	0	4	4	10	12	1	0	0	0	1	0	1	3	7	10	3	0	7	16	7	1	2	2	4	2	7	2	1	10
			21	350	1013·3	–	41·7	1·7	7·9	85	4·3	6	6	6	3	9	1	0	1	0	2	1	1	4	14	6	2	0	5	13	13	0	2	3	6	3	4	1	3	9
	NORTHERN IRELAND																																													
			3	13	1010·4	–	35·7	1·5	6·1	85	4·7	2	7	8	9	5	0	0	0	0	0	0	1	4	13	13	0	0	1	4	20	6	2	0	4	2	5	2	9	1
Londonderry	Ballykelly	H	9	13	1010·8	–	35·5	1·5	6·1	85	5·3	0	5	6	16	4	0	0	1	0	0	0	1	3	17	8	1	0	1	7	13	10	5	0	0	4	6	1	4	1
			15	13	1013·7	–	39·8	2·4	6·7	80	5·4	0	6	7	14	4	0	0	0	0	1	0	1	6	9	10	4	0	2	8	17	4	5	3	2	2	5	2	2	4
			21	13	1011·4	–	36·0	1·6	6·2	84	4·0	3	9	7	8	4	0	0	0	0	0	0	1	6	12	12	0	0	0	5	20	6	1	2	2	5	5	0	6	4
			3	220	1011·1	–	34·5	0·8	6·4	92	4·3	7	7	1	7	8	1	0	2	1	0	0	0	8	16	4	0	0	0	7	18	6	1	2	3	3	9	1	3	3
Antrim	Aldergrove	H	9	220	1011·4	+0·9	33·8	0·7	6·3	92	5·5	0	4	8	10	8	1	0	0	2	0	0	1	1	5	14	8	0	0	0	7	17	7	2	0	5	3	8	0	4	2
			15	220	1010·9	–	39·1	1·5	7·1	85	5·4	0	6	5	14	4	2	0	2	0	0	1	1	1	5	4	3	3	0	1	6	18	6	4	0	5	0	6	3	2	5
			21	220	1011·8	–	35·3	0·8	6·6	91	5·0	1	7	9	6	6	2	0	1	1	1	0	2	1	4	6	4	2	0	0	7	18	6	2	4	2	4	3	1	5	4
			3	356	1011·1	–	34·0	0·7	6·3	93	4·5	4	10	1	5	10	1	0	1	0	0	0	4	9	8	9	0	0	0	9	18	4	2	3	3	5	6	3	3	2
	Nutts Corner	H	9	356	1011·5	–	33·6	0·7	6·2	92	5·7	0	3	9	11	8	0	0	0	1	2	1	0	8	2	7	3	0	0	9	19	3	3	2	4	2	8	4	2	3
			15	356	1011·5	–	38·9	1·6	7·0	85	5·3	0	8	4	11	6	2	0	2	0	0	1	0	5	8	4	4	8	0	1	11	14	5	4	0	4	3	5	2	6	2
			21	356	1011·8	–	34·8	0·8	6·4	91	5·1	1	5	8	8	7	2	0	2	0	1	2	1	11	7	7	0	0	0	7	15	9	0	1	5	3	6	1	3	3

H *See* Notes on Tables in the Introduction.

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, JANUARY, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	88	30	10	20	35·4	31	51	31	9	20	23·3	31	81	30	12	1,3,4	34·0	31
Eskdalemuir	128	25	8	17	73·7	31	77	31	8	17	38·9	31	108	25	10	17,19	62·4	31
Cambridge	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Kingsway	112	27	15	18	62·7	31	73	31	14	18	45·5	31	119	27	12	14	70·1	24
Kew	127	27	4	14	66·8	31	60	31	3	14	40·5	31	125	26	5	14	63·9	31
Aberporth	218	25	25	22	99·9	31	136	13	23	22	63·8	31	–	–	–	–	–	–

TABLE VIII—NUMBER OF DAYS IN JANUARY, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	7	19	5	0	0	0	0	0	0	0	3	18	10	0	0	0
Stornoway	3	18	10	0	0	0	0	0	0	0	3	14	11	3	0	0
Craibstone	4	19	8	0	0	0	0	0	0	0	3	21	7	0	0	0
Rothesay																
Renfrew	5	16	9	1	0	0	0	0	0	0	12	13	6	0	0	0
Eskdalemuir	6	22	3	0	0	0	0	0	0	0	12	13	6	0	0	0
Douglas	0	12	19	0	0	0	0	0	0	0	0	10	19	2	0	0
Cockle Park	1	24	6	0	0	0	0	0	0	0	11	14	6	0	0	0
Gorleston	2	17	11	1	0	0	0	0	0	0	3	13	12	3	0	0
Cambridge	3	16	10	2	0	0	0	0	0	0	7	17	3	4	0	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	4	15	12	0	0	0	0	0	0	0	0	19	8	4	0	0
Kew Observatory	0	16	14	1	0	0	0	0	0	0	1	15	11	4	0	0
Hastings	0	14	15	2	0	0	0	0	0	0	0	18	9	4	0	0
Southampton	0	12	12	7	0	0	0	0	0	0	1	19	7	4	0	0
Stonyhurst	0	23	8	0	0	0	0	0	0	0	5	17	8	1	0	0
Bidston Observatory	2	16	13	0	0	0	0	0	0	0	1	12	17	1	0	0
Holyhead (Valley)	0	8	22	1	0	0	0	0	0	0	0	9	15	7	0	0
Falmouth	0	1	21	9	0	0	0	0	0	0	0	5	17	9	0	0
Aldergrove	1	19	10	1	0	0	0	0	0	0	6	15	8	2	0	0
Armagh	1	14	15	1	0	0	0	0	0	0	3	16	11	1	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT							EARTH TEMPERATURE		RAINFALL			WEATHER Number of days									BRIGHT SUNSHINE	
				Means of			Difference from Average	Highest Maximum and Lowest Minimum																			
		Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B		Maximum	Date	Minimum	Date	1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	Precip'r: ·01in. (0·2mm.) or more	Precip'r: ·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
1958		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
March	Rhyl	999	31				−4·2																						
May	Wokingham	999	200											2·04															
October	Filey	999	122	–	43·5	–	–	–	–	32	12	–	–	1·48	–	·37	5	13	7	0	0	0	0	5	1	0	0	3·64	–
November	Filey	999	122	48·0	37·3	42·7	–	54	7	27	14	–	–	·66	–	·27	1	10	5	0	0	0	0	10	9	5	0	2·08	–
	East Bergholt	999	14	49·6		44·3																							
	Writtle	999	105																									1·26	
	Cawood	999	20	46·7		41·3																							
	Kettering	999	297	49·2	39·2	44·2	–	55	2,3,7	31	17														3	9			
	Rugby	999	385		38·1	43·0																			4				
	Farnham	999	260	48·8	38·5	43·7	–																			8			
December	Lairg (Achany)	999	240															28	19										
	Banff	999	80											2·24	91	·35	13,14	20											
	Buddon Ness	999	15											4·38	192			20	14										
	Bush House	999	605																									0·76	
	St. Abb's Head	999	245																								3		
	Paisley	999	106																									0·57	71
	Filey	999	122	44·1	36·1	40·1	–	53	28	27	10	–	–	3·30	–	·57	18	22	15	0	0	1	0	8	5	5	0	1·21	–
	Moreton Morrell	999	280		35·3	40·0				27	7														9	19			
	Droitwich	999	106		34·4	39·3																			14				
	Wokingham	999	200		35·3	40·7																							
	Blackbushe	21–99	325	45·0	37·4	41·2	–	54	27,28	30	2,5,	–	–	2·43	–	·41	29	18	12	0	0	0	0	10	7	11	0	–	–
	Wallasey	999	57	44·8		41·3								3·51	–	·90	10	21	11										
	Bwlchgwyn	999	1267	41·2	33·9	37·5	–	49	27	27	6	39·9	–	4·23	–	·81	18	21	17	5	4	3	0	5	10	14	0	–	–
	Usk	999	70	46·3	33·5	39·9																							
	Sidmouth	999	25																									1·51	

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

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Volume 76 Number 2 Published by HER MAJESTY'S STATIONERY OFFICE

February 1959—*Exceptionally dry. Cold and foggy becoming very mild later*

Over southern areas of the British Isles anticyclones dominated the weather throughout the month giving exceptionally dry weather. It was cold and foggy for the most part but very mild during the last week. In northern areas it was anticyclonic at first but the second half of the month was predominantly westerly in character.

The anticyclone centred over the country at the end of January persisted with little change until the 4th. Winds were easterly over southern districts but light and variable over Scotland, and, although there were a few sleet showers in east and south-east England on the 2nd, weather was predominantly dry and cold but with a good deal of sunshine. In the Glasgow area fog and frost persisted day and night almost without a break until early on the 4th. Frost was severe in places; screen temperature on the 4th fell to 0°F. at Kincraig and to 1°F. at Grantown-on-Spey.

The anticyclone became centred over eastern Europe until the 14th but the British Isles remained in its circulation for the most part, though south-westerlies succeeded in penetrating to Ireland, Scotland and northern England by 13th. Subsequently the anticyclone developed westwards, being centred over our southern districts during 17th–19th. Although winds had reached gale force locally in south-west England on 4th, they were mostly light and variable throughout the period in central, eastern and southern England where fog formed locally on 4th and occurred in many districts every day until the 19th. Fog was particularly widespread on 6th and during 16th–19th. Temperature was below average, even where there was little or no fog. Although there was some rain here and there in south-west England (particularly on the 9th) and in Scotland, weather was generally dry, but dull and gloomy.

On the 20th the anticyclone was centred over our South-west Approaches and a north-westerly airstream, associated with a deep depression over Scandinavia, swept across the British Isles. Temperatures fell in northern districts; in Scotland the showers turned to snow. Wind reached gale force in parts of Scotland and northern England; at several places in northern Scotland gusts exceeded 60 kt. This polar outbreak was short-lived and the following day milder air from the Atlantic brought cloudy weather with rain or drizzle to most districts. By the 22nd day temperature everywhere was above average; it reached 62°F. at Usk, Monmouthshire, and 55°F. at Perth.

On the 22nd and 23rd the anticyclone moved slowly eastwards again to northern France subsequently becoming situated over central Europe by the end of the month. Winds were south-westerly during the last six days, light in the south-east but reaching gale force at times in Scotland and northern England. Weak troughs of low pressure brought occasional rain to some western and northern districts, but in the east and south-east it remained mostly dry. The last few days of the month were particularly mild; temperature reached 60°F. locally in the Moray Firth area on the 25th and 65°F. in east and south-east England on the 28th.

Pressure and Wind. Pressure was considerably above the 1921–50 average everywhere, the excess at 9h. ranging from 13·6 mb. at Stornoway to 17·8 mb. at Spurn Head. At the beginning of the month pressure over the British Isles was close to 1040 mb. Winds were mainly easterly in the south and light and variable in the north until the 4th, becoming predominantly south-westerly in Scotland and light and variable in England and Wales until the 19th. North-westerly winds on the 20th and 21st were followed by south-westerlies which persisted until the end of the month. Wind reached gale force on 19 days in Scotland and 13 days in England and Wales; gales were most frequent in the west and north and more frequent after the 19th than earlier in the month.

Temperature. Mean temperature was 0·5°F. above the 1921–50 average in England and Wales, 1·1°F. above in Scotland and 2·1°F. above in Northern Ireland. In England and Wales temperature during the first three weeks of the month was generally below the average, but unusually mild weather during the last week brought mean temperature for the month slightly above the average. At Ross-on-Wye temperature reached 60°F. on both the 27th and 28th; no previous February has had two days with 60°F. since records began at this station in 1874. Over most of Scotland severe frosts and the persistence of fog during the first part of the month brought mean temperature down to within 1°F. of the average; at some places in the Central Highlands and around the Clyde Estuary mean temperature for the month was below average. In the Western Isles it was mild with mean temperature 2–3°F. above the average.

Extreme temperatures included:–(England and Wales) 66°F. at Greenwich on the 28th, 14°F. at Moor House on the 3rd; (Scotland) 61°F. at Banff on the 27th and 28th, 0°F. at Kincraig on the 4th; (Northern Ireland) 56°F. at Garvagh on the 16th, 18°F. at Garvagh on the 3rd.

Precipitation. An exceptionally dry month with general precipitation, expressed as a percentage of the 1916–50 average, only 14 per cent. in England and Wales, 43 per cent. in Scotland and 38 per cent. in Northern Ireland. Parts of Kent and Sussex had no measurable rain throughout the month and large areas of the Midlands and south-east England had less than five per cent. Half the average was exceeded in the Lake District, over the greater part of Lanarkshire and Ayrshire, over northern Argyllshire and western Inverness-shire. In England and Wales there has been only one drier February, that of 1891, since comparable records began in 1865, although 1921 was as dry. A number of places had their driest February in a long series of unbroken records; at Wellingborough and Goldington, for example, since 1891 and at Kew Observatory since 1866. In the east of Scotland some places had no measurable rain until the 19th. At Wick it was the driest February since 1866 and at Gordon Castle since 1878.

Snow covered the ground in many parts of northern Scotland during the first half of the month, and snow and sleet showers were widespread on the 20th and 21st, depths of 1 in. being reported in places.

Thunder was heard on one day in Scotland but was not reported in England and Wales.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 90 in England and Wales, 102 in Scotland and 95 in Northern Ireland. Weather was unusually dull from about 5th to 18th, especially in the Midlands, north-east England and the Glasgow area. Some places had no sunshine at all for 13 days. Sunshine was above the average north of a line from Aberdeen to Oban; at Gordon Castle, with 177 per cent. of the average, it was the sunniest February since records began in 1909. In contrast Renfrew had only 28 per cent. of its average and at Paisley, with only 35 per cent. it was the dullest February since records began there in 1885. The last days of the month were brilliantly sunny; on the 28th both Long Sutton and South Farnborough recorded more than 10 hr. sunshine and Kew with 9·6 hr. had its sunniest February day since records began there in 1881.

Fog. Fog occurred at one place or other in Scotland on 1st–17th, 19th–24th and 27th and every day in England and Wales except the 28th. It was most widespread between 5th and 19th persisting during the afternoon at many places. Fog was reported on 17 and 18 days at Durham and Wye respectively.

Miscellaneous Phenomena. The aurora was seen on 18 nights in Scotland and as far south as Aldergrove on the night of the 25/26th.

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

MWRdup

TABLE I—DISTRICT VALUES—FEBRUARY, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	58	0	+2·1	+0·5	+1·3	—	—	49	−6	125
Eastern										
1 SCOTLAND, E.	61	1	+1·5	−0·2	+0·7	—	—	23	−7	111
2 ENGLAND, N.E.	64	18	+0·9	+0·8	+0·8	−1·1	−1·9	22	−11	68
3 ENGLAND, E.	65	17	+0·1	+0·2	+0·2	−1·3	−1·5	8	−11	96
4 MIDLAND COUNTIES	65	19	+0·1	+0·6	+0·4	−1·4	−1·7	7	−10	86
5 ENGLAND, S.E.	66	21	−0·5	−0·7	−0·6	−1·4	−1·2	6	−10	97
Western										
6 SCOTLAND, W.	55	11	+0·9	+1·9	+1·4	−2·7	−1·3	41	− 2	71
7 ENGLAND, N.W. (*and N. Wales*)	63	14	+1·7	+1·3	+1·5	−0·8	−1·5	17	− 9	100
8 ENGLAND, S.W. (*and S. Wales*)	63	22	+0·2	+0·7	+0·4	−1·0	−1·6	11	−10	92
NORTHERN IRELAND	56	18	+2·6	+1·3	+2·1	—	—	—	− 9	95

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—FEBRUARY, 1959 [1914]

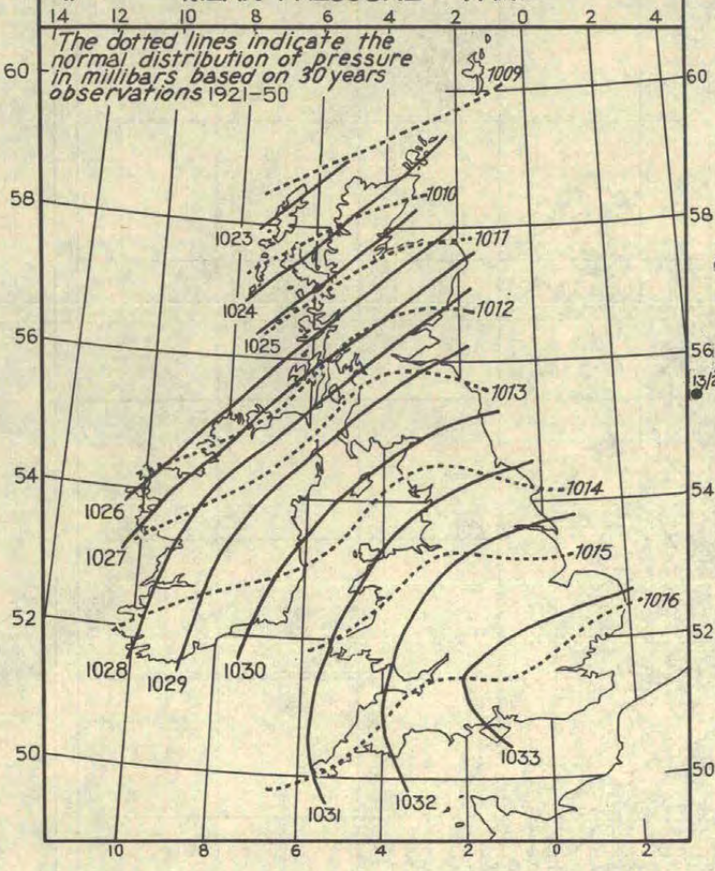
DISTRICT, COUNTY AND PLACE	Height of Vane			Distribution of Mean Hourly Values of Wind Speed							Mean Hourly Wind Speed	Highest Velocities					
	Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	Highest Hourly 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	knots	day	h.m.
SCOTLAND																	
0 Zetland Lerwick	310	53	37	## 13,14,16,19	40	21	291	224	102	15	0	20·5	250	43	19 14	61	20 0835
Orkney Grimsetter	135	51	33	19,25	8	15	87	370	171	36	0	14·0	250	37	19 18	64	20 0330
Caithness Dounreay	112	41	33	20,25,26	10	19	167	352	119	24	0	16·7	290	40	26 15	64	20 0345
Ross & Cromarty Stornoway (Coastguard)	120	40	36	11–20, 24–28	114	19	189	178	113	78	0	19·9	200	47	27 10	84	25 1655
Inverness Benbecula	69	51	35	✓ 13,14,20,25	37	19	255	240	114	26	0	19·3	190	43	26 12	63	25 1810
1 Aberdeen Dyce	225	40	40	27	2	8	35	196	219	220	0	8·3	200	39	27 14	51	27 1320
Angus Bell Rock Lighthouse	128	131	124	19,20,25,26	11	13	112	227	198	124	0	12·6	240	39	25 22	50	25 2200
Perth Rannoch	1006	56	57	20	1	8	57	169	213	202	30	8·7	260	35	20 08	53	20 0705
Fife Leuchars	79	41	41	–	0	7	34	161	187	290	0	7·4	260	30	19 24	47	20 0705
Midlothian Edinburgh	485	39	23	–	0	10	84	179	145	264	0	9·2	180	32	14 12	54	26 1155
6a Argyll Tiree	89	60	47	9,13,14,25–27	20	22	264	307	54	27	0	20·1	190	38	26 11	61	20 0925
Bute Millport	50	34	34	–	0	9	23	278	217	154	0	9·9	260	31	20 06	49	20 0530
Renfrew Paisley	188	81	31	–	0	4	9	116	247	300	0	6·0	180	25	26 11	55	20 1125
Renfrew	71	41	39	–	0	8	55	234	151	232	0	9·3	260	30	20 03	56	20 0515
Ayr Prestwick Airport	35	33	33	–	0	3	16	289	271	96	0	9·7	240	26	20 06	41	20 1116
Dumfries Eskdalemuir	825	50	35	–	0	7	57	125	177	313	0	7·0	230	31	25 21	52	25 2010
ENGLAND and WALES																	
6b Isle of Man Point of Ayre	70	40	35	–	0	9	60	316	250	46	0	12·3	220	29	27 14	48	27 1330
2 Durham Durham	399	53	33	–	0	4	20	149	258	245	0	6·9	230	30	26 16	54	26 1535
South Shields	73	57	44	–	0	1	7	130	395	140	0	7·2	270	25	20 10	43	20 1020
Yorks.,E.R. Spurn Head	64	44	34	–	0	1	6	160	410	87	9	7·5	280	29	20 12	40	20 1100
Lincoln Cranwell	288	47	47	–	0	3	4	143	264	261	0	6·1	240	24	25 11	42	20 1245
3 Norfolk Gorleston	52	42	34	∅													
Suffolk Mildenhall	98	83	60	–	0	1	2	110	419	141	0	6·5	260	23	20 12	35	20 1115
Felixstowe	85	75	65	–	0	1	2	115	315	240	0	6·5	080	23	4 09	33	4 1010
Bedford Dunstable	567	55	33	–	0	0	0	73	328	271	0	5·4	070	15	4 09	24	3 1110
Cardington	285	150	135	–	0	0	0	189	279	204	0	7·4	220	21	20 13	34	20 1255
Herts. Stevenage	564	111	65	–	0	1	1	183	336	152	0	7·5	260	22	20 13	35	20 1250
Essex Coryton	66	57	48	–	0	0	0	39	481	152	0	5·5	060	16	3 12	33	3 1140
Shoeburyness	115	104	89	–	0	2	13	176	368	115	0	8·0	050	25	3 14	34	3 1355
4 Yorks.,W.R. Sheffield	533	83	35	–	0	0	0	87	351	234	0	5·9	220	18	25 15	41	20 1320
Leicester Leicester	266	66	45	‡													
Warwick Birmingham	643	118	73	–	0	0	0	107	460	105	0	6·7	300	17	21 05	32	20 1410
Stafford Keele	706	50	40	–	0	0	0	177	355	140	0	7·6	210	19	26 14	37	26 1515
Gloucester Avonmouth	92	61	33	–	0	2	3	127	244	298	0	5·2	270	24	21 17	37	4 1235
5 London Kingsway	231	160	40	–	0	0	0	41	407	224	0	5·2	120	15	4 11	26	3 1240
Middlesex Hampton	139	101	100	–	0	0	0	70	321	281	0	5·0	070	17	4 10	34	4 0910
Surrey Kew Observatory	92	75	50	–	0	0	0	91	439	142	0	6·4	040	18	3 16	34	3 1555
Kent Isle of Grain	48	40	33	–	0	0	0	85	244	343	0	4·9	060	21	3 14	34	4 0120
Dungeness	70	50	33	*													
Dover	66	36	60	–	0	4	29	101	402	140	0	7·4	050	26	4 03	36	20 1315
Sussex Thorney Island	75	65	42	–	0	0	0	51	262	359	0	4·1	060	15	3 14	31	21 1650
Hants. Southampton (Eastleigh)	95	60	41	–	0	1	1	93	402	176	0	5·9	050	22	3 14	35	20 1330
S. Farnborough	318	69	35	–	0	0	0	15	242	415	0	3·3	280	13	21 15	28	20 1320
Berks. Abingdon	295	40	40	–	0	0	0	109	361	202	0	6·0	060	18	4 09	37	20 1535
Wiltshire Larkhill	491	51	36	–	0	0	0	99	344	229	0	5·8	040	21	3 14	34	3 1305
Porton	406	44	44	–	0	2	8	148	386	130	0	7·6	020	23	3 11	36	3 1250
7a Cumberland Sellafield	83	39	35	–	0	0	0	126	259	287	0	5·5	190	20	26 14	35	20 1205
Westmorland Moor House	1960	50	45	*													
Lancashire Southport	63	45	36														
Speke	180	100	65	–	0	6	43	324	213	92	0	11·0	240	31	26 15	47	20 1045
Cheshire Bidston Observatory	262	64	39	**													
Manchester Airport	318	70	30	–	0	4	9	209	278	176	0	8·1	210	25	28 14	40	20 1435
7b Anglesey Holyhead (Valley)	76	50	40	–	0	8	67	254	209	142	0	10·7	200	30	26 12	41	26 1127
8a Cardigan Aberporth	483	41	41	–	0	6	24	365	199	84	0	11·4	200	24	27 14	42	27 1600
Pembroke Kete	249	49	37														
Milford Haven	246	50	35	–	0	0	0	229	350	93	0	8·5	200	18	28 10	35	28 0910
Glamorgan Port Talbot	91	40	35	–	0	2	7	258	317	42	48	9·5	130	24	4 10	47	4 0942
8b Devon Plymouth	191	88	65	–	0	4	6	234	319	113	0	8·9	–	23	7 14	40	3 1150
Cornwall St. Mary's, Scilly	230	65	57	–	0	4	37	337	249	49	0	11·7	100	29	1 01	47	1 0225
The Lizard	315	75	60	1	1	8	98	300	221	52	0	13·3	100	35	1 01	48	4 0905
NORTHERN IRELAND																	
Londonderry Ballykelly	52	50	35	–	0	8	22	250	244	156	0	9·4	200	28	26 11	51	27 0525
Antrim Aldergrove	281	65	55	–	0	6	25	261	284	102	0	9·7	200	26	26 12	44	27 0640
Nutts Corner	344	31	31	–	–	–	–	–	–	–	–	–	200	24	27 12	40	27 1115
CHANNEL ISLES																	
Jersey Airport	359	86	50	–	0	4	21	259	339	53	0	10·1	060	27	2 13	42	2 1220

✓ Also on 26,27. ## Also on 20,23,25,26,28th. ∅ Anemograph dismantled for re-erection. * Defective Record. ** Incomplete record. ‡ Anemograph out of order.

MONTHLY WEATHER CHARTS FEBRUARY 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50

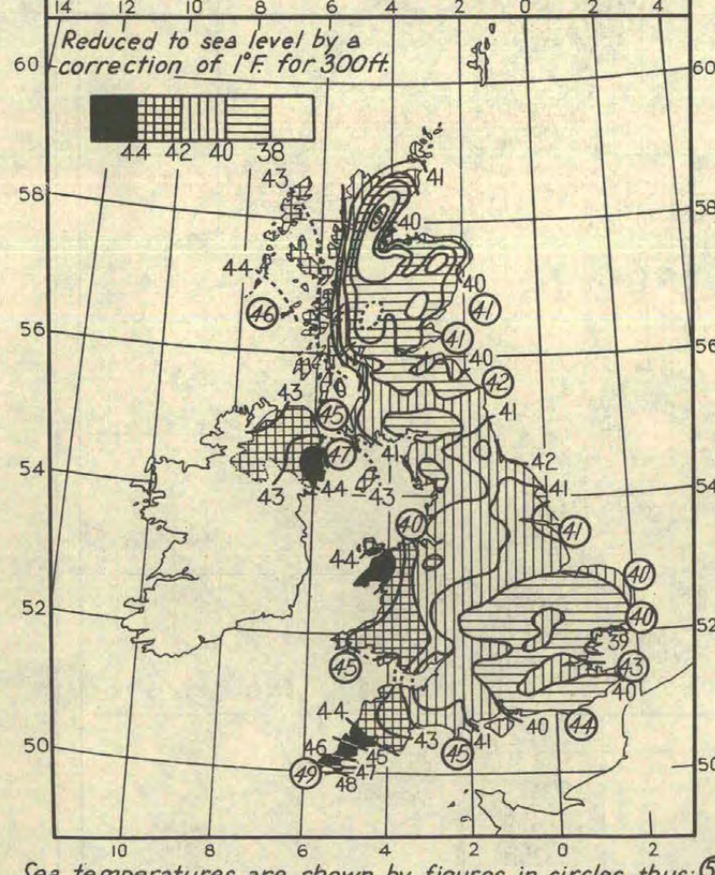


2. MOVEMENTS OF DEPRESSIONS

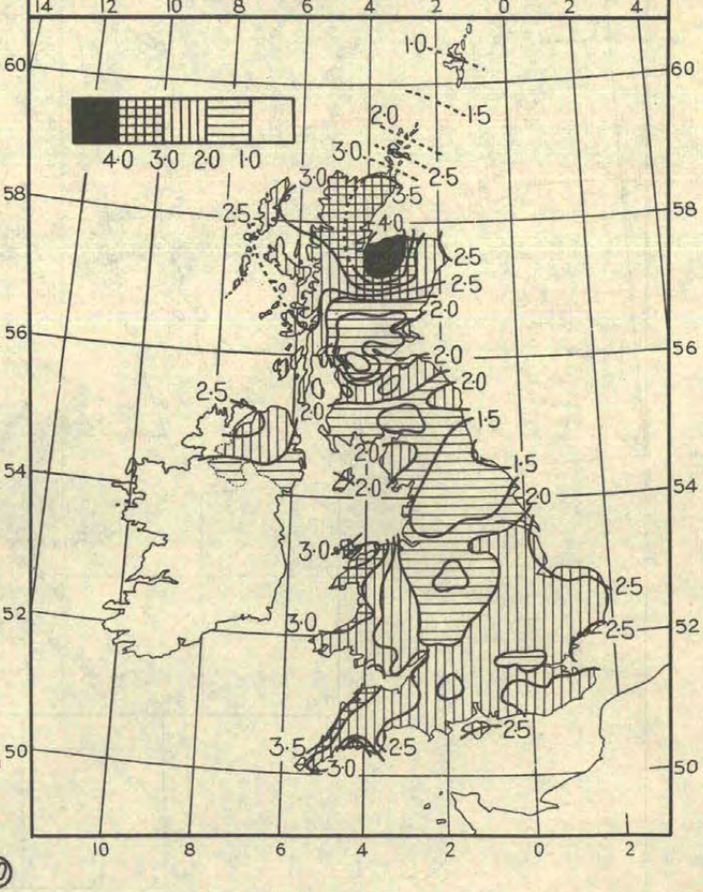
Positions of centres shown thus:- ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.



4. BRIGHT SUNSHINE, HOURS PER DAY



Sea temperatures are shown by figures in circles, thus: (50)

A.M. Form 1483

RAINFALL
FEBRUARY 1959

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

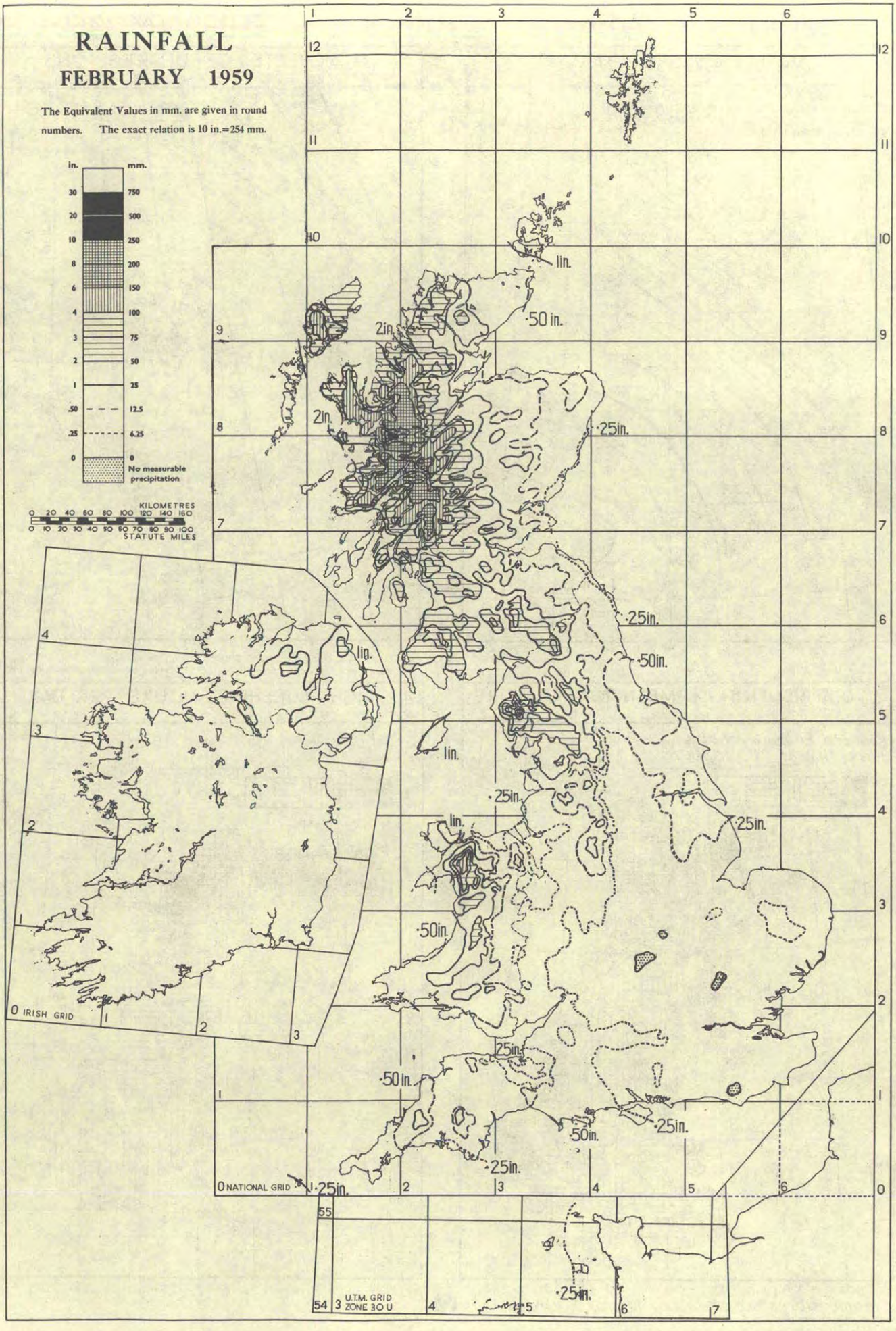


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21-9 9	269	43·5	37·4	40·5	+2·6	50	25	22	21	–	–	1·24	37	·30	19	16	11	3	2	3	0	0	4	8	14	1·25	76
	Baltasound ...	9 9 9	78	45·0	36·8	40·9	–	51	25	23	21	39·4	–	1·82	47	·47	19	17	13	5	2	3	0	0	5	–	8	0·93	–
Orkney	Sule Skerry ...	9 9 9	43																										
	Grimsetter ...	21-9 9	84	45·2	36·6	40·9	–	55	25	27	1,2	–	–	1·29	41	·36	19	12	9	4	0	2	0	0	7	6	3	2·36	–
Caithness	Wick ... ¶§	21-9 9	119	45·5	35·5	40·5	+1·4	55	16	21	2	–	–	·33	17	·09	19,20	7	4	3	1	1	0	0	8	10	4	3·52	138
Sutherland	Cape Wrath ...	21-9 9	367	46·9	40·0	43·5	–	56	11	33	21	–	–	1·71	52	·55	26	13	8	2	0	0	0	0	5	2		–	–
	Lairg (Achany) ...	9 9 9	240	44·7	26·6	35·7	–	58	25,26	10	4	32·1	38·1	·89	–	·33	19	13	7	0	20	1	0	2	17	17	2	–	–
	Crask	9 9 9	740																										
	Strathy	9 9 9	120	46·7	31·6	39·1	–	57	27	19	1,3	–	–	·70	–	·22	19	10	5	3	0	1	0	0	13	–	1	3·84	– S
Ross & Cromarty	Stornoway ¶§	21-9 9	11	47·6	38·1	42·9	+2·4	52	16,24	23	4	–	–	2·12	79	·45	26	15	12	2	1	1	0	0	6	8	10	2·96	147
	Achnashellach ...	9 9 9	220	46·2	32·5	39·3	+0·8	54	27	18	2,3	–	–	4·53	67	·93	26	17	15	–	0	–	–	3	15	–	–	–	–
	Kinlochewe ...	9 9 9	76	48·8	33·7	41·3	–	56	28	19	3	–	–	5·03	–	1·01	15	15	14	1	10	0	1	0	11	15	0	2·59	– S
	Garve (Inchbae)	9 9 9	526	44·1	24·5	34·3	–	55	27	8	1,4	–	–	2·74	–	·48	13	15	11	2	13	0	0	0	19	17	0	–	–
	Fortrose ... ¶§	9 9 9	69	45·2	35·2	40·2	+0·2	53	27	26	4,5	–	–	·56	33	·18	19,20	9	4	1	0	0	0	1	9	–	2	3·64	146
	Tarbatness ...	21-9 9	60	44·8	34·3	39·5	–	57	27	22	1,3,4	–	–	·29	–	·10	20	6	3	2	0	0	0	0	11	–	0	–	–
Inverness	Benbecula ...	21-9 9	19	47·0	40·5	43·7	–	52	27	24	4	–	–	1·77	59	·26	20	17	11	0	0	1	0	0	3	5	7	2·37	–
	Isle of Rhum ...	9 9 9	15	48·5	37·9	43·2	–	53	27,28	23	4,5	38·8	42·1	4·09	–	·73	13	19	17	0	0	1	0	0	6	12	9	–	–
	Duntulm ...	9 9 9	294	47·5	38·4	42·9	–	54	11	32	5	–	–	3·00	76	·50	26	18	15	2	0	2	0	0	1	9	6	2·86	–
	Onich ... §	9 9 9	48	46·8	34·3	40·5	–	54	27	21	2,4,5	–	–	5·56	80	·73	23	17	17	0	0	0	0	0	13	12	0	2·26	120 S
	Fort William ¶	9 9 9	34	46·5	33·1	39·8	+0·1	55	27	18	3,4	36·2	39·6	6·20	87	·97	23	16	16	1	0	1	0	1	15	14	0	1·89	–
	Fort Augustus ...	9 9 9	70	45·0	30·5	37·7	-1·0	54	27	12	2	–	–	2·40	–	·44	23	16	13	0	0	0	0	2	16	–	3	2·42	– S
	Cannich	9 9 9	350	–	26·0	–	–	–	–	2	5	–	–	1·71	–	·32	24	12	11	0	14	0	0	3	15	20	0	–	–
	Dalwhinnie ...	18-9 9	1176	42·5	30·6	36·5	–	50	25	12	3	–	–	2·03	48	·38	26	16	12	3	2	0	0	0	15	15	0	2·67	– S
	Inverness ...	9 9 9	13	46·0	32·7	39·3	–	56	16	19	4,5	–	–	·52	–	·14	19	8	4	1	0	0	0	1	12	15	0	3·62	–
	Kincraig	9 9 9	780	45·0	25·2	35·1	–	55	25	0	4	–	–	1·00	–	·21	14	13	7	–	5	–	–	1	18	19	–	–	–
	Glenmore Lodge	9 9 9	1000	45·3	27·0	36·1	–	56	25	8	4	–	–	·72	–	·18	21	11	7	3	14	0	0	0	18	19	0	4·29	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	46·5	30·9	38·7	-0·5	59	25	15	4	–	–	·45	30	·14	20	7	4	1	0	0	0	0	15	17	2	4·10	162
Moray	Grantown-on-Spey	9 9 9	720	43·3	23·6	33·5	–	54	27	1	4	–	–	·54	–	·18	20	10	4	–	16	–	–	–	19	22	–	–	–
	Forres	9 9 9	155	47·7	31·8	39·7	–	59	25,27	17	2	34·8	37·9	·54	38	·19	20	5	4	1	0	0	0	0	12	17	0	4·33	–
	Kinloss ...	21-9 9	15	46·9	31·3	39·1	–	60	25	15	4,5	–	–	·44	–	·14	20	6	5	2	0	2	0	0	12	17	4	4·42	–
	Findhorn ...	9 9 9	20	44·9	32·7	38·8	–	58	25	20	2,5	–	–	·46	–	·12	20	7	5	2	–	0	0	–	10	14	2	–	–
	Elgin	9 9 9	92	48·5	32·4	40·5	–	60	25	17	4	–	–	·37	–	·14	19	5	4	0	0	0	0	0	11	16	0	4·32	–
	Gordon Castle ...	9 9 9	104	48·2	31·7	39·9	+0·8	60	25	18	2,4	–	–	·37	20	·13	20	5	4	–	10	–	–	–	14	–	0	4·45	177
Banff	Glenivet	9 9 9	1085	43·5	27·6	35·5	–	54	25	10	1	34·3	–	·46	18	·13	21	6	4	4	14	1	0	1	17	20	3	4·24	–
	Banff	9 9 9	80	47·5	32·9	40·2	–	61	27,28	17	2	–	–	·38	–	·10	20	6	6	1	0	1	0	1	11	8	0	2·94	–
Aberdeen	Braemar	9 9 9	1113	43·1	26·3	34·7	+0·2	54	25	6	4	–	–	·39	14	·12	21	10	3	2	15	0	0	1	16	16	0	2·45	–S
	Balmoral... ...	9 9 9	927	43·9	26·3	35·1	+0·2	56	25	7	4	–	–	·37	17	·09	19,21	11	3	1	13	0	0	–	19	17	0	–	–
	Logie Coldstone	9 9 9	608	46·0	27·7	36·9	+0·6	57	25	8	4	–	–	·30	–	·13	21	6	4	5	15	0	0	–	18	–	0	–	–
	Fyvie Castle ...	9 9 9	218	44·8	29·5	37·1	–	57	25	8	3	–	–	·65	–	·14	19	7	7	2	15	0	0	–	15	17	–	2·73	–
	Craibstone ¶§	9 9 9	300	45·0	33·0	39·0	+1·2	55	25	18	2	35·2	37·4	·32	14	·07	21	8	3	2	0	0	0	1	10	12	1	2·89	106
	Dyce	21-9 9	190	44·9	31·5	38·2	–	55	25,28	12	2	–	–	·27	11	·08	21	8	2	3	0	0	0	2	15	16	2	2·89	–
	Aberdeen ...	9 9 9	170																										
	Udny	9 9 9	363	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rattray Head ...	21-9 9	85	44·9	35·1	40·0	–	55	25	22	2	–	–	·38	21	·12	20	8	3	3	0	1	0	2	7	–	1	2·36	–
Kincardine	Fettercairn ...	9 9 9	560	43·0	32·1	37·5	–	55	24	23	2	–	–	·28	–	·04	15,22	11	2	1	0	0	0	3	16	16	4	2·09	–S
	Stonehaven ...	9 9 9	12	45·2	33·3	39·3	–	56	25	19	2	–	–	·24	13	·09	22	7	2	0	0	0	0	4	9	–	0	2·35	–
	Muchalls ...	9 9 9	210	44·8	33·9	39·3	–	55	25	25	2	–	–	·22	–	·08	21	8	2	1	0	0	0	0	10	13	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	43·6	32·4	38·0	–	53	26	16	2,3	34·4	38·6	·28	–	·11	21	12	2	0	0	0	0	5	12	14	0	1·53	–
	Dundee ... ¶	9 9 9	147	44·0	33·5	38·7	+0·2	54	16	21	2,3,4	33·1	–	·30	14	·10	21	11	3	0	0	0	0	–	10	16	0	–	–
	Glamis Castle ...	9 9 9	200	42·8	30·0	36·4	–	53	16	12	3	–	–	·42	–	·10	21	16	3	0	0	0	0	3	18	14	2	–	–
	Buddon Ness ...	9 9 9	15	43·9	30·7	37·3	–	54	22	11	3	–	–	·22	12	·08	21	10	1	0	–	0	0	3	13	–	0	–	–
	Carnoustie ...	9 9 9	29	44·5	33·4	38·9	–	54	22,25	20	3,4	34·9	–	·14	7	·05	21	6	2	1	0	0	0	4	10	13	0	1·76	–
	Arbroath... ...	9 9 9	95	44·4	34·2	39·3	+0·2	54	25	20	2	–	–	·10	5	·03	26	5	0	0	0	1	0	0	8	10	9	0	1·88	66
	Montrose... ...	9 9 9	200	42·1	32·9	37·5	–	50	22,25,26	20	3	–	–	·21	11	·05	8,21	7	3	0	0	0	0	2	12	–	1	–	–
Perth	Strathyre ...	9 9 9	425	45·1	29·7	37·4	–	53	17	11	3	32·8	36·2	1·62	–	·39	23	8	8	2	1	0	0	6	13	13	0	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	42·9	33·0	37·9	–	52	21	20	4	–	–	1·39	–	·27	26	15	11	0	0	0	0	6	13	17	0	–	–
	Pitlochry ...	9 9 9	473	44·0	29·0	36·5	–	58	19	11	2	–	–	·73	–	·21	21	11	6	0	0	0	0	3	17	16	0	1·80	–
	Pitlochry (Faskally)	9 9 9	310	44·5	29·5	37·0	–	55	16,25	12	2	32·3	36·8	·74	–	·18	21	14	6	1	3	1	0	5	17	16	0	–	–
	Perth	9 9 9	77	43·9	32·1	38·0	-0·4	55	22	13	3	–	–	·75	34	·15	21	12	8	0	0	0	0	4	13	11	0	1·36	56
	Blairgowrie ...	9 9 9	200	43·6	28·5	36·1	–	55	25	11	2,3	31·9	–	·54	–	·14	21	10	6	0	0	0	0	5	20	16	4	–	–
	Glenshee Lodge	9 9 9	1100	43·3	26·6	34·9	–	50	24	12	2	–	–	·86	–	·14	21	17	9	6	1	0	0	2	17	18	0	–	–
Fife	Kirkcaldy ...	9 9 9	137	44·0	33·1	38·5	+0·6	53	25	16	3	–	–	·54	28	·18	21	14	6	0	0	0	0	4	13	14	0	1·36	–
	Cupar	9 9 9	82	45·1	–	–	–	54	22,27	–	–	35·8	–	·43	–	·12	21	10	4	0	0	0	0	3	–	14	0	–	–
	Lundin Links ...	9 9 9	40	45·0	34·2	39·6	–	54	22	21	2	–	–	·23	–	·09	26	5	2	0	0	0	0	8	9	–	0	1·46	–
	Leuchars... ...	21-9 9	33	45·0	35·0	40·0	+0·8	55	27	19	3	–	–	·22	13	·10	21	9	1	0	0	0	0	3	11	11	1	2·13	75
	St. Andrews ...	9 9 9	13	46·1	33·2	39·7	+0·7	57	24	16	3	36·9	39·3	·21	11	·10	21	6	2	–	0	–	–	2	15	14	0	2·18	79
Midlothian	Balerno	9 9 9	700	44·7	32·7	38·7	–	55	16	20	2,3	–	–	·85	–	·21	21,26	8	8	–	0	–	–	16	13	18	–	2·30	–
	Midcalder ...	9 9 9	400	43·3	33·1	38·2	–	55	16	17	1,3	–	–	·96	–	·18	21,26	12	7	0	0	0	0	5	13	13	0	1·39	–S
	Turnhouse ...	21-9 9	114	44·4	34·5	39·5	–	54	16,26	14	2	–	–	·46	28	·15	21	10	3	1	0	0	0	7	11	11	4	1·62	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	44·7	34·0	39·3	–	57	28	16	2	–	–	·37	–	·15	21	9	2	0	0	0	0	8	12	11	0	–	–
	Davidson's Mains	9 9 9	200	44·1	34·0	39·1	–	54	26	18	3	–	–	·51	–	·17	21	12	3	0	0	0	0	7	14	14	0	1·89	–
	Penicuik ...	9 9 9	620	43·3	32·0	37·7	–	51	25	15	3	34·4	–	·75	–	·20	21	13	8	3	0	0	0	6	15	14	1	1·61	–S
	Bush House ...	9 9 9	605	44·0	32·6	38·3	–	52	25	17	3	34·5	36·4	·42	–	·22	21	9	2	0	0	0	0	3	14	–	0	1·91	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	44·9	35·6	40·3	+1·5	55	25	23	1,3	–	–	·53	32	·18	21	10	4	0	0	0	0	4	9	12	0	2·41	90
	Liberton ...	9 9 9	200	45·3	34·3	39·8	–	57	18	18	2	–	–	·20	–	·20	21	1	1	–	0	–	–	4	13	–	–	1·94	–
	Botanic Garden	9 9 9	74	45·3	33·1	39·2	–	55	25	17	2	34·0	–	·33	–	·18	21	6	2	0	0	0	0	8	13	14	0	1·72	–
E. Lothian	Haddington ...	9 9 9	162	45·0	33·2	39·1	–	55	25	17	3	–	–	·25	–	·16	21	9	1	0	0	0	0	4	15	13	0	2·35	–
	North Berwick ...	9 9 9	51	45·6	35·6	40·6	+1·5	56	25,26	20	2	–	–	·32	22	·13	21	9	2	0	0	0	0	5	10	–	0	1·79	74
	Dunbar	9 9 9	75	46·1	36·1	41·1	–	57	25	20	2	–	–	·17	–	·14	21	4	1	0	0	0	0	0	8	13	0	2·86	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	43·6	33·2	38·4	+1·0	52	22	18	3	–	–	·55	25	·23	21	8	3	0	0	0	0	0	10	–	–	1·74	84S
	St. Abb's Head ...	9 9 9	245	43·2	36·7	39·9	–	51	22,26,27	26	3,9	–	–	·22	–	·19	21	2	1	0	0	0	0	3	7	9	4	–	–
Peebles	Broughton ...	9 9 9	741	43·8	31·7	37·7	–	55	23	14	3	–	–	1·24	–	·21	25	13	11	0	0	0	0	0	13	15	0	–	–
	Blyth Bridge ...	9 9 9	830	43·5	32·0	37·7	–	50	25	15	3	–	–	1·14	–	·24	21	17	10	0	0	0	0	2	13	15	1	2·53	–
	West Linton ...	9 9 9	800	42·7	31·0	36·9	–	50	27	14	3	32·3	37·4	1·04	–	·21	21	14	9	0	0	0	0	3	14	14	1	–	–
	Peebles	9 9 9	600																										
Selkirk	Selkirk (Bowhill)	9 9 9	600	43·4	31·8	37·6	–	51	22	14	3	–	–	·81	–	·40	21	9	6	0	0	0	0	8	14	–	1	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560	44·6	32·0	38·3	–	52	27	17	3,4	–	–	1·07	–	·33	27	9	7	–	0	–	–	0	12	–	–	–	–
	Sourhope ...	9 9 9	900	44·4	32·9	38·7	–	51	22	21	3	–	–	·45	–	·29	21	6	3	0	0	0	0	0	16	17	1	2·68	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21–9 9	29	47·5	42·0	44·7	+3·1	52	25,26	29	3	–	–	1·19	38	·32	20	15	8	0	0	2	0	0	1	4	1	2·29	98
	Rhuvaal	21–9 9	47	47·3	40·7	44·0	–	53	16,25	32	3	–	–	1·47	–	·27	24	12	11	0	0	0	0	0	1	4	2	–	–
	Colonsay ...	9 9 9	87	47·7	38·4	43·1	–	53	27	21	3	–	–	1·18	30	·23	20	17	9	–	–	–	–	0	4	–	–	–	–
	Tobermory ...	9 9 9	150																										
	Loch Shiel (Polloch)	9 9 9	33	48·7	35·2	41·9	–	54	15,24,25	16	3	–	–	3·34	–	·47	13	18	15	0	0	1	0	0	10	11	0	–	–
	Tarbert (Achaglachgach)	9 9 9	100																										
	Lephinmore ...	9 9 9	30	46·4	37·0	41·7	–	53	25	24	3	–	–	2·04	–	·40	23	13	10	0	0	0	0	2	9	11	0	2·26	– S
	Glenbranter ...	9 9 9	120	44·4	33·5	38·9	+0·2	55	16	16	3	–	–	3·26	42	·59	23,27	15	14	0	0	0	0	4	15	15	0	–	–
	Dunoon Waterworks	9 9 9	228	44·5	35·9	40·2	–	50	15,20,25	21	3	–	–	3·00	–	·52	27	13	12	–	0	–	–	5	8	7	0	–	–
	Dunoon (Benmore)	9 9 9	46	44·8	34·1	39·5	–	54	16	18	3	35·8	37·7	3·53	47	·55	23	15	13	0	0	0	0	–	14	9	0	–	–
Bute	Rothesay ¶§	9 9 9	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Millport	9 9 9	16	46·4	38·8	42·6	–	52	16,22	29	3	–	–	2·26	70	·65	23	16	13	0	0	0	0	–	–	–	–	1·95	96
Dunbarton	Helensburgh ...	9 9 9	293	42·6	34·2	38·4	–0·3	53	22	15	3	–	–	2·07	45	·34	24	14	13	1	0	0	0	4	13	–	0	0·90	45
Stirling	Stirling	9 9 9	151	44·1	33·7	38·9	–0·4	52	22,25,26	13	3	32·9	40·3	1·31	46	·24	27	14	10	0	0	0	0	5	11	11	0	–	–
	Falkirk	9 9 9	100	44·0	33·3	38·7	–	52	16,25	16	3	–	–	1·16	40	·20	14	14	9	1	0	0	0	8	13	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	44·3	36·5	40·4	+0·6	53	27	23	3,4	–	–	2·43	48	·47	27	14	13	2	0	0	0	7	9	8	0	0·62	– S
	Paisley	9 9 9	106	43·8	35·7	39·7	–0·2	52	16,22,26	22	3	37·2	41·7	1·64	47	·30	27	15	13	0	0	0	0	7	12	9	0	0·64	35
	Barrhead ...	9 9 9	97	43·4	34·1	38·7	–	52	22,25,26	18	3	–	–	2·00	–	·35	14	14	12	0	0	0	0	7	13	13	0	–	–
	Renfrew ... ¶§	21–9 9	26	43·5	36·3	39·9	+0·6	53	22,26	20	2,3	–	–	1·35	42	·24	27	16	11	0	0	0	0	8	10	10	2	0·52	28
Lanark	Thorntonhall ...	9 9 9	453	43·4	32·4	37·9	–	50	16,24,27	13	2	–	–	2·07	–	·36	14,26	14	13	0	0	0	0	–	13	14	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	42·6	35·1	38·9	–	52	26	21	3	–	–	1·70	59	·27	23,27	16	11	0	0	0	0	7	12	12	0	0·80	–
	Coatbridge ...	9 9 9	256	44·3	33·9	39·1	–	52	22,26	17	2	–	–	1·43	–	·23	14	13	10	0	0	0	0	8	13	–	0	–	–
	Coalburn ...	9 9 9	920	43·3	30·3	36·8	–	50	16,25,26	11	1	34·7	–	2·19	–	·47	14	15	13	0	0	0	0	2	13	13	5	2·66	–
	Leadhills ...	9 9 9	1270	43·0	31·7	37·3	–	52	8	17	3	–	–	2·33	–	·56	27	17	11	0	0	0	0	2	13	12	0	–	–
	Carnwath ...	9 9 9	706	43·1	31·7	37·4	–	50	26	12	3	–	–	·88	–	·17	21	12	9	0	0	0	0	3	11	16	0	–	–
Ayr	Colmonell.. ...	9 9 9	170	45·9	35·7	40·8	+1·0	52	16,24,27	19	3,4	–	–	1·85	63	·51	23	13	10	–	0	–	–	6	9	13	–	–	–
	Turnberry ...	9 9 9	25	46·9	36·0	41·5	+1·1	52	25,26	24	1,3,4	–	–	1·66	–	·38	23	10	9	–	0	–	–	1	10	–	–	1·91	–
	Largs (Woodbank)	9 9 9	25	46·7	37·1	41·9	–	54	22	22	3	–	–	2·01	57	·53	23	13	12	–	–	–	–	6	9	10	–	–	–
	Barr	9 9 9	400	46·7	32·4	39·5	–	53	10	15	3	–	–	2·93	–	·50	23	16	11	0	0	0	0	1	13	–	0	–	–
	Auchincruive ...	9 9 9	147	46·5	35·4	40·9	–	52	16,26	21	3	37·6	40·1	1·54	57	·28	14	13	10	0	0	0	0	1	10	17	0	2·57	–
	Prestwick ...	9 9 9	17	45·9	34·9	40·4	–	52	25,26,27	19	3	–	–	1·56	66	·30	14	13	9	0	0	0	0	1	12	10	0	1·92	–
	Prestwick Airport	21–9 9	30	46·3	36·4	41·3	–	53	25,26	18	3	–	–	1·47	59	·24	23	12	10	0	0	0	0	1	11	10	0	2·64	–
	Kilmarnock ...	9 9 9	115	46·4	34·7	40·5	+0·9	52	22,23	20	3	36·3	40·4	2·07	–	·37	14	14	11	0	0	0	0	1	11	13	0	–	–
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	43·9	32·7	38·3	–	50	22	18	3	–	–	1·66	–	·34	28	15	13	–	0	–	–	9	14	12	–	–	–
	Dumfries... ¶§	9 9 9	140	44·1	34·1	39·1	+0·2	53	22	20	3	36·7	39·4	1·11	39	·24	27	15	10	0	–	0	0	4	10	11	0	1·31	59
	Ruthwell... ...	9 9 9	95	44·0	33·5	38·7	+0·2	53	22	20	3	–	–	·86	37	·17	23	15	10	0	–	0	0	–	11	–	0	1·26	60 S
	Eskdalemuir ¶§	21–9 9	794	42·7	33·0	37·9	+1·8	51	8	13	3	36·7	40·0	2·05	45	·45	27	14	11	1	0	0	0	6	12	11	2	1·62	76
Kirkcud-bright	Bargrennan ...	9 9 9	360	45·2	33·5	39·3	–	52	22	20	4	–	–	2·66	–	·43	14	17	11	0	0	0	0	5	12	11	1	–	–
	Palnure	9 9 9	50	45·8	33·8	39·8	–	51	16,21,26	16	3	–	–	2·04	–	·38	23	14	11	1	0	0	0	1	10	–	0	–	–
	Glenlee	9 9 9	181																										
	Carsphairn (Dundeugh)	9 9 9	390	44·4	30·6	37·5	–	52	22	12	3	–	–	1·99	–	·48	14	15	12	0	0	0	0	3	15	–	1	–	–
	Glenlochar Barrage	9 9 9	154	44·2	34·0	39·1	–	51	16,21,26	21	3	–	–	1·75	–	·60	14	17	10	–	0	–	–	8	11	–	–	–	–
	Castle Douglas ...	9 9 9	196	43·8	34·1	38·9	–	51	26,27	20	2,3	36·9	–	1·39	–	·43	14	15	11	–	0	0	0	3	11	10	–	1·73	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	43·9	33·9	38·9	–	50	16	19	3	–	–	2·73	–	·64	23	16	13	0	0	0	0	5	12	14	1	1·97	–
	Mull of Galloway	21–9 9	257	45·3	39·9	42·6	–	51	10	32	3	–	–	1·51	–	·39	23	13	8	0	0	0	0	3	1	–	3	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21–9 9	55	46·2	40·2	43·2	–	51	10,21,26	25	2	–	–	·82	35	·26	23	9	7	0	0	0	0	1	2	6	0	1·57	–
	Douglas	9 9 9	284	45·8	38·8	42·3	+1·7	51	10	31	3	–	–	1·43	46	·38	14	16	11	0	0	0	0	4	2	4	0	1·76	75
	Point of Ayre ...	21–9 9	30	47·0	38·9	42·9	–	56	26	29	3	–	–	·85	41	·24	23	10	6	0	0	0	0	3	2	–	0	2·47	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	42·3	31·7	37·0	–	52	27	18	2	35·7	–	1·71	48	·36	28	14	8	0	0	0	0	0	14	17	0	–	–
	Bellingham ...	9 9 9	849	42·3	32·1	37·2	+1·4	52	27	21	9	–	–	·78	30	·32	21	11	6	0	0	0	0	5	15	–	6	–	–
	Allendale Town ...	9 9 9	795	44·1	33·0	38·5	–	53	27	22	2,9	–	–	·52	–	·20	21	8	4	0	0	1	0	2	12	–	0	–	–
	Haydon Bridge ...	9 9 9	270	44·4	32·7	38·5	–	55	25,27	19	1,2	36·8	39·6	·55	–	·25	21	6	4	0	0	0	0	4	17	14	1	1·78	–
	Berwick-on-Tweed	9 9 9	76	44·6	34·5	39·5	+0·2	54	27	22	3,4	–	–	·23	15	·15	21	4	1	0	0	0	0	1	10	11	1	1·80	69
	Cockle Park ¶§	9 9 9	326	44·5	33·7	39·1	+1·1	56	25	24	11	37·0	38·1	·34	18	·22	21	6	2	0	0	0	0	2	14	12	1	1·95	80
	Acklington ...	21–9 9	138	45·1	34·9	40·0	–	56	25	25	3,11	–	–	·26	–	·23	21	4	1	0	0	0	0	1	13	12	0	2·13	–
	Tynemouth ...	21–9 9	95	44·9	38·0	41·5	+1·2	55	25,27	29	11	–	–	·47	28	·39	21	3	2	0	0	0	0	2	6	8	0	1·21	–
Durham	Chopwellwood ...	9 9 9	446	45·5	34·4	39·9	+2·0	58	25	27	1,2,18	–	–	·77	39	·65	21	5	2	0	0	0	0	1	12	14	1	–	–
	Ushaw College ...	9 9 9	594	44·0	34·1	39·1	+1·3	55	27	26	11	–	–	·60	29	·49	21	3	2	0	0	0	0	8	12	–	0	–	–
	Houghall... ...	9 9 9	160	45·4	32·4	38·9	+0·5	57	27	22	1	–	–	·60	32	·46	21	3	2	0	0	0	0	6	15	13	0	1·44	65S
	Durham ... ¶§	9 9 9	336	44·5	33·5	39·0	+0·7	56	27	25	11	36·5	39·8	·59	33	·46	21	3	2	0	0	0	0	6	14	13	0	1·28	55
	Gateshead ...	9 9 9	509	44·0	35·7	39·9	–	55	27	29	7,10,18	–	–	·66	–	·51	21	5	2	–	0	–	–	4	11	9	–	1·45	–
	Middleton St. Gge.	21–9 9	115	45·0	36·2	40·6	–	56	27	29	1,2	–	–	·63	–	·42	21	3	3	0	0	0	0	7	10	9	0	1·29	–
	West Hartlepool	9 9 9	30	46·3	37·4	41·9	–	57	27	30	18	–	–	·53	–	·36	21	5	2	0	0	0	0	4	7	5	0	1·59	–
Yorks.,	Dishforth ...	21–9 9	106	45·6	35·8	40·7	–	59	27	28	2	–	–	·17	10	·07	21	4	2	0	0	0	0	8	11	10	0	1·41	–
N. Riding	York ... ¶§	9 9 9	57	45·3	35·8	40·5	+0·9	60	28	26	2	37·5	39·6	·27	16	·19	21	4	2	0	0	0	0	11	8	–	0	0·84	42S
	Ampleforth ...	9 9 9	313	44·4	35·0	39·7	–	57	28	28	18	–	–	·50	23	·35	21	2	2	0	–	0	0	10	12	14	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding—cont.	Redcar	9 9 9	25	46·9	–	–	–	57	25,27	–	–	–	–	·54	35	·38	21	4	2	0	0	0	0	3	–	–	0	1·60	
	Whitby	9 9 9	135	46·5	36·0	41·3	–	58	28	28	2	–	–	·43	22	·29	21	3	3	0	0	0	0	2	6	10	0	1·57	–
	Scarborough ¶§	9 9 9	118	45·4	37·5	41·5	+0·8	59	28	31	7,8	–	–	·41	23	·27	21	3	2	0	0	0	0	3	4	7	0	1·34	60
	Silpho Moor ...	9 9 9	665	43·3	34·8	39·1	–	56	28	27	7	36·8	–	·48	–	·29	21	4	2	–	–	–	–	–	12	12	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	43·0	34·5	38·7	–	57	28	28	2,7	37·2	–	·35	–	·34	21	2	1	0	0	0	0	6	12	13	0	1·41	–
	Driffield	21–9 9	69	44·9	35·9	40·4	–	60	28	25	2	–	–	·35	–	·25	21	4	1	0	0	0	0	4	9	5	1	1·34	–
	Hull	9 9 9	8	46·2	36·3	41·3	+1·2	63	28	27	2	38·2	40·7	·22	12	·14	21	3	2	0	0	0	0	2	7	4	0	1·58	79
	Filey	9 9 9	122	45·1	35·8	40·5	–	59	28	27	2	–	–	·43	–	·23	21	2	2	0	0	0	0	5	7	5	0	1·42	–
	Bridlington ...	9 9 9	157	44·9	35·9	40·4	–	60	28	30	18	–	–	·40	–	·27	21	2	2	0	0	0	0	6	7	4	0	1·69	–
	Spurn Head ...	21–9 9	29	45·0	37·3	41·1	+1·4	61	28	31	18	–	–	·28	–	·21	21	2	2	0	0	0	0	4	3	–	0	2·69	108
Lincoln	Gunby	9 9 9	443	43·7	33·1	38·4	–	62	28	24	18	–	–	·05	–	·04	21	2	1	–	0	–	–	8	16	–	–	–	–
	Waddington ...	21–9 9	224	44·8	35·1	39·9	–	63	28	27	2	–	–	·32	–	·20	21	4	2	0	0	1	0	9	10	6	0	2·31	–
	Lincoln	9 9 9	22	45·4	33·7	39·5	–	63	28	22	2	37·2	38·9	·29	–	·17	21	2	2	0	0	0	0	7	13	11	0	1·91	–
	Cranwell ... ¶§	9 9 9	205	45·2	33·9	39·5	+0·7	63	28	27	18	39·2	42·9	·37	22	·31	21	2	2	0	0	0	0	7	14	9	0	2·56	104
	Horncastle ...	9 9 9	205	44·9	34·2	39·5	–	64	28	29	18,19	37·5	40·4	·22	–	·12	21	4	2	–	0	–	–	7	15	8	0	–	–
	Cleethorpes ...	9 9 9	23	46·2	36·2	41·2	–	64	28	30	18	–	–	·31	–	·20	21	2	2	0	0	0	0	9	5	4	0	2·37	–
	Manby	21–9 9	55	45·9	35·4	40·7	–	63	28	27	2	–	–	·21	–	·09	14	4	2	0	0	0	0	4	8	7	0	2·64	–
	Skegness	9 9 9	15	45·2	35·5	40·3	+1·1	61	28	29	19	–	–	·17	11	·11	21	4	2	0	0	0	0	2	7	5	0	2·66	108
3 ENGLAND, E.																												
Norfolk	Terrington St. Clement ...	9 9 9	13	44·7	34·5	39·6	–	63	28	29	19	38·2	–	·10	7	·06	21	4	1	0	0	0	0	5	9	9	0	2·25	–
	Marham	21–9 9	76	44·9	34·0	39·5	–	63	28	24	19	–	–	·10	–	·08	21	2	1	0	0	0	0	7	11	11	0	–	–
	Santon Downham	9 9 9	80	45·9	31·3	38·6	–	65	28	27	2	37·6	39·6	·17	–	·17	21	1	1	–	0	–	–	–	15	16	0	2·16	–
	West Raynham ...	21–9 9	250	43·9	34·3	39·1	–	62	28	28	17	–	–	·26	–	·20	21	3	2	0	0	0	0	5	13	10	0	2·84	–
	Cromer	9 9 9	178	45·7	35·3	40·5	+0·8	65	28	30	14,15	–	–	·21	12	·14	21	5	1	0	0	0	0	3	4	6	0	2·81	107
	Sprowston ¶§	9 9 9	93	45·3	34·6	39·9	+0·8	64	28	28	19	–	–	·23	13	·17	21	4	2	1	0	0	0	–	8	10	0	2·44	99
	Burlingham ...	9 9 9	89	45·0	35·0	40·0	–	62	28	31	14,17	–	–	·18	11	·15	21	2	1	1	0	1	0	3	5	8	0	2·31	–
	Gorleston ¶§	21–9 9	5	44·5	36·5	40·5	+0·5	57	27	32	19	39·8	42·3	·15	9	·15	21	1	1	0	0	0	0	3	1	3	0	2·49	99
Suffolk	Mildenhall ...	21–9 9	15	45·7	35·3	40·5	–	64	28	28	1	–	–	·07	5	·07	21	2	1	0	0	0	0	7	9	9	0	2·19	–
	East Bergholt ...	9 9 9	14	44·3	33·5	38·9	–	62	28	27	6,19	–	–	·11	–	·08	21	4	1	0	0	0	0	4	12	18	0	–	–
	Felixstowe ...	21–9 9	10	42·3	35·3	38·8	–0·9	54	24	29	17,19	–	–	·15	11	·13	21	2	1	0	0	0	0	6	4	9	0	2·67	99
	Lowestoft ...	9 9 9	82	44·4	35·5	39·9	+0·6	56	24	30	19	39·0	40·6	·17	11	·16	21	2	1	0	0	0	0	2	4	3	0	2·44	92
Cambridge	Boxworth ...	9 9 9	157	45·4	33·9	39·7	–	63	28	29	1,2	–	–	·12	9	·12	21	1	1	0	0	0	0	3	14	12	0	2·39	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	45·6	33·6	39·6	+0·1	64	28	27	19	38·0	40·7	·11	8	·11	21	1	1	0	0	0	0	4	12	13	0	2·36	100
Huntingdon	Wyton	21–9 9	129	44·9	34·0	39·5	–	64	28	24	1	–	–	·12	–	·09	21	2	1	0	0	0	0	7	13	9	0	–	–
Bedford	Woburn	9 9 9	291	43·6	33·4	38·5	–0·2	62	28	24	19	37·3	42·3	·05	3	·03	21	3	0	0	0	0	0	7	16	11	0	2·49	106
	Harrold	9 9 9	150	44·9	33·0	38·9	–	64	28	24	19	38·4	41·3	·05	–	·03	21	3	0	0	0	0	0	6	13	17	0	–	–
	Dunstable ...	21–9 9	510	43·7	33·3	38·5	–	63	28	26	18	37·2	41·7	·05	–	·03	21	2	0	1	0	0	0	10	17	15	0	2·08	–
	Goldington ...	9 9 9	107	45·2	34·3	39·7	–	64	28	29	18,19	–	–	·09	–	·06	21	4	1	0	0	0	0	2	12	18	0	–	–
	Luton	9 9 9	379	44·5	33·1	38·8	+0·1	63	28	27	6	37·4	–	·03	2	·02	21	2	0	–	0	–	–	8	16	15	0	2·03	90
	Silsoe	9 9 9	195	44·7	33·7	39·2	–	63	28	28	19	37·8	41·4	·05	4	·04	21	2	1	0	0	0	0	5	12	14	0	2·55	–
	Cardington ...	21–9 9	93	45·3	33·6	39·5	–	64	28	25	19	–	–	·07	5	·06	21	2	1	0	0	0	0	5	13	20	0	2·52	–
Hertford	Bovingdon ...	21–9 9	516	43·2	32·8	38·0	–	62	28	25	6,17	–	–	·04	–	·03	21	1	0	0	0	0	0	13	17	15	0	–	–
	Garston	9 9 9	263	44·7	33·3	39·0	–	64	28	25	19	–	–	·07	–	·03	21	3	0	0	0	0	0	–	14	12	0	1·76	–
	Rothamsted ¶§	9 9 9	420	43·5	32·6	38·1	–0·2	63	28	26	17	36·9	40·8	·05	3	·02	21	4	0	0	0	0	0	7	17	15	0	2·20	90
	St. Albans ...	9 9 9	272	44·0	33·2	38·6	–0·2	62	28	25	19	37·1	–	·08	5	·04	12	3	1	0	0	0	0	5	14	13	0	–	–
	Bayfordbury ...	9 9 9	221	44·3	33·3	38·8	–	62	28	26	19	–	–	·09	6	·03	21	5	0	0	0	0	0	–	13	14	0	2·08	–
	Stanstead Abbotts	9 9 9	97	44·8	33·0	38·9	–	62	28	26	20	39·0	41·3	·06	–	·03	21	3	0	–	0	–	–	8	15	12	0	–	–
	Eastwick Lodge...	9 9 9	137	44·6	33·3	38·9	–	63	28	27	19	–	–	·07	·4	·03	21	4	0	–	0	–	–	6	16	–	0	–	–
Essex	Stansted ...	9 9 9	330	43·9	33·3	38·6	–	62	28	25	19	–	–	·07	–	·06	21	2	1	0	0	0	0	8	17	13	0	–	–
	Saffron Walden	9 9 9	295	44·7	33·0	38·9	–	64	28	27	17	37·9	41·2	·07	–	·07	21	1	1	0	0	0	0	11	18	12	0	–	–
	Writtle	9 9 9	105	44·8	33·4	39·1	–	63	28	28	19	–	–	·02	1	·02	21	1	0	0	0	0	0	4	15	27	0	2·01	–
	Coryton	9 9 9	9	45·5	35·9	40·7	–	64	28	30	5	39·5	43·4	·04	–	·01	17,21	4	0	0	0	0	0	12	3	9	0	–	–
	Southend ...	9 9 9	90	44·4	34·9	39·7	–	65	28	31	5,19	–	–	·08	6	·04	21	3	1	0	0	0	0	7	5	5	0	2·24	85
	Maldon	9 9 9	14	44·4	33·2	38·8	–	63	28	27	19	–	–	·10	–	·06	21	5	1	0	–	0	0	14	11	–	0	2·19	–
	Earls Colne ...	9 9 9	160																										
	Shoeburyness ¶§	21–9 9	11	44·2	35·5	39·9	–0·3	61	28	30	5,19	–	–	·06	5	·03	21	2	0	0	0	0	0	6	5	13	0	2·41	91
	Clacton	9 9 9	53	42·3	35·2	38·7	–	52	24,28	28	19	38·6	41·3	·04	3	·03	21	1	0	0	0	0	0	7	5	9	0	2·69	100
	Walton-on-Naze	9 9 9	35	43·1	34·9	39·0	–	57	28	27	19	–	–	·10	–	·07	21	2	1	–	–	–	–	8	6	7	0	2·57	–
	Dovercourt ...	9 9 9	11	44·0	33·7	38·9	–	59	28	27	19	–	–	·09	–	·08	21	2	1	–	–	–	–	4	7	12	0	2·43	–
4 MIDLAND COUNTIES																												
Yorks., W. Riding	Slaidburn ...	9 9 9	629	43·0	33·9	38·5	–	56	27	22	18	–	–	1·04	–	·35	23	11	7	0	0	0	0	6	13	12	0	1·29	–
	Malham Tarn ...	9 9 9	1297	40·4	32·7	36·5	–	50	27	24	7	36·5	–	1·78	–	·49	23	12	7	0	0	0	0	11	14	17	0	–	–
	Bingley	9 9 9	610	43·9	35·1	39·5	–	56	27,28	27	2,18	–	–	·24	8	·10	21	5	3	0	0	0	0	4	13	12	0	–	–
	Huddersfield §	9 9 9	325	45·3	35·5	40·4	+1·8	60	28	22	2	37·0	39·2	·08	–	·04	21	4	1	–	0	–	–	9	10	10	0	1·43	100
	,, (Oakes)	21–9 9	762	43·7	35·7	39·7	+2·1	60	28	28	2,7,9	37·0	39·3	·20	6	·04	23	11	1	0	0	0	0	5	10	12	0	1·27	–
	Bradford ¶	9 9 9	439	44·3	35·8	40·1	+2·0	58	28	25	2	35·8	38·3	·17	6	·07	21	6	2	0	0	0	0	5	10	12	0	–	–
	Ilkley	9 9 9	315	44·9	35·4	40·1	+2·1	59	28	25	2	–	–	·25	8	·11	21	5	2	0	0	0	0	4	12	–	1	1·43	79
	Sheffield	9 9 9	429	45·6	36·8	41·2	+2·0	60	28	29	7,8	37·3	40·1	·08	3	·05	21	4	1	0	0	0	0	–	7	12	0	1·77	98
	Wakefield ...	9 9 9	121	46·2	35·0	40·6	+1·3	62	27	23	2	37·9	40·7	·07	3	·04	21	2	1	0	0	0	0	8	10	11	0	–	–
	Killinghall ...	9 9 9	365	44·3	35·4	39·9	–	58	27,28	26	2	37·0	–	·04	–	·02	21	3	0	0	–	–	0	6	11	15	0	1·34	–
	Pontefract ...	9 9 9	255	45·5	35·2	40·3	+1·6	59	27,28	26	18	–	–	·08	4	·03	21,23	3	0	0	0	0	0	8	9	6	0	1·75	–
	Bramham ...	9 9 9	177	44·6	34·5	39·5	–	60	27,28	26	2	–	–	·06	–	·03	21,23	2	0	0	0	0	0	8	14	16	0	1·20	–
	Cawood	9 9 9	20	44·9	34·7	39·8	–	60	28	26	2	36·9	38·5	·11	7	·08	21	3	1	0	0	0	0	7	12	17	0	1·03	–
	Askham Bryan ...	9 9 9	90	45·0	34·9	39·9	–	60	28	28	2,3	–	–	·19	11	·13	21	4	2	1	0	0	0	7	11	13	0	1·00	–
Derby	Buxton	9 9 9	1007	41·8	33·4	37·6	+1·4	55	28	24	2	36·8	38·2	·77	19	·40	21	10	4	0	0	0	0	12	13	12	0	–	–
	Chapel en le Frith	9 9 9	728	43·9	33·1	38·5	–	57	27	26	2,18	–	–	·53	–	·32	21	7	3	0	0	0	0	8	16	16	0	–	–
	Wirksworth ...	9 9 9	565	44·8	34·1	39·5	–	60	28	26	18	–	–	·13	–	·07	14	4	1	0	0	0	0	10	11	13	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	45·8	35·0	40·4	–	62	28	26	19	–	–	·15	–	·15	14	1	1	0	0	0	0	9	12	8	0	1·34	–
Morley	9 9 9	350	44·0	34·1	39·1	–	61	28	29	1,9,19	–	–	·16	–	·16	14	1	1	0	0	0	0	–	13	6	0	1·70	– S
Chesterfield	9 9 9	298	44·0		–		59	28	27	7,18	–	–	·12	–	·08	21	2	2	0	0	0	0	2	–	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	44·5	33·5	39·0	+0·1	63	28	21	2	38·7	40·7	·10	6	·10	14	1	1	0	0	0	0	8	13	12	0	1·93	91
Watnall	21–9 9	385	44·5	35·1	39·8	–	63	28	29	1,7,18	–	–	·20	10	·17	14	3	1	0	0	0	0	11	11	11	0	1·66	–
Mansfield	9 9 9	357	44·7	34·6	39·7	+1·3	60	28	27	2	–	–	·18	9	·15	14	3	1	0	0	0	0	11	10	12	0	–	–
Nottingham ¶§	9 9 9	192	44·6	34·9	39·7	+0·2	62	28	27	19	37·2	38·0	·15	9	·15	14	1	1	0	0	0	0	7	11	10	0	1·65	86
Warsop	9 9 9	150	45·5	33·6	39·5	–	61	28	23	2	–	–	·13	8	·09	14	5	1	0	0	0	0	6	13	14	0	1·92	–
Finningley	21–9 9	34	45·9	35·8	40·9	–	62	28	26	2	–	–	·08	–	·03	21	3	0	0	0	0	0	6	8	9	0	1·99	– S
Langar	21–9 9	106	45·4	34·4	39·9	–	63	28	24	1,2,19	–	–	·12	–	·11	14	1	1	0	0	0	0	7	12	8	0	–	–
Leicester Leicester (Towers)	9 9 9	267	44·7	33·6	39·1	–	65	28	27	1,2	37·9	41·2	–	–	–	–	–	–	0	0	0	0	8	14	14	0	1·88	–
Caldecott	9 9 9	175	45·6	31·4	38·5	–	64	28	21	2	–	–	·05	–	·04	21	2	1	–	0	–	–	16	17	17	0	2·26	–
Northampton Wellingborough	9 9 9	298	44·4	33·5	38·9	–	63	28	28	18	–	–	·09	–	·03	2,21	4	0	0	0	0	0	9	14	15	0	–	–
Kettering	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	44·7	32·9	38·8	–	65	28	26	19	36·9	41·5	·08	5	·06	21	2	1	0	0	0	0	8	15	13	0	–	–
Wittering	21–9 9	216	44·6	34·1	39·3	–	63	28	27	18	–	–	·09	–	·08	21	1	1	0	0	0	0	8	12	12	0	2·66	–
Warwick Birmingham ¶§	21–9 9	536	43·5	35·9	39·7	+0·5	60	28	28	9	40·7	43·8	·19	9	·08	21	4	2	0	0	0	0	8	7	12	0	1·50	75
Luddington	9 9 9	138	44·5	33·9	39·2	–	64	28	27	19	–	–	·05	3	·02	9,14	3	0	0	0	0	0	5	13	13	0	1·86	–
Stratford on Avon	9 9 9	160	44·7	33·8	39·3	–	64	28	24	19	38·2	–	·07	–	·02	9,14	4	0	0	0	0	0	6	13	17	0	1·70	–
Elmdon	21–9 9	324	43·8	34·7	39·3	–	61	28	25	2	–	–	·09	5	·04	21	3	1	0	0	0	0	8	11	12	0	1·70	–
Shipston on Stour	9 9 9	365	43·6	33·3	38·5	–	63	28	22	20	37·9	–	·07	–	·03	9,23	3	0	0	0	0	0	10	15	15	0	1·97	–
Wellesbourne	9 9 9	153	44·1	33·9	39·0	–	62	28	28	2,19	37·9	40·0	·10	6	·08	14	3	1	0	0	0	0	7	14	18	0	1·74	–
Moreton Morrell	9 9 9	280	44·1	31·7	37·9	–	63	28	19	19	–	–	·07	–	·05	14	2	1	0	0	0	0	11	18	15	0	1·81	–
Coventry	9 9 9	338	43·9	33·0	38·5	–0·5	62	28	27	18,19	37·8	40·3	·08	4	·03	9,14	3	0	0	0	0	0	6	15	–	0	1·81	92
Rugby	9 9 9	385	43·4	33·7	38·5	–	64	28	27	20	37·5	39·6	·04	–	·03	14	2	0	0	0	0	0	–	13	10	0	–	–
Oxford Oxford ¶§	9 9 9	208	44·8	34·3	39·5	–0·6	64	28	26	6	37·0	39·8	·08	4	·02	9,23	6	0	0	0	0	0	9	14	15	0	2·34	95
Buckingham Aylesbury	9 9 9	316	44·4	32·9	38·7	–	64	28	22	2	–	–	·01	–	·01	9	1	0	0	0	0	0	12	15	17	0	2·17	–
Bletchley	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	43·6	34·4	39·0	–	56	27,28	28	2,10,18	37·7	40·4	·44	18	·37	21	5	1	0	0	0	0	11	10	12	0	1·63	–
Oaken	9 9 9	409	43·7	33·7	38·7	–	60	28	27	2	38·5	–	·38	–	·26	21	4	2	0	0	–	–	–	13	13	–	–	–
Wheaton Aston	9 9 9	365	43·9	34·5	39·2	–	59	28	28	9,10	38·7	–	·35	–	·30	21	4	1	0	0	0	0	7	12	16	0	1·51	–
Stone	9 9 9	350	44·1	34·1	39·1	–	59	28	28	9	–	–	·48	–	·36	21	5	3	0	0	0	0	11	12	17	0	1·35	–
Penkridge	9 9 9	330	44·1	34·0	39·1	–	60	28	26	2	–	–	·09	–	·03	9,14	4	0	0	0	0	0	9	13	10	0	–	–
Onecote	9 9 9	1350	40·8	32·1	36·5	–	54	28	25	7,8,10	34·9	39·2	1·04	–	·90	21	3	3	0	0	0	0	9	15	18	0	1·39	–
Shropshire Oswestry	9 9 9	570	45·0	34·4	39·7	–	59	18,27	25	18	–	–	·50	–	·25	28	6	4	0	0	0	0	6	11	15	0	2·20	–
Shrewsbury	9 9 9	184	46·0	35·7	40·9	–	60	28	27	2	40·0	43·2	·20	12	·08	14	5	3	0	0	0	0	6	11	11	0	1·95	–
Shawbury	21–9 9	235	45·1	35·3	40·2	–	61	28	25	2	–	–	·19	11	·06	14	4	3	0	0	0	0	6	13	8	0	1·76	– S
Newport	9 9 9	211	45·0	34·0	39·5	–	61	28	23	2	–	–	·28	16	·15	21	4	1	0	0	0	0	4	11	13	0	1·52	– S
Worcester Malvern	9 9 9	203	44·7	34·4	39·5	–0·2	62	28	27	20	38·6	42·0	·13	6	·06	23	6	1	0	0	0	0	8	11	13	0	1·74	69 S
Worcester (Redhill)	9 9 9	190	44·7	34·4	39·5	–	62	28	28	6,9,19	–	–	·10	6	·05	23	3	2	0	0	0	0	6	12	13	0	1·76	–
Droitwich	9 9 9	106	44·8	34·1	39·5	–	62	28	27	19	–	–	·15	–	·12	23	3	1	0	0	0	0	4	13	–	0	1·72	–
Pershore (Institute of Horticulture)	9 9 9	130	44·3	34·6	39·5	–	61	28	28	6,18,19	–	–	·11	–	·06	10	3	2	0	0	0	0	3	13	16	0	1·79	–
Pershore	21–9 9	110	44·5	34·7	39·6	–	62	28	27	2,19	–	–	·13	–	·07	23	2	2	0	0	0	0	9	12	12	0	1·81	–
Halesowen	9 9 9	505	43·1	33·8	38·5	–	60	28	27	9,10,18	38·7	41·6	·24	–	·10	14	4	3	0	0	0	0	8	12	11	0	1·49	–
Hereford Lyonshall	9 9 9	510	44·6	33·9	39·3	–	61	28	26	6,18	–	–	·28	–	·16	9	3	2	0	0	–	–	–	13	17	–	–	–
Ross-on-Wye ¶§	21–9 9	223	44·9	35·6	40·3	–0·3	61	28	25	6	38·8	41·3	·16	8	·13	9	2	1	0	0	0	0	7	10	14	0	1·83	75
Preston Wynne	9 9 9	274	44·5	33·9	39·2	–	59	28	25	19	–	–	·16	–	·09	9	5	2	0	0	0	0	8	11	14	0	1·98	–
Gloucester Bristol (Filton)	21–9 9	192	44·5	35·0	39·7	–	62	28	25	19	–	–	·28	13	·28	9	1	1	0	0	0	0	5	11	11	0	2·11	–
Ruscombe	9 9 9	610	43·9	33·6	38·7	–	61	28	26	18	–	–	·25	11	·20	9	3	1	0	0	0	0	10	13	–	0	–	–
Cirencester	9 9 9	443	43·7	33·2	38.5	–	61	28	25	6	–	–	·16	7	·13	9	2	1	0	0	0	0	8	15	15	0	2·43	–
Little Rissington	21–9 9	740	42·4	33·5	37·9	–	60	28	26	18,20	–	–	·03	1	·02	23	2	0	1	0	0	0	18	16	14	0	2·03	–
5 ENGLAND, S.E.																												
London Kensington	9 9 9	81	45·6	35·6	40·6	–0·5	65	28	31	20	38·9	41·8	·08	5	·07	21	2	1	0	0	0	0	4	5	9	0	–	–
Hampstead	9 9 9	450	43·6	33·7	38·7	+0·1	63	28	29	20	–	–	·13	7	·07	21	7	1	0	0	–	15	15	0	2·27	103			
Westminster	9 9 9	27	45·6				63	28	31	20	–	–	·07	5	·07	21	1	1	0	–	0	0	–	1	17	–	–	–
Regent's Park	9 9 9	129	45·7	35·6	40·7	–	65	28	31	5,20	–	–	·08	–	·08	21	1	1	–	0	–	–	3	5	15	–	1·78	111
Camden Square	9 9 9	121	45·1	35·3	40·2	–0·4	63	28	31	2,5,20	37·8	41·3	·06	4	·06	21	1	1	0	0	0	0	–	5	15	0	–	–
Kingsway	—	—																									1·95	–
Bunhill Row	—	—																									1·69	110
Greenwich (Maritime Museum)	9 9 9	24	45·7	34·8	40·3	–	66	28	29	5	–	–	·04	3	·04	21	1	1	0	0	0	0	5	5	17	0	1·47	–
Middlesex London Airport	21–9 9	82	45·3	34·6	39·9	–	63	28	28	19,20	–	–	·10	6	·06	21	2	1	0	0	0	0	7	9	13	0	1·96	–
Hampton	9 9 9	39	45·5	34·2	39·9	–	63	28	29	19,20	–	–	·06	–	·05	21	2	1	0	0	0	0	10	9	16	0	2·16	–
Wealdstone	9 9 9	175																										
Southgate	9 9 9	221	44·9	34·1	39·5	–	64	28	29	19	38·8	–	·04	–	·03	21	2	0	0	0	0	0	7	13	13	0	1·75	–
Surrey Farnham	9 9 9	260																										
Wisley	9 9 9	150	45·3	34·1	39·7	–0·4	63	28	25	19	38·5	41·4	·08	4	·04	21	2	1	0	0	0	0	6	10	18	0	2·02	91
Great Bookham	9 9 9	466	44·7	33·2	38·9	–	(62)	(28)	(25)	(19)	38·8	–	·07	–	·05	21	2	1	0	0	0	0	12	16	17	0	2·46	–
Mickleham	9 9 9	179	45·7	31·1	38·4	–	62	28	22	2	–	–	·05	2	·05	21	1	1	0	0	0	0	6	15	17	0	–	–
Kew Observatory ¶§	21–9 9	18	45·1	35·9	40·5	–0·6	61	28	29	19	38·5	42·4	·09	6	·07	21	2	1	1	0	0	0	7	4	17	0	2·09	98
Gatwick	21–9 9	194	45·4	32·7	39·1	–	62	28	25	5,19	–	–	·06	–	·04	21	2	1	0	0	0	0	7	15	14	0	2·51	–
Croydon (Waddon)	9 9 9	220	45·5	34·1	39·8	–	62	28	25	19	–	–	·05	–	·05	21	1	1	–	–	–	–	–	13	–	–	–	–
Addington	9 9 9	474	44·4	33·6	39·0	0·0	61	27,28	29	1,3,5	–	–	·09	4	·07	21	3	1	–	–	–	–	9	18	–	–	–	–
Kent Bromley	9 9 9	213	45·5	35·0	40·3	+0·2	64	28	28	19	–	–	·09	4	·06	21	2	1	0	0	0	0	7	9	–	0	–	–
Swanley	9 9 9	177	45·1	33·7	39·4	–	63	28	27	5,19	39·2	–	·05	–	·05	21	1	1	0	0	0	0	7	12	17	0	2·11	–
Dartford	9 9 9	17	46·2	34·3	40·3	–	64	28	28	5	–	–	·03	–	·03	21	1	0	0	0	0	0	6	8	–	0	–	–
Tunbridge Wells	9 9 9	351	44·1	31·7	37·9	–1·0	62	28	23	5	36·7	39·4	·05	2	·03	21	2	0	0	0	0	0	10	17	15	0	2·50	97
West Malling	21–9 9	304	44·3	32·6	38·5	–	63	28	24	19	–	–	·08	4	·03	21	5	0	0	0	0	0	12	21	15	0	2·41	–
Goudhurst	9 9 9	290	44·3	32·0	38·1	–	61	28	23	5	–	–	·05	2	·02	21,22	3	0	0	0	0	0	7	16	17	0	–	–
East Malling ¶§	9 9 9	122	45·6	32·9	39·3	–0·2	63	28	25	19	–	40·3	·09	5	·03	23	6	0	0	0	0	0	8	12	13	0	2·54	108

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	45·6	35·1	40·3	–	65	28	28	5	–	–	·03	–	·01	2,21	3	0	0	0	0	0	7	7	–	0	2·30	–
	Sittingbourne ...	9 9 9	224	44·7	34·3	39·5	–	62	28	27	5,19	38·1	40·9	·03	–	·02	21	2	0	0	0	0	0	10	9	12	0	2·55	–
	Isle of Grain ...	9 9 9	9	45·4	36·2	40·8	–	63	28	30	19	–	–	·03	–	·02	21	2	0	0	0	0	0	4	2	6	0	2·25	–
	Throwley ...	9 9 9	493	43·5	33·1	38·3	–	60	28	25	5	38·1	41·9	·03	–	·02	21	2	0	0	0	0	0	11	16	16	0	2·85	–
	Faversham ...	9 9 9	157	44·4	34·1	39·3	–	61	28	25	19	38·2	40·7	·02	–	·02	21	1	0	0	0	0	0	7	9	12	0	2·70	–
	Dungeness ...	21–9 9	10	42·5	35·5	39·0	–	53	28	24	5	–	–	·07	4	·05	22	2	1	–	–	–	–	–	5	–	–	–	–
	Wye	9 9 9	185	44·2	33·4	38·8	–0·6	61	28	26	5	–	–	·05	2	·03	22	3	0	0	0	0	0	18	11	11	0	2·46	93
	Whitstable ...	9 9 9	9	45·0	35·0	40·0	–	63	28	23	5	–	–	·02	1	·02	22	1	0	0	0	0	0	3	6	–	0	2·33	–
	Folkestone ...	9 9 9	128	43·6	35·4	39·5	–	56	28	30	6,19	–	44·4	·04	2	·03	21	2	0	0	0	0	0	8	5	11	0	2·60	–
	Wingham (Elmstone)	9 9 9	28	44·9	33·5	39·2	–	64	28	24	5	–	–	·02	–	·02	21	1	0	0	0	0	0	5	6	7	0	–	–
	Herne Bay ...	9 9 9	21	44·3	35·7	40·0	–	63	28	27	5	–	–	Trace	0	Trace	5,21	0	0	0	0	0	0	5	5	–	0	2·51	–
	Dover	9 9 9	19	43·3	35·4	39·3	–1·4	55	28	29	5,19	40·4	42·6	·02	1	·01	21,24	2	0	0	0	0	0	5	5	5	0	2·47	–
	Ramsgate ...	9 9 9	80	43·4	36·6	40·0	–	54	27	30	6	–	–	·05	3	·03	21	3	0	0	0	0	0	3	2	–	0	2·61	94
	Margate	9 9 9	51	44·1	36·3	40·2	–0·9	62	28	28	6	–	43·4	·04	3	·03	21	2	0	0	0	0	0	4	3	4	0	2·54	90
Sussex	Thorney Island ...	21–9 9	10	44·5	34·6	39·5	–	57	22,28	27	6	–	–	·06	–	·03	11	3	0	0	0	0	0	9	9	12	0	2·32	–
	Bognor Regis ...	9 9 9	24	42·6	34·8	38·7	–2·2	52	28	28	5,6,19	–	–	·05	2	·04	11	2	1	0	0	0	0	8	10	10	0	2·38	81
	Fernhurst ...	9 9 9	188	44·9	32·5	38·7	–	60	28	25	6,19	38·3	–	·08	–	·08	9	1	1	0	0	0	0	8	17	16	0	2·65	–
	Littlehampton ...	9 9 9	15	43·5	34·7	39·1	–1·6	54	22,28	28	6,19	–	41·8	·13	6	·10	11	3	1	1	0	0	0	5	10	–	0	2·26	77
	Worthing ...	9 9 9	25	43·2	34·8	39·0	–1·9	54	22	29	19	39·1	43·5	·03	1	·03	11	1	0	0	0	0	0	5	10	14	0	2·47	84
	Brighton ...	9 9 9	32	43·4	35·3	39·3	–	54	22,28	29	5,19	–	42·5	·02	1	·02	11	1	0	0	0	0	0	8	8	13	0	2·68	–
	East Grinstead ...	9 9 9	440	45·1	32·1	38·6	–	62	28	25	19	–	41·1	·06	–	·05	21	2	1	0	0	0	0	7	17	17	0	–	–
	Seaford	9 9 9	45	43·5	34·0	38·7	–	55	27,28	26	5,6,19	–	–	·01	1	·01	23	1	0	–	–	–	–	9	11	–	–	2·31	–
	Eastbourne ...	9 9 9	35	43·9	35·7	39·8	–1·3	56	22	28	5	40·1	44·2	Trace	0	Trace	11,23	0	0	0	0	0	0	8	8	7	–	2·62	91
	Eastbourne (C/guard)	21–9 9	17	44·4	35·3	39·9	–	56	22,28	28	5,6	–	–	Trace	–	Trace	21,23	0	0	0	0	0	0	7	8	10	0	–	–
	Hankham ...	9 9 9	68	44·7	32·9	38·8	–	60	28	26	5,19,20	39·9	42·3	·03	–	·01	6,21	3	0	0	0	0	0	6	13	14	0	2·74	–
	Bexhill	9 9 9	14	43·3	35·0	39·1	–1·6	54	28	29	6,19,20	40·6	–	·02	1	·02	21	1	0	0	0	0	0	9	7	13	0	2·48	–
	Sedlescombe ...	9 9 9	175	44·1	33·5	38·8	–	60	28	26	5,19	–	–	·09	–	·04	21	6	1	0	0	0	0	5	13	15	0	–	–
	Bodiam	9 9 9	73	44·8	32·4	38·6	–	62	19,28	23	5	38·5	41·9	·05	–	·03	22	2	0	0	0	1	0	6	13	17	0	2·59	–
	Hastings ¶§	9 9 9	149	43·8	34·8	39·3	–1·4	57	28	29	6	39·1	42·9	·05	3	·03	21	3	0	0	0	0	0	9	9	12	0	2·65	92
Berkshire	Abingdon ...	21–9 9	210	45·1	33·8	39·5	–	63	28	24	6	–	–	·11	6	·08	9	4	1	0	0	0	0	13	13	16	0	2·24	–
	Woolhampton ...	9 9 9	370																										
	Shinfield	9 9 9	200	44·4	33·4	38·9	–0·7	62	28	26	19	–	–	·17	–	·14	9	3	1	0	0	0	0	15	15	14	0	2·29	–
	Reading ... *	9 9 9	148	45·1	34·4	39·7	–0·7	63	28	27	19	37·2	39·7	·25	14	·18	9	6	1	–	–	–	–	–	10	13	–	–	–
	Finchampstead ...	9 9 9	212	45·0	32·7	38·9	–	63	28	25	6,19	37·7	40·3	·26	–	·15	9	10	1	0	0	0	0	11	15	16	0	2·22	– S
	Wokingham ...	9 9 9	200	45·3	32·7	39·0	–	63	28	25	19	39·0	41·9	·11	–	·07	9	3	1	0	0	0	0	11	13	–	0	–	–
	Hurley	9 9 9	140	44·8	33·1	38·9	–	63	28	24	19	37·6	–	·06	–	·03	9,21	2	0	0	0	0	0	6	16	12	0	2·03	–
Hampshire	Bournemouth ...	9 9 9	130	44·4	35·2	39·8	–1·5	55	24	28	19	39·6	41·8	·33	14	·32	9	2	1	0	0	0	0	6	12	9	0	2·29	81
	Christchurch ...	9 9 9	9	45·2	35·2	40·2	–	57	22	27	19	–	–	·34	–	·33	9	2	1	0	0	0	0	8	9	14	0	–	–
	Ringwood ...	9 9 9	250	45·4	34·0	39·7	–	60	28	25	19	38·5	42·6	·25	–	·23	9	3	1	0	0	0	0	9	12	13	0	–	–
	Everton (Efford)	9 9 9	51	43·9	35·3	39·6	–	55	22,28	28	6,19	–	–	·25	–	·25	9	1	1	0	0	0	0	8	10	12	0	2·40	–
	Southampton ¶§	9 9 9	65	46·6	34·9	40·7	–0·4	63	28	27	19	39·1	42·3	·17	7	·15	9	3	1	0	0	0	0	7	10	13	0	2·23	86
	Leckford... ...	9 9 9	385	44·2	32·9	38·5	–	60	28	24	19	38·7	–	–	–	–	–	–	–	–	–	–	10	17	–	–	–	–
	Winchester ...	9 9 9	124																										
	Martyr Worthy ...	9 9 9	275	44·6	32·9	38·7	–	60	28	22	6	–	–	·06	–	·05	9	2	1	0	0	0	0	8	12	13	0	2·31	–
	Southsea ...	9 9 9	7	44·2	35·6	39·9	–1·8	56	22	29	19	39·6	43·1	·15	7	·06	9	5	1	0	0	0	0	9	7	10	0	2·34	82
	Hayling Island ...	9 9 9	13	43·3	34·7	39·0	–	56	22	28	20	–	–	·08	–	·04	11	4	1	0	0	0	0	7	10	–	0	2·34	–
	Long Sutton ...	9 9 9	512	44·3	32·4	38·9	+0·2	60	28	27	6	–	–	·19	8	·17	9	2	0	0	0	0	0	15	20	16	0	2·33	95 S
	Alice Holt Lodge	9 9 9	378	44·9	32·9	38·9	–	62	28	26	6,19	–	–	·22	9	·19	9	4	1	0	0	0	0	12	17	19	0	2·19	–
	S. Farnborough ...	21–9 9	226	45·1	33·9	39·5	–0·5	62	28	25	6	–	–	·14	7	·10	9	3	1	0	0	1	0	10	11	14	0	2·15	86
	Blackbushe ...	21–9 9	325	44·6	34·1	39·3	–	62	28	25	19	–	–	·16	–	·12	9	4	1	0	0	0	0	11	13	9	0	–	–
I. of Wight	St. Catherine's Pt.	9 9 9	51	44·2	37·1	40·7	–0·4	54	27,28	31	8	–	–	·27	13	·17	9	4	2	0	0	0	0	6	4	–	0	–	–
	Ventnor Park ...	9 9 9	443	44·8	36·7	40·7	–	56	28	30	19	41·0	43·9	·37	15	·23	9	4	2	0	0	0	0	6	4	6	0	2·84	–
	Shanklin	9 9 9	180	44·3	36·0	40·1	–	58	28	26	5	–	–	·33	–	·22	9	4	2	0	0	0	0	9	7	–	0	2·82	–
	Sandown ...	9 9 9	13	45·3	36·8	41·1	–0·8	56	22	29	19	–	–	·23	10	·13	9	3	2	0	0	0	0	9	7	–	0	2·60	89
	Ryde	9 9 9	15	44·5	36·0	40·3	–1·4	59	27,28	29	6,19	–	–	·16	7	·12	9	4	1	0	0	0	0	6	5	–	0	2·01	71
Wiltshire	Lacock (Lackham)	9 9 9	160	45·6	32·9	39·3	–	61	28	24	6	–	–	·28	–	·25	9	3	1	0	0	0	0	6	14	–	0	–	–
	West Lavington	9 9 9	305	46·7	32·6	39·7	–	65	27	24	6	–	–	·27	12	·21	9	5	1	0	0	0	0	8	13	–	0	–	–
	Lyneham ...	21–9 9	457	44·1	33·5	38·8	–	63	28	24	18,19	–	–	·24	11	·20	9	3	1	0	0	0	0	13	12	11	0	2·41	–
	Larkhill	9 9 9	431	44·5	32·9	38·7	–0·4	60	28	23	19	–	–	·24	12	·19	9	5	1	0	0	0	0	16	12	14	0	–	–
	Boscombe Down	21–9 9	414	44·3	34·4	39·3	–	59	28	25	19	–	–	·20	10	·17	9	3	1	0	0	0	0	13	11	15	0	2·57	–
	Upavon	21–9 9	578	43·9	33·6	38·7	–	59	27,28	27	6,8	–	–	·23	–	·19	9	3	1	0	0	0	0	16	13	14	0	–	–
	Porton ... ¶§	9 9 9	362	44·3	33·1	38·7	–0·3	61	28	21	19	37·8	–	·19	9	·16	9	3	1	0	0	0	0	12	13	15	0	2·60	99
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	46·9	35·3	41·1	–	51	11,13,27	26	2,3	–	–	1·11	41	·34	23	12	10	–	–	–	–	4	13	11	–	2·23	–
	Silloth	21–9 9	25	43·9	34·9	39·4	–	52	27	19	3	–	–	1·02	45	·24	25	12	7	0	0	0	0	3	11	13	0	1·88	–
	Keswick ... ¶§	9 9 9	254																										
	Newton Rigg ...	9 9 9	560	45·3	32·9	39·1	+1·4	55	8	21	2	–	–	·35	14	·11	28	12	5	0	0	0	0	4	16	15	0	2·51	113
Westmorland	Ambleside ...	9 9 9	151	44·9	32·9	38·9	–	54	22,27	18	3	–	–	2·61	43	·42	25	13	11	0	0	0	0	1	12	–	0	2·01	–
	Moor House ...	9 9 9	1840	40·4	29·9	35·1	–	50	8	14	3	34·3	–	2·87	–	·51	28	13	11	1	0	0	0	8	17	–	1	1·87	–
Lancashire	Barrow-in-Furness	9 9 9	55	44·1	36·1	40·1	–	54	27	28	3	–	–	1·15	–	·50	27	12	9	0	0	0	0	15	10	–	0	–	–
	Squires Gate ...	21–9 9	33	45·3	35·3	40·3	–	58	27	21	2	–	–	·37	17	·19	21	6	3	0	0	0	0	8	12	10	0	1·58	–
	Urswick	9 9 9	130	44·9	35·3	40·1	–	54	27	24	2,3	–	–	1·15	–	·25	21	11	7	0	0	0	0	9	12	–	0	–	–
	Poulton-le-Fylde	9 9 9	38	45·3	35·7	40·5	–	58	27	22	2	–	–	·41	–	·19	21	5	4	0	0	0	0	4	12	–	1	–	–
	Speke	21–9 9	80	45·8	36·9	41·3	–	61	27	27	2	–	–	·26	–	·17	21	4	1	0	0	0	0	7	9	10	0	1·66	–
	Kirkham ...	9 9 9	77	45·5	35·7	40·6	–	58	27	21	2	–	–	·38	16	·18	21	6	3	0	0	0	0	6	10	10	0	1·55	–
	Garstang ...	9 9 9	68	46·1	35·3	40·7	–	53	27,28	23	2	–	–	·65	–	·23	14	9	4	0	0	0	0	3	12	14	0	1·41	–
	Morecambe ...	9 9 9	24	43·5	35·9	39·7	+0·2	57	27	28	2,3	–	–	1·34	53	·32	14,15	11	6	0	0	0	0	6	11	–	5	1·73	75
	Preston (Moor Pk.)	9 9 9	108	45·8	36·5	41·1	–	61	27	27	1,11	–	–	·47	18	·18	14	7	3	0	0	0	0	6	10	8	0	–	–
	Bolton	9 9 9	352	44·8	35·3	40·1	+1·3	58	27	24	7	37·3	38·5	·63	18	·31	21	10	3	0	0	0	0	6	10	9	0	1·17	80 S

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																												
Lancashire— cont.	Darwen	9 9 9	724	43·7	34·2	38·9	+2·5	55	27	26	2,3	37·1	–	·90	21	·37	21	9	5	0	0	0	0	1	11	12	0	–	–
	Stonyhurst ¶§	9 9 9	377	43·9	35·7	39·8	+1·4	57	27	27	11	–	–	·78	21	·22	21	7	6	0	0	0	0	6	12	10	0	1·10	57
	Helmshore	9 9 9	854	43·0	34·6	38·8	–	54	27	27	7	38·2	–	1·14	–	·50	21	14	5	0	0	0	0	6	12	11	0	1·24	–
	Burnley	9 9 9	458	44·0	35·6	39·8	+1·8	57	27	25	11	37·1	39·7	·38	11	·22	23	3	2	0	0	0	0	3	11	15	0	–	–
	Nelson	9 9 9	540	43·6	35·0	39·3	–	57	27	25	2	36·7	39·6	·65	23	·27	23	9	5	–	–	–	–	6	12	10	–	1·01	– S
	Rochdale	9 9 9	362	45·0	35·3	40·1	–	58	28	26	2	–	–	·55	–	·18	21	9	4	0	0	0	0	5	9	11	0	1·10	–
Cheshire	West Kirby Park	9 9 9	17	45·8	35·6	40·7	–	60	27	24	2	–	–	·26	–	·09	21	4	4	0	0	0	0	–	11	12	0	1·79	–
	Bidston Obs'y. ¶§	9 9 9	198	45·2	36·9	41·1	+1·1	60	27	29	9,10	–	–	·48	25	·07	23	5	2	0	0	0	0	14	9	5	0	1·75	76
	Wallasey	9 9 9	57																										
	Northwich(Winnington)	9 9 9	65	46·8	36·9	41·9	–	60	27	28	2	–	–	·27	13	·20	21	5	1	0	0	0	0	5	10	6	0	–	–
	Manchester Airport ¶§	21–9 9	248	46·1	35·8	40·9	+1·6	60	28	27	7,8,18	–	–	·41	17	·33	21	4	1	0	0	0	0	6	9	9	0	1·88	107
	Macclesfield	9 9 9	500	44·4	34·9	39·7	+1·6	59	28	22	18	–	–	·59	22	·42	21	6	2	0	0	0	0	6	8	–	0	–	–
7b	NORTH WALES																												
Flint	Rhyl	9 9 9	31	48·2	37·0	42·6	+1·2	61	27	26	2	–	–	·17	9	·09	9	4	2	0	0	0	0	1	10	13	0	3·30	136
	St. Asaph	9 9 9	75	48·6	36·5	42·5	–	62	27	24	2	–	–	·19	–	·06	9	6	3	–	–	–	0	11	20	–	–	–	–
	Prestatyn	9 9 9	12	47·9	35·8	41·9	–	62	27	24	2	–	–	·16	8	·07	9	4	2	0	0	0	0	2	12	–	4	2·49	–
	Hawarden Bridge	9 9 9	17	47·3	35·6	41·5	+0·9	63	27	25	2	–	–	·11	6	·03	21,23	4	0	0	0	0	0	4	14	–	0	–	–
Anglesey	Holyhead (Valley)	21–9 9	26	47·4	38·8	43·1	+0·7	55	7	28	2	–	–	·66	29	·26	14	7	4	0	0	0	0	1	8	13	0	3·10	117
Denbigh	Colwyn Bay	9 9 9	118																										
	Alwen	9 9 9	1100	46·8	30·7	38·7	–	55	27	17	9	–	–	·81	–	·24	21	10	5	–	–	–	–	17	18	–	–	–	–
	Bwlchgwyn	9 9 9	1267																										
	Ruabon	9 9 9	312	47·2	35·1	41·1	–	61	18	25	19	–	–	·64	–	·53	21	4	3	0	0	0	0	5	12	12	0	1·93	– S
	Wrexham	9 9 9	275	47·3	35·1	41·2	–	62	27	26	2	37·9	39·9	·19	–	·07	21	4	3	0	0	0	0	7	13	12	0	–	–
Caernarvon	Bryn Adda	9 9 9	275	48·6	38·2	43·4	–	57	7	30	2,5,6	–	–	·86	–	·22	14	10	8	0	0	0	0	0	6	13	2	3·94	–
	Aber	9 9 9	60	49·5	38·4	43·9	+1·7	58	27	28	18	–	–	·43	14	·17	14	8	3	1	0	0	0	0	6	15	1	3·49	174^
	Llandudno ¶§	9 9 9	13	48·9	38·8	43·9	+1·8	59	27	28	2	–	–	·15	7	·07	9	3	3	0	0	0	0	0	6	–	0	3·95	161
Merioneth	Harlech	21–9 9	754																										
	Blaenau Ffestiniog	9 9 9	750	46·6	36·8	41·7	–	57	8	28	6	–	–	3·76	–	·70	21	14	10	0	0	0	0	3	5	–	0	3·05	–
	Corwen	9 9 9	473	48·0	32·2	40·1	–	60	27	20	11	–	–	·36	–	·10	14	5	5	0	0	0	0	–	16	17	–	–	–
Montgomery	Lake Vyrnwy	9 9 9	995	43·8	34·3	39·1	–	57	27	25	9,10	–	–	·81	14	·24	14,25	12	14	0	0	0	0	7	15	15	0	–	–
8a	SOUTH WALES																												
Cardigan	Aberporth	21–9 9	376	47·5	37·9	42·7	–	57	18	27	2,9	–	–	·43	14	·29	9	5	2	0	0	0	0	1	6	9	0	3·37	–
	Aberystwyth	9 9 9	12	47·4	37·3	42·3	–	59	27	28	6	–	–	·64	–	·21	9	7	5	0	0	0	0	3	8	–	0	3·21	121
	,, P.B.S.*	9 9 9	452	47·2	36·8	42·0	–	57	18,27	28	6,9	–	–	·79	–	·35	14	9	5	0	0	0	0	2	5	15	0	3·47	138
	Gogerddan	9 9 9	103	48·8	35·0	41·9	–	60	27	23	9,10	–	–	1·07	35	·52	14	6	5	0	0	0	0	2	11	16	0	3·00	– S
	Swyddffynnon	9 9 9	540	–	35·1	–	–	–	–	26	6,9,19	–	–	1·01	–	·27	9	7	6	0	0	0	0	2	12	15	0	–	–
	Trawscoed	9 9 9	200	48·0	35·5	41·7	–	59	27	25	6,9	–	–	·97	27	·24	21	7	5	0	0	0	0	1	12	4	1	3·48	–
	Llety-evan-hen	9 9 9	950	45·9	35·5	40·7	–	56	18,27	27	6	–	–	1·60	–	·51	14	9	6	0	0	0	0	3	9	15	1	3·58	–
Pembroke	Dale Fort	9 9 9	109	46·9	39·9	43·4	–	55	22	32	2	–	–	·53	–	·38	9	6	2	0	0	0	0	3	1	8	0	2·66	–
	Brawdy	9 9 9	360	45·7	36·7	41·2	–	54	27	27	2,5	–	–	·68	–	·26	9	6	5	0	0	0	0	5	10	11	0	2·68	–
	Milford Haven	9 9 9	179	46·7	38·3	42·5	–	55	27	30	2,5,6	–	–	·43	–	·33	9	5	2	0	0	0	0	8	6	–	0	3·00	–
	Haverfordwest	9 9 9	131	47·4	37·7	42·5	+1·0	56	27	28	5	–	–	·70	20	·34	9	9	4	–	0	–	–	7	10	–	–	–	–
Radnor	Llandrindod Wells ¶§	9 9 9	772	45·8	34·0	39·9	+1·6	60	27	24	6,18,19	–	–	·38	12	·17	9	6	3	0	0	0	0	4	12	–	0	2·45	111
Brecknock	Llwynon	9 9 9	860	46·4	33·2	39·8	–	61	18	23	9	–	–	·56	–	·25	9	6	3	0	0	0	0	8	11	–	0	–	–
Glamorgan	Mumbles Head	21–9 9	117	45·0	38·1	41·5	–	57	22	31	19	–	–	–	–	–	–	–	–	0	0	0	0	4	3	2	0	–	–
	Swansea	9 9 9	27	47·5	37·9	42·7	+0·6	58	28	31	9,19	40·3	44·5	·20	6	·10	9	4	2	0	0	0	0	2	4	5	0	–	–
	Port Talbot	9 9 9	24	48·5	37·4	42·9	–	61	27,28	27	18,19	–	–	·45	–	·27	9	3	3	0	0	0	0	2	7	10	–	3·15	–
	Neath	9 9 9	153	47·6	37·9	42·7	–	58	27,28	29	9,19,20	–	–	·57	–	·31	9	5	4	0	0	0	0	3	6	11	0	–	–
	Rhoose	21–9 9	220	44·1	36·4	40·3	–	58	28	24	19	–	–	·39	16	·29	9	6	2	0	0	0	0	6	8	7	0	2·48	–
	Cardiff ¶§	9 9 9	202	44·9	35·7	40·3	–0·4	60	28	27	19	40·1	43·1	·45	15	·27	9	7	3	0	–	0	0	6	10	11	0	2·31	91
Monmouth	Tredegar	9 9 9	1028	45·1	33·1	39·1	–	60	18	23	13	–	–	·49	–	·32	9	3	3	0	0	0	0	10	15	14	0	2·67	– S
	Newport	9 9 9	75	45·2	35·1	40·1	–	60	22	24	19	–	–	·40	14	·32	9	4	2	0	0	0	0	8	10	–	0	2·06	–
	Usk	9 9 9	70	46·0	34·4	40·2	–	62	22	23	6,19	39·1	–	·32	11	·29	9	2	1	0	0	0	0	3	12	15	0	2·25	–
	Crumbland Plantation	9 9 9	804	44·0	33·9	38·9	–	59	28	27	6	37·5	40·0	·36	–	·34	9	3	1	0	0	0	0	15	12	13	0	2·79	–
8b	ENGLAND, S.W.																												
Somerset	Hawkridge (Liscombe)	9 9 9	1030	44·7	33·3	39·0	–	58	22,28	26	20	–	–	·34	–	·22	9	6	2	0	0	0	0	8	11	17	0	–	–
	Bickenhall	9 9 9	231	46·0	34·1	40·1	–	58	22	22	19	40·6	44·8	·29	–	·18	9	4	2	0	0	0	0	5	13	16	0	2·85	–
	Cannington	9 9 9	95	46·1	35·1	40·6	–	61	28	24	6	–	–	·21	10	·18	9	3	1	0	0	0	0	5	11	14	0	2·58	–
	Weston-s.-Mare	9 9 9	28	45·3	35·7	40·5	–	60	28	28	6,18	–	–	·27	13	·26	9	2	1	0	0	0	0	9	13	10	0	2·66	107
	Long Ashton	9 9 9	162	45·3	35·0	40·1	–0·5	61	28	27	2,6	39·2	–	·33	13	·27	9	4	1	0	0	0	0	4	11	13	0	2·13	89
	Bath ¶§	9 9 9	67	45·9	34·9	40·4	–0·5	62	28	27	6,7	39·1	41·7	·21	9	·19	9	2	1	0	0	0	0	7	11	11	0	2·36	96
Dorset	Portland Bill	21–9 9	35	44·8	39·6	42·2	–0·6	52	24,27	32	8,20	–	–	·33	16	·29	9	3	1	0	0	0	0	4	2	–	0	–	–
	Weymouth	9 9 9	16	46·7	37·4	42·1	–0·4	56	27,28	30	5	–	–	·33	14	·30	9	2	1	0	0	0	0	4	6	–	0	2·87	101
	Shaftesbury	9 9 9	680	44·8	33·5	39·1	+0·1	58	28	25	18	–	–	·43	17	·36	9	3	2	–	–	–	–	10	16	–	–	–	–
	Swanage	9 9 9	37	45·0	36·8	40·9	–	54	22,27,28	28	6	–	44·9	·38	–	·38	9	1	1	0	–	0	0	10	4	4	1	2·12	–
	Poole	9 9 9	18	45·4	34·6	40·0	–	57	28	28	6,19	–	–	·30	–	·30	9	1	1	0	0	0	0	6	11	–	0	2·20	–
Devon	Hartland Pt.	21–9 9	298	45·8	39·2	42·5	–	58	27	30	9	–	–	·42	–	·22	28	3	2	0	0	0	0	3	4	2	0	3·76	–
	Plymouth (Mt. Batten)	21–9 9	87	48·0	39·0	43·5	+0·3	57	28	29	19	–	–	·24	8	·17	9	3	2	0	0	0	0	4	2	10	0	3·75	139
	Plymouth (The Hoe)	9 9 9	119	48·4	39·1	43·7	+0·6	56	22,27,28	30	19	41·8	44·9	·25	8	·17	9	4	2	0	0	0	0	4	2	7	0	3·60	131
	Tavistock	9 9 9	457	48·5	36·4	42·5	+1·2	57	18,22,27	26	17,19	–	43·5	·38	–	·30	9	3	2	–	–	–	–	10	14	–	–	–	–
	Chivenor	21–9 9	20	48·4	38·4	43·4	–	61	27,28	31	5	–	–	·25	–	·15	9	4	2	0	0	0	0	2	4	6	0	3·52	–
	Ilfracombe	9 9 9	25	48·1	39·9	44·0	+0·7	61	27,28	33	5,6	42·3	45·9	·22	8	·14	9	2	2	0	0	0	0	1	0	9	1	3·45	142
	Princetown	9 9 9	1359	43·9	34·5	39·2	–	55	22	27	2,4	–	–	·59	9	·40	9	5	4	0	0	0	0	14	11	11	0	–	–
	**Totnes	9 9 9	120	48·8	36·8	42·8	–	63	22	28	20	42·3	44·4	·37	10	·26	9	5	2	0	0	0	0	3	5	10	0	2·41	–
	†Newton Abbot	9 9 9	272	47·0	37·1	42·1	+0·5	61	27	27	20	–	–	·36	11	·26	9	5	2	0	0	0	0	4	5	7	0	2·68	99
	Paignton	9 9 9	8	47·9	38·6	43·3	–	58	28	29	20	–	–	·37	12	·33	9	3	1	0	0	0	0	2	2	8	0	2·28	87
	Torquay	9 9 9	26	47·7	39·6	43·7	+0·5	57	21,24	30	20	–	44·5	·32	11	·29	9	2	1	0	0	0	0	5	2	2	0	2·54	93
	Teignmouth ¶§	9 9 9	20	47·2	39·5	43·3	+0·1	57	21	31	19	–	–	·27	10	·23	9	3	1	0	0	0	0	2	1	3	0	2·22	81

¶§. § *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER NUMBER OF DAYS									BRIGHT SUNSHINE	
			Means of				Highest Maximum and Lowest Minimum						Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
	Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.			Amount	Date	·01in.(0·2mm. or more	·04in.(1·0mm. or more									
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.											hr.	%
8b ENGLAND, S.W.—cont.																											
Devon—cont. Starcross... ...	9 9 9	29	46·7	37·1	41·9	–	58	22	30	19	–	–	·28	–	·23	9	2	1	0	0	0	0	5	6	8	0	2·36	–
Exmouth ...	9 9 9	195	45·5	36·9	41·2	–0·6	57	22	29	6,19,20	–	–	·32	13	·27	9	2	2	0	0	0	0	6	8	–	0	2·37	88
Exeter	21–9 9	106	46·7	36·6	41·7	–	61	22	26	5	–	–	·32	12	·30	9	2	1	0	0	0	0	4	8	9	0	2·45	–
Uffculme... ...	9 9 9	400	46·1	35·4	40·7	–	60	22	26	19	–	–	·26	–	·25	9	2	1	1	0	1	–	7	12	–	–	2·72	–
Sidmouth ...	9 9 9	25	46·2	36·7	41·5	–0·7	59	22	29	5,19	–	–	·46	–	·40	9	2	2	0	0	0	0	0	7	9	–	2·12	–
Cornwall St. Mary's, Scilly	21–9 9	158	50·9	44·2	47·1	+1·4	55	27	37	3	–	–	·23	8	·12	28	4	2	0	0	0	0	0	0	–	1	3·26	118
Penzance ...	9 9 9	62	50·9	42·0	46·3	+1·2	56	27	34	2,3,4	–	–	·40	11	·21	9	5	4	0	0	0	0	0	0	–	0	3·03	111
Gulval	9 9 9	50																									
Camborne (Rosewarne	9 9 9	250	48·4	40·8	44·6	–	55	27	29	2	–	–	·44	–	·23	9	6	3	0	0	0	0	2	3	5	0	3·16	–
Constantine ...	9 9 9	310																									
Falmouth ¶§	9 9 9	167	49·4	41·3	45·3	+1·2	57	25	31	11	–	–	·34	9	·20	9	4	3	0	0	0	0	2	3	4	0	2·09	79
Newquay ...	9 9 9	176	48·6	39·4	44·0	+0·7	57	27,28	30	2,4	–	–	·34	13	·17	9	6	3	0	1	0	0	1	3	–	0	3·03	113
St. Mawgan ...	21–9 9	337	47·9	38·7	43·3	–	56	27,28	27	2	–	–	·54	–	·22	9	7	2	0	0	0	0	5	4	6	0	3·45	–
St. Austell ...	9 9 9	310	48·4	39·1	43·7	–	57	27	31	2,3	–	–	·61	15	·31	28	5	3	0	0	0	0	6	5	–	0	–	–
Fowey	9 9 9	51	49·5	40·1	44·8	+0·9	59	21	32	2,4	–	–	·35	–	·17	28	3	3	0	0	0	0	5	2	–	0	–	–
Bude	9 9 9	50	49·3	37·6	43·5	+0·9	60	27	27	2	–	–	·62	25	·28	28	6	3	0	0	0	0	11	7	–	0	3·50	127
Ellbridge ...	9 9 9	190	48·6	36·9	42·7	–	57	22	27	5,18	–	–	·28	–	·16	9	3	2	0	0	0	0	4	8	10	0	3·43	–
NORTHERN IRELAND																											
Londonderry Ballykelly ¶§	21–9 9	3	48·7	38·6	43·7	+2·2	56	27	19	3	–	–	·55	23	·22	26	8	6	0	0	0	0	0	9	13	0	2·77	105
Garvagh ¶	9 9 9	121	47·8	35·6	41·7	+1·8	56	16	18	3	38·8	–	·74	26	·22	9	11	5	0	0	0	0	1	9	13	0	–	–
Antrim Aldergrove ¶§	21–9 9	217	47·5	38·2	42·9	+2·7	53	16,25,27	20	3	–	–	1·23	51	·42	23	11	6	0	0	0	0	0	7	9	0	2·06	96
Nutts Corner ...	21–9 9	338	47·4	38·7	43·1	–	54	25	22	3	–	–	1·52	–	·51	23	11	10	0	0	0	0	0	4	11	0	–	–
Parkmore Forest	9 9 9	779																									
Down Hillsborough §	9 9 9	388	47·6	37·9	42·7	–	54	25,26	26	3	40·5	–	1·10	–	·34	27	12	7	0	0	0	0	2	6	11	0	1·95	88
Kilkeel	21–9 9	59	48·1	39·2	43·7	–	55	21	27	3	–	–	1·26	–	·56	23	9	6	0	0	0	0	0	4	–	0	–	–
Belfast (Stormont Castle) ...	9 9 9	200	48·7	38·4	43·5	–	55	25,26	28	3	–	–	1·01	–	·37	23	10	6	0	0	0	0	1	3	–	–	–	–
Armagh Armagh ... ¶§	9 9 9	205	48·6	35·9	42·3	+1·5	55	25	24	2,3,6	39·5	41·0	1·01	45	·35	27	11	6	0	0	0	0	7	10	14	3	2·03	90
Loughgall ...	9 9 9	91	48·5	33·5	41·0	–	55	25,26	20	2	–	–	·84	–	·26	27	10	6	0	0	0	0	1	15	17	0	1·97	–
Fermanagh Ely Lodge ...	9 9 9	200	47·9	35·6	41·7	–	55	25	21	2,3	39·8	42·3	·93	–	·17	27	15	9	0	0	0	0	2	11	12	0	–	–
CHANNEL ISLES																											
Guernsey States Airport ...	9 9 9	340	47·9	39·9	43·9	–	56	18	33	20	42·7	45·3	·28	10	·23	9	2	2	0	0	0	0	4	0	1	0	5·03	–
Alderney States Airport ...	9 9 9	288	46·7	38·7	42·7	–	54	27,28	33	4	43·3	–	·16	–	·07	9	5	1	0	0	0	0	5	0	1	0	4·29	–
Jersey Jersey Airport ...	9 9 9	273	48·9	38·6	43·7	–	60	27	33	3,4,5	–	–	·10	4	·08	9	2	1	0	0	0	0	4	0	1	0	5·35	–
St. Helier ...	9 9 9	28	49·5	39·7	44·6	–	59	28	32	2	–	–	·07	3	·06	9	2	1	0	1	0	0	2	1	–	0	5·23	–

Table IV—Summary of Observations at Fixed Hours February, 1959

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																Direction							
												No. of Observations							Number of Observations									Force (0-12)																								
																												Beaufort Force																								
																												8 or more	6, 7	4, 5	1 to 3	Calm																				
																												Speed in knots																								
																												34 or more	22 to 33	11 to 21	1 to 10	0																				
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%								0–44 yd.	45–210 yd.	220–430 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																N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND, N.			3	272	1023·7	–	39·7	1·2	7·4	88	6·1	3	1	3	7	13	1	0	1	0	0	0	0	9	10	9	3	3	11	9	4	1											1	0	0	0	0	6	10	9	1
			9	272	1022·7	+13·7	40·3	1·3	7·6	88	7·0	0	2	1	11	14	0	0	0	0	0	0	0	2	11	9	6	0	3	10	8	7	0											0	0	0	0	0	7	14	5	2
Zetland	Lerwick Observatory	H	15	272	1022·2	–	42·0	1·6	7·9	87	6·1	0	1	8	12	7	0	0	0	0	0	0	0	1	7	9	10	1	2	12	10	3	1											2	0	0	0	0	9	8	7	1
			21	272	1022·9	–	40·4	1·5	7·4	86	5·9	2	3	2	9	12	0	0	0	0	0	0	0	1	8	11	7	1	1	13	9	5	0											2	0	0	0	0	9	7	10	0
			3	94	1024·8	–	39·4	1·2	7·5	89	4·5	6	5	3	5	9	0	0	0	0	0	0	0	1	7	5	15	0	0	3	14	11	0											0	0	0	0	0	20	4	3	1
			9	94	1024·0	–	40·0	1·3	7·5	87	6·1	1	3	3	11	10	0	0	0	0	0	0	0	1	10	4	13	1	1	2	13	12	0											0	0	0	0	0	14	8	2	2
Orkney	Grimsetter..	H	15	94	1023·6	–	43·9	2·4	7·9	81	5·7	0	5	3	19	1	0	0	0	0	0	0	0	0	6	6	13	3	1	1	18	7	1											1	0	0	0	1	14	5	3	2
			21	94	1024·3	–	40·3	1·8	7·2	85	4·7	1	8	4	9	6	0	0	0	0	0	0	0	0	7	5	14	2	1	1	5	16	5	1											1	0	0	0	1	16	6	2	2
			3	121	1025·6	–	38·9	1·6	7·0	85	4·4	8	4	1	5	10	0	0	0	0	0	0	0	0	8	3	14	3	0	1	16	10	1											0	0	0	0	1	17	3	4	2
			9	121	1024·9	+15·0	39·6	1·6	7·1	84	5·4	1	6	2	14	5	0	0	0	0	0	0	0	0	6	5	6	11	0	5	12	11	0											0	0	0	0	1	16	6	5	4
Caithness	Wick ..	H	15	121	1024·5	–	43·9	2·7	7·6	78	5·2	1	4	6	16	1	0	0	0	0	0	0	0	1	4	2	11	10	1	3	15	8	1											0	0	0	0	1	12	7	4	3
			21	121	1025·2	–	39·5	2·0	6·9	83	3·7	6	6	5	8	3	0	0	0	0	1	0	3	3	1	13	7	0	2	14	9	3	0											0	0	0	0	1	14	5	2	1
			3	371	1022·8	–	42·5	1·3	8·3	89	4·2	10	1	5	2	9	1	0	1	0	0	0	0	2	3	6	16	1	7	4	13	3	1											0	0	0	0	1	7	14	2	1
			9	371	1021·9	–	43·0	1·5	8·3	88	5·6	4	0	5	11	8	0	0	0	0	0	0	0	4	8	7	9	2	6	7	11	2	1											0	0	1	0	1	9	13	1	0
Sutherland	Cape Wrath ..		15	371	1021·6	–	45·2	2·3	8·4	82	5·3	3	4	3	12	6	0	0	0	0	0	0	0	2	6	7	13	1	7	7	12	1	0											0	1	0	1	1	10	10	4	1
			21	371	1022·3	–	43·2	1·7	8·3	86	3·0	12	3	4	4	5	0	0	0	0	0	0	0	0	4	7	17	1	11	3	10	3	0											0	0	0	1	1	5	14	3	1
			3	16	1023·5	–	41·9	1·4	8·1	88	4·9	5	5	2	5	11	0	0	0	0	0	0	0	1	4	11	11	1	1	9	9	5	4											0	0	0	0	1	17	4	1	1
			9	16	1023·1	+13·6	42·6	1·6	8·2	86	5·3	1	5	5	10	7	0	0	0	0	0	0	0	1	4	10	10	3	0	10	10	7	1											0	0	0	0	1	15	8	1	2
Ross & Cromarty	Stornoway	H	15	16	1023·0	–	45·9	2·7	8·4	79	4·5	2	6	7	9	4	0	0	0	0	0	0	0	0	2	14	8	4	0	12	9	6	1											0	0	0	1	1	16	5	2	1
			21	16	1023·6	–	41·7	1·8	7·8	86	3·5	7	7	4	5	5	0	0	0	0	0	0	0	0	3	17	8	0	1	8	8	8	3											0	0	0	1	0	14	8	1	1
			3	21	1023·9	–	43·5	1·5	8·6	88	5·6	2	4	4	6	12	0	0	0	0	0	0	0	1	9	10	6	2	2	10	10	6	0											0	0	0	0	3	18	4	2	1
			9	21	1023·5	–	43·1	1·5	8·5	88	6·0	0	6	0	12	10	0	0	0	0	0	0	0	2	7	11	6	2	1	13	8	5	1											0	0	0	1	5	13	7	1	0
Inverness	Benbecula..	H	15	21	1023·5	–	45·9	2·3	8·7	82	5·6	1	4	6	8	9	0	0	0	0	0	0	0	0	1	15	4	3	1	12	8	7	0											0	0	0	1	3	14	5	3	2
			21	21	1023·9	–	44·0	1·7	8·6	87	5·0	3	6	2	9	8	0	0	0	0	0	2	0	7	11	7	1	2	10	10	6	0											0	0	0	2	1	19	3	2	1
1 SCOTLAND, E.			3	19	1025·9	–	35·9	1·6	6·2	84	3·7	9	4	4	5	6	0	0	0	1	0	0	2	5	5	10	5	0	1	7	19	1											0	0	1	2	7	12	5	0	
			9	19	1025·5	–	36·1	1·9	6·2	82	4·7	2	8	3	10	5	0	0	0	0	0	0	2	6	1	7	12	0	3	6	16	3											0	0	1	1	1	9	13	1	0
Moray	Kinloss ..	H	15	19	1024·8	–	44·5	3·8	7·2	71	4·6	2	7	6	9	4	0	0	0	1	0	0	0	1	7	2	10	7	2	3	9	13	1											1	0	0	1	1	4	14	5	1
			21	19	1025·7	–	37·3	2·0	6·3	81	2·6	7	10	5	5	1	0	0	0	0	0	1	3	5	3	11	5	0	1	7	20	0											0	0	1	0	10	15	2	0	1
			3	193	1028·3	–	35·6	0·9	6·6	91	5·5	6	1	3	3	14	1	0	1	0	0	0	1	3	10	6	7	0	0	2	6	14	8											0	0	0	0	3	10	6	1	0
			9	193	1027·8	+16·2	36·1	0·8	6·8	90	5·4	1	7	1	14	4	1	0	0	0	1	1	2	5	8	7	4	0	0	2	6	11	9											0	0	0	1	2	12	2	1	1
Aberdeen	Dyce ..	H	15	193	1026·8	–	43·2	2·4	7·7	81	5·9	1	1	5	16	4	1	0	0	0	0	1	2	7	6	8	4	0	0	4	12	6	6											0	0	0	0	0	12	5	3	2
			21	193	1028·0	–	37·1	1·4	6·7	87	4·5	7	5	0	7	9	0	0	0	0	0	0	1	8	6	8	5	0	0	2	8	11	7											0	0	0	0	2	8	6	3	0
			3	108	1027·0	–	37·6	1·6	6·6	85	5·2	1	6	5	10	5	1	0	1	0	0	0	0	5	11	11	0	0	2	14	12	0											0	0	0	0	1	17	2	8	0
			9	108	1026·4	–	37·5	1·0	6·9	90	6·0	0	5	1	14	7	1	0	0	0	2	0	2	5	8	11	0	0	3	10	15	0											0	0	0	0	0	18	7	2	1
	Rattray Head ..		15	108	1025·7	–	43·8	2·7	7·7	79	5·5	0	4	6	13	3	2	0	0	1	1	0	0	2	7	16	0	1	4	13	9	1											0	0	0	0	1	15	1	8	2
			21	108	1026·3	–	39·4	1·9	6·9	84	4·7	0	6	10	7	4	1	0	0	1	0	0	0	5	11	11	0	0	4	16	6	2	1											0	0	0	0	0	12	4	9	0
			3	36	1028·5	–	37·6	1·0	7·1	90	5·6	4	1	5	3	13	2	0	1	1	0	3	6	10	2	5	0	0	1	3	13	11	2											0	0	0	0	0	2	6	6	1
			9	36	1028·1	+15·9	37·7	1·2	7·0	88	5·9	3	3	1	9	9	3	0	1	2	0	1	2	5	7	6	4	0	0	3	5	11	9											0	0	0	1	1	5	9	2	1
Fife	Leuchars ..	H	15	36	1027·3	–	43·6	2·5	7·9	81	6·2	2	3	0	12	10	1	0	1	0	1	2	5	9	6	2	0	0	2	11	8	7	1											1	1	3	1	2	5	7	1	2
			21	36	1028·2	–	38·9	1·3	7·3	89	5·4	4	2	4	7	9	2	0	1	1	1	4	0	2	11	4	4	0	0	2	3	14	9											1	1	1	1	1	7	5	1	1
			3	114	1029·2	–	37·2	0·8	7·2	93	6·4	3	1	2	7	9	6	0	5	1	0	4	0	5	10	2	1	0	0	6	3	8	11											0	0	0	0	4	5	6	1	1
			9	114	1028·8	–	38·0	1·3	7·2	90	6·0	3	2	1	12	7	3	0	3	2	2	0	5	6	5	4	1	0	0	5	5	13	5											2	2	1	2	1	8	6	4	1
Midlothian	Turnhouse	H	15	114	1028·0	–	43·1	2·0	8·0	84	6·3	2	0	4	13	6	3	0	2	1	0	3	3	7	10	1	1	0	2	1	10	12	3											1	3	4	1	0	0	12	4	0
			21	114	1028·8	–	38·6	1·1	7·3	90	5·6	2	5	2	7	9	3	1	2	0	1	5	2	7	9	1	0	0	2	8	10	8											2	1	1	1	1	8	6	0	
6a SCOTLAND, W.			3	34	1025·9	–	44·1	1·7	8·5	85	5·0	4	5	2	5	12	0	0	0	0	0	1	0	1	9	11	6	0	0	10	13	3	2											0	0	0	0	4	16	4	2	0
			9	34	1025·4	+14·5	44·5	1·6	8·7	86	5·9	1	2	6	10	9	0	0	0	0	0	0	3	10	9	5	1	0	10	15	3	0											0	0	0	0	8	12	6	1	0
Argyll	Tiree ..	H	15	34	1025·2	–	46·4	2·5	8·8	81	5·9	2	2	4	13	7	0	0	0	0	0	0	0	2	7	15	3	1	0	11	15	1	1											0	0	0	0	6	9	7	5	0
			21	34	1025·9	–	44·3	1·8	8·5	85	4·7	6	4	2	6	10	0	0	0	0	0	0	0	2	9	11	6	0	0	8	15	5	0											0	0	0	1	7	12	3	3	2
			3	122	1026·8	–	43·2	1·6	8·4	86	4·4	0	13	4	1	10	0	0	0	0	0	0	0	0	6	8	9	5	0	0	3	8	17	0											0	0	0	1	4	17	3	3	0
			9	122	1026·5	–	43·1	1·4	8·4	87	5·4	0	6	6	9	7	0	0	0	0	0	0	0	0	7	6	9	6	0	4	7	17	0											0	0	0	2	3	18	3	2	0
	Rhuvaal	H	15	122	1026·1	–	46·0	2·6	8·4	80	5·2	0	7	6	9	6	0	0	0	0	0	1	0	0	5	5	14	3	0	0	0	0	0											0	0	0	0	4	12	8	2	0
			21	122	1026·7	–	43·8	1·7	8·4	86	4·9	0	12	1	3	11	1	0	0	0	1	0	0	5	9	9	4	0	2	3	11	10	2											0	0	0	0	2	11	4	3	1
			3	29	1029·0	–	39·1	0·9	7·7	92	6·4	1	2	5	6	10	4	2	2	1	1	3	4	8	4	4	5	0	1	1	7	9	10											0	0	0	1	1	8	3	0	1
			9	29	1028·7	+15·7	39·4	1·1	7·7	91	7·1	0	1	1	10	12	4	3	1	0	4	3	4	8	4	0	1	1	4	5	9	9											0	0	0	2	1	4	6	3	1
Renfrew	Renfrew ..	H	15	29	1028·0	–	42·2	1·7	8·1	87	6·7	2	0	3	7	15	1	1	2	0	1	3	4	7	7	1	1	1	0	2	14	7	6											0	0	2	5	2	1	7	4	1
			21	29	1028·9	–	40·1	1·2	7·7	90	6·3	0	4	3	9	8	4	2	1	1	4	0	0	8	9	1	2	0	0	0	8	14	6											0	0	1	5	1	4	7	4	0
			3	33	1029·0	–	39·6	1·1	7·7	90	4·6	7	3	3	6	9	0	0	0	0	0	1	0	7	8	9	4	0	0	0	11	14	2											0	0	5	4	2	5	6	2	0
			9	33	1028·9	–	39·3	1·4	7·4	87	5·1	2	6	3	11	6	0	0	0	0	0	1	6	3	7	7	4	0	0	0	11	16	1											1	3	4	4	8	5	2	0	0
Ayr	Prestwick Airport	H	15	33	1028·0	–	45·3	2·4	8·6	81	5·5	1	6	3	8	10	0	0	0	0	0	1	6	5	11	5	0	0	0	16	11	1											2	2	3	3	8	7	2	0	0
			21	33	1028·8	–	40·8	1·2	7·9	89	4·9	6	4	1	6	11	0	0	0	0	2	2	5	9	9	1	0	0	0	13	14	1	0											2	2	5	5	6	6	3	0	0
			9	778	1029·8	+16·4	36·0	0·4	7·1	96	6·5	2	2	1	6	11	6	0	2	4	0	3	4	5	9	2	6	2	0	0	5	4	11	8											1	4	1	0	5	8	1	0	0
Dumfries	Eskdalemuir	H	15	778	1028·4	–	41·4	1·4	7·9	88	6·5	1	3	2	5	16	1	0	0	2	0	0	3	12	7	5	4	2	0	2	9	12	5											0	2	3	1	7	6	3	1	1
			21	778	1029·6	–	37·4	0·6	7·3	94	6·1	3	3	1	6	14	1	0	1	0	1	1	4	2	2	5	16	0	1	3	3	16	6											2	1	3	1	6	7	1	2	1
			3	260	1029·3	–	41·6	0·4	8·7	96	5·9	0	4	6	4	14	0	0	0	0	0	1	0	2	2	4	16	0	0	3	3	17	7	0											0	0	2	8	8	7	2	1	1
			9	260	1029·1	–	41·3	0·5	8·6	96	6·6	0	1	6	5	16	0	0	1	1	1	0	0	4	5	16	0	1	3	14	10	0											0	0	0	4	6	5	8	3	2
Wigtown	Mull of Galloway	H	15	260	1028·3	–	43·9	0·9	9·1	92	6·1	0	4	5	4	15	0	0	0	0	1	0	2	1	6	16	0	1	5	17	5	0											0	0	0	4	5	9	6	3	1
			21	260	1029·0	–	42·5	0·6	8·8	94	5·4	0	5	9	1	13	0	0	0	0	1	1	3	2	5	16	0	1	5	14	8	0											0	0	0	2	8	8	6	3	1
6b ISLE OF MAN																																																	
			3	31	1029·6	–	41·7	0·7	8·5	94	4·9	5	6	0	8	8	1	0	0	0	2	2	2	2	6	14	0	0	2	11	15	0											0	1	3	7	7	6	4	0	
			9	31	1029·5	–	42·5	0·9	8·6	92	6·1	1	3	3	14	6	1	0	1	1	0	4	0	2	6	14	0	0	2	13	13	0											0	1	3	5	3	8	4	1	0
Isle of Man	Point of Ayre ..		15	31	1028·8	–	46·0	1·9	9·2	86	5·3	2	6	3	8	9	0	0	0	0	0	3	1	4	7	13	0	0	2	5	10	0											0	2	2	5	7	7	4	1	1
			21	31	1029·3	–	43·0	0·9	8·9	93	5·0	7	2	2	6	11	0	0	0	0	0	4	1	2	8	13	0	0	2	12	14	0											2	1	3	8	3	7	8	2	1
			3	68	1030·3	–	42·4	1·1	8·5	91	5·6	3	2	6	4	13	0	0	0	0	1	0	2	2	8	13	1	1	0	3	16	9	0											3	1	1	9	1	5	5	6	3
			9	68	1030·2	–	42·4	1·0	8·5	91	6·6	0	4	1	9	14	0	0	0	0	1	3	1	8	13	2	0	0	2	15	10	1											2	1	1	7	3	5	5	4	0
	Ronaldsway	H	15	68	1029·4	–	45·1	1·7	8·9	86	6·3	0	4	2	10	12	0	0	0	0	0	1	1	4	7	9	6	2	0	2	15	10	1											0	0	1	0	8	3	5	6	5	4	5	0	0
			21	68	1030·0	–	42·8	1·3	8·6	90	5·4	4	3	3	7	11	0	0	0	0	0	3	2	10	10	2	1	0	2	14	9	3											1	0	8	2	5	5	2	2	
2 ENGLAND, N.E.																																																	
			3	142	1030·0	–	37·6	1·1	6·9	89	5·2	5	2	5	6	9	1	0	1	0	0	5	3	4	9	5	1	0	0	1	5	17	5											0	1	1	0	6	10	5	0	
			9	142	1029·9	–	39·1	1·4	7·2	87	6·4	1	3	1	13	9	1	0	0	1	0	6	2	4	11	4	0	0	2	9	16	1											0	0	1	2	0	7	9	8	1
Northumberland	Acklington	H	15	142	1029·0	–	43·8	2·6	7·8	80	6·4	0	3	3	11	11	0	0	0	0	0	1	5	6	7	2	4	0	0	5	11	12	0											2	1	2	2	0	8	10	4	1
			21	142	1029·8	–	39·8	1·3	7·5	88	6·3	4	2	0	4	16	2	0	2	0	0	5	3	7	8	3	0	0	0	8	17	3											0	0	2	1	7	9	6	0	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
2 ENGLAND, N.E.—*cont.*																
Northumberland—*cont.*	Tynemouth H	3	130	1030·7	–	40·0	1·4	7·5	89	6·0	3	1	5	4	13	2
		9	130	1030·5	+17·1	40·1	1·6	7·3	86	6·6	1	2	2	9	14	0
		15	130	1029·6	–	43·7	2·5	7·8	80	6·9	0	0	6	6	16	0
		21	130	1030·2	–	41·7	1·7	7·8	86	6·2	4	1	0	10	13	0
Durham	Middleton St. George H	3	118	1031·1	–	38·6	0·9	7·4	91	7·0	0	1	2	8	12	5
		9	118	1031·1	–	39·1	1·3	7·3	90	6·8	0	3	0	11	12	2
		15	118	1029·9	–	43·7	2·5	7·8	81	6·9	0	1	3	14	9	1
		21	118	1030·8	–	40·1	1·4	7·6	88	6·3	1	4	1	8	12	2
Yorks., N. Riding	Dishforth H	3	131	1031·4	–	38·4	1·1	7·2	91	7·1	1	0	4	5	15	3
		9	131	1031·6	–	38·5	1·1	7·2	90	7·1	0	1	1	12	10	4
		15	131	1030·3	–	44·1	2·5	7·9	81	7·0	0	0	2	16	9	1
		21	131	1031·1	–	40·1	1·4	7·6	89	6·1	2	2	4	7	11	2
Yorks., E. Riding	Driffield .. H	3	69	1031·6	–	38·2	1·1	7·1	90	6·7	2	1	1	7	15	2
		9	69	1031·7	–	38·1	1·1	7·1	89	6·4	0	1	5	7	12	3
		15	69	1030·6	–	44·1	2·8	7·8	79	6·6	0	2	5	8	13	0
		21	69	1031·3	–	39·6	1·2	7·4	88	5·8	3	1	6	4	13	1
	Spurn Head H	3	54	1031·8	–	39·0	0·9	7·5	92	5·5	5	1	3	7	9	3
		9	54	1032·1	+17·8	39·2	0·8	7·6	93	6·0	2	1	6	7	12	0
		15	54	1031·2	–	43·5	2·0	8·2	85	5·8	1	4	4	7	12	0
		21	54	1031·6	–	40·8	1·0	7·9	91	5·2	5	3	4	2	13	1
Lincoln	Waddington H	3	227	1032·2	–	37·2	0·7	7·1	94	6·4	1	4	2	2	15	4
		9	227	1032·5	–	37·7	0·7	7·3	93	6·8	1	2	1	7	14	3
		15	227	1031·3	–	43·7	2·3	8·0	82	6·1	0	4	4	7	12	1
		21	227	1032·0	–	39·8	1·2	7·6	91	6·0	3	3	2	6	12	2
	Manby H	3	47	1031·0	–	37·6	0·8	7·1	92	6·0	4	3	2	3	14	2
		9	47	1032·4	–	38·5	1·0	7·3	91	6·7	0	2	2	9	14	1
		15	47	1032·2	–	44·6	2·8	7·9	79	5·9	0	7	2	7	12	0
		21	47	1031·8	–	39·7	1·3	7·5	89	5·6	4	2	4	4	13	1
3 ENGLAND, E.																
Norfolk	Marham H	3	89	1032·5	–	35·7	0·7	6·6	93	5·6	6	2	0	4	12	4
		9	89	1033·0	–	36·6	0·8	6·9	93	6·7	0	2	2	8	11	5
		15	89	1031·8	–	43·5	2·4	7·8	80	6·3	1	4	1	8	14	0
		21	89	1032·4	–	38·6	0·9	7·3	91	5·1	8	1	2	3	13	1
	West Raynham H	3	263	1032·2	–	36·0	0·7	6·9	94	5·0	5	5	2	2	12	2
		9	263	1032·7	–	36·7	0·8	6·9	92	6·4	1	4	0	9	11	3
		15	263	1031·5	–	43·2	2·6	7·8	81	6·1	2	2	4	6	14	0
		21	263	1032·0	–	38·5	1·0	7·4	91	5·1	6	2	4	3	12	1
	Gorleston	3	26	1032·5	–	38·4	1·1	7·1	89	4·6	9	1	4	2	11	1
		9	26	1033·0	+17·0	38·4	1·2	7·1	89	6·1	1	3	3	9	11	1
		15	26	1031·9	–	41·7	1·8	7·7	86	5·9	2	4	4	4	14	0
		21	26	1032·5	–	39·6	1·2	7·4	89	5·0	5	5	3	0	13	2
Suffolk	Mildenhall H	3	39	1032·3	–	36·8	0·9	6·8	91	5·3	5	3	2	3	14	1
		9	39	1032·8	–	37·1	1·0	6·8	91	6·2	1	4	2	8	11	2
		15	39	1031·6	–	44·9	3·3	7·6	75	6·1	4	2	0	6	16	0
		21	39	1032·2	–	39·9	1·6	7·3	88	5·1	8	0	2	5	12	1
	Felixstowe.. H	3	13	1032·4	–	37·1	0·8	6·9	92	5·0	6	3	3	1	11	4
		9	13	1032·9	+16·8	37·2	0·8	7·0	93	6·0	2	3	4	4	12	3
		15	13	1032·0	–	40·8	1·5	7·5	87	5·9	5	2	2	2	16	1
		21	13	1032·3	–	38·7	0·8	7·4	92	5·0	6	2	5	1	11	3
Huntingdon	Wyton .. H	3	141	1032·5	–	36·1	0·5	6·9	93	5·6	6	2	0	5	13	2
		9	141	1032·7	–	36·5	0·8	7·0	93	6·5	0	3	3	7	13	2
		15	141	1031·8	–	43·8	2·8	7·8	79	6·4	3	2	0	6	17	0
		21	141	1032·3	–	39·4	1·3	6·7	90	4·6	9	2	2	1	13	1
Bedford	Cardington H	3	96	1032·6	–	35·9	0·6	6·7	93	5·3	8	0	1	5	12	2
		9	96	1033·2	–	37·1	0·8	7·0	92	6·6	1	2	2	7	13	3
		15	96	1031·9	–	44·4	3·0	7·7	78	5·9	4	1	3	5	15	0
		21	96	1032·4	–	38·4	1·0	7·2	91	4·9	6	4	2	4	11	1
Hertford	Bovingdon H	3	517	1032·4	–	34·8	0·5	6·6	95	5·6	7	0	2	3	9	7
		9	517	1033·0	–	36·0	0·7	6·8	93	6·4	2	3	0	6	8	9
		15	517	1031·7	–	42·4	2·3	7·5	82	5·9	3	3	2	4	13	3
		21	517	1032·4	–	37·0	0·9	6·9	92	4·9	9	1	1	3	10	4
Essex	Shoeburyness H	9	12	1033·2	+16·8	38·4	1·2	7·1	90	6·1	0	5	1	3	14	3
		15	12	1032·3	–	42·6	2·2	7·7	83	6·2	3	1	4	3	16	1
		21	12	1032·7	–	39·2	1·3	7·3	89	4·7	8	2	3	0	14	1
4 MIDLAND COUNTIES																
Yorks, W.R.	Huddersfield (Oakes) H	3	769	1031·3	–	37·4	1·2	6·8	90	5·9	3	2	5	2	15	1
		9	769	1031·8	–	39·1	1·6	7·1	87	6·6	1	1	4	4	18	0
		15	769	1030·6	–	42·2	2·4	7·5	81	6·2	0	4	5	6	13	0
		21	769	1031·5	–	38·6	0·9	7·4	91	5·9	3	4	2	1	18	0
Nottingham	Watnall .. H	3	390	1032·2	–	36·9	0·6	7·0	94	6·1	2	5	0	3	13	5
		9	390	1032·5	–	37·4	0·9	7·1	93	6·9	1	1	1	10	9	6
		15	390	1031·2	–	43·4	2·9	7·5	83	6·4	1	2	3	7	13	2
		21	390	1032·0	–	39·1	1·1	7·4	90	5·9	2	4	2	6	9	5
	Finningley H	3	46	1031·9	–	37·6	0·8	7·1	93	6·0	5	0	3	3	13	4
		9	46	1032·3	–	38·8	1·0	7·4	91	6·5	2	2	1	8	13	2
		15	46	1031·1	–	44·8	3·0	7·9	75	6·2	1	2	5	8	12	0
		21	46	1031·7	–	39·9	1·3	7·5	89	4·9	7	4	1	3	11	2
	Langar H	9	109	1032·7	–	37·4	1·1	7·0	90	6·7	1	1	3	7	14	2
		15	109	1031·5	–	44·2	3·1	7·5	76	6·0	2	3	4	6	13	0
		21	109	1032·2	–	39·1	1·2	7·3	88	5·5	5	2	3	5	11	2
Northampton	Wittering H	3	219	1032·4	–	36·4	0·8	6·9	93	6·0	4	1	3	3	14	3
		9	219	1032·8	–	36·9	0·8	7·0	93	6·3	2	2	3	6	12	3
		15	219	1031·6	–	43·7	2·8	7·8	80	5·8	1	5	2	10	9	1
		21	219	1032·1	–	38·7	1·2	7·3	90	5·4	6	2	1	6	12	1

VISIBILITY: NUMBER OF OBSERVATIONS									WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force					DIRECTION							
0–44 yd.	45–210 yd.	220–439 yd.	440–1,099 yd.	1,100–2,199 yd.	2,200–4,399 yd.	3–6 mi.	7–12 mi.	13–24 mi.	25 mi. or over	8 or more	6, 7	4, 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
										Speed in Knots: 34 or more	22 to 33	11 to 21	1 to 10	0							
0	2	0	0	1	5	10	10	0	0	0	0	8	18	2	1	0	3	0	4	10	8	0
0	0	0	3	12	2	6	2	0	0	0	1	8	19	0	0	1	2	0	6	8	9	2
0	0	0	1	7	3	10	7	0	0	0	1	6	20	1	0	1	4	0	8	5	8	1
0	0	0	3	6	1	12	6	0	0	0	0	7	21	0	1	1	4	0	7	5	10	0
0	2	3	0	3	4	7	3	0	0	0	1	6	14	7	1	1	1	1	8	7	2	0
0	0	1	2	5	4	3	8	3	2	1	0	0	7	19	2	0	2	0	11	7	3	1
0	2	0	1	2	4	4	11	4	1	0	0	2	9	17	0	1	1	3	1	10	8	3	1
0	1	0	0	3	4	6	9	8	0	0	0	0	6	18	4	1	3	2	0	7	5	5	1
0	0	3	0	4	7	6	7	1	0	0	0	3	22	3	4	3	0	1	5	7	4	2	1
0	0	2	3	3	7	5	1	3	1	0	0	6	21	1	3	1	1	6	7	4	4	1	
0	0	1	2	4	8	3	5	1	4	0	0	9	18	0	1	1	2	5	8	7	3	1	
0	0	0	2	7	5	8	2	3	1	0	0	5	17	6	0	2	2	3	6	5	2	0	
0	1	5	7	1	1	3	3	1	2	0	1	5	15	7	1	1	3	3	4	9	0	1	
0	0	3	0	6	10	4	3	5	0	0	0	8	17	3	0	2	3	3	4	9	3	1	
0	0	0	1	0	8	6	3	2	1	0	0	3	21	4	3	1	1	3	5	6	5	0	
0	0	0	3	3	5	14	2	0	0	0	1	7	17	3	0	0	4	3	4	5	5	4	
0	0	0	1	7	8	11	1	0	0	0	0	10	16	2	1	0	1	4	2	8	5	5	1
0	0	0	2	13	9	2	0	0	0	0	1	11	12	4	0	1	1	3	3	6	6	2	
0	0	0	1	6	16	2	2	0	0	0	0	9	16	3	0	0	5	1	4	8	4	3	1
0	0	2	1	4	8	2	2	0	0	0	0	8	17	3	1	4	2	4	3	8	2	1	
0	0	2	1	6	9	1	1	1	0	0	0	8	16	4	0	4	1	2	9	6	2	0	
0	0	1	1	6	7	9	3	2	0	0	0	9	14	4	0	4	1	2	9	6	2	0	
0	0	0	1	3	8	7	2	4	2	0	0	6	20	2	3	2	3	3	6	7	2	0	
0	0	0	0	3	8	10	3	3	0	0	0	9	15	4	2	2	3	2	4	6	3	0	2
0	0	0	1	2	8	13	3	0	0	0	0	9	16	3	2	3	2	2	9	5	2	0	
0	0	0	1	2	8	10	3	2	0	0	1	12	13	2	1	4	1	1	4	8	1	1	
0	0	0	0	2	8	10	3	2	3	0	1	12	13	2	1	4	1	1	3	5	9	3	0
0	0	0	0	1	4	6	9	2	0	0	0	8	18	2	1	3	3	1	7	8	3	0	
0	0	0	1	1	3	6	2	0	0	0	0	6	19	3	1	4	3	3	3	4	6	1	
0	0	0	1	1	4	5	3	0	0	0	0	9	16	3	2	1	6	2	2	8	3	1	
0	0	0	1	1	3	5	2	0	0	0	1	12	15	0	1	5	3	1	4	7	6	1	
0	0	0	0	1	3	5	2	0	0	0	0	11	15	2	0	4	1	4	5	7	4	1	
0	0	0	0	1	3	5	2	0	0	0	0	9	16	3	1	4	2	4	3	8	3

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1959

| 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 | | | | | | | | |

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	MEAN TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	MEAN TEMPERATURE AND HUMIDITY: Vapour Pressure	MEAN TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–219 yd.	220–439 yd.	440–1,099 yd.	1,100–2,199 yd.	2,200–4,399 yd.	3–6 mi.	7–12 mi.	13–24 mi.	25 mi. or over	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	0, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																				
7a ENGLAND, N.W.—*cont.*																																												
Cheshire — Manchester Airport H	3	251	1031·5	–	38·3	1·0	7·3	91	6·5	2	1	3	6	12	4	0	3	1/2	2/1	2	7	8/11	5/3	0	0/0	0	0	6	16	6	1	3	2	2	10	0	2	2
	9	251	1031·8	–	38·9	1·4	7·3	88	6·5	1	0	6	10	8	3	1	2	0/0	1/1	1	7			0	0	1	8	14	5	0	0	3	6	10	0	4	0
	15	251	1030·6	–	44·7	3·0	7·8	77	5·8	1	4	4	10	9	0	0	3			3	7	9/7	5/4	3		0	4	0	4	8	7	3	0	0				
	21	251	1031·3	–	40·3	1·3	7·7	88	5·6	5	0	6	3	11	3	0	3			2	9			1	0/0	0	0	7	20	1	3	2	0	6	13	1	2	0
7b NORTH WALES																																											
Anglesey — Holyhead .. (Valley) H	3	29	1030·5	–	41·3	1·0	8·3	92	4·9	9	1	1	3	14	0	0	0	0	0	3	8	12	3	2	0	0	3	10	13	2	0	5	4	1	8	5	0	3
	9	29	1030·6	+16·3	41·7	1·0	8·4	91	5·3	2	7	1	9	9	0	0	0	0	1	1	5	10	8	2	1	0	2	11	12	3	0	4	2	0	11	6	0	2
	15	29	1029·8	–	46·3	2·0	9·2	89	5·4	4	4	1	8	10	1	0	0	1	0	1	5	9	8	4	0	0	3	12	11	2	1	2	3	1	8	8	2	1
	21	29	1030·3	–	42·4	0·9	8·7	93	5·3	7	1	2	3	14	1	0	0	0	2	0	10	10	5	1	0	0	3	12	10	3	0	1	6	1	8	6	0	3
8a SOUTH WALES																																											
Cardigan — Aberporth .. H	3	379	1031·0	–	40·3	1·3	7·7	88	4·2	8	5	1	3	10	1	0	1	0	0	0	2	10	12	3	0	0	0	13	13	2	0	1	3	4	13	2	2	1
	9	379	1031·2	–	40·7	1·4	7·8	88	5·6	1	6	1	12	7	1	0	1	0	0	0	3	1	7	9	5	2	0	1	14	12	1	0	0	4	2	15	2	2	2
	15	379	1030·2	–	46·1	3·1	8·3	77	4·4	4	7	2	8	6	1	0	1	0	0	0	2	0	8	8	5	4	0	1	16	11	0	0	2	3	4	10	5	2	2
	21	379	1030·9	–	41·4	1·3	8·0	87	4·4	6	4	4	5	8	1	0	1	0	0	0	3	13	9	2	0	0	0	11	14	3	0	1	3	3	12	4	2	0
Glamorgan — Mumbles Head H	3	123	1031·7	–	40·0	1·0	7·7	90	5·7	6	1	6	2	12	1	0	1	1	0	2	6	8	8	0	0	0	4	12	10	2	2	3	7	3	3	5	0	
	9	123	1031·9	–	40·3	1·0	7·8	90	6·0	0	3	7	4	12	2	1	0	0	0	3	5	3	8	8	0	0	0	3	12	11	2	1	5	7	4	5	0	3	1
	15	123	1031·1	–	43·6	2·0	8·0	78	5·1	3	6	3	3	11	2	0	1	0	0	0	2	6	11	8	0	0	0	1	17	7	3	0	1	10	4	1	3	5	1
	21	123	1031·4	–	41·3	1·2	8·1	90	4·9	7	3	2	3	9	4	1	1	0	0	4	2	6	6	7	1	0	0	3	13	9	3	2	3	10	2	2	1	4	1
Rhoose .. H	3	225	1032·1	–	38·1	0·7	7·4	93	5·5	5	3	2	3	11	4	0	2	1	4	3	4	4	6	3	1	0	0	10	17	1	0	7	8	3	2	2	3	2
	9	225	1032·6	–	38·9	0·8	7·6	93	6·6	0	4	1	7	12	4	1	2	1	2	2	5	7	2	5	1	0	1	9	17	1	0	7	7	4	4	1	4	0
	15	225	1031·5	–	42·9	1·6	8·3	86	6·2	2	1	4	9	9	3	0	1	3	0	2	4	8	3	5	2	0	3	12	12	1	0	7	7	2	4	2	5	0
	21	225	1032·1	–	39·5	0·8	7·7	93	5·4	5	3	3	4	9	4	0	2	1	4	3	5	7	3	2	1	0	1	8	18	1	0	9	4	5	1	2	5	1
8b ENGLAND, S.W.																																											
Dorset — Portland Bill H	3	35	1031·3	–	41·3	0·2	8·8	98	5·1	7	2	2	0	13	4	0	3/1	1	2	1/0	3	2	10	6	0	0	4	9	15	0	0	1	14	0	7	2	2	2
	9	35	1031·9	–	41·0	0·2	8·7	98	6·4	2	2	3	5	12	4	0	0	1	0	1	5	7	7	4	1	2	0	4	9	14	1	1	2	12	1	5	1	3	2
	15	35	1031·0	–	43·7	0·8	9·3	94	5·9	2	2	2	6	4	14	0	0	0/2	0	1	1/1	2	11	11	2	0/0	0	4	8	16	0	1	1	15	0	4	3	4	0
	21	35	1031·4	–	42·2	0·4	8·9	97	5·4	7	1	2	2	13	3	0	0	0	3	1/2	1	7	2	4	0/0	0	1	7	19	1	1	4	11	1	2	3	2	3
Devon — Hartland Pt. H	3	305	1030·6	–	41·1	1·1	7·9	89	4·1	5	6	5	7	5	0	1	0	0	0	1	2	8	15	2	0	0	2	11	14	1	1	1	10	5	4	3	2	1
	9	305	1031·0	–	41·5	1·0	8·2	90	5·6	0	5	4	12	5	2	0	1	0	1	0	2	8	14	1	0	0	2	12	14	0	0	2	8	6	5	3	1	3
	15	305	1030·2	–	45·1	1·9	8·7	85	4·9	2	5	6	9	3	3	0	2	0	1	0	3	9	13	0	0	0	2	12	12	2	1	4	5	2	4	7	2	1
	21	305	1030·5	–	42·7	1·3	8·5	89	4·5	5	6	3	6	2	0	0	2	0	1	0	3	7	13	2	0	0	1	10	16	1	1	1	9	3	3	5	4	1
Plymouth (Mount Batten) H	3	100	1031·5	–	41·3	0·8	8·2	92	5·1	5	4	2	3	13	1	0	1	0	0	2	9	11	4	1	0	0	1	11	12	4	2	5	8	3	2	1	0	3
	9	100	1031·9	+15·5	42·1	1·1	8·3	90	6·2	1	2	5	7	12	1	0	1	0	3	4	3	10	5	2	0/0	0	0	13	11	4	0	5	9	2	4	1	1	2
	15	100	1030·9	–	46·8	2·7	8·7	79	4·6	3	7	4	6	8	0	0	1	0	1	3	3	11	7	3	0	0	0	16	12	0	0	2	10	2	6	5	0	3
	21	100	1031·5	–	42·6	1·0	8·6	91	4·4	8	3	2	6	8	1	0	1	1	0	14	10	2	0	0	0/0	0	0	10	17	1	1	4	8	3	4	4	1	2
Chivenor .. H	3	23	1031·6	–	40·5	0·9	7·9	92	5·6	4	2	5	3	13	1	0	1	1	0	1	5	11	6	4	0	0	0	9	17	2	0	0	12	8	1	1	1	3
	9	23	1032·3	–	41·6	1·0	8·3	92	6·5	0	3	3	10	11	1	0	0	1	0	1	4	3	7	7	5	0	0	0	8	19	1	1	0	12	5	5	1	2	1
	15	23	1031·0	–	47·3	2·4	9·2	81	5·0	2	8	3	6	9	0	0	0	0	0	2	7	4	8	6	1	0	0	13	14	1	0	0	6	9	3	3	5	1
	21	23	1031·6	–	42·2	1·1	8·5	91	5·0	5	4	2	6	10	1	0	0	0	1	0	5	12	8	2	0	0	0	6	20	2	0	1	12	3	5	2	1	2
Exeter .. H	3	125	1032·0	–	39·0	0·6	7·7	94	6·4	3	1	2	4	15	3	0	3	1	0	5	5	7	4	3	0	0	0	6	13	9	0	7	2	1	5	0	1	3
	9	125	1032·6	–	39·6	0·8	7·8	92	6·7	0	3	1	8	14	2	0	2	0	2	5	3	7	6	3	0	0	0	7	14	7	3	5	2	2	4	1	1	3
	15	125	1031·4	–	45·8	2·7	8·4	80	5·5	1	5	5	8	9	0	0	1	4	0	4	6	4	4	6	3	0	1	11	12	4	2	3	7	1	5	3	2	1
	21	125	1032·1	–	41·9	1·8	8·2	92	5·4	2	7	1	4	11	3	0	0	2	0	1	2	6	9	4	3	1	0	0	6	18	4	2	5	3	6	3	0	1	4
Cornwall — St.Mary's, Scilly H	3	199	1029·9	–	46·4	1·9	9·2	85	5·7	3	4	2	7	12	0	0	0	0	0	0	3	11	7	5	2	0	2	12	14	0	2	1	5	6	7	4	1	2
	9	199	1030·4	+14·6	46·7	2·0	9·2	84	5·6	1	2	7	10	7	0	0	0	0	0	0	2	14	6	5	1	0	1	12	15	0	2	1	6	6	6	3	3	1
	15	199	1029·6	–	48·4	2·5	9·4	80	5·5	1	4	7	6	10	0	0	0	0	0	0	3	15	3	5	2	0	1	15	12	0	1	0	7	5	6	4	2	3
	21	199	1030·2	–	46·7	1·8	9·4	86	5·1	2	4	6	8	8	0	0	0	0	0	0	2	13	6	5	2	0	2	13	11	2	1	1	6	6	6	2	1	3
St. Mawgan H	3	350	1031·5	–	41·1	0·5	8·5	94	4·2	9	2	3	7	7	0	0	0	0	1	1	4	15	7	0	0	0	0	12	15	1	0	2	8	5	8	0	0	4
	9	350	1031·7	–	42·0	0·7	8·7	93	5·9	5	3	4	7	9	0	0	0	1/0	1	3	2	10	8	1	0	0	0	12	15	1	2	2	8	5	8	0	1	1
	15	350	1030·9	–	47·0	2·4	9·1	82	5·2	2	5	4	9	7	1	0	0	0	1	1	5	11	4	4	2	0	0	17	11	0	1	1	5	7	8	1	4	1
	21	350	1031·5	–	42·1	0·6	8·7	93	4·9	7	2	2	9	8	0	0	0	0	1	7	14	6	0	0	0	0	0	11	16	1	1	3	8	5	5	2	2	1
NORTHERN IRELAND																																											
Londonderry — Ballykelly H	3	13	1027·4	–	41·6	1·9	7·7	84	4·6	8	1	4	10	5	0	0	0	0	0	0	1	10	11	6	0	0	0	10	15	3	1	1	2	7	5	4	5	0
	9	13	1027·1	–	41·9	2·0	7·8	83	5·6	4	2	1	16	5	0	0	0	0	0	3	3	5	5	12	0	0	2	10	15	1	0	0	3	5	10	6	3	0
	15	13	1026·4	–	47·5	3·2	8·6	76	5·7	1	3	6	13	4	1	0	1	0	0	0	4	4	5	12	2	0	5	9	12	2	0	0	2	6	5	8	5	0
	21	13	1027·1	–	42·9	2·0	8·1	84	4·4	9	3	2	7	7	0	0	0	0	0	1	4	8	7	8	0	0	0	11	14	3	0	0	2	6	8	5	4	0
Antrim — Aldergrove H	3	220	1029·0	–	40·4	1·0	8·0	91	5·6	5	1	3	7	11	1	0	1	0	0	2	1	11	10	3	0	0	2	7	14	5	0	0	3	4	11	3	2	0
	9	220	1028·7	+15·4	40·7	1·1	8·0	90	6·2	2	2	2	11	11	0	0	0	0	0	4	1	11	9	2	1	0	2	8	17	1	0	0	7	3	14	2	1	0
	15	220	1028·0	–	46·2	2·5	8·7	80	5·9	1	4	2	14	7	0	0	0	0	0	1	3	9	7	7	1	0	1	12	14	1	0	0	3	8	4	10	2	0
	21	220	1028·5	–	42·3	1·2	8·5	90	4·7	5	6	1	7	9	0	0	0	0	0	1	0	3	13	6	5	0	0	1	9	16	2	0	0	6	3	11	4	2	0
Nutts Corner H	3	356	1029·1	–	40·8	1·1	8·0	91	5·5	3	4	3	7	10	1	0	0	0	1	0	0	4	12	6/3	0	0	0	12	12	4	0	0	3	3	9	4	5	0
	9	356	1028·8	–	41·3	1·2	8·1	90	6·0	0	6	2	9	11	0	0	0	0	0	3	2	9	6/3	6/2	0	0	1	10	16	1	0	0	3	6	12	3	3	0
	15	356	1027·9	–	46·0	2·4	8·7	81	6·0	1	3	5	10	9	0	0	0	0	0	1	2	7	9/5	7/5	2	0	1	14	13	0	0	0	3	6	6	9	4	0
	21	356	1028·6	–	42·5	1·4	8·4	89	5·4	6	2	1	7	12	0	0	0	0	1	0	0	3	14			0	0	0	9	19	0	0	0	3	6	11	5	3	0

H *See* Notes on Tables in the Introduction.

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, FEBRUARY, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	158	15	17	7	70·7	28	97	21,28	15	7	50·1	28	138	15	16	7	68·2	28
Eskdalemuir	176	8	15	14	77·6	28	137	19	15	14	53·4	28	144	8	17	14	68·2	28
Cambridge	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Kingsway	277	28	24	11	91·0	28	122	3	24	11	69·0	28	325	28	26	11	101·0	28
Kew	277	28	18	10	90·1	28	119	26	18	10	57·4	28	277	28	20	10	93·0	28
Aberporth	275	18	68	28	160·6	28	166	23	48	2	99·1	28	–	–	–	–	–	–

TABLE VIII—NUMBER OF DAYS IN FEBRUARY, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	1	6	21	0	0	0	0	0	0	0	1	2	19	6	0	0
Stornoway	0	1	20	7	0	0	0	0	0	0	1	4	13	10	0	0
Craibstone	0	12	7	9	0	0	0	0	0	0	3	7	17	1	0	0
Rothesay	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Renfrew	3	7	13	5	0	0	0	0	0	0	3	6	9	10	0	0
Eskdalemuir	0	10	17	1	0	0	0	0	0	1	2	9	12	4	0	0
Douglas	0	7	20	1	0	0	0	0	0	0	0	2	16	10	0	0
Cockle Park	1	12	9	6	0	0	0	0	0	0	0	14	8	6	0	0
Gorleston	0	13	9	6	0	0	0	0	0	0	0	1	26	1	0	0
Cambridge	0	13	7	6	2	0	0	0	0	0	0	12	16	0	0	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	2	12	8	5	1	0	0	0	0	0	0	7	15	6	0	0
Kew Observatory	0	13	7	7	1	0	0	0	0	0	0	4	21	3	0	0
Hastings	0	12	12	4	0	0	0	0	0	0	0	9	16	3	0	0
Southampton	0	8	12	6	2	0	0	0	0	0	0	10	14	4	0	0
Stonyhurst	0	11	13	4	0	0	0	0	0	0	0	12	9	7	0	0
Bidston Observatory	0	10	11	6	1	0	0	0	0	0	0	9	11	8	0	0
Holyhead (Valley)	0	1	21	6	0	0	0	0	0	0	0	8	7	13	0	0
Falmouth	0	0	17	11	0	0	0	0	0	0	0	3	9	16	0	0
Aldergrove	0	2	20	6	0	0	0	0	0	0	1	5	12	10	0	0
Armagh	0	3	10	15	0	0	0	0	0	0	0	10	9	9	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days									BRIGHT SUNSHINE	
				Means of				Highest Maximum and Lowest Minimum						Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale		
		Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.			Amount	Date	·01in. (0·2mm.) or more	·04in. (1·0mm.) or more								Daily Mean	Percentage of Average
1958		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
May	Crask	999	740	52·1	36·3	44·2	–	67	2	30	11,13	–	–	6·61	–	1·49	23	25	20	2	0	2	2	0	5	12	1	–	–
June	Elgin	999	92																									4·85	
September	Dunbar	999	75																									5·41	
December	Glenmore Lodge	999	1000											3·95				23	19										
	Rattray Head	21–99	85	43·1	38·1	40·6	–	49	20	27	7	–	–	2·96	116	·99	12	20	14	3	0	2	0	0	7	–	3	1·56	–
	Liberton	999	200	44·2	33·5	38·9	–	52	27	26	14	–	–	3·75	–	·79	14	14	14	–	0	–	–	1	12	–	–	0·41	–
	Hawick	999	560											3·66				22	19										
	Rugby	999	385	44·2	34·8	39·5	–	54	27	27	7	40·8	45·2	2·26	–	·44	9	19	11	2	1	0	0	–	12	14	0	0·60	–
	Greenwich	999	24											2·86	145			17	13										
	Bognor Regis	999	24	48·2	38·6	43·4	+1·4	54	27,28	30	5,25	–	48·5	3·51	115	·68	15	14	12	0	0	1	1	3	4	9	0	1·75	87
1959																													
January	Lairg	999	240	35·8	23·0	29·4	–	43	2,29	9	15	34·5	40·1	6·47	–	1·02	1	20	18	14	30	2	0	0	28	31	0	–	–
	Achnashellach	999	220													(1·22 | 11)	26	21										
	Kinlochewe	999	76											7·03															
	Garve	999	526	35·6	20·0	27·8	–	43	19	5	15	–	–	3·44	–	·45	17	24	19	16	31	0	0	0	31	26	0	–	–
	Grantown-on-Spey	999	720	36·5	22·3	29·4	–	46	28	6	6,7	–	–	4·48	–	·67	11	19	16	–	30	–	–	–	30	30	–	–	–
	Gordon Castle	999	104																			+							
	Balmoral	999	927																	10		0	0				0		
	Logie Coldstone	999	608	37·2	26·9	32·1	-3·4	49	29	12	26	–	–	2·41	–	·47	12	16	12	16	29	0	0	–	25	–	1	–	–
	Fettercairn	999	560															15	15										
	Carnoustie	999	29	39·2	29·1	34·1	–	47	20,30	22	6	33·6	–	1·06	40	·55	18	9	6	4	8	0	0	3	22	27	0	2·97	–
	Arbroath	999	95															10											
	St. Andrews	999	13																									3·20	199
	Marchmont	999	498																									2·86	218
	Rothesay	999	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2·99	262
	Moniaive	999	480															11	10										
	Ruthwell	999	95	39·1	25·3	32·2	-5·4	47	18,19	15	14	–	–	1·80	46	·53	18	13	8	3	–	0	0	–	24	–	0	2·05	193S
	Filey	999	122	39·5	28·5	34·0	–	47	1	19	15	–	–	2·49	–	·38	12,21	18	16	11	10	6	0	6	21	22	0	2·86	–
	Horncastle	999	205	37·6	27·2	32·4	–	49	22	16	11	35·1	42·3	2·75	–	·62	6	15	11	–	6	–	–	5	24	23	0	–	–
	East Bergholt	999	14		31·6	36·3																			23				
	Dovercourt	999	11	40·6	30·1	35·3	–	52	22	21	14,15,17	–	–	1·62	–	·52	6	14	10	–	–	–	–	4	22	23	3	3·11	–
	Long Sutton	999	512	40·4	27·4	33·9	-4·6																		26	24		1·96	119S
	Wallasey	999	57	41·3	33·4	37·3	–	51	19	24	15	–	–	3·04	–	·61	6	17	12	7	5	0	0	14	16	–	1	1·82	–
	Newport	999	75		32·3	37·5				21	16														19				
	Blaenau Ffestiniog	999	750																									1·81	
	Usk	999	70	42·8		36·1																							
	Uffculme	999	400																	1									
	Gulval	999	50																	0			0				0		
	Stormont Castle	999	200																					–			–		

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

Volume 76 Number 3 Published by HER MAJESTY'S STATIONERY OFFICE

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March 1959—*Mostly mild*

For much of the first week the weather over the country was dominated by two vigorous depressions, one in the South-west Approaches, and two days later, another to the west of Ireland. Both moved east and filled rapidly. From 9th to 16th fronts from the Atlantic moved eastward rather slowly across the country, but during the third week a ridge of high pressure extended across the British Isles from an anticyclone over Russia. Thereafter disturbances from the Atlantic maintained changeable weather over the country until the end of the month.

During the first two days of the month an anticyclone near the southern Baltic maintained a southerly airstream, from the region of north Africa, over much of eastern and southern England and weather was generally warm and sunny after the clearance of fairly extensive early morning fog. On both days temperature rose to 64°F. locally and parts of south-east England had between eight and nine hours sunshine. Rain in western districts moved to Scotland. The upper ridge over eastern Europe weakened and moved slowly south-east during the next few days and depressions from the Atlantic affected the British Isles. There was fairly widespread rain on the 2nd and 3rd as a vigorous depression moved north-east from our South-west Approaches to Lincolnshire and rapidly filled. On the 4th an exceptionally deep depression became situated off western Ireland and there were severe gales to the south-west of the British Isles, but the depression filled rapidly as it moved slowly east across southern England. Winds, however, reached gale force along our western seaboard on the 5th, and weather was showery over most of the country with scattered thunderstorms.

Winds moderated on the 7th as a ridge of high pressure spread quickly south-east from Greenland and intensified to form an anticyclone north of Scotland where associated northerly winds brought snow showers to the higher ground. The next day the anticyclone moved to southern Scandinavia. Winds veered from north to east and weather became dull over much of the country with snow showers over the higher ground in north-east England and eastern Scotland although in many western districts there were prolonged periods of sunshine.

On the 10th the anticyclone moved further east to Russia and south-westerly winds penetrated into Ireland. During the next three or four days troughs and ridges from the Atlantic moved eastward across the country and weather was changeable with scattered thunderstorms. There was rain in most places on the 11th and 14th and scattered showers and long sunny periods on the 12th and 13th.

Weather became more settled on the 15th as an anticyclone to the south-west of Ireland spread north-eastwards to form a ridge of high pressure across the British Isles linking with the European high pressure system. The renewal of easterly winds over southern and central England on the 16th brought a marked fall of temperature and light snow showers to some Midland and eastern districts, although weather was predominantly dry with variable cloud and good sunny intervals. Ground frost was fairly widespread with air frost locally, and mist and fog patches also occurred quite widely. This régime persisted until the 20th with the easterlies extending gradually north to Scotland as a shallow depression formed over northern France, bringing slight occasional rain to some south-eastern districts of England.

On the 22nd the European upper high moved south-east and a milder south-westerly airstream spread over the British Isles from the Atlantic bringing fairly general rain and drizzle. Fog became widespread during the night in England, South Wales, south and central Scotland and parts of the North Sea and English Channel; it cleared from most inland areas during the following morning but persisted throughout the day in southern coastal districts and locally in south-east England. Wind freshened again on the 24th, and from then until the end of the month a series of troughs and ridges moved across the country and weather was changeable with periods of rain alternating with thundery showers and sunny periods.

Pressure and wind. Mean pressure was mostly below the 1921–50 average, the deviation at 9h. ranging from +0·3 mb. at Lerwick to −4·7 mb. at Aldergrove. A depression about 400 miles to the west of Ireland at midday on the 4th had the unusually low central pressure of 944 mb. Wind direction was mainly south to south-west until the 6th becoming easterly on the 7th and 8th and predominantly south-easterly on the 9th and 10th, while westerlies predominated on the 11th, 12th and 15th and southerlies on the 13th and 14th. Thereafter winds were mainly easterly from 16th–21st and between south and south-west from 22nd–31st. Wind reached gale force on 11 days in Scotland and on 14 days in England and Wales where gales were fairly widespread on the 4th and 5th. On the 4th a gust of 62 kt. was recorded at Lerwick and one of 60 kt. at Plymouth.

Temperature. Mean temperature was everywhere above the 1921–50 average, the excess being 2·4°F. in England and Wales, 2·4°F. in Scotland and 2·5°F. in Northern Ireland. In Scotland the mildest days were the 17th, 21st–26th and 30th–31st, and temperature rose above 60°F. locally on the 17th and 23rd. In England and Wales temperatures above 60°F. were recorded on several days and rose to 64°F. locally in south-east England on both the 1st and 2nd.

Extremes included: (England and Wales) 66°F. at Greenwich on the 1st, 19°F. at Corwen on the 13th; (Scotland) 63°F. at Fyvie Castle on the 23rd, 16°F. at Kincraig on the 21st; (Northern Ireland) 61°F. at Hillsborough on the 29th, 27°F. at Loughgall on the 13th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 115 in England and Wales, 89 in Scotland, where at Edinburgh it was the driest March since 1929, and 123 in Northern Ireland. Less than half the average occurred over eastern Britain from Tees-side to the Firth of Forth and in the Spey Valley. Twice the average was exceeded in the Vale of Taunton and over much of the Upper Thames Valley.

Most daily falls exceeding 2 in. occurred on the 6th, among these were: 2·58 in. at Treherbert and 2·43 in. at Rhondda W.W., both in Glamorgan, 2·25 in. at Cardiff W.W. and 2·16 in. at Ebbw Vale W.W., both in Brecknockshire.

Snow and sleet showers were fairly widespread in eastern and central districts on the 18th and 19th and also occurred on the 4th, 5th, 18th and 20th.

Thunder was heard in Scotland on the 10th, 27th and 28th and in England and Wales on the 2nd, 4th–7th, 11th, 12th, 23rd, 25th, 26th, 28th and 30th; it was fairly widespread on the 5th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 82 in England and Wales, 91 in Scotland and 109 in Northern Ireland. Sunshine was above the average in parts of the London Area, in the extreme south-west of Cornwall and in North Wales; at Aber it was 143 per cent. of the average.

Fog. Fog occurred at one place or another on 19 days in Scotland and was most widespread about the 2nd and around the middle of the second week. In England and Wales it occurred every day except the 5th, 19th and 28th and persisted into the afternoon at many places on the 22nd and 23rd.

Miscellaneous Phenomena. The aurora was visible in Scotland on 16 nights; it was seen as far south as Exeter on the night of the 27th/28th and at Hartland Point the following night.

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

MW Rdup

TABLE I—DISTRICT VALUES—MARCH, 1959 [1908, revised 1928, 1941 and 1956]

Districts	Air Temperature: Highest	Air Temperature: Lowest	Air Temperature: Difference from Average: Max.	Air Temperature: Difference from Average: Min.	Air Temperature: Difference from Average: Mean	Earth Temperature: At 1 ft. Difference from Average	Earth Temperature: At 4 ft. Difference from Average	Rainfall: Percentage of Average	Rainfall: No. of Days Difference from Average	Sunshine: Percentage of Average
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	61	16	+2·7	+2·4	+2·5	—	—	88	-4	102
Eastern										
1 SCOTLAND, E.	63	19	+1·9	+2·5	+2·2	—	—	58	-4	88
2 ENGLAND, N.E.	62	23	+1·4	+2·5	+2·0	+2·5	+0·9	73	-2	74
3 ENGLAND, E.	64	22	+2·0	+3·0	+2·5	+2·0	+0·7	107	+3	85
4 MIDLAND COUNTIES	63	27	+1·5	+3·2	+2·3	+2·1	+1·2	124	+3	80
5 ENGLAND, S.E.	66	26	+2·1	-3·3	+2·7	+2·6	+1·7	132	+5	90
Western										
6 SCOTLAND, W.	60	22	+1·7	+3·6	+2·6	+2·1	+0·9	104	+1	83
7 ENGLAND, N.W. (*and N. Wales*)	61	19	+2·2	+3·2	+2·7	+2·5	+1·6	64	+1	84
8 ENGLAND, S.W. (*and S. Wales*)	62	27	+1·1	+3·1	+2·1	+2·6	+1·0	149	+6	81
NORTHERN IRELAND	61	27	+2·5	+2·7	+2·5	—	—	—	+2	109

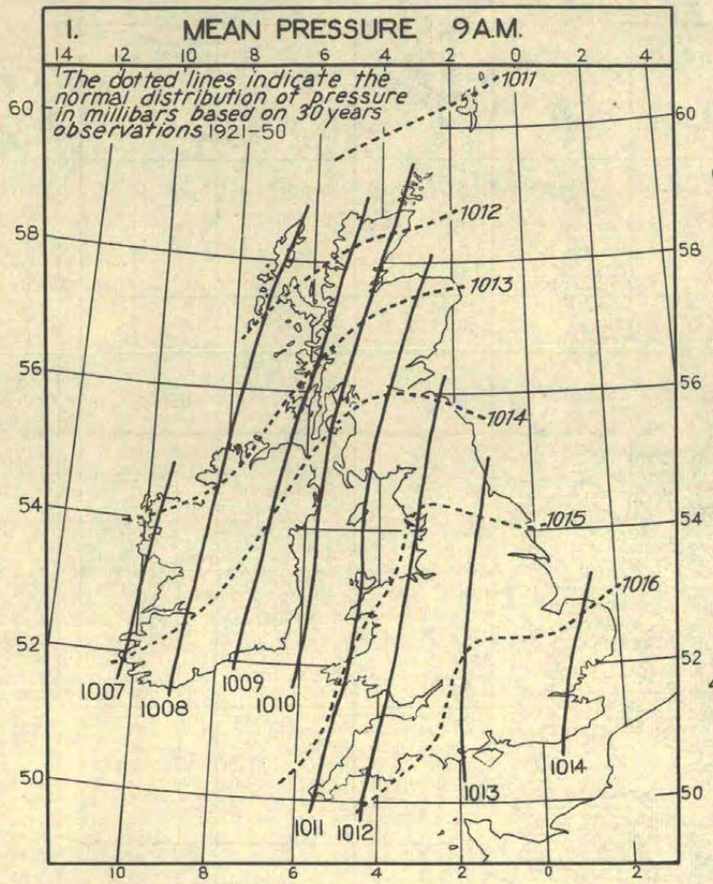
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—MARCH, 1959 [1914]

District, County and Place	Height of Vane: Above Mean Sea Level	Height of Vane: Above Ground	Height of Vane: Effective Height	Distribution of Mean Hourly Values of Wind Speed: 34 knots or more: Dates of Occurrence	34 knots or more: Duration	22 to 33 knots: No. of days	22 to 33 knots: Duration	11 to 21 knots: Duration	4 to 10 knots: Duration	Less than 4 knots: Duration	No Record: Duration	Mean Hourly Wind Speed	Highest Velocities: Highest Hourly Wind: Veer from N.	Highest Hourly Wind: Speed	Highest Hourly Wind: Hour ended at	Highest Gust: Speed	Highest Gust: 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	14,31	10	15	169	373	175	17	0	16·3	170	36	31 08	49	31 0735
Orkney Grimsetter	135	51	33	-	0	9	84	350	274	36	0	12·7	150	31	10 10	51	10 0005
Caithness Dounreay	112	41	33	9,10,13	14	15	161	391	141	32	5	16·2	330	39	9 15	53	9 1455
Ross & Cromarty Stornoway (Coastguard)	120	40	36	1,13,14,31	23	16	78	304	227	112	0	12·5	170	40	13 24	59	31 0530
Inverness Benbecula	69	51	35	* 1,9,10,12	23	20	120	409	179	13	0	15·9	150	39	13 20	57	13 1945
1 Aberdeen Dyce	225	40	40	-	0	1	2	298	224	220	0	8·1	170	22	14 17	36	14 0225
Angus Bell Rock Lighthouse	128	131	124	-	0	15	141	317	212	74	0	13·8	150	32	10 13	42	10 1225
Perth Rannoch	1006	56	57	∮													
Fife Leuchars	79	41	41	-	0	1	2	168	297	277	0	6·5	130	22	24 11	34	27 1445
Midlothian Edinburgh	485	39	23	-	0	4	9	208	364	163	0	8·2	170	27	14 06	42	14 0555
6a Argyll Tiree	89	60	47	≠ 9,10,13,14	33	23	218	360	80	53	0	17·7	150	39	13 20	56	13 1930
Bute Millport	50	34	34	-	0	8	43	370	237	94	0	11·7	070	31	20 24	40	20 2225
Renfrew Paisley	188	81	31	-	0	0	0	91	453	200	0	6·4	150	19	29 10	34	14 0140
Renfrew	71	41	39	-	0	0	0	377	215	152	0	9·1	200	21	31 13	35	28 1255
Ayr Prestwick Airport	35	33	33	-	0	2	2	347	333	62	0	9·7	160	23	14 02	37	14 0130
Dumfries Eskdalemuir	825	50	35	-	0	2	11	177	311	245	0	6·7	200	25	14 18	38	14 1455
ENGLAND and WALES																	
6b Isle of Man Point of Ayre	70	40	35	-	0	7	25	380	290	49	0	11·6	130	27	4 24	40	5 0015
2 Durham Durham	399	53	33	-	0	0	0	122	336	276	10	5·8	220	19	31 21	36	15 0055
South Shields	73	57	44	-	0	2	5	262	391	86	0	9·0	005	24	7 13	32	7 2032
Yorks.,E.R. Spurn Head	64	44	34	∮													
Lincoln Cranwell	288	47	47	-	0	2	5	236	379	124	0	8·6	160	25	29 13	47	5 1510
3 Norfolk Gorleston	52	42	34	≠													
Suffolk Mildenhall	98	83	60	-	0	0	0	249	424	71	0	8·8	210	20	5 16	48	5 1545
Felixstowe	85	75	65	-	0	5	22	386	217	119	0	10·7	130	25	29 21	46	29 2110
Bedford Dunstable	567	55	33	-	0	0	0	191	434	119	0	7·8	190	17	29 13	29	4 2150
Cardington	285	150	135	-	0	5	25	312	286	121	0	10·1	180	30	5 13	62	5 1215
Herts. Stevenage	564	111	65	-	0	4	9	356	326	53	0	10·4	170	23	5 02	46	5 0635
Essex Coryton	66	57	48	-	0	0	0	113	468	163	0	6·8	130	20	29 19	39	5 1250
Shoeburyness	115	104	89	-	0	6	48	326	276	94	0	10·9	170	28	5 02	42	5 0345
4 Yorks.,W.R. Sheffield	533	83	35														
Leicester Leicester	266	66	45	**													
Warwick Birmingham	643	118	73	-	0	0	0	233	479	32	0	8·9	190	18	5 14	35	11 1605
Stafford Keele	706	50	40	-	0	0	0	231	331	133	49	8·5	180	20	5 13	43	4 2240
Gloucester Avonmouth	92	61	33	-	0	5	19	252	224	177	72	8·7	180	31	4 21	51	4 2025
5 London Kingsway	231	160	40	-	0	0	0	89	479	176	0	6·3	220	16	5 13	33	5 1300
Middlesex Hampton	139	101	100	-	0	0	0	171	403	170	0	7·3	200	21	5 12	51	5 1340
Surrey Kew Observatory	92	75	50	-	0	0	0	224	411	109	0	8·2	200	20	5 14	49	5 1205
Kent Isle of Grain	48	40	33	-	0	2	6	203	302	233	0	7·3	060	24	17 15	41	5 1115
Dungeness	70	50	33	∮													
Dover	66	36	60	-	0	4	12	250	335	147	0	8·7	170	23	5 04	44	4 0520
Sussex Thorney Island	75	65	42	-	0	0	0	186	344	214	0	7·1	180	20	5 01	39	5 1140
Hants. Southampton (Eastleigh)	95	60	41	-	0	3	10	258	339	114	23	8·8	190	25	6 13	45	5 1102
S. Farnborough	318	69	35	-	0	0	0	41	385	318	0	4·6	220	18	5 12	46	5 1115
Berks. Abingdon	295	40	40	-	0	0	0	244	331	169	0	8·1	170	21	6 16	41	5 1605
Wiltshire Larkhill	491	51	36	-	0	2	4	239	372	129	0	8·4	160	24	4 23	46	5 1035
Porton	406	44	44	-	0	6	21	299	309	115	0	9·8	190	26	6 14	46	5 0420
7a Cumberland Sellafield	83	39	35	-	0	1	1	217	360	166	0	7·9	-	22	5 01	36	7 1115
Westmorland Moor House	1960	50	45	∮													
Lancashire Southport	63	45	36	-	0	1	2	231	414	97	0	8·5	030	25	7 16	40	7 1430
Speke	180	100	65	-	0	9	27	412	258	47	0	11·7	150	29	4 24	51	27 1745
Cheshire Bidston Observatory	262	64	39	-	0	0	0	101	484	141	18	-	130	17	4 23	43	5 1310
Manchester Airport	318	70	30	-	0	2	3	345	327	69	0	10·4	150	25	4 24	40	5 1405
7b Anglesey Holyhead (Valley)	76	50	40	-	0	11	78	317	256	93	0	11·6	170	30	29 07	44	29 0540
8a Cardigan Aberporth	483	41	41	-	0	10	42	410	231	61	0	12·2	160	28	4 20	48	4 1850
Pembroke Kete	249	49	37														
Milford Haven	246	50	35	-	0	3	5	290	314	115	20	9·1	160	22	4 19	50	4 1920
Glamorgan Port Talbot	91	40	35	-	0	3	14	312	388	30	0	10·5	180	26	4 20	42	4 1938
8b Devon Plymouth	191	88	65	4, 6	6	9	63	305	287	83	0	11·5	-	44	4 19	60	4 1845
Cornwall St. Mary's, Scilly	230	65	57	4	1	13	126	396	192	29	0	14·5	180	34	4 16	53	4 1555
The Lizard	315	75	60	4,5,6, 30	15	17	154	352	184	39	0	15·5	180	39	4 18	62	4 1715
NORTHERN IRELAND																	
Londonderry Ballykelly	52	50	35	-	0	6	20	338	289	97	0	10·4	170	28	13 20	47	13 1925
Antrim Aldergrove	281	65	55	-	0	4	13	369	277	85	0	10·5	160	26	13 22	43	13 2150
Nutts Corner	344	31	31	-	-	-	-	-	-	-	-	-	170	25	13 22	42	13 2110
CHANNEL ISLES																	
Jersey Airport	359	86	50	-	0	10	73	408	253	10	0	13·0	160	30	4 21	48	4 2100

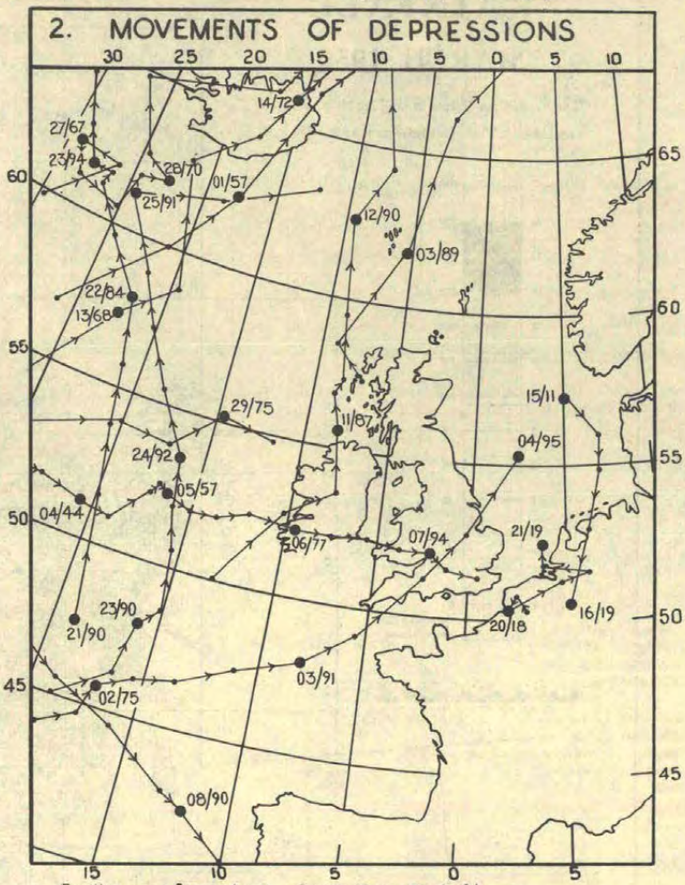
* also on 13, 14 ** Record ceased temporarily ≠ also on 29 ≠ Anemograph dismantled for re-erection ∮ Defective record

MONTHLY WEATHER CHARTS MARCH 1959

1. MEAN PRESSURE 9A.M.

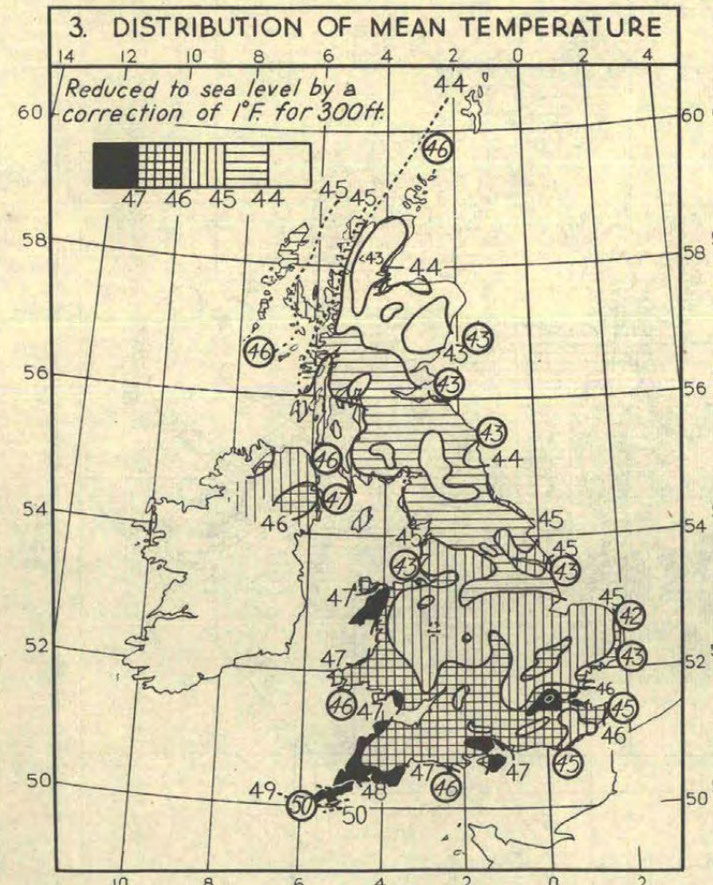


2. MOVEMENTS OF DEPRESSIONS



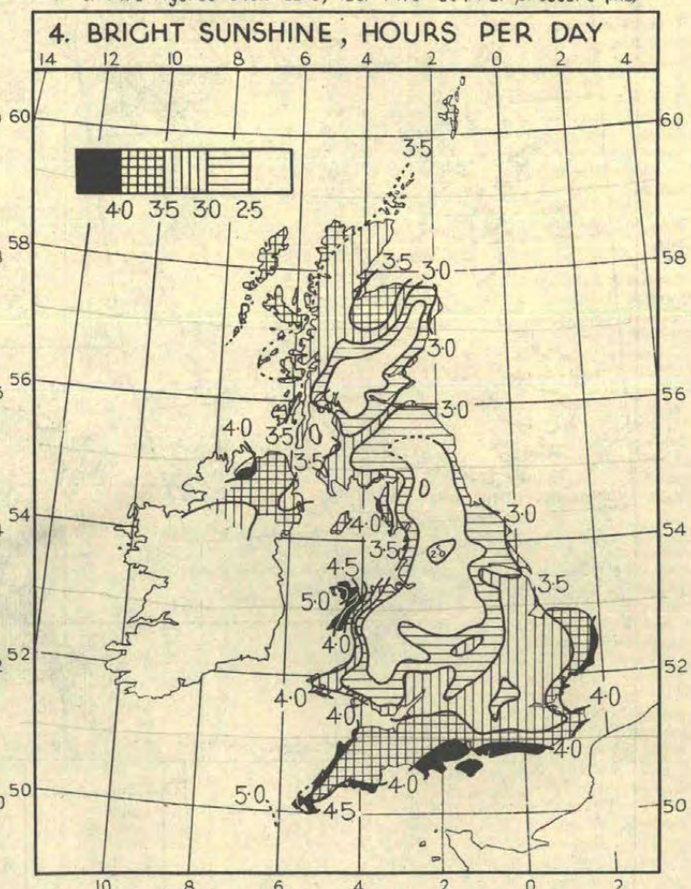
Positions of centres shown thus:- ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY



A.M. Form 1483

RAINFALL

MARCH 1959

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

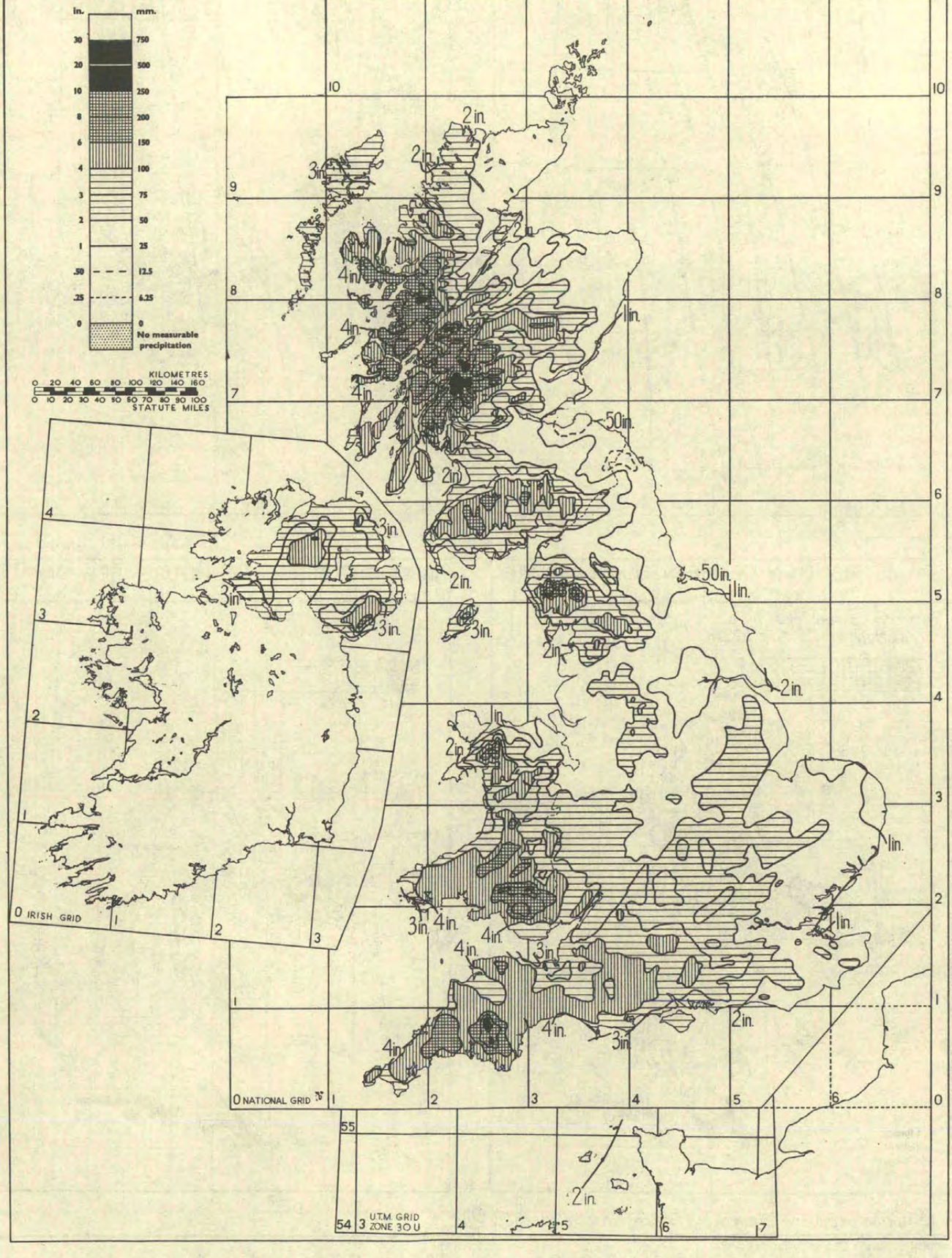


TABLE III—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	45·4	38·7	42·1	+3·1	52	23	29	8	–	–	1·61	52	·36	14	13	9	2	0	1	0	2	2	6	5	3·16	108
	Baltasound ...	9 9 9	78	47·3	38·6	42·9	–	51	23,26,29	30	19	41·3	–	1·64	45	·34	14	14	9	1	0	1	0	1	3	–	6	3·60	–
Orkney	Sule Skerry ...	9 9 9	43	46·6	41·9	44·3	–	51	23,25	32	7,8	–	–	1·63	–	·54	14	14	8	0	0	1	0	0	2	0	1	–	–
	Grimsetter ...	21–9 9	84	47·2	38·4	42·8	–	57	23	33	8,17	–	–	1·49	56	·33	31	16	12	1	0	1	0	1	0	5	0	3·30	–
Caithness	Wick ... ¶§	21–9 9	119	47·3	38·3	42·8	+2·2	55	23	29	18	–	–	1·67	92	·58	31	14	11	1	0	1	0	0	3	5	0	3·42	96
Sutherland	Cape Wrath ...	21–9 9	367	48·1	40·9	44·5	–	58	24	32	8	–	–	2·26	78	1·11	14	15	12	0	0	0	0	0	1	3	0	–	–
	Lairg (Achany) ...	9 9 9	240	51·0	32·9	41·9	–	58	17,22	24	17	39·0	39·6	1·42	–	·43	31	13	10	0	0	0	0	0	13	–	0	–	–
	Crask	9 9 9	740																										
	Strathy	9 9 9	120	49·7	35·4	42·5	–	58	23	28	8,17,18	–	–	1·40	–	·67	31	18	8	0	0	1	0	0	5	–	0	3·55	–
Ross & Cromarty	Stornoway ¶§	21–9 9	11	49·2	39·2	44·2	+2·2	53	23,24,26	27	4	–	–	2·01	88	·28	3	19	13	1	0	1	0	0	3	5	4	3·79	113
	Achnashellach ...	9 9 9	220	51·0	37·2	44·1	+3·0	58	24	29	20	–	–	5·47	98	1·51	31	19	15	–	0	–	–	0	5	–	–	–	–
	Kinlochewe ...	9 9 9	76	52·1	37·3	44·7	–	61	17	26	9	–	–	3·81	–	·97	31	16	11	2	0	2	0	0	4	21	0	3·05	– S
	Garve (Inchbae)	9 9 9	526	50·0	32·2	41·1	–	59	17	21	2	–	–	2·79	–	·80	31	18	10	0	0	0	0	0	15	18	0	–	–
	Fortrose ... ¶§	9 9 9	69	48·3	39·7	44·0	+2·7	53	21,24	34	22	–	–	1·57	105	·50	31	13	8	0	0	0	0	0	0	–	0	3·47	97
	Tarbatness ...	21–9 9	60	47·5	38·1	42·8	–	54	25	30	17	–	–	1·68	–	·45	6	12	7	0	0	0	0	0	3	–	1	–	–
Inverness	Benbecula ...	21–9 9	19	48·5	40·7	44·6	–	53	21	29	4	–	–	3·39	135	·82	2	19	16	0	0	0	0	0	1	4	7	3·95	–
	Isle of Rhum ...	9 9 9	15	50·5	39·4	44·9	–	56	21	31	4,20	43·5	44·1	8·67	–	1·67	5	21	17	0	0	1	0	0	3	13	3	–	–
	Duntulm ...	9 9 9	294	49·2	39·8	44 5	–	55	21	32	15	–	–	3·26	101	·60	31	15	13	0	0	1	1	0	1	4	2	4·14	–
	Onich ... §	9 9 9	48	50·6	38·2	44·4	–	57	21	31	20	–	–	5·63	103	1·32	31	18	17	0	0	1	0	0	3	9	0	2·83	95 S
	Fort William ¶	9 9 9	34	51·6	37·3	44·5	+2·4	60	21	28	20	42·4	42·9	6·23	122	1·19	31	19	15	0	0	0	0	0	4	9	0	3·10	–
	Fort Augustus ...	9 9 9	70	50·2	36·3	43·3	+2·1	56	30	26	20	–	–	2·36	–	·87	31	15	10	0	0	0	0	0	7	–	0	3·09	–
	Cannich	9 9 9	350	50·9	28·6	39·7	–	61	17	19	21	–	–	1·90	–	·24	4	17	15	0	0	0	0	0	21	25	0	–	–
	Dalwhinnie ...	18–9 9	1176	46·1	33·4	39·7	–	53	16	25	13,16	–	–	3·82	121	·64	11	17	17	0	0	0	0	0	13	20	0	3·15	– S
	Inverness ...	9 9 9	13	50·6	37·0	43·8	–	56	23,24	30	21	–	–	1·14	–	·30	31	10	8	0	0	0	0	0	2	14	0	3·83	–
	Kincraig	9 9 9	780	49·3	30·6	39·9	–	57	21,24	16	21	–	–	1·27	–	·31	31	16	10	–	0	–	–	0	17	22	–	–	–
	Glenmore Lodge	9 9 9	1000	48·0	31·7	39·9	–	55	24	19	20	–	–	1·21	–	·28	31	9	7	1	0	0	0	0	17	21	0	4·27	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	50·7	35·5	43·1	+1·5	57	31	27	9,20	–	–	1·21	88	·41	31	8	8	0	0	0	0	0	9	18	0	3·79	105
Moray	Grantown-on-Spey	9 9 9	720	49·6	30·5	40·1	–	58	17	19	20,21	–	–	·84	–	·28	6	13	5	–	0	–	–	–	21	21	–	–	–
	Forres	9 9 9	155	51·5	36·6	44·1	–	58	23,31	30	9	41·5	41·2	1·07	80	·31	14	9	6	0	0	0	0	0	5	13	0	3·61	–
	Kinloss ...	21–9 9	15	51·0	36·6	43·8	–	57	23,31	28	18	–	–	1·15	–	·32	31	9	6	1	0	1	0	0	6	16	0	3·81	–
	Findhorn ...	9 9 9	20	50·3	38·0	44·1	–	56	23,31	33	9,13,21	–	–	1·46	–	·38	31	10	7	1	–	0	0	–	0	8	0	–	–
	Elgin	9 9 9	92	51·3	37·6	44·5	–	58	23	31	17,20	–	–	·95	–	·26	31	10	6	0	0	0	0	0	5	8	0	3·58	–
	Gordon Castle ...	9 9 9	104	51·1	37·0	44·1	+2·5	60	23	30	20	–	–	·92	54	·23	31	10	6	–	0	–	–	–	4	–	0	3·35	94 S
Banff	Glenivet	9 9 9	1085	47·4	32·8	40·1	–	56	16	20	18	38·1	–	1·14	51	·30	11	14	8	0	0	0	0	1	14	16	0	3·56	–
	Banff	9 9 9	80	48·1	37·8	42·9	–	53	16,23	33	19,20	–	–	2·07	–	·55	31	15	13	0	0	0	1	0	0	0	0	2·82	–
Aberdeen	Braemar	9 9 9	1113	45·5	33·4	39·5	+2·2	53	17	23	13	–	–	1·93	87	·55	5	16	10	0	0	0	0	0	11	15	0	2·61	– S
	Balmoral... ...	9 9 9	927	46·6	33·0	39·8	+2·3	53	16,31	24	13	–	–	1·48	72	·30	11	17	10	0	0	0	0	0	15	16	0	–	–
	Logie Coldstone	9 9 9	608	47·9	33·6	40·7	+1·6	56	23,31	22	13	–	–	·83	–	·19	11	14	7	0	0	0	0	–	13	–	0	–	–
	Fyvie Castle ...	9 9 9	218	49·5	35·8	42·7	–	63	23	28	13	–	–	1·52	–	·33	14	14	12	0	0	2	0	–	12	17	–	2·49	–
	Craibstone ¶§	9 9 9	300	47·5	37·4	42·5	+2·3	59	23	32	13	40·5	40·1	1·52	75	·31	14	16	10	0	0	1	0	3	1	6	0	3·03	81
	Dyce	21–9 9	190	48·2	36·0	42·1	–	60	23	27	13	–	–	1·40	66	·28	14	14	10	0	0	0	0	2	8	15	0	3·08	–
	Aberdeen ...	9 9 9	170	48·4	37·7	43·1	–	60	23	29	13	–	–	1·19	59	·22	31	15	9	0	0	2	0	0	6	11	0	3·04	–
	Udny	9 9 9	363	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rattray Head ...	21–9 9	85	46·6	39·3	42·9	–	53	25	32	13	–	–	1·59	95	·36	14	19	10	0	0	1	0	1	1	–	1	3·15	–
Kincardine	Fettercairn ...	9 9 9	560	45·7	36·1	40·9	–	55	23	30	13	–	–	1·78	–	·33	2	19	12	1	0	0	0	6	4	12	0	2·53	– S
	Stonehaven ...	9 9 9	12	48·6	37·4	43·0	–	58	23	29	13	–	–	1·02	58	·29	11	14	10	0	0	0	0	6	7	–	0	2·87	–
	Muchalls ...	9 9 9	210	47·1	37·7	42·4	–	57	23	32	13	–	–	1·12	–	·28	11	14	9	0	0	0	0	3	1	11	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	48·4	38·1	43·3	–	55	26	30	13	41·6	41·4	1·14	–	·23	11	15	10	0	0	0	0	1	1	11	0	2·68	–
	Dundee ... ¶	9 9 9	147	49·2	38·7	43·9	+2·7	56	26	32	13	41·4	–	1·33	68	·34	2	17	10	1	0	0	0	–	1	11	0	–	–
	Glamis Castle ...	9 9 9	200	47·5	35·7	41·6	–	55	21	28	13	–	–	2·40	–	·45	2	20	13	0	0	0	0	1	6	8	0	–	–
	Buddon Ness ...	9 9 9	15	48·1	36·0	42·1	–	55	15,26	25	13	–	–	·92	53	·18	2	15	9	0	–	0	0	2	8	–	0	–	–
	Carnoustie ...	9 9 9	29	49·1	38·5	43·8	–	55	23,26,31	29	13	43·1	–	·91	50	·19	2	15	10	3	0	0	0	3	1	7	0	2·95	–
	Arbroath... ...	9 9 9	95	47·6	38·4	43·0	+1·7	55	26	34	4,13	–	–	·81	51	·13	2	15	9	0	0	0	0	4	0	3	0	3·03	78
	Montrose... ...	9 9 9	200	46·2	37·3	41·7	–	53	26,31	30	13	–	–	1·25	76	·27	11	16	11	0	0	0	0	1	2	–	0	–	–
Perth	Strathyre ...	9 9 9	425	49·3	34·8	42·1	–	55	31	27	16,17	41·2	40·4	6·85	–	1·35	29	20	9	0	0	0	0	0	7	5	0	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	48·7	36·9	42·8	–	56	16	31	13,16,17	–	–	4·06	–	·97	5	18	16	0	0	0	0	2	4	12	0	–	–
	Pitlochry ...	9 9 9	473	48·2	35·6	41·9	–	58	16	25	13	–	–	2·64	–	·49	29	15	12	0	0	0	0	0	6	9	0	2·55	–
	Pitlochry (Faskally)	9 9 9	310	48·3	35·7	42·0	–	55	16,27	26	13	39·6	38·6	2·39	–	·45	29	16	11	0	0	0	0	2	7	12	0	–	–
	Perth	9 9 9	77	49·7	37·9	43·8	+2·3	55	23,28,31	28	13	–	–	1·55	81	·30	29	20	11	0	0	0	0	0	2	5	0	2·41	72
	Blairgowrie ...	9 9 9	200	49·2	35·3	42·3	–	56	24	25	13	39·8	–	1·91	–	·24	2,11	16	14	0	0	0	0	1	8	6	0	–	–
	Glenshee Lodge	9 9 9	1100	45·3	32·8	39·1	–	51	16,20,26	21	13	–	–	4·43	–	1·06	11	19	16	2	0	0	0	3	14	11	0	–	–
Fife	Kirkcaldy ...	9 9 9	137	49·0	37·8	43·4	+1·7	57	23	30	13	–	–	1·00	56	·22	31	13	8	0	0	0	0	2	3	9	0	2·76	–
	Cupar	9 9 9	82	49·5	37·1	43·3	–	56	23,26	28	13	41·9	–	1·57	–	·50	29	18	10	0	0	0	0	1	3	6	0	–	–
	Lundin Links ...	9 9 9	40	48·1	39·2	43·7	–	55	27,28	30	13	–	–	·93	–	·16	2	11	9	0	0	0	0	1	1	–	0	3·04	–
	Leuchars... ...	21–9 9	33	48·7	38·8	43·7	+2·1	55	23,26,31	31	13,17	–	–	1·05	64	·22	2	13	10	0	0	0	0	1	2	6	0	3·01	79
	St. Andrews ...	9 9 9	13	–	–	–	–	–	–	–	–	–	–	1·39	79	·35	2	14	9	–	–	–	–	–	–	–	–	2·85	77
Midlothian	Balerno	9 9 9	700	49·1	35·7	42·4	–	58	11	31	16,20,31	–	–	1·09	–	·23	2	10	8	–	0	–	–	13	6	21	–	3·17	–
	Midcalder ...	9 9 9	400	49·2	36·8	43·0	–	55	23	29	20	–	–	1·01	–	·25	2	14	8	0	0	0	0	0	5	10	0	2·87	– S
	Turnhouse ...	21–9 9	114	50·1	37·7	43·9	–	59	23	27	13	–	–	·58	37	·17	2	14	6	1	0	0	0	2	5	8	0	2·86	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	49·6	38·3	43·9	–	58	23	31	13	–	–	·54	–	·10	2,22	11	6	0	0	0	0	1	4	9	0	–	–
	Davidson's Mains	9 9 9	200	49·3	38·3	43·8	–	57	23	31	13	–	–	·57	–	·12	26	14	5	0	0	0	0	0	1	12	0	2·68	–
	Penicuik ...	9 9 9	620	48·7	35·8	42·3	–	56	2	29	30	41·2	–	·79	–	·16	2	15	6	0	0	0	0	0	7	11	0	2·77	– S
	Bush House ...	9 9 9	605	47·9	36·6	42·3	–	55	23	30	17	40·5	39·9	·75	–	·15	2	13	6	0	0	0	0	0	5	11	0	2·87	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	48·9	39·0	43·9	+2·6	57	2	33	17	–	–	·39	24	·12	2	7	3	0	0	0	0	0	0	6	0	3·34	91
	Liberton ...	9 9 9	200	49·6	38·5	44·1	–	57	23	31	17	–	–	·27	–	·13	2	3	3	–	0	–	–	1	1	–	–	3·12	–
	Botanic Garden	9 9 9	74	49·8	36·9	43·3	–	61	23	28	13	42·1	–	·38	–	·11	2	10	3	0	0	0	0	2	6	13	0	2·59	–
E. Lothian	Haddington ...	9 9 9	162	49·5	37·9	43·7	–	57	23	28	13	–	–	·38	–	·19	22	8	2	0	0	1	0	0	4	7	0	3·13	–
	North Berwick ...	9 9 9	51	49·8	39·5	44·7	+2·9	56	25,31	32	13	–	–	·38	24	·11	13,22	10	3	0	0	0	0	0	1	–	0	2·52	72
	Dunbar	9 9 9	75	49·4	40·5	44·9	–	57	25,31	34	13	–	–	·46	–	·21	22	8	4	0	0	0	0	0	0	5	0	3·25	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01 in.(0·2 mm.) or more	Precip'n ·04 in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	47·9	36·8	42·3	+1·8	57	23	30	13	–	–	·75	35	·11	29	13	9	0	0	0	0	2	1	–	–	2·47	76 S
	St. Abb's Head ...	9 9 9	245	46·4	39·6	43·0	–	54	23,25	35	28	–	–	·52	–	·15	29	9	4	0	0	0	0	4	0	0	0	–	–
Peebles	Broughton ...	9 9 9	741	47·9	36·3	42·1	–	55	2	25	13	–	–	2·44	–	·50	11	18	13	1	0	0	0	0	5	11	0	–	–
	Blyth Bridge ...	9 9 9	830	47·4	36·3	41·9	–	54	2	28	13	–	–	1·13	–	·18	2,14	18	9	1	0	0	0	0	5	12	0	2·92	–
	West Linton ...	9 9 9	800	47·5	35·7	41·6	–	54	2	27	13	40·1	39·9	1·07	–	·16	14	15	10	2	0	0	0	0	6	8	0	–	–
	Peebles	9 9 9	600	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selkirk	Selkirk (Bowhill)	9 9 9	600	48·5	36·2	42·3	–	57	2	27	13	–	–	1·74	–	·50	2	15	9	0	0	1	0	3	4	–	0	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560	48·5	35·3	41·9	–	57	1	26	13,17,18	–	–	1·24	–	·24	29	13	10	–	0	–	–	0	6	–	–	–	–
	Sourhope ...	9 9 9	900	47·6	36·2	41·9	–	58	2,23	28	13	–	–	1·07	–	·33	29	13	7	0	0	0	0	1	3	14	0	3·24	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21-9 9	29	48·5	42·1	45·3	+2·2	53	26,30	34	4	–	–	3·44	132	·55	5	18	16	0	0	2	0	0	0	4	3	3·48	93
	Rhuvaal	21-9 9	47	48·5	41·7	45·1	–	54	31	35	4	–	–	5·18	–	·63	10	20	16	0	0	0	1	0	0	1	5	–	–
	Colonsay ...	9 9 9	87	49·6	39·3	44·5	–	57	30	29	4	–	–	4·03	129	·78	31	22	17	–	–	–	–	2	1	–	–	–	–
	Tobermory ...	9 9 9	150																										
	Loch Shiel (Polloch)	9 9 9	33	50·3	37·9	44·1	–	58	21	27	20	–	–	8·13	–	1·61	5	20	19	0	0	1	0	0	3	5	0	–	–
	Tarbert (Achaglachgaich)	9 9 9	100	50·9	–	–	–	58	30	–	–	–	–	4·32	–	·55	11	16	14	0	0	0	0	0	–	–	0	–	–
	Lephinmore ...	9 9 9	30	50·3	39·5	44·9	–	60	30	32	13,20	–	–	5·41	–	1·10	5	17	16	0	0	0	0	0	2	12	0	2·69	– S
	Glenbranter ...	9 9 9	120	48·8	37·2	43·0	+1·6	55	30	30	13,16,17	–	–	8·51	139	1·32	5	19	16	0	0	0	0	2	7	10	0	–	–
	Dunoon Waterworks	9 9 9	228	49·9	39·4	44·7	–	59	30,31	34	4,13,20	–	–	6·15	–	·90	13	21	19	–	–	–	–	0	0	4	0	–	–
	Dunoon (Benmore)	9 9 9	46	49·5	37·4	43·5	–	58	30	29	17	41·6	42·1	6·44	107	·95	5	20	18	0	0	0	0	3	5	8	0	–	–
Bute	Rothesay ¶§	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Millport	9 9 9	16	49·3	41·1	45·2	–	56	30	36	4	–	–	3·05	110	·44	14	19	15	0	0	0	0	0	0	4	–	–	–
Dunbarton	Helensburgh ...	9 9 9	293	48·6	38·2	43·4	+2·0	58	30	31	13	–	–	3·24	89	·53	14	18	15	1	0	0	0	1	1	–	0	2·64	86
Stirling	Stirling	9 9 9	151	49·2	39·4	44·3	+2·2	55	23,25,31	32	13	41·6	41·5	1·95	84	·33	24	18	11	0	0	0	0	2	1	2	0	–	–
	Falkirk	9 9 9	100	49·3	37·5	43·4	–	56	23	31	13,20	–	–	1·67	69	·28	24	18	13	0	0	0	0	1	3	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	49·6	39·8	44·7	+2·5	55	23,30	35	20	–	–	3·85	95	·55	5	20	17	0	0	1	0	2	0	1	0	2·47	– S
	Paisley	9 9 9	106	51·1	39·5	45·3	+2·6	58	30	34	13,17,20	43·6	44·2	2·00	71	·37	5	17	13	0	0	0	0	3	0	8	0	2·73	93
	Barrhead ...	9 9 9	97	49·8	38·1	43·9	–	56	23	29	20	–	–	2·14	–	·34	14	18	14	0	0	1	0	0	5	8	0	–	–
	Renfrew ... ¶§	21-9 9	26	50·4	39·0	44·7	+2·8	57	30	30	13,17	–	–	1·65	66	·31	5	16	12	0	0	0	0	3	4	7	0	2·40	80
Lanark	Thorntonhall ...	9 9 9	453	48·7	36·5	42·6	–	56	23	28	20	–	–	2·52	–	·57	14	17	13	0	0	0	0	–	5	13	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	49·0	38·6	43·8	–	55	30	33	9,13,16	–	–	1·60	65	·31	11	16	13	0	0	1	0	3	0	6	0	2·34	–
	Coatbridge ...	9 9 9	256	49·2	38·3	43·7	–	54	23,30,31	31	17	–	–	1·28	–	·28	14	17	10	0	0	0	0	1	2	–	0	–	–
	Coalburn ...	9 9 9	920	46·7	33·9	40·3	–	52	16	23	18,20	40·1	–	2·50	–	·40	11	18	14	0	0	0	0	0	12	16	2	3·04	–
	Leadhills ...	9 9 9	1270	45·9	35·0	40·5	–	53	2,23	26	13	–	–	5·41	–	·82	2	17	16	0	0	1	1	1	11	15	0	–	–
	Carnwath ...	9 9 9	706	47·9	35·8	41·9	–	55	16	27	13,16	–	–	1·57	–	·32	2	15	10	1	0	0	0	0	8	16	0	–	–
Ayr	Colmonell... ...	9 9 9	170	50·1	39·0	44·5	+2·2	55	21	29	8	–	–	3·79	144	·53	11	19	16	–	0	–	–	0	3	11	–	–	–
	Turnberry ...	9 9 9	25	51·1	38·8	44·9	+1·9	55	22,23	33	9	–	–	2·01	–	·49	14	17	16	–	0	–	–	0	0	–	–	3·46	–
	Largs (Woodbank)	9 9 9	25	51·2	40·7	45·9	–	58	30	33	4,13	–	–	2·94	99	·42	5.13	16	14	–	–	–	–	1	0	4	–	–	–
	Barr	9 9 9	400	50·2	36·3	43·3	–	60	21	25	13	–	–	5·11	–	·73	5	21	18	0	0	0	0	0	7	–	0	–	–
	Auchincruive ...	9 9 9	147	50·3	38·7	44·5	–	55	23,31	31	20	42·7	43·1	1·90	79	·52	14	17	12	0	0	1	0	0	2	16	0	3·51	–
	Prestwick ...	9 9 9	17	50·1	39·4	44·7	–	56	23	33	20	–	–	1·97	93	·40	14	18	13	0	0	0	0	0	0	4	0	3·46	–
	Prestwick Airport	21-9 9	30	50·9	39·2	45·1	–	57	16,23	32	13	–	–	1·79	80	·40	14	16	13	0	0	0	0	0	1	7	0	3·48	–
	Kilmarnock ...	9 9 9	115	51·1	39·4	45·3	+2·9	55	23,30,31	32	1	43·2	42·9	2·48	–	·72	14	18	15	0	0	0	0	0	1	9	0	–	–
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	47·4	36·5	41·9	–	53	23,30,31	26	13	–	–	4·13	–	·59	14	17	17	–	0	–	–	1	8	8	–	–	–
	Dumfries... ¶§	9 9 9	140	49·5	38·7	44·1	+2·4	56	23	28	13	43·1	43·0	3·08	112	·55	2	16	13	0	–	0	0	0	2	9	0	2·78	83
	Ruthwell... ...	9 9 9	95	51·0	38·4	44·7	+3·1	59	23	28	13	–	–	2·93	128	·49	13	19	11	0	–	0	0	–	4	–	0	3·05	92 S
	Eskdalemuir ¶§	21-9 9	794	47·8	36·2	42·0	+3·1	56	23	22	13	42·0	41·8	4·14	105	·97	14	19	15	3	0	2	0	1	4	5	0	2·40	77
Kirkcud-bright	Bargrennan ...	9 9 9	360	49·6	37·1	43·3	–	56	30	26	13	–	–	4·80	–	·67	14	20	16	0	0	1	0	0	3	6	0	–	–
	Palnure	9 9 9	50	50·6	38·5	44·5	–	57	21,30,31	26	13	–	–	3·95	–	·57	10	22	17	0	0	0	0	1	4	–	1	–	–
	Glenlee	9 9 9	181	50·9	37·0	43·9	–	57	30	25	13	–	–	5·00	–	·62	11	19	18	0	0	0	0	1	7	7	0	–	–
	Carsphairn (Dundeugh)	9 9 9	390	48·6	35·0	41·8	–	54	3,30	22	13	–	–	4·57	–	·68	14	17	17	0	0	0	0	2	11	–	0	–	–
	Glenlochar Barrage	9 9 9	154	49·1	38·4	43·7	–	56	30	29	13	–	–	3·15	–	·67	14	19	14	–	0	–	–	7	2	–	–	–	–
	Castle Douglas ...	9 9 9	196	48·9	37·4	43·1	–	54	2,23	27	13	43·0	–	3·38	–	·62	11	19	13	–	0	–	–	5	4	15	–	3·26	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	47·5	36·5	42·0	–	54	21	26	13	–	–	5·09	–	·83	11	20	16	0	0	1	0	6	6	15	0	3·30	–
	Mull of Galloway	21-9 9	257	48·0	41·4	44·7	–	55	30	36	8	–	–	1·64	–	·43	14	18	11	0	0	0	0	2	0	–	5	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21-9 9	55	49·1	41·7	45·4	–	54	30	31	13	–	–	2·31	107	·33	10	18	15	0	0	1	0	2	1	4	0	3·51	–
	Douglas	9 9 9	284	48·7	40·8	44·7	+2·1	56	28	35	13	–	–	3·03	104	·44	10	21	15	0	0	0	0	5	0	1	0	3·73	93
	Point of Ayre ...	21-9 9	30	50·4	40·9	45·7	–	57	25,31	31	13	–	–	2·15	112	·43	10	17	13	0	0	0	0	2	1	–	0	3·92	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	47·6	35·1	41·3	–	57	2	23	12	41·5	–	2·47	79	·50	14	16	13	0	0	0	0	3	4	14	0	–	–
	Bellingham ...	9 9 9	849	47·7	35·6	41·7	+2·6	56	2,23,25	28	13	–	–	1·61	74	·35	11	16	9	0	0	0	0	1	4	–	4	–	–
	Allendale Town...	9 9 9	795	47·6	36·5	42·1	–	57	23	28	13,16	–	–	·80	–	·15	11 27	14	8	0	0	0	0	1	3	7	0	–	–
	Haydon Bridge ...	9 9 9	270	50·1	35·7	42·9	–	60	23	27	13	42·1	42·2	·86	–	·29	22	11	5	0	0	0	0	2	6	7	0	2·30	–
	Berwick-on-Tweed	9 9 9	76	48·7	39·1	43·9	+2·3	58	23	33	13	–	–	·52	34	·10	29	10	6	0	0	0	0	1	0	2	0	2·82	75
	Cockle Park ¶§	9 9 9	326	48·6	35·9	42·3	+1·6	58	23	32	13, 23	41·5	42·1	·72	40	·15	29	12	7	0	0	0	0	2	2	8	0	2·47	71
	Acklington ...	21-9 9	138	48·6	37·0	42·8	–	59	23	32	1,13	–	–	61	–	·25	29	8	5	0	0	0	0	2	2	9	0	2·79	–
	Tynemouth ...	21-9 9	95	48·3	40·5	44·4	+1·9	56	23,26	36	13	–	–	·60	39	·18	29	7	5	0	0	0	1	4	0	2	0	2·37	–
Durham	Chopwellwood ...	9 9 9	446	49·5	37·5	43·5	+2·6	59	23	31	13	–	–	·73	40	·27	2	13	6	0	0	0	0	1	2	9	0	–	–
	Ushaw College ...	9 9 9	594	46·7	37·3	42·0	+1·0	57	23	33	4	–	–	·56	29	·23	3	10	5	1	0	0	0	5	0	–	0	–	–
	Houghall... ...	9 9 9	160	50·3	36·4	43·3	+1·8	59	23	28	13,16	–	–	·65	38	·15	3	13	7	0	0	0	0	6	5	15	0	2·49	77S
	Durham ... ¶§	9 9 9	336	49 7	37·6	43·7	+2·4	58	23	30	4	42·5	42·4	·57	35	·11	3	12	7	0	0	0	0	19	3	7	0	2·24	67
	Gateshead ...	9 9 9	509	48·0	38·2	43·1	–	59	23	35	13	–	–	·53	–	·25	3	8	4	–	0	–	–	7	0	2	–	2·45	–
	Middleton St. Gge.	21-9 9	115	49·5	38·5	44·0	–	57	2	30	13	–	–	·54	–	·22	6	9	5	0	0	0	0	3	1	2	0	2·43	–
	West Hartlepool	9 9 9	30	50·5	40·0	45·3	–	58	2,23,27	34	13	–	–	·51	–	·19	6	11	5	0	0	0	0	5	0	–	0	2·66	–
Yorks.,	Dishforth ...	21-9 9	106	50·1	38·2	44·1	–	58	23	31	23	–	–	1·46	97	·83	6	10	7	0	0	1	1	4	2	4	0	2·51	–
N. Riding	York ... ¶§	9 9 9	57	50·9	38·9	44·9	+2·1	58	2,23	34	13	43·5	43·1	·99	69	·28	6	13	6	0	0	1	0	5	0	–	0	2·41	75
	Ampleforth ...	9 9 9	313	49·7	37·9	43·8	–	57	2,23,25	31	23	–	–	1·30	71	·40	6	12	9	0	–	0	0	5	1	6	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding— cont. Redcar	9 9 9	25	51·0	–	–	–	60	2,23	–	–	–	–	·36	26	·11	6	9	3	0	0	0	0	2	–	–	0	2·69	–
Whitby	9 9 9	135	50·2	39·1	44·7	–	59	2	34	13	–	–	·91	56	·29	6	12	7	0	0	1	0	3	0	4	0	3·44	–
Scarborough ¶§	9 9 9	118	49·8	40·1	44·9	+1·5	58	2,23	37	6,13,19	–	–	1·47	97	·44	6	13	7	0	0	1	0	1	0	0	0	2·73	79
Silpho Moor ...	9 9 9	665	47·4	37·4	42·4	–	58	23	34	9,13,19	41·5	–	1·71	–	·64	6	15	8	–	0	–	–	–	0	1	–	–	–
Yorks., E. Riding High Mowthorpe	9 9 9	574	48·5	37·5	43·0	–	57	2,23	33	13	42·1	–	1·66	–	·53	6	14	11	0	0	0	1	4	0	10	0	2·71	–
Driffield	21–9 9	69	50·0	37·6	43·8	–	59	2	31	14,23	–	–	1·47	–	·50	29	11	9	0	0	1	0	2	5	15	0	2·78	–
Hull	9 9 9	8	51·1	39·7	45·4	+2·5	61	2	34	13	43·6	42·6	1·55	104	·31	29	12	8	0	0	0	1	0	0	3	0	2·56	82
Filey	9 9 9	122	–	38·6	–	–	–	–	33	2,13	–	–	1·53	–	·41	629	12	7	0	0	0	1	2	0	5	0	2·95	–
Bridlington ...	9 9 9	157	48·4	38·1	43·3	–	56	31	34	2,13,26	–	–	1·41	–	·42	29	13	7	0	0	1	1	3	0	3	0	3·00	–
Spurn Head ...	21–9 9	29	48·2	40·7	44·5	+2·3	56	28	37	18	–	–	1·90	–	·92	3	12	8	0	0	0	0	1	0	–	0	3·17	84
Lincoln Gunby	9 9 9	443	50·2	37·1	43·7	–	61	2	33	2,13,26	–	–	2·32	–	·76	3	15	11	–	0	–	–	5	0	–	–	–	–
Waddington ...	21–9 9	224	50·7	38·4	44·5	–	60	2	34	2,16,19	–	–	1·93	–	·55	3	14	10	0	0	2	2	2	0	0	0	3·10	–
Lincoln	9 9 9	22	51·6	38·1	44·9	–	61	2	26	13	43·0	42·5	1·91	–	·49	3	14	11	0	0	0	1	3	2	7	0	2·77	–
Cranwell ... ¶§	9 9 9	205	51·1	37·6	44·3	+2·2	61	2	33	2,14	44·1	45·8	1·77	122	·75	3	12	8	0	0	0	2	3	0	5	0	2·96	79
Horncastle ...	9 9 9	205	50·4	37·9	44·1	–	59	2	32	13	43·4	43·2	2·38	–	·78	3	16	11	–	0	–	–	0	1	6	0	–	–
Cleethorpes ...	9 9 9	23	50·9	39·5	45·2	–	62	23	36	14,26,29	–	–	1·89	–	·81	3	11	8	0	0	0	0	6	0	0	0	2·81	–
Manby	21–9 9	55	50·6	38·1	44·3	–	60	2	33	14,26	–	–	1·88	–	·57	3	14	11	0	0	1	0	1	0	10	0	3·20	–
Skegness	9 9 9	15	50·0	39·6	44·8	+2·8	56	28	35	26	–	–	1·68	128	·57	3	14	10	0	0	0	0	0	0	0	0	3·45	87
3 ENGLAND, E.																												
Norfolk Terrington St. Clement ...	9 9 9	13	51·8	38·7	45·3	–	62	2	35	1,23,30	43·8	–	1·73	147	·40	3	13	10	0	0	0	0	0	0	6	0	3·35	–
Marham	21–9 9	76	52·2	38·1	45·1	–	62	2	31	26	–	–	1·67	–	·48	7	14	10	0	0	0	2	1	1	3	0	–	–
Santon Downham	9 9 9	80	52·9	34·7	43·8	–	63	1,2	22	1	42·7	42·8	1·85	–	·35	7	13	12	–	0	–	–	–	13	15	0	3·25	–
West Raynham ...	21–9 9	250	50·6	38·4	44·5	–	60	1,2	33	14	–	–	1·22	–	·34	3	13	11	0	0	0	1	0	0	8	0	3·55	–
Cromer	9 9 9	178	51·5	38·5	45·0	+2·0	64	2	33	31	–	–	·78	54	·29	3	14	5	0	0	1	1	2	0	5	0	3·63	85
Sprowston ¶§	9 9 9	93	51·6	38·4	45·0	+2·7	61	1,2	33	2	–	–	1·15	75	·33	3	17	7	0	0	0	1	–	0	13	0	3·73	88
Burlingham ...	9 9 9	89	51·6	38·4	45·0	–	61	2	33	31	–	–	·92	64	·26	7	13	7	0	0	3	1	2	0	6	0	3·78	–
Gorleston ¶§	21–9 9	5	49·0	39·4	44·2	+1·9	56	26,28	34	31	44·2	44·5	·75	56	·18	24	12	7	0	0	1	0	3	0	3	0	3·86	92
Suffolk Mildenhall ...	21–9 9	15	52·6	39·5	46·1	–	63	2,23	33	16,19	–	–	1·42	114	·33	7	16	11	0	0	1	2	1	0	9	0	3·42	–
East Bergholt ...	9 9 9	14	52·6	37·1	44·9	–	61	2	30	1	–	–	1·39	–	·24	5	16	9	0	0	0	0	–	7	16	0	–	–
Felixstowe ...	21–9 9	10	48·7	41·1	44·9	+2·4	55	12,13,28	35	31	–	–	·86	68	·15	3	15	8	1	0	1	0	6	0	0	0	3·98	89
Lowestoft ...	9 9 9	82	49·7	38·8	44·3	+2·2	58	28	31	31	40·0	43·7	·87	66	·17	3	14	6	1	0	0	0	5	1	3	0	4·11	94
Cambridge Boxworth ...	9 9 9	157	52·4	38·5	45·5	–	62	2	33	13,19	–	–	2·37	182	·85	7	18	11	0	0	1	1	1	0	12	0	2·94	–
*Cambridge Bot. Gdn. ¶§	9 9 9	41	53·1	37·9	45·5	+2·6	62	1,2	31	13	44·2	44·3	2·46	189	·73	7	17	11	0	0	2	2	0	3	15	0	3·16	82
Huntingdon Wyton	21–9 9	129	52·3	38·8	45·5	–	62	2	32	19	–	–	2·13	–	·66	7	14	9	0	0	1	1	1	1	7	0	–	–
Bedford Woburn	9 9 9	291	51·2	37·7	44·5	+2·5	61	1,2	29	19	43·8	44·8	1·97	125	·48	3	16	9	0	0	0	1	1	3	5	0	3·30	84
Harrold	9 9 9	150	52·4	36·6	44·5	–	62	2	30	1,2	43·5	43·7	2·84	–	·95	7	16	9	1	0	2	2	2	5	20	1	–	–
Dunstable ...	21–9 9	516	51·3	38·8	45·1	–	61	1,2	32	19	43·6	43·8	2·20	–	·45	3	14	9	0	0	1	1	4	1	6	0	3·23	–
Goldington ...	9 9 9	107	52·6	38·6	45·6	–	63	1,2	33	13,19	–	–	2·22	–	·55	7	18	9	0	0	1	1	1	0	14	0	–	–
Luton	9 9 9	379	51·5	37·8	44·7	+2·6	61	1,2	31	16,19,20	43·6	–	1·85	117	·43	3	12	8	–	0	–	–	0	4	12	0	2·77	72
Silsoe	9 9 9	195	52·3	37·6	44·9	–	62	1,2	32	1,2,19	44·1	44·0	1·72	124	·32	3	13	8	0	0	0	2	1	4	15	1	3·36	–
Cardington ...	21–9 9	93	53·0	37·6	45·3	–	64	1	30	16,26	–	–	2·58	197	1·05	7	15	9	0	0	2	2	2	6	16	0	3·34	–
Hertford Bovingdon ...	21–9 9	516	50·9	37·1	44·0	–	61	2	31	12,26	–	–	2·41	–	·50	3	17	12	0	0	1	1	3	4	13	0	–	–
Garston	9 9 9	263	52·6	38·3	45·5	–	63	2	32	2,12	–	–	2·31	–	·47	5	13	10	0	0	2	1	1	2	12	0	2·45	–
Rothamsted ¶§	9 9 9	420	50·9	37·1	44·0	+2·2	61	1,2	32	23,26	43·2	42·9	2·45	146	·49	5	15	10	0	0	2	1	3	2	11	0	2·81	70
St. Albans ...	9 9 9	272	51·9	37·4	44·7	+2·5	61	2	31	26	43·4	–	2·20	141	·40	4	13	10	0	0	1	1	2	2	14	0	–	–
Bayfordbury ...	9 9 9	221	52·2	37·4	44·8	–	61	1,2	29	2	–	–	1·99	130	·42	3	13	10	0	0	1	1	1	2	12	0	3·13	–
Stanstead Abbotts	9 9 9	97	53·4	37·1	45·3	–	62	2	29	1	44·9	44·6	1·80	–	·37	3	12	12	–	0	–	–	3	7	11	0	–	–
Eastwick Lodge...	9 9 9	137	52·6	37·5	45·1	–	62	2	29	26	–	–	1·75	121	·28	29	17	11	–	0	–	–	3	4	–	0	–	–
Essex Stansted ...	9 9 9	330	51·7	37·9	44·8	–	61	1,2	33	16,19,26	–	–	2·15	–	·45	3	17	11	0	0	1	1	2	0	13	0	–	–
Saffron Walden	9 9 9	295	51·7	38·4	45·1	–	61	1,2	32	19	43·7	43·4	1·93	–	·35	7	15	11	1	0	1	1	7	1	8	0	–	–
Writtle	9 9 9	105	52·6	37·1	44·9	–	62	2	30	1,2	–	–	1·50	105	·24	24	14	12	0	0	1	2	1	7	23	0	3·11	–
Coryton	9 9 9	9	53·1	40·3	46·7	–	61	2	32	1	45·5	46·3	1·13	–	·17	24	17	8	0	0	2	1	4	1	3	0	–	–
Southend ...	9 9 9	90	53·5	40·2	46·9	–	62	1,2	33	21	–	–	·90	69	·20	24	14	10	0	0	0	0	3	0	1	0	3·89	92
Maldon	9 9 9	14	52·6	37·4	45·0	–	63	2	30	1,14	–	–	1·18	–	·23	14	19	8	0	–	0	0	4	4	–	0	3·69	–
Earls Colne ...	9 9 9	160																										
Shoeburyness ¶§	21–9 9	11	51·6	40·3	45·9	+3·0	59	2	33	1,11,21	–	–	·88	70	·26	24	14	7	0	0	0	0	3	0	10	0	3·98	94
Clacton	9 9 9	53	48·7	40·4	44·5	–	56	28	35	16,31	44·9	44·8	·86	66	·20	14	11	7	0	0	0	0	3	0	3	0	4·15	93
Walton-on-Naze	9 9 9	35	49·9	39·9	44·9	–	57	28	34	13,16	–	–	·78	–	·18	14	15	4	0	0	0	0	5	0	4	0	4·21	–
Dovercourt ...	9 9 9	11	51·0	38·5	44·7	–	57	22,28	33	31	–	–	·91	–	·15	3,14	16	7	–	–	–	–	3	0	13	0	3·88	–
4 MIDLAND COUNTIES																												
Yorks., W. Riding Slaidburn ...	9 9 9	629	48·3	36·6	42·5	–	57	23	28	13	–	–	3·22	–	·58	6	18	13	0	0	0	1	1	3	5	0	2·38	–
Malham Tarn ...	9 9 9	1297	44·8	35·3	40·1	–	53	23	29	13	40·4	–	3·51	–	·89	6	18	14	1	0	2	1	5	7	14	0	–	–
Bingley	9 9 9	610	48·3	37·4	42·9	–	57	23	31	13	–	–	1·46	68	·43	6	13	9	0	0	0	1	6	1	8	0	–	–
Huddersfield §	9 9 9	325	50·2	38·4	44·3	+2·7	59	2	30	13	42·4	42·6	·96	–	·29	6	12	7	–	0	–	–	7	2	6	0	2·11	82
,, (Oakes)	21–9 9	762	49·1	38·4	43·7	+2·9	60	23	34	9,13,30	42·0	42·1	1·38	55	·42	6	18	11	0	0	0	1	4	0	4	0	2·27	–
Bradford ¶	9 9 9	439	48·9	38·4	43·7	+2·5	57	23	31	13	41·1	41·2	1·51	71	·60	6	13	9	0	0	0	0	5	1	6	0	–	–
Ilkley	9 9 9	315	49·9	37·7	43·8	+2·5	58	23	29	13	–	–	1·46	62	·36	29	16	12	0	0	1	1	7	3	–	0	1·81	58
Sheffield	9 9 9	429	50·0	39·7	44·9	+2·4	59	2	36	13,19	42·5	42·5	1·51	76	·29	6	14	12	0	0	0	0	–	0	4	0	2·35	80
Wakefield ...	9 9 9	121	51·6	37·7	44·7	+2·1	59	2,23,25	32	13,23	42·8	43·3	·99	58	·27	6	10	7	0	0	0	0	6	2	18	0	–	–
Killinghall ...	9 9 9	365	48·9	37·1	43·0	–	57	23	31	13	42·0	–	1·57	–	·44	6	11	9	1	0	0	0	–	1	–	0	2·45	–
Pontefract ...	9 9 9	255	50·4	37·7	44·1	+2·2	58	2,25	35	2,10,13	–	–	·87	63	·20	6	13	7	0	0	0	0	4	0	2	0	2·46	–
Bramham ...	9 9 9	177	50·1	35·9	43·0	–	57	23	31	23,24	–	–	1·06	–	·42	6	11	7	0	0	0	0	3	4	11	0	2·41	–
Cawood	9 9 9	20	50·4	36·7	43·5	–	58	2,31	30	13,23	43·0	42·8	·63	44	·15	22	11	6	0	0	0	0	3	3	13	0	2·24	–
Askham Bryan ...	9 9 9	90	51·0	37·0	44·0	–	58	2	30	13,23	–	–	·79	52	·29	6	11	6	0	0	0	0	4	2	7	0	2·33	–
Derby Buxton	9 9 9	1007	46·4	36·6	41·5	+2·3	56	2	29	13	40·7	41·3	2·58	90	·57	6	19	13	0	0	4	0	4	2	2	0	–	–
Chapel en le Frith	9 9 9	728	49·2	36·6	42·9	–	58	1,2	30	16	–	–	2·18	–	·62	6	17	11	1	0	2	0	2	3	9	0	–	–
Wirksworth ...	9 9 9	565	49·5	38·0	43·7	–	60	2	33	12,26	–	–	2·12	–	·40	7	18	12	1	0	3	1	2	0	8	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4	MIDLAND COUNTIES—cont.																												
Derby—cont.	Derby	9 9 9	159	51·3	38·4	44·9	–	61	2	29	13	–	–	1·43	–	·25	6	17	9	0	0	1	0	4	3	1	0	2·17	–
	Morley	9 9 9	350	50·3	37·8	44·1	–	61	2	30	13	–	–	1·50	–	·22	3	16	10	0	0	0	0	–	1	1	0	2·44	– S
	Chesterfield ...	9 9 9	298	50·1	36·5	43·3	–	61	2	31	13	–	–	–	–	·30	3			0	0	0	0	3	1	–	0	–	–
Nottingham	Sutton Bonington	9 9 9	157	51·3	37·7	44·5	+2·3	62	2	30	23	43·4	43·8	1·30	92	·30	7	15	10	0	0	1	0	4	3	12	0	2·60	75
	Watnall ...	21–9 9	385	50·5	38·7	44·6	–	62	1, 2	32	23	–	–	1·30	76	·28	7	16	10	0	0	0	1	6	1	12	0	2·35	–
	Mansfield ...	9 9 9	357	50·1	38·6	44·3	+2·3	61	2	34	13	–	–	1·60	91	·21	3,7	17	12	0	0	1	0	4	0	6	0	–	–
	Nottingham ¶§	9 9 9	192	50·9	39·1	45·0	+2·1	61	1, 2	30	13	43·5	42·4	1·51	103	·34	3	14	10	0	0	1	0	5	1	4	0	2·21	71
	Warsop	9 9 9	150	51·0	36·2	43·6	–	61	2	28	13	–	–	1·11	75	·19	6	15	11	0	0	1	1	3	6	17	2	2·47	–
	Finningley ...	21–9 9	34	51·5	38·0	44·7	–	60	2, 23, 31	32	2	–	–	·67	–	·13	22	10	6	0	0	0	0	4	1	13	0	3·16	– S
	Langar	21–9 9	106	52·1	38·2	45·1	–	62	2	29	16	–	–	1·43	–	·46	3	14	10	1	0	1	0	1	4	12	0	–	–
Leicester	Leicester (Towers)	9 9 9	267	51·8	38·3	45·1	–	63	1, 2	29	13	43·6	43·6	–	–	–	–	–	–	0	0	0	0	3	3	5	0	3·43	–
	Caldecott ...	9 9 9	175	52·5	35·7	44·1	–	63	2	28	2	–	–	1·76	–	·68	3	14	9	0	0	0	0	4	9	12	0	2·63	–
Northampton	Wellingborough	9 9 9	298	51·9	37·8	44·9	–	62	2	31	19	–	–	2·72	–	1·04	3	15	9	0	0	1	1	3	2	13	0	–	–
	Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Raunds	9 9 9	193	52·2	36·9	44·5	–	62	2	31	1, 2, 13	43·4	43·2	2·47	172	·67	3	19	10	0	0	4	2	1	5	11	0	–	–
	Wittering ...	21–9 9	216	51·2	38·1	44·7	–	61	2	33	2, 12	–	–	2·12	–	·84	3	12	8	1	0	1	1	3	0	7	0	3·08	–
Warwick	Birmingham ¶§	21–9 9	536	50·2	39·8	45·0	+2·3	59	1, 2	35	16, 19	44·0	45·2	1·75	94	·25	6	19	14	0	0	0	0	4	0	3	0	2·62	82
	Luddington ...	9 9 9	138	52·3	38·3	45·3	–	60	1, 2	30	16	–	–	1·77	123	·36	3	14	12	0	0	1	1	1	4	11	1	3·08	–
	Stratford on Avon	9 9 9	160	52·5	37·6	45·1	–	60	1	27	16	44·4	–	1·72	–	·37	3	16	12	0	0	0	0	2	4	13	0	2·81	–
	Elmdon	21–9 9	319	50·6	38·4	44·5	–	59	2	31	16, 23	–	–	1·77	105	·24	7	14	13	0	0	0	0	4	3	10	0	2·96	–
	Shipston on Stour	9 9 9	365	51·3	38·5	44·9	–	61	1	32	19	43·5	–	2·54	–	·50	3	18	11	0	0	0	1	3	1	14	2	3·40	–
	Wellesbourne ...	9 9 9	153	51·8	38·0	44·9	–	61	1	30	16	43·9	43·9	1·96	124	·51	3	16	12	0	0	1	0	2	4	10	0	2·95	–
	Moreton Morrell	9 9 9	280		38·7		–	61	1	31	16	–	–	2·27	–	·46	3	19	12	0	0	0	0	1	2	10	0	3·21	–
	Coventry... ...	9 9 9	338	50·8	37·8	44·3	+1·7	60	2	31	13	43·6	43·4	1·88	115	·44	3	16	12	0	0	0	0	1	1	–	1	3·09	96
	Rugby	9 9 9	385	50·8	38·5	44·7	–	61	1	32	13	43·5	43·7	2·44	–	·61	3	17	13	1	0	2	0	–	1	7	2	2·82	–
Oxford	Oxford ... ¶§	9 9 9	208	52·5	39·4	45·9	+2·3	61	1	32	19	44·1	44·2	3·40	204	·96	3	21	14	0	0	4	1	3	1	7	0	3·29	83
Buckingham	Aylesbury ...	9 9 9	316				–	63	1	31	16, 19	–	–	2·10	–	·47	29	11	11	0	0	1	1	1	2	14	0	3·24	–
	Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford	Keele	9 9 9	587	49·0	37·8	43·4	–	57	2, 27	29	13	42·6	42·7	1·59	79	·34	6	15	12	0	0	0	1	5	1	6	0	2·32	–
	Oaken	9 9 9	409	50·9	37·8	44·3	–	59	2	32	13, 16	43·4	–	1·90	–	·50	6	15	12	–	–	–	–	–	2	5	–	–	–
	Wheaton Aston...	9 9 9	365	50·2	38·3	44·3	–	58	2	32	12, 13	43·2	–	1·79	–	·41	6	16	10	0	0	0	0	5	2	5	0	–	–
	Stone	9 9 9	350	50·0	37·7	43·9	–	59	2	31	13, 23	–	–	1·56	–	·34	6	16	12	0	0	0	1	9	2	10	0	2·33	–
	Penkridge ...	9 9 9	330	49·8	38·3	44·1	–	59	2	30	13	–	–	1·94	–	·48	6	16	10	0	0	0	0	2	2	1	0	–	–
	Onecote	9 9 9	1350	45·4	35·6	40·5	–	55	2	30	19	39·4	40·6	2·36	–	·43	6	15	14	0	0	0	0	5	5	6	0	2·09	–
Shropshire	Oswestry... ...	9 9 9	570	48·5	38·6	43·5	–	56	27	34	19	–	–	2·26	–	·32	6	21	16	0	0	0	0	3	0	6	0	2·55	–
	Shrewsbury ...	9 9 9	184	51·1	40·1	45·6	–	57	2, 27, 31	31	13	45·3	46·6	1·63	101	·22	14	17	14	0	0	2	1	2	1	4	0	2·76	–
	Shawbury ...	21–9 9	235	50·6	38·9	44·7	–	57	2, 27	28	13	–	–	1·79	109	·24	24	19	11	0	0	2	1	2	2	7	0	2·60	–
	Newport ...	9 9 9	211	50·5	38·3	44·4	–	58	2, 27	30	13	–	–	1·95	119	·32	6	17	13	0	0	3	2	2	2	9	0	2·27	– S
Worcester	Malvern	9 9 9	203	51·6	39·4	45·5	+1·9	59	1	34	19	44·3	44·1	2·76	145	·42	3	22	14	0	0	2	0	3	0	3	0	3·04	77 S
	Worcester (Redhill)	9 9 9	190	52·0	38·9	45·5	–	59	1, 2	31	13	–	–	2·07	136	·31	7	15	12	0	0	0	0	1	2	10	0	2·90	–
	Droitwich ...	9 9 9	106	51·3	38·3	44·8	–	60	1	29	13	–	–	2·09	–	·34	3	16	15	0	0	1	0	1	2	–	0	2·53	–
	Pershore (Institute of Horticulture)	9 9 9	130	51·6	40·0	45·8	–	59	1	32	19	–	–	2·26	–	·44	7	17	11	0	0	2	0	2	1	9	0	3·47	–
	Pershore	21–9 9	110	52·3	39·0	45·7	–	61	1	30	13	–	–	1·97	–	·40	7	17	11	0	0	2	0	3	3	8	0	3·15	–
	Halesowen ...	9 9 9	505	50·4	37·7	44·1	–	58	1, 2	31	13	43·5	43·7	2·45	–	·42	6	19	14	0	0	4	0	2	1	4	0	2·64	–
Hereford	Lyonshall ...	9 9 9	510	49·8	38·5	44·1	–	56	27	32	13	–	–	2·14	–	·47	6	19	14	–	–	–	–	–	1	11	–	–	–
	Ross-on-Wye ¶§	21–9 9	223	51·5	40·4	45·9	+2·3	59	1, 27	31	13, 16	44·6	44·9	2·89	149	·71	7	14	12	0	0	2	1	2	3	8	0	3·11	82
	Preston Wynne ...	9 9 9	274	50·7	38·5	44·6	–	58	1, 27	30	13	–	–	2·55	–	·78	6	18	13	0	0	1	0	0	3	13	1	3·12	–
Gloucester	Bristol (Filton) ...	21–9 9	192	51·6	40·0	45·8	–	59	1	31	19	–	–	2·39	122	·37	4	19	14	0	0	0	0	1	2	10	0	3·19	–
	Ruscombe ...	9 9 9	610	50·2	38·2	44·2	–	57	1, 2	31	19	–	–	2·53	120	·44	4	21	13	0	0	1	1	3	1	–	0	–	–
	Cirencester ...	9 9 9	443	50·1	37·7	43·9	–	58	1	31	26	–	–	2·95	133	·63	3	18	13	2	0	0	1	4	4	11	0	3·09	–
	Little Rissington	21–9 9	740	49·4	38·2	43·8	–	57	1	30	19	–	–	2·89	142	·55	3	18	11	0	0	2	1	8	1	8	0	3·01	–
5	ENGLAND, S.E.																												
London	Kensington ...	9 9 9	81	53·9	41·8	47·9	+3·2	63	2	36	19	45·4	45·2	1·65	106	·34	3	19	11	0	0	1	0	2	0	4	0	–	–
	Hampstead ...	9 9 9	450	51·9	39·6	45·7	+3·3	62	2	31	13	–	–	2·15	132	·64	7	22	10	1	–	1	1	–	1	10	0	3·23	89
	Westminster ...	9 9 9	27	53·8	41·9	47·9	+2·9	63	1, 2	37	12, 19, 26	–	–	1·72	115	·37	3	17	10	0	–	1	0	–	0	7	–	–	–
	Regent's Park ...	9 9 9	129	53·7	41·4	47·5	–	63	2	36	16, 19	–	–	1·59	–	·35	3	9	9	–	0	–	1	0	9	–	3·23	109
	Camden Square ...	9 9 9	121	53·1	41·4	47·3	+2·7	63	2	35	19	44·7	45·2	1·74	110	·35	3	18	10	0	0	0	0	–	0	8	–	–	–
	Kingsway ...	—	—																									3·16	–
	Bunhill Row ...	—	—																									3·30	112
	Greenwich (Maritime Museum)	9 9 9	24	54·4	39·4	46·9	–	66	1	34	21	–	–	1·50	103	·24	29	17	12	0	0	0	0	0	0	12	0	2·53	–
Middlesex	London Airport	21–9 9	82	53·5	40·0	46·7	–	62	2	33	16	–	–	1·73	115	·41	3	14	8	0	0	0	0	4	0	10	0	3·35	–
	Hampton ...	9 9 9	39	53·6	40·1	46·9	–	64	1	34	13, 16	–	–	1·75	–	·33	3,29	15	10	0	0	1	1	3	0	9	0	3·65	–
	Wealdstone ...	9 9 9	175	53·1	38·8	45·9	+2·2	64	1	29	26	44·7	45·8	2·10	130	·49	3	18	11	0	0	2	1	8	2	10	0	2·45	–
	Southgate ...	9 9 9	221	52·7	39·8	46·3	–	63	2	34	19	44·2	–	1·85	–	·35	3	12	9	0	0	0	1	2	0	3	0	2·90	–
Surrey	Farnham... ...	9 9 9	260																										
	Wisley	9 9 9	150	53·5	38·7	46·1	+2·5	62	1	32	2, 10, 16	45·2	44·8	2·76	169	·56	29	17	12	0	0	2	1	0	3	16	0	3·48	93
	Great Bookham	9 9 9	466	(52·1)	39·2	(45·7)	–	(62)	(1)	33	(1), 19	44·5	–	2·83	–	·66	29	14	11	0	0	–	–	2	0	8	0	2·75	–
	Mickleham ...	9 9 9	179	53·2	36·9	45·1	–	62	2	29	16	–	–	3·18	168	·63	3	17	12	–	0	–	–	2	9	14	0	–	–
	Kew Observatory ¶§	21–9 9	18	52·5	40·9	46·7	+2·8	61	2	36	12, 19	44·7	45·5	1·56	107	·27	3	14	9	1	0	1	1	3	0	17	0	3·51	97
	Gatwick	21–9 9	194	52·6	37·4	45·0	–	61	1	27	26	–	–	2·72	–	·48	29	17	13	0	0	2	1	4	7	12	0	3·18	–
	Croydon (Waddon)	9 9 9	220	52·8	38·8	45·8	+2·1	62	1	30	16	–	–	2·12	125	·50	3	15	9	–	–	–	–	3	–	–	–	–	–
	Addington ...	9 9 9	474	51·5	39·8	45·7	+3·2	61	2	33	16, 19	–	–	2·09	117	·48	3	19	12	–	–	–	–	3	0	–	–	–	–
Kent	Bromley	9 9 9	213	53·4	40·2	46·8	+3·1	63	1, 2	34	16	–	–	1·73	107	·36	3	16	10	0	0	0	0	7	0	–	0	–	–
	Swanley	9 9 9	177	52·9	39·1	46·0	–	62	2	32	16	44·9	–	1·41	–	·26	3	16	10	0	0	0	1	1	1	12	0	3·08	–
	Dartford... ...	9 9 9	17	54·1	38·6	46·3	–	63	1, 2	30	16	–	–	1·59	–	·30	2	14	11	0	0	0	1	1	0	3	–	–	–
	Tunbridge Wells	9 9 9	351	52·0	37·6	44·8	+2·4	60	2, 23	29	13, 16	44·1	43·9	2·22	112	·51	3	16	13	0	0	0	2	3	5	7	0	3·45	82
	West Malling ...	21–9 9	304	51·5	38·1	44·8	–	59	1, 2	32	14, 26	–	–	1·54	94	·26	3	18	11	2	0	0	1	6	2	13	1	3·23	–
	Goudhurst ...	9 9 9	290	51·8	37·7	44·7	–	59	2	29	16	–	–	2·27	108	·37	3	18	13	0	0	2	0	4	5	16	0	–	–
	East Malling ¶§	9 9 9	122	52·7	37·8	45·3	+2·7	60	2	31	14, 16, 26	–	43·8	1·61	98	·24	3	19	12	0	0	1	2	2	6	11	0	3·40	86

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm) or more	·04in.(1·0mm) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	54·3	39·7	47·0	–	64	2	32	1	–	–	1·70	–	·25	8	17	10	0	0	0	1	3	1	4	0	3·26	–
	Sittingbourne ...	9 9 9	224	51·8	39·2	45·5	–	59	1,2,23	31	16	44·2	44·3	1·61	–	·34	3	13	10	0	0	0	0	9	1	6	3	3·44	–
	Isle of Grain ...	9 9 9	9	53·0	41·7	47·3	–	61	2	36	16	–	–	·94	–	·18	24	12	8	0	0	0	0	1	0	4	0	3·70	–
	Throwley ...	9 9 9	493	50·7	39·0	44·9	–	57	1,2,23	29	21	44·0	43·9	2·22	–	·38	3	19	15	1	0	2	1	8	1	7	1	3·26	–
	Faversham ...	9 9 9	157	51·6	39·5	45·5	–	60	2	31	21,22	44·2	44·0	2·00	–	·38	3	16	13	1	0	2	1	3	4	5	0	3·56	–
	Dungeness ...	21–9 9	10	49·2	40·8	45·0	–	53	13,28	27	21	–	–	1·87	124	·35	3	13	9	0	0	0	1	4	3	–	0	–	–
	Wye	9 9 9	185	51·8	39·1	45·5	+2·8	58	1,23	29	21	–	–	1·82	95	·37	3	18	13	0	0	0	0	6	2	5	0	3·57	83
	Whitstable ...	9 9 9	9	52·8	40·9	46·9	–	63	1	31	16	–	–	1·01	75	·21	3	11	9	0	0	0	1	0	1	–	0	3·98	–
	Folkestone ...	9 9 9	128	50·5	41·5	46·0	–	57	12	35	21	–	46·4	1·79	115	·40	19	18	12	0	0	0	0	3	0	5	0	4·06	–
	Wingham (Elmstone)	9 9 9	28	53·0	37·7	45·3	–	62	1,2	30	14	–	–	1·14	–	·24	19	13	8	0	0	2	1	1	5	5	0	–	–
	Herne Bay ...	9 9 9	21	52·6	41·4	47·0	–	62	2	35	21	–	–	1·21	86	·18	3	13	10	0	0	2	0	0	0	–	0	3·96	–
	Dover	9 9 9	19	50·0	40·8	45·4	+2·1	57	2	32	21	46·1	45·5	1·68	93	·57	19	17	8	0	0	1	0	2	1	1	0	3·88	– S
	Ramsgate ...	9 9 9	80	50·3	41·8	46·1	–	56	26	37	21	–	–	1·23	94	·37	19	15	8	0	0	1	0	1	0	–	0	3·91	87
	Margate	9 9 9	51	51·3	41·8	46·5	+2·7	59	1	37	19	–	46·1	1·23	101	·26	19	14	8	0	0	0	1	0	0	0	0	4·00	87
Sussex	Thorney Island ...	21–9 9	10	52·9	40·6	46·7	–	59	27	31	19	–	–	2·20	–	·57	29	17	12	0	0	1	1	0	2	9	0	4·37	–
	Bognor Regis ...	9 9 9	24	50·0	40·9	45·5	+1·0	55	27	32	14	–	46·6	1·96	103	·44	29	19	11	0	0	2	0	2	1	2	0	4·35	95
	Fernhurst ...	9 9 9	188	52·3	38·1	45·2	–	60	1	29	26	44·6	–	2·93	–	·72	3	18	15	0	0	2	0	1	7	12	0	3·70	–
	Littlehampton ...	9 9 9	15	50·9	41·6	46·3	+2·9	59	1	33	19	–	46·0	2·02	112	·31	3	18	14	0	0	1	0	0	0	–	0	4·61	100
	Worthing ...	9 9 9	25	50·9	41·6	46·3	+2·5	54	14,28	34	19	45·6	46·1	1·49	87	·29	3	15	10	0	0	2	1	1	0	9	0	4·68	99
	Brighton ...	9 9 9	32	50·8	41·7	46·3	–	58	23	35	19	–	46·5	1·39	80	·22	29	16	12	0	0	0	0	1	0	6	0	4·48	–
	East Grinstead ...	9 9 9	440	52·3	37·5	44·9	–	60	1,2,23	29	1	–	43·9	2·12	–	·42	3	19	11	0	0	2	1	2	5	11	0	–	–
	Seaford	9 9 9	45	51·1	40·4	45·7	–	56	23	32	21	–	–	1·89	106	·32	7	17	13	–	–	–	–	2	1	–	–	4·71	–
	Eastbourne ...	9 9 9	35	50·8	41·3	46·1	+2·4	54	13,22,31	34	21	46·1	46·3	1·69	86	·30	7	20	12	0	0	0	0	2	0	2	–	4·14	88
	Eastbourne (C/guard)	21–9 9	17	51·2	41·1	46·1	–	55	13,22,31	33	14,21	–	–	1·60	–	·27	3	16	14	0	0	0	0	2	0	8	0	–	–
	Hankham ...	9 9 9	68	52·0	39·1	45·5	–	58	13	31	26	45·7	45·6	1·95	–	·37	3	19	14	1	0	0	2	2	2	16	0	4·34	–
	Bexhill	9 9 9	14	49·8	41·3	45·5	+2·2	57	26	34	16,21	46·4	–	1·49	84	·26	3	17	10	0	0	0	1	3	0	3	0	3·70	–
	Sedlescombe ...	9 9 9	175	51·5	38·6	45·1	–	58	1,2	30	1	–	–	1·77	–	·41	3	17	11	0	0	0	1	4	2	14	0	–	–
	Bodiam	9 9 9	73	52·8	37·3	45·1	–	60	1	26	12	44·5	44·3	1·90	–	·42	29	18	14	0	0	0	1	6	8	15	0	3·61	–
	Hastings ¶§	9 9 9	149	50·1	41·7	45·9	+2·3	55	23	32	21	46·1	46·4	1·70	94	·27	29	17	13	2	0	0	1	4	1	6	0	3·90	84
Berkshire	Abingdon ...	21–9 9	210	52·5	38·1	45·3	–	61	1	31	10,15	–	–	2·62	170	·75	3	17	12	0	0	2	2	2	5	10	0	3·34	–
	Woolhampton ...	9 9 9	370																										
	Shinfield	9 9 9	200	52·6	38·5	45·5	+2·5	61	1,2	32	26	–	–	2·43	–	·50	4	17	12	0	0	2	1	6	1	10	0	3·42	–
	Reading ... *	9 9 9	148	53·4	39·4	46·4	+2·4	62	1,2	33	26	44·7	44·2	2·50	148	·37	4	17	12	–	–	–	–	–	0	15	–	2·93	–
	Finchampstead ...	9 9 9	212	53·3	37·4	45·3	–	60	1,2	30	16	44·2	43·8	3·04	–	·62	4	17	13	0	0	2	2	2	3	12	0	3·24	– S
	Wokingham ...	9 9 9	200	52·7	37·9	45·3	–	61	1	29	16,26	44·4	44·6	2·97	–	·65	4	14	12	0	0	1	1	3	4	–	0	–	–
	Hurley	9 9 9	140	53·2	37·0	45·1	–	62	1,2	29	12,26	44·0	–	2·48	–	·55	4	14	13	0	0	1	1	2	4	10	0	2·96	–
Hampshire	Bournemouth ...	9 9 9	130	51·3	40·7	46·0	+1·7	59	27	31	19	45·2	45·3	3·76	183	·64	29	15	13	0	0	1	1	3	1	5	0	4·44	100
	Christchurch ...	9 9 9	9	52·3	39·9	46·1	–	59	27	28	26	–	–	2·81	–	·53	3	13	12	0	0	1	0	1	2	8	1	–	–
	Ringwood ...	9 9 9	250	53·4	39·6	46·5	–	61	31	30	19	45·4	45·7	3·96	–	·66	3	16	14	0	0	3	1	1	2	13	0	–	–
	Everton (Efford)	9 9 9	51	51·2	40·7	45·9	–	57	27	32	19	–	–	2·61	–	·47	29	17	13	0	0	3	1	0	1	7	1	4·58	–
	Southampton ¶§	9 9 9	65	54·5	40·6	47·5	+3·3	61	27	33	16,26	45·8	–	3·33	159	·73	4	17	14	0	0	2	0	0	0	11	0	3·91	94
	Leckford... ...	9 9 9	385	51·8	38·8	45·3	–	59	31	31	19	44·2	–	–	–	–	–	–	–	–	1	1	1	1	–	–	–	–	–
	Winchester ...	9 9 9	124	53·5	37·0	45·3	–	60	1,31	29	13,16,26	–	45·1	4·05	205	·72	3	21	16	0	0	1	2	0	10	5	0	3·31	– S
	Martyr Worthy ...	9 9 9	275	53·1	38·1	45·6	–	61	1	27	26	–	–	3·65	–	·69	4	19	14	0	0	1	1	0	4	12	0	3·68	–
	Southsea ...	9 9 9	7	51·9	42·5	47·2	+2·4	56	27,31	36	19	46·0	45·9	2·11	115	·51	29	14	11	0	0	2	0	0	0	4	0	4·29	94
	Hayling Island ...	9 9 9	13	50·5	41·3	45·9	–	55	27	32	19	–	–	1·98	–	·44	29	16	11	0	0	1	1	0	1	–	0	4·53	–
	Long Sutton ...	9 9 9	512		38·5					30	20	43·6	–	3·49	171	·62	4	21	17	0	0	1	1	2	4	12	0		S
	Alice Holt Lodge	9 9 9	378	52·2	38·0	45·1	–	61	2	32	2,10,12	–	–	2·98	147	·53	29	19	12	0	0	1	1	2	3	14	0	3·22	–
	S. Farnborough ...	21–9 9	226	52·8	38·8	45·8	+2·5	61	1,2	29	16	–	–	2·49	146	·49	29	17	10	0	0	2	0	2	4	8	0	2·94	73
	Blackbushe ...	21–9 9	325	52·5	39·5	46·0	–	62	1	32	16,19	–	–	2·90	–	·57	7	16	13	0	0	2	1	2	2	5	0	–	–
I. of Wight	St. Catherine's Pt.	9 9 9	51	51·8	43·2	47·5	+4·0	53	1,10,19	34	19	–	–	2·04	105	·47	2	17	10	0	0	0	1	1	0	–	0	–	–
	Ventnor Park ...	9 9 9	443	51·0	42·1	46·5	–	55	27	33	19	48·4	47·8	2·06	96	·48	29	17	12	0	0	0	0	1	0	0	0	4·73	–
	Shanklin	9 9 9	180	51·1	41·2	46·1	–	55	27,31	33	19	–	–	2·22	–	·51	29	16	13	0	0	0	1	1	0	–	0	4·53	–
	Sandown ...	9 9 9	13	52·3	42·2	47·3	+3·2	57	27,31	35	19	–	–	2·14	109	·47	29	17	12	0	0	1	0	0	0	–	0	4·45	95
	Ryde	9 9 9	15	52·1	42·3	47·2	+2·9	58	27	36	19	–	–	2·22	116	·55	29	18	13	0	0	1	0	0	0	–	0	3·54	83
Wiltshire	Lacock (Lackham)	9 9 9	160	52·8	37·1	44·9	–	59	1	27	19	–	–	3·17	–	·59	3	21	16	0	0	0	0	2	5	–	0	–	–
	West Lavington	9 9 9	305	52·9	37·4	45·1	–	59	1,10,31	29	16	–	–	3·18	168	·71	29	19	13	0	0	1	1	2	5	–	1	–	–
	Lyneham ...	21–9 9	457	50·8	38·7	44·7	–	59	1	30	16,19	–	–	3·17	174	·65	3	20	14	0	0	3	1	2	3	4	1	3·55	–
	Larkhill	9 9 9	431	51·5	37·5	44·5	+2·1	58	1,31	29	19	–	–	3·99	219	·69	29	21	15	0	0	3	1	2	5	10	0	–	–
	Boscombe Down	21–9 9	414	51·6	38·5	45·1	–	59	31	31	16,26	–	–	3·77	211	·71	29	18	14	0	0	2	1	2	3	8	0	3·71	–
	Upavon	21–9 9	578	50·9	37·9	44·4	–	58	1	31	19	–	–	3·80	–	·68	3	19	16	0	0	2	1	2	1	7	0	–	–
	Porton ... ¶§	9 9 9	362	51·9	37·4	44·7	+2·4	60	1	30	16,26	43·4	–	3·82	204	·67	3	18	14	0	0	2	1	2	5	11	1	3·88	91
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	50·3	39·8	45·1	–	56	23	32	16	–	–	2·37	89	·45	14,24	20	16	–	0	–	–	1	1	9	–	4·13	–
	Silloth	21–9 9	25	50·2	37·8	44·0	–	57	2	27	13	–	–	1·51	74	·37	11	14	7	0	0	0	0	0	5	8	0	3·54	–
	Keswick ... ¶§	9 9 9	254																										
	Newton Rigg ...	9 9 9	560	49·0	37·2	43·1	+2·4	55	3,23	28	13	–	–	2·02	92	·53	11	16	10	0	0	0	0	0	6	10	0	2.76	80
Westmorland	Ambleside ...	9 9 9	151	49·9	37·9	43·9	–	58	23	29	17,21	–	–	5·33	114	·90	14	18	17	0	0	1	2	2	6	–	0	2·45	–
	Moor House ...	9 9 9	1840	42·3	32·5	37·4	–	52	23	25	13	38·2	–	3·78	–	·84	14	20	18	0	0	1	1	6	15	16	0	1.84	–
Lancashire	Barrow-in-Furness	9 9 9	55	49·6	40·0	44·8	–	56	23	33	13	–	–	2·11	–	·42	25	17	10	0	0	0	0	2	0	–	0	–	–
	Squires Gate ...	21–9 9	33	51·4	38·2	44·8	–	57	1,6,23	26	13	–	–	1·71	91	·29	14	16	10	0	0	1	1	2	7	9	0	3·08	–
	Urswick	9 9 9	130	50·3	38·7	44·5	–	56	23	30	13	–	–	2·67	–	·43	14	18	15	0	0	0	0	3	3	–	0	–	–
	Poulton-le-Fylde	9 9 9	38	51·2	38·7	44·9	–	57	2	29	13	–	–	1·90	–	·35	14	16	13	0	0	0	1	3	3	–	0	–	–
	Speke	21–9 9	80	51·1	40·4	45·7	–	58	2	31	13	–	–	1·22	–	·22	24	15	11	0	0	0	1	2	1	5	1	2·44	–
	Kirkham ...	9 9 9	77	51·1	38·5	44·8	–	57	2	28	13	–	–	1·53	73	·30	14	17	10	0	0	0	1	2	3	8	0	2·97	–
	Garstang ...	9 9 9	68	51·5	39·2	45·3	–	58	1,2	29	4	–	–	1·97	–	·35	14	17	12	0	0	0	0	0	3	10	0	3·11	–
	Morecambe ...	9 9 9	24	50·9	40·0	45·5	+3·1	59	24	32	13	–	–	2·05	96	·42	14	16	12	0	0	0	0	1	1	–	0	3·33	87
	Preston (Moor Pk.)	9 9 9	108	51·2	39·3	45·3	–	59	2	29	13	–	–	1·79	82	·40	29	18	10	0	0	0	1	1	2	4	0	–	–
	Bolton	9 9 9	352	50·3	37·5	43·9	+1·8	59	2	29	13	41·7	42·1	2·02	73	·31	14	16	11	0	0	1	1	2	2	2	1	2·35	95

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a ENGLAND, N.W.—cont.																												
Lancashire— Darwen	9 9 9	724	49·4	37·2	43·3	+2·4	58	25	32	13	41·8	–	2·99	92	·74	29	20	15	0	0	0	0	0	1	9	0	–	–
cont. Stonyhurst ¶§	9 9 9	377	49·3	38·7	44·0	+2·5	58	2	31	13	–	–	1·67	64	·23	14	15	11	0	0	0	1	1	2	3	0	2·42	73
Helmshore ...	9 9 9	854	47·5	37·5	42·5	–	56	2	30	13	42·0	–	2·92	–	·45	14	18	13	0	0	1	1	1	1	9	0	2·21	–
Burnley	9 9 9	458	49·2	38·2	43·7	+2·8	60	2	29	13	42·6	42·5	1·90	75	·32	29	15	12	0	0	0	1	1	2	13	0	–	–
Nelson	9 9 9	540	48·6	37·7	43·1	–	59	2	29	13	42·2	42·3	1·55	64	·23	11	16	11	–	–	–	1	1	3	5	–	1·89	– S
Rochdale ...	9 9 9	362	49·9	37·8	43·9	–	59	2	29	16	–	–	2·09	–	·30	6	17	15	0	0	0	1	2	2	2	0	2·08	–
Cheshire West Kirby Park	9 9 9	17	50·8	40·3	45·5	–	57	23	31	4	–	–	1·26	–	·23	11	15	9	–	–	1	1	–	1	4	–	2·78	–
Bidston Obs'y. ¶§	9 9 9	198	50·1	40·6	45·3	+2·5	57	22	35	4	–	–	1·15	70	·19	29	16	9	0	0	0	1	4	0	0	0	2·76	75
Wallasey ...	9 9 9	57																										
Northwich(Winnington)	9 9 9	65	52·3	40·3	46·3	–	60	2	31	13	–	–	1·14	65	·19	6	14	10	0	0	2	0	3	1	1	0	–	–
Manchester Airport ¶§	21–9 9	248	51·7	39·7	45·7	+3·5	60	2	28	16	–	–	1·43	81	·32	6	14	10	0	0	2	1	3	1	5	0	2·91	97
Macclesfield ...	9 9 9	500	49·5	39·1	44·3	+2·6	59	2	30	16	–	–	1·79	87	·35	6	16	10	0	0	2	3	1	2	–	0	–	–
7b NORTH WALES																												
Flint Rhyl	9 9 9	31	51·6	40·7	46·1	+2·2	58	2,23	33	4,13	–	–	·72	43	·14	14	11	10	0	0	0	0	0	0	4	0	3·05	78
St. Asaph ...	9 9 9	75	51·7	40·0	45·9	–	58	2,23	32	4,13,21	–	–	1·35	–	·23	25	17	11	–	–	–	–	0	3	18	–	–	–
Prestatyn ...	9 9 9	12	52·0	40·9	46·5	–	58	2,23,31	34	4	–	–	1·08	61	·27	25	12	11	0	0	0	0	0	0	–	4	2·66	–
Hawarden Bridge	9 9 9	17	51·5	39·2	45·3	+2·1	59	27	30	4	–	–	1·31	77	·21	29	16	12	0	0	0	1	2	3	–	0	–	–
Anglesey Holyhead (Valley)	21–9 9	26	51·2	41·0	46·1	+1·8	58	23	33	13,16	–	–	1·52	73	·33	14	16	13	0	0	2	0	0	0	10	0	5·13	127
Denbigh Colwyn Bay ...	9 9 9	118																										
Alwen	9 9 9	1100	48·1	34·4	41·3	–	55	28	21	13	–	–	2·71	–	·33	25	21	18	–	–	–	–	–	8	7	–	–	–
Bwlchgwyn ...	9 9 9	1267																										
Ruabon	9 9 9	312	50·9	39·4	45·1	–	57	22,27,31	31	4	–	–	2·03	–	·29	6	19	14	0	0	1	1	2	2	3	0	2·39	–
Wrexham ...	9 9 9	275	51·1	39·3	45·2	–	58	22	32	13	43·6	43·7	1·49	–	·21	6	17	13	0	0	0	0	0	6	1	8	0	–	–
Caernarvon Bryn Adda ...	9 9 9	275	51·5	41·2	46·3	–	61	23	31	18	–	–	1·46	–	·47	14	17	11	0	0	0	0	0	1	11	2	4·89	–
Aber	9 9 9	60	53·1	41·7	47·4	+2·8	61	23	34	18	–	–	1·33	52	·35	14	21	8	0	0	1	0	0	0	6	2	4·39	143
Llandudno ¶§	9 9 9	13	51·5	42·0	46·7	+2·3	60	23	35	4,13,16	–	–	·77	41	·19	14	14	6	0	0	0	0	0	0	–	0	3·57	90
Merioneth Harlech	21–9 9	754	48·4	40·5	44·5	–	55	2,23	33	18	–	–	3·56	–	·84	14	21	19	0	0	0	0	1	0	4	0	–	–
Blaenau Ffestiniog	9 9 9	750		39·8		–	57	23	34	16,18,21	–	–	4·37	–	·86	14	21	18	0	0	1	1	2	0	–	0	2·36	–
Corwen	9 9 9	473	50·5	36·7	43·6	–	57	14	19	13	–	–	2·60	–	·40	4	18	17	0	0	0	0	–	5	8	–	–	–
Montgomery Lake Vyrnwy ...	9 9 9	995	46·7	37·1	41·9	–	53	27	30	4,13	–	–	3·77	95	·52	14	23	20	1	0	2	0	3	3	8	0	–	–
8a SOUTH WALES																												
Cardigan Aberporth ...	21–9 9	376	50·1	41·6	45·9	–	57	23	34	16	–	–	3·71	135	·60	11	20	15	0	0	0	1	1	0	5	0	3·65	–
Aberystwyth ...	9 9 9	12	50·9	42·2	46·5	–	58	23	33	16	–	–	2·60	–	·50	14	20	14	0	0	0	0	0	0	–	1	3·57	86
,, P.B.S.*	9 9 9	452		40·4		–			33	16,18	–	–	2·45	–	·56	14	22	11	0	0	0	0	0	0	6	0	3·37	84
Gogerddan ...	9 9 9	103	51·8	40·6	46·2	–	58	23	30	13,16	–	–	2·45	103	·56	14	20	11	0	0	0	0	0	3	8	0	3·51	–
Swyddffynnon ...	9 9 9	540	49·5	39·4	44·5	–	56	2,23	29	13,16	–	–	3·39	–	·62	6	21	16	0	0	1	0	0	2	5	0	–	–
Trawscoed ...	9 9 9	200	51·6	39·4	45·5	–	57	2,23,24	29	13,16	–	–	3·21	113	·48	6	21	14	0	0	1	0	0	3	5	0	2·53	–
Llety-evan-hen ...	9 9 9	950	47·8	39·2	43·5	–	53	2,23,24	33	18,19	–	–	3·73	–	·72	14	22	15	0	0	0	0	0	0	5	2	3·07	–
Pembroke Dale Fort ...	9 9 9	109	50·4	42·7	46·5	–	55	16,26	34	18	–	–	2·89	–	·52	23	18	16	0	0	1	2	1	0	6	1	4·19	–
Brawdy	9 9 9	360	49·4	40·2	44·8	–	55	23	29	19	–	–	3·16	–	·44	14	19	13	0	0	3	1	4	2	3	4	3·38	–
Milford Haven ...	9 9 9	179	50·5	41·3	45·9	–	55	23,24	33	18,19	–	–	3·28	–	·56	23	19	16	0	0	0	2	5	0	–	0	4·03	–
Haverfordwest ...	9 9 9	131	51·4	40·9	46·1	+2·5	57	22	30	13	–	–	4·17	138	·50	4	23	19	0	0	1	0	3	3	–	0	–	–
Radnor Llandrindod Wells ¶§	9 9 9	772	49·6	38·2	43·9	+2·5	55	30	28	16	–	–	3·45	133	·60	6	21	19	0	0	0	0	1	3	–	0	2·44	72
Brecknock Llwynon ...	9 9 9	860	49·1	38·2	43·7	–	55	10,23	29	13	–	–	6·58	–	1·85	6	23	20	0	0	1	0	3	3	–	0	–	–
Glamorgan Mumbles Head ...	21–9 9	117	48·7	42·0	45·3	–	56	30	35	13,19	–	–	–	–	–	–	–	–	0	0	1	0	0	0	0	0	–	–
Swansea	9 9 9	27	51·3	42·4	46·9	+2·0	58	22	34	13,19	47·5	48·3	4·28	172	·61	6	21	20	0	0	0	0	0	0	0	0	3·46	86
Port Talbot ...	9 9 9	24	52·2	42·0	47·1	–	58	23	31	13	–	–	4·43	–	·84	6	20	16	0	0	1	0	0	2	5	–	3·00	–
Neath	9 9 9	153	51·5	42·4	46·9	–	57	10,23	33	19	–	–	5·14	–	·81	6	21	17	0	0	2	1	0	0	4	0	–	–
Rhoose	21–9 9	220	50·4	40·6	45·5	–	57	30	31	19	–	–	2·81	137	·53	29	19	16	0	0	1	1	1	2	5	0	3·35	–
Cardiff ... ¶§	9 9 9	202	51·3	40·6	45·9	+2·1	58	23,24	32	19	45·4	45·4	3·28	129	·76	29	22	16	0	–	2	2	0	1	7	0	3·11	78
Monmouth Tredegar ...	9 9 9	1028	48·0	37·8	42·9	–	54	1,23	29	19	–	–	6·19	–	1·49	6	20	18	0	0	0	0	6	3	7	0	2·54	– S
Newport ...	9 9 9	75	51·6	40·5	46·1	–	57	22,27,30	32	19	–	–	3·45	136	·48	7	19	16	0	0	2	2	2	1	–	0	2·82	–
Usk	9 9 9	70	52·1	39·4	45·7	–	59	22	30	16,19,20	45·6	–	3·82	147	·62	29	20	16	0	0	0	0	4	7	0	0	2·87	–
Crumbland Plantation	9 9 9	804	49·2	38·5	43·9	–	57	26	30	19	43·1	43·5	4·47	–	·69	29	18	14	0	0	1	1	10	0	7	0	3·52	–
8b ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9 9 9	1030	47·5	38·0	42·7	–	54	22	30	19	–	–	4·77	–	·52	4	23	20	–	0	–	–	2	3	7	0	–	–
Bickenhall ...	9 9 9	231	52·1	39·0	45·5	–	61	22	27	19	45·7	46·1	4·17	–	·70	4	20	14	0	0	4	3	–	4	11	–	3·74	–
Cannington ...	9 9 9	95	52·1	40·1	46·1	–	58	22,31	30	19	–	–	3·18	168	·54	4	19	13	0	0	1	1	2	2	8	0	3·26	–
Weston-s.-Mare ...	9 9 9	28	51·9	40·9	46·4	–	58	23	32	19	–	–	3·21	162	·53	29	18	16	0	0	1	1	2	1	4	0	3·52	90
Long Ashton ...	9 9 9	162	52·3	39·7	46·0	+2·2	60	1	31	19	45·1	–	2·74	122	·41	4	21	15	0	0	1	1	2	2	14	0	3·57	90
Bath ... ¶§	9 9 9	67	52·6	39·7	46·1	+2·1	60	10	31	13,16,19	45·4	45·0	3·07	152	·52	4	21	18	0	0	2	1	2	4	5	0	3·52	88
Dorset Portland Bill ...	21–9 9	35	49·7	44·0	46·9	+2·8	53	15,20,31	34	19	–	–	2·83	159	·41	3	19	15	0	0	1	1	1	0	–	1	–	–
Weymouth ...	9 9 9	16	52·5	42·2	47·3	+2·5	58	27,28	34	19,26	–	–	3·55	176	·59	29	17	14	0	0	1	1	1	0	–	0	4·33	95
Shaftesbury ...	9 9 9	680	50·0	38·7	44·3	+2·0	57	10	31	19	–	–	4·12	193	·76	29	17	15	–	0	–	–	2	1	–	–	–	–
Swanage	9 9 9	37	50·9	41·3	46·1	–	55	27,31	33	19	–	46·0	3·00	–	·51	3	16	10	0	–	0	0	2	0	1	1	4·12	–
Poole	9 9 9	18	53·0	39·3	46·1	–	59	27	30	16,26	–	–	3·43	–	·55	2	18	16	0	0	0	1	1	5	–	0	4·34	–
Devon Hartland Pt. ...	21–9 9	298	49·1	42·9	46·0	–	55	23,24	35	19	–	–	3·53	–	·38	23	22	17	0	0	5	1	1	0	0	1	4·31	–
Plymouth (Mt. Batten)	21–9 9	87	51·2	42·5	46·9	+1·7	55	27	33	19,20	–	–	5·35	196	·78	3	19	17	0	0	3	1	1	0	5	3	4·41	101
Plymouth (The Hoe)	9 9 9	119	52·1	42·5	47·3	+1·7	58	27	33	19	47·0	47·4	4·98	182	·73	14	21	15	0	0	4	1	0	0	4	3	4·01	91
Tavistock ...	9 9 9	457	51·0	40·4	45·7	+1·5	57	27	30	19	–	46·9	6·24	–	·63	2	21	19	–	–	–	–	0	4	7	0	–	–
Chivenor ...	21–9 9	20	53·0	42·1	47·5	–	58	10,22	29	20	–	–	3·20	–	·61	23	19	16	0	0	1	1	0	1	4	0	3·87	–
Ilfracombe ...	9 9 9	25	51·9	43·8	47·9	+2·3	59	10	37	16,19,20	47·8	48·8	4·13	169	·60	23	21	19	0	0	1	1	0	0	4	0	4·11	96
Princetown ...	9 9 9	1359	46·3	38·3	42·3	–	52	22,23	29	19	–	–	9·70	165	1·17	4	23	23	0	0	0	0	7	3	5	0	–	–
**Totnes	9 9 9	120	53·1	40·1	46·6	–	60	22	27	20	46·1	46·7	6·07	174	·86	4	18	14	0	0	2	4	1	6	9	1	3·50	–
†Newton Abbot ...	9 9 9	272	52·7	40·8	46·7	+2·6	61	1,22	30	19	–	–	4·79	166	·70	4	20	18	0	0	4	1	1	1	2	0	3·30	77
Paignton... ...	9 9 9	8	52·5	41·7	47·1	–	60	22	34	13,19,26	–	–	4·62	159	·73	4	19	14	0	0	3	2	0	0	6	0	3·70	87
Torquay	9 9 9	26	52·0	42·5	47·3	+2·1	60	22	33	20	–	47·5	4·29	163	·76	4	18	14	0	0	3	1	2	0	4	2	3·96	89
Teignmouth ¶§	9 9 9	20	52·1	43·1	47·6	+2·3	61	22	34	19,20	–	–	4·44	177	·64	4	20	17	0	0	3	1	0	0	3	0	3·52	80

¶§. § *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MARCH, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER NUMBER OF DAYS: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b	ENGLAND, S.W.—cont.																												
Devon—cont.	Starcross... ...	9 9 9	29	51·8	41·0	46·4	–	62	22	31	19,20	–	–	4·42	–	·72	4	19	15	0	0	1	1	0	3	7	1	3·79	–
	Exmouth ...	9 9 9	195	50·5	41·2	45·9	+1·9	60	22	32	19,20	–	–	4·35	177	·69	4	20	14	0	0	3	1	3	2	–	0	3·65	90
	Exeter	21–9 9	106	52·0	40·3	46·1	–	61	22	28	20	–	–	4·35	186	·70	2	18	14	0	0	2	1	0	5	6	0	3·63	–
	Ufculme... ...	9 9 9	400	51·4	39·2	45·3	–	60	22	31	13,19,26	–	–	4·05	–	·72	4	21	17	–	0	–	–	0	3	–	–	3·88	–
	Sidmouth ...	9 9 9	25	51·4	40·9	46·1	+1·8	59	27	33	19,20	–	–	4·17	–	·85	2	18	17	–	0	–	–	0	0	1	–	3·60	–
Cornwall	St. Mary's, Scilly	21–9 9	158	52·5	45·3	48·9	+1·8	57	1	40	18,19	–	–	3·20	127	·36	5,21	17	15	0	0	1	0	1	0	–	0	4·98	114
	Penzance ...	9 9 9	62	53·5	43·4	48·5	+1·5	58	22,31	34	13	–	–	3·94	124	·59	3	20	17	0	0	2	2	0	0	–	3	4·45	104
	Gulval	9 9 9	50	53·2	43·3	48·3	+2·2	58	22,31	34	19	–	–	3·80	–	·65	3	19	18	0	0	2	2	0	0	–	0	4·17	96
	Camborne (Rosewarne)	9 9 9	250	51·4	42·7	47·1	–	57	22	31	19	–	–	4·70	–	·59	14	19	17	0	0	4	1	1	1	5	0	3·99	–
	Constantine ...	9 9 9	310																										
	Falmouth ¶§	9 9 9	167	52·0	42·9	47·5	+1·4	57	22	34	19	–	–	4·89	154	1·07	3	19	18	0	0	1	0	1	0	0	1	3·81	89
	Newquay ...	9 9 9	176	52·2	42·4	47·3	+1·9	57	22	31	19	–	–	4·03	174	·65	6	19	15	0	–	0	1	–	1	–	1	4·41	100
	St. Mawgan ...	21–9 9	337	51·2	41·6	46·4	–	56	22	29	19	–	–	4·53	–	·66	6	19	18	0	0	2	1	0	2	4	0	4·58	–
	St. Austell ...	9 9 9	310	52·5	44·6	48·5	–	60	22	37	18	–	–	6·20	177	1·12	3	21	17	0	0	1	1	2	0	–	0	–	–
	Fowey	9 9 9	51	52·5	42·8	47·7	+1·8	59	27	32	19	–	–	4·64	–	·83	3	20	19	0	0	3	2	2	1	–	2	–	–
	Bude	9 9 9	50	52·3	41·9	47·1	+2·2	58	23	29	19,20	–	–	3·41	159	·48	23	21	18	0	0	2	1	2	2	–	0	4·41	99
	Ellbridge ...	9 9 9	190	51·9	40·9	46·4	–	58	22,27	30	20	–	–	5·78	–	·87	3	22	19	0	0	1	1	0	3	7	1	3·83	–
	NORTHERN IRELAND																												
Londonderry	Ballykelly ¶§	21–9 9	3	52·3	40·5	46·4	+2·8	60	22	30	20	–	–	2·24	110	·41	11	21	13	0	0	1	0	0	4	7	0	4·15	115
	Garvagh ¶	9 9 9	121	51·2	37·9	44·5	+2·3	58	26,31	29	4,17	43·6	–	3·06	116	·61	10	22	15	0	0	2	0	0	6	12	1	–	–
Antrim	Aldergrove ¶§	21–9 9	217	50·4	39·5	44·9	+2·3	56	22,26	29	16	–	–	2·58	128	·48	11	19	15	0	0	1	0	0	4	7	0	3·73	108
	Nutts Corner ...	21–9 9	338	50·2	40·5	45·3	–	56	22,26,31	32	16	–	–	3·01	–	·52	10	19	16	0	0	2	0	0	1	3	0	–	–
	Parkmore Forest	9 9 9	779																										
Down	Hillsborough §	9 9 9	388	50·7	39·7	45·2	–	61	29	32	16	44·2	–	2·61	123	·43	10	20	13	0	0	1	0	1	1	5	0	3·31	99
	Kilkeel	21–9 9	59	49·4	40·8	45·1	–	56	26	31	13	–	–	2·39	–	·39	10	20	15	0	0	0	0	0	1	2	3	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	50·3	40·1	45·2	–	57	26	31	15	–	–	2·73	–	·51	10	19	16	0	0	1	0	–	1	–	–	–	–
Armagh	Armagh ... ¶§	9 9 9	205	52·5	39·7	46·1	+2·8	60	22	33	16,20	45·1	44·5	2·34	119	·31	10	17	16	0	0	0	0	0	0	9	1	3·85	113
	Loughgall ...	9 9 9	91	51·8	38·2	45·0	–	59	22	27	13	–	–	2·07	–	·39	10	18	14	0	0	2	0	–	6	11	0	3·65	–
Fermanagh	Ely Lodge ...	9 9 9	200	50·9	38·8	44·9	–	57	22,26	30	16,17	44·5	44·8	3·09	–	·34	10	19	17	0	0	1	0	0	3	11	0	–	–
	CHANNEL ISLES																												
Guernsey	States Airport ...	9 9 9	340	51·4	43·4	47·4	–	60	23	38	19,20	47·9	47·7	2·20	92	·61	29	17	13	0	0	1	0	4	0	0	0	5·63	–
Alderney	States Airport ...	9 9 9	288	50·5	42·5	46·5	–	57	23	37	19	47·5	–	2·18	–	·61	29	13	10	0	0	0	0	5	0	–	2	5·14	–
Jersey	Jersey Airport ...	9 9 9	273	52·5	42·8	47·7	–	62	23	38	19	–	–	1·97	90	·62	29	16	9	0	0	1	1	3	0	0	0	5·86	–
	St. Helier ...	9 9 9	28	53·6	44·6	49·1	–	63	23	39	19	–	–	1·71	85	·58	29	12	8	0	0	0	0	1	0	–	1	6·02	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1959

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													
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)						DIRECTION											
																													Beaufort Force																	
																													8 or more	6, 7	4, 5	1 to 3	Calm													
																													Speed in knots																	
																													34 or more	22 to 33	11 to 21	1 to 10	0													
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
0 SCOTLAND, N.			3	272	1011·3	–	40·7	1·1	7·8	90	6·0	0	6	4	8	12	1	0	1	0	1	0	0	7	7	10	5	2	6	15	6	2	2	0	0	5	13	6	2	1
			9	272	1011·6	+0·3	42·4	1·6	8·0	86	6·2	0	3	5	13	8	2	0	1	0	1	0	2	8	6	12	1	2	7	14	8	0	2	0	0	6	13	5	3	2
Zetland	Lerwick Observatory	H	15	272	1011·0	–	43·9	1·9	8·3	85	6·0	0	4	6	8	13	0	0	0	0	0	1	2	9	5	9	5	0	10	15	6	0	1	1	0	7	13	6	2	1
			21	272	1011·6	–	41·1	0·8	8·1	91	6·2	2	3	3	7	15	1	0	2	0	0	1	3	5	8	9	3	0	6	14	11	0	1	1	0	6	11	6	4	2
			3	94	1010·4	–	40·5	1·0	7·9	91	4·9	3	9	1	5	13	0	0	0	0	0	2	0	9	5	15	0	0	5	14	11	1	2	0	1	8	13	5	1	0
			9	94	1010·6	–	43·0	1·4	8·1	88	6·8	0	2	2	13	14	0	0	0	1	0	0	0	12	6	7	5	0	4	19	8	0	1	1	1	10	13	3	2	0
Orkney	Grimsetter..	H	15	94	1010·1	–	45·6	2·5	8·4	81	6·2	0	4	3	15	9	0	0	0	0	0	0	2	8	3	13	5	0	6	19	6	0	2	0	0	12	10	1	6	0
			21	94	1010·9	–	41·4	1·1	8·0	91	5·0	1	11	2	4	13	0	0	0	1	0	0	0	10	7	12	1	0	4	12	14	1	1	1	0	11	11	1	4	1
			3	121	1010·9	–	40·6	1·4	7·5	87	5·7	3	3	5	6	14	0	0	0	0	1	1	0	10	5	8	6	0	3	15	11	2	2	1	0	10	11	4	1	0
			9	121	1011·0	0·9	42·6	1·9	7·8	84	6·2	0	2	7	12	10	0	0	0	0	0	0	3	11	4	4	9	0	4	17	8	2	1	1	0	9	16	0	2	0
Caithness	Wick ..	H	15	121	1010·5	–	45·5	2·8	8·2	80	6·4	0	3	5	10	13	0	0	0	0	0	2	10	5	6	8	0	4	21	6	0	1	0	0	12	12	0	4	2
			21	121	1011·3	–	41·7	1·6	7·8	86	5·5	2	3	7	8	11	0	0	0	0	0	0	2	12	2	11	4	0	3	9	18	1	1	2	0	15	5	3	3	1
			3	371	1008·3	–	42·9	1·0	8·7	91	4·5	4	7	5	5	10	0	0	0	0	0	0	0	0	3	11	17	0	0	10	20	1	1	1	1	7	9	6	4	1
			9	371	1007·8	–	43·7	1·2	8·8	89	5·7	1	3	9	6	12	0	0	0	0	0	0	2	2	6	21	0	2	9	18	2	1	0	1	7	11	7	2	0
Sutherland	Cape Wrath ..		15	371	1008·1	–	45·8	1·5	9·3	88	5·9	1	2	6	12	9	1	0	0	1	0	0	0	2	1	5	22	0	0	14	16	1	1	0	4	7	6	8	4	0
			21	371	1008·8	–	43·4	1·0	8·8	92	4·5	6	5	7	1	12	0	0	0	0	0	0	4	2	4	21	0	0	7	24	0	0	0	2	9	8	7	3	2	0
			3	16	1007·9	–	41·9	1·5	7·9	86	4·3	5	8	4	5	9	0	0	0	0	0	0	4	12	15	2	0	6	10	11	4	1	1	3	6	13	1	2	0
			9	16	1008·0	3·7	44·6	2·0	8·4	83	5·6	1	4	5	12	9	0	0	0	0	0	0	4	12	9	6	0	4	19	8	0	1	1	4	7	13	1	4	0
Ross & Cromarty	Stornoway	H	15	16	1008·4	–	47·7	3·5	8·4	74	5·3	1	6	7	8	9	0	0	0	0	0	0	3	8	9	11	1	3	13	14	0	1	2	3	3	14	2	5	1	0
			21	16	1008·8	–	43·3	1·6	8·3	87	4·0	6	9	2	5	9	0	0	0	0	0	0	3	14	11	3	0	1	15	11	4	1	1	6	3	10	2	4	0	0
			3	21	1007·0	–	43·1	1·5	8·4	88	4·6	4	7	5	4	11	0	0	0	0	0	0	8	7	11	5	1	8	9	12	1	1	1	3	9	14	1	1	0	0
			9	21	1007·6	–	44·9	2·1	8·6	85	6·0	0	4	5	14	8	0	0	0	0	0	1	6	9	6	9	0	7	17	7	0	1	1	1	10	10	3	5	0	0
Inverness	Benbecula..	H	15	21	1007·8	–	47·4	3·2	8·6	77	5·4	2	4	7	11	7	0	0	0	0	0	0	4	11	8	8	0	6	20	5	0	1	1	2	9	8	7	2	1	0
			21	21	1008·0	–	43·7	1·7	8·4	87	4·5	4	6	7	8	6	0	0	0	0	0	0	7	7	11	6	2	2	16	11	0	1	1	7	6	11	4	1	0	0
1 SCOTLAND, E.																																												
			3	19	1010·3	–	40·9	1·9	7·2	82	4·4	7	5	4	4	11	0	0	0	0	0	0	2	4	8	7	10	0	0	7	24	0	3	0	4	6	8	7	1	2	0
			9	19	1010·3	–	43·8	2·7	7·6	78	5·9	1	3	6	12	9	0	0	0	0	0	0	6	8	8	9	0	0	10	21	0	1	1	4	10	9	3	3	0	0
Moray	Kinloss ..	H	15	19	1009·6	–	48·9	4·3	8·2	69	6·0	0	3	6	16	6	0	0	0	0	0	0	5	8	9	9	0	1	18	12	0	3	3	2	5	7	3	7	1	0
			21	19	1010·4	–	42·4	2·1	7·6	82	4·9	3	7	5	5	11	0	0	0	0	1	0	3	5	8	7	7	0	1	4	26	0	0	4	4	9	9	3	1	1	0
			3	193	1012·3	–	38·7	0·8	7·5	93	5·6	3	5	4	2	16	1	0	0	1	1	0	4	11	13	1	0	0	1	10	12	8	2	0	2	8	7	2	1	1	0
			9	193	1012·4	0·8	41·7	1·2	8·0	89	6·5	1	3	2	9	15	1	0	0	1	1	1	5	13	7	2	1	0	0	12	13	6	2	0	2	7	11	2	1	0	0
Aberdeen	Dyce ..	H	15	193	1011·8	–	46·4	2·6	8·5	80	6·3	0	2	8	8	13	0	0	0	0	1	1	6	7	10	4	2	0	0	22	8	1	0	1	3	7	11	5	2	1	0
			21	193	1012·5	–	41·3	1·0	8·0	90	6·2	1	4	3	7	15	1	0	0	1	1	5	2	12	8	2	0	0	0	11	15	5	1	0	1	7	11	2	3	1	0
			3	108	1011·4	–	40·1	1·1	7·6	89	5·9	0	1	12	8	8	2	0	2	0	1	1	0	4	16	7	0	0	4	12	14	1	2	0	2	7	14	0	5	0	0
			9	108	1011·5	–	41·7	1·3	7·9	88	6·1	0	1	9	15	5	1	0	1	0	1	1	0	10	11	7	0	0	6	13	11	1	1	0	3	5	17	2	2	0	0
	Rattray Head ..		15	108	1011·1	–	44·4	2·2	8·2	83	6·2	0	1	8	12	7	3	0	1	1	1	1	0	7	10	10	0	0	5	17	9	0	2	0	2	5	20	0	2	0	0
			21	108	1010·4	–	41·6	1·3	7·9	89	5·8	0	3	8	9	7	4	0	1	0	2	1	0	6	14	7	0	1	5	15	9	1	1	0	2	3	17	3	4	0	0
			3	36	1011·2	–	41·2	1·5	7·7	87	5·9	6	1	1	5	18	0	0	0	0	1	0	6	12	6	6	0	0	0	3	19	9	1	0	3	2	3	7	2	4	1	0
			9	36	1011·5	2·1	42·6	1·9	7·9	84	6·5	0	2	5	9	15	0	0	0	0	1	2	3	8	11	5	1	0	0	8	16	7	0	1	4	5	6	3	4	1	0
Fife	Leuchars ..	H	15	36	1010·9	–	47·6	3·8	8·2	73	6·6	0	1	5	12	13	0	0	0	0	0	1	4	5	9	9	3	0	2	12	15	2	0	1	6	6	6	5	4	1	0
			21	36	1011·6	–	43·0	1·7	8·1	84	6·2	0	6	1	8	16	0	0	0	0	0	3	3	11	7	5	2	0	0	5	22	4	0	2	4	8	4	4	5	1	0
			3	114	1011·1	–	40·9	1·4	7·6	87	5·8	2	4	3	7	15	0	0	0	0	1	0	3	12	10	5	0	0	1	5	18	7	1	4	3	6	3	4	2	1	0
			9	114	1011·4	–	43·0	1·9	7·9	83	6·0	0	3	5	15	8	0	0	0	1	1	1	2	10	12	4	0	0	0	12	13	6	0	0	3	4	7	4	2	5	0	0
Midlothian	Turnhouse	H	15	114	1011·0	–	47·9	3·6	8·5	75	6·7	0	0	5	16	10	0	0	0	0	0	1	5	8	10	5	2	0	0	3	13	15	0	0	8	4	5	4	5	5	0	0
			21	114	1011·6	–	43·2	1·8	8·1	85	5·6	1	6	4	7	13	0	0	0	0	0	3	7	11	7	3	0	0	0	6	20	5	0	2	5	8	3	6	2	0	0
6a SCOTLAND, W.																																												
			3	34	1007·7	–	43·5	1·7	8·3	85	4·7	7	6	0	4	14	0	0	0	0	0	0	0	14	9	2	6	0	0	9	14	7	1	1	0	5	9	9	4	1	1	0
			9	34	1008·3	4·1	45·2	2·1	8·6	83	5·8	2	4	3	10	12	0	0	0	0	0	0	0	10	9	6	6	0	10	16	4	1	1	1	2	10	10	3	3	0	0
Argyll	Tiree ..	H	15	34	1008·2	–	47·3	2·9	8·8	79	5·6	1	6	4	5	15	0	0	0	0	0	0	1	12	6	6	6	0	5	20	4	2	1	1	0	15	3	4	3	2	0	0
			21	34	1008·4	–	44·4	1·8	8·6	86	4·7	2	8	6	6	9	0	0	0	0	0	0	1	12	7	7	4	1	5	17	8	0	2	0	4	13	6	3	2	1	0
			3	122	1007·8	–	43·4	1·8	8·1	84	4·9	0	9	7	5	10	0	0	0	0	0	0	3	5	8	15	1	1	9	20	0	2	1	3	13	9	2	1	0	0
			9	122	1008·6	–	44·6	2·0	8·5	84	6·0	0	3	6	12	10	0	0	0	0	0	0	4	5	15	7	1	2	6	22	0	0	2	7	8	8	2	4	0	0
	Rhuvaal	H	15	122	1008·6	–	47·4	2·9	8·8	78	5·7	0	5	9	5	12	0	0	0	0	0	0	6	4	6	15	0	4	6	21	0	0	3	2	11	6	3	6	0	0
			21	122	1008·7	–	44·7	2·0	8·4	83	5·3	0	5	10	7	9	0	0	0	0	0	0	6	5	6	14	2	1	8	19	1	0	2	4	10	8	3	2	1	0
			3	29	1010·6	–	41·5	1·3	7·9	88	5·6	3	4	3	10	11	0	0	0	0	1	1	1	14	8	6	0	0	2	11	13	7	0	4	6	4	6	2	2	0	0
			9	29	1010·9	3·2	43·2	1·7	8·1	85	6·5	0	3	3	11	14	0	0	0	0	3	4	8	10	4	2	0	0	0	16	9	6	0	5	7	4	4	2	2	1	0
Renfrew	Renfrew ..	H	15	29	1010·5	–	48·9	3·8	8·6	73	6·3	0	1	9	8	13	0	0	0	0	3	3	18	2	4	1	0	0	0	21	10	0	0	5	6	3	7	7	1	2	0	0
			21	29	1011·0	–	44·4	1·9	8·4	84	5·7	2	2	9	4	14	0	0	0	0	2	3	15	9	2	0	0	0	0	12	14	5	1	4	4	5	5	3	4	0	0
			3	33	1010·2	–	42·1	1·8	7·8	85	5·6	2	4	5	7	13	0	0	0	0	0	0	1	8	15	7	0	0	0	11	19	1	0	7	6	7	8	1	1	0	0
			9	33	1010·5	–	44·3	2·2	8·1	82	6·0	1	5	1	15	9	0	0	0	0	0	0	1	8	12	10	0	0	0	15	16	0	1	5	7	8	5	4	1	0	0
Ayr	Prestwick Airport	H	15	33	1010·0	–	49·5	4·3	8·5	71	6·4	0	2	4	16	9	0	0	0	0	0	0	1	9	6	10	5	0	0	19	12	0	0	3	3	10	7	5	1	2	0	0
			21	33	1010·7	–	44·4	2·1	8·3	83	5·6	3	2	6	10	10	0	0	0	0	0	0	3	12	13	3	0	0	0	13	17	1	0	5	8	4	10	1	2	0	0
			9	778	1011·5	2·8	40·4	1·0	7·8	91	6·8	0	2	4	11	13	1	0	0	0	1	0	2	13	7	5	3	0	0	11	14	6	2	3	5	2	7	3	3	0	0
Dumfries	Eskdalemuir	H	15	778	1010·6	–	45·5	2·6	8·2	79	6·5	0	2	4	13	12	0	0	0	0	1	0	1	11	2	9	7	0	1	12	16	2	1	1	6	5	9	4	3	0	0
			21	778	1011·6	–	40·1	0·7	7·8	92	6·2	5	1	1	5	16	3	0	0	0	3	1	1	10	6	7	3	0	0	7	14	10	1	1	6	1	7	4	0	1	
			3	260	1009·5	–	43·0	0·8	8·8	93	6·1	0	6	2	7	16	0	0	0	1	1	0	0	0	5	24	0	4	5	13	9	0	0	0	6	6	13	2	2	2	
			9	260	1009·9	–	43·6	0·8	9·0	93	6·9	0	1	3	11	16	0	1	0	1	0	0	1	1	5	22	0	4	6	15	6	0	1	1	5	7	9	4	2	2	
Wigtown	Mull of Galloway	H	15	260	1010·0	–	45·9	1·9	9·0	86	6·2	0	2	7	7	15	0	0	0	0	4	1	1	0	4	21	0	1	7	17	6	0	0	0	5	10	9	2	2	3	
			21	260	1010·1	–	44·0	1·1	9·0	91	5·7	0	3	11	2	15	0	0	0	0	0	0	0	1	11	19	0	1	6	14	10	0	1	0	4	7	14	3	1	1	
6b ISLE OF MAN																																												
			3	31	1010·2	–	43·0	0·7	8·9	94	5·7	1	6	3	11	10	0	0	0	0	0	1	0	4	10	12	4	0	3	13	14	1	0	4	1	11	9	4	0	1	
			9	31	1011·2	–	44·9	1·0	9·4	92	6·5	0	3	3	15	9	1	0	1	0	1	0	2	2	8	16	1	0	2	18	11	0	0	2	4	12	8	3	2	0	
Isle of Man	Point of Ayre ..		15	31	1010·4	–	48·9	2·5	9·7	82	5·5	1	5	6	12	7	0	0	0	0	0	3	1	3	6	18	0	0	1	18	12	0	0	0	3	3	11	6	4	4	0	
			21	31	1010·5	–	44·7	1·1	9·2	91	4·9	2	5	8	11	5	0	0	0	0	0	1	0	3	9	17	1	0	3	12	15	1	0	1	5	8	8	7	0	1	
			3	68	1010·5	–	43·4	1·3	8·5	89	6·5	3	1	4	2	21	0	0	0	0	0	0	2	8	12	7	2	0	7	14	9	1	4	2	3	11	5	3	1	1	
			9	68	1010·9	–	45·0	1·4	9·0	87	6·7	0	3	2	12	13	1	0	0	0	2	0	4	4	11	4	6	0	3	24	4	0	0	1	8	9	7	2	3	1	
	Ronaldsway	H	15	68	1010·7	–	47·6	2·6	9·1	81	6·1	2	2	4	11	11	1	0	0	0	1	0	5	5	8	8	4	0	3	19	8	1	0	1	9	5	8	3	2		
			21	68	1011·0	–	45·3	1·6	9·1	88	5·4	3	4	6	6	12	0	0	0	0	0	0	2	2	12	7	1	0	5	15	9	2	0	1	8	6	7	6	0	1	
2 ENGLAND, N.E.																																												
			3	142	1012·2	–	39·9	1·2	7·5	90	5·5	5	4	2	4	16	0	0	0	0	4	1	6	8	6	5	1	0	0	7	18	6	2	3	0	8	6	1	5	0	
Northumberland	Acklington	H	9	142	1012·6	–	42·7	1·6	8·1	87	6·1	0	6	3	5	16	1	0	2	0	0	2	9	4	8	3	3	0	0	15	15	1	4	2	2	6	8	6	2	0	
			15	142	1011·9	–	47·0	3·2	8·5	78	6·5	0	2	6	9	14	0	0	0	1	0	2	4	9	6	5	4	0	0	20	11	0	2	4	3	9	6	3	3	1	
			21	142	1012·5	–	41·9	1·4	8·0	88	6·1	0	4	7	5	14	1	0	0	0	3	2	5	8	8	4	1	0	0	9	17	5	1	3	2	4	10	4	2	0	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																	
2 ENGLAND, N.E.—*cont.*																										
Northumberland—*cont.*	Tynemouth H	3	130	1012·9	–	42·5	1·8	7·9	85	5·7	6	0	4	3	18	0	0	0	0	0	2	1	12	16	0
		9	130	1012·9	-1·7	43·1	2·0	7·9	84	6·1	3	1	4	6	16	1	0	1	0	3	2	6	12	7	0
		15	130	1012·3	–	46·8	3·2	8·2	76	6·6	0	0	8	10	13	0	0	0	0	0	4	4	13	10	0
		21	130	1012·9	–	44·1	1·9	8·3	84	5·8	3	1	6	8	13	0	0	0	0	0	1	4	17	9	0
Durham	Middleton St. George H	3	118	1012·6	–	41·3	1·4	7·9	89	5·8	4	3	3	4	16	1	0	0	0	1	3	6	9	10	2
		9	118	1012·9	–	42·7	1·7	8·0	85	6·7	0	3	3	7	16	2	1	0	1	1	1	7	13	4	3
		15	118	1012·3	–	48·2	3·7	8·5	74	6·5	0	2	3	15	11	0	0	0	0	0	2	7	13	4	4
		21	118	1013·1	–	43·6	1·6	8·4	86	5·9	2	5	2	7	15	0	0	0	0	2	4	3	13	6	3
Yorks., N. Riding	Dishforth H	3	131	1012·5	–	40·5	1·1	7·8	91	5·5	5	3	4	3	14	2	0	2	1	2	4	6	8	6	2
		9	131	1013·0	–	42·1	1·6	7·9	87	7·0	0	2	2	8	18	1	0	1	1	2	2	8	9	5	2
		15	131	1012·1	–	48·9	3·7	8·7	75	6·7	0	2	3	12	14	0	0	0	0	2	7	13	2	2	5
		21	131	1013·1	–	43·5	1·4	8·5	88	5·9	2	6	1	7	15	0	0	0	2	1	2	7	12	4	3
Yorks., E. Riding	Driffield .. H	3	69	1013·0	–	40·1	1·1	7·6	90	5·5	4	5	2	3	14	3	0	2	1	2	1	6	13	4	2
		9	69	1013·4	–	42·9	1·7	8·1	87	6·5	2	2	1	10	14	2	0	1	0	1	3	4	12	6	3
		15	69	1012·6	–	48·7	3·9	8·5	73	6·4	0	1	9	6	15	0	0	0	0	0	3	4	6	12	3
		21	69	1013·5	–	42·9	1·5	8·3	87	6·0	4	2	3	5	16	1	0	1	0	1	3	5	12	7	2
Lincoln	Spurn Head H	3	54	1013·2	–	42·4	1·2	8·4	91	4·5	10	1	5	2	12	1	0	0	2	1	0	2	22	4	0
		9	54	1013·6	-1·5	43·2	1·2	8·5	90	5·3	3	4	4	12	8	0	0	0	0	1	4	7	18	1	0
		15	54	1013·1	–	46·2	2·4	8·7	82	6·1	0	2	8	11	10	0	0	0	0	1	1	8	20	1	0
		21	54	1013·6	–	43·9	1·4	8·7	89	4·3	9	3	5	3	11	0	0	0	0	0	3	3	22	3	0
Lincoln	Waddington H	3	227	1013·1	–	40·9	0·7	8·2	94	5·4	6	3	3	1	15	3	0	1	1	1	3	5	9	8	3
		9	227	1013·5	–	42·4	0·9	8·4	92	6·4	1	3	3	8	16	0	0	0	1	1	6	7	7	7	1
		15	227	1012·6	–	48·8	3·1	9·1	78	6·4	0	3	3	12	13	0	0	0	0	0	1	3	9	12	5
		21	227	1013·6	–	43·7	1·2	8·8	90	5·5	5	3	4	3	16	0	0	0	0	1	3	4	17	4	2
Norfolk	Marham H	3	47	1013·3	–	41·1	1·0	8·0	91	5·2	6	4	1	7	12	1	0	1	0	3	2	5	11	8	1
		9	47	1013·7	–	44·1	1·6	8·6	87	6·1	0	5	4	10	11	1	0	0	1	0	3	7	8	7	4
		15	47	1013·1	–	48·9	3·7	8·7	75	6·6	0	2	4	11	14	0	0	0	0	0	1	2	9	12	5
		21	47	1013·8	–	42·9	1·2	8·4	89	5·8	2	4	5	6	14	0	0	0	0	2	1	3	9	14	1
3 ENGLAND, E.																										
Norfolk	Marham H	3	89	1013·5	–	40·2	0·6	8·0	94	5·1	7	2	4	2	14	2	0	1	1	2	2	3	17	4	1
		9	89	1013·8	–	43·8	1·3	8·8	90	6·1	1	4	2	12	12	0	0	0	1	0	3	6	11	9	1
		15	89	1013·0	–	50·1	4·3	8·6	70	6·1	1	2	6	8	14	0	0	0	0	0	2	0	12	8	4
		21	89	1014·0	–	43·8	1·7	8·4	87	5·5	3	5	5	5	13	0	0	0	0	0	1	2	16	11	1
Norfolk	West Raynham H	3	263	1013·3	–	40·5	0·7	8·1	93	5·0	8	2	2	6	11	2	0	2	0	2	1	3	16	7	0
		9	263	1013·7	–	43·1	1·1	8·8	91	6·1	1	4	3	9	14	0	0	0	0	0	3	7	9	9	3
		15	263	1012·8	–	49·2	4·1	8·6	72	5·9	0	4	6	10	11	0	0	0	0	0	2	2	9	4	10
		21	263	1013·8	–	43·2	1·5	8·5	87	5·3	3	5	4	7	12	0	0	0	0	1	2	1	13	11	3
Suffolk	Gorleston	3	26	1014·2	–	41·7	1·8	8·3	92	4·5	11	5	1	3	8	3	0	3	1	1	0	1	18	7	0
		9	26	1014·5	-1·6	42·9	1·0	8·5	90	5·5	2	5	5	6	10	3	0	1	1	1	1	7	15	5	0
		15	26	1013·9	–	45·4	2·2	8·6	84	5·7	1	2	9	8	10	1	0	1	0	1	2	7	13	7	0
		21	26	1014·8	–	43·6	1·2	8·8	90	4·0	13	1	2	6	7	2	0	2	0	0	1	5	18	5	0
Suffolk	Mildenhall H	3	39	1013·3	–	41·8	1·3	8·1	89	4·8	8	2	4	5	10	2	0	0	1	1	5	3	14	5	2
		9	39	1013·7	–	44·9	1·8	8·6	85	6·1	1	2	7	8	13	0	0	0	0	1	0	10	10	9	1
		15	39	1012·8	–	51·2	5·0	8·4	66	6·0	1	3	3	12	12	0	0	0	0	0	0	4	8	12	7
		21	39	1013·8	–	44·6	2·0	8·4	84	4·7	6	3	6	5	11	0	0	0	0	0	3	3	16	6	3
Huntingdon	Felixstowe.. H	3	13	1013·8	–	42·7	0·9	8·6	92	4·8	10	1	2	4	10	4	2	1	1	0	0	2	15	9	1
		9	13	1014·2	-2·2	43·7	1·1	8·8	91	5·7	2	4	5	7	11	2	0	1	1	5	0	5	8	10	1
		15	13	1013·6	–	47·3	2·5	8·9	81	5·3	2	6	6	5	12	0	0	0	1	0	1	3	15	6	5
		21	13	1014·3	–	44·2	1·1	8·9	91	3·8	5	10	5	2	8	1	0	1	0	1	1	3	11	14	1
Huntingdon	Wyton .. H	3	141	1013·2	–	41·1	1·0	8·1	91	4·8	8	3	3	2	14	1	0	1	0	1	4	5	17	3	0
		9	141	1013·6	–	44·0	1·5	8·7	88	6·4	0	3	4	8	16	0	0	0	0	1	5	5	14	6	0
		15	141	1012·7	–	50·8	4·4	9·0	71	6·5	0	0	7	14	10	0	0	0	0	0	0	3	10	11	7
		21	141	1013·7	–	44·4	1·8	8·6	86	5·0	2	7	6	6	10	0	0	0	0	0	3	6	17	5	0
Bedford	Cardington H	3	96	1013·2	–	40·1	0·9	7·8	93	4·6	7	6	1	3	14	0	0	0	0	1	4	6	12	8	0
		9	96	1013·5	–	44·3	1·6	8·8	89	5·9	2	5	2	7	15	0	0	0	1	1	4	3	16	5	1
		15	96	1012·5	–	51·4	4·7	9·0	70	6·2	0	3	6	11	11	0	0	0	0	0	0	4	11	13	3
		21	96	1013·7	–	43·7	1·5	8·4	86	4·4	8	3	6	2	12	0	0	0	0	0	0	4	17	10	0
Hertford	Bovingdon H	3	517	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	517	1013·3	–	43·0	1·0	8·6	92	6·5	1	3	2	9	14	2	0	1	2	0	2	10	10	3	1
		15	517	1012·2	–	49·2	3·8	8·7	73	6·2	1	1	7	13	9	0	0	0	0	0	3	1	13	10	2
		21	517	1013·5	–	43·1	1·5	8·4	88	4·7	8	2	4	5	12	0	0	0	0	0	5	3	15	7	1
Essex	Shoeburyness H	9	12	1014·3	-2·2	45·2	1·6	9·1	88	6·0	3	2	4	7	14	1	0	1	1	1	3	3	14	7	1
		15	12	1013·5	–	49·5	3·7	9·1	75	5·7	2	5	4	7	12	1	0	0	1	0	0	4	13	8	5
		21	12	1014·3	–	44·3	1·7	8·7	87	3·6	9	8	2	3	8	1	0	1	0	1	0	5	15	9	0
4 MIDLAND COUNTIES																										
Yorks, W.R.	Huddersfield (Oakes) H	3	769	1012·8	–	40·1	1·4	7·4	87	5·3	3	4	6	5	13	0	0	2	0	2	1	4	10	8	4
		9	769	1012·9	–	42·9	2·0	7·8	83	6·3	1	3	3	8	16	0	0	4	0	0	0	6	11	8	2
		15	769	1012·1	–	46·6	3·3	8·1	76	6·7	0	1	6	6	18	0	0	1	0	1	2	4	9	8	6
		21	769	1013·3	–	41·4	1·5	7·8	87	5·5	4	3	7	1	16	0	0	0	1	1	1	6	13	6	3
Nottingham	Watnall .. H	3	390	1012·8	–	40·5	0·9	7·9	91	5·0	6	4	4	3	14	0	0	0	2	1	3	6	10	7	2
		9	390	1013·1	–	42·5	1·3	8·3	89	6·1	2	3	5	5	16	0	0	0	2	4	5	9	9	1	1
		15	390	1012·1	–	48·6	3·5	8·6	75	6·8	0	1	4	11	15	0	0	0	0	1	2	3	15	9	1
		21	390	1013·4	–	43·4	1·6	8·4	87	5·1	4	6	3	4	14	0	0	0	0	2	3	7	14	5	0
Nottingham	Finningley H	3	46	1012·8	–	40·1	0·8	7·9	93	5·2	6	3	4	1	14	3	0	2	0	3	3	9	12	2	0
		9	46	1013·4	–	43·4	1·4	8·4	88	6·3	2	3	2	5	17	2	0	2	0	2	4	4	14	4	1
		15	46	1012·5	–	50·1	4·1	8·8	73	6·4	0	2	6	9	14	0	0	0	0	0	2	2	14	10	3
		21	46	1013·4	–	44·0	1·6	8·6	87	5·7	6	1	3	3	17	1	0	1	0	1	5	7	12	4	1
Northampton	Langar H	9	109	1013·4	–	43·4	1·6	8·4	87	6·3	1	4	3	6	17	0	0	1	0	0	2	4	14	9	1
		15	109	1012·5	–	49·6	3·9	8·8	72	6·7	0	1	4	12	14	0	0	0	0	0	0	5	3	17	6
		21	109	1013·5	–	44·0	1·8	8·4	85	5·6	5	1	6	4	15	0	0	0	0	0	2	2	17	7	2
Northampton	Wittering H	3	219	1013·1	–	39·9	0·7	7·9	92	4·9	7	5	1	3	14	1	0	2	0	1	4	6	9	6	3
		9	219	1013·5	–	43·5	1·5	8·5	88	6·7	1	2	1	8	18	1	0	0	0	0	3	4	5	9	5
		15	219	1012·6	–	49·8	4·1	8·8	72	6·6	0	2	3	14	12	0	0	0	0	0	2	2	6	16	5
		21	219	1013·6	–	43·7	1·5	8·5	87	5·7	4	3	3	6	15	0	0	0	0	1	1	5	14	8	2

WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm — Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0	1	11	18	1	2	1	6	2	12	2	5	0
0	0	17	14	0	3	2	3	5	7	8	3	0
0	0	17	14	0	3	1	6	8	5	2	5	1
0	1	13	17	0	1	1	6	4	11	3	4	1
0	0	8	18	5	1	4	3	4	9	2	2	1
0	2	11	16	2	2	5	3	4	10	3	1	1
0	1	17	11	2	0	5	3	3	8	3	5	2
0	0	8	20	3	1	5	3	5	8	3	2	1
0	0	5	24	2	4	2	7	8	3	3	0	2
0	0	13	18	0	5	3	7	8	3	2	1	2
0	0	17	14	0	3	2	5	9	5	3	3	1
0	0	4	27	0	3	2	6	5	9	3	1	2
0	0	4	21	6	3	1	6	3	5	3	2	2
0	0	11	16	4	1	5	6	1	8	3	1	2
0	1	13	17	0	0	4	7	5	7	3	2	3
0	0	6	24	1	2	4	6	3	5	4	3	3
0	2	17	10	2	1	1	4	4	9	6	3	1
0	0	20	9	2	2	1	5	4	5	5	5	2
0	1	24	5	1	0	3	7	5	6	6	1	2
0	0	19	10	2	1	1	6	2	10	3	5	1
0	1	9	21	0	3	6	2	5	7	5	2	1
0	0	19	12	0	4	3	4	7	6	3	2	2
0	2	16	12	1	2	6	1	7	6	6	0	2
0	0	12	19	0	2	6	1	6	8	5	1	2
0	0	5	24	2	2	3	3	3	11	2	3	2
0	0	19	11	1	3	1	3	5	9	5	1	3
0	0	19	12	0	4	3	4	7	6	3	2	2
0	2	14	15	0	3	3	5	6	9	2	2	1
0	0	12	17	2	1	4	4	3	10	2	4	1
0	0	20	8	0	3	4	3	4	9	4	4	0
0	1	21	9	0	2	6	1	3	11	4	1	3
0	0	21	9	1	0	6	3	6	7	6	0	2
0	0	2	8	21	0	0	4	2	3	11	3	5	3
0	0	5	12	14	0	2	2	5	1	10	4	5	2
0	0	4	15	12	0	2	5	4	1	15	2	2	0
0	0	3	11	15	2	1	5	3	1	14	4	1	0
0	0	7	24	0	0	4	2	5	6	8	5	2	4
0	0	11	20	0	1	4	2	5	6	7	5	1
0	0	1	14	16	0	5	4	3	0	11	6	2	0
0	0	5	25	1	1	5	4	6	9	5	0	0
0	1	12	17	1	3	3	4	5	6	3	3	3
0	0	20	10	1	1	4	4	2	10	4	2	3
0	0	18	13	0	4	4	3	8	7	3	1	1
0	2	14	12	3	2	4	3	3	9	5	1	1
0	0	10	21	0	2	3	5	2	8	7	1	3
0	0	14	16	1	4	4	2	4	9	5	1	1
0	0	19	12	0	4	3	4	3	10	4	2	1
0	0	10	21	0	1	7	3	3	6	9	0	2
0	0	6	20	5	2	4	4	2	6	8	0	0
0	3	16	10	2	5	3	2	4	8	6	1	0
0	3	16	10	2	2	6	3	4	7	5	2	0
0	0	8	22	1	3	8	1	3	7	6	1	1
–	–	–	–	–	–	–	–	–	–	–	–	–	–
0	0	14	17	0	4	4	2	4	12	2	3	0
0	1	19	10	1	3	5	2	1	9	6	4	0
0	0	21	10	0	0	7	4	1	8	6	2	3
0	0	14	15	1	2	4	2	3	11	5	2	1
0	0	14	16	0	2	5	3	3	12	3	3	0
0	0	1	10	20	0	3	5	3	1	10	8	1	0

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																				
4 MIDLAND COUNTIES—*cont.*																																												
Warwick — Birmingham H	9	542	1013·0	−3·1	42·5	1·4	8·2	88	6·4	1	4	2	6	18	0	0	0	3	1	6	7	6	8	0	0	0	0	14	17	0	1	3	5	7	11	3	0	1
	15	542	1012·0	–	48·5	4·0	8·3	72	6·3	0	1	9	8	13	0	0	0	0	0	2	1	18	6	4	0	0	0	17	14	0	2	4	5	3	7	7	2	1
	21	542	1013·3	–	44·1	1·9	8·4	84	5·5	4	4	3	6	14	0	0	0	0	0	2	6	16	6	1	0	0	1	13	17	0	1	5	5	1	10	5	2	1
	3	362	1012·7	–	40·9	1·1	7·9	91	5·2	6	2	4	6	13	0	0	0	0	1	2	8	9	11	0	0	0	1	6	24	0	1	4	6	4	8	6	1	1
Elmdon .. H	9	362	1013·1	–	43·3	1·6	8·3	88	6·6	0	4	1	10	14	2	0	0	0	1	3	2	5	16	4	0	0	0	0	13	16	2	0	5	3	9	4	6	0	2
	15	362	1012·2	–	49·3	3·8	8·8	74	6·6	0	1	4	15	11	0	0	0	0	0	0	4	15	11	1	0	0	1	18	12	0	3	6	2	4	8	5	2	1
	21	362	1013·4	–	43·5	1·6	8·4	87	5·0	5	5	3	7	11	0	0	0	0	0	3	9	18	1	0	0	0	1	10	20	0	0	6	4	6	7	4	2	1
	3	242	1012·1	–	41·6	1·3	8·0	89	5·8	4	1	5	7	14	0	0	0	0	1	0	1	4	15	5	0	0	0	7	22	2	0	2	9	5	8	2	2	1
Shropshire — Shawbury .. H	9	242	1012·4	–	43·6	1·5	8·4	87	6·5	0	4	3	6	18	0	0	0	0	2	2	5	9	5	8	0	0	0	10	19	2	0	3	10	5	6	4	0	1
	15	242	1011·6	–	48·9	3·4	8·9	75	6·4	0	1	5	15	10	0	0	0	0	0	0	4	10	9	3	5	0	1	16	14	0	4	2	6	5	9	2	3	0
	21	242	1012·7	–	43·6	1·8	8·3	85	5·5	2	6	3	9	11	0	0	0	0	0	2	3	8	6	9	3	0	0	12	19	0	1	2	9	3	9	3	0	2
	3	112	1012·4	–	41·6	1·2	8·1	90	5·5	3	6	3	4	15	0	0	0	0	0	0	2	2	9	14	4	0	0	0	7	20	4	4	4	3	4	9	3	0	0
Worcester — Pershore .. H	9	112	1012·8	–	44·1	1·4	8·8	89	6·6	0	3	4	7	17	0	0	0	0	3	0	6	5	12	5	0	0	0	10	18	3	1	5	5	1	10	6	0	0
	15	112	1011·9	–	50·5	4·0	9·1	73	6·3	0	1	7	14	9	0	0	0	0	1	8	10	6	6	0	0	0	0	21	9	1	3	5	2	1	8	6	4	2
	21	112	1013·1	–	44·5	1·6	8·7	87	5·0	6	3	4	7	11	0	0	0	0	0	0	3	9	13	5	1	0	0	9	22	0	2	0	6	5	3	8	5	2	1
	9	226	1012·2	−3·8	44·5	1·8	8·5	84	6·7	0	3	3	7	17	1	0	1	0	1	2	1	15	7	3	1	0	0	4	25	2	1	6	3	1	9	8	0	1
Hereford — Ross-on-Wye H	15	226	1011·5	–	50·1	4·4	8·5	70	6·0	1	2	8	9	11	0	0	0	0	0	2	13	5	10	1	0	0	1	9	22	0	2	6	2	1	6	8	3	1
	21	226	1012·7	–	44·6	2·3	8·3	82	4·8	2	10	2	7	10	0	0	0	0	0	2	1	17	5	6	0	0	0	4	27	0	0	2	6	6	0	10	6	3	2
	3	197	1012·3	–	41·8	1·2	8·1	90	4·9	6	4	4	4	12	1	0	2	0	0	1	2	10	9	6	1	0	0	6	21	4	3	3	4	2	9	3	3	0
Gloucester — Bristol (Filton) H	9	197	1012·5	–	45·0	1·4	9·1	89	6·9	0	1	6	5	19	0	0	0	0	1	4	4	13	5	4	0	0	0	10	21	0	2	4	5	3	10	5	2	0
	15	197	1011·9	–	50·5	4·1	9·0	72	5·7	1	4	5	12	9	0	0	0	0	0	0	0	11	13	5	2	0	0	2	10	0	1	6	2	3	8	4	5	2
	21	197	1013·0	–	44·8	1·7	8·7	86	4·7	4	7	4	6	10	0	0	0	0	0	1	3	20	4	1	2	0	0	12	19	0	3	5	4	3	8	4	3	1
	3	751	1012·7	–	39·6	0·6	7·9	95	5·1	7	4	1	3	11	5	0	5	1	1	2	4	10	5	1	2	0	0	12	19	0	1	5	5	2	1	9	3	4	3
Little Rissington H	9	751	1013·0	–	41·7	0·8	8·4	93	6·8	0	3	2	5	15	6	1	4	2	1	2	4	10	3	4	0	0	1	14	16	0	3	2	6	2	10	4	4	0
	15	751	1012·0	–	47·7	3·2	8·7	77	6·0	1	1	10	10	9	0	0	0	0	0	3	8	8	11	1	0	1	20	10	0	2	4	4	3	6	5	6	1	1
	21	751	1013·4	–	42·1	1·1	8·4	91	5·1	9	1	1	8	11	1	0	1	0	1	2	3	12	5	7	0	0	1	14	16	0	2	6	5	1	5	6	5	1
5 ENGLAND, S.E.																																											
	3	86	1013·0	–	42·1	1·3	8·3	90	4·9	7	3	4	5	11	1	0	1	0	1	2	8	7	11	1	0	0	0	6	18	7	1	5	4	2	8	1	3	0
Middlesex — London Airport H	9	86	1013·6	–	45·5	2·0	8·7	85	6·3	2	2	2	12	12	1	0	0	1	3	1	7	10	5	4	0	0	0	13	16	2	3	5	4	2	5	8	3	1
	15	86	1012·5	–	51·7	5·0	8·6	67	6·1	1	1	9	10	10	0	0	0	0	0	0	1	12	10	5	3	0	0	2	18	11	0	3	5	1	4	8	4	3	6
	21	86	1013·8	–	45·1	2·1	8·5	82	4·5	5	6	6	5	9	0	0	0	1	1	1	5	14	8	1	0	0	0	11	19	1	2	3	4	2	10	5	3	1
	9	34	1013·6	−2·9	46·0	2·3	8·7	83	6·1	2	3	4	10	11	1	0	1	0	2	3	3	9	8	4	1	0	0	11	19	1	3	3	5	3	10	4	2	2
Surrey — Kew Observatory H	15	34	1012·6	–	51·1	4·9	8·5	67	6·2	0	3	5	15	8	0	0	0	0	0	1	5	9	6	7	3	0	0	14	17	0	5	4	1	2	13	4	2	2
	21	34	1013·8	–	46·2	2·5	8·5	80	4·2	6	5	5	9	6	0	0	0	0	2	1	5	3	14	5	2	0	0	7	24	0	0	5	3	3	12	5	1	0
	3	195	1013·4	–	39·8	0·6	7·9	94	5·1	8	2	2	4	14	1	0	1	2	4	1	6	12	5	0	0	0	0	7	15	9	3	2	5	1	4	7	0	3
Gatwick .. H	9	195	1013·8	–	44·3	1·4	8·8	89	6·3	1	2	4	11	12	1	0	1	0	3	2	6	12	5	2	0	0	0	11	15	5	3	3	4	1	6	6	3	0
	15	195	1012·9	–	50·9	4·3	9·0	71	6·2	0	2	5	17	7	0	0	0	0	0	1	8	6	6	0	0	1	18	11	1	2	2	4	0	7	12	3	0	0
	21	195	1014·0	–	42·8	1·4	8·4	88	3·8	7	8	3	7	6	0	0	0	0	0	0	7	20	4	1	4	0	0	7	20	4	1	4	5	1	5	9	2	1
	3	309	1013·6	–	41·3	0·6	8·4	95	5·0	7	5	0	3	13	3	0	4	0	2	2	10	7	6	0	0	0	1	6	20	4	1	2	2	2	12	3	1	0
Kent — West Malling H	9	309	1014·0	–	44·2	1·0	9·0	92	6·1	1	4	4	6	13	3	0	3	0	3	2	6	9	6	2	0	0	0	17	9	5	5	3	0	1	10	6	0	1
	15	309	1013·0	–	49·7	3·4	9·3	77	6·2	1	1	7	12	10	0	0	0	0	0	3	9	13	6	0	0	0	3	18	9	1	4	4	0	2	11	7	1	1
	21	309	1014·1	–	43·1	1·2	8·6	90	4·2	8	6	3	4	10	0	0	0	0	1	0	5	5	9	8	3	0	0	1	8	20	2	2	4	1	2	12	6	1	1
	3	35	1013·1	–	43·3	0·9	8·8	92	4·5	7	3	6	7	8	0	0	0	0	0	2	2	3	4	16	4	0	0	0	4	26	1	3	3	6	3	5	4	3	1
Sussex — Thorney Island H	9	35	1013·8	–	46·2	1·4	9·6	90	5·7	1	7	1	8	14	0	0	0	0	0	2	4	10	10	5	0	0	1	7	20	3	3	3	5	2	7	2	5	2
	15	35	1012·9	–	50·8	3·1	9·9	78	6·0	0	1	9	17	4	0	0	0	0	0	0	1	0	13	8	4	5	0	0	10	21	0	2	4	4	2	12	5	2	1
	21	35	1013·9	–	45·2	1·5	9·1	88	4·4	4	9	3	4	10	1	0	1	0	0	0	6	7	14	3	0	0	1	7	19	4	3	1	7	0	7	6	3	0
	9	20	1014·0	–	45·8	1·5	9·3	89	6·1	0	2	8	12	7	2	1	0	1	0	2	0	25	2	0	0	0	1	7	14	9	2	0	4	0	3	7	5	1
Eastbourne (Coastguard) H	15	20	1013·5	–	49·4	2·9	9·6	80	6·2	0	1	8	11	9	2	1	0	1	0	0	0	26	3	0	0	0	0	15	11	5	3	1	4	0	4	6	8	0
	21	20	1014·5	–	45·6	1·4	9·2	89	4·4	5	2	10	11	3	0	0	0	0	0	1	0	19	11	0	0	0	0	12	10	8	0	2	5	0	5	4	6	0
	3	234	1012·9	–	41·0	1·1	8·0	92	4·4	10	3	1	4	13	0	0	0	1	1	5	2	12	7	3	0	0	0	6	18	7	4	2	5	4	6	1	2	1
Berkshire — Abingdon .. H	9	234	1013·3	–	43·7	1·1	8·8	90	6·6	0	3	3	7	16	2	1	0	1	0	2	7	9	6	4	1	0	0	11	16	4	2	3	2	6	6	1	1	0
	15	234	1012·3	–	51·3	4·4	9·1	72	6·1	1	0	8	14	8	0	0	0	0	0	1	8	9	13	0	0	1	16	14	0	4	4	2	2	9	7	3	1	2
	21	234	1013·5	–	44·6	1·6	8·7	87	5·0	5	6	2	3	15	0	0	0	0	2	2	14	8	5	0	0	0	0	10	19	2	3	5	3	5	4	6	1	2
	3	231	1013·3	–	41·6	0·9	8·3	91	5·0	7	4	2	2	13	3	0	2	1	0	2	4	10	8	3	1	0	0	1	24	6	1	3	2	3	8	6	2	0
Hampshire — S. Farnborough H	9	231	1013·7	−2·7	45·0	1·5	9·1	88	6·1	2	3	3	9	14	0	0	0	1	1	2	4	12	1	5	2	0	0	1	28	2	2	2	3	3	9	5	4	1
	15	231	1012·7	–	51·3	4·4	9·1	71	6·3	1	1	3	19	7	0	0	0	0	0	1	0	10	3	13	4	0	0	5	26	0	2	4	3	2	6	7	6	1
	21	231	1013·9	–	44·3	1·6	8·7	87	3·7	11	5	2	4	9	0	0	0	0	0	0	3	4	8	12	3	2	0	0	29	2	1	4	4	1	6	10	2	1
	3	344	1012·9	–	41·7	0·8	8·5	94	5·1	6	5	1	5	11	3	1	1	1	1	3	4	12	6	2	0	0	0	4	24	3	1	4	2	5	11	2	2	1
Blackbushe H	9	344	1013·4	–	44·5	1·4	9·0	89	6·2	1	4	3	11	11	1	0	0	1	1	2	4	12	8	3	0	0	0	15	15	1	3	3	2	4	8	7	2	1
	15	344	1012·6	–	50·8	4·3	9·1	72	6·2	1	1	4	19	6	0	0	0	0	0	3	7	5	10	6	0	0	3	15	13	0	5	4	1	4	9	3	5	0
	21	344	1013·6	–	43·7	1·2	8·8	89	3·9	7	9	1	6	8	0	0	0	0	0	2	4	14	8	2	1	0	0	10	21	0	2	5	2	5	10	4	2	1
	3	458	1012·5	–	40·9	0·9	8·1	93	5·2	8	1	4	1	16	1	0	1	1	0	5	3	5	11	4	1	0	0	12	19	0	3	4	2	3	10	6	1	2
Wiltshire — Lyneham H	9	458	1012·9	–	43·6	1·1	8·8	91	6·7	0	3	3	8	16	1	0	0	1	0	1	3	11	9	3	2	0	1	15	15	0	1	6	2	3	12	7	0	1
	15	458	1012·0	–	49·2	3·7	8·8	74	6·2	2	1	4	16	8	0	0	0	0	0	1	9	5	9	7	0	0	4	18	9	0	3	3	4	1	8	8	3	1
	21	458	1013·2	–	43·2	1·4	8·5	88	4·8	4	6	3	5	13	0	0	0	0	2	4	10	6	9	0	0	1	0	9	20	1	2	3	5	2	8	7	1	2
	9	582	1013·0	–	43·5	1·0	8·9	92	6·3	0	5	1	11	13	1	0	1	0	1	4	1	19	1	2	2	0	0	11	19	1	2	4	3	4	9	6	1	1
Upavon .. H	15	582	1012·1	–	48·9	3·3	9·0	77	6·1	0	2	7	16	6	0	0	0	0	0	2	1	14	5	9	2	0	0	16	15	0	3	3	3	3	6	5	7	1
	21	582	1013·3	–	42·3	1·0	8·4	91	5·1	4	5	4	8	9	1	0	1	0	0	2	4	10	12	2	0	0	1	11	17	2	3	3	5	3	7	4	4	0
	3	419	1013·0	–	40·9	0·4	8·5	96	4·9	7	3	3	4	13	1	0	1	0	1	0	2	6	12	7	2	0	0	0	9	18	4	4	1	5	4	10	1	1	1
Boscombe Down H	9	419	1013·2	–	43·9	0·5	9·3	94	6·6	0	4	1	6	19	1	0	1	1	0	2	3	18	1	5	0	0	0	15	16	0	2	4	4	3	11	5	2	1
	15	419	1012·4	–	49·9	3·2	9·6	78	6·2	0	2	7	16	6	0	0	0	0	0	0	3	14	9	1	0	0	0	19	10	0	4	4	1	4	9	4	4	1
	21	419	1013·7	–	42·9	0·8	8·8	93	4·7	3	8	4	6	9	1	0	1	0	0	0	3	14	12	1	0	0	1	8	19	3	2	2	5	4	8	4	1	2
7a ENGLAND, N.W.																																											
	3	27	1011·7	–	41·5	1·3	7·9	89	5·8	3	3	4	5	16	0	0	0	0	0	1	0	4	5	13	8	0	0	0	8	19	4	0	7	6	1	9	3	1	0
Cumberland — Silloth H	9	27	1012·0	–	43·6	1·8	8·4	86	6·2	0	2	6	14	9	0	0	0	0	0	1	3	10	14	2	1	0	0	14	15	1	0	10	7	1	6	6	1	0
	15	27	1011·4	–	48·6	3·2	8·8	75	5·5	2	0	13	8	8	0	0	0	0	0	1	4	8	10	6	2	0	0	13	15	2	0	4	7	3	5	7	2	1
	21	27	1012·1	–	42·6	1·5	8·2	88	4·0	7	7	4	4	9	0	0	0	0	1	2	6	7	11	5	0	0	0	8	20	3	0	7	6	4	9	1	1	0
	3	35	1011·4	–	41·0	1·3	7·8	89	5·3	6	2	3	10	9	1	0	0	0	2	0	2	6	7	9	4	0	0	12	17	2	1	0	10	14	1	1	1	0
Lancashire — Squires Gate H	9	35	1011·8	–	44·0	1·7	8·5	86	6·6	0	4	2	7	17	1	0	0	0	0	2	7	12	6	2	0	0	0	14	17	0	0	1	11	13	1	4	1	0
	15	35	1011·2	–	49·6	3·5	9·1	75	6·2	0	3	3	18	7	0	0	0	0	0	2	6	10	6	2	1	0	0	14	16	1	1	1	5	7	8	5	1	0
	21	35	1012·0	–	43·4	1·7	8·3	86	5·0	7	3	2	8	11	0	0	0	1	0	1	2	6	13	9	1	0	0	11	20	0	0	2	8	9	6	3	2	3
	3	85	1011·8	–	42·5	1·5	8·1	87	6·0	3	1	5	8	13	1	0	0	0	0	2	5	10	10	3	0	0	0	13	18	0	0	1	5	4	6	12	2	0	1
Speke .. H	9	85	1012·3	–	44·2	2·0	8·4	85	6·3	1	4	2	8	15	1	0	0	0	1	4	7	10	7	1	0	0	0	11	18	0	0	0	5	6	10	7	2	0	2
	15	85	1011·5	–	49·6	3·7	8·9	73	6·6	1	1	3	14	12	0	0	0	0	0	2	7	11	9	2	0	0	0	22	9	0	0	0	4	3	4	14	0	2	4
	21	85	1012·5	–	45·4	2·3	8·4	81	4·5	7	4	5	6	9	0	0	0	0	0	5	4	9	13	0	0	0	1	11	19	0	0	0	3	5	8	7	5	0	3

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
7a ENGLAND, N.W.—*cont.*																
Cheshire	Manchester Airport H	3	251	1011·9	–	41·9	1·7	7·9	86	5·8	2	2	6	9	11	1
		9	251	1012·2	–	44·0	2·0	8·3	84	6·7	0	2	4	12	13	0
		15	251	1011·5	–	49·3	3·8	8·7	73	6·5	0	2	5	13	11	0
		21	251	1012·5	–	44·4	2·1	8·3	83	4·8	4	6	4	9	8	0
7b NORTH WALES																
Anglesey	Holyhead .. (Valley) H	3	29	1010·0	–	44·1	1·4	8·9	89	5·1	5	4	4	5	13	0
		9	29	1010·5	–4·2	46·0	1·6	9·3	87	5·6	2	3	4	17	5	0
		15	29	1010·4	–	49·9	3·3	9·5	77	5·1	2	6	6	9	8	0
		21	29	1010·8	–	44·9	1·6	9·0	87	4·2	7	5	4	10	5	0
8a SOUTH WALES																
Cardigan	Aberporth .. H	3	379	1010·3	–	43·1	2·4	8·5	89	5·7	3	4	4	4	15	1
		9	379	1010·9	–	45·1	1·7	9·0	87	6·4	2	1	2	16	9	1
		15	379	1010·5	–	48·6	3·0	9·2	78	5·5	1	6	3	14	7	0
		21	379	1011·2	–	44·4	1·8	8·6	85	4·5	2	9	5	8	7	0
Glamorgan	Mumbles Head H	3	123	1011·2	–	44·2	1·3	8·9	89	6·1	1	5	3	5	17	0
		9	123	1011·6	–	44·6	1·3	9·1	89	6·4	1	2	4	10	14	0
		15	123	1011·4	–	47·5	2·3	9·3	82	6·2	1	2	6	8	14	0
		21	123	1012·0	–	45·2	1·7	9·0	87	5·0	6	4	4	2	15	0
	Rhoose .. H	3	225	1012·0	–	42·4	1·1	8·4	91	5·9	3	4	3	4	16	1
		9	225	1012·4	–	44·9	1·4	9·0	88	6·7	1	1	4	10	14	1
		15	225	1011·8	–	49·0	3·2	9·2	78	6·1	0	4	5	12	10	0
		21	225	1012·9	–	44·3	1·5	8·7	88	5·3	3	4	6	5	13	0
8b ENGLAND, S.W.																
Dorset	Portland Bill H	3	35	1012·0	–	45·3	0·4	10·0	97	4·7	9	2	3	3	13	1
		9	35	1012·4	–	46·0	0·4	10·3	97	5·6	1	8	1	10	10	1
		15	35	1011·9	–	48·2	1·1	10·5	92	5·7	1	6	3	11	8	2
		21	35	1012·6	–	46·1	1·0	10·1	95	4·3	5	10	2	2	9	3
Devon	Hartland Pt. H	3	305	1010·2	–	45·0	1·5	9·1	88	4·9	0	9	5	9	7	1
		9	305	1010·8	–	46·0	1·5	9·3	87	5·9	0	2	6	21	2	0
		15	305	1010·5	–	48·1	2·4	9·4	82	5·3	1	3	9	13	5	0
		21	305	1011·0	–	46·0	1·7	9·2	86	4·2	1	3	15	6	6	0
	Plymouth (Mount Batten) H	3	100	1011·6	–	44·9	0·9	9·4	91	6·1	2	1	6	9	13	0
		9	100	1012·0	–4·0	46·8	1·4	9·7	89	5·8	2	2	5	14	8	0
		15	100	1011·6	–	50·0	3·1	9·5	78	6·1	1	1	6	17	6	0
		21	100	1012·3	–	46·3	1·5	9·5	88	4·6	6	6	2	6	11	0
	Chivenor .. H	3	23	1011·6	–	44·0	1·0	9·1	92	5·5	6	1	3	9	12	0
		9	23	1011·7	–	46·6	1·3	9·8	90	6·3	2	1	2	18	8	0
		15	23	1011·4	–	51·6	3·0	9·1	80	6·0	1	3	6	12	9	0
		21	23	1012·0	–	46·1	1·2	9·6	90	5·3	1	6	8	7	9	0
	Exeter .. H	3	125	1012·2	–	42·8	0·9	8·7	92	5·4	4	5	3	5	13	1
		9	125	1012·5	–	45·5	1·4	9·3	88	6·4	1	2	3	16	9	0
		15	125	1011·9	–	49·9	3·4	9·3	76	6·4	1	2	4	15	9	0
		21	125	1012·8	–	45·2	1·7	8·9	86	4·4	6	5	6	5	9	0
Cornwall	St.Mary's, Scilly H	3	199	1010·2	–	47·6	1·8	9·8	87	5·5	2	2	9	7	11	0
		9	199	1010·6	–4·6	48·3	2·1	9·7	82	5·4	1	3	10	11	5	1
		15	199	1010·5	–	50·1	3·2	9·7	78	5·2	2	2	10	10	7	0
		21	199	1011·0	–	47·7	1·9	9·4	83	4·8	1	9	7	4	10	0
	St. Mawgan H	3	350	1011·3	–	44·5	0·8	9·5	93	5·4	3	3	7	6	11	1
		9	350	1011·7	–	46·2	1·3	9·6	89	5·6	2	2	8	14	5	0
		15	350	1011·1	–	49·7	2·9	9·7	79	5·5	1	4	5	18	3	0
		21	350	1012·0	–	45·5	1·1	9·5	90	4·8	3	6	6	7	9	0
NORTHERN IRELAND																
Londonderry	Ballykelly H	3	13	1007·6	–	42·7	1·8	7·9	84	5·2	5	4	3	10	9	0
		9	13	1008·4	–	44·8	2·2	8·4	83	5·8	0	5	5	13	8	0
		15	13	1007·8	–	50·5	4·2	8·9	71	5·5	0	6	6	13	6	0
		21	13	1008·3	–	44·5	2·1	8·4	83	4·9	0	7	5	13	6	0
Antrim	Aldergrove H	3	220	1009·1	–	41·8	1·3	8·2	89	5·9	3	2	4	8	14	0
		9	220	1009·5	–4·7	44·0	1·6	8·7	86	6·3	0	1	8	12	10	0
		15	220	1009·1	–	49·0	3·5	8·9	74	6·2	0	2	7	16	6	0
		21	220	1009·5	–	43·7	1·7	8·5	87	5·3	1	7	5	8	10	0
	Nutts Corner H	3	356	1009·0	–	42·0	1·3	8·2	89	5·9	0	5	6	4	16	0
		9	356	1009·6	–	43·5	1·4	8·5	87	6·3	0	1	8	12	10	0
		15	356	1009·1	–	48·4	3·9	8·4	72	6·2	0	2	7	14	8	0
		21	356	1009·6	–	43·6	1·6	8·4	86	5·3	1	8	4	6	12	0

DISTRICT, COUNTY AND PLACE		VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
7a ENGLAND, N.W.—*cont.*																												
Cheshire	Manchester Airport H	0	2	0	1	0	4	19	5	0	0	0	0	14	14	3	0	3	6	8	9	2	0	0
		0	1	0	0	1	4	16	7	1	0	0	1	11	18	1	0	3	8	7	9	2	0	1
		0	0	0	0	1	4	14	7	5	0	0	0	18	13	0	0	3	6	7	8	2	3	2
		0	0	0	0	1	4	23	3	0	0	0	1	13	16	1	1	3	7	6	9	3	1	0
7b NORTH WALES																												
Anglesey	Holyhead .. (Valley) H	0	0	0	0	1	5	8	12	5	0	0	4	7	16	4	0	4	7	2	10	3	0	1
		0	0	0	0	0	4	6	13	7	1	0	3	15	12	1	1	2	7	2	13	2	1	2
		0	0	0	0	0	3	8	5	12	3	0	3	19	7	2	0	2	5	2	12	5	0	3
		0	0	0	0	0	6	6	12	6	1	0	5	11	12	3	0	4	6	2	9	5	1	1
8a SOUTH WALES																												
Cardigan	Aberporth .. H	0	1	0	0	0	1	13	11	4	1	0	0	15	12	4	0	0	5	5	13	4	0	0
		0	0	0	1	0	1	8	8	9	4	0	0	15	16	0	1	2	3	5	15	1	2	2
		0	0	0	1	0	1	7	6	10	6	0	4	18	8	1	3	3	3	4	8	4	4	1
		0	0	0	0	0	2	9	12	7	1	0	1	14	15	1	0	1	5	5	13	5	0	1
Glamorgan	Mumbles Head H	0	0	0	0	1	2	17	10	1	0	0	4	16	9	2	1	2	12	3	4	4	3	0
		0	0	0	0	0	6	13	12	0	0	0	4	13	12	2	2	1	11	1	7	4	3	0
		0	0	0	0	1	4	15	9	2	0	0	1	16	12	2	0	0	8	4	6	5	3	3
		0	0	0	0	1	3	13	11	3	0	0	4	16	10	1	3	4	7	1	6	5	4	0
	Rhoose .. H	0	0	2	0	2	3	10	5	7	2	0	0	14	16	1	0	5	8	4	5	3	4	1
		0	0	1	0	2	3	10	5	4	6	0	0	17	13	1	0	5	7	5	4	4	4	1
		0	0	0	0	0	3	10	4	6	8	0	3	16	12	0	1	3	5	7	5	2	7	1
		0	0	0	0	0	4	7	8	9	3	0	2	14	15	0	2	6	5	5	3	4	4	2
8b ENGLAND, S.W.																												
Dorset	Portland Bill H	0	1	0	1	0	1	0	6	21	1	0	2	13	16	0	3	5	6	1	9	1	4	2
		0	0	0	0	1	0	1	8	11	0	0	3	11	16	1	3	3	6	1	8	4	5	0
		0	0	0	0	0	1	0	6	13	0	0	3	14	14	0	2	3	7	2	5	7	4	1
		0	0	0	0	0	2	9	16	0	0	0	5	11	15	0	2	3	7	1	7	3	7	1
Devon	Hartland Pt. H	0	1	0	0	0	1	3	19	7	0	0	3	17	11	0	0	3	7	2	7	6	6	0
		0	0	0	0	0	2	3	19	7	0	0	2	12	17	0	1	4	6	1	5	5	9	0
		0	0	0	0	0	1	1	8	14	5	0	3	14	14	0	2	4	5	1	4	11	3	1
		0	0	0	0	0	0	7	16	8	0	0	4	13	13	1	2	5	3	4	4	6	6	0
	Plymouth (Mount Batten) H	0	0	0	0	1	10	11	9	0	0	0	5	11	13	2	1	4	7	3	6	4	4	0
		0	0	0	0	1	2	5	13	8	1	0	3	14	12	2	0	4	6	2	8	3	5	1
		0	0	0	0	1	0	2	8	11	8	0	6	21	4	0	3	1	7	2	8	6	4	0
		0	0	0	0	1	2	22	6	0	0	0	4	13	12	2	1	4	7	1	8	5	2	1
	Chivenor .. H	0	0	0	0	1	0	11	9	9	1	0	0	10	18	3	0	0	11	7	7	1	2	0
		0	0	0	0	1	2	6	8	11	3	0	3	9	18	1	1	0	13	8	3	2	2	1
		0	0	0	0	0	0	9	6	10	6	0	4	18	9	0	1	0	7	1	7	4	9	2
		0	0	0	0	0	1	12	8	9	1	0	1	8	20	2	2	3	4	10	8	1	1	0
	Exeter .. H	0	0	1	0	3	2	7	7	11	0	0	0	8	16	7	1	5	2	5	7	3	0	1
		0	0	0	0	3	3	11	8	3	3	0	1	17	6	7	0	2	4	3	9	2	3	1
		0	0	0	0	0	1	10	5	8	7	0	0	24	7	0	2	5	0	8	5	4	6	1
		0	0	0	1	0	1	10	6	12	1	0	0	15	14	2	0	3	4	4	11	3	1	3
Cornwall	St.Mary's, Scilly H	0	0	0	0	0	1	13	10	4	3	0	5	15	9	2	0	1	4	4	8	4	8	0
		0	1	0	0	0	1	11	9	5	4	0	4	15	10	2	0	1	4	4	4	7	6	3
		0	0	0	0	0	1	10	7	7	6	0	4	22	5	0	0	1	6	4	4	5	7	4
		0	0	0	0	0	1	12	11	6	1	0	3	17	10	1	0	1	6	3	6	5	4	5
	St. Mawgan H	0	0	0	1	0	1	12	9	4	0	0	3	12	15	1	0	1	6	5	9	5	4	0
		0	0	0	0	0	1	12	11	6	1	0	3	16	12	0	1	2	5	4	12	1	5	1
		0	0	0	0	0	0	9	13	6	3	0	5	20	6	0	3	3	3	3	5	5	7	2
		0	0	0	0	1	0	11	9	9	1	0	0	14	17	0	1	3	4	6	7	4	4	2
NORTHERN IRELAND																												
Londonderry	Ballykelly H	0	0	0	0	0	0	10	9	10	2	0	2	13	15	1	1	1	4	11	9	2	4	0
		0	0	0	0	0	0	6	8	10	7	0	1	13	16	1	0	1	3	13	7	2	4	0
		0	0	0	0	0	0	7	6	10	8	0	0	19	12	0	1	0	2	11	6	5	4	2
		0	0	0	0	0	0	9	9	11	2	0	3	12	14	2	0	2	3	12	7	2	3	0
Antrim	Aldergrove H	0	0	0	0	1	3	10	11	6	0	0	0	16	12	3	1	2	4	9	9	4	2	1
		0	0	0	0	0	2	10	9	7	3	0	0	14	16	1	0	3	4	13	5	4	1	0
		0	0	0	0	0	1	6	6	7	11	0	0	18	12	1	0	1	5	7	9	6	1	1
		0	0	0	0	0	3	6	12	8	2	0	1	10	18	2	3	1	6	8	8	3	0	0
	Nutts Corner H	0	0	0	0	0	4	12	7	8	0	0	0	15	15	1	0	0	4	10	11	3	1	1
		0	0	0	0	0	1	8	8	7	7	0	0	20	11	0	1	1	3	11	9	4	2	1
		0	0	0	0	0	1	6	7	6	11	0	1	20	10	0	1	1	4	7	11	3	3	1
		0	0	0	0	0	6	8	9	6	2	0	3	14	13	1	2	0	8	7	9	3	1	0

H *See* Notes on Tables in the Introduction.

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, MARCH, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	373	28	13	11	162·4	31	182	26	13	11	91·7	31	438	28	18	11	192·4	31
Eskdalemuir	358	15	31	11	168·6	31	187	23	31	11	117·7	31	361	15	39	11	178·8	31
Cambridge	467	26	43	8	210·4	31	253	31	41	8	128·5	28	–	–	–	–	–	–
Kingsway	382	26	27	8	184·6	30	218	31	26	8	119·8	30	377	28	35	8	202·8	31
Kew	375	28	13	8	190·7	31	218	31	13	8	114·1	31	408	28	24	8	217·9	31
Aberporth	488	28	89	1	248·4	31	306	23	81	1	189·1	31	–	–	–	–	–	–

TABLE VIII—NUMBER OF DAYS IN MARCH, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	3	27	1	0	0	0	0	0	0	0	1	26	4	0	0
Stornoway	0	1	20	10	0	0	0	0	0	0	0	3	14	14	0	0
Craibstone	0	3	17	11	0	0	0	0	0	0	0	1	28	2	0	0
Rothesay	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Renfrew	0	0	14	17	0	0	0	0	0	0	0	4	15	12	0	0
Eskdalemuir	0	3	20	8	0	0	0	0	0	0	1	3	24	3	0	0
Douglas	0	0	24	7	0	0	0	0	0	0	0	0	16	15	0	0
Cockle Park	0	3	14	14	0	0	0	0	0	0	0	2	28	1	0	0
Gorleston	0	1	17	13	0	0	0	0	0	0	0	0	26	5	0	0
Cambridge	0	2	6	20	3	0	0	0	0	0	0	3	22	6	0	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	4	11	16	0	0	0	0	0	0	0	0	22	9	0	0
Kew Observatory	0	1	6	22	2	0	0	0	0	0	0	0	17	14	0	0
Hastings	0	1	15	15	0	0	0	0	0	0	0	1	11	19	0	0
Southampton	0	0	5	24	2	0	0	0	0	0	0	0	17	14	0	0
Stonyhurst	0	2	14	15	0	0	0	0	0	0	0	2	22	7	0	0
Bidston Observatory	0	1	14	16	0	0	0	0	0	0	0	0	20	11	0	0
Holyhead (Valley)	0	0	10	21	0	0	0	0	0	0	0	0	14	17	0	0
Falmouth	0	0	8	23	0	0	0	0	0	0	0	0	12	19	0	0
Aldergrove	0	1	13	17	0	0	0	0	0	0	0	4	13	14	0	0
Armagh	0	1	7	22	1	0	0	0	0	0	0	0	20	11	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER NUMBER OF DAYS									BRIGHT SUNSHINE	
				Means of				Highest Maximum and Lowest Minimum						Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
		Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.			Amount	Date	·01in. (0·2mm.) or more	·04in. (1·0mm.) or more									
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1958																													
January	Crask	999	740	37·0	26·9	31·9	–	51	28,29	5	3	–	–	5·82	–	·73	8	29	23	14	16	2	0	3	19	24	5	–	–
February	Kingsway	"	–																									1·51	
March	Aberdeen	999	170		29·9																								
April	Clacton	999	53																									5·75	102
	Alice Holt Lodge	999	378																									4·73	
August	Bodiam	999	73																									4·16	
	Morecambe	999	24																	0		0	1						
	Prestatyn	999	12																									3·66	
November	Camborne (Rosewarne)	999	250																									2·18	
December	Rothesay	999	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1·09	112
	Hartland Point	21-99	298											4·00															
1959																													
January	Tarbert	999	100	44·5	–	–	–	54	29	–	–	–	–	1·80	–	·57	1	12	12	3	2	0	0	0	–	–	0	–	–
	Fortrose	999	69				-4·7																						
	Fort William	999	34	39·5																									
	Fort Augustus	999	70																									1·10	S
	Inverness	999	13																									1·31	
	Nairn	999	20		29·2	33·6	-4·8			22	15,16,22														24				
	Ampleforth	999	313											2·23	77			14	14										
	Leicester	999	267																									2·02	
	Mickleham	999	179	41·7	28·5	35·1																				24			
	Bognor Regis	999	24	43·5	32·8	38·1	-2·9	51	1	25	14	–	45·6	3·28	104	·71	5	15	12	5	4	1	0	1	19	22	1	3·31	154
February	Tarbert	999	100	46·9	–	–	–	53	22,25	–	–	–	–	2·18	–	·40	23	14	12	0	0	2	0	0	–	–	0	–	–
	Glenlee	999	181	45·1	32·0	38·5	–	53	16,22,26	14	3	–	–	2·16	–	·52	14	17	11	0	0	0	0	3	14	12	0	–	–
	Chesterfield	999	298		33·5	38·7																			15				
	Westminster	999	27		36·3	40·9	-0·5																						
	Woolhampton	999	370	44·3	33·3	38·8	–	61	28	26	19	37·9	–	·26	15	·20	9	6	1	0	0	0	0	10	16	11	0	–	–
	Winchester	999	124	45·3	32·4	38·9	–	61	28	25	6,19,20	–	44·3	·10	4	·10	9	1	1	0	0	0	0	6	16	13	0	2·15	– S
	Wallasey	999	57	46·2	36·3	41·3	–	62	27	23	3	–	–	·22	–	·08	21	4	3	0	0	0	0	13	10	–	0	1·50	–
	Gulval	999	50	50·2	41·3	45·7	+1·3	56	24,27	31	19	–	–	·32	–	·21	9	4	3	–	0	–	–	2	2	–	–	2·84	106

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22 SEP 1959
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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

3 8078 0006 6334 6

Volume 76 Number 4 Published by Her Majesty's Stationery Office

April 1959—*Mild and rather wet*

The month began with relatively high pressure over the British Isles but after the first few days depressions approached the country first from the north-west, then from the west and later from the south-west. Pressure rose rapidly over the country on the 17th and an anticyclone dominated the situation for about a week until it was displaced by a westerly type on the 24th. The remainder of the month was mostly cyclonic in character.

The first four days were fine and warm in most districts as a ridge of high pressure moved across the southern half of the British Isles and the North Sea to the Continent, although weak fronts gave some rain in the west and north, and fog was prevalent on the east coast. Ground frost occurred locally at night chiefly in central and eastern districts, but the afternoons were warm and there was a good deal of sunshine; on the 4th temperature rose into the upper sixties in parts of southern England and reached 72°F. in the Channel Islands.

A vigorous depression, associated with a developing upper trough, moved south-east from Iceland on the 6th and strong north-west winds spread over the whole of the British Isles; wind reached gale force in places in the north-west and there were gusts of over 60 kt. in west Scotland. Weather became cool and changeable with rain or showers alternating with sunny periods. Winds moderated on the 8th, but pressure remained low over the North Sea and the showery weather, with local hail and thunder, continued until the 10th. The weather became colder and the showers turned to sleet and snow in many midland and northern districts on the 7th and 8th.

On the 10th an upper level high cell formed in the Denmark Strait and the upper westerlies across the Atlantic were largely confined to the area south of 50°N. The North Sea depression moved away east and on the 11th a depression from the Atlantic brought rain to the whole of the British Isles and a change to milder conditions with south-westerly winds. Temperature remained above 50°F. in many parts of the country throughout the night of the 12th/13th and exceeded 70°F. during the afternoon at several places in eastern England on the 13th and 14th.

On the 14th a vigorous depression from the Atlantic, with severe gales in its circulation, was situated to the south-west of the British Isles, and a belt of rain, heavy and thundery at times, spread north-eastwards over the country during the evening as the depression moved northward off the coast of Ireland. At Scilly and Lizard mean hourly wind speeds were between 22 and 33 kt. for 14 and 16 consecutive hours respectively with a maximum of 32 kt. at both places.

On the 16th a small depression from the south-west became slow moving over France and although weather in Scotland and Northern Ireland was mostly sunny and warm, over a large part of the country it was the wettest day of the month; many places in the Midlands and south-west England had over 1 in. of rain in 24 hr. and in Wales and Somerset there were local falls of more than 2 in. in that time.

Pressure rose steadily over the British Isles during the next two days and, although there were outbreaks of rain on the 17th in the northerly airstream behind the depression, weather gradually became more settled and dry, and on the 19th a belt of high pressure extended north-south over the country. By the 21st an anticyclone moving from the south-west, became centred over southern England and temperatures rose above average everywhere. Morning fog formed in parts of central and southern England on the 22nd and 23rd and continued to affect some coastal districts throughout the day but otherwise weather was generally fine and warm until the 24th.

On the evening of the 24th a trough of low pressure brought rain to all districts and the following day an active wave depression moved northwards over the Irish Sea giving more than 1 in. of rain in 24 hr. in many parts of south-west England and western Scotland, and gale force winds locally.

The remainder of the month was showery with thunderstorms and outbreaks of rain but with good sunny periods. A developing ridge on the 30th brought a mainly fine end to the month with more than 13 hr. of sunshine at many places.

Pressure and Wind. Mean pressure was everywhere below the average, the deficit at 9h. ranging from 6.7 mb. at Stornoway to 3.9 mb. at Shoeburyness. Winds were variable but mainly south-westerly at first becoming predominantly north-westerly from 4th to 10th and then mainly between south and south-west until the 15th. From 16th-19th they were mainly northerly, but variable on the 20th and 21st, becoming mainly south-westerly until the 27th and mostly northerly during the last three days of the month.

Gales occurred in England and Wales on 6th-8th, 10th-15th, 17th, 18th, 24th-26th and 30th, and in Scotland on 4th-8th, 13th-15th, 25th and 26th. On the 6th gusts of 67, 66 and 63 kt. were recorded at Benbecula, Tiree and Bidston Observatory respectively.

Temperature. Mean temperature exceeded the 1921-50 average by 2.2°F. in England and Wales, 1.8°F. in Scotland and 1.1°F. in Northern Ireland. The 14th was one of the warmest days of the month with temperature rising to 68°F. at Edinburgh and Kelso and to 71°F. at several places in eastern England. The month was remarkably free from air frosts. Extreme temperatures included:- (England and Wales) 71°F. at Herne Bay on the 13th and at several places in eastern England on the 14th, 20°F. at Moor House on the 30th; (Scotland) 69°F. at Sourhope on the 14th, 21°F. at Dalwhinnie and Kincraig on the 19th and at Carsphairn on the 4th; (Northern Ireland) 62°F. at Armagh on the 21st and at Ballykelly on the 23rd, 28°F. at Loughgall on the 4th.

Precipitation. The general precipitation expressed as a percentage of the 1916-50 average was 130 over England and Wales, where it was the wettest April since 1935, and 123 over Scotland and Northern Ireland. Less than the average occurred around the Thames estuary, over much of East Anglia and the east Midlands as far north as the Humber, over much of Ayrshire and northern Lanarkshire and in Co. Down and eastern Antrim. Twice the average was exceeded in the Wrexham area and in Lewes.

Thunderstorms were more frequent than is usual during April and occurred on the 6th, 8-10th, 14th, 15th, 27th, and 28th in England and Wales and on the 17th, 21st and 29th as well in Scotland; they were most widespread on the 14th and 27th.

Snow and sleet showers were widespread in Scotland on 6-10th and 28-30th, they were fairly widespread in England on the 7th and also occurred locally on 6-10th, 18th and 19th.

Sunshine. The general sunshine expressed as a percentage of the 1921-50 average was 98 in England and Wales, 96 in Scotland and 104 in Northern Ireland. It was mainly above average in the Midlands, north-east England and east Scotland but mainly below elsewhere, and ranged from 76 per cent. at Aber to 124 per cent. at Hull and Marchmont.

Fog. Fog occurred on 8 days in Scotland and on the 1st-4th, 16th, 17th and 21st-24th in England and Wales.

Miscellaneous phenomena. The aurora was observed in Scotland on 20 nights, 1-13th, 23rd, 24th and 26th-30th.

Meteorological Office, Air Ministry: Sir Graham Sutton, C.B.E., D.Sc., F.R.S., Director General.

MWR dup

TABLE I—DISTRICT VALUES— APRIL, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	64	21	+1·6	+1·7	+1·7	—	—	145	+3	91
Eastern										
1 SCOTLAND, E.	69	23	+2·4	+2·3	+2·4	—	—	129	+1	106
2 ENGLAND, N.E.	69	23	+2·7	+1·9	+2·3	+2·3	+0·9	137	+1	107
3 ENGLAND, E.	71	30	+1·9	+2·8	+2·3	+1·9	+1·1	102	+3	100
4 MIDLAND COUNTIES	69	29	+2·0	+2·8	+2·3	+2·0	+1·6	144	+2	103
5 ENGLAND, S.E.	71	29	+2·1	+3·3	+2·7	+2·5	+1·6	115	+2	97
Western										
6 SCOTLAND, W.	67	21	+1·2	+1·4	+1·3	+1·9	+0·8	124	+4	92
7 ENGLAND, N.W. (*and N. Wales*)	68	20	+1·2	+2·3	+1·8	+1·7	+1·3	152	+2	91
8 ENGLAND, S.W. (*and S. Wales*)	69	29	+1·2	+2·2	+1·7	+2·1	+1·1	135	+2	92
NORTHERN IRELAND	62	28	+0·9	+1·3	+1·1	—	—	—	+2	104

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— APRIL, 1959 [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	16	123	353	185	59	0	13·8	290	31	29 15	44	5	2255
Orkney Grimsetter	135	51	33	–	0	4	38	328	290	64	0	11·2	190	33	4 12	52	6	2215
Caithness Dounreay ...	112	41	33	–	0	9	61	352	226	77	6	12·1	290	32	6 20	55	6	1915
Ross & Cromarty																		
Stornoway (Coastguard)	120	40	36	30	2	13	97	313	252	56	0	12·8	190	35	30 14	54	6	1405
Inverness Benbecula	69	51	35	6.15.26	12	15	116	381	196	15	0	15·3	310	38	6 18	67	6	0855
1 Aberdeen Dyce	225	40	40	–	0	3	11	211	233	265	0	7·3	300	25	7 06	38	7	0720
Angus Bell Rock Lighthouse	128	131	124	26	1	16	99	319	210	91	0	12·9	190	34	26 10	48	5	1950
Perth Rannoch	1006	56	57	≠														
Fife Leuchars	79	41	41	–	0	5	8	206	283	223	0	7·5	300	24	6 16	38	26	1045
Midlothian Edinburgh	485	39	23	–	0	7	22	259	296	143	0	9·4	220	29	6 01	50	5	2350
6a Argyll Tiree	89	60	47	6. 7.15	12	18	143	316	182	67	0	14·6	300	38	6 13	66	6	1145
Bute Millport	50	34	34	–	0	7	21	250	287	162	0	9·1	170	30	26 02	45	26	0105
Renfrew Paisley	188	81	31	–	0	1	1	127	349	243	0	6·3	180	23	24 14	52	6	1210
Renfrew	71	41	39	–	0	6	19	264	216	221	0	8·2	200	31	24 14	50	6	1555
Ayr Prestwick Airport	35	33	33	–	0	4	21	333	265	101	0	10·1	280	27	6 16	49	6	1230
Dumfries Eskdalemuir ..	825	50	35	–	0	6	37	179	246	258	0	7·5	200	28	26 05	50	26	0535
ENGLAND and WALES																		
6b Isle of Man Point of Ayre ..	70	40	35	–	0	10	45	282	285	108	0	10·3	300	33	6 17	53	6	2055
2 Durham Durham	399	53	33	–	0	4	11	179	250	270	10	7·0	240	26	12 12	57	6	1245
South Shields ..	73	57	44	–	0	2	9	247	338	124	2	8·5	355	24	18 06	44	26	0851
Yorks.,E.R. Spurn Head ..	64	44	34	–	0	7	47	259	350	28	36	10·4	200	31	25 19	41	25	1850
Lincoln Cranwell	288	47	47	–	0	5	12	241	229	238	0	8·0	260	28	6 14	48	6	1325
3 Norfolk Gorleston	52	42	34	*														
Suffolk Mildenhall	98	83	60	–	0	1	1	267	325	127	0	8·8	270	23	8 12	42	6	1735
Felixstowe	85	75	65	–	0	6	26	317	206	171	0	10·0	170	30	25 19	49	6	1900
Bedford Dunstable	567	55	33	–	0	0	0	285	292	143	0	8·4	300	21	7 01	31	25	1600
Cardington	285	150	135	–	0	8	37	300	195	188	0	10·0	220	28	8 10	47	6	1730
Herts. Stevenage	564	111	65	–	0	7	41	307	233	139	0	10·5	170	26	25 17	43	25	1540
Essex Coryton	66	57	48	–	0	0	0	224	407	89	0	8·2	160	20	25 16	40	15	1435
Shoeburyness ..	115	104	89	–	0	8	37	303	286	94	0	10·4	190	33	25 20	44	25	2105
4 Yorks.,W.R. Sheffield	533	83	35	–	0	0	0	181	371	168	0	7·3	180	20	26 10	48	7	2255
Leicester Leicester	266	66	45	**														
Warwick Birmingham ..	643	118	73	–	0	1	1	272	385	62	0	8·8	180	22	25 19	43	25	1840
Stafford Keele	706	50	40	–	0	0	0	155	305	260	0	6·5	180	21	13 12	54	6	2045
Gloucester Avonmouth ..	92	61	33	–	0	12	68	313	157	182	0	10·8	310	29	6 20	46	14	1745
5 London Kingsway	231	160	40	–	0	0	0	142	368	210	0	6·6	260	17	8 11	28	8	1710
Middlesex Hampton	139	101	100	–	0	0	0	250	288	182	0	8·0	200	21	25 19	41	8	1030
Surrey Kew Observatory ..	92	75	50	–	0	0	0	239	356	125	0	8·2	190	20	25 19	45	6	2000
Kent Isle of Grain ..	48	40	33	–	0	1	3	189	270	232	26	6·9	180	23	25 16	42	25	1830
Dungeness ..	70	50	33	**														
Dover	66	36	60	–	0	4	20	257	303	140	0	9·1	360	27	30 08	48	30	0810
Sussex Thorney Island ..	75	65	42	–	0	1	6	200	252	262	0	6·9	190	25	25 18	39	25	1805
Hants. Southampton (Eastleigh)	95	60	41	–	0	2	9	262	288	161	0	8·6	190	29	25 17	47	25	1720
S. Farnborough ..	318	69	35	–	0	0	0	105	304	311	0	5·3	250	20	8 03	38	8	1410
Berks. Abingdon	295	40	40	–	0	1	1	293	234	192	0	8·5	170	22	25 15	39	6	1250
Wiltshire Larkhill	491	51	36	–	0	4	11	269	266	174	0	8·8	180	25	25 15	46	25	1820
Porton	406	44	44	–	0	7	27	295	253	145	0	9·8	190	30	25 16	45	25	1450
7a Cumberland Sellafield	83	39	35	–	0	3	12	183	271	228	26	7·3	230	27	26 04	46	6	1325
Westmorland Moor House ..	1960	50	45	# 1.5.6.12.25	35	22	229	273	61	45	77	19·0	–	42	26 09	58	26	0740
Lancashire Southport	63	45	36	6.	1	6	66	211	254	188	0	9·7	280	34	6 18	48	7	2300
Speke	180	100	65	–	0	13	89	303	239	89	0	12·1	230	30	26 10	51	6	2205
Cheshire Bidston Observatory	262	64	39	–	0	4	24	185	313	198	0	–	280	25	6 07	63	6	1810
Manchester Airport	318	70	30	–	0	6	22	279	291	128	0	9·4	270	26	6 15	50	6	2250
7b Anglesey Holyhead (Valley)..	76	50	40	25. 26.	7	13	110	269	243	91	0	12·4	210	36	25 20	50	25	2002
8a Cardigan Aberporth	483	41	41	–	0	10	78	308	207	127	0	11·9	320	31	6 23	52	6	2115
Pembroke Kete	249	49	37	ø														
Milford Haven ..	246	50	35	–	0	3	11	268	289	138	14	9·2	270	23	25 21	47	25	2040
Glamorgan Port Talbot ..	91	40	35	–	0	6	40	370	270	40	0	11·7	340	27	7 05	46	8	0140
8b Devon Plymouth	191	88	65	14. 25.	4	8	58	276	270	112	0	10·8	–	36	25 14	45	25	1355
Cornwall St. Mary's, Scilly ...	230*	65	57	–	0	13	134	338	199	49	0	13·6	160	32	14 15	51	14	1710
The Lizard	315	75	60	25.	1	14	168	297	185	69	0	14·5	210	34	25 14	51	8	0345
NORTHERN IRELAND																		
Londonderry Ballykelly ..	52	50	35	–	0	6	35	277	294	114	0	10·0	300	32	6 14	54	6	1225
Antrim Aldergrove ..	281	65	55	–	0	7	31	276	297	116	0	9·9	160	28	13 16	57	6	1310
Nutts Corner ..	344	31	31	–	–	–	–	–	–	–	–	–	310	28	6 15	56	6	1320
CHANNEL ISLES																		
Jersey Airport ..	359	86	50	–	0	10	71	371	239	39	0	13·1	270	30	6 21	42	7	0015

* Anemograph dismantled for erection.
** Anemograph out of order
ø Incomplete Record
≠ Record Defective
Also on 26

MONTHLY WEATHER CHARTS — APRIL 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50

1004 1005 1006 1007 1008 1009 1010
1010 1011 1012 1013 1014

2. MOVEMENTS OF DEPRESSIONS

03/84 04/82 20/14 27/90 24/89 05/74 30/93 07/80 25/91 29/92 06/64 07/78 02/09 16/84 14/72 13/68 15/62 26/78 08/76 27/95 28/94 07/81 25/86 11/78 12/75 25/87 30/05 14/50 16/85 28/02 27/02 29/97 28/02 15/02

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

3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.

51 49 47 45

Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY

6·0 5·0 4·0

A.M.Form 1483

C.B.H.26456-WL.44536-Dd.8K.2328-125-9/55

RAINFALL
APRIL 1959

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

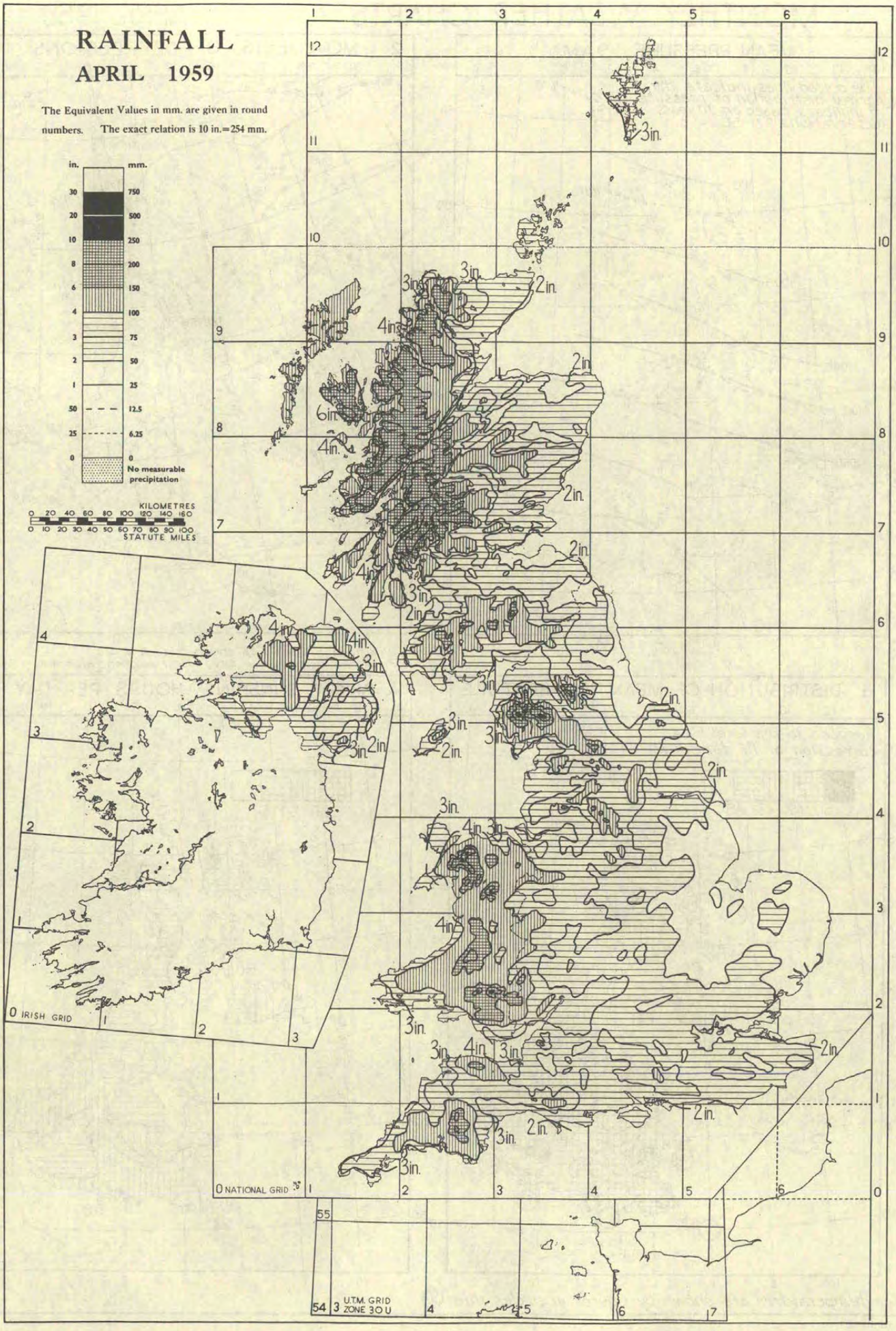

TABLE III —SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n .01in.(0·2mm.) or more	Precip'n .04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21-9 9	269	48·0	40.0	44·0	+2·5	54	13,14	33	30	–	–	3·01	111	·45	25	24	19	2	0	2	0	2	0	4	0	3·84	87
	Baltasound ...	9 9 9	78	49·2	39·9	44·5	–	55	24	33	9	43·4	–	3·40	115	·48	28	25	22	3	0	0	0	0	0	–	0	3·58	–
Orkney	Sule Skerry ...	9 9 9	43	48·4	42·3	45·3	–	53	16	37	7, 8	–	–	3·09	–	·37	27	24	19	0	0	2	0	0	0	0	0	–	–
	Grimsetter ...	21-9 9	84	50·2	39·3	44·7	–	58	14	32	8	–	–	2·40	92	·38	28	22	14	4	0	4	0	0	1	4	0	4·80	–
Caithness	Wick ... ¶§	21-9 9	119	50·1	39·3	44·7	+1·7	58	14	30	30	–	–	1·94	96	·43	25	21	12	1	0	8	0	0	1	4	0	5·04	·106
Sutherland	Cape Wrath ...	21-9 9	367	48·1	40·8	44·5	–	59	15	32	8	–	–	2·87	95	·39	25	22	17	2	0	0	0	2	1	0	1	–	–
	Lairg (Achany) ...	9 9 9	240	52·8	35·6	44·2	–	62	23	25	19	44·3	42·4	3·78	–	·55	28	21	18	4	0	0	0	0	5	16	0	–	–
	Crask	9 9 9	740																										
	Strathy	9 9 9	120	52·0	37·3	44·7	–	62	14	30	8,11,30	–	–	2·76	–	·39	25,28	24	17	3	0	0	0	0	3	–	0	3·44	–
Ross & Cromarty	Stornoway ¶§	21-9 9	11	50·4	40·0	45·2	+1·0	56	14,16,23	29	30	–	–	5·36	230	1·74	27	23	18	2	0	7	0	0	2	1	1	4·33	89
	Achnashellach ...	9 9 9	220	51·7	38·7	45·2	+1·0	61	14	30	30	–	–	7·43	133	1·07	28	27	22	–	0	–	0	1	–	–	–	–	–
	Kinlochewe ...	9 9 9	76	53·4	39·3	46·3	–	63	23	31	19	–	–	5·97	–	1·11	5	24	18	4	0	0	0	0	2	7	0	2·53	– S
	Garve (Inchbae)	9 9 9	526	51·3	34·5	42·9	–	62	23	24	19	–	–	4·31	–	·61	6	26	19	1	0	0	0	0	10	12	0	–	–
	Fortrose ... ¶§	9 9 9	69	50·6	41·8	46·2	+1·4	60	23	35	7, 8	–	–	2·77	167	·39	7	21	15	1	0	0	1	0	0	–	0	4·09	87
	Tarbatness ...	21-9 9	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Inverness	Benbecula ...	21-9 9	19	50·3	41·7	46·0	–	56	17, 23	33	30	–	–	4·47	175	·53	30	23	18	4	0	5	0	0	0	3	2	4·98	–
	Isle of Rhum ...	9 9 9	15	52·7	41·4	47·1	–	59	14, 23	30	30	48·3	46·4	6·48	–	·92	24	20	17	2	0	2	0	0	1	6	0	–	–
	Duntulm ...	9 9 9	294	50·1	40·8	45·5	–	59	14	34	7	–	–	4·74	139	·76	13	22	19	3	0	2	0	1	0	2	1	4·16	–
	Onich ... §	9 9 9	48	52·3	40·6	46·5	–	62	14	32	30	–	–	5·88	123	·76	2	24	23	2	0	1	0	0	1	5	0	3·37	84 S
	Fort William ¶	9 9 9	34	53·6	41·2	47·4	+1·8	64	14	34	30	46·9	45·6	6·00	126	·91	5	25	22	1	0	1	1	0	0	0	0	3·18	–
	Fort Augustus ...	9 9 9	70	53·0	39·4	46·2	+1·8	63	23	30	19	–	–	3·90	–	·39	5	22	19	1	0	0	0	0	1	–	3	3·09	–
	Cannich	9 9 9	350	52·8	–	–	–	62	14	–	–	–	–	4·11	–	·58	5	24	18	2	0	0	0	0	–	–	0	–	–
	Dalwhinnie ...	18-9 9	1176	49·8	35·6	42·7	–	58	14, 23	21	19	–	–	3·43	112	·41	13	22	20	6	0	0	0	0	7	14	0	3·21	–
	Inverness ...	9 9 9	13	52·9	38·6	45·7	–	63	14,23	32	5, 19	–	–	2·74	–	·45	25	19	14	1	0	1	0	0	2	2	0	4·36	–
	Kincraig	9 9 9	780	52·1	33·6	42·9	–	62	23	21	19	–	–	1·89	–	·23	6,7	22	13	–	0	–	–	0	14	17	–	–	–
	Glenmore Lodge	9 9 9	1000	49·6	34·8	42·2	–	59	23	28	2,11,19	–	–	2·81	–	·39	25	22	17	6	1	5	1	0	13	14	0	4·22	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	53·2	39·4	46·3	+1·5	64	14	32	11	–	–	2·26	141	·40	25	11	11	1	0	0	0	0	1	10	0	4·37	95
Moray	Grantown-on-Spey	9 9 9	720	52·4	35·4	43·9	–	64	23	28	2, 4,11	–	–	1·76	–	·31	7	17	13	–	0	–	–	0	9	11	–	–	–
	Forres	9 9 9	155	53·0	39·2	46·1	–	64	14	32	11	46·5	44·3	1·75	113	·33	11	18	10	2	0	1	0	0	1	4	2	3·63	–
	Kinloss ...	21-9 9	15	52·6	39·3	45·9	–	64	14	30	11	–	–	1·83	–	·35	11	19	11	2	0	1	0	0	1	8	0	4·30	–
	Findhorn ...	9 9 9	20	52·5	40·5	46·5	–	63	14	33	11	–	–	1·91	–	·29	11,25	20	12	1	–	1	0	–	0	2	0	–	–
	Elgin	9 9 9	92	53·3	40·5	46·9	–	64	14	31	11	–	–	1·78	–	·36	11	16	11	0	0	0	0	0	1	1	0	4·40	–
	Gordon Castle ...	9 9 9	104	53·7	38·7	46·2	+1·4	64	14	31	9, 11	–	–	1·75	96	·44	11	19	12	–	0	–	–	–	2	–	0	3·99	90
Banff	Glenlivet... ...	9 9 9	1085	50·3	34·4	42·3	–	60	14	23	11	41·3	–	2·45	94	·41	10	23	13	6	1	2	0	0	14	19	2	4·05	–
	Banff	9 9 9	80	52·1	40·7	46·4	–	63	24	30	9	–	–	1·81	–	·28	11	18	11	1	0	1	0	0	1	1	0	4·81	–
Aberdeen	Braemar	9 9 9	1113	–	–	–	–	–	–	–	–	–	–	2·65	118	·70	25	21	12	2	0	–	–	–	–	–	–	3·51	– S
	Balmoral... ...	9 9 9	927	50·8	35·0	42·9	+1·7	61	23	27	4	–	–	2·53	113	·67	25	21	12	2	1	1	0	–	10	14	0	–	–
	Logie Coldstone	9 9 9	608	52·6	35·6	44·1	+1·2	62	23	29	9,11,12	–	–	1·53	–	·37	25	19	8	1	0	1	0	–	12	–	0	–	–
	Fyvie Castle ...	9 9 9	218	53·1	38·6	45·9	–	62	14	29	4, 9	–	–	1·42	–	·33	11	16	11	0	0	0	0	–	5	10	–	4·25	–
	Craibstone ¶§	9 9 9	300	51·4	39·1	45·3	+2·1	58	14,16,24	32	4	44·9	43·0	3·08	140	·63	25	17	15	1	0	1	0	0	1	3	0	4·85	101
	Dyce	21-9 9	190	52·7	38·7	45·7	–	60	23	28	4	–	–	2·81	123	·57	25	17	14	2	0	4	0	0	3	9	0	4·96	–
	Aberdeen ...	9 9 9	170	52·3	39·9	46·1	–	59	12	31	4,9	–	–	2·48	112	·75	25	20	11	2	0	0	0	1	2	9	0	4·97	–
	Udny	9 9 9	363	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Rattray Head ...	21-9 9	85	50·1	40·5	45·3	–	57	14, 24	33	4	–	–	2·14	120	·61	28	18	12	0	0	0	0	0	0	–	2	5·47	–
Kincardine	Fettercairn ...	9 9 9	560	51·7	37·3	44·5	–	60	23	29	4	–	–	2·63	–	·61	25	20	16	1	0	0	0	1	2	16	3	4·26	–
	Stonehaven ...	9 9 9	12	52·4	39·0	45·7	–	59	3	29	4	–	–	3·04	154	·73	25	20	16	0	0	1	0	1	3	–	0	5·16	–
	Muchalls ...	9 9 9	210	51·3	38·9	45·1	–	58	12	31	4	–	–	2·50	–	·74	25	19	13	0	0	0	0	0	1	12	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	54·4	39·3	46·9	–	62	22, 23	31	4	45·9	44·0	1·90	–	·42	25	21	14	0	0	1	0	0	2	12	0	5·24	–
	Dundee ... ¶	9 9 9	147	55·4	40·8	48·1	+3·3	65	23	34	9	47·1	–	2·51	144	·45	25	23	17	1	0	2	1	–	0	12	0	–	–
	Glamis Castle ...	9 9 9	200	53·2	37·3	45·3	–	63	23	29	9, 19	–	–	2·93	–	·59	25	22	17	0	0	1	2	0	5	12	0	–	–
	Buddon Ness ...	9 9 9	15	54·0	38·3	46·1	–	61	22	28	11, 24	–	–	2·47	144	·43	8	20	14	0	–	0	0	0	5	–	0	–	–
	Carnoustie ...	9 9 9	29	55·7	40·6	48·1	–	63	23	34	4, 9,10	48·8	–	2·55	143	·55	8	18	13	0	0	3	0	0	0	6	0	5·91	–
	Arbroath... ...	9 9 9	95	52·5	39·9	46·2	+1·4	59	22	34	7, 9	–	–	2·18	141	·53	8	19	13	0	0	0	0	0	0	5	0	6·13	115
	Montrose... ...	9 9 9	200	51·5	39·1	45·3	–	59	24	31	9	–	–	1·93	104	·63	25	20	15	0	0	0	0	0	1	–	0	–	–
Perth	Strathyre ...	9 9 9	425	53·1	36·9	45·0	–	61	24	30	4, 11	46·2	44·2	6·19	–	1·10	25	23	18	0	0	1	0	0	4	9	0	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	53·3	38·6	45·9	–	62	13	31	18	–	–	4·24	–	1·00	25	23	20	2	0	4	1	0	1	8	0	–	–
	Pitlochry ...	9 9 9	473	53·1	36·8	44·9	–	62	23	27	4	–	–	2·64	–	·55	25	23	18	0	0	3	1	0	6	10	0	3·97	–
	Pitlochry (Faskally)	9 9 9	310	54·0	37·9	45·9	–	62	23	29	4, 19	46·3	43·6	2·73	–	·71	25	23	18	0	0	3	1	0	4	12	0	–	–
	Perth	9 9 9	77	55·1	39·4	47·3	+1·8	63	14,15,23	30	19	–	–	2·41	140	·45	25	21	13	0	0	1	0	0	2	10	0	4·71	99
	Blairgowrie ...	9 9 9	200	54·6	36·4	45·5	–	64	23	26	4	45·6	–	2·38	–	·43	25	23	13	0	0	3	2	0	11	13	0	–	–
	Glenshee Lodge	9 9 9	1100	50·0	34·3	42·1	–	61	23	23	4	–	–	3·52	–	·68	11	22	15	3	0	3	1	0	11	14	0	–	–
Fife	Kirkcaldy ...	9 9 9	137	53·9	40·4	47·1	+1·8	63	23	30	4	–	–	2·12	128	·37	11	17	12	0	0	3	0	0	2	6	0	4·66	–
	Cupar	9 9 9	82	54·7	38·3	46·5	–	64	23	29	9	46·2	–	2·61	–	·44	25	16	13	0	0	2	0	0	3	14	0	–	–
	Lundin Links ...	9 9 9	40	53·1	41·2	47·1	–	59	22, 23	33	7	–	–	1·79	–	·38	30	15	11	0	0	0	0	0	0	–	0	5·40	–
	Leuchars... ...	21-9 9	33	54·7	41·1	47·9	+2·9	64	23	33	4, 9	–	–	2·07	135	·46	25	19	11	0	0	1	0	0	0	6	0	5·68	110
	St. Andrews ...	9 9 9	13	54·2	39·3	46·7	+1·9	64	23	32	2,9, 19	47·7	45·7	2·52	159	·46	25	18	13	–	0	–	–	0	3	9	0	5·53	109
Midlothian	Balerno	9 9 9	700	52·9	38·0	45·5	–	64	14	28	19	–	–	2·38	–	·39	8	19	15	–	0	–	–	–	3	11	–	4·84	–
	Midcalder ...	9 9 9	400	52·7	38·8	45·7	–	64	14	29	9, 19	–	–	2·10	–	·32	25	20	12	0	0	0	0	0	4	8	0	4·39	– S
	Turnhouse ...	21-9 9	114	54·6	39·7	47·1	–	66	14	30	4, 9,19	–	–	1·51	95	·35	25	19	10	0	0	2	1	0	4	11	0	4·68	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	54·0	40·1	47·1	–	67	14	31	9, 19	–	–	1·64	–	·41	25	18	9	0	0	1	1	0	4	9	0	–	–
	Davidson's Mains	9 9 9	200	54·5	40·6	47·5	–	68	14	32	4, 9	–	–	1·72	–	·46	25	17	9	1	0	3	1	0	2	9	0	4·33	–
	Penicuik ...	9 9 9	620	52·7	37·9	45·3	–	65	14	28	4, 19	45·1	–	2·16	–	·40	17	19	15	3	0	2	1	0	5	7	0	4·41	– S
	Bush House ...	9 9 9	605	51·8	38·3	45·1	–	64	14	28	19	44·7	43·1	1·78	–	·37	8	19	14	0	0	0	0	1	5	9	0	4·05	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	53·3	41·8	47·5	+3·0	64	14	33	7	–	–	1·87	115	·44	17	18	11	0	0	0	0	0	0	4	0	4·74	103
	Liberton ...	9 9 9	200	54·1	41·3	47·7	–	66	14	33	4, 19	–	–	1·73	–	·43	17	11	10	–	0	–	–	1	0	–	–	4·74	–
	Botanic Garden	9 9 9	74	54·9	40·3	47·6	–	68	14	31	4	47·2	–	1·81	–	·45	25	15	9	0	0	0	0	0	2	12	0	4·78	–
E. Lothian	Haddington ...	9 9 9	162	54·2	40·3	47·3	–	65	14	29	4	–	–	1·35	–	·43	17	14	8	1	0	1	1	0	2	4	0	5·13	–
	North Berwick ...	9 9 9	51	54·3	41·3	47·8	+2·5	63	14	34	4	–	–	1·66	114	·47	8	14	11	1	0	0	0	0	0	–	0	4·77	99
	Dunbar	9 9 9	75	53·6	42·5	48·1	–	64	14	35	7	–	–	1·35	–	·49	8	10	6	0	0	0	0	0	0	4	0	6·32	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	52·9	38·7	45·8	+1·9	65	14	30	4	–	–	1·95	104	·58	25	16	11	0	0	0	0	0	3	–	–	5·47	124 S
	St. Abb's Head ...	9 9 9	245	50·1	41·6	45·9	–	61	24	35	4,10	–	–	1·85	–	·39	8	13	9	0	0	1	0	0	1	1	–	–	–
Peebles	Broughton ...	9 9 9	741	51·3	37·0	44·1	–	64	14	24	4	–	–	4·29	–	·82	25	21	19	5	0	0	1	0	7	15	1	–	–
	Blyth Bridge ...	9 9 9	830	50·7	38·1	44·4	–	62	14	28	19	–	–	2·56	–	·50	25	21	15	4	0	1	1	0	5	16	0	4·06	–
	West Linton ...	9 9 9	800	51·7	37·7	44·7	–	64	14	27	19	45·2	43·5	2·44	–	·39	25	22	15	2	0	3	1	0	6	6	0	–	–
	Peebles	9 9 9	600	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Selkirk	Selkirk (Bowhill)	9 9 9	600	53·6	37·6	45·6	–	66	14	27	4	–	–	3·00	–	·86	25	18	14	0	0	4	1	0	5	–	1	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560	53·6	36·8	45·2	–	64	14	27	4, 19	–	–	2·83	–	·89	25	18	14	–	0	–	–	0	8	–	–	–	–
	Sourhope ...	9 9 9	900	51·5	37·7	44·6	–	69	14	28	4	–	–	2·47	–	·63	17	15	12	1	0	2	0	0	4	10	0	4·78	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21-9 9	29	51·4	42·4	46·9	+1·3	56	20, 23	33	7	–	–	3·08	118	·41	13	22	18	0	0	2	0	0	0	2	2	5·31	91
	Rhuvaal	21-9 9	47	50·7	42·7	46·7	–	58	14	36	7	–	–	3·44	–	·37	25	20	17	1	0	3	0	0	0	0	3	–	–
	Colonsay ...	9 9 9	87	52·7	41·1	46·9	–	59	17, 23	31	30	–	–	3.32	110	·44	2	24	17	–	–	–	–	0	1	–	–	–	–
	Tobermory ...	9 9 9	150																										
	Loch Shiel (Polloch)	9 9 9	33	52·3	39·3	45·8	–	62	14	28	30	–	–	6·09	–	·74	5	23	21	1	0	3	1	0	2	3	0	–	–
	Tarbert (Achaglachgach)	9 9 9	100	53·5	38·5	46·0	–	62	14	29	30	–	–	4·51	–	1·00	25	22	20	3	0	6	1	0	4	11	0	–	–
	Lephinmore ...	9 9 9	30	53·5	40·5	47·0	–	62	14	32	6, 8	–	–	5·41	–	·68	25	25	23	0	0	0	0	0	2	6	0	3·82	–
	Glenbranter ...	9 9 9	120	53·8	38·3	46·1	+1·2	62	15	29	30	–	–	7·69	129	1·60	25	21	18	2	0	0	0	1	4	9	0	–	–
	Dunoon Waterworks	9 9 9	228	53·6	40·3	46·9	–	61	14, 15	34	7, 10	–	–	6·22	–	·76	5	23	21	–	0	–	–	1	0	3	0	–	–
	Dunoon (Benmore)	9 9 9	46	53·2	38·5	45·9	–	61	14, 23	30	30	46·1	45·8	8·12	146	1·15	25	25	22	0	0	2	1	1	4	12	0	–	–
Bute	Rothesay ¶§	9 9 9	150	–	–	–	–	–	–	–	–	47·1	45·6	4·59	140	·71	25	22	22	1	0	1	0	2	–	–	0	4·63	97
	Millport	9 9 9	16	52·2	42·5	47·3	–	60	14	35	7	–	–	2·93	111	·59	25	20	18	0	0	1	1	0	0	–	4	–	–
Dunbarton	Helensburgh ...	9 9 9	293	53·0	39·5	46·3	+1·3	62	14	33	7,10,11	–	–	3·90	119	·62	11,25	21	19	1	0	3	0	0	0	–	0	3·72	84
Stirling	Stirling	9 9 9	151	54·2	40·3	47·3	+1·4	64	14	32	4	47·4	44·1	3·27	151	·52	11,25	23	18	0	0	0	1	1	1	6	0	–	–
	Falkirk	9 9 9	100	53·9	39·9	46·9	–	65	14	32	9	–	–	3·16	154	(·60)	25	23	19	0	0	0	0	1	1	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	53·2	41·9	47·5	+1·8	63	14	35	7	–	–	4·86	137	1·05	25	21	20	1	0	1	0	0	0	6	0	3·94	– S
	Paisley	9 9 9	106	55·3	41·4	48·3	+1·9	65	14, 23	34	7	48·0	46·3	3·00	121	·71	25	19	13	0	0	0	1	1	0	10	0	4·17	93
	Barrhead ...	9 9 9	97	53·4	39·9	46·7	–	65	14	30	10	–	–	3·46	–	·60	25	21	15	1	0	3	1	0	1	7	1	–	–
	Renfrew ... ¶§	21-9 9	26	54·4	40·1	47·3	+1·9	67	14	30	4	–	–	2·78	120	·65	27	18	13	1	0	4	1	1	3	9	1	4·00	89
Lanark	Thorntonhall ...	9 9 9	453	52·2	38·1	45·1	–	64	14, 15	30	10	–	–	3·00	–	·59	25	22	17	1	0	2	0	–	6	11	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	53·4	40·8	47·1	–	66	14	34	4, 7, 9	–	–	2·16	94	·36	25	21	13	3	0	1	2	0	0	6	0	3·47	–
	Coatbridge ...	9 9 9	256	53·2	40·1	46·7	–	65	14	32	4, 9	–	–	2·47	–	·34	10	18	14	1	0	3	0	0	2	–	0	–	–
	Coalburn ...	9 9 9	920	49·9	36·4	43·1	–	61	14	26	19	43·3	–	4·05	–	·62	25	23	18	2	0	2	0	0	7	12	2	3·91	–
	Leadhills ...	9 9 9	1270	49·2	35·5	42·3	–	60	14	25	4, 19	–	–	5·26	–	1·03	25	22	18	3	0	2	1	1	9	14	0	–	–
	Carnwath ...	9 9 9	706	50·8	37·0	43·9	–	62	14	25	4	–	–	2·57	–	·40	25	21	15	2	0	1	1	0	6	13	2	–	–
Ayr	Colmonell... ...	9 9 9	170	52·7	40·1	46·4	+0·8	60	14, 22	29	4, 10	–	–	2·65	116	·65	27	17	14	–	0	–	–	0	2	10	–	–	–
	Turnberry ...	9 9 9	25	53·8	41·9	47·9	+1·7	63	14	32	10	–	–	1·90	–	·44	7	12	11	–	0	–	–	0	1	–	–	4·77	–
	Largs (Woodbank)	9 9 9	25	55·1	41·3	48·2	–	65	14	33	10	–	–	3·63	128	·78	25	21	17	–	–	–	–	0	0	7	–	–	–
	Barr	9 9 9	400	52·7	37·7	45·2	–	61	14, 23	28	10	–	–	4·13	–	·66	25	21	16	1	0	1	0	0	8	–	0	–	–
	Auchincruive ...	9 9 9	147	53·0	40·4	46·7	–	62	14	32	10	46·6	45·5	1·83	84	·34	25	17	12	1	0	3	2	0	1	–	2	4·63	–
	Prestwick ...	9 9 9	17	52·0	41·8	46·9	–	64	14	31	10	–	–	1·70	89	·35	25	14	11	0	0	2	0	0	1	0	1	4·75	–
	Prestwick Airport	21-9 9	30	53·2	41·1	47·1	–	65	14	32	4, 10	–	–	1·57	77	·30	25	14	11	0	0	2	1	0	2	4	1	4·99	–
	Kilmarnock ...	9 9 9	115	54·0	40·4	47·2	+1·5	63	14	33	7,10,30	47·7	45·4	2·03	–	·36	25	17	12	1	0	1	1	0	0	12	1	–	–
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	50·8	37·3	44·1	–	60	14	25	4	–	–	4·61	–	1·07	25	18	18	–	0	–	–	0	8	12	–	–	–
	Dumfries... ¶§	9 9 9	140	52·9	39·7	46·3	+1·1	62	14	29	4	46·8	45·5	3·00	123	·76	25	20	18	0	–	1	0	0	3	12	0	3·95	87
	Ruthwell... ...	9 9 9	95	54·8	38·5	46·7	+1·5	65	14	27	4	–	–	2·61	131	·70	25	18	16	0	–	0	1	–	8	–	1	4·11	90 S
	Eskdalemuir ¶§	21-9 9	794	51·2	35·5	43·3	+0·8	61	14, 23	21	4	45·4	43·8	4·60	121	1·07	25	24	18	2	0	4	1	0	13	14	0	4·08	97
Kirkcud-bright	Bargrennan ...	9 9 9	360	53·1	36·7	44·9	–	61	14	26	4	–	–	3·95	–	·69	25	19	15	1	0	1	1	1	10	15	0	–	–
	Palnure	9 9 9	50	52·8	36·7	44·7	–	61	14	27	4	–	–	2·86	–	·49	25	19	14	0	0	2	1	1	10	–	4	–	–
	Glenlee	9 9 9	181	54·0	37·1	45·5	–	61	23	29	10	–	–	4·47	–	1·05	25	22	16	3	0	1	0	2	13	10	0	–	–
	Carsphairn (Dundeugh)	9 9 9	390	52·2	35·5	43·9	–	61	14	21	4	–	–	4·25	–	·91	25	18	15	1	0	3	1	0	12	–	0	–	–
	Glenlochar Barrage	9 9 9	154	52·9	39·2	46·1	–	61	14, 23	29	4	–	–	3·15	–	·55	25	18	16	–	0	–	–	2	4	–	–	–	–
	Castle Douglas ...	9 9 9	196	52·3	38·4	45·3	–	61	14	26	4	46·6	–	3·17	–	·79	25	18	15	–	0	–	–	0	7	16	–	4·32	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	51·5	37·5	44·5	–	58	23,26,29	28	4	–	–	3·47	–	·60	25,27	19	16	1	0	1	0	1	5	14	2	4·79	–
	Mull of Galloway	21-9 9	257	51·4	42·4	46·9	–	57	21	35	7	–	–	2·76	–	·61	26	17	12	0	0	2	0	2	0	–	5	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21-9 9	55	52·2	41·5	46·9	–	59	21	31	4	–	–	1·98	99	·49	26	15	10	0	0	1	0	0	1	4	2	5·36	–
	Douglas	9 9 9	284	51·5	41·8	46·7	+1·2	59	21	34	4	–	–	2·53	97	·59	26	16	12	0	0	1	1	1	0	4	0	5·49	95
	Point of Ayre ...	21-9 9	30	53·2	41·1	47·1	–	61	12	31	4	–	–	2·01	114	·32	25	16	12	0	0	0	0	0	1	–	2	5·41	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	52·4	35·9	44·1	–	64	14	23	4	45·3	–	3·56	119	·96	25	22	15	0	0	2	0	1	12	13	0	–	–
	Bellingham ...	9 9 9	849	52·3	36·8	44·5	+1·7	63	23	27	4	–	–	2·71	126	·62	16	21	14	0	0	2	0	0	8	–	8	–	–
	Allendale Town ...	9 9 9	795	51·9	38·2	45·1	–	63	14	28	4, 19	–	–	2·78	–	·65	16	15	13	0	0	0	0	0	4	11	0	–	–
	Haydon Bridge ...	9 9 9	270	54·5	38·0	46·3	–	65	14	26	4	46·8	44·5	2·12	–	·67	16	14	10	0	0	0	0	0	8	–	0	4·76	– S
	Berwick-on-Tweed	9 9 9	76	53·0	41·0	47·0	+2·4	63	14, 24	33	4	–	–	2·05	152	·65	8	14	9	0	0	2	0	0	0	2	0	5·67	113
	Cockle Park ¶§	9 9 9	326	53·5	37·5	45·5	+1·5	63	14, 24	30	4, 10	45·3	44·7	2·15	111	·49	15	16	8	0	0	2	1	0	7	11	0	5·06	108
	Acklington ...	21-9 9	138	54·3	38·7	46·5	–	64	24	31	4, 10,29	–	–	1·69	–	·35	16	12	9	0	0	1	1	0	5	10	0	5·69	–
	Tynemouth ...	21-9 9	95	53·2	42·5	47·9	+2·5	64	24	33	10	–	–	1·46	90	·27	16,17	12	9	0	0	0	1	0	0	2	2	5·03	–
Durham	Chopwellwood ...	9 9 9	446	54·3	39·0	46·7	+2·1	66	14	31	4	–	–	1·94	104	·40	17	20	10	0	0	0	1	0	3	11	0	–	–
	Ushaw College ...	9 9 9	594	53·7	39·3	46·5	+1·8	65	14	33	7, 19	–	–	2·01	107	·50	25	11	8	0	0	3	1	3	0	–	0	–	–
	Houghall... ...	9 9 9	160	55·7	38·0	46·9	+1·6	68	14	27	4	–	–	1·62	91	·35	25	14	9	0	0	1	0	1	8	19	0	4·83	109 S
	Durham ... ¶§	9 9 9	336	55·3	38·7	47·0	+2·1	67	14	30	4, 11	46·8	44·8	1·50	88	·33	25	13	8	0	0	1	1	–	5	10	0	4·32	96
	Gateshead ...	9 9 9	509	53·4	40·8	47·1	–	63	24	33	10	–	–	1·65	–	·33	16	9	8	–	0	–	–	0	0	1	–	4·65	–
	Middleton St. Gge.	21-9 9	115	55·7	40·6	48·1	–	67	14	31	4, 30	–	–	1·42	–	·35	16	12	8	0	0	0	2	0	2	6	0	4·97	–
	West Hartlepool	9 9 9	30	55·4	42·3	48·9	–	69	14	35	4	–	–	1·51	–	·28	17	14	11	0	0	2	0	0	0	2	1	5·24	–
Yorks., N. Riding	Dishforth ...	21-9 9	106	56·4	42·1	49·3	–	68	14	36	4,29,30	–	–	3·23	196	1·02	16	13	11	0	0	2	2	0	0	2	0	4·93	–
	York ... ¶§	9 9 9	57	57·2	42·6	49·9	+2·9	68	14	36	5	48·8	46·2	3·09	182	·69	27	16	10	0	0	1	2	0	0	–	0	4·43	97
	Ampleforth ...	9 9 9	313	54·5	40·8	47·7	–	64	23	33	11	–	–	3·66	185	1·11	27	14	10	0	–	0	2	0	0	6	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding—cont.	Redcar	9 9 9	25	56·1	–	–	–	69	14	–	–	–	–	1·29	90	·23	17,27	12	9	0	0	1	1	0	–	–	0	4·96	–
	Whitby	9 9 9	135	54·9	41·0	47·9	–	66	14	30	30	–	–	2·88	179	·87	16	13	8	0	0	1	1	1	2	7	2	5·45	–
	Scarborough ¶§	9 9 9	118	55·8	42·9	49·3	+2·4	65	14, 24	37	7, 29	–	–	2·90	164	·94	16	17	11	0	0	0	1	0	0	0	0	5·64	115
	Silpho Moor ...	9 9 9	665	53·4	39·4	46·4	–	63	13, 14	32	10, 29	45·3	–	3·11	–	·88	16	16	9	–	0	–	–	–	2	7	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	54·8	39·7	47·3	–	64	14	33	5, 7, 30	46·3	–	3·07	–	·61	27	17	12	0	0	2	1	1	0	6	0	5·05	–
	Driffield	21–9 9	69	55·4	40·0	47·7	–	65	13, 24	31	7	–	–	2·36	–	·44	16	18	12	0	0	2	1	1	2	15	0	5·75	–
	Hull	9 9 9	8	57·5	42·6	50·1	+2·8	68	13	35	7	48·3	44·9	2·40	131	·42	9,16	14	11	0	0	0	1	0	0	3	1	5·66	124 S
	Filey	9 9 9	122	–	40·4	–	–	–	–	31	5,11	–	–	2·91	–	·65	16	15	13	0	0	1	2	0	2	5	0	5·81	–
	Bridlington ...	9 9 9	157	53·8	40·4	47·1	–	65	13	31	7, 11	–	–	2·69	–	·62	27	17	12	0	0	1	2	1	2	3	3	6·37	–
	Spurn Head ...	21–9 9	29	53·6	43·6	48·6	+2·4	63	13	32	7	–	–	1·43	–	·29	16	13	9	0	0	0	2	1	1	–	3	6·12	117
Lincoln	Gunby	9 9 9	443	55·6	40·8	48·2	–	67	13	35	9,11,29	–	–	1·77	–	·58	16	14	8	–	0	–	1	0	–	–	–	–	–
	Waddington ...	21–9 9	224	56·2	41·9	49·1	–	67	14	36	11,19,30	–	–	1·55	–	·34	16	15	9	0	0	0	1	1	0	0	0	5·97	–
	Lincoln	9 9 9	22	57·2	40·4	48·8	–	68	13	31	5	47·3	45·9	1·52	–	·38	16	15	8	0	0	0	1	1	1	7	0	5·55	–
	Cranwell ... ¶§	9 9 9	205	56·9	41·3	49·1	+2·7	67	13, 14	36	7,19,30	48·9	48·9	2·30	138	·73	16	15	10	0	0	0	0	1	0	4	0	5·89	118
	Horncastle ...	9 9 9	205	56·5	41·3	48·9	–	68	13	33	11	48·9	46·3	1·56	–	·33	16	16	8	–	0	–	–	0	0	5	0	–	–
	Cleethorpes ...	9 9 9	23	56·0	42·5	49·3	–	68	13	36	11, 29	–	–	1·75	–	·39	16	12	9	0	0	0	0	1	0	–	0	6·30	–
	Manby	21–9 9	55	56·1	40·7	48·4	–	67	13	32	20, 29	–	–	1·64	–	·42	16	13	8	0	0	0	1	1	2	5	0	6·42	–
	Skegness	9 9 9	15	55·0	42·8	48·9	+2·7	64	13	35	7, 11	–	–	1·61	101	·31	14	14	10	0	0	2	1	0	0	0	4	6·32	120
3 ENGLAND, E.																													
Norfolk	Terrington St. Clement ...	9 9 9	13	57·5	41·7	49·6	–	69	14	32	11	48·5	–	1·31	88	·28	27	11	7	0	0	0	1	0	1	3	0	5·80	–
	Marham	21–9 9	76	57·3	41·8	49·5	–	71	14	32	11	–	–	1·40	–	·28	14	17	11	0	0	0	1	0	1	0	0	–	–
	Santon Downham	9 9 9	80	58·5	38·7	48·6	–	71	14	26	11,20	47·7	46·0	2·05	–	·43	26	17	10	–	0	–	–	–	7	11	0	–	–
	West Raynham ...	21–9 9	250	55·7	42·1	48·9	–	69	14	33	11	–	–	1·64	–	·31	14	16	10	0	0	3	1	0	0	3	0	6·16	–
	Cromer	9 9 9	178	56·7	42·5	49·6	+2·7	71	13	35	11	–	–	1·96	115	·47	10	16	10	0	0	1	2	1	0	6	0	5·81	109
	Sprowston ¶§	9 9 9	93	56·6	42·0	49·3	+2·6	70	14	34	20	–	–	1·73	96	·31	27	17	12	0	0	0	3	–	0	9	0	5·75	110
	Burlingham ...	9 9 9	89	56·4	42·5	49·5	–	71	14	34	11	–	–	1·78	101	·25	7	19	12	0	0	1	1	1	0	1	0	5·77	–
	Gorleston ¶§	21–9 9	5	53·2	43·2	48·2	+1·7	63	13	36	11	49·5	47·6	2·00	120	·31	10	17	12	0	0	0	3	2	0	1	0	5·72	107
Suffolk	Mildenhall ...	21–9 9	15	57·9	43·2	50·5	–	71	14	35	20	–	–	1·70	99	·54	26	15	12	0	0	1	0	0	0	1	0	5·48	–
	East Bergholt ...	9 9 9	14	57·8	41·5	49·7	–	68	14	32	29	–	–	1·88	–	·32	14	16	12	0	0	0	0	1	1	6	0	–	–
	Felixstowe ...	21–9 9	10	54·4	44·9	49·7	+2·6	62	17	37	20	–	–	1·56	98	·32	14	16	10	0	0	1	1	2	0	0	0	5·17	91
	Lowestoft ...	9 9 9	82	54·4	42·5	48·5	+1·9	61	13, 22	35	11	49·5	47·4	1·87	112	·29	29	18	13	0	0	3	2	0	0	0	0	5·58	100
Cambridge	Boxworth ...	9 9 9	157	57·6	41·2	49·4	–	67	13, 14	33	4	–	–	1·87	111	·32	14	17	12	0	0	0	0	0	0	4	1	4·74	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	58·1	41·6	49·9	+2·4	69	14	32	11	49·4	47·9	1·66	94	·23	14	16	12	0	0	0	2	0	1	8	–	4·87	100
Huntingdon	Wyton	21–9 9	129	57·5	42·6	50·1	–	67	13,14,24	35	11	–	–	1·14	–	·18	14	16	10	0	0	2	2	0	0	5	0	–	–
Bedford	Woburn	9 9 9	291	56·6	41·5	49·1	+2·7	66	13, 24	34	10, 29	49·5	47·5	2·42	125	·26	27	16	13	0	0	1	1	0	0	1	0	4·90	100
	Harrold	9 9 9	150	57·6	40·5	49·1	–	67	13, 24	31	29	47·8	46·4	1·88	–	·46	16	17	11	0	0	2	1	0	1	6	–	–	–
	Dunstable ...	21–9 9	516	56·3	42·0	49·1	–	66	13, 24	33	7	49·0	46·5	2·09	–	·36	16	16	13	1	0	3	0	0	0	1	0	4·95	–
	Goldington ...	9 9 9	107	58·1	42·2	50·1	–	69	13	35	10,11,29	–	–	1·53	–	·47	16	14	11	0	0	0	0	0	0	5	0	–	–
	Luton	9 9 9	379	56·5	41·8	49·1	+2·6	66	13, 24	35	7, 29	49·2	–	2·42	125	·47	16	16	12	–	0	–	–	0	0	9	0	4·42	91
	Silsoe	9 9 9	195	57·6	41·3	49·5	–	68	13, 24	33	29	49·6	46·9	1·74	102	·37	16	15	14	0	0	1	1	0	0	7	0	5·16	–
	Cardington ...	21–9 9	93	58·5	41·5	50·0	–	69	13	33	10,11,29	–	–	1·71	110	·37	16	14	11	0	0	1	2	0	0	6	0	5·32	–
Hertford	Bovingdon ...	21–9 9	516	55·8	40·7	48·3	–	66	13	32	29	–	–	2·51	–	·42	25	15	13	1	0	3	0	2	1	8	0	–	–
	Garston	9 9 9	263	57·8	41·7	49·7	–	69	13	33	10, 29	–	–	2·59	–	·45	25	15	14	0	0	4	1	1	0	3	0	4·15	–
	Rothamsted ¶§	9 9 9	420	56·4	41·0	48·7	+2·5	67	13	34	7, 29	48·5	45·7	2·32	110	·36	16	17	14	0	0	3	0	0	0	3	0	4·51	91
	St. Albans ...	9 9 9	272	57·1	41·3	49·2	+2·6	66	13, 24	33	10	48·8	–	2·31	121	·38	25	15	14	0	0	0	1	0	0	4	0	–	–
	Bayfordbury ...	9 9 9	221	57·3	41·6	49·5	–	67	13, 24	32	29	–	–	2·44	127	·32	25	17	15	1	0	2	2	0	1	5	0	4·94	–
	Stanstead Abbotts	9 9 9	97	57·6	41·6	49·6	–	66	14, 24	31	10	49·1	47·9	2·60	–	·48	10	15	14	–	0	–	–	0	2	3	0	–	–
	Eastwick Lodge...	9 9 9	137	57·1	40·9	49·0	–	67	13, 14	30	10	–	–	2·46	132	·47	14	16	14	–	0	–	–	0	2	–	0	–	–
Essex	Stansted ...	9 9 9	330	56·6	41·9	49·3	–	67	13, 14	35	9,10,29	–	–	2·50	–	·39	16	15	12	0	0	1	4	2	0	6	0	–	–
	Saffron Walden	9 9 9	295	56·2	41·8	49·0	–	68	14	34	20, 29	48·0	45·8	2·32	–	·43	16	17	13	0	0	4	0	0	0	6	0	–	–
	Writtle	9 9 9	105	57·6	41·7	49·7	–	68	14	32	7	–	–	2·44	130	·35	14	15	13	0	0	4	4	2	1	6	2	4·90	–
	Coryton	9 9 9	9	57·7	44·6	51·1	–	68	14, 24	36	7	50·7	49·5	1·89	–	·31	6	18	13	0	0	0	1	1	0	0	0	–	–
	Southend ...	9 9 9	90	58·2	44·3	51·3	–	67	14	38	7	–	–	1·55	94	·30	18	18	11	0	0	1	1	1	0	0	0	4·76	87
	Maldon	9 9 9	14	57·6	41·7	49·7	–	68	14	34	9, 29	–	–	2·03	–	·58	9	19	13	0	–	1	2	2	0	–	0	4·76	–
	Earls Colne ...	9 9 9	160	57·8	41·6	49·7	–	70	14	34	20, 29	49·2	47·5	1·87	100	·35	26	13	10	–	0	–	–	1	0	–	0	–	–
	Shoeburyness ¶§	21–9 9	11	55·8	44·3	50·1	+2·5	65	14	36	29	–	–	1·43	90	·33	14	16	12	0	0	2	1	2	0	2	0	4·94	92
	Clacton	9 9 9	53	53·8	44·4	49·1	–	62	17	38	11, 20	50·3	48·5	1·52	93	·30	27	18	14	0	0	1	0	1	0	0	0	5·28	94
	Walton-on-Naze	9 9 9	35	54·4	43·0	48·7	–	60	17,22	33	11	–	–	1·61	–	·30	14	17	11	0	0	3	1	2	0	3	0	5·61	–
	Dovercourt ...	9 9 9	11	55·5	42·2	48·9	–	63	17, 22	34	11, 29	–	–	1·62	–	·26	14	18	11	–	–	–	–	2	0	6	0	5·09	–
4 MIDLAND COUNTIES																													
Yorks., W. Riding	Slaidburn ...	9 9 9	629	53·7	39·0	46·3	–	65	14	30	19	–	–	3·56	–	·68	25	21	15	1	0	1	1	1	1	9	0	4·09	–
	Malham Tarn ...	9 9 9	1297	49·7	37·3	43·5	–	60	14	30	5, 7	44·2	–	4·58	–	·87	25	20	18	3	0	7	1	2	5	17	0	–	–
	Bingley	9 9 9	610	53·4	39·9	46·7	–	63	24	34	5, 7, 29	–	–	3·50	144	·70	16	18	13	0	0	1	2	2	0	8	0	–	–
	Huddersfield §	9 9 9	325	55·2	41·3	48·3	+2·5	66	14	33	30	46·6	45·2	3·99	–	1·62	16	16	12	–	0	–	–	2	0	5	0	4·18	110
	,, (Oakes)	21–9 9	762	54·4	40·8	47·6	+2·8	65	14	34	5, 7	46·6	44·7	4·50	180	1·39	16	18	15	1	0	3	3	0	0	8	2	3·87	–
	Bradford ¶	9 9 9	439	54·2	41·2	47·7	+2·4	65	14	34	30	45·9	44·2	3·64	157	·82	16	17	12	2	0	2	2	0	0	5	0	–	–
	Ilkley	9 9 9	315	56·1	40·5	48·3	+2·7	66	14	34	5,29,30	–	–	3·56	139	·60	16	19	13	4	0	0	2	1	0	–	1	4·15	94
	Sheffield	9 9 9	429	55·7	42·7	49·2	+2·6	66	14	32	19	47·6	45·3	3·49	167	1·33	16	14	12	0	0	1	2	–	1	3	0	4·64	110
	Wakefield ...	9 9 9	121	57·7	41·5	49·6	+2·5	67	14, 24	34	30	47·2	45·6	3·32	183	1·24	16	15	13	0	0	1	1	1	0	10	0	–	–
	Killinghall ...	9 9 9	365	54·4	40·0	47·2	–	64	14	32	29	46·4	–	3·79	–	1·29	16	17	12	0	0	0	2	2	1	–	0	4·64	–
	Pontefract ...	9 9 9	255	55·6	41·9	48·7	+2·7	66	14	36	11,19,29	–	–	4·18	250	1·75	16	18	12	0	0	0	1	2	0	0	0	5·07	–
	Bramham ...	9 9 9	177	55·6	40·3	47·9	–	66	14	33	11, 30	–	–	4·22	–	1·36	16	15	10	0	0	0	1	0	0	6	0	4·68	–
	Cawood	9 9 9	20	56·9	40·8	48·9	–	67	14	33	30	48·6	46·5	2·56	150	·78	16	14	9	0	0	0	3	0	0	7	0	4·86	–
	Askham Bryan ...	9 9 9	90	56·8	40·7	48·7	–	67	14	34	5,11,30	–	–	3·31	182	·81	16	15	11	0	0	1	2	0	0	3	0	4·28	–
Derby	Buxton	9 9 9	1007	51·4	39·1	45·3	+2·0	62	13	32	19	44·9	44·1	4·13	124	·61	25	19	18	0	0	5	2	0	1	6	0	–	–
	Chapel en le Frith	9 9 9	728	54·2	38·9	46·5	–	64	14	31	19, 21	–	–	3·85	–	·65	25	19	16	3	0	1	2	0	4	6	2	–	–
	Wirksworth ...	9 9 9	565	55·8	40·9	48·3	–	65	13	33	29	–	–	3·90	–	1·36	16	17	14	1	0	5	0	0	0	2	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of: A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4	MIDLAND COUNTIES—cont.																												
Derby—cont.	Derby	9 9 9	159	57·2	41·7	49·5	–	68	13	31	11, 21	–	–	2·30	–	·84	16	16	12	0	0	0	0	1	2	2	0	4·77	–
	Morley	9 9 9	350	55·6	41·2	48·4	–	66	13	33	11, 19	–	–	2·61	–	·96	16	17	13	0	0	2	0	–	0	0	0	4·78	–
	Chesterfield	9 9 9	298	56·4	40·3	48·3	–	66	13, 14	33	29	–	–	3·63	–	1·24	16	17	14	0	0	2	2	1	0	–	0	–	–
Nottingham	Sutton Bonington	9 9 9	157	56·8	41·1	48·9	+2·2	68	13	33	11, 29	48·2	46·9	2·14	127	·58	16	14	10	0	0	2	0	1	0	10	0	4·94	106
	Watnall	21–9 9	385	56·2	41·6	48·9	–	67	13	34	19	–	–	2·69	139	·78	16	19	13	0	0	4	1	1	0	12	0	4·69	–
	Mansfield	9 9 9	357	56·2	41·7	48·9	+2·6	68	13	36	7,19,29	–	–	3·28	166	1·25	16	19	13	0	0	2	0	0	0	8	0	–	–
	Nottingham ¶§	9 9 9	192	56·9	42·7	49·8	+2·5	67	13, 14	35	11	48·5	46·4	2·43	136	·67	16	16	12	0	0	1	1	0	0	2	0	4·25	99
	Warsop	9 9 9	150	56·5	39·9	48·2	–	66	13, 14	30	29	–	–	2·67	168	1·05	16	17	11	0	0	2	4	0	2	12	0	4·96	–
	Finningley	21–9 9	34	57·3	42·4	49·9	–	67	14	33	29	–	–	2·19	–	·87	16	13	9	0	0	1	1	0	0	3	0	5·66	–
	Langar	21–9 9	106	57·3	41·3	49·3	–	68	13	33	9, 29	–	–	2·06	–	·63	16	15	9	0	0	0	0	0	0	11	0	–	–
Leicester	Leicester (Towers)	9 9 9	267	57·9	41·5	49·7	–	69	13	34	11	48·5	46·4	–	–	–	–	–	–	0	0	0	0	1	0	3	–	5·09	–
	Caldecott	9 9 9	175	58·0	39·0	48·5	–	67	13	30	29	–	–	1·79	–	·43	16	15	11	0	0	0	0	1	3	6	0	4·99	–
Northampton	Wellingborough	9 9 9	298	57·7	41·7	49·7	–	69	13	35	7,11,29	–	–	2·00	–	·51	16	16	11	0	0	1	1	1	0	2	0	–	–
	Kettering	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Raunds	9 9 9	193	57·6	40·4	49·0	–	68	13	32	11	49·4	46·0	1·92	111	·45	16	15	13	0	0	2	3	1	1	2	0	–	–
	Wittering	21–9 9	216	56·5	41·9	49·2	–	67	13	34	11, 29	–	–	1·62	–	·46	16	15	9	0	0	1	1	1	0	3	0	5·68	–
Warwick	Birmingham ¶§	21–9 9	536	55·1	42·8	48·9	+2·1	66	13	34	7	46·1	46·5	3·88	169	1·48	16	18	14	1	0	3	1	0	0	4	0	4·48	102
	Luddington	9 9 9	138	57·7	41·5	49·6	–	68	24	32	29	–	–	2·44	136	·84	16	16	13	0	0	2	0	0	1	7	1	4·67	–
	Stratford on Avon	9 9 9	160	58·2	40·8	49·5	–	68	13	32	29	49·8	–	2·59	–	·91	16	15	12	0	0	1	0	0	1	7	0	4·57	–
	Elmdon	21–9 9	319	55·5	40·9	48·2	–	66	13	32	19,21,29	–	–	3·28	166	1·25	16	16	13	1	0	3	2	0	3	7	0	4·83	–
	Shipston on Stour	9 9 9	365	56·7	41·9	49·3	–	67	13	35	11,19,29	48·4	–	2·58	–	·96	16	15	10	0	0	3	1	0	0	7	–	5·42	–
	Wellesbourne	9 9 9	153	57·3	41·2	49·3	–	67	13	33	19	49·0	47·5	2·60	137	·99	16	16	13	0	0	2	1	0	0	11	0	4·73	–
	Moreton Morrell	9 9 9	280	57·2	41·7	49·5	–	67	13	34	7	–	–	3·01	–	1·08	16	16	14	0	0	0	1	0	0	4	0	5·12	–
	Coventry	9 9 9	338	55·9	41·2	48·5	+1·5	67	13	33	7	48·3	46·3	2·70	134	·87	16	14	12	1	0	3	1	0	0	–	3	4·70	104 S
	Rugby	9 9 9	385	56·5	41·5	49·0	–	66	13	33	7, 19	48·9	47·4	2·45	–	·71	16	15	13	1	0	1	0	–	0	4	0	5·29	–
Oxford	Oxford ¶§	9 9 9	208	57·6	43·3	50·5	+2·5	67	4, 13	36	19,29	50·0	48·1	2·05	108	·54	16	16	13	0	0	3	1	1	0	3	0	5·13	103
Buckingham	Aylesbury	9 9 9	316	57·4	41·8	49·6	–	67	13	34	29	–	–	1·75	–	·32	16	14	12	0	0	2	1	2	0	8	0	5·25	–
	Bletchley	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford	Keele	9 9 9	587	54·0	40·5	47·3	–	63	13,14,24	32	7, 19	47·4	45·2	3·44	159	1·38	16	17	12	1	0	4	1	0	2	5	0	4·59	– S
	Oaken	9 9 9	409	55·9	40·2	48·1	–	65	13,14,24	30	19	47·7	–	3·58	–	1·61	16	15	13	–	–	–	–	1	7	–	–	–	–
	Wheaton Aston	9 9 9	365	54·9	–	–	–	65	14	–	–	47·8	–	3·16	–	1·38	16	16	13	1	0	0	2	0	–	4	0	4·35	–
	Stone	9 9 9	350	55·8	38·9	47·3	–	64	13,14,23	29	19, 21	–	–	3·20	–	1·16	16	17	11	1	0	2	1	1	5	10	1	4·47	–
	Penkridge	9 9 9	330	55·1	40·2	47·7	–	65	13	31	19	–	–	2·68	–	1·15	16	17	12	1	0	0	0	1	2	1	1	–	–
	Onecote	9 9 9	1350	51·0	38·4	44·7	–	61	14	31	7	43·1	42·2	3·35	–	·78	16	15	15	0	0	0	0	0	1	2	0	3·94	–
Shropshire	Oswestry	9 9 9	570	54·4	41·4	47·9	–	62	14	33	19	–	–	3·91	–	1·26	16	18	14	0	0	0	0	0	0	0	0	4·28	–
	Shrewsbury	9 9 9	184	56·6	41·9	49·3	–	65	14	33	19	49·8	50·8	2·92	158	1·22	16	18	11	0	0	3	0	0	0	3	0	4·46	–
	Shawbury	21–9 9	235	55·6	40·3	47·9	–	65	14	30	19	–	–	3·01	165	1·22	16	16	13	1	0	1	0	0	1	10	0	5·06	–
	Newport	9 9 9	211	55·9	40·0	47·9	–	65	14	31	19	–	–	3·40	190	1·30	16	17	9	1	0	3	2	0	2	12	0	4·26	–
Worcester	Malvern	9 9 9	203	57·0	42·6	49·8	+2·0	67	13, 14	36	19,29,30	49·4	46·8	3·24	150	1·18	16	19	15	1	0	1	0	0	0	0	0	5·40	105 S
	Worcester (Redhill)	9 9 9	190	57·4	42·0	49·7	–	67	13, 14	33	19	–	–	2·91	160	1·22	16	16	13	0	0	0	0	0	0	7	0	5·00	–
	Droitwich	9 9 9	106	56·0	42·7	49·3	–	66	14	32	19	–	–	3·12	–	1·35	16	14	13	0	0	2	0	0	1	–	0	4·87	–
	Pershore (Institute of Horticulture)	9 9 9	130	56·8	43·0	49·9	–	66	13,14	33	19	–	–	2·29	–	·80	16	15	11	0	0	2	1	2	0	5	0	5·43	–
	Pershore	21–9 9	110	57·5	42·0	49·7	–	68	13	32	19	–	–	2·16	–	·87	16	14	12	0	0	0	1	1	4	0	4·91	–
	Halesowen	9 9 9	505	55·4	40·4	47·9	–	66	13	31	19	48·5	46·2	3·34	–	1·17	16	18	16	1	0	3	0	0	1	4	0	4·63	–
Hereford	Lyonshall	9 9 9	510	55·5	40·8	48·1	–	63	13,24	32	19	–	–	3·16	–	1·01	16	18	13	–	–	–	–	–	1	11	–	–	–
	Ross-on-Wye ¶§	21–9 9	223	57·1	42·8	49·9	+2·2	66	13	33	19	49·7	48·2	2·96	151	1·15	16	15	14	0	0	3	0	1	0	3	1	5·07	100
	Preston Wynne	9 9 9	274	56·5	40·6	48·5	–	65	13	31	19	–	–	2·42	–	·81	16	15	10	0	0	0	0	0	1	4	2	5·41	–
Gloucester	Bristol (Filton)	21–9 9	192	56·2	43·3	49·7	–	67	4	35	19	–	–	2·52	129	·67	16	16	12	0	0	0	0	0	0	3	1	4·93	–
	Ruscombe	9 9 9	610	55·2	41·2	48·2	–	64	13	31	19	–	–	3·08	140	1·13	16	15	13	0	0	0	0	2	1	–	0	–	–
	Cirencester	9 9 9	443	55·5	40·7	48·1	–	65	4	32	19, 29	–	–	3·36	145	·70	16	16	15	0	0	2	1	1	2	11	–	4·81	–
	Little Rissington	21–9 9	740	54·7	41·6	48·1	–	64	13, 24	34	29	–	–	3·17	141	·95	16	15	14	1	0	5	1	1	0	4	0	4·79	–
5	ENGLAND, S.E.																												
London	Kensington	9 9 9	81	58·4	45·0	51·7	+2·3	69	13	39	7, 29	50·5	48·4	2·37	123	·41	14	17	14	0	0	1	0	0	0	2	0	–	–
	Hampstead	9 9 9	450	56·8	43·0	49·9	+2·9	67	13	36	7	–	–	2·52	119	·39	14,25	17	14	0	–	0	0	–	0	6	0	4·58	93
	Westminster	9 9 9	27	58·2	45·3	51·7	+2·0	68	13,24	38	10	–	–	2·04	110	·23	25	16	14	0	–	1	0	–	0	1	–	–	–
	Regent's Park	9 9 9	129	58·4	44·3	51·3	–	69	13	37	29	–	–	2·13	–	·37	14	15	14	–	0	–	–	0	0	0	–	4·58	104
	Camden Square	9 9 9	121	57·8	44·5	51·1	+1·5	68	13,24	37	7	50·4	49·3	2·14	109	·29	14	16	14	0	0	1	0	–	0	0	–	–	–
	Kingsway	—	—																									4·24	–
	Bunhill Row	—	—																									4·13	96
	Greenwich (Maritime Museum)	9 9 9	24	58·7	43·5	51·1	–	68	13	32	21	–	–	1·95	109	·30	14	16	14	0	0	0	0	0	1	2	0	(4·17)	–
Middlesex	London Airport	21–9 9	82	57·5	43·6	50·5	–	68	13	37	10, 29	–	–	2·08	117	·32	14	15	14	0	0	3	1	0	0	1	0	4·64	–
	Hampton	9 9 9	39	57·9	44·1	51·0	–	68	13	37	29	–	–	2·02	–	·39	14	15	13	0	0	1	1	0	0	2	0	4·83	–
	Wealdstone	9 9 9	175	58·5	42·5	50·5	+2·3	68	13,24	33	10	50·0	47·6	2·35	112	·34	14	15	14	0	0	1	0	0	0	6	0	4·16	–
	Southgate	9 9 9	221	57·7	43·4	50·5	–	68	13	36	7, 10	49·4	–	2·51	–	·44	26	15	15	0	0	1	2	0	0	1	0	4·05	– S
Surrey	Farnham	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Wisley	9 9 9	150	57·9	42·6	50·3	+2·3	67	4,13,24	33	29	50·7	48·3	2·08	103	·43	14	13	12	0	0	0	0	0	0	7	0	4·59	94
	Great Bookham	9 9 9	466	56·3	42·3	49·3	–	66	4	35	7	48·6	–	2·56	–	·65	25	15	12	0	0	0	1	1	0	5	0	4·26	–
	Mickleham	9 9 9	179	57·8	40·3	49·1	–	67	4, 13	32	29	–	–	2·64	117	·87	25	16	13	0	0	2	0	0	1	6	0	–	–
	Kew Observatory ¶§	21–9 9	18	57·2	44·5	50·9	+3·2	67	13	38	7, 29	50·0	48·7	2·04	113	·34	14	14	11	0	0	1	1	0	0	6	0	4·63	93
	Gatwick	21–9 9	194	57·6	40·9	49·3	–	67	4,13	33	22, 29	–	–	2·72	–	·74	25	16	13	0	0	3	2	0	0	2	0	4·48	–
	Croydon (Waddon)	9 9 9	220	57·3	42·4	49·9	+1·7	67	13,24	34	29	–	–	2·30	106	·60	25	15	14	–	–	–	–	–	0	–	–	–	–
	Addington	9 9 9	474	56·0	43·2	49·6	+2·5	66	13,14	37	7	–	–	2·39	104	·69	25	17	14	–	–	–	–	0	0	–	–	–	–
Kent	Bromley	9 9 9	213	58·0	43·6	50·8	+2·4	69	13	36	29	–	–	1·89	93	·49	25	15	13	0	0	0	1	2	0	–	0	–	–
	Swanley	9 9 9	177	58·4	42·3	50·3	–	68	13,14,15	32	29	49·3	–	1·96	–	·42	25	17	11	0	0	1	2	0	1	7	0	4·16	–
	Dartford	9 9 9	17	58·5	42·8	50·7	–	69	14	34	29	–	–	2·01	–	·39	14	15	11	0	0	2	1	0	0	–	0	–	–
	Tunbridge Wells	9 9 9	351	57·4	40·9	49·1	+2·1	68	13	32	11	49·7	48·1	2·75	123	·87	25	18	15	0	0	3	3	2	1	1	0	4·63	86
	West Malling	21–9 9	304	56·7	41·4	49·1	–	67	14	33	11	–	–	1·93	94	·51	25	18	13	0	0	1	2	1	0	6	0	4·84	–
	Goudhurst	9 9 9	290	57·3	40·1	48·7	–	67	13	30	21	–	–	3·10	133	·88	25	18	13	0	0	2	2	1	2	9	0	–	–
	East Malling ¶§	9 9 9	122	57·9	41·8	49·9	+2·7	69	14	32	29	–	47·2	2·02	97	·45	25	18	13	0	0	2	2	0	1	2	0	4·93	98

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5 ENGLAND, S.E.—cont.																												
Kent—cont. Gillingham ...	9 9 9	14	57·8	43·9	50·9	–	69	13, 14	37	7	–	–	2·08	–	·46	14	15	12	0	0	1	1	1	0	–	0	4·51	–
Sittingbourne ...	9 9 9	224	57·1	42·5	49·8	–	67	13, 14	33	29	49·2	47·6	2·47	–	·52	25	16	13	0	0	0	3	1	0	1	0	4·84	–
Isle of Grain ...	9 9 9	9	56·8	45·4	51·1	–	68	14	37	7	–	–	1·50	–	·23	14	18	13	0	0	1	1	2	0	0	0	4·66	–
Throwley ...	9 9 9	493	56·0	41·4	48·7	–	66	13, 14	33	7	49·3	46·8	2·71	–	·66	25	15	12	1	0	2	2	3	0	4	0	4·74	–
Faversham ...	9 9 9	157	56·4	42·6	49·5	–	68	13, 14	34	29	49·0	47·4	2·46	–	·54	25	15	10	1	0	4	2	1	0	1	0	4·91	–
Dungeness ...	21–9 9	10	54·9	44·2	49·5	–	61	13,17,24	36	20,21	–	–	1·53	86	·39	25	11	10	0	0	0	1	2	0	–	0	–	–
Wye	9 9 9	185	57·1	41·6	49·3	+1·9	67	13, 14	34	21, 29	–	–	2·38	110	·56	25	17	13	1	0	5	3	3	0	5	1	4·99	92
Whitstable ...	9 9 9	9	57·5	44·4	50·9	–	71	14	34	29	–	–	1·74	112	·34	25	14	13	0	0	0	1	0	0	–	1	4·84	–
Folkestone ...	9 9 9	128	56·0	44·9	50·5	–	65	13	37	7	–	49·3	2·62	142	·55	14	16	14	2	0	1	2	1	0	0	1	5·05	–
Wingham (Elmstone)	9 9 9	28	57·8	41·3	49·5	–	69	13, 14	33	21, 29	–	–	2·18	–	·43	14	16	11	0	0	3	2	1	0	1	0	–	–
Herne Bay ...	9 9 9	21	57·2	44·7	50·9	–	71	13	38	11	–	–	1·58	96	·31	25	13	12	0	0	3	2	1	0	0	0	4·87	–
Dover	9 9 9	19	55·2	44·4	49·8	+1·9	64	13	37	7,20,21	51·6	49·2	3·18	157	·78	14	17	14	0	0	1	1	1	0	0	0	5·46	– S
Ramsgate ...	9 9 9	80	54·2	45·6	49·9	–	61	14	39	7	–	–	1·77	116	·35	10	15	11	0	0	1	1	1	0	–	–	4·96	85
Margate	9 9 9	51	55·2	44·8	50·0	+1·7	68	13	38	11	–	48·8	1·86	133	·30	10,15	14	12	0	0	0	0	0	0	1	1	4·78	80
Sussex Thorney Island ...	21–9 9	10	57·2	44·0	50·6	–	64	4, 13	35	19	–	–	1·85	–	·40	25	13	10	0	0	1	0	0	0	2	0	5·23	–
Bognor Regis ...	9 9 9	24	54·4	44·3	49·3	+1·7	59	30	37	19	–	49·6	1·79	91	·38	25	12	10	0	0	0	1	0	0	0	0	5·43	92
Fernhurst ...	9 9 9	188	57·0	41·4	49·2	–	67	4	32	29	49·2	–	3·00	–	·83	25	14	12	1	0	5	2	0	1	1	2	4·91	–
Littlehampton ...	9 9 9	15	54·8	45·3	50·1	+2·5	62	4	36	11	–	49·3	2·29	123	·50	14	13	10	0	0	0	0	0	0	–	0	5·55	94
Worthing ...	9 9 9	25	55·2	45·1	50·1	+2·1	60	4	38	11, 19	50·3	48·9	2·16	121	·48	14	14	13	0	0	1	1	0	0	1	0	5·30	88
Brighton ...	9 9 9	32	55·2	45·4	50·3	–	65	4	38	21	–	50·3	1·82	101	·35	25	14	11	0	0	0	0	0	0	0	0	5·03	–
East Grinstead ...	9 9 9	440	57·5	41·0	49·3	–	66	4, 13, 24	32	29	–	47·0	3·09	–	·85	25	17	14	0	0	1	0	2	1	3	0	–	–
Seaford	9 9 9	45	55·9	43·8	49·9	–	64	4	35	21	–	–	1·98	104	·49	14	12	10	–	–	–	–	0	0	–	–	5·25	–
Eastbourne ...	9 9 9	35	54·9	45·1	50·0	+2·0	60	2, 13	37	21	50·6	49·2	2·46	123	·53	14	16	12	0	0	1	1	1	0	0	–	5·45	90
Eastbourne (C/guard)	21–9 9	17	55·4	44·9	50·1	–	61	13, 22	37	7, 21	–	–	2·35	–	·55	14	15	10	0	0	0	1	1	0	1	0	–	–
Hankham ...	9 9 9	68	56·4	42·5	49·5	–	63	4, 13, 24	33	21	49·5	48·4	2·25	–	·53	14	15	11	0	0	1	2	0	0	15	0	5·52	–
Bexhill	9 9 9	14	54·8	45·2	50·0	+2·4	61	4	38	11	51·5	–	2·56	135	·58	14	15	10	0	0	1	1	1	0	0	0	5·26	–
Sedlescombe ...	9 9 9	175	56·1	42·4	49·3	–	66	13, 24	35	21, 29	–	–	2·81	–	·71	25	15	12	0	0	0	2	1	0	2	3	–	–
Bodiam	9 9 9	73	57·8	40·6	49·2	–	68	13	33	11, 21, 29	49·7	47·3	2·84	–	·79	25	16	12	0	0	0	1	0	0	4	–	5·14	–
Hastings ¶§	9 9 9	149	55·4	45·0	50·2	+2·5	64	4	38	7	52·5	50·3	2·04	105	·50	25	14	11	0	0	0	2	1	0	1	0	5·57	96
Berkshire Abingdon ...	21–9 9	210	57·7	42·2	49·9	–	67	4, 13, 24	33	29	–	–	2·16	118	·55	16	16	13	0	0	3	0	1	0	3	0	5·31	–
Woolhampton ...	9 9 9	370	56·5	41·7	49·1	–	66	4	33	29	49·2	–	2·44	128	·40	25	14	11	0	0	0	2	0	0	7	0	–	–
Shinfield	9 9 9	200	57·6	42·1	49·9	+2·3	68	4	33	29	–	–	2·01	–	·39	27	15	11	0	0	2	1	2	0	3	0	5·23	–
Reading ... *	9 9 9	148	57·3	43·2	50·3	+1·8	69	4	36	29	50·9	48·6	2·23	117	·36	25	16	12	–	–	–	–	–	0	6	–	4·78	–
Finchampstead ...	9 9 9	212	57·7	41·0	49·3	–	69	4	32	29	50·0	47·6	2·07	–	·46	25	15	11	0	0	0	1	1	1	8	0	4·89	– S
Wokingham ...	9 9 9	200	57·6	41·3	49·5	–	67	4	32	29	49·4	47·5	2·00	–	·41	25	15	13	0	0	3	2	0	1	–	0	–	–
Hurley	9 9 9	140	57·7	41·3	49·5	–	67	4	30	10	49·3	–	2·48	–	·40	27	15	14	0	0	4	2	0	2	1	0	5·08	–
Hampshire Bournemouth ...	9 9 9	130	55·3	43·6	49·5	+1·0	61	3, 4	34	19	49·7	48·7	2·51	125	·50	25	14	13	0	0	3	0	2	0	2	0	6·02	103
Christchurch ...	9 9 9	9	56·2	43·0	49·6	–	63	3	33	19, 22	–	–	2·44	–	·37	25	12	12	0	0	1	1	0	0	5	1	–	–
Ringwood ...	9 9 9	250	58·0	41·1	49·5	–	66	4, 24	30	19	50·6	48·6	2·93	–	·47	25	16	15	0	0	0	4	0	0	9	0	–	–
Everton (Efford)	9 9 9	51	56·0	43·7	49·9	–	63	3	35	19	–	–	2·07	–	·35	11	15	12	0	0	1	0	0	0	3	0	6·08	–
Southampton ¶§	9 9 9	65	59·3	43·5	51·4	+2·7	66	4, 24	34	19	51·1	–	2·72	127	·63	25	15	10	0	0	1	0	0	0	1	0	5·55	101
Leckford... ...	9 9 9	385	56·0	41·8	48·9	–	66	4	32	19	48·3	–	3·41	152	·83	9	14	13	–	0	–	–	0	1	1	0	–	–
Winchester ...	9 9 9	124	57·7	40·9	49·3	–	67	4, 24	32	29	–	47·5	3·40	152	·94	25	16	13	0	0	1	1	0	1	3	0	4·50	–
Martyr Worthy ...	9 9 9	275	57·4	41·1	49·3	–	67	4	31	19	–	–	3·37	–	·75	25	14	13	0	0	0	1	0	2	5	0	4·96	–
Southsea ...	9 9 9	7	55·5	46·1	50·8	+1·6	60	4, 17	37	19	51·1	49·3	1·76	94	·28	25	12	8	0	0	0	0	0	0	1	0	5·76	96
Hayling Island ...	9 9 9	13	54·9	44·7	49·8	–	61	4	36	19	–	–	1·70	–	·40	25	12	9	0	0	0	0	0	0	–	0	5·45	–
Long Sutton ...	9 9 9	512	56·3	42·2	49·3	+2·4	65	4, 24	36	9, 11	48·7	–	2·77	125	·72	25	15	14	0	0	4	2	1	0	5	0	5·09	98
Alice Holt Lodge	9 9 9	378	56·9	41·2	49·1	–	67	4	32	29	–	–	2·82	127	·81	25	15	12	0	0	2	1	0	1	7	0	4·33	–
S. Farnborough ...	21–9 9	226	57·1	42·4	49·7	+2·1	67	4	33	29	–	–	2·03	101	·53	25	14	11	0	0	2	0	0	0	3	0	4·12	78
Blackbushe ...	21–9 9	325	57·2	43·0	50·1	–	68	4	36	19, 29	–	–	1·92	–	·55	25	14	12	0	0	1	0	1	0	1	0	–	–
I. of Wight St. Catherine's Pt.	9 9 9	51	54·0	46·0	50·0	+3·0	60	13	36	19	–	–	2·37	122	·48	14,25	14	9	0	0	0	0	0	0	–	0	–	–
Ventnor Park ...	9 9 9	443	54·8	45·1	49·9	–	59	30	35	19	51·2	49·0	2·47	115	·49	25	16	13	0	0	1	0	0	0	1	0	6·15	–
Shanklin	9 9 9	180	54·5	44·0	49·3	–	61	24	34	19	–	–	2·79	–	·61	25	14	11	0	0	1	0	1	0	–	0	6·19	–
Sandown ...	9 9 9	13	55·9	45·1	50·5	+2·2	61	22	37	19	–	–	2·32	118	·58	25	14	10	0	0	0	0	0	0	–	–	5·79	94
Ryde	9 9 9	15	56·1	45·4	50·7	+2·0	63	24	39	19	–	–	2·20	115	·56	25	14	11	0	0	1	0	0	0	–	1	4·88	82
Wiltshire Lacock (Lackham)	9 9 9	160	56·7	40·9	48·8	–	66	4	30	29	–	–	2·39	–	·65	16	14	13	0	0	0	0	0	2	–	0	–	–
West Lavington	9 9 9	305	57·0	40·2	48·6	–	67	4	29	19	–	–	2·58	121	·51	16	13	11	0	0	1	1	2	2	–	0	–	–
Lyneham ...	21–9 9	457	55·2	41·9	48·5	–	68	4	31	19	–	–	2·76	135	·65	16	14	12	0	0	6	1	2	1	4	0	5·28	–
Larkhill	9 9 9	431	55·8	41·2	48·5	+2·0	66	4	31	19	–	–	2·59	134	·52	16	14	12	0	0	2	0	2	1	2	0	–	–
Boscombe Down	21–9 9	414	56·1	42·0	49·1	–	65	4	31	19	–	–	2·32	118	·48	16	13	10	0	0	2	1	1	1	7	0	5·28	–
Upavon	21–9 9	578	55·4	41·2	48·3	–	65	4	31	19	–	–	2·73	–	·62	16	12	11	0	0	4	1	2	1	5	0	–	–
Porton ... ¶§	9 9 9	362	56·3	41·1	48·7	+2·2	65	4	30	19	47·6	–	2·73	133	·53	25	14	12	0	0	1	1	0	2	9	1	5·32	99
7a ENGLAND, N.W.																												
Cumberland Sellafield ...	9 9 9	43	52·7	41·5	47·1	–	62	14	31	4	–	–	3·08	127	·60	25	21	18	–	0	–	–	0	1	6	–	5·61	–
Silloth	21–9 9	25	53·0	40·4	46·7	–	65	14	27	4	–	–	2·59	134	·68	25	16	13	0	0	1	1	0	3	5	0	4·87	–
Keswick ... ¶§	9 9 9	254	52·1	41·4	46·7	+1·0	64	14	31	30	47·3	45·7	4·76	145	·90	25	20	19	–	–	1	2	–	1	6	1	4·20	95 S
Newton Rigg ...	9 9 9	560	52·4	38·6	45·5	+1·0	63	14	29	4	–	–	3·21	156	·76	25	20	13	0	0	1	0	0	4	11	0	4·30	95
Westmorland Ambleside ...	9 9 9	151	54·1	39·1	46·6	–	65	14	29	4	–	–	5·06	126	·69	25	21	20	0	0	1	2	0	5	–	0	3·70	–
Moor House ...	9 9 9	1840	46·6	33·9	40·3	–	58	14	20	30	40·8	–	8·46	–	1·67	25	23	17	6	1	1	0	3	14	14	0	3·91	–
Lancashire Barrow-in-Furness	9 9 9	55	52·5	41·2	46·9	–	62	14, 23	34	19	–	–	3·41	–	·95	16	18	17	0	0	1	0	1	0	–	0	–	–
Squires Gate ...	21–9 9	33	53·9	41·4	47·7	–	65	14	33	2	–	–	2·72	148	·87	16	16	11	0	0	4	1	0	0	8	0	5·01	–
Urswick	9 9 9	130	54·3	39·9	47·1	–	63	14, 23	30	4, 19	–	–	3·30	–	·81	16	21	16	0	0	0	2	3	3	–	2	–	–
Poulton-le-Fylde	9 9 9	38	54·1	41·5	47·8	–	66	14	32	19	–	–	2·73	–	1·07	16	13	13	0	0	1	1	0	1	–	0	–	–
Speke	21–9 9	80	55·2	43·5	49·3	–	65	14	35	7	–	–	2·98	–	1·01	16	16	12	0	0	5	1	1	0	3	2	3·97	–
Kirkham ...	9 9 9	77	54·8	41·1	47·9	–	66	14	32	19	–	–	2·61	127	·91	16	14	12	0	0	2	1	0	1	10	0	4·77	–
Garstang ...	9 9 9	68	54·0	41·0	47·5	–	65	14	31	19	–	–	2·47	–	·55	16	16	12	0	0	0	1	0	2	8	0	4·00	–
Morecambe ...	9 9 9	24	54·0	42·8	48·4	+1·8	68	14	35	19	–	–	2·17	105	·54	16	14	11	0	0	0	0	0	0	–	0	4·58	88
Preston (Moor Pk.)	9 9 9	108	55·2	41·6	48·4	–	66	14	31	19, 30	–	–	2·15	97	·60	16	16	11	1	0	0	2	0	2	9	1	–	–
Bolton	9 9 9	352	54·7	40·4	47·5	+1·3	65	14	34	21	46·1	44·9	3·05	115	·45	16	19	16	0	0	0	1	1	0	2	0	4·05	104 S

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation		Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER Number of days											BRIGHT SUNSHINE	
					Means of			Difference from Average	Highest Maximum and Lowest Minimum						Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
		Max.	Min.	Rain	A Max.	B Min.	Mean Temperature Mean of A and B		Maximum	Date	Minimum	Date	1 ft.	4 ft.			Amount	Date	·01in.(0·2mm.) or more	·04in.(1·0mm.) or more										
		G.M.T.		ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																													
Lancashire—	Darwen	9	9	724	53·5	39·5	46·5	+1·8	64	14	32	19	45·8	–	4·40	137	·68	16	21	19	0	0	2	2	0	0	–	0	–	–
cont.	Stonyhurst ¶§	9	9	377	53·8	41·3	47·5	+2·1	65	14	32	19	–	–	2·50	93	·42	16	18	14	1	0	1	1	0	1	3	0	3·90	84
	Helmshore ...	9	9	854	52·3	40·5	46·4	–	63	14	33	19	45·6	–	5·22	–	·64	7,25	20	16	0	0	1	2	1	0	10	0	3·71	–
	Burnley	9	9	458	54·0	40·8	47·4	+2·5	66	14	29	19	46·8	45·0	3·23	124	·53	25	16	16	0	0	3	1	0	3	11	0	–	–
	Nelson	9	9	540	53·1	40·4	46·7	–	66	14	31	19	46·5	44·5	2·95	110	·52	7	17	15	–	0	–	–	0	1	7	–	3·18	– S
	Rochdale ...	9	9	362	55·0	40·0	47·5	–	66	14	30	19, 21	–	–	3·29	–	·41	7	17	15	0	0	4	2	0	2	2	0	3·51	–
Cheshire	West Kirby Park	9	9	17	54·0	43·0	48·5	–	64	14	32	19	–	–	3·08	–	1·22	16	17	15	0	0	1	0	–	1	0	1	4·52	–
	Bidston Obs'y. ¶§	9	9	198	53·3	43·5	48·4	+1·6	64	14, 24	35	7	–	–	2·41	143	·92	16	15	12	0	–	1	0	1	0	0	0	4·68	88
	Wallasey ...	9	9	57																										
	Northwich(Winnington)	9	9	65	57·2	43·1	50·1	–	66	14	33	30	–	–	3·07	164	1·13	16	16	13	0	0	1	0	1	0	1	2	–	–
	Manchester Airport ¶§	21–9	9	248	56·0	41·9	48·9	+2·9	67	14	31	19	–	–	3·40	180	·81	16	16	13	0	0	4	3	0	1	3	0	4·52	106
	Macclesfield ...	9	9	500	55·4	41·3	48·3	+2·6	65	14	31	19	–	–	2·68	110	·49	16	17	13	2	0	7	2	0	1	–	0	–	–
7b	NORTH WALES																													
Flint	Rhyl	9	9	31	54·3	42·7	48·5	+1·2	67	14	33	19	–	–	2·73	173	1·09	16	15	12	0	0	4	0	0	0	2	1	4·23	79
	St. Asaph ...	9	9	75	55·2	41·5	48·3	–	65	14, 24	32	19	–	–	3·62	–	1·82	16	16	11	–	–	–	–	0	1	15	–	–	–
	Prestatyn ...	9	9	12	54·5	42·7	48·6	–	65	14, 24	34	19	–	–	3·16	187	1·35	16	16	13	0	0	1	0	0	0	–	4	3·81	–
	Hawarden Bridge	9	9	17	56·2	42·2	49·2	+1·6	66	14	34	21	–	–	3·26	185	1·47	16	15	13	0	0	3	0	0	0	–	0	–	–
Anglesey	Holyhead (Valley)	21–9	9	26	53·6	43·4	48·5	+1·4	64	14	36	19	–	–	2·14	113	·59	25	18	10	0	0	3	0	0	0	4	3	4·90	84
Denbigh	Colwyn Bay ...	9	9	118	55·0	43·9	49·5	+1·9	65	14	34	19	–	–	4·33	251	1·59	16	18	14	0	0	0	0	–	0	–	0	4·56	85
	Alwen	9	9	1100	51·9	35·6	43·8	–	62	14	25	19	–	–	6·33	–	1·56	16	19	16	–	–	–	–	10	11	–	–	–	–
	Bwlchgwyn ...	9	9	1267																										
	Ruabon	9	9	312	55·5	41·5	48·5	–	63	14, 24	33	19	–	–	4·98	–	1·50	16	17	16	0	0	4	2	0	0	4	0	3·82	–
	Wrexham ...	9	9	275	55·9	41·2	48·5	–	64	13	33	19	47·7	46·5	4·20	–	1·64	16	14	13	0	0	3	0	0	0	4	0	–	–
Caernarvon	Bryn Adda ...	9	9	275	53·5	42·9	48·2	–	64	14	36	7	–	–	4·11	–	1·03	16	19	17	0	0	4	0	0	0	5	2	3·82	–
	Aber	9	9	60	54·1	43·8	48·9	+1·4	65	14	36	19	–	–	4·06	174	1·17	16	19	17	0	0	3	0	0	0	–	1	3·90	76
	Llandudno ¶§	9	9	13	53·8	43·8	48·8	+1·2	65	14	35	19	–	–	3·35	198	1·22	16	16	10	0	0	4	0	0	0	–	0	4·52	82
Merioneth	Harlech	21–9	9	754	51·3	42·1	46·7	–	62	14	36	7, 19	–	–	5·41	–	1·03	25	22	15	0	0	2	0	2	0	2	0	–	–
	Blaenau Ffestiniog	9	9	750	51·7	40·9	46·3	–	62	14	32	29	–	–	7·43	–	1·65	25	22	22	0	0	5	0	0	1	–	0	2·79	–
	Corwen	9	9	473	54·8	38·7	46·7	–	62	14, 24	29	19	–	–	5·07	–	1·39	16	19	16	1	0	0	0	–	3	1	–	–	–
Montgomery	Lake Vyrnwy ...	9	9	995	51·7	38·5	45·1	–	60	24	29	19	–	–	5·02	124	·84	25	20	18	3	0	3	1	0	1	7	3	–	–
8a	SOUTH WALES																													
Cardigan	Aberporth ...	21–9	9	376	52·6	43·6	48·1	–	62	23	38	21, 29	–	–	3·31	139	·64	14	17	11	0	0	3	0	0	0	0	0	5·19	–
	Aberystwyth ...	9	9	12	53·3	44·7	49·0	–	64	14	37	19	–	–	3·33	–	·93	16	17	14	0	0	4	0	0	0	–	4	4·46	84
	,, P.B.S.*	9	9	452	53·2	42·4	47·8	–	63	14	36	19	–	–	3·43	–	·95	16	20	11	0	0	1	1	1	0	4	0	4·11	80
	Gogerddan ...	9	9	103	54·8	41·9	48·3	–	65	14	32	30	–	–	3·61	157	1·05	16	16	13	0	0	1	1	1	1	5	0	4·14	–
	Swyddffynnon ...	9	9	540	53·8	40·8	47·3	–	62	14, 23	31	30	–	–	4·50	–	1·03	16	17	16	0	0	6	0	0	2	4	0	–	–
	Trawscoed ...	9	9	200	55·2	40·2	47·7	–	65	14	29	30	–	–	4·05	143	·78	16	19	13	2	0	2	1	0	1	5	0	3·34	–
	Llety-evan-hen ...	9	9	950	51·5	40·8	46·1	–	61	14	33	7	–	–	4·37	–	·85	16	22	19	0	0	1	1	1	0	4	1	3·18	–
Pembroke	Dale Fort ...	9	9	109	53·8	45·1	49·5	–	59	23	40	29	–	–	2·12	–	·42	25	15	10	0	0	1	1	2	0	0	2	5·96	–
	Brawdy	9	9	360	52·8	43·1	47·9	–	60	23	36	29	–	–	2·74	–	·58	25	11	10	0	0	4	0	2	0	0	3	4·85	–
	Milford Haven ...	9	9	179	54·7	43·9	49·3	–	61	23	38	21, 29	–	–	2·37	–	·55	25	14	9	0	0	1	0	1	0	–	0	5·55	–
	Haverfordwest ...	9	9	131	55·3	43·9	49·6	+2·8	60	1,4,9,23	34	21	–	–	3·43	142	·70	25	12	9	0	0	0	0	0	0	–	0	–	–
Radnor	Llandrindod Wells ¶§	9	9	772	55·9	39·9	47·9	+2·0	64	24	31	19	–	–	3·88	147	1·12	16	18	13	0	0	0	0	0	2	–	0	4·10	81
Brecknock	Llwynon ...	9	9	860	53·8	39·7	46·7	–	62	4,9,13,14	33	10	–	–	6·63	–	1·19	25	20	18	0	0	3	1	0	0	–	0	–	–
Glamorgan	Mumbles Head ...	21–9	9	117	53·1	45·0	49·1	–	62	4	39	30	–	–	–	–	–	–	–	–	0	0	2	0	0	0	3	0	–	–
	Swansea	9	9	27	55·9	44·8	50·3	+1·6	62	4, 24	38	10	52·6	51·5	3·59	149	·72	25	20	16	0	0	0	0	0	0	0	0	5·41	101
	Port Talbot ...	9	9	24	57·1	44·8	50·9	–	66	24	35	19	–	–	3·59	–	·63	25	21	16	0	0	0	0	0	0	0	–	4·16	– S
	Neath	9	9	153	56·1	45·2	50·7	–	64	24	38	19	–	–	4·75	–	1·07	16	20	18	0	0	1	0	0	0	0	0	–	–
	Rhoose	21–9	9	220	54·6	43·2	48·9	–	64	4	35	19	–	–	2·53	116	·68	16	18	13	0	0	1	1	0	0	3	0	5·15	–
	Cardiff ... ¶§	9	9	202	56·6	43·3	49·9	+2·1	65	4, 24	35	19	50·4	48·3	3·19	125	·54	11	19	15	0	–	2	1	0	0	4	–	4·76	86
Monmouth	Tredegar ...	9	9	1028	53·2	39·8	46·5	–	61	4, 24	29	11	–	–	6·65	–	1·52	16	20	16	0	0	2	1	2	2	9	0	4·36	– S
	Newport	9	9	75	56·3	42·8	49·5	–	66	4	35	19	–	–	3·14	126	·54	16	21	17	0	0	0	0	0	–	0	0	4·24	–
	Usk	9	9	70	57·0	41·6	49·3	–	65	13	30	23	50·8	–	3·61	142	·73	16,25	16	13	0	0	1	1	0	1	3	0	4·26	–
	Crumbland Plantation	9	9	804	54·4	40·8	47·6	–	63	13	32	19,22	48·0	46·8	4·35	–	1·04	16	17	14	0	0	3	0	0	2	5	0	5·17	–
8b	ENGLAND, S.W.																													
Somerset	Hawkridge (Liscombe)	9	9	1030	52·6	40·1	46·3	–	62	4	32	9, 29	–	–	5·02	–	1·24	16	20	17	–	0	–	–	0	2	0	–	–	–
	Bickenhall ...	9	9	231	56·8	41·8	49·3	–	65	4	32	29	50·1	48·2	3·35	–	·77	16	17	12	0	0	2	0	0	1	7	1	5·49	–
	Cannington ...	9	9	95	57·0	43·3	50·1	–	68	4	34	29	–	–	3·03	155	1·20	16	14	13	0	0	1	0	0	0	3	1	5·31	–
	Weston-s.-Mare ...	9	9	28	56·5	44·5	50·5	–	67	4	38	19	–	–	2·29	112	·51	16	16	10	0	0	0	0	0	0	1	0	5·16	97
	Long Ashton ...	9	9	162	56·4	43·1	49·7	+1·9	68	4	35	29	49·9	–	2·87	128	·60	16	17	14	0	0	1	0	0	0	7	0	4·91	92
	Bath ... ¶§	9	9	67	57·3	43·3	50·3	+1·9	68	4	32	19	50·8	48·5	2·39	113	·56	16	14	12	0	0	1	0	0	1	2	–	5·22	100
Dorset	Portland Bill ...	21–9	9	35	53·0	46·7	49·9	+2·5	58	17	38	19	–	–	1·77	113	·37	25	14	10	–	0	–	–	0	0	–	–	–	–
	Weymouth ...	9	9	16	57·0	44·6	50·8	+2·2	63	3	35	19	–	–	1·94	108	·46	25	13	12	0	0	0	0	0	0	0	0	6·24	104
	Shaftesbury ...	9	9	680	54·6	41·7	48·1	+1·7	63	4	33	19	–	–	2·96	138	·46	25	15	12	–	0	–	–	0	–	–	–	–	–
	Swanage	9	9	37	55·2	43·7	49·5	–	(63)	(3)	36	10,11,19	–	49·2	2·22	–	·42	25	13	10	0	–	0	0	0	0	0	0	6·28	–
	Poole	9	9	18	57·6	42·5	50·1	–	65	3	32	10,19	–	–	2·57	–	·48	25	13	11	0	0	1	0	0	2	–	1	5·91	–
Devon	Hartland Pt. ...	21–9	9	298	52·7	45·4	49·1	–	64	13	41	21,29	–	–	2·26	–	·41	16	16	12	0	0	1	0	0	0	0	1	5·40	–
	Plymouth (Mt. Batten)	21–9	9	87	54·7	44·9	49·8	+1·4	62	4	36	29	–	–	4·17	190	·98	16	15	14	0	0	2	0	0	0	1	2	5·55	95
	Plymouth (The Hoe)	9	9	119	55·7	45·2	50·5	+1·4	63	4	37	29	50·8	49·8	3·65	166	·75	16	16	13	0	0	3	0	0	0	0	2	5·31	90
	Tavistock ...	9	9	457	54·9	42·4	48·7	+1·2	66	4	34	29	–	–	5·43	–	1·25	16	16	13	–	0	–	–	0	0	–	0	–	–
	Chivenor ...	21–9	9	20	56·7	44·8	50·7	–	69	13	38	5, 29	–	–	2·50	–	·91	16	15	13	0	0	1	0	0	0	2	0	5·85	–
	Ilfracombe ...	9	9	25	55·0	46·5	50·7	+2·2	67	14	41	4, 19	52·5	51·3	2·87	125	·61	16	15	11	0	0	0	0	0	0	2	0	5·81	103
	Princetown ...	9	9	1359	50·3	39·8	45·1	–	60	14	34	19, 29	–	–	9·28	179	1·92	25	18	18	0	0	0	1	2	0	9	0	–	–
	**Totnes	9	9	120	56·8	42·4	49·6	–	64	24	31	29	50·3	48·8	5·06	170	1·00	25	15	13	0	0	2	1	0	1	8	0	4·62	–
	†Newton Abbot ...	9	9	272	56·0	43·3	49·7	+1·9	63	24	33	29	–	–	3·65	147	·89	16	15	12	0	0	0	0	0	0	1	0	5·00	88 S
	Paignton... ...	9	9	8	55·9	44·0	49·9	–	63	24	36	10,28,29	–	–	3·73	149	·74	16	16	13	0	0	0	0	0	0	3	0	5·02	85
	Torquay	9	9	26	55·9	45·0	50·5	+1·7	62	24	36	10	–	50·3	3·06	135	·57	25	13	12	0	0	1	0	2	0	0	2	5·43	91
	Teignmouth ¶§	9	9	20	55·8	45·8	50·8	+1·9	62	24	37	29	–	–	3·27	154	·81	16	15	10	0	0	1	0	0	0	0	0	5·28	89

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER APRIL 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in. (0·2mm.) or more	Precip'n ·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																												
Devon—cont. Starcross... ...	9 9 9	29	55·5	43·7	49·6	–	61	3, 24	34	29	–	–	3·30	–	·82	16	15	13	–	0	–	–	0	0	4	–	5·40	–
Exmouth ...	9 9 9	195	54·2	43·5	48·9	+1·3	61	3	35	29	–	–	3·03	136	·85	16	14	12	0	0	0	0	1	0	–	0	5·48	98
Exeter	21–9 9	106	55·8	42·9	49·3	–	63	3	33	29	–	–	2·54	119	·49	16	16	12	0	0	1	0	0	0	5	0	4·98	–
Ufculme... ...	9 9 9	400	55·4	42·4	48·9	–	63	4	34	29	–	–	3·12	–	·69	16	17	13	–	0	–	–	0	0	–	–	5·44	–
Sidmouth ...	9 9 9	25	54·5	44·1	49·3	+1·4	59	17, 30	35	10	–	–	2·66	–	·53	16	16	14	–	0	–	–	–	0	0	–	5·20	–
Cornwall St. Mary's, Scilly	21–9 9	158	54·9	46·8	50·9	+1·9	59	3	42	9	–	–	2·52	119	·65	15	13	8	0	0	1	0	0	0	–	6	5·70	92
Penzance ...	9 9 9	62	55·6	45·4	50·5	+0·9	61	3	40	21,25,29	–	–	3·06	122	·64	25	15	12	0	0	2	0	0	0	–	1	5·64	94
Gulval	9 9 9	50	55·2	45·4	50·3	+1·3	61	3,4	40	6,29	–	–	3·23	–	·67	25	14	12	0	0	2	0	0	0	–	0	5·18	86
Camborne (Rosewarne)	9 9 9	250	54·2	45·2	49·7	–	60	2, 23	39	29	–	49·3	3·21	–	·68	25	17	13	0	0	0	0	0	0	0	1	5·23	–
Constantine ...	9 9 9	310																										
Falmouth ¶§	9 9 9	167	54·6	45·1	49·9	+0·8	60	3, 24	39	29	–	–	3·58	137	·96	25	14	13	0	0	2	0	0	0	0	0	6·24	105
Newquay ...	9 9 9	176	54·6	45·4	50·0	+1·8	61	23, 24	37	29	–	–	2·26	116	·49	25	13	11	0	–	1	0	–	0	–	0	5·63	95
St. Mawgan ...	21–9 9	337	53·8	44·2	49·0	–	62	4	38	29	–	–	2·40	–	·48	24	16	13	0	0	0	0	0	0	0	0	6·26	–
St. Austell ...	9 9 9	310	55·1	–	–	–	62	3	–	–	–	–	4·30	147	·86	25	19	13	0	–	2	0	1	–	–	0	–	–
Fowey	9 9 9	51	56·1	45·4	50·7	+1·6	62	15, 20	36	29	–	–	2·88	–	·49	25	17	12	0	0	0	0	0	0	–	0	–	–
Bude	9 9 9	50	55·2	44·5	49·9	+1·8	64	4	35	5	–	–	2·24	115	·49	16	16	13	0	0	3	0	–	0	–	0	4·95	84
Ellbridge ...	9 9 9	190	55·4	43·2	49·3	–	63	4	33	29	–	–	4·67	–	1·18	16	16	15	0	0	0	0	0	0	2	0	4·99	–
NORTHERN IRELAND																												
Londonderry Ballykelly ¶§	21–9 9	3	53·7	41·2	47·5	+1·0	62	23	31	11, 30	–	–	2·71	121	·52	25	22	16	0	0	5	1	0	2	6	0	5·28	109
Garvagh ¶	9 9 9	121	54·0	39·1	46·5	+0·9	60	12,21,23	31	4,11,30	47·6	–	3·27	122	·69	25	22	17	1	0	5	2	0	4	12	0	–	–
Antrim Aldergrove ¶§	21–9 9	217	53·3	40·3	46·8	+1·2	60	23	30	30	–	–	1·97	90	·59	25	19	12	0	0	2	2	1	3	8	1	4·88	99
Nutts Corner ...	21–9 9	338	53·0	39·5	46·3	–	60	21, 23	29	30	–	–	2·47	–	·69	25	22	15	2	0	5	2	1	2	5	0	–	–
Parkmore Forest	9 9 9	779																										
Down Hillsborough §	9 9 9	388	53·1	40·4	46·7	–	59	12	32	29	47·5	–	2·36	107	·62	25	22	14	0	0	3	1	0	1	6	0	4·72	98
Kilkeel	21–9 9	59	52·9	41·3	47·1	–	58	1,21,23	34	25, 29	–	–	2·24	–	·85	25	18	11	0	0	1	0	0	0	2	4	–	–
Belfast (Stormont Castle) ...	9 9 9	200	53·3	40·7	47·0	–	59	21, 23	32	29	–	–	2·44	–	·67	25	19	17	0	0	3	1	–	1	–	–	–	–
Armagh Armagh ... ¶§	9 9 9	205	55·7	39·9	47·8	+1·5	62	21	32	4,29,30	49·2	47·9	2·90	140	·78	25	20	14	0	0	3	1	2	3	5	1	5·24	109
Loughgall ...	9 9 9	91	54·9	38·6	46·7	–	61	21	28	4	–	–	2·45	–	·60	25	21	14	0	0	4	1	–	6	14	1	4·93	–
Fermanagh Ely Lodge ...	9 9 9	200	53·7	40·4	47·1	–	60	17, 23	31	4, 30	48·7	46·9	3·97	–	·75	25	22	21	0	0	7	0	2	4	8	0	–	–
CHANNEL ISLES																												
Guernsey States Airport ...	9 9 9	340	54·3	45·3	49·8	–	66	4	40	21	51·3	50·1	3·20	152	·54	15	18	17	0	0	1	0	1	0	0	0	5·85	–
Alderney States Airport ...	9 9 9	288	53·9	43·7	48·8	–	62	4	40	10,20,21	50·5	–	2·23	–	·43	15	17	15	0	0	0	0	1	0	–	1	5·65	–
Jersey Jersey Airport ...	9 9 9	273	55·8	45·4	50·6	–	71	4	39	21	–	–	2·88	137	·57	15	16	12	0	–	0	0	0	0	2	0	5·87	–
St. Helier ...	9 9 9	28	57·0	47·6	52·3	–	72	4	40	21	–	–	3·32	172	·70	16	16	12	0	–	0	0	0	0	–	0	6·01	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	MEAN TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	MEAN TEMPERATURE AND HUMIDITY: Vapour Pressure	MEAN TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations 0	1 to 2	3 to 5	6 to 7	8	9	VISIBILITY: Number of Observations 0-44 yd.	45-219 yd.	220-439 yd.	440-1,099 yd.	1,100-2,199 yd.	2,200-4,399 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																												Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
0 SCOTLAND, N.			3	272	1003·2	–	41·8	0·8	8·4	93	6·1	0	5	3	9	12	1	0	0	1	0	3	2	5	1	12	6	0	4	14	12	0	3	5	4	3	3	6	6	0
Zetland	Lerwick Observatory	H	9	272	1003·7	-6·6	44·5	2·0	8·3	83	6·7	0	0	5	15	8	2	0	0	2	0	0	1	4	4	9	10	0	6	15	9	0	3	3	3	1	8	5	6	1
			15	272	1004·2	–	45·5	2·4	8·5	82	6·2	0	3	4	10	11	2	0	1	1	0	1	1	3	4	15	4	0	9	14	7	0	2	3	3	3	4	7	4	7	0
			21	272	1003·4	–	42·2	0·8	8·5	92	6·2	0	3	5	10	11	1	0	1	0	1	0	2	7	5	12	2	0	4	13	7	6	3	1	2	4	8	1	5	0	3
			3	94	1003·6	–	41·5	0·8	8·3	92	5·5	0	4	10	7	8	1	0	0	1	0	0	0	4	6	17	2	0	1	12	13	4	2	1	3	1	5	5	6	3
			9	94	1004·4	–	45·8	1·9	8·9	85	6·3	0	4	4	12	10	0	0	0	0	0	0	0	5	2	15	8	0	1	19	10	0	2	4	3	2	7	4	7	1	0
Orkney	Grimsetter..	H	15	94	1004·3	–	47·7	2·8	9·0	81	6·1	0	5	2	14	9	0	0	0	0	0	1	0	5	3	10	11	0	2	21	7	0	4	2	2	5	7	3	7	0	2
			21	94	1004·5	–	43·1	1·1	8·7	91	6·4	0	5	2	7	16	0	0	1	0	0	0	0	6	8	12	3	0	1	15	13	1	5	1	5	2	6	2	6	2	2
			3	121	1004·3	–	41·5	1·3	7·9	89	5·7	0	5	5	13	6	1	0	1	0	0	0	1	3	4	13	8	0	1	12	13	4	2	1	1	4	4	3	8	5	3
			9	121	1005·0	-5·8	45·6	2·2	8·5	82	6·5	0	0	6	16	8	0	0	0	0	0	0	1	2	6	11	10	0	2	16	11	1	3	1	2	4	10	2	5	2	0
Caithness	Wick ..	H	15	121	1005·0	–	47·7	3·1	8·6	77	6·1	0	3	7	11	9	0	0	0	0	0	1	0	3	4	8	14	0	3	17	10	0	2	3	2	9	6	1	7	0	1
			21	121	1005·0	–	43·3	1·7	8·2	86	6·2	0	3	4	15	8	0	0	0	0	0	0	0	5	9	11	5	0	2	11	14	3	4	1	2	5	4	3	7	0	1
			3	371	1003·5	–	43·0	1·0	8·7	92	6·6	0	1	5	9	13	2	0	0	1	0	1	0	1	3	6	18	0	4	10	16	0	1	2	8	3	5	5	3	4	3	2
			9	371	1003·6	–	44·4	1·5	8·8	89	6·9	0	1	5	7	15	2	0	1	1	0	0	0	1	1	9	18	0	5	8	16	1	1	4	4	6	4	2	2	3	2	3
Sutherland	Cape Wrath		15	371	1003·8	–	45·9	1·5	9·4	89	6·6	0	1	5	11	13	0	0	0	0	0	0	0	1	2	6	21	0	3	14	11	2	2	0	5	3	3	9	4	5	2	3
			21	371	1004·1	–	44·0	0·9	9·2	93	6·6	0	2	3	11	13	1	0	1	0	0	0	0	0	3	6	20	1	4	10	14	1	1	2	5	5	2	6	5	3	3
			3	16	1004·0	–	42·6	1·3	8·4	89	4·5	2	10	3	7	8	0	0	0	0	0	0	0	2	6	20	2	0	3	11	16	0	6	1	5	0	10	3	3	2	3
Ross & Cromarty	Stornoway	H	9	16	1004·2	-6·7	45·7	2·1	8·8	83	6·2	0	3	6	12	9	0	0	0	0	0	0	0	2	8	12	8	0	4	21	5	0	3	3	4	3	8	3	3	3	4
			15	16	1004·4	–	48·8	3·5	8·8	75	5·9	0	5	5	12	8	0	0	0	0	0	0	0	1	7	13	9	0	7	16	6	1	1	6	2	1	8	3	3	4	4
			21	16	1004·6	–	44·2	1·8	8·5	85	5·4	0	6	6	12	6	0	0	0	0	0	0	0	2	9	15	4	0	1	20	9	0	2	5	6	0	5	5	3	4	4
			3	21	1004·0	–	43·9	1·4	8·6	88	5·5	0	5	5	13	7	0	0	0	0	0	0	0	1	6	19	4	0	4	12	12	2	6	2	1	5	7	3	3	1	3
Inverness	Benbecula..	H	9	21	1004·3	–	46·8	2·2	9·0	82	6·4	1	0	5	15	9	0	0	0	0	0	0	0	3	9	12	6	1	7	13	9	0	5	2	2	4	9	3	2	3	3
			15	21	1004·5	–	48·6	2·9	9·2	79	5·4	0	6	7	9	8	0	0	0	0	0	0	0	4	5	9	12	0	8	17	5	0	4	1	1	6	4	6	2	2	6
			21	21	1004·6	–	45·0	1·7	8·9	87	4·8	1	5	8	11	5	0	0	0	0	0	0	0	2	7	10	11	0	3	15	11	1	4	4	2	2	5	2	5	5	
1 SCOTLAND, E.			3	19	1004·3	–	42·1	1·5	8·0	87	6·2	0	4	4	10	12	0	0	0	0	0	0	1	3	9	11	6	0	1	7	21	1	1	2	2	2	7	10	4	1	
			9	19	1004·8	–	47·4	3·4	8·3	75	6·1	0	2	8	15	5	0	0	0	0	0	0	0	2	3	10	15	0	3	10	17	0	2	1	2	1	4	9	6	1	5
Moray	Kinloss ..	H	15	19	1004·6	–	50·5	4·7	8·4	68	5·9	0	2	8	15	5	0	0	0	0	0	0	0	2	3	13	12	0	1	21	8	0	3	5	3	0	5	2	8	4	
			21	19	1004·8	–	44·6	2·0	8·4	84	6·4	0	3	2	15	10	0	0	0	0	0	0	1	4	8	12	5	0	1	9	19	1	1	2	5	1	4	8	6	2	
			3	193	1005·4	–	41·3	1·0	8·2	91	5·5	1	6	4	11	6	2	0	1	0	1	1	0	11	12	4	0	0	6	12	12	1	1	0	0	2	8	1	5	1	6
			9	193	1005·7	-6·0	46·8	2·7	8·6	79	5·8	0	3	7	12	8	0	0	0	0	0	0	1	10	9	10	0	0	2	11	15	2	3	1	1	1	9	2	5	5	6
Aberdeen	Dyce ..	H	15	193	1005·9	–	49·2	3·6	8·8	74	6·3	0	3	4	14	9	0	0	0	0	0	1	6	14	8	1	0	1	16	10	3	3	0	2	4	11	1	2	4	0
			21	193	1006·0	–	43·6	1·2	8·7	90	6·0	2	4	1	14	9	0	0	0	0	0	1	2	14	9	4	0	0	0	9	9	12	2	0	2	0	7	1	6	4	0
			3	108	1004·3	–	42·5	1·5	8·2	88	5·4	0	3	11	13	3	0	0	0	0	0	0	0	1	19	10	0	0	2	12	14	2	2	0	2	2	10	2	9	1	2
			9	108	1004·8	–	45·6	2·6	8·4	80	5·2	0	2	13	12	3	0	0	0	0	0	0	0	4	6	20	0	2	2	14	12	0	2	0	3	1	9	2	11	2	
	Rattray Head ..		15	108	1005·0	–	47·8	3·4	8·4	74	5·4	0	2	10	15	3	0	0	0	0	0	0	0	3	7	20	0	0	4	17	9	0	7	0	3	3	10	0	6	6	2
			21	108	1005·0	–	43·7	2·0	8·2	84	5·5	0	2	10	14	4	0	0	0	0	0	0	0	3	16	11	0	0	2	14	13	1	3	0	1	4	2	10	2	6	2
			3	36	1004·9	–	43·1	1·8	8·2	85	5·1	5	3	3	11	8	0	0	0	0	0	0	0	10	10	6	4	0	0	5	16	9	0	1	1	2	2	2	12	0	
			9	36	1005·7	-6·4	48·1	3·8	8·3	71	5·5	0	5	10	10	5	0	0	0	0	0	0	0	8	4	12	6	0	0	11	15	4	3	1	1	0	4	4	12	0	1
Fife	Leuchars ..	H	15	36	1005·4	–	52·1	5·9	8·1	61	5·7	0	3	7	14	6	0	0	0	0	0	0	0	3	5	15	7	0	0	16	13	1	0	2	5	4	1	7	8	2
			21	36	1005·5	–	46·1	2·8	8·4	79	6·1	2	3	1	12	12	0	0	0	0	0	0	1	3	12	9	5	0	0	6	19	5	0	5	2	2	3	5	7	1	0
			3	114	1005·5	–	42·0	1·0	8·4	91	5·2	3	4	6	5	11	1	0	0	0	1	0	1	10	15	3	0	0	1	6	16	7	2	1	1	0	3	6	10	0	
			9	114	1006·4	–	48·4	3·0	9·0	78	5·9	0	2	6	19	3	0	0	0	0	0	1	6	12	10	1	0	4	14	11	1	0	1	1	0	1	6	7	14	0	
Midlothian	Turnhouse	H	15	114	1006·0	–	52·0	4·7	9·0	69	6·2	0	1	8	14	7	0	0	0	0	0	0	0	8	12	5	5	0	5	13	12	0	1	5	2	0	4	4	13	0	
			21	114	1006·0	–	45·1	1·8	8·9	86	5·8	0	6	4	12	8	0	0	0	0	0	0	2	15	11	2	0	0	3	10	13	4	2	4	3	1	4	6	6	0	
6a SCOTLAND, W.			3	34	1004·2	–	44·6	1·6	8·8	87	5·7	0	4	7	10	9	0	0	0	0	0	0	0	4	12	10	4	0	4	13	9	4	6	1	0	4	6	3	4	2	3
			9	34	1005·2	-6·4	47·1	2·4	9·0	81	6·1	0	4	4	15	7	0	0	0	0	0	0	0	4	12	5	9	0	0	7	15	7	1	5	1	0	3	9	2	6	3
Argyll	Tiree ..	H	15	34	1005·1	–	49·3	3·3	9·2	76	5·5	1	3	10	6	10	0	0	0	0	0	0	0	4	12	0	14	0	8	12	10	0	5	0	0	5	8	3	5	4	
			21	34	1005·0	–	45·6	2·0	8·8	84	4·9	0	9	6	10	5	0	0	0	0	0	0	1	3	7	9	10	0	3	9	15	3	3	1	2	3	6	3	4	5	2
			3	122	1004·3	–	45·0	1·7	8·8	86	5·2	0	7	8	8	7	0	0	0	0	0	0	0	5	6	19	2	1	4	23	0	3	1	1	3	10	5	5	7	1	
			9	122	1005·5	–	46·9	2·3	9·1	83	5·7	0	2	12	7	9	0	0	0	0	0	0	1	2	10	17	1	2	5	22	0	5	0	0	2	11	4	7	5	2	
	Rhuvaal	H	15	122	1005·2	–	49·4	3·2	9·3	78	5·7	0	3	10	8	9	0	0	0	0	0	0	1	4	9	16	2	1	7	20	0	2	0	1	3	8	6	5	6	
			21	122	1005·1	–	46·5	2·1	9·1	84	5·3	0	7	8	6	9	0	0	0	0	0	0	2	5	17	16	1	3	3	21	2	2	1	2	2	7	5	6	3		
			3	29	1005·4	–	43·1	1·5	8·3	88	5·2	2	6	5	8	9	0	0	0	0	0	0	4	12	5	9	0	0	0	7	11	12	1	3	2	0	3	3	6	0	
			9	29	1006·4	-6·3	47·5	2·8	8·8	79	6·1	0	0	11	10	9	0	0	0	0	1	0	6	10	7	4	2	0	1	9	16	4	1	1	0	1	7	6	10	0	
Renfrew	Renfrew ..	H	15	29	1006·0	–	52·2	5·2	8·6	65	6·2	0	1	8	13	8	0	0	0	0	0	2	7	11	5	5	0	0	4	14	11	1	1	1	2	3	4	5	10	3	
			21	29	1005·9	–	45·9	2·2	8·8	83	4·8	2	10	4	3	11	0	0	0	0	1	0	10	15	3	1	0	0	1	9	14	6	0	1	4	2	3	5	9	0	
			3	33	1005·6	–	44·1	2·0	8·5	85	5·7	4	4	2	3	17	0	0	0	0	0	0	1	6	10	12	1	0	0	9	19	2	0	1	2	3	10	4	2	5	1	2
			9	33	1006·6	–	47·7	2·9	8·8	79	6·2	0	3	3	17	7	0	0	0	0	0	1	7	7	13	2	0	0	1	13	17	0	0	1	4	3	9	4	7	7	2
Ayr	Prestwick Airport	H	15	33	1006·2	–	51·6	4·9	8·7	67	6·3	0	2	5	13	10	0	0	0	0	0	0	1	8	12	9	0	0	2	19	8	1	1	1	2	2	4	9	7	3	
			21	33	1006·0	–	47·1	2·6	9·0	81	5·0	1	7	7	5	10	0	0	0	0	0	0	0	8	11	8	3	0	0	16	14	0	1	0	7	5	3	5	5	4	2
			9	778	1006·7	-5·8	44·3	1·9	8·4	84	6·4	0	3	3	15	8	1	0	0	0	0	1	0	6	7	10	6	0	1	8	13	8	1	3	0	1	4	5	6	8	1
Dumfries	Eskdalemuir	H	15	778	1006·1	–	48·8	4·1	8·2	70	6·7	0	0	4	17	9	0	0	0	0	0	0	0	3	5	10	12	0	3	11	14	2	1	3	0	2	4	9	8	2	1
			21	778	1006·5	–	41·6	1·2	8·1	90	5·5	2	5	2	11	10	0	0	0	0	0	1	1	5	9	8	6	0	2	5	12	11	1	1	0	2	3	6	4	7	2
			3	260	1006·1	–	44·3	0·9	9·4	93	4·6	3	4	11	5	7	0	0	0	0	0	1	4	24	1	2	5	8	15	0	2	0	0	1	7	9	7	4		
			9	260	1007·2	–	46·5	1·3	9·7	90	6·4	0	3	5	6	16	0	0	1	0	1	1	0	0	2	25	0	1	5	11	13	0	4	0	0	1	7	4	8	6	
Wigtown	Mull of Galloway	H	15	260	1006·7	–	48·8	2·7	9·5	80	6·2	0	3	6	8	13	0	0	0	0	1	0	0	1	1	27	0	1	5	13	11	0	2	0	2	2	6	5	11	2	
			21	260	1006·4	–	45·6	1·3	9·4	89	5·4	0	6	9	6	9	0	0	0	1	0	0	0	0	3	24	2	2	6	12	10	0	2	0	0	3	6	6	8	5	
6b ISLE OF MAN			3	31	1006·2	–	44·4	1·5	8·9	89	4·1	2	9	8	7	4	0	0	0	0	0	0	0	2	4	20	4	0	2	9	18	1	2	3	1	3	8	4	4	4	
Isle of Man	Point of Ayre ..		9	31	1007·2	–	48·3	2·3	9·6	83	6·0	0	2	7	16	5	0	0	0	0	0	0	0	1	6	21	2	0	2	10	17	1	2	1	1	5	5	6	5	4	
			15	31	1007·7	–	51·6	7·1	9·6	74	5·8	0	6	5	9	10	0	0	0	0	0	0	0	0	5	18	7	0	2	13	15	0	2	1	1	4	5	3	9	4	
			21	31	1006·5	–	46·6	1·9	9·3	86	5·6	1	5	2	16	6	0	0	0	0	0	0	0	2	5	19	4	0	4	13	13	0	4	1	2	1	10	4	4	4	
			3	68	1007·0	–	43·9	1·1	8·9	90	4·3	2	8	9	5	6	0	0	0	0	0	1	0	2	10	7	10	0	5	7	11	7	3	1	1	0	2	6	3	4	4
	Ronaldsway	H	9	68	1007·9	–	47·9	2·1	9·5	83	6·2	0	2	6	16	6	0	0	0	0	0	1	1	3	8	11	6	0	4	10	13	3	1	1	0	3	3	6	2	4	6
			15	68	1007·6	–	50·1	3·4	9·4	76	6·2	0	4	4	11	11	0	0	0	0	0	1	0	3	12	4	10	0	1	18	10	1	1	0	4	3	8	4	6	7	3
			21	68	1007·3	–	46·0	1·5	9·4	88	5·4	1	5	7	6	11	0	0	0	0	0	0	0	6	10	4	10	1	2	11	12	4	6	0	0	2	5	1	9	3	
2 ENGLAND, N.E.			3	142	1006·1	–	41·6	1·2	8·1	89	4·7	6	6	2	3	13	0	0	0	0	0	0	0	3	12	6	9	0	0	1	7	18	4	3	0	0	0	7	6	8	2
Northumberland	Acklington	H	9	142	1007·0	–	49·0	3·6	8·8	74	5·6	0	3	8	17	2	0	0	0	0	0	0	0	3	1	9	10	7	0	2	12	15	1	4	0	1	3	9	5	3	1
			15	142	1006·7	–	50·7	4·2	9·0	72	6·5	0	0	6	15	9	0	0	0	0	0	0	0	1	9	6	5	9	0	0	19	11	0	3	2	3	6	5	5	1	
			21	142	1006·6		44·1	1·9	8·5	86	5·0	0	7	7	8	8	0	0	0	0	0	0	0	2	12	9	7	0	0	1	7	15	7	3	2	0	3	5	5	6	5	1	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1959

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																
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)									DIRECTION												
																													Beaufort Force																		
																													8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots															
																																		34 or more	22 to 33	11 to 21	1 to 10	0								
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																							
2 ENGLAND, N.E.—*cont.*																																																
Northumberland—*cont.*	Tynemouth	H	3	130	1006·7	–	44·5	1·8	8·6	85	5·2	7	2	0	11	10	0	0	0	0	0	0	1	13	16	0	0	0	1	9	19	1	3	0	0	0	8	6	11	1
			9	130	1007·5	–5·3	47·8	3·1	8·7	76	5·4	2	3	5	15	5	0	0	0	0	0	4	2	12	12	0	0	0	1	11	18	0	6	0	2	1	5	2	13	1
			15	130	1007·3	–	49·7	3·9	8·8	73	6·4	0	1	7	14	8	0	0	0	0	0	0	4	10	16	0	0	0	3	13	14	0	4	0	2	2	9	6	2	5
			21	130	1007·1	–	46·9	2·8	8·7	79	5·9	0	4	6	11	9	0	0	0	0	0	0	4	19	11	0	0	0	3	8	19	0	3	1	0	0	6	3	1	0
Durham	Middleton St. George	H	3	118	1007·1	–	43·1	1·4	8·5	88	4·8	4	5	6	5	10	0	0	0	0	0	2	4	13	7	4	0	0	1	8	15	0	6	1	0	0	9	7	5	6
			9	118	1007·9	–	48·9	3·6	8·7	73	5·5	1	5	3	17	4	0	0	0	0	0	2	13	7	7	1	0	0	3	9	17	0	2	2	0	0	7	6	8	4
			15	118	1007·3	–	53·6	6·0	8·7	62	6·5	0	1	6	19	4	0	0	0	0	0	4	9	9	4	4	0	1	1	19	10	0	5	3	2	4	3	2	2	0
			21	118	1007·4	–	46·3	2·5	8·7	80	5·1	2	5	5	9	9	0	0	0	0	2	4	8	11	4	1	0	1	1	10	14	0	5	2	2	3	0	0	2	4
Yorks., N. Riding	Dishforth	H	3	131	1007·3	–	43·8	1·5	8·7	88	5·3	4	3	5	7	11	0	0	0	0	0	9	9	6	5	1	0	0	1	11	18	0	7	2	2	3	0	0	2	4
			9	131	1008·1	–	48·6	3·3	9·0	77	5·9	1	2	5	18	4	0	0	0	0	0	1	6	9	6	5	3	0	1	11	17	1	6	0	1	2	3	8	8	4
			15	131	1007·2	–	54·1	5·6	9·1	64	6·3	0	1	6	18	5	0	0	0	0	0	1	7	10	9	3	0	1	20	9	0	4	2	2	3	3	9	4	4	2
			21	131	1007·7	–	47·4	2·6	9·1	81	5·9	1	3	6	10	10	0	0	0	0	0	7	7	10	6	3	0	0	11	18	0	3	2	2	2	3	3	9	4	5
			3	69	1007·6	–	42·5	1·2	8·4	90	5·2	5	5	1	8	11	0	0	0	0	0	3	11	9	2	0	0	0	9	15	0	4	5	0	1	1	5	6	4	4
Yorks., E. Riding	Driffield	H	9	69	1008·4	–	48·4	2·8	9·3	80	5·9	1	3	3	18	5	0	0	0	0	1	3	6	9	6	4	0	3	1	13	0	5	1	4	2	1	4	5	4	4
			15	69	1007·7	–	53·4	5·3	9·2	65	5·9	0	0	11	16	3	0	0	0	0	0	1	9	7	9	4	0	4	14	12	0	3	0	5	4	5	5	6	5	4
			21	69	1008·0	–	45·8	2·1	8·9	84	5·4	0	7	5	8	10	0	0	0	0	0	2	8	7	2	0	0	1	9	15	0	3	2	1	0	3	2	7	8	4
			3	54	1007·9	–	45·3	1·7	9·0	87	3·9	6	5	9	7	2	1	0	1	0	0	1	22	6	0	0	0	1	15	12	0	5	2	1	1	2	2	6	9	3
	Spurn Head	H	9	54	1008·9	–4·2	47·4	2·2	9·4	83	5·1	1	4	8	12	4	1	0	0	1	0	3	14	8	0	0	0	2	15	9	4	5	5	1	1	0	2	0	6	9
			15	54	1008·4	–	50·8	3·8	9·3	75	5·5	0	1	11	13	4	1	1	0	1	0	3	18	7	0	0	0	5	16	8	1	6	4	1	1	1	1	2	2	1
			21	54	1008·1	–	47·1	1·9	9·5	86	4·8	4	5	5	10	6	0	0	0	0	0	2	21	7	0	0	0	5	10	14	1	6	1	0	1	1	3	5	8	4
			3	227	1008·3	–	43·9	1·1	8·9	91	5·0	7	3	1	9	10	0	0	0	1	0	5	4	7	11	0	2	0	0	14	15	0	5	1	0	1	1	3	5	8	8
Lincoln	Waddington	H	9	227	1009·0	–	48·7	2·5	9·5	81	6·1	1	1	7	15	5	1	0	0	1	0	0	3	12	7	6	1	0	4	11	15	0	4	1	1	1	5	7	5	3
			15	227	1008·1	–	54·4	5·6	9·3	65	6·2	0	1	5	21	3	0	0	0	0	0	2	6	8	10	4	0	1	19	9	1	4	4	1	0	2	1	5	7	4
			21	227	1008·5	–	47·4	2·3	9·3	83	5·7	1	5	4	9	11	0	0	0	0	0	6	12	5	7	0	0	1	9	8	2	6	5	1	1	3	7	10	7	8
			3	47	1008·1	–	43·2	1·3	8·6	90	5·4	3	5	2	10	8	2	0	0	0	1	5	12	9	0	1	0	1	11	12	0	4	1	1	1	3	5	6	4	3
	Manby	H	9	47	1009·0	–	49·6	2·9	9·7	80	5·3	1	6	5	12	6	0	0	0	0	1	2	10	9	4	3	0	1	13	16	0	5	0	2	1	2	3	7	6	0
			15	47	1008·3	–	54·2	5·4	9·6	66	5·5	0	3	8	16	3	0	0	0	0	1	1	5	10	10	3	0	3	14	12	1	5	3	2	2	3	5	8	5	2
			21	47	1008·5	–	46·0	1·7	9·1	86	5·9	0	2	2	18	8	0	0	0	0	0	5	16	7	2	0	0	1	12	14	3	3	3	1	5	8	1	6	6	0
3 ENGLAND, E.																																															
Norfolk	Marham	H	3	89	1008·5	–	44·0	1·0	9·0	91	5·0	4	3	9	6	7	1	0	0	1	0	0	3	18	7	1	0	0	0	14	14	2	5	1	2	2	8	7	1	2
			9	89	1009·4	–	49·4	2·5	9·9	82	5·9	2	0	7	15	6	0	0	0	0	0	0	3	12	6	8	1	0	2	16	9	3	4	3	2	2	10	9	3	2
			15	89	1008·7	–	55·3	6·3	9·3	63	6·2	0	2	6	15	7	0	0	0	0	0	0	6	9	8	7	0	4	17	9	0	4	3	1	2	1	9	7	3	2
			21	89	1008·9	–	47·4	1·9	9·6	85	5·8	3	2	5	7	13	0	0	0	0	0	0	2	14	10	4	0	0	3	10	15	0	2	4	1	0	2	1	5	10	8
			3	263	1008·3	–	43·8	1·5	8·7	88	5·2	4	3	5	10	7	1	0	1	0	0	1	2	13	12	1	0	0	0	18	11	1	0	5	3	0	1	1	5	8	8
	West Raynham	H	9	263	1009·2	–	48·9	2·8	9·5	80	5·9	1	4	3	15	7	0	0	0	0	0	0	3	10	4	10	3	0	2	17	11	0	2	3	4	1	1	5	9	2
			15	263	1008·4	–	54·1	6·1	9·0	62	6·3	0	0	7	18	5	0	0	0	0	0	0	0	2	14	9	5	0	6	16	8	0	1	4	3	0	1	2	0	2	0
			21	263	1008·7	–	46·8	2·1	9·4	84	5·8	1	1	6	3	6	14	0	0	0	0	0	2	14	5	9	0	0	2	12	15	1	4	1	1	2	1	4	0	5	0
			3	26	1009·0	–	45·4	1·4	9·2	88	4·9	9	0	2	9	9	1	0	0	2	0	0	2	17	9	0	0	0	1	7	20	2	3	1	1	3	5	4	0	1	4
	Gorleston		9	26	1009·4	–4·3	48·3	2·4	9·5	82	5·2	2	5	7	10	4	2	0	0	1	0	1	1	16	10	0	0	0	3	10	16	2	1	0	2	2	7	10	4	0
			15	26	1009·5	–	50·2	3·2	9·6	78	5·5	3	0	8	14	5	0	0	0	0	1	1	3	14	11	0	0	0	3	15	12	0	4	2	1	1	3	5	4	0
			21	26	1009·6	–	46·7	1·5	9·8	88	3·8	6	7	7	3	6	1	0	0	0	1	0	3	18	8	0	0	0	2	10	16	2	3	2	0	2	5	2	0	4	0
			3	39	1008·6	–	45·2	1·9	8·8	86	4·6	6	4	5	8	6	1	0	0	0	3	1	3	14	9	0	0	0	1	5	23	1	3	0	0	2	3	2	0	4	3
Suffolk	Mildenhall	H	9	39	1009·4	–	50·4	3·4	9·5	76	6·0	1	3	3	15	8	0	0	0	0	1	1	5	9	8	7	0	0	3	17	7	0	4	1	1	2	2	4	3	2
			15	39	1008·7	–	56·5	7·4	8·8	57	5·9	0	2	6	18	4	0	0	0	0	0	1	3	13	12	1	0	0	1	17	11	1	4	2	0	2	2	6	3	3	2
			21	39	1008·8	–	49·0	2·7	9·6	80	5·1	4	1	11	7	7	0	0	0	0	0	1	3	9	13	4	0	0	0	8	21	1	4	2	1	2	6	8	6	3	1
			3	13	1009·1	–	46·4	1·4	9·6	89	5·0	7	1	4	6	11	1	0	1	1	0	0	2	10	12	4	0	0	2	9	15	4	2	1	4	2	5	5	4	4	1
	Felixstowe..	H	9	13	1010·0	–3·9	49·0	2·3	9·8	83	6·1	2	0	7	10	11	0	0	0	0	2	0	3	12	8	5	0	0	2	13	13	2	4	4	2	2	0	0	4	4
			15	13	1009·5	–	52·6	4·1	9·8	73	5·7	3	1	5	16	5	0	0	0	0	0	1	3	7	15	4	0	0	2	15	13	0	4	4	2	2	3	8	3	3	3
			21	13	1009·5	–	48·6	2·0	9·9	84	5·0	2	9	4	6	9	0	0	0	1	0	0	3	9	13	4	0	0	2	14	10	4	3	4	4	2	3	6	4	3	3
			3	141	1008·7	–	44·4	1·5	8·9	87	4·7	3	5	7	8	6	1	0	0	0	1	0	2	4	11	12	0	0	0	12	15	4	3	3	1	1	1	6	9	8	4
Huntingdon	Wyton ..	H	9	141	1009·5	–	49·7	3·4	9·4	76	6·4	1	1	5	15	8	0	0	0	0	0	1	5	11	7	5	1	0	0	16	11	3	5	2	1	1	1	4	5	6
			15	141	1008·5	–	56·0	7·0	9·0	59	6·8	0	0	5	18	7	0	0	0	0	0	0	2	8	10	6	4	0	0	17	9	1	5	2	1	1	1	5	6	9	7
			21	141	1008·9	–	48·8	3·0	9·4	78	5·5	2	5	3	12	8	0	0	0	0	0	1	3	13	11	2	0	0	0	8	19	3	4	2	1	1	2	5	9	2	2
			3	96	1009·0	–	43·5	1·1	8·7	90	4·1	6	4	8	5	7	0	0	0	0	1	2	4	12	11	0	0	0	0	9	12	3	2	1	1	1	2	5	7	8	4
Bedford	Cardington	H	9	96	1009·6	–	49·9	3·1	9·6	78	6·0	2	0	7	12	9	0	0	0	0	0	1	3	13	6	7	0	0	0	15	11	3	4	1	1	3	2	2	5	8
			15	96	1008·7	–	56·3	6·7	9·1	59	6·2	1	0	7	16	6	0	0	0	0	0	0	1	6	15	9	0	0	0	19	9	1	4	2	2	2	8	4	6	5	6
			21	96	1009·0	–	47·5	2·2	9·4	84	5·2	3	3	5	12	7	0	0	0	0	1	1	12	15	1	0	0	0	0	8	16	6	5	2	2	3	5	4	6	2	3
			3	517	1009·1	–	43·1	1·2	8·6	90	4·9	2	7	5	7	7	2	0	2	0	1	2	2	14	7	2	0	0	0	11	15	4	3	2	2	0	0	5	4	3	3
Hertford	Bovingdon	H	9	517	1009·6	–	48·3	2·6	9·4	81	6·5	1	1	2	16	10	0	0	0	0	2	0	1	11	6	6	4	0	0	18	11	1	5	1	1	0	5	3	5	7
			15	517	1008·5	–	53·9	5·6	9·1	64	6·4	1	0	5	17	7	0	0	0	0	1	0	0	7	7	11	4	0	0	18	10	2	4	2	1	1	3	1	2	3	2
			21	517	1009·1	–	47·1	2·0	9·4	84	4·9	5	4	4	8	9	0	0	0	0	0	1	3	12	12	1	1	0	1	6	20	3	4	2	1	2	5	9	3	1	1
			9	12	1010·2	–3·9	50·2	3·0	9·9	79	5·9	1	4	7	6	10	2	0	1	1	0	0	3	8	15	2	0	0	1	11	16	2	0	5	2	2	3	0	3	4	7
Essex	Shoeburyness	H	15	12	1009·5	–	53·5	4·9	9·7	69	6·0	2	1	7	9	11	0	0	0	0	3	1	6	12	8	0	0	0	13	17	0	3	3	2	1	4	2	1	0	2
			21	12	1009·7	–	48·4	2·1	9·9	84	4·6	6	4	4	6	9	1	0	0	1	0	1	2	8	17	1	0	0	1	7	20	2	4	2	2	0	11	5	4	1	0
4 MIDLAND COUNTIES																																															
Yorks, W.R.	Huddersfield (Oakes)	H	3	769	1007·7	–	42·5	1·6	8·1	86	4·9	3	3	12	2	10	0	0	0	0	1	1	9	13	4	2	0	0	3	10	17	0	2	7	1	0	1	7	9	4
			9	769	1008·5	–	48·1	3·9	8·2	72	5·2	0	5	10	6	9	0	0	0	0	0	1	4	8	11	5	1	0	1	10	18	1	1	7	1	0	1	4	3	5	6
			15	769	1007·8	–	51·5	5·2	8·5	66	6·2	0	1	7	11	11	0	0	0	0	0	0	0	0	12	9	0	0	1	12	16	1	2	1	1	0	0	3	7	5	4
			21	769	1008·3	–	43·7	1·9	8·3	84	4·5	4	6	6	4	10	0	0	0	0	0	0	7	9	8	6	0	0	1	8	15	6	3	1	1	2	1	4	8	6	3
			3	390	1008·2	–	43·2	1·1	8·7	91	5·0	5	3	5	6	11	0	0	0	0	0	2	9	10	7	2	0	0	0	7	18	5	3	2	1	1	0	0	3	7	5
Nottingham	Watnall ..	H	9	390	1009·0	–	48·5	3·0	9·2	79	5·6	2	3	3	17	4	1	0	0	0	1	0	1	8	12	4	4	0	0	10	17	3	2	2	1	2	0	2	4	3
			15	390	1007·9	–	54·4	5·9	9·0	63	6·9	0	0	1	22	7	0	0	0	0	0	0	0	12	8	9	1	0	0	13	15	2	3	2	1	0	0	3	6	7	6
			21	390	1008·4	–	46·9	2·3	9·1	83	5·3	2	6	4	8	10	0	0	0	0	0	3	5	15	6	1	0	0	0	7	21	2	3	4	3	0	1	1	4	7	2
			3	46	1007·9	–	44·0	1·4	8·8	89	5·3	5	4	2	5	13	1	0	1	0	1	6	5	15	1	1	0	0	1	9	16	4	2	2	0	1	1	11	9	6	4
	Finningley	H	9	46	1008·7	–	50·0	3·4	9·3	76	5·7	0	4	7	11	8	0	0	0	0	0	1	7	8	11	3	0	0	5	10	13	2	6	7	0	1	1	4	4	3	4
			15	46	1008·2	–	55·3	6·0	9·4	64	6·0	0	2	7	14	7	0	0	0	0	0	0	3	9	13	2	3	0	5	16	8	1	7	3	0	1	1	4	7	3	1
			21	46	1008·2	–	47·5	2·3	9·3	83	5·6	2	4	6	5	13	0	0	0	0	0	3	8	13	5	1	0	0	0	12	16	2	3	1	1	0	0	1	1	0	1
			9	109	1009·2	–	49·4	3·2	9·4	78	5·2	2	3	9	10	6	0	0	0	0	0	1	2	6	17	4	0	0	1	16	10	3	5	5	1	1	0	0	1	2	2
	Langar	H	15	109	1008·3	–	55·0	5·8	9·4	64	6·1	0	1	7	18	4	0	0	0	0	0	1	0	1	18	7	3	0	4	16	9	1	5	1	0	1	1	7	8	0
			21	109	1008·6	–	47·4	2·5	9·3	82	6·2	0	3	4	14	9	0	0	0	0	0	0	4	7	16	2	1	0	1	15	9	5	4	2	1	1	0	1	1	0	2
			3	219	1008·5	–	43·6	1·5	8·7	89	4·0	5	8	5	5	6	1	0	1	0	1	1	7	7	9	4	0	0	0	13	13	4	5	2	1	0	1	1	0	0	0
Northampton	Wittering	H	9	219	1009·3	–	49·2	3·1	9·3	78	6·3	1	2	4	13	9	1	0	1	0	0	1	1	3	11	5	8	1	0	0	1	17	10	2	4	5	3	2	1	1	3
			15	219	1008·3	–	55·0	6·2	9·2	62	6·6	0	0	5	20	5	0	0	0	0	0	0	0	5	10	12	2	0	0	4	15	11	0	1	3	2	5	1	1	2	2
			21	219	1008·6	–	47·6	2·7	9·2	81	5·4	1	6	5	9	9	0	0	0	1	0	0	1	10	14	4	0	0	0	10	19	1	3	3	1	2	0	0	7	7	3

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0-44 yd.	45-210 yd.	220-430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
4 MIDLAND COUNTIES—*cont.*																																										
	9	542	1009·5	−4·6	47·8	3·2	8·7	77	5·6	2	3	6	13	6	0	0	0	0	0	1	3	9	10	3	4	0	0	15	15	0	5	1	0	2	9	6	7	0
Warwick Birmingham H	15	542	1008·5	–	52·9	6·0	8·4	62	6·6	0	1	5	14	10	0	0	0	0	0	1	0	10	8	7	4	0	0	16	14	0	5	0	0	1	1	11	2	8	6	2
	21	542	1008·9	–	48·0	3·3	8·7	75	5·3	2	5	7	6	10	0	0	0	0	0	1	4	9	12	3	1	0	0	13	17	0	8	0	0	1	1	7	6	6	4	2
	3	362	1008·8	–	43·1	1·2	8·6	90	5·2	3	5	3	11	7	1	0	0	0	0	1	1	6	10	12	0	0	0	1	8	17	4	5	1	1	1	4	7	5	5	1
	9	362	1009·4	–	48·9	3·0	9·3	78	6·1	1	2	5	15	7	0	0	0	0	0	0	8	15	7	0	0	0	0	1	11	18	0	5	3	2	1	1	3	7	6	4
Elmdon .. H	15	362	1008·4	–	53·7	5·8	8·8	64	6·8	0	0	6	16	8	0	0	0	0	0	0	2	19	7	2	0	0	0	15	14	1	4	0	0	1	1	3	6	7	4	5
	21	362	1008·9	–	47·9	2·8	9·0	79	5·7	0	5	4	13	8	0	0	0	0	0	3	11	14	1	0	0	0	0	7	22	1	6	0	0	2	1	4	7	4	3	6
	3	242	1008·4	–	42·8	1·2	8·5	89	5·2	4	4	4	8	10	0	0	0	0	0	1	3	3	10	9	3	0	0	11	15	4	2	0	0	2	0	8	7	6	2	7
	9	242	1009·1	–	48·9	2·9	9·4	79	5·8	0	5	3	18	4	0	0	0	0	0	0	3	3	9	6	3	0	0	12	16	2	3	1	1	2	1	7	3	7	9	4
Shropshire Shawbury .. H	15	242	1008·1	–	53·5	5·2	9·3	67	6·8	0	0	4	19	7	0	0	0	0	0	0	2	4	8	9	7	0	0	17	13	0	4	0	0	1	2	7	3	7	9	5
	21	242	1008·5	–	46·1	2·0	9·1	89	5·4	0	0	6	6	10	8	0	0	0	0	0	1	9	10	8	2	0	0	10	20	0	8	1	1	1	0	6	8	5	1	1
	3	112	1008·9	–	43·9	1·2	8·9	90	5·1	1	4	11	5	9	0	0	0	0	2	1	4	7	6	9	1	0	1	5	14	10	2	0	1	1	2	5	7	5	2	1
	9	112	1009·6	–	49·8	3·0	9·7	79	6·3	1	1	4	17	7	0	0	0	0	1	2	0	7	6	5	9	0	1	12	13	4	5	1	1	1	2	5	7	7	3	1
Worcester Pershore .. H	15	112	1008·4	–	55·4	5·8	9·6	65	6·3	0	1	5	20	4	0	0	0	0	0	1	0	6	8	5	10	0	0	17	12	1	2	3	1	1	1	8	7	6	5	2
	21	112	1008·9	–	48·2	2·2	9·6	83	5·3	2	5	4	10	9	0	0	0	0	1	1	3	5	11	5	4	0	0	8	16	6	5	0	0	2	0	6	3	5	5	2
	9	226	1009·4	−4·7	49·6	3·4	9·2	76	6·1	2	1	5	10	11	1	0	1	0	0	0	2	8	4	13	2	0	0	4	25	1	5	2	0	0	2	6	3	5	4	2
Hereford Ross-on-Wye H	15	226	1008·1	–	55·2	6·3	9·1	62	6·5	0	1	6	13	10	0	0	0	0	0	0	0	10	5	12	3	0	0	8	22	0	5	0	0	2	2	7	4	8	2	1
	21	226	1008·9	–	48·5	2·9	9·2	78	4·8	0	11	4	5	10	0	0	0	0	0	1	2	12	6	11	0	0	0	2	27	1	3	1	1	2	7	10	8	4	1	0
	3	197	1009·3	–	45·0	1·4	9·2	90	5·2	3	3	7	8	9	0	0	0	0	1	1	6	8	9	5	0	0	1	9	15	5	5	1	2	1	4	8	6	7	1	0
	9	197	1009·8	–	50·0	3·0	9·7	79	6·2	1	2	6	11	10	0	0	0	0	0	0	8	5	8	7	2	0	1	12	17	0	4	2	3	3	0	8	6	6	1	1
Gloucester Bristol (Filton) H	15	197	1008·6	–	54·3	5·3	9·5	68	6·3	0	2	5	15	8	0	0	0	0	0	1	8	9	7	5	0	0	2	16	11	1	4	1	2	3	1	7	6	5	9	1
	21	197	1009·3	–	48·7	2·4	9·5	81	4·8	3	6	6	6	9	0	0	0	0	0	2	2	13	12	1	0	0	0	7	20	3	4	1	0	1	0	6	5	9	1	1
	3	751	1009·1	–	43·4	1·0	8·9	92	5·4	5	3	3	5	11	3	1	1	0	1	2	2	8	12	3	0	0	0	10	19	1	5	1	1	1	0	3	6	9	8	2
	9	751	1009·7	–	47·0	2·0	9·4	85	6·0	1	3	4	12	9	1	0	1	0	0	1	3	7	9	8	1	0	1	16	12	1	5	1	1	2	6	4	8	8	2	3
Little Rissington H	15	751	1008·6	–	52·5	4·7	9·4	70	6·6	0	0	6	13	11	0	0	0	0	1	0	0	4	13	7	5	0	2	16	11	1	4	3	0	1	1	6	4	8	3	1
	21	751	1009·2	–	46·7	2·1	9·2	84	5·0	3	6	4	9	7	1	0	1	0	0	0	0	9	11	8	1	0	1	8	19	2	4	2	1	1	4	5	10	1	1	1
5 ENGLAND, S.E.																																										
	3	86	1009·4	–	45·3	1·6	9·1	88	5·0	1	9	4	4	12	0	0	0	0	2	3	1	8	12	4	0	0	0	6	19	5	4	2	1	0	7	5	4	6	2	1
Middlesex London Airport H	9	86	1010·0	–	50·2	3·3	9·6	77	5·6	3	1	7	12	7	0	0	0	0	0	2	6	5	6	8	3	0	0	15	13	2	5	3	2	1	1	4	6	6	6	2
	15	86	1009·0	–	56·3	6·5	9·4	60	6·0	1	0	7	15	7	0	0	0	0	0	1	1	5	11	7	5	0	0	17	10	2	5	3	0	1	1	7	4	6	6	2
	21	86	1009·3	–	49·7	2·9	9·7	79	5·1	5	3	4	8	10	0	0	0	0	0	1	2	7	11	1	1	0	0	7	22	1	4	2	1	1	3	5	10	2	7	5
	9	34	1010·0	−4·3	50·4	3·8	9·2	73	5·9	1	2	7	13	7	0	0	0	0	0	2	7	4	8	4	5	0	0	11	18	1	5	3	2	1	0	6	7	5	0	0
Surrey Kew Observatory H	15	34	1009·0	–	55·6	6·7	8·8	59	6·4	0	0	9	15	6	0	0	0	0	1	0	2	6	7	8	6	0	0	15	15	0	6	3	2	2	0	10	4	5	2	2
	21	34	1009·5	–	50·2	3·4	9·6	77	5·0	4	4	4	11	7	0	0	0	0	0	1	4	7	9	8	1	0	0	5	24	1	4	3	2	1	2	7	10	1	5	2
	3	195	1009·7	–	43·1	1·0	8·8	92	4·8	6	4	2	10	8	0	0	0	0	2	0	1	3	6	2	0	0	1	6	14	9	3	3	1	1	0	1	6	6	9	2
	9	195	1010·2	–	50·0	2·9	9·8	79	6·2	2	2	4	10	12	0	0	0	0	0	0	4	9	7	7	3	0	0	20	8	2	4	1	6	0	1	4	6	5	9	1
Gatwick .. H	15	195	1009·4	–	55·0	5·5	9·7	66	6·5	1	1	4	15	9	0	0	0	0	0	0	1	6	12	6	5	0	1	17	10	2	3	2	2	1	0	5	9	3	5	3
	21	195	1009·8	–	47·0	1·9	9·5	85	4·8	4	6	3	10	7	0	0	0	0	0	1	2	20	7	0	0	0	1	5	17	7	1	3	2	2	0	4	7	5	2	2
	3	309	1009·6	–	44·0	0·9	9·1	92	5·1	4	7	1	6	11	1	0	0	0	1	3	3	7	15	1	0	0	1	8	14	7	6	0	1	0	2	6	8	2	0	1
	9	309	1010·2	–	49·1	2·3	9·9	83	6·1	2	0	6	10	11	1	0	0	0	1	0	2	7	13	5	0	0	2	15	11	2	8	2	0	1	0	5	8	2	1	1
Kent West Malling H	15	309	1009·3	–	53·8	5·0	9·6	69	6·7	1	0	3	15	11	0	0	0	0	0	2	2	4	14	7	3	0	0	15	9	2	8	2	0	1	0	4	8	2	2	4
	21	309	1009·7	–	46·5	1·7	9·5	87	4·9	1	7	7	7	7	1	0	1	0	1	2	4	8	15	1	0	0	1	9	19	1	6	0	1	1	1	9	10	1	1	2
	3	35	1010·0	–	46·0	1·3	9·5	90	4·7	5	3	8	5	9	0	0	0	0	2	3	5	5	13	5	0	0	0	8	18	4	5	2	4	0	2	8	4	3	1	2
	9	35	1010·5	–	50·9	2·9	10·0	79	6·1	3	0	4	14	9	0	0	0	0	0	1	1	6	5	12	2	0	0	10	18	2	4	3	3	2	3	6	3	3	2	2
Sussex Thorney Island H	15	35	1009·7	–	55·0	4·6	10·5	72	5·9	2	0	7	13	8	0	0	0	0	1	0	0	7	7	12	2	0	1	13	14	2	4	0	1	2	11	7	3	5	1	0
	21	35	1010·1	–	49·1	2·1	10·1	85	4·7	3	6	7	7	7	0	0	0	0	0	0	4	8	16	2	0	0	0	4	17	9	4	0	0	1	1	3	7	7	3	1
	9	20	1010·6	–	50·5	2·7	10·3	81	5·7	1	0	12	9	7	1	0	0	0	1	0	1	4	14	0	0	0	2	8	15	5	6	1	3	0	0	2	3	5	9	1
Eastbourne (Coastguard) H	15	20	1010·0	–	53·6	3·6	10·6	77	5·9	2	0	8	12	8	0	0	0	0	0	0	0	19	11	0	0	0	3	11	14	2	4	0	2	4	0	7	4	9	9	0
	21	20	1010·1	–	49·3	2·4	9·9	83	3·9	9	1	9	5	6	0	0	0	0	0	0	0	21	9	0	0	0	2	6	13	9	4	0	0	2	0	1	5	9	9	1
	3	234	1009·5	–	44·5	1·3	9·0	89	5·1	1	8	6	3	11	1	0	0	0	0	3	1	3	8	12	3	0	0	6	16	8	2	0	2	0	0	5	7	1	0	5
	9	234	1010·0	–	49·5	2·9	9·6	79	6·4	2	1	3	12	12	0	0	0	0	0	1	0	5	5	8	9	2	0	1	14	11	4	6	1	1	1	2	4	5	5	7	2
Berkshire Abingdon .. H	15	234	1008·9	–	56·2	6·2	9·7	64	6·6	0	1	2	19	8	0	0	0	0	0	0	1	6	12	9	2	0	3	13	12	2	4	1	1	1	1	9	2	7	7	3
	21	234	1009·3	–	49·2	2·8	9·5	79	5·0	5	3	5	7	10	0	0	0	0	0	0	2	1	6	18	3	0	0	0	7	17	6	4	2	1	0	2	5	7	2	2
	3	231	1009·8	–	44·7	1·5	9·0	88	5·1	3	6	5	3	12	1	0	0	0	2	1	1	3	6	11	6	0	0	0	3	20	7	4	0	2	0	0	3	4	8	2	2
	9	231	1010·3	−4·0	50·1	3·2	9·7	78	5·9	2	1	7	10	10	0	0	0	0	0	2	3	6	4	4	11	0	0	5	19	6	5	1	2	0	0	3	4	7	7	2
Hampshire S. Farnborough H	15	231	1009·2	–	55·7	5·8	9·9	65	6·4	1	0	6	16	7	0	0	0	0	0	0	1	7	6	3	13	0	0	8	21	1	5	0	3	1	0	8	3	7	3	2
	21	231	1009·9	–	48·9	2·6	9·6	80	5·1	2	4	8	8	8	0	0	0	0	1	0	2	11	7	7	2	0	0	2	18	10	2	2	2	1	3	6	2	3	2	2
	3	344	1009·5	–	44·7	1·4	9·0	89	5·3	3	4	6	5	11	1	0	0	0	1	1	1	10	11	5	0	0	0	8	17	5	2	0	1	4	3	11	1	3	2	2
	9	344	1010·0	–	49·4	3·1	9·5	78	6·0	2	1	5	13	8	1	0	0	0	1	1	3	5	8	7	5	0	0	19	11	0	2	4	2	2	5	10	3	1	3	2
Blackbushe H	15	344	1008·8	–	55·5	6·3	9·3	63	6·2	0	3	5	16	6	0	0	0	0	1	0	2	3	7	12	6	0	1	19	10	0	4	2	2	3	7	7	5	3	0	1
	21	344	1009·5	–	48·4	2·5	9·6	81	5·0	2	5	6	13	3	1	0	0	0	1	0	2	11	9	6	1	0	0	8	20	2	5	1	1	0	0	12	6	3	1	0
	3	458	1009·4	–	43·9	1·1	8·9	90	5·2	5	2	5	6	11	1	0	0	1	1	1	1	10	10	5	1	0	3	6	17	4	5	1	1	1	6	9	3	1	0	
	9	458	1009·9	–	48·2	2·4	9·5	82	6·5	1	1	3	14	10	1	0	0	1	1	2	1	3	11	6	5	0	3	13	14	0	6	3	2	1	4	4	5	7	1	0
Wiltshire Lyneham H	15	458	1008·9	–	53·7	5·3	9·3	67	6·3	0	2	7	10	11	0	0	0	0	0	0	1	7	8	5	12	0	0	5	16	9	0	6	2	1	4	6	4	6	3	2
	21	458	1009·4	–	47·2	2·3	9·2	83	5·2	3	6	3	7	11	0	0	0	0	0	0	1	10	11	7	1	0	1	8	19	2	5	0	0	2	6	11	4	0	0	2
	9	582	1010·0	–	48·3	2·5	9·5	82	6·2	2	0	6	12	9	1	0	0	1	1	0	0	1	1	9	8	5	4	0	0	14	14	2	6	1	3	5	0	5	5	4	2
Upavon .. H	15	582	1009·0	–	53·1	4·5	9·7	71	6·4	0	2	2	17	9	0	0	0	0	0	0	3	7	9	8	3	0	1	15	12	2	4	3	0	1	1	5	2	7	2	2
	21	582	1009·7	–	46·5	1·9	9·2	85	5·1	2	7	3	7	10	1	0	0	0	1	0	1	6	16	6	0	0	0	9	16	5	6	0	1	1	1	3	8	5	2	4
	3	419	1009·9	–	44·1	0·7	9·4	94	5·0	3	6	4	7	10	0	0	0	0	1	1	2	13	12	1	0	0	0	11	12	7	3	1	1	1	8	5	2	5	2	2
	9	419	1010·3	–	49·4	1·8	10·4	87	6·2	1	2	6	10	11	0	0	0	0	1	1	1	11	5	10	1	0	0	3	16	9	2	5	1	0	4	3	5	5	2	2
Boscombe Down H	15	419	1009·2	–	54·6	4·0	10·9	75	6·1	0	3	4	14	9	0	0	0	0	0	0	1	5	15	6	3	0	2	17	9	2	6	2	0	4	7	2	4	1	4	
	21	419	1009·9	–	47·2	1·3	10·0	89	5·1	2	6	4	11	7	0	0	0	0	0	0	3	11	14	2	0	0	1	8	13	8	2	1	0	1	6	4	4	4		
7a ENGLAND, N.W.																																									
	3	27	1006·9	–	43·9	1·2	8·9	90	5·7	3	3	3	8	13	0	0	0	0	1	1	1	4	9	13	1	0	1	7	20	2	3	2	2	1	8	6	3	3		
	9	27	1007·9	–	47·4	2·5	9·0	81	5·9	0	1	11	14	4	0	0	0	0	0	0	2	4	16	8	0	0	0	11	12	6	1	3	1	1	6	7	3	2		
Cumberland Silloth H	15	27	1007·5	–	50·8	4·3	9·0	72	6·6	0	2	2	15	11	0	0	0	0	0	0	0	4	13	8	5	0	0	15	14	1	4	1	2	1	4	11	4	2		
	21	27	1007·4	–	46·5	2·2	9·0	83	5·6	2	3	5	11	9	0	0	0	0	0	1	2	2	12	12	1	0	0	11	16	2	1	1	2	1	5	6	8	4	3	
	3	35	1007·3	–	44·1	1·7	8·6	87	5·5	2	5	4	6	13	0	0	0	0	0	2	1	7	15	5	0	0	0	3	5	19	3	1	2	3	6	3	3	7	2	
	9	35	1008·2	–	48·6	2·5	9·5	81	6·2	0	3	7	10	10	0	0	0	0	0	0	6	13	5	5	1	0	0	1	7	19	3	1	2	3	6	3	3	7		
Lancashire Squires Gate H	15	35	1007·7	–	51·6	4·3	9·3	72	6·0	0	3	6	14	7	0	0	0	0	0	0	1	4	12	8	5	0	0	13	16	1	3	0	0	4	0	5	10	7		
	21	35	1007·6	–	46·6	2·1	9·0	82	6·2	0	3	7	8	12	0	0	0	0	0	1	5	15	6	3	0	0	1	10	17	2	4	2	2	3	4	5	4			
	3	85	1008·0	–	45·3	1·8	8·8	85	5·4	2	5	4	7	12	0	0	0	0	0	2	1	2	7	12	4	2	0	3	10	13	4	5	0	1	2	8	5	1		
	9	85	1008·2	–	49·0	3·3	9·1	77	6·4	0	3	3	17	7	0	0	0	0	0	1	1	6	9	11	1	1	0	1	16	11	2	2	2	1	1	11	2	4		
Speke .. H	15	85	1008·2	–	53·2	5·4	9·0	65	6·5	0	1	5	16	8	0	0	0	0	0	0	0	0	2	8	12	5	2	0	1	21	8	0	4	2	2	11				
	21	85	1008·3	–	48·2	3·0	9·0	78	5·9	3	1	4	13	9	0	0	0	0	0	5	4	8	9	4	0	0	3	9	18	0	5	3	0	1	9	4	3	5		

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1959

| 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 | | | | | | | | | |

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, APRIL 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	483	27	96	15	279·9	30	253	18	92	2	174·9	29	-	-	115	2	332·9	26
Eskdalemuir	512	4	59	2	313·1	30	304	19	59	2	201·9	30	506	4	73	2	328·1	30
Cambridge	680	30	78	16	375·0	26	342	21	73	16	214·2	26	-	-	-	-	-	-
Kingsway	608	24	51	16	334·1	30	338	29	41	16	197·8	29	593	28	44	16	291·5	30
Kew	550	28	41	16	287·2	30	241	29	40	16	174·7	30	629	28	55	16	330·3	30
Aberporth	675	29	139	17	383·4	30	304	22	139	17	237·8	30	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN APRIL 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.							MINIMUM TEMPERATURE °F.						
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	25	5	0	0	0	0	0	0	0	0	18	12	0	0
Stornoway	0	0	16	14	0	0	0	0	0	0	0	2	14	14	0	0
Craibstone	0	0	13	17	0	0	0	0	0	0	0	1	18	11	0	0
Rothesay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Renfrew	0	0	6	21	3	0	0	0	0	0	0	3	14	13	0	0
Eskdalemuir	0	0	15	13	2	0	0	0	0	0	1	10	11	8	0	0
Douglas	0	0	13	17	0	0	0	0	0	0	0	0	14	16	0	0
Cockle Park	0	0	7	20	3	0	0	0	0	0	0	7	16	7	0	0
Gorleston	0	0	11	18	1	0	0	0	0	0	0	0	10	20	0	0
Cambridge	0	0	1	16	12	1	0	0	0	0	0	1	14	15	0	0

STATION	MAXIMUM TEMPERATURE °F.							MINIMUM TEMPERATURE °F.						
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	6	19	5	0	0	0	0	0	0	0	11	19	0	0
Kew Observatory	0	0	1	20	9	0	0	0	0	0	0	0	8	22	0	0
Hastings	0	0	2	24	4	0	0	0	0	0	0	0	7	22	1	0
Southampton	0	0	0	17	13	0	0	0	0	0	0	0	12	18	0	0
Stonyhurst	0	0	10	16	4	0	0	0	0	0	0	1	17	11	1	0
Bidston Observatory	0	0	11	15	4	0	0	0	0	0	0	0	9	20	1	0
Holyhead (Valley)	0	0	3	25	2	0	0	0	0	0	0	0	12	18	0	0
Falmouth	0	0	1	27	2	0	0	0	0	0	0	0	5	24	1	0
Aldergrove	0	0	10	19	1	0	0	0	0	0	0	3	14	13	0	0
Armagh	0	0	1	23	6	0	0	0	0	0	0	3	16	11	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION Max. Min. Rain	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL Total Fall	Percentage of Average	Most in a day Amount	Date	WEATHER Number of days Precip'n ·01in. (0·2mm.) or more	·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE Daily Mean	Percentage of Average
1958		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
July	Hudderafield(Oakes)	21-99	762													1·17													
December	Ross-on-Wye	21-99	223																					10					
	Colwyn Bay	999	118	47·9	37·6	42·7	-0·6	57	27	30	6	-	-	2·19	75	·70	30	17	13	0	0	0	0	-	4	-	0	1·06	85
1959 January	Sule Skerry	999	43	40·5	35·7	38·1	-	48	28	27	22	-	-	6·01	-	1·49	18	26	25	9	5	13	0	0	9	12	5	-	-
	Glenlivet	999	1085											3·26	91	·57	7	18	16										
	Aberdeen	999	170	38·1	28·5	33·3	-	50	29	21	15,27	-	-	1·75	62	·28	11	16	13	11	22	0	0	2	25	28	0	2·98	-
	Lundin Links	999	40																									3·17	
	Hawick	999	560	38·4	22·1	30·3	-	47	19	11	14,16	-	-	2·23	-	·48	19	12	10	-	20	-	-	0	26	-	-	-	-
	Acklington	21-99	138																		12								
	Spurn Head	21-99	29																		2								
	Wyton	21-99	129																		8								
	Shoeburyness	21-99	11																		1								
	Wittering	21-99	216																			1				24			
	Perahore	21-99	110																		8								
	Ross-on-Wye	21-99	223																		7								
	Abingdon	21-99	210																		5								
	South Farnborough	21-99	226																		4								
	Boscombe Down	21-99	414																		9								
	Bolton	999	352																	6									
	Colwyn Bay	999	118	44·5	35·3	39·9	-2·2	54	19	26	15,16	-	-	4·65	157	·85	21	17	13	4	2	2	0	-	7	-	0	1·98	122
	Ballykelly	21-99	3																		10								
February	Sule Skerry	999	43	45·8	40·9	43·3	-	52	27	34	21,22	-	-	1·08	-	·42	26	14	8	1	0	0	0	0	0	3	4	-	-
	Aberdeen	999	170	45·1	32·6	38·9	-	55	25	18	2,3,4	-	-	·19	9	·07	21	6	2	1	0	0	0	7	14	17	1	2·73	-
	Lundin Links	999	40											·38		(·15)	21	6	3										
	Rothesay	999	150																									1·95	96
	Colwyn Bay	999	118	48·5	37·7	43·1	+1·2	61	27	25	2	-	-	·16	7	·05	9	5	2	0	0	0	0	-	9	-	0	3·62	152
March	Rothesay	999	150									43·1	42·9	3·80	114	·63	13	18	16	-	0	-	-	2	-	-	-	2·94	91
	Earls Colne	999	160	54·3	38·9	46·6	-	61	1	32	1, 14	45·6	45·5	1·52	103	·29	3	14	12	-	0	-	-	1	2	-	0	-	-
	Chesterfield	999	298											1·62				14	11										
	Moreton Morrell	999	280	51·6		45·1																							
	Aylesbury	999	316	52·1	38·4	45·3																							
	Fernhurst	999	188																									3·69	
	Long Sutton	999	512	51·6		45·1	+2·4	60	1, 2																			3·49	85 S
	Wallasey	999	57	50·5	41·1	45·8	-	57	28	34	4	-	-	1·00	-	·18	24	13	8	0	0	0	1	4	0	-	0	2·84	-
	Colwyn Bay	999	118	52·4	42·1	47·3	+2·9	60	31	34	21	-	-	·79	43	·22	14	14	6	0	0	0	0	-	0	-	0	3·43	87
	Bl. Pfestiniog	999	750	48·8		44·3																							
	Aberystwyth P.B.S.	999	452	50·4		45·4		56	10,23																				
	Ushaw College	999	594											·61	31			11	6										

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- 2 DEC 1959

DUPLICATE

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

M.O. 652

Summary of observations compiled from returns of official stations and voluntary

Volume 76 Number 5 Published by HER MAJESTY'S STATIONERY OFFICE

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May 1959—*Dry, warm and mainly sunny.*

During the first week of the month the situation was of a westerly type with weak depressions moving eastwards to the north of Scotland, but surface winds were mainly light. An anticyclone developed in the Baltic area during the second week giving light east or south-east winds over the British Isles. The anticyclone moved westward on the 13th and for the remainder of the month pressure was highest to the north and west of the country and winds mainly between east and north.

The month began with rather cool changeable weather; ground and slight air frost occurred in places at night during the first week. Rain or showers were rather widespread on the 1st and 3rd. Weather in England and Wales was dry and sunny from the 4th to the 6th although there were scattered showers in Scotland with some snow in the mountains. For many places in eastern and southern England the 4th was the first day of a spell without measurable rain which lasted about two weeks.

On the 6th a belt of high pressure extended from the Baltic States across our central districts to the Azores. A warm southerly airstream displaced the easterly winds in southern England on the 7th raising afternoon temperatures above 70°F. locally. Temperatures became progressively higher during the next few days and 80°F. was exceeded at a number of places in southern England and the Midlands on the 10th-12th, although it was cooler on the east coast with on-shore winds. Local thunderstorms occurred during the period 7th-13th mainly in western districts; over 2 in. of rain was recorded on the 11th at Northwich and on the 12th at Lyneham.

The Scandinavian high pressure system moved westward towards the British Isles on the 13th and linked with a ridge to the west of Spain. Weather was sunny and warm in most districts until the 18th although in eastern districts it became cool and cloudy from the 16th. Fog patches occurred at times on northern and eastern coasts and in the English Channel.

On the 19th the high pressure system moved further westwards into the eastern Atlantic and with freshening north-easterly winds over the British Isles cool cloudy weather spread over the whole country, and fronts, with associated rain-belts moving westwards from the North Sea, ended the dry spell which at many places had lasted since the 4th. Severe thunderstorms broke out on the night of the 21st-22nd, and continued locally during the following morning in southern England; at Southgate nearly 1½ in. of rain was recorded in 24 hr.

The break in the dry weather was short-lived, however, as by the 23rd the Atlantic anticyclone had moved to the north of the British Isles and intensified and with a depression established over southern France, air originating in the Mediterranean area was spreading over southern England bringing a return of the warm sunny weather which had prevailed about a week earlier. Afternoon temperatures reached 78°F. at a number of places in north-west England on the 24th, but on the 25th and 26th north-easterly winds brought cool and cloudy weather to eastern England much as they had done on the 16th although, as before, it remained warm and sunny in the west. This type of weather continued during the remainder of the month. Tiree, in the Hebrides, recorded 15 hr. of unbroken sunshine every day from 23rd-26th, but there was slight air frost at Acklington on the morning of the 30th.

Pressure and Wind. Pressure was everywhere above the average, the excess ranging from 7·0 mb. at Wick to 3·7 mb. at Plymouth. Wind direction was between west and north-west until the 4th and, apart from a period of south to south-easterly winds from 7th-11th, was mostly light and variable until the 14th, becoming predominantly between east and north-east until the 26th, and then mainly northerly until the end of the month. Wind reached gale force at a few places around the 20th. The highest gust recorded during the month was one of 50 kt. at Benbecula on the 2nd.

Temperature. Mean temperature was also above the average everywhere, the excess being 2·1°F. in England and Wales, 2·9°F. in Scotland and 2·9°F. in Northern Ireland. There were two warm and two cool periods during the month. During the first week and around the 20th maximum day temperature at many places was in the middle fifties, but afternoon temperature exceeded 80°F. around the 11th and rose to the middle seventies around the 24th.

Extreme temperatures included:— (England and Wales) 82°F. at Finchampstead on the 12th, 21°F. at Moor House on the 6th; (Scotland) 79°F. at Turnberry and Prestwick Airport on the 10th, Ruthwell on the 14th and Peebles on the 24th, 20°F. at Cannich on the 6th; (Northern Ireland) 76°F. at Ely Lodge on the 24th, 27°F. at Aldergrove on the 5th.

Precipitation. The general precipitation expressed as a percentage of the 1916-50 average was only 44 in England and Wales, 54 in Scotland and 48 in Northern Ireland where it was the driest May since 1935. A period of 15 days or more without measurable rain was recorded at a number of places in south-east England, East Anglia and the east and north Midlands from about the 4th to the 18th, and in north-west England, including the Lake District, and in eastern and northern Scotland, from about the 13th-28th. Less than 25 per cent. of the average rainfall for the month occurred over much of East Anglia, the east and north Midlands, the northern Pennines and in the lower Tweed-Lothians area. The average was exceeded over most of Cromarty, Sutherland, the Cheshire Plain and also in the Wye Valley where locally values approached twice the average. Edinburgh had one of its driest Mays since 1770, only 1859 and 1844 were drier. Nairn had only one drier May, in 1919, since 1866. At Wellingborough it was the driest May since 1896.

Thunder was heard on 13 days in Scotland, and on the 1st-4th, 7th-18th, 20th-23rd and 26th-29th (24 days) in England and Wales where it was widespread on the 7th, 10th-12th and 21st-22nd.

Light falls of snow and sleet occurred locally in Scotland and in the Pennines during the first few days of the month.

Sunshine. The general sunshine was 121 per cent. of the 1921-50 average in England and Wales, 114 per cent. in Scotland and 120 per cent. in Northern Ireland. There were periods of rather dull weather along the east coast; more particularly around the 11th, 16th and 25th. In all eastern coastal districts of Scotland sunshine was below the average and many places there had their dullest May in the last five years. On the other hand it was the sunniest May at Prestwick and Tiree since 1946 and at Manchester Airport and Dishforth since 1948.

Fog. Early morning fog occurred at one place or another on 15 days in Scotland and 17 days in England and Wales. It was most frequent in south-west England, occurring widely on the 9th, 21st and 22nd.

Miscellaneous Phenomena. The aurora was visible in Scotland on 12 nights and as far south as Aberporth on the morning of the 5th.

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

MWRdup

TABLE I—DISTRICT VALUES— MAY 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	78	20	+3·2	+1·9	+2·6	—	—	61	- 6	110
Eastern										
1 SCOTLAND, E.	79	25	+2·5	+1·8	+2·2	—	—	32	- 9	105
2 ENGLAND, N.E.	78	25	+2·6	+1·0	+1·8	+2·9	+1·4	26	- 8	125
3 ENGLAND, E.	80	24	+0·9	+0·3	+0·6	+1·6	+1·6	37	- 7	116
4 MIDLAND COUNTIES	81	27	+3·3	+1·8	+2·5	+2·6	+2·3	45	- 6	121
5 ENGLAND, S.E.	82	29	+2·7	+1·2	+2·0	+1·9	+1·9	40	- 6	114
Western										
6 SCOTLAND, W.	79	24	+5·2	+2·4	+3·9	+3·5	+1·4	43	- 7	127
7 ENGLAND, N.W. (*and N. Wales*)	78	21	+4·5	+3·1	+3·8	+2·4	+2·0	74	- 7	130
8 ENGLAND, S.W. (*and S. Wales*)	81	29	+3·0	+1·3	+2·1	+2·9	+1·7	70	- 5	117
NORTHERN IRELAND	76	27	+4·4	+1·3	+2·9	—	—	—	- 8	120

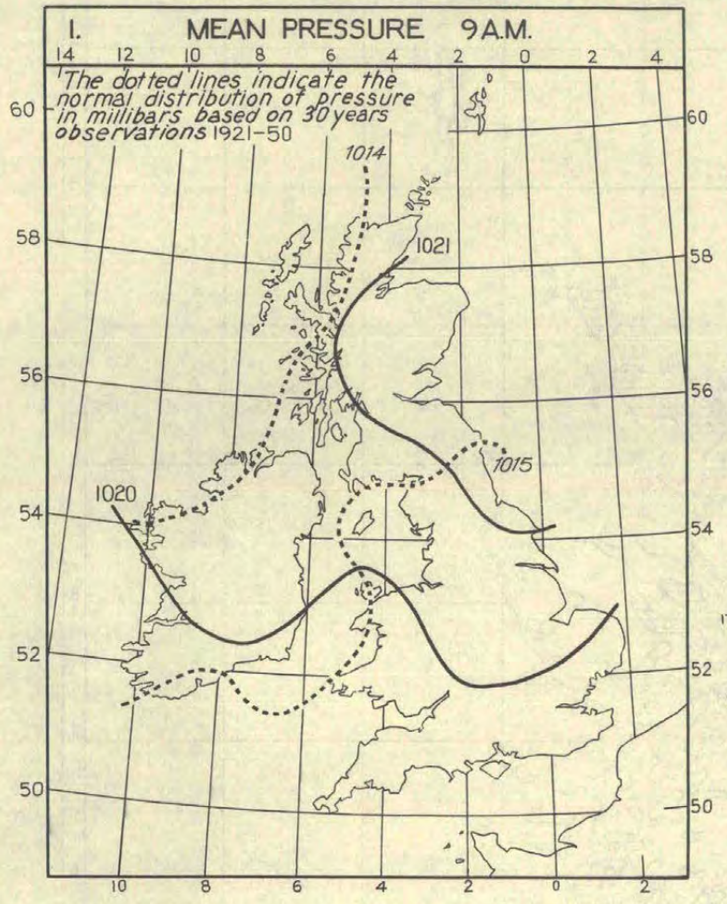
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— MAY, 1959 [1914]

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	9	39	303	283	119	0	10·4	340	27	4 10	38	4 0335
Orkney	Grimsetter	135	51	33		-	0	3	16	208	345	175	0	8·3	340	30	3 15	45	3 1505
Caithness	Dounreay	112	41	33		-	0	6	59	259	331	81	14	10·6	120	29	10 18	40	10 1745
Ross & Cromarty	Stornoway (Coastguard)	120	40	36		-	0	2	3	225	271	245	0	7·3	240	23	2 14	48	2 1510
Inverness	Benbecula	69	51	35		-	0	4	33	304	347	60	0	10·4	150	28	7 10	50	2 1630
1 Aberdeen	Dyce	225	40	40		-	0	1	4	95	287	358	0	5·0	290	25	3 08	37	3 1035
Angus	Bell Rock Lighthouse	128	131	124		-	0	8	37	218	243	246	0	8 2	170	28	7 21	38	3 1555
Perth	Rannoch	1006	56	57															
Fife	Leuchars	79	41	41		-	0	0	0	164	278	302	0	6·0	240	21	31 14	36	31 1320
Midlothian	Edinburgh	485	39	23		-	0	0	0	120	355	269	0	5·8	260	20	2 16	36	2 1355
6a Argyll	Tiree	89	60	47		-	0	4	14	328	237	165	0	9·4	150	26	7 19	43	10 1555
Bute	Millport	50	34	34		10	4	3	15	145	271	309	0	6·6	060	35	10 13	45	10 0920
Renfrew	Paisley	188	81	31		-	0	0	0	93	422	229	0	6·0	270	18	2 17	38	2 1945
	Renfrew	71	41	39		-	0	2	13	289	323	119	0	9·3	090	29	10 15	42	10 1330
Ayr	Prestwick Airport	35	33	33		-	0	1	4	253	388	99	0	8·3	100	26	10 15	38	10 1310
Dumfries	Eskdalemuir	825	50	35		-	0	1	1	104	292	347	0	5·1	090	23	10 14	44	10 1335
ENGLAND and WALES																			
6b Isle of Man	Point of Ayre	70	40	35		-	0	2	6	204	315	219	0	7·7	050	24	21 03	36	21 0350
2 Durham	Durham	399	53	33		-	0	0	0	54	332	358	0	4·4	270	19	2 14	38	2 1330
	South Shields	73	57	44		-	0	2	2	190	327	225	0	7·1	005	23	20 09	31	19 0305
Yorks.,E.R.	Spurn Head	64	44	34		-	0	1	3	258	422	35	26	9·2	080	24	10 15	35	1 1745
Lincoln	Cranwell	288	47	47		-	0	0	0	81	326	337	0	4·9	210	18	1 17	34	22 1350
3 Norfolk	Gorleston	52	42	34	*														
Suffolk	Mildenhall	98	83	60		-	0	0	0	125	477	142	0	6·7	220	20	1 19	38	1 1830
	Felixstowe	85	75	65		-	0	2	2	287	352	103	0	9·4	030	22	23 14	37	23 1305
Bedford	Dunstable	567	55	33		-	0	0	0	153	448	143	0	7·1	070	18	23 17	25	18 1500
	Cardington	285	150	135		-	0	1	3	142	366	233	0	6·6	210	27	1 18	41	1 1730
Herts.	Stevenage	564	111	65		-	0	0	0	198	438	108	0	8·0	010	20	18 18	38	1 1830
Essex	Coryton	66	57	48		-	0	0	0	114	552	78	0	7·6	050	21	23 15	32	3 1555
	Shoeburyness	115	104	89		-	0	2	17	252	405	70	0	9·6	040	30	23 16	39	23 1540
4 Yorks.,W.R.	Sheffield	533	83	35		-	0	0	0	92	460	192	0	6·2	030	15	21 13	31	21 1705
Leicester	Leicester	266	66	45	**														
Warwick	Birmingham	643	118	73		-	0	0	0	105	549	90	0	6·9	070	17	21 13	30	21 1245
Stafford	Keele	706	50	40		-	0	0	0	74	301	369	0	4·7	060	20	21 11	39	21 1035
Gloucester	Avonmouth	92	61	33		-	0	2	7	142	251	297	47	6·0	250	25	1 14	39	1 1415
5 London	Kingsway	231	160	40		-	0	0	0	32	496	216	0	5·4	070	17	23 14	28	23 1505
Middlesex	Hampton	139	101	100		-	0	0	0	114	455	175	0	6·7	070	19	23 13	34	23 1235
Surrey	Kew Observatory	92	75	50		-	0	1	1	250	392	101	0	8·5	050	22	23 16	39	23 1515
Kent	Isle of Grain	48	40	33		-	0	1	11	124	283	318	8	5·6	070	27	23 17	42	23 1635
	Dungeness	70	50	33	‡														
	Dover	68	38	62		-	0	4	25	292	316	90	21	10·0	030	30	23 14	45	23 1400
Sussex	Thorney Island	75	65	42		-	0	0	0	61	357	326	0	4·7	050	18	23 15	39	23 1715
Hants.	Southampton (Eastleigh)	95	60	41		-	0	1	3	198	378	165	0	7·5	040	24	23 15	38	23 1722
	S. Farnborough	318	69	35		-	0	0	0	16	231	497	0	2·9	260	14	3 15	31	23 1420
Berks.	Abingdon	295	40	40		-	0	0	0	132	370	242	0	6·2	030	18	18 13	34	23 1730
Wiltshire	Larkhill	491	51	36		-	0	2	6	186	415	137	0	7·7	050	26	23 15	38	23 1405
	Porton	406	44	44		-	0	1	7	170	373	194	0	7·2	060	27	23 17	41	23 1615
7a Cumberland	Sellafield	83	39	35		-	0	0	0	128	292	313	11	5·3	170	20	10 13	38	10 1015
Westmorland	Moor House	1960	50	45	‡														
Lancashire	Southport	63	45	36		-	0	4	18	209	247	270	0	7·5	080	26	21 13	37	21 1255
	Speke	180	100	65		-	0	1	12	255	369	108	0	8·8	070	29	21 15	41	7 1855
Cheshire	Bidston Observatory	262	64	39		-	0	1	1	157	324	258	4	-	090	22	21 13	41	21 1239
	Manchester Airport	318	70	30		-	0	2	10	158	403	173	0	9·3	070	26	21 13	44	21 1230
7b Anglesey	Holyhead (Valley)	76	50	40		-	0	2	5	208	347	184	0	7·8	060	26	21 13	42	21 1159
8a Cardigan	Aberporth	483	41	41		-	0	0	0	158	347	239	0	6·5	250	21	1 13	39	1 1255
Pembroke	Kete	249	49	37															
	Milford Haven	246	50	35		-	0	0	0	52	386	306	0	5·0	260	19	1 13	35	1 1210
Glamorgan	Port Talbot	91	40	35		-	0	0	0	190	451	74	29	8·5	280	21	1 14	36	1 1340
8b Devon	Plymouth	191	88	65		-	0	0	0	139	388	217	0	6·4	-	19	19 03	35	24 1240
Cornwall	St. Mary's, Scilly	230	65	57		-	0	1	3	262	372	107	0	8·9	270	23	1 16	33	9 1850
	The Lizard	315	75	60		-	0	1	5	281	286	172	0	8·7	270	25	1 17	37	1 1715
NORTHERN IRELAND																			
Londonderry	Ballykelly	52	50	35		-	0	1	1	138	338	267	0	6·0	270	22	2 16	37	3 1355
Antrim	Aldergrove	281	65	55		-	0	2	5	157	329	253	0	6·6	080	25	21 14	39	21 1320
	Nutts Corner	344	31	31		-	-	-	-	-	-	-	-	-	110	28	21 14	37	21 1308
CHANNEL ISLES																			
	Jersey Airport	359	86	50		-	0	4	7	383	319	35	0	11·2	050	23	18 11	35	19 0210

‡ Defective record.
*Anemometer dismantled for re-erection.
**Anemometer out of order.

MONTHLY WEATHER CHARTS MAY 1959

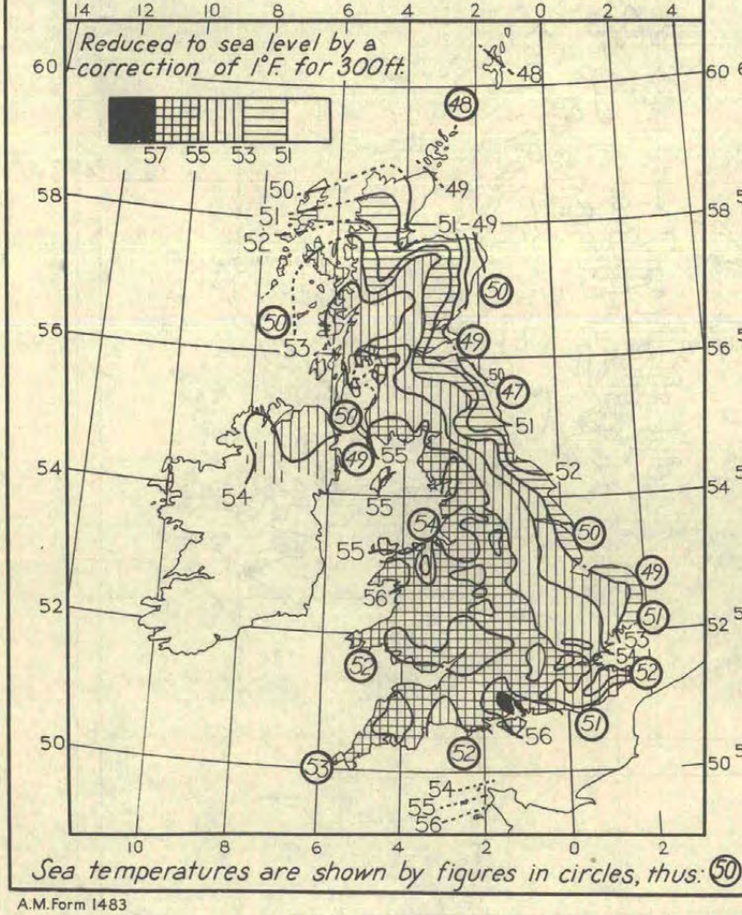
1. MEAN PRESSURE 9A.M.



2. MOVEMENTS OF DEPRESSIONS

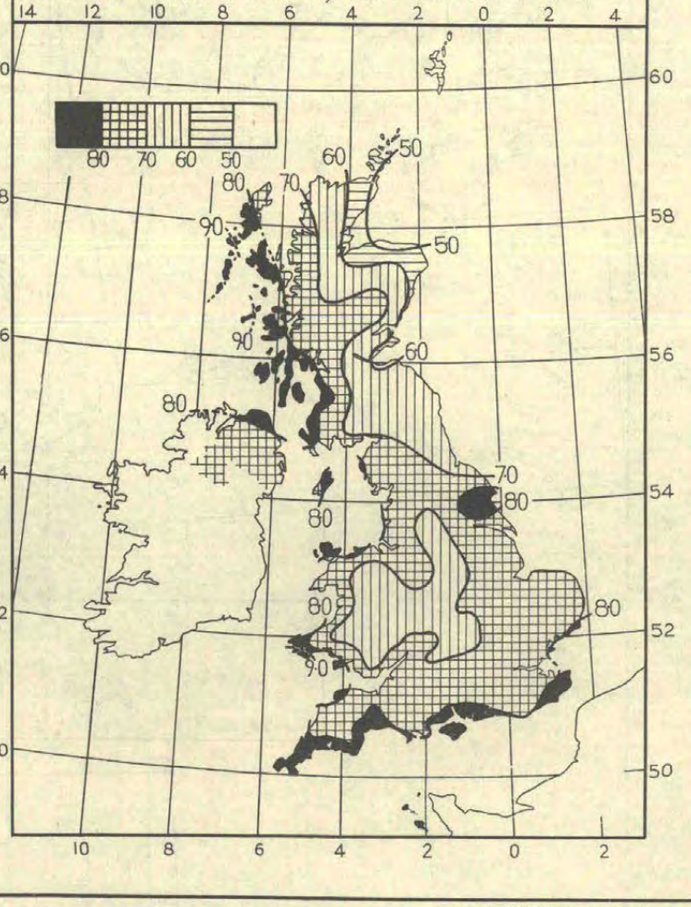
Positions of centres shown thus:- ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY



A.M.Form 1483

C.B.H.26456-Wt.44536-Dd.B.K.2328-125-9/55

RAINFALL

MAY 1959

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

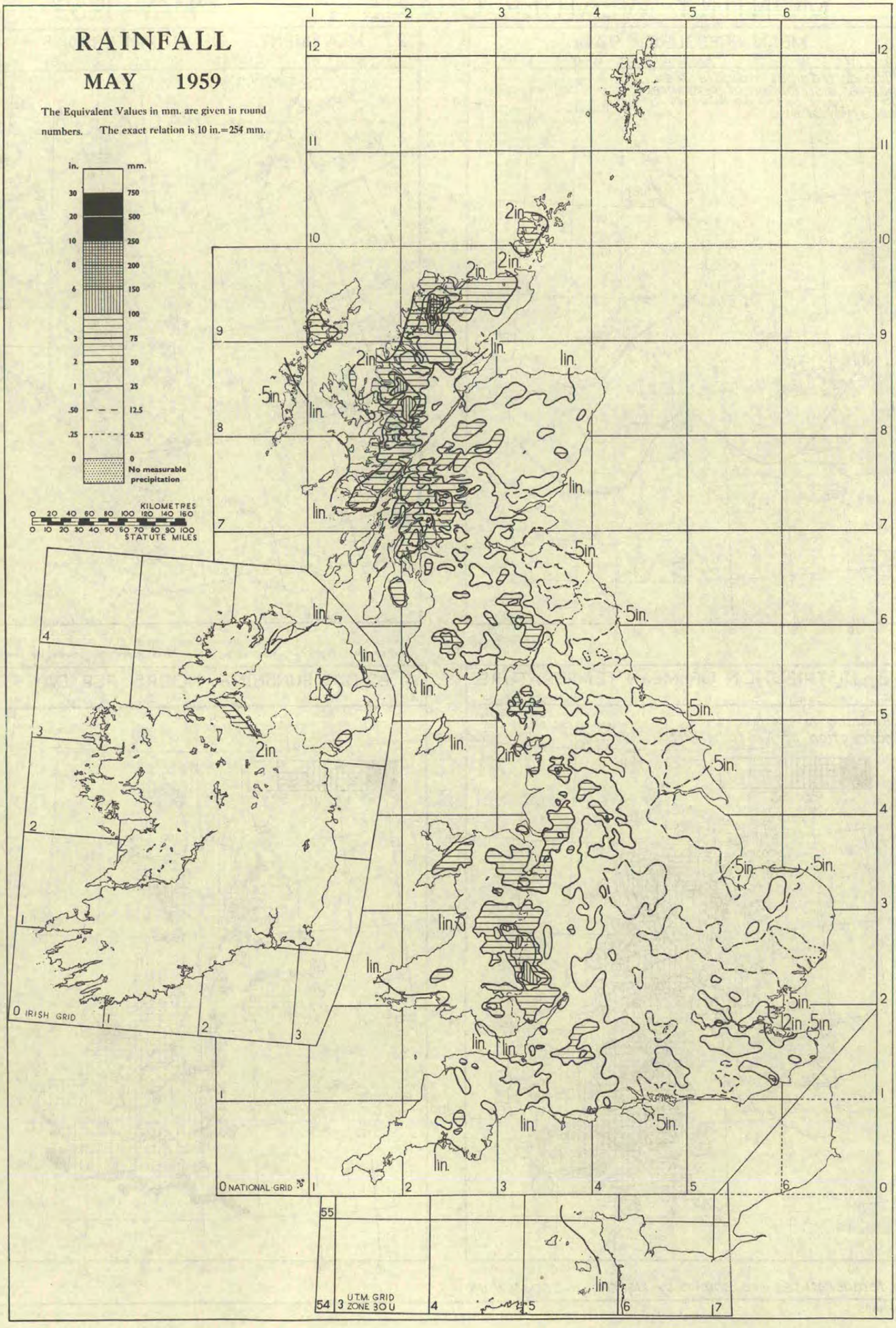


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER — MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.	
0	SCOTLAND, N.																
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	51·5	42·1	46·8	+1·2	56	1325	32	6	–	–	1·47	67	·33	2
	Baltasound ...	9 9 9	78	52·2	42·2	47·2	–	56	11,12,13	33	5,6,7	46·3	–	1·27	53	·35	3
Orkney	Sule Skerry ...	9 9 9	43	51·7	45·3	48·5	–	57	13,23	37	4	–	–	1·77	–	·63	30
	Grimsetter ...	21–9 9	84	53·5	43·2	48·3	–	62	23	32	6	–	–	1·81	94	·43	30
Caithness	Wick ... ¶§	21–9 9	119	53·8	43·8	48·8	+2.2	64	23	29	6	–	–	1·52	84	·52	30
Sutherland	Cape Wrath ...	21–9 9	367	52·7	45·2	48·9	–	65	11	36	4	–	–	2·28	87	1·05	30
	Lairg (Achany) ...	9 9 9	240	61·1	40·3	50·7	–	75	23	26	6	51·2	46·0	1·74	–	·45	30
	Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9 9 9	120	58·7	42·0	50·3	–	69	15	30	6	–	–	2·54	–	1·35	30
Ross & Cromarty	Stornoway ¶§	21–9 9	11	56·1	44·3	50·2	+2·0	66	10	34	6	–	–	1·41	62	·42	30
	Achnashellach ...	9 9 9	220	62·6	42·4	52·5	+3·0	75	10,23,24	29	1	–	–	3·32	87	·88	30
	Kinlochewe ...	9 9 9	76	62·9	43·7	53·3	–	74	11	32	6	–	–	2·09	–	·44	30
	Garve (Inchbae)	9 9 9	526	61·3	38·2	49·7	–	75	23	25	6	–	–	1·47	–	·32	2
	Fortrose ... ¶§	9 9 9	69	55·8	46·1	50·9	+2·7	68	23	37	4,6	–	–	·67	35	·19	12
	Tarbatness ...	21–9 9	60	53·8	45·3	49·5	–	62	31	32	6	–	–	·50	–	·16	12
Inverness	Benbecula ...	21–9 9	19	59·4	46·0	52·7	–	72	10	37	4	–	–	·89	32	·29	30
	Isle of Rhum ...	9 9 9	15	62·6	44·2	53·4	–	73	10,24	33	6	56·0	50·0	1·62	–	·54	7
	Duntulm ...	9 9 9	294	58·5	44·7	51·6	–	73	10	32	6	–	–	1·22	43	·50	30
	Onich ... §	9 9 9	48	63·1	45·1	54·1	–	75	10,24	33	4,5	–	–	2·39	59	·43	31
	Fort William ¶	9 9 9	34	65·3	44·7	55·0	+4·7	78	10	35	4,5,6	53·1	49·4	1·44	36	·34	31
	Fort Augustus ...	9 9 9	70	59·5	44·3	51·9	+2·9	77	23	31	6	–	–	1·43	–	·63	12
	Cannich	9 9 9	350	62·7	39·3	51·0	–	77	23	20	6	–	–	1·58	–	·60	15
	Dalwhinnie ...	18–9 9	1176	–	–	–	–	–	–	–	–	–	–	1·76	61	·31	31
	Inverness ...	9 9 9	13	58·9	45·1	52·0	–	73	23	34	6	–	–	·99	–	·60	12
	Kincraig	9 9 9	780	63·3	38·3	50·8	–	76	23	24	21	–	–	2·17	–	1·02	15
	Glenmore Lodge	9 9 9	1000	60·4	39·2	49·8	–	78	23	26	21	–	–	1·36	–	·60	31
1	SCOTLAND, E.																
Nairn	Nairn ... ¶§	9 9 9	20	58·7	43·6	51·1	+2·3	75	23	31	6,21	–	–	·59	30	·17	1
Moray	Grantown-on-Spey	9 9 9	720	63·1	39·8	51·5	–	76	11,25	26	6	–	–	1·13	–	·38	31
	Forres	9 9 9	155	59·9	43·2	51·5	–	75	11	30	6	54·1	49·0	·81	43	·27	12
	Kinloss ...	21–9 9	15	59·0	43·6	51·3	–	73	11	28	6	–	–	·74	–	·17	12
	Findhorn ...	9 9 9	20	58·7	45·4	52·1	–	72	11,22	34	6	–	–	·80	–	·19	12,31
	Elgin	9 9 9	92	59·8	44·8	52·3	–	73	23	31	6	–	–	·51	–	·18	31
	Gordon Castle ...	9 9 9	104	60·0	42·5	51·3	+1·6	72	23	28	6	–	–	·58	28	·25	31
Banff	Glenivet	9 9 9	1085	59·4	39·4	49·4	–	73	23	25	6	46·6	–	1·39	52	·50	31
	Banff	9 9 9	80	57·9	44·7	51·3	–	68	17,23	32	6	–	–	·86	–	·25	31
Aberdeen	Braemar	9 9 9	1113	60·1	40·2	50·1	+3·8	75	23	28	5	–	–	1·20	46	·39	31
	Balmoral... ...	9 9 9	927	59·8	39·8	49·8	+3·5	75	23	27	5	–	–	1·21	49	·57	31
	Logie Coldstone	9 9 9	608	60·5	41·3	50·9	+3·2	73	23	30	5	–	–	·89	–	·66	31
	Fyvie Castle ...	9 9 9	218	58·6	43·4	51·0	–	69	23	29	6	–	–	·78	–	·34	31
	Craibstone ¶§	9 9 9	300	56·4	42·4	49·4	+1·8	67	31	32	5,6	50·1	46·9	1·66	62	·84	31
	Dyce	21–9 9	185	57·2	42·5	49·9	–	68	31	30	6	–	–	1·34	48	·72	31
	Aberdeen ...	9 9 9	170	55·8	43·7	49·7	–	67	30,31	34	5	–	–	1·57	60	·76	31
	Udny	9 9 9	363	56·4	42·0	49·2	–	66	31	31	6	–	–	·92	–	·46	31
	Rattray Head ...	21–9 9	85	52·3	44·4	48·3	–	63	23	34	4,6	–	–	1·05	54	·53	31
Kincardine	Fettercairn ...	9 9 9	560	57·9	42·2	50·1	–	68	30	31	5	–	–	2·12	–	·97	31
	Stonehaven ...	9 9 9	12	54·9	42·2	48·5	–	68	30,31	30	5	–	–	2·19	92	1·35	31
	Muchalls ...	9 9 9	210	54·5	42·4	48·5	–	68	30,31	31	5	–	–	2·52	–	1·39	31
Angus	Dundee (Mylnefield)	9 9 9	100	59·2	43·5	51·3	–	69	30	31	4	51·5	47·5	·44	–	·31	31
	Dundee ... ¶	9 9 9	147	60·2	44·3	52·3	+2·9	71	30	35	4,5	53·5	–	·73	28	·42	31
	Glamis Castle ...	9 9 9	200	59·7	41·9	50·8	–	70	23	29	5	–	–	·96	–	·61	31
	Buddon Ness ...	9 9 9	15	56·7	42·0	49·3	–	70	30	28	5	–	–	·70	30	·51	31
	Carnoustie ...	9 9 9	29	58·4	44·6	51·5	–	69	14,30	35	5	55·7	–	·75	31	·55	31
	Arbroath... ...	9 9 9	95	56·4	44·1	50·3	+1·6	69	30	34	4,5	–	–	·89	42	·57	31
	Montrose... ...	9 9 9	200	58·4	43·5	49·1	–	68	30	32	5	–	–	1·61	71	·67	31
Perth	Strathyre ...	9 9 9	425	63·6	39·8	51·7	–	73	24	27	6	53·6	49·1	1·45	–	·35	7
	Loch Tay (Ardtalnaig)	9 9 9	427	63·8	43·2	53·5	–	77	24	31	5	–	–	·80	–	·25	7
	Pitlochry ...	9 9 9	473	62·7	41·6	52·1	–	72	23	30	5	–	–	·76	–	·29	31
	Pitlochry (Faskally)	9 9 9	310	62·9	42·5	52·7	–	73	23	29	5	54·9	48·9	·78	–	·28	12
	Perth	9 9 9	77	62·3	44·5	53·4	+2·8	71	23,26	31	5	–	–	·69	30	·20	31
	Blairgowrie ...	9 9 9	200	62·8	42·0	52·4	–	73	23	28	5	53·5	–	·74	–	·29	31
	Glenshee Lodge	9 9 9	1100	61·6	38·8	50·2	–	73	23	25	5	–	–	1·32	–	·40	31
Fife	Kirkcaldy ...	9 9 9	137	57·5	43·9	50·7	+0·9	67	29,30	32	4,5	–	–	·35	14	·12	31
	Cupar	9 9 9	82	58·7	42·2	50·5	–	68	23,30	30	5	52·1	–	·58	–	·36	31
	Lundin Links ...	9 9 9	80	58·3	44·5	51·4	–	69	30	35	5	–	–	·44	–	·23	31
	Leuchars... ...	21–9 9	33	57·4	44·3	50·9	+1·8	68	30	34	4,5	–	–	·56	25	·37	31
	St. Andrews ...	9 9 9	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian	Balerno	9 9 9	700	59·8	40·9	50·3	–	68	25,26	30	4,6	–	–	1·38	–	·48	12
	Midcalder ...	9 9 9	400	58·8	42·1	50·5	–	67	14,26	29	4,5	–	–	1·45	–	·73	12
	Turnhouse ...	21–9 9	114	58·5	43·0	50·7	–	68	26,29	29	4	–	–	·81	37	·45	12
	Edinburgh—			57·5	41·7	49·6	–	66	10	29	5	51·3	47·3	·52	–	·17	12
	East Craigs ...	9 9 9	50	58·4	43·5	50·9	–	67	26,29	31	4,5	–	–	·68	–	·34	12
	Davidson's Mains	9 9 9	200	58·2	44·0	51·1	–	68	29	33	4,5	–	–	·75	–	·33	12
	Penicuik ...	9 9 9	620	60·8	41·8	51·3	–	71	14	30	4,5	52·3	–	·77	–	·20	12
	Bush House ...	9 9 9	605	57·5	41·7	49·6	–	66	10	29	5	51·3	47·3	·52	–	·17	12
	Edinburgh—																
	Blackford Hill ¶§	9 9 9	441	57·2	44·4	50·8	+1·7	65	26,30	34	4,5	–	–	·41	19	·12	12
	Liberton ...	9 9 9	200	58·5	43·8	51·1	–	67	26	32	5	–	–	·44	–	·17	3
	Botanic Garden	9 9 9	74	59·0	44·2	51·6	–	69	26	33	4,5	53·5	–	·43	–	·13	12
E. Lothian	Haddington ...	9 9 9	162	58·9	42·8	50·9	–	68	13	31	5	–	–	·32	–	·17	31
	North Berwick ...	9 9 9	51	57·6	44·4	51·0	+1·5	67	29	35	5	–	–	·56	27	·27	31
	Dunbar	9 9 9	75	55·0	44·6	49·8	–	66	30	35	4	–	–	·45	–	·22	31

DISTRICT, COUNTY AND PLACE		WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
												hr.	%
0	SCOTLAND, N.												
Zetland	Lerwick Obs'y. ¶§	13	7	2	1	4	0	2	1	2	0	5·53	106
	Baltasound ...	15	10	4	1	0	0	1	0	–	0	5·18	–
Orkney	Sule Skerry ...	12	9	0	0	0	1	0	0	0	0	–	–
	Grimsetter ...	14	9	1	0	5	0	1	1	2	0	4·99	–
Caithness	Wick ... ¶§	13	8	0	0	4	0	1	2	3	0	4·34	77
Sutherland	Cape Wrath ...	13	9	0	0	0	1	1	4	0	0	–	–
	Lairg (Achany) ...	11	9	–	0	–	–	–	3	9	–	–	–
	Crask	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	13	9	2	0	0	1	1	1	–	0	5·96	–
Ross & Cromarty	Stornoway ¶§	8	7	0	0	3	0	1	0	0	0	7·78	127
	Achnashellach ...	12	9	–	0	–	–	0	2	–	–	–	–
	Kinlochewe ...	9	8	0	0	0	0	0	1	3	0	7·64	– S
	Garve (Inchbae)	14	9	0	0	0	1	0	8	11	0	–	–
	Fortrose ... ¶§	9	6	0	0	1	1	0	1	–	0	5·58	102
	Tarbatness ...	10	6	0	0	0	1	1	1	–	0	–	–
Inverness	Benbecula ...	10	6	0	0	1	1	1	1	–	0	–	–
	Isle of Rhum ...	8	6	1	0	1	1	0	0	1	0	9·08	–
	Duntulm ...	10	8	1	0	4	3	0	1	1	0	–	–
	Onich ... §	10	6	1	0	2	0	1	1	4	0	7·98	–
	Fort William ¶	12	11	0	0	1	0	0	1	6	0	7·15	137 S
	Fort Augustus ...	12	8	1	0	0	2	2	0	9	0	7·63	–
	Cannich	12	9	0	0	0	2	1	1	–	0	6·50	–
	Dalwhinnie ...	13	9	0	0	0	2	0	8	–	0	–	–
	Inverness ...	14	11	–	–	–	–	–	–	–	–	–	–
	Kincraig	5	4	0	0	1	2	2	0	3	0	5·92	–
	Glenmore Lodge	11	7	–	0	–	–	0	8	14	–	–	–
		13	6	5	0	4	3	1	6	12	0	5·46	– S
1	SCOTLAND, E.												
Nairn	Nairn ... ¶§	6	6	0	0	2	1	0	2	6	0	5·25	98
Moray	Grantown-on-Spey	14	6	–	0	–	–	0	9	10	–	–	–
	Forres	9	6	1	0	1	1	0	1	3	0	5·49	–
	Kinloss ...	9	6	0	0	3	1	0	1	7	0	5·63	–
	Findhorn ...	11	7	0	0	–	2	1	0	2	0	–	–
	Elgin	10	6	0	0	0	1	1	0	2	0	5·17	–
	Gordon Castle ...	9	5	–	0	–	–	0	1	2	0	4·88	88
Banff	Glenivet	11	7	4	0	3	1	1	4	12	0	6·13	–
	Banff	12	5	0	0	1	0	2	1	1	0	4·37	–
Aberdeen	Braemar	10	9	1	0	0	0	4	–	0	0	6·22	– S
	Balmoral... ...	9	7	0	0	0	1	–	7	8	0	–	–
	Logie Coldstone	10	3	0	0	0	0	0	2	–	0	–	–
	Fyvie Castle ...	7	5	0	0	0	0	0	2	5	–	5·10	–
	Craibstone ¶§	9	7	0	0	0	1	0	2	2	2	5·33	93
	Dyce	9	6	0	0	3	2	0	2	4	0	5·26	–
	Aberdeen ...	10	7	0	0	1	0	0	0	5	0	5·25	–
	Udny	11	8	0	0	0	3	2	–	0	0	5·17	–
	Rattray Head ...	11	6	0	0	0	1	2	0	–	1	5·14	–
Kincardine	Fettercairn ...	10	6	0	0	0	1	2	0	1	0	6·41	–
	Stonehaven ...	8	6	0	0	0	3	3	1	–	0	5·54	–
	Muchalls ...	9	5	0	0	0	1	3	3	1	0	–	–
Angus	Dundee (Mylnefield)	4	2	0	0	0	1	1	0	1	0	6·57	–
	Dundee ... ¶	8	3	1	0	1	1	0	–	0	0	–	–
	Glamis Castle ...	6	3	0	0	1	1	0	1	8	0	–	–
	Buddon Ness ...	6	2	0	–	0	1	0	0	1	0	–	–
	Carnoustie ...	4	3	0	0	1	0	0	0	3	0	6·34	–
	Arbroath... ...	7	4	0	0	0	2	0	2	0	2	5·71	91
	Montrose... ...	8	5	0	0	0	1	1	1	–	0	–	–
Perth	Strathyre ...	10	9	0	0	0	0	4	0	5	0	–	–
	Loch Tay (Ardtalnaig)	9	5	0	0	0	0	6	1	1	0	–	–
	Pitlochry ...	6	5	0	0	0	0	2	0	3	0	7·37	–
	Pitlochry (Faskally)	8	4	0	0	0	0	0	1	9	0	–	–
	Perth	7	5	0	0	0	2	2	0	1	0	7·25	130
	Blairgowrie ...	7	6	0	0	1	2	0	4	8	0	–	–
	Glenshee Lodge	11	6	1	0	3	4	0	8	12	0	–	–
Fife	Kirkcaldy ...	7	3	0	0	2	0	0	2	4	0	5·79	–
	Cupar	4	3	1	0	1	0	0	2	4	0	–	–
	Lundin Links ...	4	3	0	0	1	0	0	–	0	0	6·68	–
	Leuchars... ...	4	2	0	0	2	0	0	0	2	0	6·23	104
	St. Andrews ...	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian	Balerno	10	6	–	0	–	–	0	2	4	0	6·00	–
	Midcalder ...	9	6	0	0	0	3	0	2	3	0	6·20	– S
	Turnhouse ...	11	4	0	0	1	3	0	3	5	0	6·16	–
	Edinburgh—	10	5	0	0	0	2	4	2	3	0	5·29	–
	East Craigs ...	9	5	0	0	1	3	2	2	4	0	–	–
	Davidson's Mains	10	6	0	0	1	3	0	0	4	0	5·66	–
	Penicuik ...	9	7	0	0	1	3	2	3	4	0	6·08	– S
	Bush House ...	10	5	0	0	0	2	4	2	3	0	5·29	–
	Edinburgh—												
	Blackford Hill ¶§	5	5	0	0	0	3	2	0	3	0	5·99	108
	Liberton ...	4	4	0	0	1	3	2	1	–	0	5·21	–
	Botanic Garden	6	5	0	0	1	3	0	0	4	0	5·87	–
E. Lothian	Haddington ...	8	2	0	0	1	1	0	3	3	0	5·92	–
	North Berwick ...	12	3	0	0	1	0	1	0	–	0	5·00	87
	Dunbar	4	2	0	0	0	0	0	0	0	0	6·42	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	59·3	42·8	51·1	+2·3	69	13	31	4	–	–	·43	19	·15	1	5	3	–	0	–	–	0	2	–	–	6·44	119
	St. Abb's Head ...	9 9 9	245	51·7	45·3	48·5	–	63	31	39	4	–	–	·56	–	·21	31	5	4	0	0	0	0	6	0	0	0	–	–
Peebles	Broughton ...	9 9 9	741	61·5	41·0	51·3	–	72	15,24	25	5	–	–	2·35	–	1·00	12	11	8	0	0	0	4	0	3	6	0	–	–
	Blyth Bridge ...	9 9 9	830	59·2	41·0	50·1	–	69	10,15	29	5	–	–	1·68	–	·91	12	12	5	0	0	1	3	0	2	7	0	5·99	–
	West Linton ...	9 9 9	800	58·9	40·8	49·9	–	69	15	28	5	52·8	48·0	1·78	–	·72	11	9	7	1	0	2	4	1	4	6	0	–	–
	Peebles	9 9 9	600	62·4	40·0	51·2	–	79	24	28	5,6	–	–	1·19	–	·43	11	9	7	0	0	2	3	0	5	–	0	6·05	–
Selkirk	Selkirk (Bowhill)	9 9 9	600	62·1	41·6	51·9	–	72	14	30	6	–	–	·88	–	·27	7	8	8	0	0	0	3	0	3	0	0	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560	62·8	40·1	51·5	–	72	12,13,14	28	5,6	–	–	·74	–	·34	7	8	4	–	0	–	–	1	4	–	–	–	–
	Sourhope ...	9 9 9	900	59·8	41·0	50·4	–	71	11,12	28	4	–	–	·74	–	·23	1	7	5	2	0	0	0	0	3	3	0	7·04	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21-9 9	29	59·5	46·5	53·0	+3·6	72	10	37	4	–	–	·68	27	·19	7	11	6	0	0	1	4	0	0	3	0	9·29	125
	Rhuvaal	21-9 9	47	58·7	48·0	53·3	–	70	16	39	4	–	–	1·90	–	·39	7	9	9	0	0	0	1	0	0	0	0	–	–
	Colonsay ...	9 9 9	87	62·0	45·1	53·5	–	72	16	35	5,6	–	–	1·34	45	·43	17	20	4	–	–	–	–	0	0	–	–	–	–
	Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Loch Shiel (Polloch)	9 9 9	33	63·3	43·3	53·3	–	77	10	31	5	–	–	1·97	–	·44	7	13	11	0	0	3	3	0	2	2	0	–	–
	Tarbert (Achaglachgach)	9 9 9	100	63·5	43·1	53·3	–	74	14	29	5	–	–	1·88	–	·55	11	12	8	0	0	1	5	0	2	5	0	–	–
	Lephinmore ...	9 9 9	30	64·7	45·0	54·9	–	75	26	32	6	–	–	1·50	–	·44	31	11	10	0	0	0	3	1	1	–	0	8·27	–
	Glenbranter ...	9 9 9	120	64·2	42·6	53·4	+3·4	76	24	29	5	–	–	3·16	64	·77	16	13	11	0	0	0	6	0	2	3	0	–	–
	Dunoon Waterworks	9 9 9	228	64·8	44·7	54·7	–	76	24,25	34	5	–	–	1·94	–	·58	18	13	10	–	0	–	–	0	0	2	0	–	–
	Dunoon (Benmore)	9 9 9	46	63·8	42·2	53·0	–	74	14,23,26	31	5	53·1	50·4	2·56	53	·84	18	15	13	0	0	0	6	0	1	6	0	–	–
Bute	Rothesay ¶§	9 9 9	200	–	46·5	–	–	–	–	35	4	52·3	49·5	1·28	37	·25	18	9	8	0	0	1	4	5	0	2	1	8·40	140
	Millport	9 9 9	16	61·9	47·2	54·5	–	73	24	36	5	–	–	1·34	47	·48	31	9	7	0	0	0	3	0	0	–	1	–	–
Dunbarton	Helensburgh ...	9 9 9	293	64·0	44·0	54·0	+3·8	76	24,26	31	5	–	–	1·43	40	·22	31	12	11	0	0	2	2	0	1	–	0	7·40	130
Stirling	Stirling	9 9 9	151	62·6	45·1	53·9	+3·1	71	15	33	5	56·3	47·8	1·19	46	·43	11	10	6	0	0	0	2	0	0	4	0	–	–
	Falkirk	9 9 9	100	62·3	44·1	53·2	–	70	14,26	32	5	–	–	1·08	42	·34	11	10	6	0	0	0	0	0	1	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	63·0	46·5	54·7	+3·7	74	25,26	35	4	–	–	1·37	38	·27	31	13	8	0	0	0	4	0	0	2	0	7·27	–
	Paisley	9 9 9	106	64·5	46·2	55·3	+3·6	77	14	35	4,5	55·1	49·6	·94	34	·24	7	9	7	0	0	0	3	0	0	2	0	7·16	129
	Barrhead ...	9 9 9	97	63·0	44·3	53·7	–	75	25	30	5	–	–	1·26	–	·42	18	10	8	0	0	1	2	0	0	2	0	–	–
	Renfrew ... ¶§	21-9 9	26	64·1	45·2	54·7	+4·3	76	24,25	31	5	–	–	1·09	42	·29	18	10	8	0	0	0	4	0	1	4	0	7·40	134
Lanark	Thorntonhall ...	9 9 9	453	61·5	42·4	51·9	–	72	24,25	29	5	–	–	1·71	–	·32	9	10	10	0	0	2	5	–	2	4	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	63·3	44·6	53·9	–	74	14,24,26	34	4,5	–	–	1·22	45	·32	12	10	8	0	0	0	3	0	0	3	0	7·01	–
	Coatbridge ...	9 9 9	256	62·3	44·0	53·1	–	75	25	32	4,5	–	–	1·09	–	·32	12	8	8	0	0	1	1	0	2	–	0	–	–
	Coalburn ...	9 9 9	920	60·5	40·2	50·3	–	72	10	29	5	50·7	–	1·94	–	·60	13	12	9	0	0	0	5	1	4	10	0	6·82	–
	Leadhills ...	9 9 9	1270	61·1	40·2	50·7	–	73	24	25	4	–	–	1·86	–	·34	7	12	9	0	0	1	6	0	3	6	0	–	–
	Carnwath ...	9 9 9	706	60·5	40·9	50·7	–	71	15	27	5	–	–	2·00	–	·97	11	11	8	0	0	3	3	0	3	5	0	–	–
Ayr	Colmonell... ...	9 9 9	170	62·7	45·0	53·9	+3·6	77	10	30	5	–	–	1·63	65	·63	10	9	6	–	0	–	–	0	1	3	–	–	–
	Turnberry ...	9 9 9	25	61·9	45·7	53·8	+3·1	79	10	34	5	–	–	1·11	–	·24	11	7	7	–	0	–	–	0	0	–	–	8·01	–
	Largs (Woodbank)	9 9 9	25	66·2	46·6	56·4	–	78	23	31	5	–	–	1·43	48	·39	31	9	9	–	–	–	–	0	1	2	–	–	–
	Barr	9 9 9	400	63·7	43·0	53·3	–	76	10	28	5	–	–	1·97	–	·50	12	12	9	0	0	1	7	0	3	–	0	–	–
	Auchincruive ...	9 9 9	147	62·9	45·3	54·1	–	77	10	33	5	53·4	49·4	1·41	56	·36	12	10	7	0	0	1	3	0	0	–	0	8·20	–
	Prestwick ...	9 9 9	17	61·8	45·9	53·9	–	78	10	33	5	–	–	1·14	51	·28	31	10	7	0	0	0	4	0	0	1	0	8·90	–
	Prestwick Airport	21-9 9	30	63·2	46·0	54·6	–	79	10	33	5	–	–	1·16	49	·33	31	10	8	0	0	0	4	0	0	2	0	9·04	–
	Kilmarnock ...	9 9 9	115	63·8	45·3	54·5	+3·4	77	24	32	5	55·4	–	1·96	–	·54	11	10	7	0	0	0	1	0	1	4	0	–	–
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	62·6	43·4	53·0	–	73	10,24	28	5	–	–	1·76	–	·95	13	10	8	–	0	–	–	0	2	5	–	–	–
	Dumfries... ¶§	9 9 9	140	63·7	45·0	54·3	+3·8	74	14	31	5	53·3	49·6	·80	29	·25	7	10	7	0	–	0	5	0	2	4	0	6·64	112
	Ruthwell... ...	9 9 9	95	67·2	43·5	55·3	+4·4	79	14	31	4,5,6	–	–	1·39	60	·41	11	11	7	0	0	0	4	–	3	–	0	6·71	119
	Eskdalemuir ¶§	21-9 9	794	61·9	41·0	51·5	+3·7	72	10,11,15	24	5	51·7	47·2	3·02	80	·97	11	7	7	0	0	3	4	0	3	5	0	6·69	124
Kirkcud-bright	Bargrennan ...	9 9 9	360	64·8	44·0	54·4	–	76	10,24	28	5	–	–	1·54	–	·43	10	10	6	0	0	0	7	0	2	5	0	–	–
	Palnure	9 9 9	50	63·9	43·0	53·5	–	75	10	27	5	–	–	1·30	–	·52	10	8	7	0	0	1	6	0	3	–	1	–	–
	Glenlee	9 9 9	181	66·4	43·3	54·9	–	77	24	28	5,6	–	–	1·76	–	·68	14	10	8	0	0	0	4	0	2	2	0	–	–
	Carsphairn (Dundeugh)	9 9 9	390	64·3	40·7	52·5	–	75	10,24,25	26	6,7	–	–	1·22	–	·28	7	10	9	0	0	0	8	0	4	–	0	–	–
	Glenlochar Barrage	9 9 9	154	64·2	45·3	54·7	–	75	24	30	5	–	–	·97	–	·48	10	9	7	–	0	–	–	0	2	–	–	–	–
	Castle Douglas ...	9 9 9	196	64·1	43·7	53·9	–	76	24	28	5	53·2	–	·93	–	·33	10	8	8	–	0	–	–	0	3	6	–	7·03	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	62·4	44·1	53·3	–	73	10	31	5	–	–	1·07	–	·54	10	8	4	0	0	0	5	0	2	2	0	8·53	–
	Mull of Galloway	21-9 9	257	60·4	47·9	54·1	–	71	24	39	4	–	–	·78	–	·20	10	8	7	0	0	0	3	0	0	–	0	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21-9 9	55	60·8	47·2	54·0	–	70	15	33	5,6	–	–	·65	30	·15	10	9	6	0	0	1	3	0	0	2	0	7·95	–
	Douglas	9 9 9	284	60·8	48·2	54·5	+4·1	70	24	36	5			·97	34	·26	7	10	8	0	0	1	2	0	0	2	0	8·48	120
	Point of Ayre ...	21-9 9	30	60·5	46·8	53·7	–	72	12	33	6	–	–	1·17	58	·31	11	11	7	0	0	0	2	0	0	–	0	8·06	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	61·7	38·9	50·3	–	75	11	25	5,6	52·2	–	1·20	40	·43	7	8	5	0	0	1	2	0	5	5	0	–	–
	Bellingham ...	9 9 9	849	62·0	40·5	51·3	+3·0	75	11	29	4,5	–	–	·48	21	·27	7	5	3	0	0	0	2	0	3	–	–	–	–
	Allendale Town...	9 9 9	795	60·4	41·0	50·7	–	71	13,14,15	29	1	–	–	·58	–	·27	19	6	3	0	0	0	0	0	4	7	0	–	–
	Haydon Bridge ...	9 9 9	270	62·1	41·4	51·7	–	72	14	30	5	53·7	48·2	·31	–	·11	7	7	4	0	0	0	2	0	4	7	0	5·96	– S
	Berwick-on-Tweed	9 9 9	76	53·9	43·9	48·9	+0·7	66	31	35	4	–	–	·33	19	·15	1	4	3	0	0	0	1	2	0	0	0	4·85	84
	Cockle Park ¶§	9 9 9	326	58·1	40·6	49·3	+0·7	68	31	30	4	52·2	49·6	·36	16	·15	7	5	3	0	0	2	0	0	1	2	0	6·47	117
	Acklington ...	21-9 9	138	57·0	41·9	49·5	–	70	31	30	24	–	–	·37	–	·21	7	5	3	0	0	0	1	1	1	4	0	6·59	–
	Tynemouth ...	21-9 9	95	54·8	45·2	50·0	+0·8	68	31	37	4	–	–	·45	23	·14	19	7	5	0	0	1	1	0	0	0	0	5·85	–
Durham	Chopwellwood ...	9 9 9	446	60·6	42·4	51·5	+2·1	70	9,13	34	4,5	–	–	·54	25	·34	19	8	3	0	0	0	1	4	0	6	0	–	–
	Ushaw College ...	9 9 9	594	59·9	43·5	51·7	+2·2	71	13	34	5	–	–	·47	21	·24	7	4	2	0	0	0	0	2	0	–	0	–	–
	Houghall... ...	9 9 9	160	61·6	41·5	51·5	+1·6	70	9,13	31	6	–	–	·52	25	·21	19	6	3	0	0	0	1	0	0	3	13	0	6·85	131
	Durham ... ¶§	9 9 9	336	61·5	43·0	52·3	+2·6	70	11	34	4,5	53·4	48·5	·52	26	·23	19	6	2	0	0	0	0	–	0	4	0	6·53	124
	Gateshead ...	9 9 9	509	58·5	44·1	51·3	–	69	13	36	4	–	–	·55	–	·29	19	4	3	–	0	–	–	0	0	0	–	6·81	–
	Middleton St. Gge.	21-9 9	115	60·8	43·5	52·1	–	76	10	35	5	–	–	·52	–	·21	19	7	3	0	0	0	1	3	0	2	0	6·80	–
	West Hartlepool	9 9 9	30	57·4	45·6	51·5	–	67	31	37	4	–	–	·23	–	·13	7	7	2	0	0	0	0	0	0	2	0	6·15	–
Yorks., N. Riding	Dishforth ...	21-9 9	106	64·1	44·4	54·3	–	78	11	34	5	–	–	·47	24	·30	7	6	3	0	0	0	2	1	0	2	0	7·90	–
	York ... ¶§	9 9 9	57	64·7	45·3	55·0	+2·7	77	11	35	4	55·7	50·8	·45	23	·19	1	8	3	0	0	0	0	0	0	–	0	7·94	141
	Ampleforth ...	9 9 9	313	61·8	43·6	52·7	–	71	9,11	35	5,24	–	–	·57	26	·35	7	6	3	0	–	0	0	0	0	3	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2	ENGLAND, N.E.—cont.																												
Yorks.,	Redcar	9 9 9	25	57·8	–	–	–	69	31	–	–	–	–	·36	20	·10	7	8	4	0	0	0	1	0	–	–	0	6·17	–
N. Riding—	Whitby	9 9 9	135	57·2	44·2	50·7	–	68	31	32	4	–	–	·42	22	·16	7	6	3	0	0	0	1	2	1	1	0	6·50	–
cont.	Scarborough ¶§	9 9 9	118	58·1	46·4	52·3	+1·4	68	31	38	4	–	–	·47	26	·26	1	5	4	0	0	0	0	2	0	0	0	7·30	130
	Silpho Moor	9 9 9	665	57·9	43·1	50·5	–	68	11	34	4	51·0	–	·83	–	·38	8	6	5	–	0	–	–	–	0	2	–	–	–
Yorks.,	High Mowthorpe	9 9 9	574	60·0	42·8	51·4	–	69	9	31	4	52·2	–	·75	–	·39	1	8	6	0	0	0	1	0	1	6	0	8·20	–
E. Riding	Driffield	21-9 9	69	60·0	43·0	51·5	–	69	9	33	4,6,7	–	–	·79	–	·32	1	5	4	0	0	1	1	0	0	9	0	8·69	–
	Hull	9 9 9	8	62·2	45·5	53·9	+1·8	73	9	35	4	54·4	48·4	·42	22	·22	1	5	2	0	0	0	0	0	3	0	0	7·76	142
	Filey	9 9 9	122	55·7	44·0	49·9	–	69	31	35	4	–	–	·56	–	·27	1	7	2	0	0	0	1	0	0	0	0	7·13	–
	Bridlington	9 9 9	157	57·4	43·6	50·5	–	69	31	34	4	–	–	·53	–	·32	1	7	2	0	0	0	1	0	0	0	0	8·17	–
	Spurn Head	21-9 9	29	56·6	47·1	51·9	+1·1	71	31	42	1,2,4	–	–	·27	–	·25	1	2	1	0	0	0	1	0	–	1	0	6·94	113
Lincoln	Gunby	9 9 9	443	62·6	42·6	52·6	–	78	10	33	4,5,6	–	–	·67	–	·32	20	5	4	–	0	–	–	0	0	–	–	–	–
	Waddington	21-9 9	224	62·4	44·5	53·5	–	76	11	34	5,7	–	–	·73	–	·40	20	5	3	0	0	0	2	0	0	1	0	7·66	–
	Lincoln	9 9 9	22	63·8	41·4	52·6	–	77	11	28	4,6	53·8	50·5	·56	–	·27	20	5	3	0	0	0	1	0	6	10	0	7·38	–
	Cranwell	9 9 9	205	63·0	43·3	53·1	+1·5	77	10	32	5	54·7	53·1	·78	39	·63	20	5	3	0	0	0	1	0	1	8	0	7·08	113S
	Horncastle	9 9 9	205	61·8	44·6	53·2	–	74	11	32	4	54·3	50·2	·31	–	·17	19	5	3	0	0	0	2	0	1	5	0	–	–
	Cleethorpes	9 9 9	23	59·1	46·5	52·8	–	75	8	37	4,7	–	–	·26	–	·25	1	2	1	0	0	0	0	0	0	0	0	7·06	–
	Manby	21-9 9	55	59·5	43·6	51·5	–	72	8,9	32	6	–	–	·28	–	·11	1	4	3	0	0	0	1	0	1	5	0	7·29	–
	Skegness	9 9 9	15	58·0	45·9	51·9	+1·1	68	8,31	34	4	–	–	·29	18	·13	19	5	3	0	0	0	0	0	0	1	0	6·99	109
3	ENGLAND, E.																												
Norfolk	Terrington St. Clement	9 9 9	13	62·5	44·6	53·5	–	78	11	33	6,7	52·8	–	·50	32	·18	8	4	4	0	0	0	1	0	0	5	0	7·27	–
	Marham	21-9 9	76	62·4	44·7	53·5	–	77	11	31	1	–	–	·55	–	·26	3	5	3	0	0	0	2	0	2	1	0	–	–
	Santon Downham	9 9 9	80	63·7	39·0	51·3	–	78	11	24	6	52·6	50·0	·88	–	·50	8	4	3	–	0	–	–	–	11	11	0	–	–
	West Raynham	21-9 9	250	59·8	44·7	52·3	–	74	11	34	1	–	–	·93	–	·41	8	7	6	0	0	1	2	0	0	6	0	7·47	–
	Cromer	9 9 9	178	58·8	45·9	52·3	+0·6	77	8	30	1	–	–	·60	35	·34	8	5	4	0	0	0	1	0	1	4	0	6·68	106
	Sprowston ¶§	9 9 9	93	60·5	43·2	51·9	0·0	74	8,11	31	5,6	–	–	·39	22	·26	3	4	3	0	0	0	1	–	3	11	0	7·81	119
	Burlingham	9 9 9	89	60·8	44·6	52·7	–	75	11	32	5	–	–	·40	24	·23	3	3	3	0	0	0	1	0	1	2	0	7·87	– S
	Gorleston ¶§	21-9 9	5	55·9	46·7	51·3	-0·1	64	14	36	4	55·1	51·9	·31	21	·21	3	3	2	0	0	0	0	0	0	1	0	7·75	115
Suffolk	Mildenhall	21-9 9	15	63·5	44·3	53·9	–	80	10	33	6,7	–	–	1·24	77	·99	8	5	3	0	0	1	1	0	0	5	0	7·55	–
	East Bergholt	9 9 9	14	64·3	43·2	53·7	–	75	8,10	30	5	–	–	·33	–	·21	3	5	2	0	0	0	0	0	3	6	0	–	–
	Felixstowe	21-9 9	10	59·9	47·0	53·5	+1·1	69	11	39	4,5,6	–	–	·28	20	·17	3	5	2	0	0	0	1	0	0	3	0	8·22	114
	Lowestoft	9 9 9	82	58·2	45·6	51·9	+0·4	69	11	33	5	54·8	52·0	·38	26	·31	3	3	2	0	0	0	0	0	0	1	0	7·64	112
Cambridge	Boxworth	9 9 9	157	63·8	43·4	53·6	–	78	10	31	7	–	–	·52	29	·16	20	7	4	0	0	0	0	0	1	8	0	7·22	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	64·9	43·5	54·2	+1·1	80	10	31	6	55·6	52·6	·44	24	·15	20	6	3	0	0	0	1	0	3	7	1	7·25	119
Huntingdon	Wyton	21-9 9	129	63·7	44·5	54·1	–	79	10	32	7	–	–	·43	–	·23	20	5	3	0	0	0	0	0	1	4	0	–	–
Bedford	Woburn	9 9 9	291	63·3	43·4	53·3	+1·3	77	10	31	7	56·7	51·3	·66	30	·29	3	6	5	0	0	0	2	0	3	5	0	7·01	116
	Harrold	9 9 9	150	64·9	42·2	53·5	–	78	10,11,12	28	7	52·3	49·4	·40	–	·14	21	7	3	0	0	0	2	0	4	11	1	–	–
	Dunstable	21-9 9	516	62·5	44·3	53·4	–	77	10	33	4	54·2	50·1	·69	–	·26	3	6	5	0	0	1	2	0	0	5	0	7·13	–
	Goldington	9 9 9	107	64·7	44·6	54·7	–	79	10,11	33	6	–	–	·76	–	·39	21	5	5	0	0	0	2	0	0	5	0	–	–
	Luton	9 9 9	379	63·0	43·7	53·3	+1·2	76	10,11,12	32	6	56·0	–	·76	39	·29	3	6	4	–	0	–	–	0	1	5	0	6·84	112
	Silsoe	9 9 9	195	63·7	42·6	53·1	–	78	10	30	6,7	54·8	50·6	·65	34	·23	3	6	4	0	0	0	1	0	3	10	0	7·21	–
	Cardington	21-9 9	93	64·6	41·7	53·1	–	80	10	29	7	–	–	·59	33	·26	21	5	5	0	0	0	2	0	4	10	0	7·20	–
Hertford	Bovingdon	21-9 9	516	62·7	43·7	53·2	–	76	10,11,12	32	6	–	–	·72	–	·32	3	6	4	0	0	0	3	0	1	6	0	–	–
	Garston	9 9 9	263	64·6	44·0	54·3	–	79	11,12	32	6	–	–	·63	–	·26	21	5	4	0	0	0	4	0	1	6	0	6·37	–
	Rothamsted ¶§	9 9 9	420	63·5	43·8	53·7	+1·9	78	10,11,12	33	6	54·0	49·2	1·27	61	·92	21	5	4	0	0	0	3	0	0	5	0	7·08	118
	St. Albans	9 9 9	272	63·9	43·7	53·8	+1·5	77	10,12	33	6	54·3	–	1·31	71	·80	21	5	4	0	0	1	2	0	0	3	0	–	–
	Bayfordbury	9 9 9	221	63·6	41·3	52·5	–	78	10	29	6	–	–	·85	48	·30	19	5	4	0	0	0	1	0	3	9	0	7·10	– S
	Stanstead Abbotts	9 9 9	97	64·0	41·5	52·7	–	78	10	29	6	55·2	52·9	1·10	–	·61	21	5	5	–	0	–	–	0	4	4	0	–	–
	Eastwick Lodge	9 9 9	137	63·5	41·4	52·5	–	77	10	29	6	–	–	1·27	76	·81	21	5	5	–	0	–	–	0	4	–	0	–	–
Essex	Stansted	9 9 9	330	62·9	44·0	53·5	–	79	10	34	6	–	–	·71	–	·21	21	5	4	0	0	0	4	0	0	7	0	–	–
	Saffron Walden	9 9 9	295	63·0	43·5	53·3	–	77	10	32	6	52·8	49·1	·43	–	·12	3,19	6	4	0	0	0	2	0	1	10	0	–	–
	Writtle	9 9 9	105	64·1	42·4	53·3	–	78	10	31	5,6	–	–	·99	60	·33	21	6	5	0	0	0	2	0	2	5	0	7·18	–
	Coryton	9 9 9	9	63·3	45·2	54·3	–	77	10	35	5,6	56·7	53·9	·92	–	·30	19	5	5	0	0	0	2	0	0	0	0	–	–
	Southend	9 9 9	90	63·2	46·7	54·9	–	76	11	38	1,2,4	–	–	1·01	65	·31	21	5	5	0	0	0	2	0	0	0	0	7·64	109
	Maldon	9 9 9	14	62·5	45·5	54·0	–	76	10	35	5,6	–	–	·67	–	·14	3	7	5	0	0	0	0	0	0	–	0	–	–
	Earls Colne	9 9 9	160	64·1	43·5	53·8	–	76	10,11	31	5,6	55·2	52·3	·36	22	·13	3	5	3	–	0	–	–	0	2	4	0	–	–
	Shoeburyness ¶§	21-9 9	11	60·5	45·5	53·0	+0·2	72	10	37	5,6	–	–	·87	57	·38	21	5	5	0	0	0	1	0	0	5	0	7·74	110
	Clacton	9 9 9	53	58·9	46·7	52·8	–	65	10,12,13	37	1,4	56·0	53·1	·27	18	·18	3	5	1	0	0	0	1	0	0	0	1	8·46	120
	Walton-on-Naze	9 9 9	35	59·1	45·7	52·4	–	66	10	35	4	–	–	·28	–	·21	3	4	2	0	0	0	2	0	0	2	0	8·30	–
	Dovercourt	9 9 9	11	60·3	45·5	52·9	–	67	8,10,31	34	6	–	–	·25	–	·15	3	3	2	–	–	–	–	0	0	–	0	7·95	–
4	MIDLAND COUNTIES																												
Yorks.,	Slaidburn	9 9 9	629	62·7	44·0	53·3	–	74	12	30	5	–	–	1·66	–	·53	10	10	7	0	0	1	4	0	2	3	0	7·40	–
W. Riding	Malham Tarn	9 9 9	1297	59·7	43·1	51·4	–	73	12	30	4	49·6	–	·89	–	·28	7	11	7	0	0	1	5	1	2	11	0	–	–
	Bingley	9 9 9	610	61·1	43·4	52·3	–	73	11	34	4,5,6	–	–	1·33	53	·52	7	9	7	0	0	0	3	0	0	3	0	–	–
	Huddersfield §	9 9 9	325	63·3	45·0	54·1	+3·0	75	10	32	5	53·2	49·5	1·20	–	·36	10	8	6	–	0	–	–	0	1	3	0	6·20	130
	,, (Oakes)	21-9 9	762	63·1	44·4	53·7	+3·4	75	10	35	5	53·5	48·7	1·57	59	·58	10	9	6	0	0	0	4	1	0	4	0	6·45	–
	Bradford ¶	9 9 9	439	61·8	44·9	53·3	+2·6	73	11	34	5	52·8	48·8	1·19	49	·32	7	8	6	0	0	0	3	0	0	4	0	–	–
	Ilkley	9 9 9	315	65·7	44·4	55·1	+4·2	78	11	33	5	–	–	·79	30	·32	19	5	5	0	0	0	0	4	0	0	–	0	7·01	130
	Sheffield	9 9 9	429	63·5	46·5	55·0	+3·1	78	10	35	5	53·7	49·6	1·05	46	·31	1	6	5	0	0	0	0	4	–	0	3	0	6·28	122
	Wakefield	9 9 9	121	65·0	45·1	55·1	+2·9	75	11	33	4,5	53·6	49·5	·94	42	·28	11	6	6	0	0	0	2	0	0	7	0	–	–
	Killinghall	9 9 9	365	61·3	43·0	52·1	–	74	11	31	5	51·6	–	·86	–	·38	19	5	4	0	0	0	1	0	1	–	0	7·30	–
	Pontefract	9 9 9	255	63·1	44·9	54·0	+2·8	74	10	35	4	–	–	·65	33	·27	1	5	5	0	0	0	1	0	1	2	0	7·17	–
	Bramham	9 9 9	177	63·4	42·9	53·1	–	75	11	30	5	–	–	·73	–	·30	19	6	4	0	0	0	2	1	1	4	0	7·43	–
	Cawood	9 9 9	20	64·6	43·2	53·9	–	77	14	33	4,5	55·7	51·7	·54	27	·24	1	6	4	0	0	0	0	0	0	5	0	7·43	–
	Askham Bryan	9 9 9	90	64·7	42·9	53·8	–	77	11,12	32	4,5	–	–	·54	26	·21	1	7	3	0	0	0	2	0	2	2	0	7·51	–
Derby	Buxton	9 9 9	1007	60·2	43·5	51·9	+3·2	74	10	32	5,6	53·1	49·6	·72	25	·31	1	7	5	0	0	0	2	2	2	3	0	–	–
	Chapel en le Frith	9 9 9	728	62·9	44·1	53·5	–	76	10,12	28	5	–	–	·81	–	·40	1	5	5	0	0	1	4	0	2	4	0	–	–
	Wirksworth	9 9 9	565	63·6	44·9	54·3	–	76	10	34	4	–	–	·59	–	·29	20	6	4	0	0	1	2	1	0	4	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

District, County and Place	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	65·2	45·3	55·3	-	78	10,11	32	5,6	-	-	·34	-	·21	20	4	3	0	0	0	0	0	2	6	0	6·69	-
Morley	9 9 9	350	63·7	44·2	53·9	-	76	10,11	32	5,6	-	-	·41	-	·21	20	5	5	0	0	0	2	-	2	2	0	6·72	-
Chesterfield ...	9 9 9	298	64·1	43·8	53·9	-	78	10	33	5,6	-	-	1·04	-	·28	20	7	6	0	0	1	2	1	0	-	0	-	-
Nottingham Sutton Bonington	9 9 9	157	63·7	43·0	53·3	+1·3	78	10	30	5,6	53·2	50·9	·30	16	·20	20	5	2	0	0	0	1	1	3	8	0	6·67	117
Watnall ...	21-9 9	385	63·9	44·6	54·3	-	80	10	32	5	-	-	·57	28	·31	20	7	3	0	0	0	2	0	1	6	0	6·88	-
Mansfield ...	9 9 9	357	63·0	44·8	53·9	+2·0	79	10	33	5	-	-	·90	42	·41	20	5	4	0	0	0	1	0	0	6	0	-	-
Nottingham ¶§	9 9 9	192	64·2	46·5	55·3	+2·6	79	10,11	34	5	54·7	51·6	·39	20	·29	20	4	2	0	0	0	0	0	0	3	0	6·22	116
Warsop	9 9 9	150	63·8	41·7	52·7	-	78	10	27	5	-	-	·72	40	·32	20	8	3	0	0	0	2	0	3	6	0	6·73	-
Finningley ...	21-9 9	34	64·8	44·5	54·7	-	79	10	34	5,7	-	-	·37	-	·21	1	4	3	0	0	0	0	0	0	3	0	7·37	-
Langar	21-9 9	106	64·0	43·3	53·7	-	81	10	30	6	-	-	·45	-	·39	20	5	1	0	0	0	1	0	4	7	0	-	-
Leicester Leicester (Towers)	9 9 9	267	65·4	44·5	54·9	-	81	10,11	32	5,7	54·5	50·2	-	-	-	-	-	-	0	0	0	1	0	2	4	0	7·05	-
Caldecott ...	9 9 9	175	63·9	40·4	52·1	-	79	11	27	5,7	-	-	·41	-	·19	20	5	3	0	0	0	0	0	6	8	0	6·97	-
Northampton Wellingborough	9 9 9	298	65·1	43·9	54·5	-	79	10	33	4,5,7	-	-	·28	-	·12	21	5	2	0	0	0	2	0	0	4	0	-	-
Kettering ...	9 9 9	297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raunds	9 9 9	193	64·6	42·5	53·5	-	80	10	31	5,7	56·2	50·1	·33	17	·15	20	5	4	0	0	0	0	0	3	5	-	-	-
Wittering ...	21-9 9	216	62·7	44·8	53·7	-	78	10	34	4,5	-	-	·71	-	·48	20	6	4	0	0	0	2	0	0	4	0	7·17	-
Warwick Birmingham ¶§	21-9 9	536	63·3	47·0	55·1	+2·9	77	12	37	4,6	50·5	48·8	1·06	41	·30	21	9	7	0	0	0	4	0	0	4	0	6·26	116
Luddington ...	9 9 9	138	65·6	43·9	54·7	-	78	10,12	31	7	-	-	·99	48	·30	11	8	6	0	0	1	4	0	2	5	0	6·72	-
Stratford on Avon	9 9 9	160	65·0	43·2	54·1	-	79	13	31	4,7	57·1	-	1·29	-	·71	11	8	6	0	0	0	5	0	3	6	0	6·47	-
Elmdon	21-9 9	324	63·2	43·7	53·5	-	75	10,12	31	7	-	-	·78	35	·19	1	8	5	0	0	0	4	0	1	3	0	6·84	-
Shipston on Stour	9 9 9	365	64·2	45·0	54·6	-	76	12	35	4,6,7	55·2	-	·59	-	·15	3	7	6	0	0	0	5	0	0	6	-	7·15	-
Wellesbourne ...	9 9 9	153	64·8	43·1	53·9	-	78	12,13	30	7	54·6	52·0	·48	22	·15	21	7	5	0	0	1	5	0	3	9	0	6·73	-
Moreton Morrell	9 9 9	280	64·7	43·4	54·1	-	78	12	28	4	-	-	·50	-	·17	21	5	5	0	0	0	3	0	3	7	0	6·74	-
Coventry... ...	9 9 9	338	63·6	45·2	54·4	+1·8	77	12,13	34	2,4	54·6	50·4	·60	28	·19	1	8	4	0	0	0	3	0	0	-	0	6·45	119S
Rugby	9 9 9	385	63·3	44·9	54·1	-	77	10	33	5	55·9	52·5	·45	-	·22	3	6	4	0	0	0	0	-	0	5	0	6·65	-
Oxford Oxford ... ¶§	9 9 9	208	65·0	45·9	55·5	+2·0	79	12	35	5,6	56·8	53·1	1·01	50	·41	21	9	5	0	0	0	4	0	0	6	0	7·35	126
Buckingham Aylesbury ...	9 9 9	316	64·7	43·7	54·2	-	78	12	31	6	-	-	·62	-	·23	3	7	4	0	0	0	1	1	1	11	0	7·18	-
Bletchley ...	9 9 9	281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stafford Keele	9 9 9	587	62·7	45·6	54·1	-	75	10	34	4	54·2	49·3	1·43	56	·65	11	8	6	0	0	0	4	1	0	3	0	7·32	- S
Oaken	9 9 9	409	64·7	43·9	54·3	-	76	10,11	31	6	53·0	-	·69	-	·16	20	9	7	-	-	-	-	1	4	-	-	-	-
Wheaton Aston ...	9 9 9	365	63·2	44·4	53·8	-	74	11	31	6	54·2	-	1·18	-	·55	11	6	6	0	0	0	4	0	1	2	0	6·71	-
Stone	9 9 9	350	63·1	43·6	53·3	-	74	10	28	6	-	-	·75	-	·35	11	8	5	0	0	0	3	0	2	7	0	7·12	-
Penkridge ...	9 9 9	330	63·5	43·7	53·6	-	74	10,11	30	6	-	-	·90	-	·44	11	9	6	0	0	0	3	0	2	5	0	-	-
Onecote	9 9 9	1350	58·9	42·5	50·7	-	72	12	32	4	49·0	45·4	·88	-	·42	1	6	6	0	0	0	0	0	1	0	0	7·55	-
Shropshire Oswestry... ...	9 9 9	570	62·2	46·5	54·3	-	72	13	37	4	-	-	3·19	-	1·23	21	11	8	0	0	0	5	0	0	1	0	6·68	- S
Shrewsbury ...	9 9 9	184	64·9	45·5	55·2	-	74	13	32	6	56·7	54·1	1·42	68	·49	21	12	7	0	0	0	4	0	1	4	0	6·65	-
Shawbury ...	21-9 9	235	63·8	43·9	53·9	-	73	11	30	6	-	-	1·87	88	·41	12	12	10	0	0	1	4	0	1	8	0	6·93	-
Newport ...	9 9 9	211	64·4	43·5	53·9	-	74	10,11	30	6	-	-	·99	45	·43	11	10	6	0	0	1	5	0	2	8	0	6·61	-
Worcester Malvern	9 9 9	203	65·0	46·7	55·9	+2·7	74	11,12,13	38	7	56·1	50·6	·97	38	·24	21	8	6	0	0	1	5	0	0	1	0	6·60	109
Worcester (Redhill)	9 9 9	190	65·4	45·0	55·2	-	76	15	33	4,7	-	-	1·43	62	·65	11	8	5	0	0	0	0	0	0	3	0	6·36	-
Droitwich ...	9 9 9	106	62·6	45·4	54·0	-	73	10	33	4	-	-	1·17	-	·40	21	9	6	0	0	0	5	0	0	-	0	6·63	-
Pershore (Institute of Horticulture)	9 9 9	130	64·8	44·8	54·8	-	76	12	34	4,7	-	-	·74	-	·20	31	7	6	0	0	0	3	0	0	6	0	7·04	-
Pershore	21-9 9	110	65·0	44·7	54·9	-	76	12	33	4,6	-	-	·76	-	·19	31	8	6	0	0	0	6	0	0	5	0	7·08	-
Halesowen ...	9 9 9	505	63·9	43·4	53·7	-	75	12	30	6	54·9	49·9	·93	-	·20	20	9	7	0	0	0	3	0	1	6	0	6·90	-
Hereford Lyonshall ...	9 9 9	510	63·4	44·6	54·0	-	71	12,13	32	6	-	-	3·42	-	1·27	12	10	6	0	0	0	5	-	1	6	-	-	-
Ross-on-Wye ¶§	21-9 9	223	64·6	46·1	55·3	+2·4	75	12	32	4	55·7	52·4	1·40	65	·33	20	9	6	0	0	0	5	0	1	5	0	6·79	115
Preston Wynne ...	9 9 9	274	64·3	43·4	53·9	-	74	12	31	4	-	-	1·01	-	·26	20/21	9	6	0	0	0	3	0	2	4	0	6·95	-
Gloucester Bristol (Filton) ...	21-9 9	192	64·5	46·5	55·5	-	74	12	33	4	-	-	1·19	52	·25	12	8	8	0	0	0	5	0	0	5	0	7·34	-
Ruscombe ...	9 9 9	610	63·6	45·1	54·3	-	75	12	34	4	-	-	1·10	44	·30	3	9	8	0	0	0	4	0	0	-	0	-	-
Cirencester ...	9 9 9	443	63·8	44·0	53·9	-	77	12	31	4	-	-	1·05	40	·36	21	7	6	0	0	0	3	0	2	7	-	7·23	-
Little Rissington	21-9 9	740	62·1	45·5	53·8	-	76	12	37	4,5	-	-	·54	24	·17	21	6	5	0	0	0	6	0	0	1	0	6·90	-
5 ENGLAND, S.E.																												
London Kensington ...	9 9 9	81	66·1	47·7	56·9	+1·7	81	11,12	37	4	56·8	52·8	·72	39	·25	21	5	4	0	0	0	1	0	0	0	0	-	-
Hampstead ...	9 9 9	450	63·1	46·0	54·5	+1·8	77	12	35	4	-	-	·74	37	·35	21	5	4	0	-	0	2	-	0	6	0	7·45	119
Westminster ...	9 9 9	27	65·3	48·9	57·1	+1·5	79	12	40	4	-	-	·89	51	·39	21	5	4	0	-	0	1	-	0	0	-	-	-
Regent's Park ...	9 9 9	129	65·8	47·1	56·5	-	80	11,12	38	4	-	-	·99	-	·47	21	4	4	-	0	-	-	0	0	0	-	7·24	120
Camden Square ...	9 9 9	121	65·4	47·3	56·3	+0·5	79	11,12	38	4	58·7	55·0	·91	51	·34	21	5	5	0	0	0	2	-	0	2	0	-	-
Kingsway ...	—	—																									6·75	-
Bunhill Row ...	—	—																									7·21	123
Greenwich (Maritime Museum)	9 9 9	24	65·0	46·0	55·5	-	79	11	36	5,6	-	-	1·00	58	·41	21	5	5	0	0	0	0	0	0	-	0	6·90	-
Middlesex London Airport	21-9 9	82	65·6	46·4	56·0	-	81	12	35	6	-	-	·87	48	·43	21	7	5	0	0	1	2	0	0	1	0	7·14	-
Hampton ...	9 9 9	39	65·5	47·1	56·3	-	80	12	36	6	-	-	·99	-	·47	21	7	5	0	0	1	3	0	0	3	0	7·77	-
Wealdstone ...	9 9 9	175	65·1	45·1	55·1	+1·0	80	11,12	33	1,6	57·0	50·4	·53	26	·25	21	4	3	0	0	0	2	0	0	5	0	6·86	-
Southgate ...	9 9 9	221	64·5	45·6	55·1	-	78	11,12	37	4,6	55·6	-	1·84	-	1·40	21	5	5	0	0	0	2	0	0	3	0	7·09	- S
Surrey Farnham... ...	9 9 9	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisley	9 9 9	150	65·2	44·7	54·9	+1·1	80	12	32	6	56·5	52·6	·61	33	·27	3	5	5	0	0	0	3	0	1	5	0	7·19	117
Great Bookham	9 9 9	466	62·4	43·7	53·1	-	77	12	34	4	54·6	-	·83	-	·30	3	6	6	0	0	0	1	0	0	5	0	7·30	-
Mickleham ...	9 9 9	179	63·9	41·2	52·5	-	77	12	29	6,7	-	-	·70	36	·28	3	6	5	0	0	0	2	0	5	8	0	-	-
Kew Observatory ¶§	21-9 9	18	64·5	47·5	56·0	+1·5	79	11,12	38	5,6	56·0	52·8	·53	29	·15	3	5	4	0	0	0	2	0	0	6	0	7·43	118
Gatwick	21-9 9	194	64·3	42·7	53·5	-	79	12	29	6	-	-	·63	-	·21	19	5	3	0	0	0	4	0	3	4	0	7·71	-
Croydon (Waddon)	9 9 9	220	64·2	44·8	54·5	+0·8	78	11,12	32	6	-	-	1·17	62	·78	3	5	5	-	-	-	-	-	1	-	-	-	-
Addington ...	9 9 9	474	63·1	45·0	54·1	+1·4	77	11,12	35	4	-	-	1·23	61	·73	3	5	5	-	-	-	-	0	0	-	-	-	-
Kent Bromley	9 9 9	213	64·4	45·9	55·1	+1·0	79	11	33	6	-	-	1·04	56	·45	21	5	5	0	0	0	1	0	0	-	0	-	-
Swanley	9 9 9	177	64·2	42·0	53·1	-	80	11	29	5,6	54·0	-	·80	-	·34	21	4	4	0	0	0	1	2	0	2	10	0	6·54	-
Dartford	9 9 9	17	64·2	44·0	54·1	-	79	11	32	6	-	-	1·21	-	·52	21	5	5	0	0	0	1	0	0	1	-	-	-
Tunbridge Wells	9 9 9	351	63·4	43·7	53·5	+0·5	79	12	31	1	56·5	53·6	1·32	63	·69	21	6	4	0	0	0	2	0	1	1	0	7·39	109
West Malling ...	21-9 9	304	62·2	45·1	53·7	-	77	10	37	5,6	-	-	1·05	54	·69	21	5	4	0	0	1	2	0	0	4	0	7·41	-
Goudhurst ...	9 9 9	290	63·5	41·6	52·5	-	78	12	29	5,6	-	-	1·51	72	1·02	21	4	4	0	0	2	2	0	3	10	0	-	-
East Malling ¶§	9 9 9	122	64·1	43·3	53·7	+1·2	80	11	31	5	-	51·8	1·12	58	·75	21	5	4	0	0	2	2	0	3	5	0	7·55	116

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max, Min, Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	63·5	45·7	54·6	–	78	10	34	5	–	–	·78	–	·20	21	6	4	0	0	0	1	0	0	–	0	7·05	–
	Sittingbourne ...	9 9 9	224	61·3	43·2	52·3	–	75	11	31	5	54·7	52·0	1·09	–	·37	3	5	4	0	0	0	2	3	3	6	0	7·30	–
	Isle of Grain ...	9 9 9	9	61·0	49·2	55·1	–	76	10	39	1, 4	–	–	1·05	–	·34	21	5	5	0	0	0	1	0	0	0	0	7·07	–
	Throwley ...	9 9 9	493	60·9	44·0	52·5	–	76	11	34	5	54·9	50·6	·86	–	·28	19	4	4	0	0	0	1	0	0	4	0	7·70	–
	Faversham ...	9 9 9	157	61·3	44·1	52·7	–	76	11	31	5, 6	54·0	51·6	·98	–	·36	21	5	4	0	0	0	1	0	2	4	0	7·44	–
	Dungeness ...	21–9 9	10	59·4	47·1	53·3	–	72	12	33	1	–	–	·66	40	·39	21	4	4	0	0	0	2	0	0	–	0	–	–
	Wye	9 9 9	185	62·5	45·5	54·0	+1·4	79	11	35	5	–	–	·90	43	·44	20	5	4	0	0	1	1	0	1	0	0	7·99	118
	Whitstable ...	9 9 9	9	60·5	46·0	53·3	–	77	10	32	6	–	–	2·07	143	1·19	19	5	5	0	0	0	0	0	1	–	0	7·21	–
	Folkestone ...	9 9 9	128	61·2	48·7	54·9	–	74	11, 12	40	4	–	53·1	·94	55	·42	20	4	4	0	0	0	0	0	2	2	0	8·38	–
	Wingham (Elmstone)	9 9 9	28	62·2	43·6	52·9	–	76	10, 11	31	5, 6	–	–	·78	–	·25	19	5	4	0	0	0	0	0	2	2	0	–	–
	Herne Bay ...	9 9 9	21	60·9	49·0	54·9	–	78	10	39	5	–	–	·96	62	·35	21	5	5	0	0	0	0	0	0	–	0	7·37	–
	Dover	9 9 9	19	60·8	48·7	54·7	+1·5	73	11	40	4	57·2	54·2	·98	56	·35	19	4	4	0	0	0	1	0	0	0	0	8·14	– S
	Ramsgate ...	9 9 9	80	58·2	49·8	54·0	–	71	10	42	4	–	–	·41	26	·17	3	5	4	0	0	0	0	0	0	–	–	8·20	116
	Margate	9 9 9	51	58·1	49·8	53·9	+1·0	75	10	42	6	–	53·0	·38	27	·15	3	4	3	0	0	0	0	0	0	0	0	8·32	114
Sussex	Thorney Island ...	21–9 9	10	65·3	47·2	56·3	–	78	13	37	6	–	–	·33	–	·13	28	7	3	0	0	0	2	0	0	0	0	8·58	–
	Bognor Regis ...	9 9 9	24	63·0	47·6	55·3	+2·3	76	13	39	6	–	53·9	·32	17	·10	11	4	4	0	0	0	1	0	0	0	0	8·70	122
	Fernhurst ...	9 9 9	188	64·7	43·5	54·1	–	79	12	31	6	56·1	–	1·40	–	·45	20	6	6	0	0	1	2	0	3	3	0	7·59	–
	Littlehampton ...	9 9 9	15	64·4	48·3	56·3	+3·2	77	13	38	6	–	54·6	·39	22	·11	20	5	4	0	0	0	1	0	0	–	0	9·02	124
	Worthing ...	9 9 9	25	63·6	48·8	56·2	+2·7	75	13	41	1, 4, 6	56·7	52·9	·79	48	·48	11	4	4	0	0	0	2	0	0	0	1	8·65	115
	Brighton ...	9 9 9	32	64·1	49·0	56·5	–	76	11	40	5	–	55·1	·45	28	·26	20	4	3	0	0	0	1	0	0	0	0	7·96	–
	East Grinstead ...	9 9 9	440	64·2	43·0	53·6	–	78	12	30	5, 6	–	51·5	·47	–	·20	20	4	3	0	0	0	0	0	2	2	0	–	–
	Seaford	9 9 9	45	62·7	47·1	54·9	–	76	12	37	5	–	–	·38	22	·18	20	4	3	–	–	–	–	1	0	–	–	7·81	–
	Eastbourne ...	9 9 9	35	62·2	48·6	55·4	+2·1	75	12	40	5, 6	57·5	53·4	·49	28	·22	20	4	3	0	0	0	1	0	0	0	–	8·07	107
	Eastbourne (C/guard)	21–9 9	17	62·8	47·2	55·0	–	78	12	37	6	–	–	·56	–	·27	20	4	3	0	0	0	0	0	0	0	0	–	–
	Hankham ...	9 9 9	68	64·6	44·7	54·7	–	78	12	35	1, 5	55·5	52·4	·60	–	·29	20	5	3	0	0	0	4	0	0	13	0	7·94	–
	Bexhill	9 9 9	14	61·9	48·3	55·1	+1·8	73	11	38	1	57·0	–	·65	38	·33	20	4	4	0	0	0	1	0	0	0	0	7·73	–
	Sedlescombe ...	9 9 9	175	63·0	44·5	53·7	–	78	11, 12	34	1, 5	–	–	·47	–	·20	20	4	4	0	0	0	1	0	0	5	0	–	–
	Bodiam	9 9 9	73	63·8	42·4	53·1	–	79	11, 12	29	5	55·9	51·5	·84	–	·44	21	5	4	0	0	0	3	0	3	3	–	7·50	–
	Hastings ¶§	9 9 9	149	63·0	47·8	55·4	+2·1	75	11, 12	39	2, 6	58·8	55·0	·56	32	·24	20	4	4	0	0	1	2	0	0	0	0	7·95	109
Berkshire	Abingdon ...	21–9 9	210	65·4	44·5	54·9	–	80	12	32	4, 6	–	–	·82	43	·24	3	9	7	0	0	1	4	0	2	6	0	7·40	–
	Woolhampton ...	9 9 9	370	64·4	44·1	54·3	–	79	12	35	3, 7	56·4	–	·82	42	·41	21	9	4	0	0	1	2	0	0	4	0	–	–
	Shinfield	9 9 9	200	64·8	45·0	54·9	+1·6	79	12	34	5, 6	–	–	·32	–	·12	3	6	4	0	0	0	2	0	0	4	0	7·51	–
	Reading ... *	9 9 9	148	65·9	46·5	56·2	+1·9	81	12	36	5, 6	55·6	53·9	·28	15	·13	3	7	2	–	–	–	–	–	0	5	–	7·04	–
	Finchampstead ...	9 9 9	212	64·6	42·4	53·5	–	82	12	31	5, 6	55·9	52·1	·60	–	·20	20	7	4	0	0	0	2	0	3	8	0	7·17	–
	Wokingham ...	9 9 9	200	65·1	43·0	54·1	–	80	12	31	6	55·9	52·0	·34	–	·13	3	4	4	0	0	0	4	0	4	–	0	–	–
	Hurley	9 9 9	140	65·1	43·6	54·3	–	81	12	31	6	56·5	–	·47	–	·21	21	6	4	0	0	0	2	0	2	4	0	7·42	–
Hampshire	Bournemouth ...	9 9 9	130	63·4	46·5	54·9	+1·2	75	12, 13	35	6	56·2	53·4	·67	35	·30	22	8	5	0	0	0	3	0	0	1	0	8·19	119
	Christchurch ...	9 9 9	9	64·4	45·6	55·0	–	77	13	33	6, 7	–	–	1·06	–	·66	22	8	5	0	0	0	3	0	0	5	0	–	–
	Ringwood ...	9 9 9	250	66·5	45·8	56·1	–	78	12, 13	35	4	57·7	52·9	·92	–	·27	12	11	9	0	0	0	3	0	0	5	0	–	–
	Everton (Efford)	9 9 9	51	64·0	46·4	55·2	–	78	13	35	6	–	–	·93	–	·39	22	8	6	0	0	0	3	0	0	5	0	–	–
	Southampton ¶§	9 9 9	65	67·3	47·4	57·3	+3·0	80	12	38	1	58·5	–	·68	33	·36	12	7	4	0	0	0	2	0	0	0	0	8·28	–
	Leckford...	9 9 9	385	64·0	44·9	54·5	–	77	12	36	1, 4, 6	54·5	–	·50	26	·20	20	8	4	0	0	0	3	0	0	0	0	8·00	119
	Winchester ...	9 9 9	124	66·4	44·1	55·3	–	80	12	30	6	–	50·3	·49	24	·18	3,20	6	4	0	0	0	3	0	2	1	0	–	–
	Martyr Worthy ...	9 9 9	275	65·4	44·7	55·1	–	80	12	32	2	–	–	·63	–	·21	3	6	4	0	0	0	3	0	2	1	0	7·38	–
	Southsea ...	9 9 9	7	63·9	50·3	57·1	+2·3	77	13	41	1	58·0	54·0	·25	14	·09	3	6	3	0	0	0	0	0	1	5	0	7·65	–
	Hayling Island ...	9 9 9	13	63·9	48·1	56·0	–	77	13	38	6	–	–	·34	–	·14	28	7	3	0	0	0	2	0	0	–	0	8·49	116
	Long Sutton ...	9 9 9	512	64·3	43·9	54·1	+1·6	78	12	30	2	55·7	–	1·20	57	·35	12	7	6	0	0	0	2	0	0	0	0	8·64	–
	Alice Holt Lodge	9 9 9	378	64·6	44·2	54·4	–	79	12	32	6	–	–	1·15	55	·42	12	8	6	0	0	0	2	3	1	7	0	7·05	108
	S. Farnborough ...	21–9 9	226	64·7	44·9	54·8	+1·5	80	12	32	6	–	–	·73	38	·32	3	6	3	0	0	0	3	0	3	5	0	7·06	–
	Blackbushe ...	21–9 9	325	64·9	45·2	55·1	–	80	12	33	6	–	–	·53	–	·26	3	6	4	0	0	0	1	0	0	4	0	7·15	110
I. of Wight	St. Catherine's Pt.	9 9 9	51	62·1	49·1	55·6	+3·4	76	13	41	2	–	–	·95	52	·29	22	7	5	0	0	0	2	0	0	–	0	–	–
	Ventnor Park ...	9 9 9	443	62·3	48·8	55·5	–	76	13	40	4	57·3	52·6	·79	41	·25	3	7	6	0	0	0	2	0	0	0	0	8·70	–
	Shanklin	9 9 9	180	61·8	47·0	54·4	–	74	13	39	4, 5	–	–	·68	–	·21	3	8	5	0	0	0	2	0	0	–	0	8·90	–
	Sandown ...	9 9 9	13	64·0	48·9	56·5	+2·6	79	13	40	2	–	–	·47	27	·15	3	7	4	0	0	0	1	0	0	–	–	8·69	116
	Ryde	9 9 9	15	63·4	49·4	56·4	+2·2	75	13	43	1, 2, 5	–	–	·26	15	·11	3	6	4	0	0	0	1	0	0	–	0	8·32	114
Wiltshire	Lacock (Lackham)	9 9 9	160	64·3	43·7	54·0	–	76	12	30	4, 6	–	–	1·58	–	·87	12	7	7	0	0	0	2	0	3	0	0	–	–
	West Lavington	9 9 9	305	65·0	42·8	53·9	–	78	12	30	6	–	–	1·59	70	·65	12	9	8	0	0	0	3	0	4	–	0	–	–
	Lyneham ...	21–9 9	457	63·7	45·5	54·6	–	75	12	33	4	–	–	2·76	126	2·05	12	8	7	0	0	0	4	1	0	3	0	7·45	–
	Larkhill	9 9 9	431	63·5	44·7	54·1	+2·2	78	12	35	1, 4	–	–	·99	52	·20	3	10	8	0	0	0	4	0	0	0	0	–	–
	Boscombe Down	21–9 9	414	64·0	46·1	55·1	–	78	12	35	4, 6	–	–	·85	46	·22	3	11	7	0	0	0	4	0	0	5	0	7·28	–
	Upavon	21–9 9	578	63·5	45·6	54·5	–	79	12	37	1, 4, 6	–	–	·85	–	·30	3	8	7	0	0	0	5	0	0	1	0	–	–
	Porton ... ¶§	9 9 9	362	63·5	44·2	53·9	+2·1	77	12	34	4	53·1	–	·91	48	·20	20,21	9	6	0	0	0	3	0	0	6	0	7·23	110
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	62·7	48·1	55·4	–	78	10	34	6	–	–	1·22	45	·54	10	7	7	–	0	–	–	0	0	2	–	8·18	–
	Silloth	21–9 9	25	63·0	44·9	53·9	–	73	10, 14, 24	33	5, 6	–	–	1·13	51	·26	12	9	7	0	0	0	5	0	0	3	0	7·16	–
	Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Newton Rigg ...	9 9 9	560	64·1	43·9	54·0	+3·9	76	24	31	6	–	–	1·34	63	·50	12	7	6	0	0	2	3	0	2	2	0	7·43	125
Westmorland	Ambleside ...	9 9 9	151	66·1	45·8	55·9	–	78	10, 24	30	5	–	–	1·80	47	·58	7	9	9	0	0	0	4	0	2	–	0	6·63	–
	Moor House ...	9 9 9	1840	56·9	36·3	46·6	–	69	11, 12	21	6	47·4	–	1·35	–	·44	7	8	6	1	0	2	0	4	7	12	0	7·00	–
Lancashire	Barrow-in-Furness	9 9 9	55	62·5	48·4	55·5	–	73	10, 13	36	5	–	–	2·63	–	1·94	10	6	5	0	0	1	2	0	0	–	0	–	–
	Squires Gate ...	21–9 9	33	63·3	46·2	54·7	–	75	10, 13	31	6	–	–	1·47	63	·52	10	9	7	0	0	0	4	0	1	3	0	8·37	–
	Urswick	9 9 9	130	65·7	45·7	55·7	–	76	14, 24	31	5	–	–	·85	–	·29	10	6	5	0	0	0	3	0	0	–	0	–	–
	Poulton-le-Fylde	9 9 9	38	63·7	46·3	55·0	–	76	10	31	5	–	–	1·22	–	·36	11	10	6	0	0	1	3	0	1	–	0	–	–
	Speke	21–9 9	80	64·1	48·3	56·2	–	74	10, 14, 24	36	6	–	–	1·14	–	·64	12	7	6	0	0	2	5	1	0	2	0	6·91	–
	Kirkham ...	9 9 9	77	64·4	45·6	55·0	–	75	10, 14	29	5	–	–	1·54	61	·47	11	10	6	0	0	1	3	0	1	3	0	7·83	–
	Garstang ...	9 9 9	68	63·5	45·6	54·5	–	74	10, 14	30	4	–	–	1·33	–	·41	11	8	6	0	0	0	3	0	2	3	0	7·28	–
	Morecambe ...	9 9 9	24	64·5	49·0	56·7	+4·3	78	10	37	5	–	–	2·02	78	1·04	10	11	6	0	0	0	1	0	0	–	0	7·71	114
	Preston (Moor Pk.)	9 9 9	108	64·3	47·1	55·7	–.	75	10	32	5	–	–	1·35	51	·49	11	10	6	0	0	0	3	0	1	3	0	–	–
	Bolton	9 9 9	352	63·9	45·3	54·6	+2·8	78	10	31	5	53·2	49·4	2·39	–	1·43	11	10	5	0	0	0	4	0	2	3	0	7·45	141

* Sunshine recordcr is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%	
7a	ENGLAND, N.W.—cont.																													
Lancashire—	Darwen	9 9 9	724	63·8	45·0	54·4	+3·9	76	13	33	5	53·8	–	2·15	65	1·30	11	8	6	0	0	0	3	0	0	2	0	–	–	
cont.	Stonyhurst ¶§	9 9 9	377	63·2	46·8	55·0	+3·8	74	10,14	34	5	–	–	2·49	89	1·37	11	7	6	0	0	1	4	0	0	2	0	7·66	127	
	Helmshore ...	9 9 9	854	61·5	45·4	53·5	–	72	10,11	33	5	53·1	–	1·41	–	·46	1	11	6	0	0	0	4	0	0	5	0	7·13	–	
	Burnley	9 9 9	458	63·6	44·9	54·3	+3·9	75	12	31	5	53·0	49·1	2·22	84	1·38	10	8	7	0	0	1	3	0	2	8	0	–	–	
	Nelson	9 9 9	540	62·0	44·8	53·4	–	74	11	32	5,6	53·2	48·1	1·30	48	·64	10	8	6	–	0	–	3	0	2	3	–	6·88	–	
	Rochdale ...	9 9 9	362	63·6	44·9	54·3	–	75	10	31	4,5,6	–	–	1·80	–	·48	7	7	6	0	0	3	3	0	3	3	0	7·10	–	
Cheshire	West Kirby Park	9 9 9	17	63·3	48·3	55·8	–	75	14	35	6	–	–	2·41	–	·63	1	7	6	0	0	1	4	–	0	0	0	7·91	–	
	Bidston Obs'y. ¶§	9 9 9	198	62·4	48·8	55·6	+3·5	73	13,14	40	6	–	–	1·97	87	·72	12	7	7	0	–	1	4	0	0	0	0	7·79	122	
	Wallasey ...	9 9 9	57																											
	Northwich(Winnington)	9 9 9	65	66·5	48·4	57·5	–	76	10,24	33	6	–	–	3·22	146	2·33	11	9	7	0	0	1	4	0	0	2	0	–	–	
	Manchester Airport ¶§	21-9 9	248	65·5	46·8	56·1	+5·2	78	10	33	5	–	–	1·18	53	·49	11	5	5	0	0	1	5	0	0	2	0	7·99	142	
	Macclesfield ...	9 9 9	500	63·6	46·6	55·1	+3·7	78	10	34	5,6	–	–	·99	39	·53	11	7	4	0	0	1	3	0	0	–	2	–	–	
7b	NORTH WALES																													
Flint	Rhyl	9 9 9	31	62·6	47·1	54·9	+2·9	74	13,14	33	5,6	–	–	1·94	91	·60	11	10	8	0	0	3	4	0	0	0	0	7·80	120	
	St. Asaph ...	9 9 9	75	64·3	45·8	55·1	–	76	14	32	5,6	–	–	1·41	–	·37	20	9	7	–	–	–	3	0	2	8	–	–	–	
	Prestatyn ...	9 9 9	12	63·0	46·6	54·8	–	74	13,14	35	6	–	–	1·20	54	·37	1	9	6	0	0	0	5	0	0	–	0	7·08	–	
	Hawarden Bridge	9 9 9	17	65·2	46·6	55·9	+3·5	74	11,14	31	6	–	–	1·59	75	·44	11	7	7	0	0	1	3	0	1	–	0	–	–	
Anglesey	Holyhead (Valley)	21-9 9	26	62·4	47·5	54·9	+3·6	73	15	35	5,6	–	–	1·74	77	·51	20	9	8	0	0	0	3	0	0	4	0	8·38	119	
Denbigh	Colwyn Bay ...	9 9 9	118	61·8	47·9	54·9	+2·9	74	13	36	6	–	–	1·66	79	·35	1	10	9	0	0	0	4	–	0	–	0	8·38	127	
	Alwen	9 9 9	1100	61·6	38·8	50·2	–	74	15	23	6	–	–	2·52	–	·64	21	11	8	–	–	–	–	5	6	–	–	–	–	
	Bwlchgwyn ...	9 9 9	1267	59·8	43·6	51·7	–	69	11,13,14	33	4,6	50·8	–	2·42	–	·80	20	12	9	0	0	1	3	2	0	5	0	–	–	
	Ruabon	9 9 9	312	63·8	45·4	54·6	–	72	13,14,24	30	6	–	–	1·94	–	·55	20	9	9	0	0	0	6	0	1	3	0	6·30	–	
	Wrexham ...	9 9 9	275	64·4	45·8	55·1	–	73	11,14	31	6	54·5	51·1	1·75	–	·56	11	10	9	0	0	0	4	0	1	4	0	–	–	
Caernarvon	Bryn Adda ...	9 9 9	275	62·1	47·7	54·9	–	73	14	35	6	–	–	1·42	–	·34	1	10	8	0	0	0	3	0	0	3	0	7·52	–	
	Aber	9 9 9	60	62·0	47·5	54·7	+2·8	71	10	35	6	–	–	1·66	63	·32	1,20	12	8	0	0	0	5	0	0	–	0	8·06	127	
	Llandudno ¶§	9 9 9	13	61·2	48·2	54·7	+2·6	70	10,14,22	34	5	–	–	1·37	66	·41	11	9	8	0	0	0	3	0	0	–	0	8·64	130	
Merioneth	Harlech	21-9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Blaenau Ffestiniog	9 9 9	750	62·3	47·5	54·9	–	74	13	35	4	–	–	1·83	–	·60	1	13	8	0	0	1	4	0	0	–	0	7·13	–	
	Corwen	9 9 9	473	63·5	40·5	52·0	–	75	14	27	6	–	–	2·10	–	·77	21	12	7	0	0	0	5	–	4	2	–	–	–	
Montgomery	Lake Vyrnwy ...	9 9 9	995	61·0	42·8	51·9	–	71	14	31	4,6,7	–	–	1·96	54	·55	20	11	9	0	0	0	4	0	3	4	0	–	–	
8a	SOUTH WALES																													
Cardigan	Aberporth ...	21-9 9	376	59·6	48·2	53·9	–	70	23	37	6	–	–	1·82	76	·54	9	11	9	0	0	0	1	1	0	1	0	8·23	–	
	Aberystwyth ...	9 9 9	12	61·7	48·4	55·1	–	72	23	36	4	–	–	1·09	–	·34	20	10	6	0	0	0	2	0	0	–	0	7·20	111	
	,, P.B.S.*	9 9 9	452	61·8	46·9	54·3	–	72	24	38	4,6	–	–	·88	–	·29	2	9	6	0	0	0	1	1	0	3	0	7·43	119	
	Gogerddan ...	9 9 9	103	63·6	45·0	54·3	–	74	24	30	4	–	–	·81	34	·30	2	6	6	0	0	0	3	0	2	2	0	7·42	–	
	Swyddffynnon ...	9 9 9	588	62·9	44·4	53·7	–	73	13,14	33	4	–	–	1·12	–	·37	1	11	6	0	0	0	1	0	0	2	0	–	–	
	Trawscoed ...	9 9 9	200	65·0	43·0	54·0	–	74	13,14,24	29	6	–	–	1·14	42	·33	1	9	8	0	0	0	0	1	4	4	0	7·32	–	
	Llety-evan-hen ...	9 9 9	950	61·2	47·0	54·1	–	71	14	35	4	–	–	1·07	–	·33	2	10	8	0	0	0	0	2	0	3	0	6·98	–	
Pembroke	Dale Fort ...	9 9 9	109	62·3	48·6	55·5	–	70	13,23,25	39	6	–	–	·69	–	·19	10	8	6	0	0	0	0	0	0	1	0	9·16	–	
	Brawdy	9 9 9	360	61·3	47·0	54·1	–	70	23	37	4,5,6	–	–	1·07	–	·25	2	9	8	0	0	0	1	1	0	0	0	8·20	–	
	Milford Haven ...	9 9 9	179	63·1	47·2	55·1	–	73	23	36	4	–	–	·72	–	·20	10	10	7	0	0	0	0	1	0	–	0	9·16	–	
	Haverfordwest ...	9 9 9	131	64·4	46·8	55·6	+4·1	74	13,24	32	4	–	–	1·00	37	·24	10	9	7	0	0	0	0	1	0	–	0	–	–	
Radnor	Llandrindod Wells ¶§	9 9 9	772	63·2	43·5	53·3	+2·6	72	12	30	6	–	–	2·45	90	·76	12	9	9	0	0	0	5	0	2	–	0	6·31	112	
Brecknock	Llwynon ...	9 9 9	860	62·5	43·2	52·9	–	72	12,13	33	4,6	–	–	1·96	–	·44	12	11	9	0	0	0	2	0	0	–	0	–	–	
Glamorgan	Mumbles Head ...	21-9 9	117	61·2	48·4	54·8	–	72	12	40	4	–	–	–	–	–	–	–	–	0	0	0	2	0	0	0	0	–	–	
	Swansea	9 9 9	27	63·4	49·9	56·7	+2·6	73	12,13,24	39	4	60·3	55·8	1·26	48	·17	9	10	10	0	0	0	0	0	0	0	0	7·88	127	
	Port Talbot ...	9 9 9	24	66·1	47·8	56·9	–	75	24	40	4,6	–	–	·83	–	·16	31	10	8	0	0	0	1	0	0	0	–	6·25	–	S
	Neath	9 9 9	153	63·9	48·7	56·3	–	76	12	38	4	–	–	1·03	–	·17	1	11	8	0	0	0	1	0	0	0	0	–	–	
	Rhoose	21-9 9	220	63·0	46·1	54·5	–	74	13	35	4	–	–	1·10	47	·29	9	9	6	0	0	0	3	0	0	1	0	7·38	–	
	Cardiff ... ¶§	9 9 9	202	64·5	47·5	56·0	+3·0	75	12,13	38	4	57·1	52·3	1·20	41	·25	9	11	9	0	–	0	6	0	0	1	1	6·75	106	
Monmouth	Tredegar ...	9 9 9	1028	62·0	43·9	52·9	–	71	13	32	4	–	–	1·91	–	·35	9	10	10	0	0	0	4	3	1	4	0	7·07	–	S
	Newport	9 9 9	75	65·1	47·3	56·2	–	76	12	37	2	–	–	1·69	64	·72	11	12	8	0	0	0	5	0	0	–	0	6·55	–	
	Usk	9 9 9	70	64·5	44·2	54·3	–	75	12	31	6	57·7	–	2·32	89	·77	11	10	8	0	0	0	3	0	2	4	0	6·60	–	
	Crumbland Plantation	9 9 9	804	62·0	44·7	53·3	–	73	12	35	4	54·8	51·4	2·31	–	1·28	12	10	8	0	0	0	3	4	0	2	0	7·31	–	
8b	ENGLAND, S.W.																													
Somerset	Hawkridge (Liscombe)	9 9 9	1030	60·2	43·2	51·7	–	70	13	36	1,5,6	–	–	1·52	–	·42	3	9	7	–	0	–	–	2	0	2	–	–	–	
	Bickenhall ...	9 9 9	231	64·0	43·5	53·7	–	74	13	32	5,6	55·6	51·3	·96	–	·22	21	9	8	0	0	0	5	–	2	4	0	7·61	–	
	Cannington . .	9 9 9	95	64·7	46·5	55·6	–	74	13	36	6	–	–	1·15	52	·59	9	9	9	0	0	0	2	0	0	0	0	7·29	–	
	Weston-s.-Mare ...	9 9 9	28	64·2	47·5	55·9	–	74	13	36	4	–	–	1·02	44	·30	11	9	8	0	0	0	4	0	0	0	0	7·44	120	
	Long Ashton ...	9 9 9	162	65·2	45·9	55·5	+2·5	74	13	33	4	56·2	–	1·68	66	·37	9	10	9	0	0	0	5	0	0	6	0	7·02	111	
	Bath ... ¶§	9 9 9	67	65·9	46·1	56·0	+2·3	79	12	32	4,6	58·3	53·5	2·08	91	1·21	12	9	8	0	0	1	4	0	2	3	1	7·35	119	
Dorset	Portland Bill ...	21-9 9	35	58·9	49·8	54·3	+2·3	72	13	42	6	–	–	·60	34	·21	9	9	6	–	–	–	–	–	0	–	–	–	–	
	Weymouth ...	9 9 9	16	64·1	48·5	56·3	+2·6	77	13	41	1,5,6	–	–	·83	43	·31	9	6	6	0	0	0	3	1	0	–	0	8·07	114	
	Shaftesbury ...	9 9 9	680	61·5	44·5	53·0	+1·5	77	13	35	5	–	–	1·88	88	·54	22	10	7	–	0	–	–	–	0	–	–	–	–	
	Swanage	9 9 9	37	60·7	47·6	54·1	–	76	12	39	1,2	–	53·3	·77	–	·19	9	8	6	0	–	0	2	0	0	0	0	7·93	–	
	Poole	9 9 9	18	65·9	45·1	55·5	–	81	12	35	1,2	–	–	1·24	–	·49	9	7	7	0	0	0	1	0	0	–	0	7·94	–	
Devon	Hartland Pt. ...	21-9 9	298	58·4	49·5	53·9	–	64	14,16,24	43	6	–	–	1·29	–	·26	21	12	8	0	0	0	1	2	0	0	0	7·98	–	
	Plymouth (Mt. Batten)	21-9 9	87	62·3	48·1	55·2	+2·3	73	23	38	5	–	–	·82	34	·33	9	6	6	0	0	0	1	0	0	1	0	9·10	135	
	Plymouth (The Hoe)	9 9 9	119	63·3	48·4	55·9	+2·1	73	23	39	5	57·0	53·6	·80	34	·30	9	8	6	0	0	0	0	0	0	0	0	8·76	129	
	Tavistock ...	9 9 9	457	64·5	46·2	55·3	+3·0	76	12	38	1,6	–	54·2	·86	–	·31	9	7	6	–	0	–	–	0	0	0	0	–	–	
	Chivenor ...	21-9 9	20	64·4	48·0	56·2	–	73	23	37	4	–	–	1·01	–	·24	3	9	7	0	0	0	0	0	0	0	0	8·54	–	
	Ilfracombe ...	9 9 9	25	60·8	50·5	55·7	+2·7	69	7	42	6	58·7	55·2	1·47	65	·45	31	10	8	0	0	0	0	0	0	–	0	8·87	132	
	Princetown ...	9 9 9	1359	59·4	44·4	51·9	–	70	14	35	5	–	–	1·91	39	·47	3	11	10	0	0	0	0	4	0	6	0	–	–	
	**Totnes	9 9 9	120	63·8	43·2	53·5	–	75	12,13	31	6	56·6	52·1	1·62	55	·47	9	8	7	0	0	0	1	0	2	6	0	7·38	–	
	†Newton Abbot ...	9 9 9	272	62·7	46·7	54·7	+2·0	74	13	40	3	–	–	1·46	58	·47	21	8	7	0	0	0	1	0	1	0	0	8·34	135	S
	Paignton... ...	9 9 9	8	62·4	47·8	55·1	–	73	12	38	2	–	–	1·30	52	·29	21	9	8	0	0	0	1	0	0	1	0	8·16	121	
	Torquay	9 9 9	26	61·9	48·3	55·1	+1·2	75	12	38	2	–	54·6	1·46	64	·45	9	9	8	0	0	0	1	3	0	0	0	8·43	122	
	Teignmouth ¶§	9 9 9	20	62·4	48·7	55·5	+1·7	74	12	40	6	–	–	1·49	66	·36	21	8	7	0	0	0	2	1	0	0	0	8·27	122	

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER MAY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b	ENGLAND, S.W.—cont.																												
Devon—cont.	Starcross... ...	9 9 9	29	62·2	45·9	54·1	–	73	12,13,23	36	6	–	–	1·35	–	·32	9	8	7	–	0	–	–	1	0	0	–	8·71	–
	Exmouth ...	9 9 9	195	61·4	46·2	53·8	+1·3	74	12	36	5,6	–	–	1·31	56	·39	11	8	7	0	0	0	3	1	0	–	0	8·47	132
	Exeter	21–9 9	106	64·0	45·5	54·7	–	76	13	36	5,6	–	–	1·14	52	·39	9	8	6	0	0	0	4	0	0	4	0	8·01	–
	Uffculme... ...	9 9 9	400	63·7	44·7	54·2	–	73	13	34	6	–	–	1·07	–	·19	21	9	8	–	0	–	–	1	0	–	–	8·11	–
	Sidmouth ...	9 9 9	25	62·7	46·9	54·8	+2·3	77	12	38	6	–	–	1·35	–	·34	11	7	7	–	0	–	–	0	0	0	–	8·03	–
Cornwall	St. Mary's, Scilly	21–9 9	158	60·0	49·9	54·9	+2·2	68	15	45	2	–	–	1·29	59	·84	9	8	4	0	0	0	0	1	0	–	0	8·52	118
	Penzance ...	9 9 9	62	62·5	48·3	55·4	+1·5	70	23,24	43	5,6,26	–	–	1·60	66	·92	9	9	5	0	0	0	0	0	0	–	0	8·77	130
	Gulval	9 9 9	50	62·9	48·3	55·6	+2·4	73	28	42	5,20	–	–	1·37	–	·83	9	7	5	0	0	0	0	1	0	–	0	8·95	131
	Camborne (Rosewarne	9 9 9	250	60·5	47·3	53·9	–	70	14,23	39	5,6	–	52·9	1·72	–	1·10	9	8	6	0	0	0	0	2	0	1	0	8·29	–
	Constantine ...	9 9 9	310																										
	Falmouth ¶§	9 9 9	167	60·6	48·5	54·5	+1·1	71	23	41	6	–	–	1·56	60	·81	9	8	6	0	0	0	0	0	0	0	0	8·53	125
	Newquay ...	9 9 9	176	60·9	47·9	54·4	+2·1	72	23	39	5,6	–	–	1·65	76	·95	21	9	7	0	–	0	0	–	0	–	0	8·23	122
	St. Mawgan ...	21–9 9	337	61·0	47·7	54·3	–	71	23	38	6	–	–	1·50	–	·44	21	8	7	0	0	0	0	2	0	0	0	8·85	–
	St. Austell ...	9 9 9	310	62·4	–	–	–	73	13,23	–	–	–	–	1·56	51	·48	21	10	7	0	–	0	0	2	–	–	0	–	–
	Fowey	9 9 9	51	62·7	48·3	55·5	+1·9	73	13,23	40	5,6	–	–	1·27	–	·49	9	7	5	0	0	0	0	2	0	–	0	–	–
	Bude	9 9 9	50	63·1	47·3	55·2	+3·0	72	23,24	36	5	–	–	1·14	54	·23	21	10	8	0	0	0	0	1	0	–	0	7·70	116
	Ellbridge ...	9 9 9	190	64·1	46·1	55·1	–	75	13	38	1,6	–	–	1·10	–	·35	21	7	6	0	0	0	0	0	0	0	0	8·39	–
	NORTHERN IRELAND																												
Londonderry	Ballykelly ¶§	21–9 9	3	62·4	44·8	53·6	+2·7	75	16	30	5,6	–	–	1·00	46	·22	31	10	5	0	0	4	3	0	2	2	0	7·64	120
	Garvagh ¶	9 9 9	121	63·2	42·9	53·1	+2·8	75	24	29	5	53·9	–	1·72	62	·36	31	11	8	0	0	2	3	0	2	8	0	–	–
Antrim	Aldergrove ¶§	21–9 9	217	62·0	44·6	53·3	+3·0	73	25,26	27	5	–	–	·96	39	·21	10	9	6	0	0	0	2	0	2	3	0	7·43	119
	Nutts Corner ...	21–9 9	338	62·4	43·8	53·1	–	74	26	28	5	–	–	1·13	–	·23	10,31	10	7	0	0	2	1	0	2	2	0	–	–
	Parkmore Forest	9 9 9	779																										
Down	Hillsborough §	9 9 9	388	61·7	44·5	53·1	–	72	25,26	30	5	53·6	–	1·31	52	·28	9	9	8	0	0	0	2	0	1	2	0	6·63	110
	Kilkeel	21–9 9	59	60·3	46·9	53·6	–	69	12,24,27	35	5	–	–	1·58	–	·53	20	8	8	0	0	1	1	0	0	0	0	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	62·5	45·5	54·0	–	72	25,26	33	5	–	–	1·39	–	·56	9	10	7	0	0	0	2	–	0	–	0	–	–
Armagh	Armagh ... ¶§	9 9 9	205	64·1	44·0	54·1	+2·9	75	15,25,26	31	5	57·2	52·9	1·32	56	·29	10	9	8	0	0	1	2	0	1	2	0	7·39	130
	Loughgall ...	9 9 9	91	63·2	42·7	52·9	–	73	15,25,26	29	5	–	–	1·37	–	·33	10	11	9	0	0	1	1	–	3	8	0	7·20	–
Fermanagh	Ely Lodge ...	9 9 9	200	63·3	43·8	53·5	–	76	24	30	5	55·9	50·3	1·95	–	·42	10	10	8	0	0	2	3	0	2	4	0	–	–
	CHANNEL ISLES																												
Guernsey	States Airport ...	9 9 9	340	59·5	48·7	54·1	–	71	13	44	4	55·9	53·5	1·09	53	·43	20	8	6	0	0	0	0	4	0	0	0	8·01	–
Alderney	States Airport ...	9 9 9	288	58·3	47·7	53·0	–	67	7,9	43	4,5	54·9	–	·53	–	·13	3	7	5	0	0	0	0	4	0	–	2	7·24	–
Jersey	Jersey Airport ...	9 9 9	273	61·3	49·3	55·3	–	72	14	45	1,5,28	–	–	1·74	95	·67	20	10	6	0	0	0	2	1	0	0	0	7·98	–
	St. Helier ...	9 9 9	28	62·9	51·2	57·1	–	74	7	46	1,4	–	–	1·67	99	·69	20	10	7	0	–	0	4	0	0	–	0	8·03	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	Mean Pressure: At Mean Sea Level	Mean Pressure: Difference from Average	Mean Temperature and Humidity: Dry Bulb	Mean Temperature and Humidity: Depression of Wet Bulb	Mean Temperature and Humidity: Vapour Pressure	Mean Temperature and Humidity: Relative Humidity	Cloud Amount (Oktas): Mean Amount	Cloud Amount (Oktas): No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
0 SCOTLAND, N.															
Zetland — Lerwick Observatory H	3	272	1020·4	–	43·7	1·2	8·8	90	5·8	1	4	4	12	8	2
	9	272	1020·6	+6·3	47·9	2·5	9·3	82	6·3	2	1	3	16	7	2
	15	272	1020·6	–	49·5	3·1	9·4	79	6·0	0	5	3	14	9	0
	21	272	1020·7	–	45·2	1·4	9·2	89	6·3	1	2	3	15	9	1
Orkney — Grimsetter.. H	3	94	1020·5	–	45·2	0·9	9·5	91	6·5	0	3	4	7	15	2
	9	94	1020·9	–	49·0	2·2	9·9	83	6·9	0	3	0	14	13	1
	15	94	1020·7	–	52·0	3·6	10·0	76	5·7	0	4	7	14	6	0
	21	94	1020·9	–	46·6	1·4	9·6	88	6·5	0	5	2	7	16	1
Caithness — Wick .. H	3	121	1020·9	–	45·6	1·2	9·5	89	6·8	0	2	2	12	13	2
	9	121	1021·3	+7·0	49·3	2·3	9·9	82	6·8	0	1	4	12	12	2
	15	121	1021·1	–	51·8	3·2	10·3	78	5·9	0	3	5	18	4	1
	21	121	1021·4	–	46·9	1·7	9·6	87	6·4	0	2	4	14	9	2
Sutherland — Cape Wrath ..	3	371	1019·6	–	47·0	0·9	10·3	93	5·9	2	4	3	8	8	6
	9	371	1020·1	–	48·8	1·1	10·9	92	5·9	1	2	8	10	6	4
	15	371	1020·0	–	50·9	1·5	11·6	90	5·3	3	2	10	7	6	3
	21	371	1019·8	–	48·6	1·3	10·7	91	6·1	0	3	6	10	8	4
Ross & Cromarty — Stornoway H	3	16	1020·2	–	46·2	1·3	9·7	90	4·5	1	10	6	7	5	2
	9	16	1020·7	+6·8	51·6	3·0	10·5	80	5·4	1	6	3	15	6	0
	15	16	1020·5	–	54·5	4·0	10·9	75	4·7	0	9	7	12	3	0
	21	16	1020·5	–	49·2	2·1	10·3	85	4·5	1	10	7	6	7	0
Inverness — Benbecula.. H	3	21	1020·0	–	47·8	1·7	10·0	87	4·5	3	8	4	11	5	0
	9	21	1020·4	–	53·9	4·0	10·5	73	5·0	1	4	8	14	4	0
	15	21	1020·1	–	57·3	5·5	11·0	68	4·8	2	7	5	15	2	0
	21	21	1020·1	–	50·8	2·7	10·4	81	4·8	0	9	5	12	5	0
1 SCOTLAND, E.															
Moray — Kinloss .. H	3	19	1020·5	–	45·8	1·3	9·5	89	6·5	0	1	6	14	9	1
	9	19	1020·8	–	52·2	3·1	10·6	79	6·5	0	4	0	18	9	0
	15	19	1020·1	–	56·3	4·8	11·0	71	5·7	0	5	4	18	4	0
	21	19	1020·6	–	49·2	2·4	9·9	82	5·9	0	5	3	15	7	1
Aberdeen — Dyce .. H	3	190	1021·5	–	44·4	1·1	9·1	91	6·2	0	2	6	14	7	2
	9	190	1021·7	+6·9	50·9	3·1	10·0	78	6·0	1	3	4	16	7	0
	15	190	1021·3	–	54·1	4·3	10·5	73	5·4	0	7	4	16	4	0
	21	190	1021·6	–	47·7	2·0	9·7	85	5·9	0	3	7	13	6	2
Rattray Head ..	3	108	1020·6	–	44·9	1·5	8·9	88	6·2	0	5	3	12	6	5
	9	108	1020·9	–	48·5	2·3	9·7	83	5·6	0	3	9	12	5	2
	15	108	1020·8	–	50·2	2·8	9·9	80	5·4	0	4	8	15	3	1
	21	108	1020·8	–	46·8	1·6	9·5	86	5·9	0	2	7	17	3	2
Fife — Leuchars .. H	3	36	1020·7	–	45·7	1·7	9·3	87	5·1	4	5	6	4	12	0
	9	36	1021·3	+6·5	51·2	3·8	9·6	74	5·9	0	4	6	12	9	0
	15	36	1020·4	–	55·4	5·8	9·8	65	5·7	0	4	7	16	4	0
	21	36	1020·7	–	49·5	2·7	9·8	81	6·1	0	5	4	12	9	1
Midlothian — Turnhouse H	3	114	1021·0	–	45·1	1·0	9·4	91	5·6	1	6	3	10	11	0
	9	114	1021·4	–	51·6	3·2	10·2	78	6·1	0	4	3	18	6	0
	15	114	1020·4	–	56·5	5·4	10·6	68	5·3	0	7	6	13	5	0
	21	114	1020·9	–	49·5	2·1	10·3	85	6·1	0	4	5	13	9	0
6a SCOTLAND, W.															
Argyll — Tiree .. H	3	34	1020·1	–	48·2	1·5	10·3	88	4·7	1	8	6	12	3	1
	9	34	1020·6	+6·6	54·1	3·9	10·8	74	4·8	3	4	7	14	3	0
	15	34	1020·1	–	56·9	5·4	10·8	67	4·3	1	10	7	11	2	0
	21	34	1020·0	–	50·5	2·0	10·8	85	4·7	0	8	11	7	5	0
Rhuvaal H	3	122	1019·9	–	50·1	2·6	10·1	81	4·1	0	11	10	7	3	0
	9	122	1020·4	–	53·9	3·8	10·9	76	4·3	1	7	12	9	2	0
	15	122	1019·9	–	56·7	5·0	11·1	70	4·1	0	9	13	5	4	0
	21	122	1019·8	–	52·9	3·2	11·0	80	4·8	0	7	10	8	6	0
Renfrew — Renfrew .. H	3	29	1020·9	–	47·3	1·9	9·7	86	5·8	2	2	5	16	6	0
	9	29	1021·2	+6·3	53·4	4·4	10·0	71	5·0	1	5	10	11	4	0
	15	29	1019·8	–	62·7	8·5	10·8	55	5·1	0	5	10	14	2	0
	21	29	1020·3	–	53·2	4·0	10·3	74	5·7	0	5	6	12	8	0
Ayr — Prestwick Airport H	3	33	1020·3	–	48·7	2·3	9·8	83	4·6	2	8	6	10	5	0
	9	33	1020·6	–	53·3	2·9	10·5	70	5·2	1	2	9	18	1	0
	15	33	1019·5	–	61·6	7·6	11·1	59	5·4	0	4	7	18	2	0
	21	33	1019·8	–	54·6	3·9	11·2	75	5·3	0	6	9	9	7	0
Dumfries — Eskdalemuir H	9	778	1020·4	+5·7	53·3	4·7	9·8	71	5·2	0	4	11	10	6	0
	15	778	1019·1	–	59·1	6·8	10·5	61	5·8	0	2	8	18	3	0
	21	778	1020·2	–	49·1	2·4	10·0	82	5·3	0	7	7	10	7	0
Wigtown — Mull of Galloway H	3	260	1020·1	–	48·9	1·4	10·6	90	5·0	0	7	9	7	8	0
	9	260	1020·5	–	53·1	2·4	11·7	84	5·6	0	5	8	12	6	0
	15	260	1019·7	–	57·9	4·3	12·4	75	5·2	0	5	8	14	4	0
	21	260	1019·7	–	52·5	2·6	11·3	84	5·7	0	5	7	10	9	0
6b ISLE OF MAN															
Isle of Man — Point of Ayre ..	3	31	1019·8	–	49·2	1·4	10·9	91	4·3	0	10	8	11	2	0
	9	31	1020·4	–	53·7	2·7	11·7	82	5·3	2	3	10	11	5	0
	15	31	1019·8	–	58·6	4·3	12·6	74	4·8	0	10	5	13	3	0
	21	31	1019·5	–	52·0	2·2	11·4	85	5·0	0	7	6	15	3	0
Ronaldsway H	3	68	1020·0	–	49·3	1·9	10·5	87	4·4	1	10	6	9	5	0
	9	68	1020·3	–	54·9	4·0	11·0	75	5·0	0	5	9	17	0	0
	15	68	1019·8	–	59·0	6·5	10·7	63	4·3	1	8	11	6	5	0
	21	68	1019·8	–	52·7	3·1	10·8	79	4·9	0	10	4	9	8	0
2 ENGLAND, N.E.															
Northumberland — Acklington H	3	142	1020·8	–	43·9	1·2	8·9	90	4·8	3	6	5	9	7	1
	9	142	1021·1	–	52·5	3·7	10·3	76	5·5	0	5	8	9	8	1
	15	142	1020·7	–	54·5	4·4	10·5	72	5·6	0	2	10	12	7	0
	21	142	1020·7	–	47·3	1·6	9·7	87	5·6	0	4	8	11	7	1

DISTRICT, COUNTY AND PLACE	Visibility: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	Wind, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND, N.																												
Zetland — Lerwick Observatory H	0	1	1	0	0	1	4	5	10	9	0	2	6	18	5	0	1	6	18	5	6	1	2	4	2	2	4	5
	0	2	0	0	0	3	3	2	8	13	0	1	17	11	2	0	2	10	13	6	3	9	2	2	5	1	4	3
	0	1	0	0	1	1	0	7	8	14	0	3	15	12	1	0	2	10	13	6	3	8	0	2	6	4	3	2
	0	0	1	1	1	1	2	5	10	9	0	2	10	13	6	0	2	10	13	6	3	5	4	2	5	1	4	3
Orkney — Grimsetter.. H	0	1	0	0	0	3	7	5	6	8	0	0	12	14	5	0	0	12	14	5	5	4	0	2	4	2	4	5
	0	1	0	0	0	2	6	3	11	8	0	2	17	10	2	0	2	17	10	2	5	3	3	5	7	6	7	1
	0	0	0	0	0	2	6	3	10	10	0	3	15	13	0	0	3	15	13	0	3	0	2	1	3	0	2	1
	0	1	0	0	1	1	2	6	8	10	0	1	10	18	2	0	2	10	18	2	3	2	1	4	3	2	4	5
Caithness — Wick .. H	0	0	0	1	1	1	2	7	10	6	0	0	7	21	3	0	0	7	21	3	3	1	3	4	4	7	5	2
	0	1	0	1	1	2	0	7	3	9	0	2	12	17	0	0	2	12	17	0	2	3	4	9	8	6	1	2
	0	0	1	1	1	0	0	7	4	9	0	1	14	16	0	0	1	14	16	0	3	0	4	9	8	6	1	3
	0	0	1	1	0	0	0	7	3	9	0	2	10	17	2	0	2	10	17	2	5	0	2	9	4	3	1	3
Sutherland — Cape Wrath ..	0	0	0	0	0	1	3	3	1	21	0	3	7	19	2	0	3	7	19	2	5	3	1	1	4	2	4	3
	0	0	0	0	0	0	4	5	1	16	0	1	9	19	2	0	1	9	19	2	5	1	2	3	4	2	5	4
	0	0	0	0	0	0	4	9	10	6	0	0	9	17	2	0	0	9	17	2	5	1	2	5	3	2	5	4
	0	0	0	0	0	1	8	9	11	6	0	2	10	17	2	0	2	10	17	2	5	0	2	9	4	3	5	4
Ross & Cromarty — Stornoway H	0	0	0	1	1	0	1	8	9	11	0	2	10	17	2	0	2	10	17	2	5	0	2	9	4	3	5	4
	0	0	0	1	0	0	0	7	6	16	0	1	22	8	1	0	1	22	8	1	0	2	5	11	6	2	4	2
	0	0	0	0	0	0	0	8	7	9	0	2	13	16	0	0	2	13	16	0	1	2	3	9	6	2	4	1
Inverness — Benbecula.. H	0	0	0	0	0	0	0	8	6	14	0	1	7	22	1	0	1	7	22	1	0	3	2	9	4	2	4	1
	0	0	0	0	0	0	2	3	11	15	0	1	12	18	0	0	1	12	18	0	0	2	5	3	4	2	5	3
	0	0	0	0	0	0	2	4	7	18	0	3	15	13	0	0	3	15	13	0	0	2	5	3	4	1	2	2
	0	0	0	0	0	0	1	3	7	19	0	2	10	18	1	0	2	10	18	1	5	5	9	5	2	2	4	1
1 SCOTLAND, E.																												
Moray — Kinloss .. H	0	0	0	2	2	2	6	7	6	6	0	0	3	25	3	0	0	3	25	3	0	2	6	1	8	4	5	2
	0	0	0	0	0	1	8	4	7	11	0	0	12	19	0	0	0	12	19	0	0	2	3	5	2	1	6	1
	0	0	0	1	0	0	2	7	8	12	0	0	17	14	0	0	0	17	14	0	0	4	8	6	2	1	5	1
	0	0	0	0	0	0	3	7	8	9	0	0	8	21	2	0	0	8	21	2	1	3	13	2	4	1	8	2
Aberdeen — Dyce .. H	0	0	0	2	0	3	10	9	6	0	0	0	3	15	13	0	0	3	15	13	2	0	3	4	2	1	2	1
	0	0	0	0	0	0	3	10	9	7	2	0	1	4	23	3	0	1	4	23	3	8	1	4	2	3	5	3
	0	0	0	0	0	0	0	10	14	6	1	0	0	3	15	13	0	0	3	15	13	1	2	2	1	1	2	1
	0	0	0	0	0	0	4	9	12	4	0	0	0	3	15	13	0	0	3	15	13	4	6	2	2	1	3	1
Rattray Head ..	0	0	0	0	0	0	3	12	12	0	0	2	10	17	2	0	2	10	17	2	6	6	2	2	4	2	5	3
	0	0	0	0	0	0	3	12	14	0	1	1	9	18	2	0	1	9	18	2	6	4	2	2	5	5	5	3
	0	0	0	0	0	0	1	0	10	19	0	2	12	16	1	0	2	12	16	1	7	4	2	1	5	6	4	3
	0	0	0	0	0	0	1	2	11	15	0	0	1	10	19	1	0	1	10	19	7	1	1	1	6	4	5	3
Fife — Leuchars .. H	0	0	0	1	1	2	7	8	6	5	0	0	3	13	15	0	0	3	13	15	7	0	7	1	2	1	3	2
	0	0	0	0	0	1	0	14	4	7	5	0	0	7	20	4	0	0	7	20	4	0	6	7	3	2	4	2
	0	0	0	0	0	0	1	5	9	10	6	0	0	8	23	0	0	0	8	23	0	2	7	12	3	1	4	2
	0	0	0	0	0	0	1	2	7	7	8	4	0	0	7	22	2	0	0	7	22	2	7	9	3	1	4	3
Midlothian — Turnhouse H	0	0	0	0	1	4	12	9	3	1	0	0	6	16	9	0	0	6	16	9	0	1	6	8	3	1	3	1
	0	0	0	0	0	0	8	9	3	2	0	0	7	21	3	0	0	7	21	3	1	10	8	3	1	0	3	1
	0	0	0	0	0	2	11	10	7	1	0	0	16	14	1	0	0	16	14	1	1	0	15	3	2	1	7	2
	0	0	0	0	0	5	15	7	1	0	0	1	6	23	1	0	1	6	23	1	0	11	9	4	1	1	7	0
6a SCOTLAND, W.																												
Argyll — Tiree .. H	0	0	1	0	0	1	4	5	10	10	0	0	9	15	7	0	0	9	15	7	6	0	3	4	5	2	4	3
	0	0	0	0	0	0	5	6	6	14	0	0	12	14	7	5	0	0	12	14	7	5	0	1	3	4	5	2
	0	0	0	0	0	0	4	5	4	18	0	0	15	14	2	14	0	0	15	14	2	14	0	1	4	4	2	1
	0	0	0	0	0	0	0	6	5	13	0	1	9	17	4	10	0	1	9	17	4	10	3	1	4	1	2	3
Rhuvaal H	0	0	0	0	0	0	4	4	5	18	0	1	3	24	3	0	1	3	24	3	0	3	2	1	1	2	1	2
	0	0	0	0	0	0	1	5	12	13	0	1	5	21	5	3	0	1	5	21	5	3	2	3	1	1	2	3
	0	0	0	0	0	0	2	6	6	17	0	1	4	21	5	3	0	1	4	21	5	3	1	2	1	1	2	3
	0	0	0	0	0	0	0	5	3	17	0	1	4	22	5	3	0	1	4	22	5	3	1	5	3	1	2	3
Renfrew — Renfrew .. H	0	0	0	0	0	0	3	12	10	4	2	0	0	4	17	10	0	0	4	17	10	2	0	5	8	4	3	3
	0	0	0	0	0	0	8	12	6	3	2	0	0	6	21	4	0	0	6	21	4	0	3	12	6	2	3	2
	0	0	0	0	0	0	1	9	6	9	6	0	1	15	14	1	2	0	1	15	14	1	0	7	4	9	15	2
	0	0	0	0	0	0	0	9	6	9	3	0	0	11	18	2	0	0	11	18	2	0	2	1	4	5	7	3
Ayr — Prestwick Airport H	0	0	0	0	0	0	3	8	7	11	2	0	0	7	19	5	0	0	7	19	5	3	10	3	1	2	2	2
	0	0	0	0	0	0	2	6	10	7	6	0	1	9	21	0	0	1	9	21	0	3	1	4	3	3	5	2
	0	0	0	0	0	0	1	4	9	8	9	0	0	11	16	3	0	0	11	16	3	1	4	4	3	1	7	2
	0	0	0	0	0	0	0	3	13	3	5	0	1	6	22	3	0	1	6	22	3	2	4	7	3	1	6	2
Dumfries — Eskdalemuir H	0	0	0	0	0	0	6	6	9	10	0	0	8	16	7	0	0	8	16	7	2	0	7	7	1	1	2	2
	0	0	0	0	0	0	2	4	9	13	0	0	8	22	7	0	0	8	22	7	3	0	6	11	0	1	2	2
	0	0	0	0	0	0	1	4	6	12	3	0	0	5	19	7	0	0	5	19	7	0	4	9	2	3	5	2
Wigtown — Mull of Galloway H	0	0	0	0	0	0	2	4	8	15	1	0	3	15	12	1	0	3	15	12	1	3	12	15	1	1	5	2
	0	0	0	0	0	0	2	4	21	4	0	0	2	24	3	0	0	2	24	3	0	3	1	9	4	2	4	2
	0	0	0	0	0	0	3	4	23	1	0	0	3	15	1	0	0	3	15	1	0	1	4	14	2	3	7	2
	0	0	0	0	0	0	0	9	20	2	0	0	2	17	0	0	0	2	17	0	0	3	1	8	2	0	4	2
6b ISLE OF MAN																												
Isle of Man — Point of Ayre ..	0	0	0	0	0	0	0	2	7	17	5	0	1	9	17	4	0	1	9	17	4	0	7	7	2	2	3	2
	0	0	0	0	0	0	2	2	9	15	3	0	0	7	24	0	0	0	7	24	0	1	10	9	4	2	4	3
	0	0	0	0	0	0	2	2	9	17	3	0	1	8	22	0	0	1	8	22	0	1	8	4	2	3	5	2
	0	0	0	0	0	0	0	3	10	15	3	0	0	8	17	6	0	0	8	17	6	0	4	1	0	3	1	1
Ronaldsway H	0	0	0	0	0	1	10	7	8	5	0	1	8	17	6	7	0	1	8	17	6	7	5	6	0	3	4	3
	0	0	0	0	0	1	10	7	8	5	0	1	11	18	1	0	1	11	18	1	0	4	1	4	3	1	5	3
	0	0	0	0	0	1	10	8	6	6	0	1	13	18	1	0	1	13	18	1	0	1	12	4	0	1	3	2
	0	0	0	0	0	1	0	6	12	4	8	0	0	7	13	11	0	0	7	13	11	6	2	4	0	1	0	2
2 ENGLAND, N.E.																												
Northumberland — Acklington H	0	0	2	0	3	4	5	10	7	0	0	0	4	20	7	8	1	0	1	0	3	2	0	5	1	0	2	1
	0	0	0	1	0	0	1	9	3	6

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	MEAN TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	MEAN TEMPERATURE AND HUMIDITY: Vapour Pressure	MEAN TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
2 ENGLAND, N.E.—*cont.*																																													
Northumberland—*cont.*	Tynemouth	H	3	130	1020·9	–	47·1	2·0	9·4	85	5·0	4	3	9	7	5	3	1	1	1	1	0	4	7	16	0	0	0	0	9	15	7	10	1	1	0	3	0	8	1
			9	130	1021·4	+6·2	51·2	3·2	9·9	78	4·8	3	6	8	5	9	0	0	0	0	0	2	6	8	15	0	0	0	1	9	19	2	11	6	2	0	0	2	4	0
			15	130	1020·9	–	52·7	3·9	10·2	75	5·4	0	5	9	10	7	0	0	0	0	0	0	1	8	22	0	0	0	1	11	18	1	8	6	5	5	1	0	5	0
			21	130	1020·7	–	49·6	2·4	10·0	83	6·0	0	3	7	9	12	0	0	0	0	0	0	3	11	17	0	0	0	0	6	20	5	7	6	1	3	3	0	5	1
Durham	Middleton St. George	H	3	118	1020·2	–	45·5	1·3	9·4	90	5·1	2	6	6	11	4	2	0	1	1	1	1	8	12	5	2	0	0	0	3	21	7	10	4	0	0	1	5	2	2
			9	118	1021·1	–	53·5	4·2	10·2	72	5·5	2	3	8	8	9	1	0	0	0	3	1	9	7	7	3	1	0	0	2	18	4	6	10	1	0	2	3	2	3
			15	118	1020·2	–	58·5	7·0	10·2	61	5·5	0	5	8	13	5	0	0	0	0	0	3	7	10	5	3	3	0	0	21	10	0	5	15	2	1	2	1	5	0
			21	118	1020·7	–	50·1	2·7	10·0	81	5·7	1	3	10	8	9	0	0	0	4	2	6	11	8	0	0	0	0	4	26	1	12	9	0	2	2	2	3	0	5
Yorks., N. Riding	Dishforth	H	3	131	1020·6	–	46·1	1·4	9·6	89	5·3	1	3	9	11	6	1	0	1	0	1	5	5	8	8	3	0	0	0	4	26	1	12	1	3	3	1	2	3	5
			9	131	1020·9	–	54·2	4·2	10·5	73	5·7	0	6	5	12	8	0	0	0	0	1	4	2	7	9	4	4	0	0	11	19	1	15	4	1	1	2	2	3	1
			15	131	1019·7	–	62·3	8·4	10·6	55	5·6	0	2	8	18	3	0	0	0	0	0	0	6	6	6	9	10	0	0	15	16	0	11	1	6	4	2	0	6	1
			21	131	1020·4	–	51·1	2·7	10·5	81	5·4	0	4	11	11	5	0	0	0	0	0	1	5	8	7	9	1	0	0	5	25	1	11	2	3	4	2	1	4	3
Yorks., E. Riding	Driffield ..	H	3	69	1020·6	–	45·1	1·2	9·4	90	4·9	4	5	5	6	11	0	0	0	0	0	1	9	6	10	5	0	0	0	5	18	8	9	4	1	0	1	0	5	3
			9	69	1020·9	–	53·6	3·8	10·6	75	4·7	2	7	6	11	5	0	0	0	0	0	1	1	10	9	5	5	0	0	1	11	4	10	4	4	1	1	1	4	3
			15	69	1020·1	–	57·5	6·1	10·4	64	4·9	1	5	10	12	3	0	0	0	0	0	0	1	6	10	6	8	0	0	16	15	0	7	5	14	0	0	1	1	4	0
			21	69	1020·6	–	48·8	2·2	10·0	85	5·4	0	5	7	13	6	0	0	0	0	0	0	7	7	15	1	1	0	0	5	21	5	8	4	7	2	0	1	3	1
			3	54	1020·3	–	48·5	1·5	10·4	89	4·3	9	5	0	10	6	1	0	0	0	1	1	2	18	9	0	0	0	0	14	14	3	6	6	0	5	2	1	5	3
	Spurn Head	H	9	54	1020·7	+5·5	51·3	2·2	10·9	84	5·1	1	5	9	10	5	1	0	0	1	0	0	5	16	9	0	0	0	0	15	14	2	12	3	4	2	0	2	1	1
			15	54	1020·3	–	54·1	3·4	11·2	78	4·5	1	5	14	7	4	0	0	0	0	0	0	4	14	13	0	0	0	1	20	10	0	13	4	9	0	2	1	1	1
			21	54	1020·1	–	50·3	1·6	11·0	89	5·0	1	4	13	6	6	1	0	0	1	0	0	4	18	8	0	0	0	0	16	15	0	10	5	5	4	1	1	3	2
Lincoln	Waddington	H	3	227	1020·3	–	45·9	1·3	9·6	90	4·6	5	6	5	4	10	1	0	0	1	0	1	6	11	9	3	0	0	0	5	24	2	11	4	1	3	3	3	2	1
			9	227	1020·6	–	54·5	4·0	11·0	76	5·4	1	5	8	9	8	0	0	0	0	0	0	2	12	9	7	1	0	0	13	17	1	12	5	1	2	2	3	4	1
			15	227	1019·5	–	60·3	6·8	11·0	61	5·7	0	5	5	16	5	0	0	0	0	0	0	0	2	13	12	4	0	0	16	15	0	6	9	6	3	1	4	2	0
			21	227	1020·2	–	50·1	2·4	10·4	83	5·3	0	7	6	13	5	0	0	0	0	0	1	2	11	9	7	1	0	0	5	26	0	5	11	5	3	1	2	4	0
	Manby	H	3	47	1020·2	–	45·7	1·0	9·6	92	5·1	2	5	7	9	8	0	0	1	0	1	4	4	9	10	2	0	0	0	6	21	4	7	6	1	0	4	2	4	3
			9	47	1020·6	–	54·2	3·6	11·2	77	5·4	1	5	8	10	7	0	0	0	0	0	0	2	10	13	5	1	0	0	17	13	1	7	6	4	3	1	3	4	1
			15	47	1020·3	–	57·2	5·0	11·2	70	5·2	1	3	12	12	3	0	0	0	0	0	0	0	6	10	12	3	0	0	11	17	1	12	5	1	2	2	3	4	1
			21	47	1020·2	–	48·4	1·5	10·5	89	5·4	0	5	6	13	7	0	0	0	0	0	1	3	10	13	4	0	0	0	6	13	4	8	6	1	4	2	2	3	1
3 ENGLAND, E.																																													
Norfolk	Marham	H	3	89	1019·7	–	46·3	1·2	9·8	91	4·5	7	4	4	8	8	0	0	0	0	0	1	0	11	18	1	0	0	0	9	17	5	7	5	4	4	1	1	2	2
			9	89	1020·1	–	55·3	4·2	11·0	74	5·2	1	5	9	7	9	0	0	0	0	0	0	0	9	12	9	1	0	0	16	14	1	9	7	5	0	3	2	3	1
			15	89	1019·4	–	60·2	7·9	10·4	59	5·8	0	4	7	13	7	0	0	0	0	0	0	0	4	13	6	8	0	1	20	10	0	10	6	5	3	0	5	2	1
			21	89	1019·7	–	50·9	2·6	10·6	82	4·5	2	8	7	10	4	0	0	0	0	0	0	1	7	9	12	2	0	0	10	20	1	8	11	4	3	1	1	4	1
	West Raynham	H	3	263	1019·6	–	46·1	1·5	9·7	89	4·5	7	4	4	8	7	1	0	1	0	0	0	0	1	12	14	3	0	0	0	7	20	4	4	8	4	3	3	1	1
			9	263	1020·0	–	53·9	4·1	10·7	74	5·1	3	5	6	10	7	0	0	0	0	0	1	0	8	13	4	5	0	0	13	17	1	9	4	6	2	3	1	3	2
			15	263	1019·2	–	58·7	7·0	10·3	61	5·5	1	4	8	13	5	0	0	0	0	0	0	0	2	13	10	6	0	1	16	14	0	5	10	5	4	2	1	3	1
			21	263	1019·7	–	49·0	2·2	10·2	84	4·6	1	10	5	9	6	0	0	0	0	0	0	1	0	7	19	4	0	0	0	5	24	2	6	11	3	3	2	2	2	0
	Gorleston		3	26	1019·4	–	48·3	1·4	10·5	90	3·3	12	2	5	10	2	0	0	0	0	0	0	1	13	17	0	0	0	1	8	22	0	9	5	7	1	3	1	4	1
			9	26	1020·0	+4·6	52·5	2·8	11·0	81	5·2	3	6	3	10	9	0	0	0	0	0	0	0	17	14	0	0	0	0	12	19	0	5	2	7	4	2	1	3	3
			15	26	1019·6	–	53·6	3·5	10·8	77	4·6	3	4	12	5	7	0	0	0	0	0	0	0	14	17	0	0	0	0	17	14	0	9	7	3	6	3	1	1	1
			21	26	1019·5	–	51·1	2·4	10·8	84	4·3	5	5	10	3	7	1	0	0	1	0	0	0	16	14	0	0	0	0	9	22	8	9	10	1	4	0	4	1	1
Suffolk	Mildenhall	H	3	39	1019·4	–	45·8	1·3	9·5	89	4·5	4	5	7	7	8	0	0	0	0	0	1	1	3	17	9	0	0	0	1	22	8	10	1	4	1	0	4	3	0
			9	39	1019·9	–	56·4	5·5	10·6	68	5·3	0	6	7	10	8	0	0	0	0	0	0	0	9	14	8	0	0	0	0	6	24	1	10	4	4	1	2	3	1	5
			15	39	1018·9	–	62·1	8·5	10·5	56	5·9	0	3	7	13	8	0	0	0	0	0	0	0	5	14	11	1	0	0	0	7	24	0	10	2	8	1	2	0	4	2
			21	39	1019·4	–	51·7	3·3	10·3	78	4·2	2	8	9	7	5	0	0	0	0	0	0	0	7	19	5	0	0	0	0	2	28	1	9	7	6	2	1	1	2	2
	Felixstowe..	H	3	13	1019·1	–	48·4	1·4	10·4	89	3·2	11	7	2	4	7	0	0	0	0	0	0	1	15	13	2	0	0	0	10	17	4	12	6	0	0	1	0	1	2
			9	13	1019·8	+4·2	54·5	4·0	10·9	75	4·9	2	7	5	12	5	0	0	0	0	0	0	0	11	8	9	3	0	1	12	18	0	10	9	5	1	0	1	3	2
			15	13	1019·1	–	57·7	5·3	11·2	69	4·7	3	4	9	12	3	0	0	0	0	0	0	2	8	8	12	1	0	3	15	13	0	6	12	6	2	1	2	2	0
			21	13	1019·2	–	52·1	2·6	10·9	81	4·4	1	10	7	7	6	0	0	0	0	0	0	0	10	15	6	0	0	0	0	10	20	1	12	8	3	0	1	1	4	1
Huntingdon	Wyton ..	H	3	141	1019·8	–	46·3	1·8	9·5	88	4·9	1	7	7	7	9	0	0	0	0	0	1	4	23	3	0	0	0	0	7	22	2	7	11	0	2	2	1	5	1
			9	141	1020·2	–	55·8	5·0	10·8	70	5·1	2	5	9	5	10	0	0	0	0	0	0	0	16	9	6	0	0	0	0	12	18	1	6	10	4	1	2	0	4	3
			15	141	1019·1	–	62·1	8·9	10·2	55	6·1	0	2	6	17	6	0	0	0	0	0	0	1	6	13	9	2	0	0	0	13	16	2	5	9	2	3	3	1	1	5
			21	141	1019·7	–	52·0	3·7	10·2	76	4·9	0	9	4	13	5	0	0	0	0	0	0	0	14	12	4	1	0	0	0	7	24	0	5	12	2	5	2	1	3	1
Bedford	Cardington	H	3	96	1020·4	–	44·1	0·9	9·2	92	4·4	6	7	3	4	11	0	0	0	0	0	0	2	1	22	6	0	0	0	0	6	12	13	7	4	1	1	0	4	3	1	0	2
			9	96	1020·0	–	56·3	5·0	10·9	71	5·1	1	5	9	8	8	0	0	0	0	0	0	0	17	10	4	0	0	0	0	12	17	2	8	9	2	3	1	1	3	2
			15	96	1018·8	–	62·8	8·5	10·8	56	5·8	1	3	7	14	6	0	0	0	0	0	0	0	8	12	11	0	0	0	1	16	13	1	6	8	4	4	1	2	3	2
			21	96	1020·0	–	51·5	3·0	10·4	79	3·8	2	12	8	4	5	0	0	0	0	0	0	0	12	17	2	0	0	0	0	8	18	5	4	12	3	2	0	2	3	0
Hertford	Bovingdon	H	3	517	1019·4	–	45·8	1·3	9·5	90	4·2	7	6	3	7	8	0	0	0	0	0	0	1	3	19	7	1	0	0	0	8	18	8	5	5	13	0	0	1	2	2	3
			9	517	1019·7	–	54·6	4·5	10·7	73	5·3	1	7	5	10	8	0	0	0	0	0	0	2	9	11	8	1	0	0	0	12	18	1	4	14	3	1	3	2	1	2
			15	517	1018·4	–	61·1	7·5	11·0	60	5·7	0	5	4	16	6	0	0	0	0	0	0	0	5	15	10	1	0	0	0	19	12	0	5	8	8	2	1	4	0	2
			21	517	1019·2	–	52·3	3·5	10·4	77	4·2	1	11	5	10	4	0	0	0	0	0	1	0	15	11	4	0	0	0	6	24	1	5	14	4	1	1	4	0	2
Essex	Shoeburyness	H	9	12	1019·8	+4·1	55·3	4·2	11·2	74	5·5	2	4	4	12	9	0	0	0	0	0	1	1	10	17	2	0	0	0	3	26	2	7	8	5	2	1	1	2	2	2
			15	12	1019·1	–	58·3	5·2	11·6	70	5·1	1	8	4	10	8	0	0	0	0	0	0	1	10	15	5	0	0	1	7	23	0	3	10	9	4	1	2	0	2
			21	12	1019·2	–	51·4	2·1	11·3	86	4·6	1	8	9	7	6	0	0	0	0	0	1	1	15	12	2	0	0	0	3	27	1	5	12	4	1	0	3	4	1
4 MIDLAND COUNTIES																																													
Yorks, W.R.	Huddersfield (Oakes)	H	3	769	1020·5	–	46·0	1·4	9·5	89	4·4	6	3	11	3	8	0	1	1	0	0	1	6	10	5	6	1	0	0	2	27	2	7	13	2	0	2	1	0	4
			9	769	1020·8	–	54·2	4·7	10·2	70	4·8	2	8	6	6	9	0	0	0	0	1	0	8	12	4	2	4	0	0	5	21	5	5	12	0	1	0	2	2	1
			15	769	1019·5	–	60·3	7·4	10·7	60	4·8	2	6	8	9	6	0	0	0	0	0	0	0	10	7	6	8	0	0	0	5	24	2	9	6	2	3	1	3	1	4
			21	769	1020·6	–	49·6	2·7	10·1	81	4·2	8	2	7	7	7	0	0	0	0	0	0	1	6	9	7	2	6	0	0	4	22	5	8	10	0	1	1	0	1	5
Nottingham	Watnall ..	H	3	390	1020·1	–	46·1	1·5	9·6	89	4·7	5	2	9	5	8	2	0	0	0	2	2	2	12	10	3	0	0	0	4	17	10	2	3	10	0	1	3	0	2
			9	390	1020·3	–	54·5	4·5	10·4	71	5·1	2	4	10	7	8	0	0	0	0	0	0	2	4	17	5	3	0	0	0	8	20	3	3	3	13	0	3	0	4	2
			15	390	1019·1	–	61·8	8·3	10·6	56	5·9	0	3	7	14	7	0	0	0	0	0	0	0	1	11	12	4	3	0	0	11	20	0	1	3	14	1	3	2	4	3
			21	390	1020·0	–	51·5	3·2	10·3	79	4·0	6	8	3	8	6	0	0	0	0	0	0	0	5	17	5	4	0	0	0	3	23	5	1	2	15	1	2	0	3	3
	Finningley	H	9	46	1020·5	–	46·1	1·3	9·6	89	4·3	7	5	5	4	10	0	0	0	0	2	1	7	17	3	1	0	0	0	1	24	6	9	4	0	2	1	3	3	3
			15	46	1020·8	–	55·5	4·7	10·7	71	5·3	3	4	5	10	9	0	0	0	0	0	1	4	11	11	4	0	0	0	2	7	20	2	10	5	4	1	1	2	3	3
			21	46	1020·4	–	50·1	1·4	10·4	79	5·3	1	5	6	12	7	0	0	0	0	0	0	3	17	9	1	1	0	0	0	5	26	0	7	6	8	2	1	1	3	2
	Langar	H	9	109	1020·5	–	54·7	4·1	10·9	74	5·4	2	4	6	11	8	0	0	0	0	0	2	12	14	3	0	0	1	2	12	13	5	7	11	0	3	2	1	3	3
			15	109	1019·3	–	62·5	8·4	11·0	57	5·8	0	3	6	16	6	0	0	0	0	0	0	0	2	15	9	5	0	1	19	11	0	2	13	2	3	2	3	4	1
			21	109	1020·0	–	51·3	2·7	10·7	81	4·4	3	8	6	10	4	0	0	0	0	0	0	1	9	13	7	1	0	0	0	9	20	2	4	11	3	4	0	4	2	1
			3	219	1020·0	–	46·3	1·7	9·6	88	4·3	7	6	3	5	10	0	0	0	0	0	1	1	16	11	2	0	0	0	0	9	18	4	6	11	2	0	1	1	3	2
Northampton	Wittering	H	9	219	1020·3	–	55·1	4·4	11·0	73	5·3	2	3	8	10	8	0	0	0	0	0	0	0	14	9	8	0	0	0	13	17	1	6	10	5	2	1	1	3	2
			15	219	1019·2	–	61·2	7·7	10·8	59	6·0	0	2	8	13	8	0	0	0	0	0	0	0	8	17	5	1	0	1	15	14	1	1	15	1	2	4	3	1	3
			21	219	1019·9	–	51·3	2·9	10·5	80	4·9	2	6	7	10	6	0	0	0	0	0	0	0	17	11	3	0	0	0	9	22	0	1	12	6	3	2	2	3	2

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	NO. OF OBSERVATIONS: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: NUMBER OF OBSERVATIONS: 0–44 yd.	45–210 yd.	220–430 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
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																	
4 MIDLAND COUNTIES—*cont.*																										
		9	542	1020·4	+4·7	53·3	4·6	9·8	70	4·8	2	6	8	8	7	0	0	0	0	0	0	2	6	16	6	2	1
Warwick	Birmingham H	15	542	1019·0	–	61·5	8·6	10·1	55	5·0	3	3	9	11	5	0	0	0	0	0	0	1	2	12	3	8	5
		21	542	1019·6	–	55·3	5·1	10·2	68	4·1	6	8	2	8	7	0	0	0	0	0	0	1	3	14	10	3	0
		3	369	1020·3	–	46·1	1·4	9·6	89	4·7	5	5	5	8	8	0	0	0	0	0	1	1	3	15	10	1	0
		9	369	1020·4	–	54·0	4·1	10·5	74	5·5	1	6	3	15	6	0	0	0	0	0	0	0	2	20	9	0	0
	Elmdon .. H	15	369	1019·0	–	61·9	7·7	11·1	59	5·4	1	4	9	14	3	0	0	0	0	0	0	1	13	12	5	0	0
		21	369	1019·7	–	53·4	3·7	10·8	76	4·4	3	10	2	10	6	0	0	0	0	0	0	0	9	18	3	1	0
		3	242	1020·2	–	46·2	1·0	10·0	89	4·5	4	5	8	6	8	0	0	0	0	0	0	0	3	5	12	4	5	1
		9	242	1020·3	–	54·3	3·6	11·2	77	5·5	1	6	5	9	10	0	0	0	0	0	0	0	2	0	10	16	6	2	4
Shropshire	Shawbury .. H	15	242	1019·0	–	62·3	7·2	11·9	62	5·4	0	5	6	17	3	0	0	0	0	0	0	0	0	0	10	12	6	3	0
		21	242	1019·7	–	53·7	3·2	11·3	79	4·3	3	10	3	11	4	0	0	0	0	0	0	0	0	4	7	9	7	4
		3	112	1020·0	–	46·7	1·3	9·8	89	4·2	5	7	5	7	7	0	0	0	0	0	0	0	0	5	9	10	6	1
		9	112	1020·2	–	55·0	4·4	10·8	72	5·6	2	2	8	12	7	0	0	0	0	0	0	0	0	2	10	11	7	1
Worcester	Pershore .. H	15	112	1018·8	–	63·4	8·3	11·4	57	5·2	1	3	12	11	4	0	0	0	0	0	0	0	0	1	7	12	8	3
		21	112	1019·1	–	54·7	3·5	11·1	76	3·6	6	7	6	10	2	0	0	0	0	0	0	0	0	2	7	10	8	4
		9	226	1019·8	+4·3	54·9	4·3	10·8	73	5·1	3	6	4	11	7	0	0	0	0	0	0	0	0	3	15	8	5	0
Hereford	Ross-on-Wye H	15	226	1018·4	–	62·7	7·8	11·4	59	5·1	1	7	8	7	8	0	0	0	0	0	0	0	0	1	14	6	9	1
		21	226	1019·1	–	55·1	4·0	11·2	75	3·5	3	14	5	3	6	0	0	0	0	0	0	0	0	4	15	1	9	2
		3	197	1019·7	–	48·6	1·7	10·4	87	3·8	8	4	8	5	6	0	0	0	0	0	0	0	0	1	14	12	3	1
		9	197	1019·9	–	55·3	4·3	11·1	74	4·9	1	8	5	12	5	0	0	0	0	0	0	0	0	1	14	10	6	3
Gloucester	Bristol (Filton) H	15	197	1018·6	–	63·1	7·7	11·7	60	5·2	0	4	12	10	5	0	0	0	0	0	0	0	0	1	8	10	9	3
		21	197	1019·1	–	55·5	4·1	11·2	74	4·3	3	8	7	11	2	0	0	0	0	0	0	0	0	4	12	9	6	0
		3	751	1019·7	–	46·9	2·0	9·5	86	4·5	7	7	1	5	9	2	0	2	0	1	1	2	1	4	6	3	2
		9	751	1019·8	–	52·9	3·8	10·3	75	5·1	3	4	7	12	5	0	0	0	0	0	0	1	2	11	9	6	2	0
	Little Rissington H	15	751	1018·5	–	60·6	7·4	10·8	60	5·6	1	3	7	14	6	0	0	0	0	0	0	0	1	7	12	9	2	0
		21	751	1019·3	–	52·6	3·7	10·3	75	3·7	7	7	6	7	4	0	0	0	0	0	0	0	0	11	13	7	0	0
5 ENGLAND, S.E.																										
		3	86	1019·2	–	48·5	2·0	10·1	85	4·1	7	8	2	5	9	0	0	0	0	0	1	1	16	12	1	0
		9	86	1019·6	–	56·8	5·5	10·5	66	4·9	2	6	7	10	6	0	0	0	0	0	0	0	3	10	12	5	1	0
Middlesex	London Airport H	15	86	1018·4	–	64·1	9·6	10·5	53	6·1	0	3	4	17	7	0	0	0	0	0	0	0	0	6	9	14	2	0
		21	86	1019·0	–	56·3	5·4	10·5	68	4·5	2	10	3	9	7	0	0	0	0	0	0	1	0	17	11	2	0	0
		9	34	1019·5	+3·9	56·8	6·2	10·0	63	5·0	1	5	11	6	8	0	0	0	0	0	0	0	2	0	14	9	5	1
Surrey	Kew Observatory H	15	34	1018·3	–	63·0	9·3	10·1	52	5·8	0	3	9	12	7	0	0	0	0	0	0	0	1	1	7	3	14	5
		21	34	1019·0	–	55·8	5·2	10·3	68	4·1	2	10	6	8	5	0	0	0	0	0	0	1	0	10	13	7	0	0
		3	195	1019·1	–	45·6	0·7	10·0	93	3·9	8	5	6	6	6	0	0	0	0	0	0	0	2	10	19	0	0	0
		9	195	1019·3	–	56·7	4·8	11·5	72	5·0	1	8	3	15	4	0	0	0	0	0	0	0	0	1	14	8	7	1
	Gatwick .. H	15	195	1018·4	–	63·1	7·7	11·9	61	5·7	1	3	7	13	7	0	0	0	0	0	0	0	1	5	12	11	2	0
		21	195	1018·9	–	53·0	2·6	11·5	83	4·7	1	8	7	8	7	0	0	0	0	0	0	0	0	3	23	5	0	0
		3	309	1018·9	–	46·9	1·2	10·1	91	3·7	8	5	7	3	8	0	0	0	0	0	1	1	4	15	10	0	0	0
		9	309	1019·3	–	54·8	3·9	11·1	75	5·0	1	7	7	10	6	0	0	0	0	0	0	1	3	10	10	8	0	0
Kent	West Malling H	15	309	1018·5	–	60·0	6·4	11·5	65	5·3	0	5	10	7	9	0	0	0	0	0	0	1	1	3	12	12	2	0
		21	309	1018·9	–	51·1	2·2	10·9	85	4·5	1	9	8	6	7	0	0	0	0	0	1	2	2	9	18	1	0	0
		3	35	1018·8	–	48·9	1·8	10·4	87	3·8	7	6	5	8	5	0	0	0	0	0	0	0	2	0	6	15	8	2
		9	35	1019·3	–	58·3	5·6	11·2	67	4·7	1	10	4	14	2	0	0	0	0	0	0	0	0	1	6	12	10	2
Sussex	Thorney Island H	15	35	1018·4	–	62·4	6·9	11·9	62	5·8	2	2	4	20	3	0	0	0	0	0	0	0	1	6	12	10	2	0
		21	35	1018·7	–	54·5	3·3	11·5	78	5·0	2	4	10	10	5	0	0	0	0	0	0	0	1	3	13	4	0	0
		9	20	1019·2	–	56·5	4·9	11·0	74	5·4	1	3	11	9	7	0	0	0	0	0	0	0	0	0	22	9	0	0
	Eastbourne (Coastguard) H	15	20	1018·6	–	60·0	5·9	11·9	67	5·3	3	0	11	11	6	0	0	0	0	0	0	0	0	0	19	12	0	0
		21	20	1018·7	–	54·5	3·6	11·3	77	4·7	5	1	11	9	5	0	0	0	0	0	0	0	0	0	14	17	0	0
		3	234	1019·6	–	46·8	1·4	9·9	89	4·2	7	4	6	7	8	0	0	0	0	0	0	0	2	21	8	0	0	0
		9	234	1019·8	–	55·6	4·1	11·3	75	5·5	3	3	5	12	8	0	0	0	0	0	0	0	0	3	9	11	8	0
Berkshire	Abingdon .. H	15	234	1018·5	–	64·2	7·8	12·3	60	5·7	0	4	5	18	4	0	0	0	0	0	0	0	0	1	4	14	12	0
		21	234	1019·1	–	54·6	3·7	11·1	76	4·0	3	10	6	7	5	0	0	0	0	0	0	1	1	12	14	3	0	0
		3	231	1019·4	–	47·4	1·9	9·8	87	4·0	8	5	5	5	8	0	0	0	0	0	0	0	1	6	13	10	1	0
		9	231	1019·6	+4·1	56·0	5·0	10·8	69	5·1	1	5	9	9	7	0	0	0	0	0	0	0	2	8	6	4	11	0
Hampshire	S. Farnborough H	15	231	1018·3	–	63·6	9·1	10·9	55	5·5	0	3	10	13	5	0	0	0	0	0	0	1	1	1	8	10	10	0
		21	231	1019·1	–	55·5	4·9	10·8	71	4·2	5	9	3	5	9	0	0	0	0	0	0	1	2	15	6	6	1	0
		3	344	1019·3	–	46·9	1·4	9·9	88	4·0	9	4	3	7	8	0	0	0	0	0	1	2	5	15	6	2	0	0
		9	344	1019·5	–	56·0	5·3	10·5	67	4·7	2	5	9	9	6	0	0	0	0	0	0	1	1	4	16	6	3	0
	Blackbushe H	15	344	1018·2	–	63·5	9·6	10·3	52	5·4	0	4	9	15	3	0	0	0	0	0	0	1	1	1	12	15	1	0
		21	344	1018·9	–	54·9	4·8	10·5	71	4·0	5	10	3	5	8	0	0	0	0	0	1	1	1	14	10	5	0	0
		3	458	1019·5	–	47·4	1·7	9·8	87	4·2	7	5	4	8	6	1	0	0	0	0	1	1	0	16	9	3	0	0
		9	458	1019·7	–	54·3	4·2	10·6	74	5·1	2	6	4	13	6	0	0	0	0	0	1	1	1	0	10	10	7	1
Wiltshire	Lyneham H	15	458	1018·4	–	62·2	8·4	10·7	57	5·6	0	4	7	16	4	0	0	0	0	0	0	1	2	1	6	9	7	7
		21	458	1019·0	–	54·6	4·5	10·5	73	3·8	2	10	7	11	1	0	0	0	0	0	0	1	0	12	6	1	0	0
		9	582	1019·3	–	54·9	4·3	10·9	73	5·0	3	4	7	12	5	0	0	0	0	0	0	1	2	13	8	6	2	0
	Upavon .. H	15	582	1018·0	–	61·9	7·3	11·5	61	6·0	0	2	7	19	3	0	0	0	0	0	0	1	2	8	9	8	4	0
		21	582	1018·8	–	52·9	3·3	10·7	77	4·5	3	5	5	10	6	7	0	0	0	0	0	1	2	14	10	4	0	0
		3	419	1019·4	–	47·7	1·3	10·3	89	4·1	6	5	5	8	8	4	0	0	0	0	0	1	0	5	17	8	0	0
		9	419	1019·6	–	55·6	4·0	11·5	75	5·1	2	5	6	12	5	6	0	0	0	0	0	0	0	3	9	14	5	0
	Boscombe Down H	15	419	1018·4	–	62·4	7·2	11·9	62	5·8	1	2	8	15	5	0	0	0	0	0	0	0	0	2	5	14	9	1
		21	419	1019·1	–	54·0	3·4	11·3	78	5·0	3	6	5	13	4	0	0	0	0	0	0	0	3	12	15	1	0	0
7a ENGLAND, N.W.																										
		3	27	1020·6	–	47·3	1·3	10·0	89	5·0	0	6	9	9	7	0	0	0	0	0	0	0	4	4	8	12	3	0
		9	27	1020·9	–	53·7	3·3	11·1	78	5·1	1	6	6	15	3	0	0	0	0	0	0	0	2	8	11	4	6	0
Cumberland	Silloth H	15	27	1019·8	–	60·9	5·9	12·3	67	5·2	0	4	13	13	1	0	0	0	0	0	0	0	1	6	11	7	6	0
		21	27	1020·2	–	53·4	2·6	11·7	82	5·3	0	6	7	14	4	0	0	0	0	0	0	0	1	4	4	12	7	3
		3	35	1019·9	–	48·3	1·9	10·0	86	5·3	1	6	5	12	7	0	0	0	0	0	0	0	5	7	10	9	0	0
		9	35	1020·2	–	57·3	4·8	11·5	71	5·1	1	6	7	14	3	0	0	0	0	0	0	0	1	2	5	8	6	3
Lancashire	Squires Gate H	15	35	1019·3	–	60·9	6·1	12·1	66	4·8	1	7	6	12	5	0	0	0	0	0	0	0	1	1	9	5	11	4
		21	35	1019·6	–	53·5	3·2	11·1	78	5·2	0	8	4	13	6	0	0	0	0	0	0	0	1	5	9	9	7	0
		3	85	1019·9	–	50·1	2·2	10·5	84	5·0	3	6	4	9	9	0	0	0	0	0	0	0	3	5	12	9	1	0
		9	85	1020·2	–	55·6	4·6	10·8	71	5·2	1	4	10	11	5	0	0	0	0	0	0	1	1	2	18	4	4	1
	Speke .. H	15	85	1019·2	–	62·4	8·2	10·9	57	5·8	1	3	5	16	6	0	0	0	0	0	0	0	1	1	10	13	4	2
		21	85	1019·7	–	55·9	4·4	11·2	73	3·9	5	9	5	4	8	0	0	0	0	0	0	0	3	4	19	4	1	0

WIND, NUMBER OF OBSERVATIONS																	
FORCE (0-12) Beaufort Force						DIRECTION											
8 or more	6, 7	4, 5	1 to 3	Calm		N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
Speed in knots																	
34 or more	22 to 33	11 to 21	1 to 10	0													
0	0	6	25	0		4	11	4	3	2	4	1	2				
0	0	12	19	0		2	8	9	2	4	2	2	2				
0	0	6	25	0		3	5	10	5	2	0	4	2				
0	0	3	19	9		7	6	1	2	0	1	2	2				
0	0	11	18	2		2	13	3	3	2	2	3	2				
0	0	14	17	0		1	13	5	2	1	2	3	2				
0	0	6	22	3		3	7	10	1	0	1	3	2				
0	0	3	18	10		3	3	7	0	3	3	2	1				
0	0	7	23	1		4	2	13	2	4	3	2	2				
0	0	15	15	1		5	5	8	2	4	2	3	2				
0	0	3	24	4		4	5	8	1	1	3	2	3				
0	0	3	18	10		2	10	4	2	0	1	2	3				
0	0	6	23	2		2	13	5	0	3	2	1	3				
0	0	11	19	1		3	11	4	2	1	4	1	4				
0	0	3	25	0		2	8	11	2	1	2	3	1				
0	0	5	26	0		3	15	4	1	1	2	3	1				
0	0	6	25	0		1	12	8	1	1	2	3	3				
0	0	6	23	2		2	9	7	1	2	5	1	2				
0	0	1	26	4		2	9	7	1	2	1	3	3				
0	0	4	22	5		3	14	3	2	2	3	2	4				
0	0	6	24	1		3	14	3	3	2	1	1	3				
0	0	6	23	1		4	13	5	2	1	4	1	3				
0	0	3	25	0		3	11	6	2	3	2	2	3				
0	0	4	25	0		3	11	5	3	2	2	3	3				
0	0	3	18	10		4	9	3	0	0	0	3	2				
0	0	9	21	1		5	9	8	0	1	2	2	4				
0	0	15	15	0		7	10	5	2	3	2	3	0				
0	0	8	20	3		3	10	7	2	2	3	2	3				
0	0	1	15	15		4	6	2	0	1	3	3	1				
0	0	10	20	1		4	13	7	0	3	3	2	1				
0	0	5	22	4		6	10	7	0	2	0	1	5				
0	0	2	20	3		1	6	9	2	1	1	5	4				
0	0	2	17	10		4	8	5	0	0	1	0	0				
0	0	3	18	10		6	9	2	1	0	0	2	1				
0	0	8	22	1		2	13	3	4	2	1	0	3				
0	0	11	20	0		3	14	3	4	3	0	3	1				
0	0	3	23	5		2	13	5	0	2	0	4	0				
0	0	0	16	15		1	6	4	1	2	1	4	3				
0	0	3	25	3		2	6	12	2	1	2	0	1				
0	0	2	29	0		2	11	8	3	1	2	3	1				
0	0	0	26	5		0	9	9	2	1	2	4	0				
0	0	2	25	4		7	8	3	0	1	0	3	4				
0	0	11	18	2		8	13	2	2	2	1	0	2				
0	1	21	9	0		6	12	4	2	2	1	0	3				
0	0	4	26	1		3	10	9	2	1	2	3	0				
0	0	7	20	4		3	11	7	1	1	1	3	0				
0	0	10	20	1		1	15	4	3	1	1	4	2				
0	0	16	14	1		2	11	5	3	2	1	3	3				
0	0	6	24	1		2	7	10	1	3	2	1	3				
0	0	7	23	1		2	14	3	5	2	1	3	0				
0	1	10	18	2		4	6	9	1	3	2	2	2				
0	0	4	23	4		2	6	11	2	1	2	2	3				
0	0	6	19	6		2	6	9	5	2	1	2	2				
0	0	12	18	1		5	11	5	3	3	2	1	4				
0	1	11	18	1		3	11	5	3	3	2	1	3				
0	0	6	23	2		3	7	8	2	3	1	3	2				
0	0	10	19	2		1	12	8	0	1	3	3	1				
0	2	8	20	1		3	14	6	0	0	2	2	1				
0	1	10	20	0		2	9	7	1	2	1	3	1				
0	0	6	23	2		2	11	6	2	1	0	2	2				
0	0	12	17	2		2	11	6	0	2	1	1	4				
0	0	6	23	2		1	1	16	1	1	2	2	4				
0	0	10	20	1		1	5	9	5	1	1	2	3				
0	0	10	20	1		1	3	6	1	1	2	0	2				
0	0	11	19	1		0	7	4	2	2	2	2	5				
0	1	9	20	0		4	4	3	3	0	1	1	2				
0	0	6	25	0		6	8	4	3	3	0	1	2				

National Meteorological Library & Archive Location Records Bracknell RG12 2SZ

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
7a ENGLAND, N.W.—*cont.*																																												
	3	251	1020·0	–	48·9	2·7	9·7	81	4·1	4	8	7	5	7	0	0	0	0	0	3	2	17	8	1	0	0	1	4	20	6	2	5	7	1	6	2	2	0
	9	251	1020·1	–	56·5	5·9	10·2	64	5·2	3	3	6	14	5	0	0	0	0	0	0	2	13	13	3	0	0	1	8	18	4	1	5	8	2	3	3	1	4
Cheshire Manchester Airport H	15	251	1019·0	–	63·6	9·8	10·2	51	5·5	1	3	10	12	5	0	0	0	0	0	0	0	12	9	10	0	0	1	12	15	3	0	9	4	2	1	3	5	4
	21	251	1019·6	–	55·3	4·7	10·8	71	4·6	0	11	6	8	6	0	0	0	0	0	2	4	18	6	1	0	0	1	4	25	1	1	5	10	2	3	2	3	4
7b NORTH WALES																																											
	3	29	1019·6	–	49·6	1·8	10·6	87	4·2	7	5	3	11	5	0	0	0	0	0	0	2	13	7	8	1	0	0	7	12	12	2	6	5	0	1	2	1	2
	9	29	1019·9	+4·9	56·2	4·0	11·8	77	5·2	1	7	4	12	7	0	0	0	0	0	0	2	12	7	4	6	0	0	9	21	1	4	8	4	3	1	6	2	2
Anglesey Holyhead .. (Valley) H	15	29	1019·4	–	59·9	4·9	11·9	68	4·7	2	8	4	12	5	0	0	0	0	0	0	0	10	7	7	7	0	0	12	17	2	4	8	4	1	1	5	3	3
	21	29	1019·5	–	53·1	2·6	11·5	83	4·1	6	7	3	10	5	0	0	0	0	0	0	2	12	4	8	5	0	0	6	23	2	6	10	5	2	2	1	2	1
8a SOUTH WALES																																											
	3	379	1019·4	–	49·9	2·2	10·6	85	4·1	4	10	4	7	4	2	0	0	1	1	0	0	11	10	7	1	0	0	3	22	6	2	2	6	5	5	2	1	2
	9	379	1019·5	–	55·0	3·3	11·9	80	4·8	1	9	6	8	6	1	0	0	0	1	0	0	10	11	6	3	0	0	5	25	1	6	9	2	2	3	2	5	1
Cardigan Aberporth .. H	15	379	1018·9	–	57·5	4·4	12·1	74	4·1	4	10	3	9	5	0	0	0	0	0	0	0	8	9	7	7	0	1	7	23	0	8	4	4	1	2	0	5	7
	21	379	1019·3	–	52·4	2·6	11·3	83	4·6	2	6	9	8	6	0	0	0	0	0	0	2	13	6	6	4	0	0	3	16	12	3	2	3	2	1	2	3	3
	3	123	1019·3	–	51·7	2·0	11·4	86	3·5	8	9	4	3	7	0	0	0	1	0	0	0	15	14	1	0	0	0	8	19	4	6	9	4	1	0	1	3	3
	9	123	1019·5	–	54·6	2·8	12·1	83	5·1	3	5	8	4	11	0	0	0	0	0	0	0	16	6	1	0	0	0	10	15	6	3	4	4	5	1	5	1	2
Glamorgan Mumbles Head H	15	123	1018·8	–	57·9	3·9	12·6	77	5·8	1	4	6	7	13	0	0	0	0	1	0	2	15	12	1	0	0	2	11	13	5	1	2	2	5	3	7	5	1
	21	123	1018·8	–	56·4	4·0	11·9	76	4·8	1	7	9	3	11	0	0	0	0	1	0	2	14	13	1	0	0	1	9	14	7	3	6	1	0	0	2	2	10
	3	225	1019·5	–	48·1	1·4	10·4	90	3·8	5	9	5	4	7	1	0	0	1	0	1	4	9	9	7	0	0	0	8	18	5	3	11	5	1	0	0	5	1
	9	225	1019·9	–	54·6	3·6	11·2	77	5·1	2	6	6	8	9	0	0	0	0	0	0	4	17	6	3	1	0	0	16	15	0	0	9	11	2	1	2	5	2
Rhoose .. H	15	225	1018·7	–	61·3	6·4	11·9	66	4·8	0	8	9	8	6	0	0	0	0	0	0	3	7	13	5	3	0	4	15	12	0	0	9	6	5	1	2	8	0
	21	225	1019·1	–	54·0	2·9	11·6	82	3·9	2	12	4	8	5	0	0	0	0	0	0	2	14	4	7	4	0	1	4	23	3	4	7	4	0	2	0	7	4
8b ENGLAND, S.W.																																											
	3	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset Portland Bill H	15	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	21	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	305	1018·5	–	51·7	2·2	11·2	85	3·7	3	13	4	4	6	1	0	2	0	0	0	0	3	19	4	3	0	0	6	23	2	1	11	9	1	0	2	4	1
	9	305	1018·8	–	54·3	2·8	11·9	82	4·9	2	6	7	10	5	1	0	1	1	0	0	0	15	9	4	1	0	0	7	24	0	2	11	8	2	1	2	4	1
Devon Hartland Pt. H	15	305	1018·2	–	56·7	3·6	12·2	78	4·4	1	9	7	10	4	0	0	0	0	0	1	1	15	8	4	2	0	1	6	24	0	3	12	4	0	2	1	9	0
	21	305	1018·4	–	54·1	2·9	11·8	82	4·5	0	8	11	8	3	1	0	1	0	0	0	1	9	13	5	2	0	0	5	25	1	1	11	6	1	0	5	6	0
	3	100	1018·8	–	50·3	2·0	10·7	86	3·9	8	6	4	5	7	1	0	0	1	0	1	9	10	9	1	0	0	0	5	17	9	5	6	7	1	0	0	1	2
	9	100	1019·1	+3·7	56·3	4·2	11·4	74	4·5	2	8	5	11	5	0	0	0	0	0	0	2	11	8	9	1	0	0	14	16	1	4	4	12	1	1	3	3	2
Plymouth (Mount Batten) H	15	100	1018·5	–	60·1	5·9	11·8	67	4·7	1	8	7	9	6	0	0	0	0	0	0	3	7	8	9	4	0	1	19	11	0	0	1	10	2	9	5	2	2
	21	100	1018·8	–	54·1	3·0	11·5	80	4·1	1	11	8	5	6	0	0	0	0	0	0	5	14	10	2	0	0	0	2	21	8	5	5	3	2	1	3	2	2
	3	23	1019·0	–	50·5	1·7	11·1	89	4·2	4	11	3	5	8	0	0	0	0	0	0	2	17	5	7	0	0	0	3	20	8	1	2	14	3	0	0	2	1
	9	23	1019·4	–	57·5	4·4	11·9	74	5·0	3	4	9	11	4	0	0	0	0	0	1	1	16	5	4	4	0	0	5	23	3	2	1	7	8	0	2	7	1
Chivenor .. H	15	23	1018·5	–	63·2	7·1	12·5	64	4·5	3	5	10	8	5	0	0	0	0	0	0	1	14	6	7	3	0	1	15	15	0	4	1	8	4	2	0	10	2
	21	23	1018·9	–	55·0	3·0	12·0	81	4·3	0	11	6	11	3	0	0	0	0	0	0	2	17	5	6	1	0	0	2	19	10	3	4	4	3	0	2	3	2
	3	125	1019·2	–	47·7	1·0	10·6	92	3·9	6	8	5	4	7	1	0	1	1	1	2	4	12	3	6	1	0	0	5	14	12	4	9	0	1	1	1	0	3
	9	125	1019·4	–	55·7	3·5	11·7	77	5·1	2	6	4	12	7	0	0	0	0	0	0	5	12	4	5	5	0	0	12	18	1	4	10	5	4	1	0	2	4
Exeter .. H	15	125	1018·4	–	62·5	6·4	12·6	66	4·5	0	7	12	8	4	0	0	0	0	0	0	1	7	9	7	7	0	4	13	13	1	0	7	3	4	8	2	2	4
	21	125	1019·0	–	53·4	2·3	11·8	84	3·8	1	14	6	4	6	0	0	0	0	0	1	2	5	8	7	5	3	0	3	16	12	1	4	3	3	1	1	5	
	3	199	1018·9	–	51·7	1·6	11·6	89	3·9	10	3	6	3	6	3	0	1	0	2	1	0	11	10	3	3	0	0	9	16	6	3	5	8	1	1	1	4	2
	9	199	1019·1	+3·8	55·0	3·0	12·0	81	4·4	2	8	8	9	3	1	0	1	0	0	1	1	11	7	5	5	0	0	13	15	3	3	7	8	3	2	0	4	1
Cornwall St.Mary's, Scilly H	15	199	1019·0	–	57·6	4·1	12·2	75	4·5	4	5	10	5	6	1	0	0	0	1	0	1	15	7	4	3	0	1	11	18	1	4	5	10	2	3	0	4	2
	21	199	1018·4	–	52·9	2·1	11·8	86	4·1	4	10	3	6	5	3	0	3	1	0	1	2	12	5	5	2	0	0	9	17	5	5	8	5	1	2	2	1	2
	3	350	1019·9	–	49·9	1·2	11·4	91	3·5	10	6	3	5	5	2	0	0	3	1	1	6	9	5	6	0	0	0	3	23	5	3	6	5	5	0	1	3	3
	9	350	1019·1	–	55·8	3·3	12·1	79	4·1	3	8	8	8	2	2	0	1	1	0	0	1	12	5	8	3	0	0	10	21	0	3	4	7	6	3	0	4	4
St. Mawgan H	15	350	1018·7	–	59·3	4·7	12·6	74	4·5	1	10	6	9	4	1	0	0	0	0	1	2	12	7	6	3	0	0	15	14	2	8	1	2	6	2	0	4	6
	21	350	1019·1	–	53·0	1·9	12·1	87	4·0	6	6	6	5	6	2	0	0	2	2	1	6	10	6	3	1	0	0	2	24	5	3	6	1	2	5	1	4	4
NORTHERN IRELAND																																											
	3	13	1020·1	–	46·9	1·4	10·0	89	4·2	4	6	7	11	3	0	0	0	0	0	0	0	5	14	11	1	0	0	3	13	15	1	0	3	1	3	4	2	2
	9	13	1020·2	–	55·3	3·6	11·7	77	4·6	2	7	7	13	2	0	0	0	0	0	0	0	5	6	13	7	0	0	8	18	5	7	1	4	3	4	4		
Londonderry Ballykelly H	15	13	1019·4	–	60·1	5·9	12·0	67	5·4	0	6	6	16	3	0	0	0	0	0	0	0	3	9	8	11	0	0	14	17	0	10	6	4	3	1	2	2	3
	21	13	1019·9	–	52·7	2·8	11·2	81	4·5	0	8	7	11	5	0	0	0	0	0	0	0	5	10	6	10	0	0	4	18	9	6	2	2	2	4	1	5	0
	3	220	1020·3	–	47·0	1·3	10·2	90	5·0	2	7	6	10	5	1	0	1	0	0	0	0	8	14	8	0	0	0	7	15	9	5	2	8	1	0	2	2	4
	9	220	1020·7	+5·7	54·3	3·8	11·1	75	5·4	1	5	7	13	5	0	0	0	0	0	0	0	10	13	4	4	0	0	8	14	9	2	1	9	2	0	1	3	4
Antrim Aldergrove H	15	220	1019·7	–	60·6	7·1	11·2	60	5·1	1	4	10	13	3	0	0	0	0	0	0	0	6	10	8	7	0	0	10	20	1	4	0	11	4	2	2	4	5
	21	220	1020·1	–	52·0	2·8	10·9	81	5·0	1	7	7	9	7	0	0	0	0	0	0	1	8	9	10	3	0	0	6	25	0	8	3	9	4	1	0	2	4
	3	356	1020·4	–	47·3	1·5	10·1	89	5·3	2	6	4	9	8	2	0	1	1	0	0	0	7	11	8	3	0	0	5	18	8	4	6	2	3	3	2	2	1
	9	356	1020·6	–	54·2	3·9	11·0	76	5·4	1	4	7	16	3	0	0	0	0	0	0	0	8	11	5	7	0	0	13	15	3	4	5	4	3	0	2	7	3
Nutts Corner H	15	356	1019·6	–	60·5	7·2	11·0	61	5·3	2	2	9	16	2	0	0	0	0	0	0	0	3	6	11	11	0	0	9	20	2	2	1	8	4	1	1	4	6
	21	356	1020·2	–	52·2	3·1	10·8	80	5·0	0	7	7	14	3	0	0	0	0	0	0	0	10	6	6	9	0	0	7	23	1	6	4	4	7	1	0	2	6

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, MAY 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	745	19	121	9	448·2	31	354	24	121	9	250·5	31	839	1,31	140	9	540·2	26
Eskdalemuir	796	24	209	31	485·0	31	354	22	102	24	263·0	31	773	24	218	31	485·0	31
Cambridge	839	24	106	20	518·3	31	372	18	97	20	257·3	31	-	-	-	-	-	-
Kingsway	879	24	108	20	528·0	31	386	22	94	20	268·0	31	870	24	104	20	531 2	31
Kew	758	24	66	20	454·4	31	353	29	66	20	229·0	31	787	24	82	20	497·9	31
Aberporth	826	24	87	21	542·5	31	444	30	87	21	275·1	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN MAY 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	13	18	0	0	0	0	0	0	0	1	11	19	0	0
Stornoway	0	0	3	20	8	0	0	0	0	0	0	0	11	15	5	0
Craibstone	0	0	3	21	7	0	0	0	0	0	0	2	7	21	1	0
Rothesay	-	-	-	-	-	-	-	-	0	0	0	0	5	20	6	0
Renfrew	0	0	0	9	12	10	0	0	0	0	0	1	7	16	7	0
Eskdalemuir	0	0	3	8	10	10	0	0	0	0	0	3	12	15	1	0
Douglas	0	0	2	9	17	3	0	0	0	0	0	0	4	15	12	0
Cockle Park	0	0	1	17	13	0	0	0	0	0	0	1	13	17	0	0
Gorleston	0	0	2	24	5	0	0	0	0	0	0	0	5	17	9	0
Cambridge	0	0	0	10	9	10	2	0	0	0	0	3	8	16	4	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	1	8	13	9	0	0	0	0	0	0	6	16	9	0
Kew Observatory	0	0	0	11	8	10	2	0	0	0	0	0	6	16	9	0
Hastings	0	0	0	12	14	5	0	0	0	0	0	0	4	18	9	0
Southampton	0	0	0	4	11	14	2	0	0	0	0	0	7	15	9	0
Stonyhurst	0	0	2	6	13	10	0	0	0	0	0	0	4	20	7	0
Bidston Observatory	0	0	1	10	12	8	0	0	0	0	0	0	2	19	10	0
Holyhead (Valley)	0	0	1	8	15	7	0	0	0	0	0	0	4	17	10	0
Falmouth	0	0	0	16	12	3	0	0	0	0	0	0	1	18	12	0
Aldergrove	0	0	2	10	11	8	0	0	0	0	0	2	3	21	5	0
Armagh	0	0	0	11	11	9	0	0	0	0	0	1	7	19	4	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT							EARTH TEMPERATURE		RAINFALL			WEATHER Number of days								BRIGHT SUNSHINE	
				Means of				Highest Maximum and Lowest Minimum								Precip'n										
		Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date		1 ft.	4 ft.	Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	·01in. (0·2 mm.) or more	·04in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (0h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
1959		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.			°F.	°F.	in.	%	in.												hr.	%
January	Middleton St.G.	21-99	115																			11							
	Manby	21-99	55																			10							
	Marham	21-99	76																			9							
	Gorleston	21-99	5																			8							
	Birmingham	21-99	536																			13							
	Lyneham	21-99	457																			12							
February	Keswick	999	254	45·6	35·2	40·4	+0·9	52	24	20	3		35·8	41·3	1·63	38	·28	16	13	12	-	-	-	-	-	11	21	-	2·47	131S
March	Glenmore Lodge	999	1000												1·73		·52	6	10	8										
	Keswick	999	254	49·8	42·4	46·1	+3·7	55	2,23	32	16		43·0	43·4	3·33	97	·70	14	17	14	-	-	-	-	-	1	15	-	2·89	89S
	Swanage	999	37																	12									

TABLE IV—ADDITIONS AND CORRECTIONS

MONTH	STATION	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)								VISIBILITY								WIND. NUMBER OF OBSERVATIONS													
											No. of Observations							Number of Observations								Force (0-12)					Direction								
																										Beaufort Force													
																										8 or more	6, 7	4, 5	1 to 3	Calm									
																										Speed in knots													
				At Mean Sea Level	Difference from Average	Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	Mean Amount	0	1 2	3 to 5	6 7	8	9	0-44 yd.	45-219 yd.	220-439 yd.	440-1,099 yd.	1,100-2,199 yd.	2,200-4,399 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over.	34 or more	28 to 33	22 to 27	11 to 21	1 to 10	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1958		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
December	Middleton St.G.	3	118							5·7			3		12																								
	Manby	9	47											12	11																								
	Croydon	21	225							6·8		1		9																								
	Chivenor	21	23											5	12																								
	Hartland Pt.	9	305							5·9		3		19																									
	St. Mary's	9	199					9·5																															
1959																																							
January	Stornoway	3	16						88																														
	"	15	16				1·6																															
	Huddersfield	15	769											4	10																								
	Lyneham	3	458											1	10																								
February	Wyton	3	141							5·7	5		1																										
	"	21	141							4·7	8		3																										
	Eastbourne	9	20			38·5	1·1																																
	Exeter	3	125											3	16																								
	Ballykelly	21	13							4·2																													
March	Wick	3	121							5·6																													
	"	15	121						80																														

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntar

Volume 76 Number 6 Published by HER MAJESTY'S STATIONERY OFFICE

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June 1959—*Warm and sunny*

A westerly type of weather predominated for the first 10 days of the month, being interrupted between the 3rd and 5th. An anticyclone from the Azores moved into the country on the 11th and developed first northwards and then westwards, dominating our weather for 4 or 5 days and producing record pressures for June. There followed a short spell of north-westerly winds but another anticyclone developed over the country on 19th and moved to Scandinavia by 21st. Between the 22nd and 25th much of England was in a col in the pressure distribution but westerly winds were established over southern districts on 26th and subsequently extended to most parts of the British Isles.

June 1st was rather cool with occasional slight rain at first, followed by showers in the north. The next two days were warm and sunny, although some slight rain occurred here and there; on both days temperature exceeded 70°F. with over 14 hr. of sunshine at many places. By the 4th a pronounced ridge at 500 mb. had built up over western Europe and an exceptionally cold low was moving south from the Baltic towards the Balkans forming a temporary blocking pattern. Thunderstorms broke out on the 4th and 5th as a wave depression from the Bay of Biscay moved northwards over the British Isles. The storms were most severe in the north of England where at some places more than 1 in. of rain fell in 24 hr. With freshening westerly winds the next few days were cooler, but outbreaks of thundery rain or showers continued. Falls generally were not large, although there was some heavy rain in western districts on the 6th, and some places in west Scotland had more than 2 in. in 24 hr. on the 7th.

Pressure began to rise on the 10th as an anticyclone spread north-east from the Azores, and this was the beginning of a long spell of dry weather which lasted in most parts of the country for about 12 days. The anticyclone intensified, becoming centred over the country on the 12th, and by midnight the following night pressure in most districts was higher than had been recorded in any previous June anywhere in the British Isles during the last hundred years. Pressures exceeding 1042 mb. were reported from most parts of the country. At 500 mb. the centre of the anticyclone was situated to the west of Ireland, and reached the exceptional height of 6 km. The 14th was unusually sunny and warm especially in eastern Scotland and north-east England where some places recorded nearly 16 hr. of sunshine with temperature in excess of 80°F. Northerly winds brought unusually dry air to parts of East Anglia with dew points below 32°F. and relative humidities of the order of 20 per cent.

The following day the anticyclone moved westwards and cooler air spread southward to most districts; slight ground frost was experienced locally in the Midlands on the night of the 15/16th. Nevertheless the days were mainly sunny and rather warm from 16th to 21st with little measurable rain in England and Wales, although in Scotland it was rather wet.

An anticyclone, which had formed over England on the 19th, became centred over Scandinavia two days later. Winds over the British Isles, on its western flank, were light variable or southerly from 21st to 26th. Weather was generally warm and close, with good sunny periods, especially in the north, although there were frequent, and often heavy, outbreaks of thundery rain and thunderstorms. Temperature rose to 84°F. locally in eastern England and there were severe thunderstorms in Wales and the Midlands on the 24th and 25th; on the latter date 3 in. of rain fell in an hour and a half at Bristol and 2¼ in. was recorded at Llanidloes, central Wales, in two hours. At Lerwick, on the other hand, 47·6 hr. of sunshine was registered in the three days 25th–27th.

The blocking Scandinavian high declined steadily after the 23rd and weather became somewhat cooler as winds veered to the west behind a depression which moved north-east towards west Scotland. The air, however, remained unstable over much of the country until the 29th; heavy rain occurred in the Pennines and the North Riding of Yorkshire on the 27th and 28th and thunderstorms broke out in south-east England on the 29th. The last day of the month was mainly fine, although a warm front approaching from the Atlantic brought some rain to western districts by midnight.

Pressure and Wind. Mean pressure was everywhere above the 1921–50 average, the excess at 9 h. ranging from 1·9 mb. at Stornoway to 3·6 mb. at Spurn Head. Pressure rose to record levels all over the country on the 13th and reached 1042·9 mb. at Clones in Ireland, a value which compares with previous highest pressures for June in the British Isles of 1037·4 mb. at Rhayader in 1957 and 1036·5 mb. at Valentia in 1890. Winds were light and variable on the 3rd–5th, 11th–14th and on the 19th, and during the intervening periods from the beginning of the month were mainly between west and north-west. They were predominantly southerly on 20th–26th and westerly during the last few days of the month. Wind reached gale force in parts of Scotland on 9 days and parts of England and Wales on the 2nd, 6th–9th and 17th (6 days); gales were most prevalent in southern and western England on the 8th and in north-east England on the 17th. A gust of 58 kt. was recorded at Tiree on the 7th.

Temperature. Mean temperature was everywhere above the 1921–50 average the excess being 1·5°F. in England and Wales, 1·6°F. in Scotland and 1·7°F. in Northern Ireland. The coolest period was from 6th to 10th when afternoon temperatures did not reach the average. Temperature rose to 83°F. or 84°F. at a number of places in the Midlands, eastern and south-east England on the 17th and 24th.

Extremes included: (England and Wales) 84°F. at several stations on 17th and 24th, 30°F. at Santon Downham on the 13th and at Alwen on the 19th; (Scotland) 83°F. at Dundee on the 14th, 30°F. at Glenlivet on the 11th; (Northern Ireland) 80°F. at Armagh on the 14th, 37°F. at Garvagh and Ely Lodge on the 4th and at Nutts Corner on the 19th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 80 in England and Wales, where it was the driest June since 1951, 109 in Scotland and 89 in Northern Ireland. Less than half the average occurred in western Cornwall, lowland Somerset, on the Sussex coast, in the Birmingham–Oxford area and in the Fen district. More than 150 per cent. of the average was recorded in parts of southern and mid-Wales, in the English Lake District and on the western coasts of Inverness-shire and Ross-shire.

In Scotland there was little rain between 10th and 20th the 13th, 14th, 19th and 20th being dry in most places. In east Scotland the 24th and 25th were also dry, but rain occurred most other days. In England and Wales many places had 15 days or more without measurable rain from the 10th; Scarborough had no measurable rain from 9th to 25th inclusive.

Among the heaviest falls in 24 hr. were:—

7th 3·15 in. at Conaglen, Argyllshire.
24th 3·26 in. at Swansea Waterworks.
25th 3·40 in. at Broadstairs, Kent and 3·69 at Hanham (Conham Sewage Works), Gloucestershire, about 3 in. of which fell in about 90 min. from 1330 G.M.T.

Thunder was heard on the 6th–8th and 21st–29th in Scotland and on the 1st, 4th–6th, 8th–12th, 16th, 19th and 21st–29th in England and Wales. Thunderstorms were widespread on the 24th and 25th and were prevalent in north-east England also on the 5th, 22nd, 27th and 28th. In Northern Ireland they were widespread on the 27th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 115 in England and Wales, 109 in Scotland and 123 in Northern Ireland. Few places reported less than 95 per cent. of average sunshine.

Fog. Early morning fog occurred at one place or another on 11 days in Scotland and 12 days in England and Wales; it was most prevalent on the 5th, 23rd and 26th.

Miscellaneous Phenomena. The aurora was not reported as being seen during the month from any part of the British Isles.

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

MoR dup

TABLE I—DISTRICT VALUES— JUNE 1959 [1908, revised 1928, 1941 and 1956]

Districts	Air Temperature: Highest	Lowest	Difference from Average: Max.	Min.	Mean	Earth Temperature: At 1 ft. Difference from Average	At 4 ft. Difference from Average	Rainfall: Percentage of Average	No. of Days Difference from Average	Sunshine: Percentage of Average
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	77	30	+2·3	+1·3	+1·8	—	—	111	0	120
Eastern										
1 SCOTLAND, E.	83	30	+1·6	+1·6	+1·6	—	—	106	-1	107
2 ENGLAND, N.E.	82	33	+1·8	+1·0	+1·4	+1·3	+0·6	94	-1	109
3 ENGLAND, E.	84	30	+2·6	+0·7	+1·6	+1·2	+1·1	77	-2	119
4 MIDLAND COUNTIES	84	32	+1·7	+1·4	+1·6	+1·6	+2·0	68	0	117
5 ENGLAND, S.E.	83	33	+2·2	+0·6	+1·4	+1·4	+1·2	46	0	112
Western										
6 SCOTLAND, W.	78	32	+0·9	+2·0	+1·4	+1·1	+1·5	105	+2	100
7 ENGLAND, N.W. (*and N. Wales*)	81	30	+1·7	+1·7	+1·7	+1·1	+1·9	101	-1	125
8 ENGLAND, S.W. (*and S. Wales*)	79	35	+1·1	+1·1	+1·1	+2·2	+1·9	97	+2	110
NORTHERN IRELAND	80	37	+2·1	+1·3	+1·7	—	—	—	-1	123

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JUNE 1959 [1914]

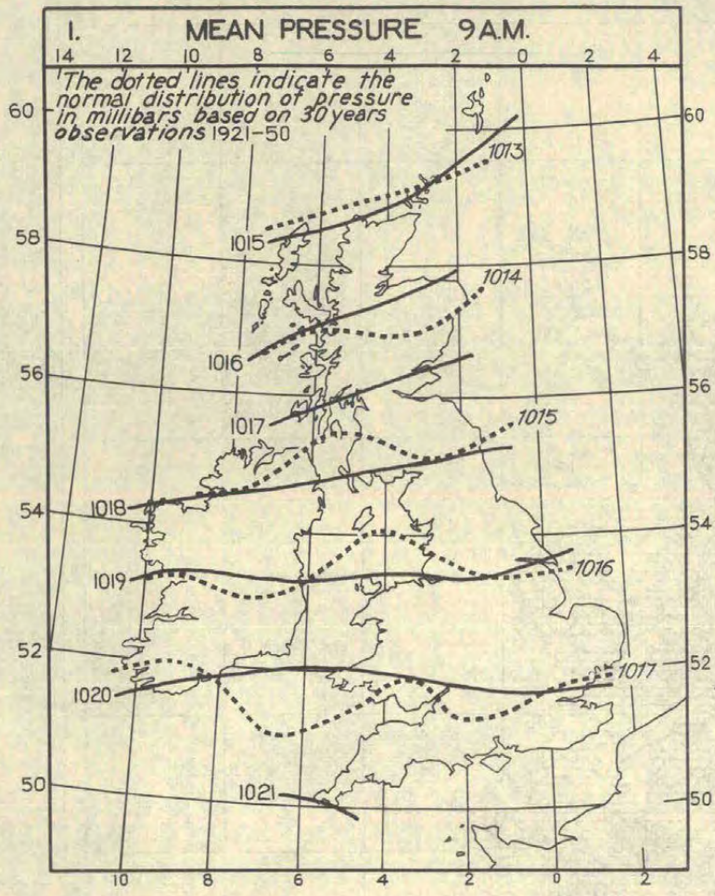
District, County and Place	Height of Vane: Above Mean Sea Level	Above Ground	Effective Height	Distribution of Mean Hourly Values of Wind Speed: 34 knots or more: Dates of Occurrence	Duration	22 to 33 knots: No. of days	Duration	11 to 21 knots: Duration	4 to 10 knots: Duration	Less than 4 knots: Duration	No Record: Duration	Mean Hourly Wind Speed	Highest Velocities: Highest Hourly Wind: Veer from N.	Speed	Hour ended at	Highest Gust: 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	7,14,16,17	12	16	185	397	95	31	0	17·0	280	36	14 16	50	7 2205
Orkney Grimsetter	135	51	33	-	0	7	55	325	296	44	0	11·6	270	33	16 16	53	16 1510
Caithness Dounreay	112	41	33	-	0	14	93	387	230	8	2	13·7	150	29	6 18	46	17 1130
Ross & Cromarty Stornoway (Coastguard)	120	40	36	-	0	9	76	282	234	128	0	11·3	260	32	17 13	50	17 1040
Inverness Benbecula	69	51	35	-	0	13	126	322	233	39	0	13·7	260	32	17 14	50	7 1505
1 Aberdeen Dyce	225	40	40	-	0	2	6	187	281	246	0	7·1	250	26	17 12	43	7 2225
Angus Bell Rock Lighthouse	128	131	124	17	6	9	88	259	233	134	0	11·5	320	40	17 14	54	17 1320
Perth Rannoch	1006	56	57	16	1	7	47	315	298	55	4	11·5	270	35	16 13	53	17 1345
Fife Leuchars	79	41	41	-	0	4	21	182	288	229	0	7·7	230	25	17 13	44	17 1235
Midlothian Edinburgh	485	39	23	-	0	6	29	235	217	239	0	8·5	170	26	8 03	52	8 1310
6a Argyll Tiree	89	60	47	7	2	11	117	350	161	90	0	13·5	190	34	7 23	59	17 1025
Bute Millport	50	34	34	-	0	5	23	216	254	227	0	8·3	260	31	17 13	49	17 1115
Renfrew Paisley	188	81	31	-	0	0	0	140	401	179	0	7·0	270	20	16 15	48	17 1350
Renfrew	71	41	39	-	0	6	27	332	245	116	0	10·4	210	28	8 04	45	17 1140
Ayr Prestwick Airport	35	33	33	-	0	3	6	304	296	114	0	9·6	170	25	8 01	37	6 1035
Dumfries Eskdalemuir	825	50	35	-	0	4	24	120	254	322	0	6·2	200	31	8 03	49	8 0240
ENGLAND and WALES																	
6b Isle of Man Point of Ayre	70	40	35	-	0	4	16	292	229	183	0	9·3	240	26	17 15	42	8 0610
2 Durham Durham	339	53	33	-	0	1	2	134	279	305	0	5·5	270	24	17 10	44	17 1005
South Shields	73	57	44	-	0	2	5	247	292	176	0	8·3	250	23	17 11	38	17 1220
Yorks.,E.R. Spurn Head	64	44	34	-	0	2	12	293	341	40	34	9·9	180	28	8 11	38	8 1035
Lincoln Cranwell	288	47	47	-	0	0	0	154	249	317	0	6·1	200	20	8 09	39	9 1255
3 Norfolk Gorleston	52	42	34	≠													
Suffolk Mildenhall	98	83	60	-	0	0	0	119	436	165	0	6·6	200	20	8 13	40	8 1050
Felixstowe	85	75	65	-	0	1	9	306	299	106	0	9·6	210	28	8 11	40	8 0957
Bedford Dunstable	567	55	33	-	0	0	0	114	397	209	0	6·1	200	16	8 09	30	9 1115
Cardington	285	150	135	-	0	2	11	146	300	263	0	6·7	190	26	8 09	41	8 0840
Herts. Stevenage	564	111	65	-	0	1	2	159	372	187	0	7·2	200	23	8 09	40	8 0830
Essex Coryton	66	57	48	-	0	0	0	94	496	130	0	6·8	210	18	8 13	37	8 0830
Shoeburyness	115	104	89	-	0	1	9	246	358	107	0	8·9	220	30	8 13	43	8 1255
4 Yorks.,W.R. Sheffield	533	83	35	-	0	0	0	96	441	183	0	6·4	260	16	29 17	38	29 1340
Leicester Leicester	266	66	45	**													
Warwick Birmingham	643	118	73	-	0	0	0	90	536	94	0	6·6	190	16	8 09	32	8 0830
Stafford Keele	706	50	40	-	0	0	0	28	338	338	16	4·4	190	16	8 07	35	8 1745
Gloucester Avonmouth	92	61	33	-	0	6	20	207	205	288	0	7·4	260	27	8 15	40	9 1310
5 London Kingsway	231	160	40	-	0	0	0	45	427	248	0	5·2	230	16	8 14	26	8 1335
Middlesex Hampton	139	101	100	-	0	0	0	127	401	192	0	6·5	230	20	8 09	37	8 1355
Surrey Kew Observatory	92	75	50	-	1	1	1	193	414	112	0	7·8	220	22	8 13	41	8 0910
Kent Isle of Grain	48	40	33	-	0	0	0	109	294	306	11	5·2	220	21	8 08	37	8 0845
Dungeness	70	50	33	-	0	7	54	358	240	58	10	12·3	220	30	8 14	41	8 1330
Dover	68	38	62	-	0	3	17	278	293	101	31	9·4	210	26	8 12	49	8 1125
Sussex Thorney Island	75	65	42	-	0	0	0	97	352	271	0	5·5	230	19	8 13	38	8 1235
Hants. Southampton (Eastleigh)	95	60	41	-	0	0	0	164	396	160	0	7·1	200	19	8 10	37	8 1130
S. Farnborough	318	69	35	-	0	0	0	24	211	485	0	3·1	280	14	8 18	36	8 0725
Berks. Abingdon	295	40	40	-	0	0	0	129	344	247	0	6·0	190	20	6 15	37	9 1205
Wiltshire Larkhill	491	51	36	-	0	0	0	146	395	179	0	6·7	210	19	8 07	36	8 0640
Porton	406	44	44	-	0	1	5	161	315	239	0	6·7	210	23	8 07	36	8 0640
7a Cumberland Sellafield	83	39	35	-	0	3	22	288	233	175	2	9·1	190	28	8 03	43	8 0650
Westmorland Moor House	1960	50	45	8,17	3	11	129	266	228	67	27	13·4	-	34	17 08	52	8 1455
Lancashire Southport	59	41	33	-	0	6	63	254	247	131	5	10·7	260	32	8 24	41	8 2355
Speke	180	100	65	-	0	4	22	339	289	70	0	10·9	180	29	6 11	42	6 1035
Cheshire Bidston Observatory	262	64	39	-	0	3	24	232	255	203	6	-	270	24	9 02	44	9 0942
Manchester Airport	318	70	30	-	0	2	3	246	351	120	0	8·6	180	22	8 08	46	9 1140
7b Anglesey Holyhead (Valley)	76	50	40	8	1	5	59	296	253	111	0	10·8	200	34	8 04	48	8 0312
8a Cardigan Aberporth	483	41	41	-	0	5	40	294	345	41	0	11·1	190	27	6 10	47	6 0925
Pembroke Kete	249	49	37	-	0	5	29	248	330	77	36	10·1	220	28	8 07	43	8 2130
Milford Haven	246	50	35	-	0	3	5	246	307	162	0	8·4	220	22	6 10	41	6 1005
Glamorgan Port Talbot	91	40	35	-	0	2	11	285	345	79	0	10·1	210	25	8 08	33	8 0730
8b Devon Plymouth	191	88	65	-	0	2	13	160	346	201	0	7·2	-	25	6 10	37	6 1035
Cornwall St. Mary's, Scilly	230	65	57	-	0	8	66	297	282	72	3	11·4	230	27	8 05	44	6 0750
The Lizard	315	75	60	6	1	9	50	287	188	194	0	9·7	210	35	6 11	47	6 1015
NORTHERN IRELAND																	
Londonderry Ballykelly	52	50	35	-	0	2	9	255	288	168	0	8·4	260	28	17 10	47	17 0925
Antrim Aldergrove	281	65	55	-	0	4	20	230	295	175	0	8·7	260	26	8 10	44	8 0945
Nutts Corner	344	31	31	-	-	-	-	-	-	-	-	-	170	24	6 09	36	8 1345
CHANNEL ISLES																	
Jersey Airport	359	86	50	-	0	4	13	369	314	24	0	11·5	280	25	29 18	33	14 0650

≠ Anemograph dismantled for re-erection.
** Record ceased temporarily

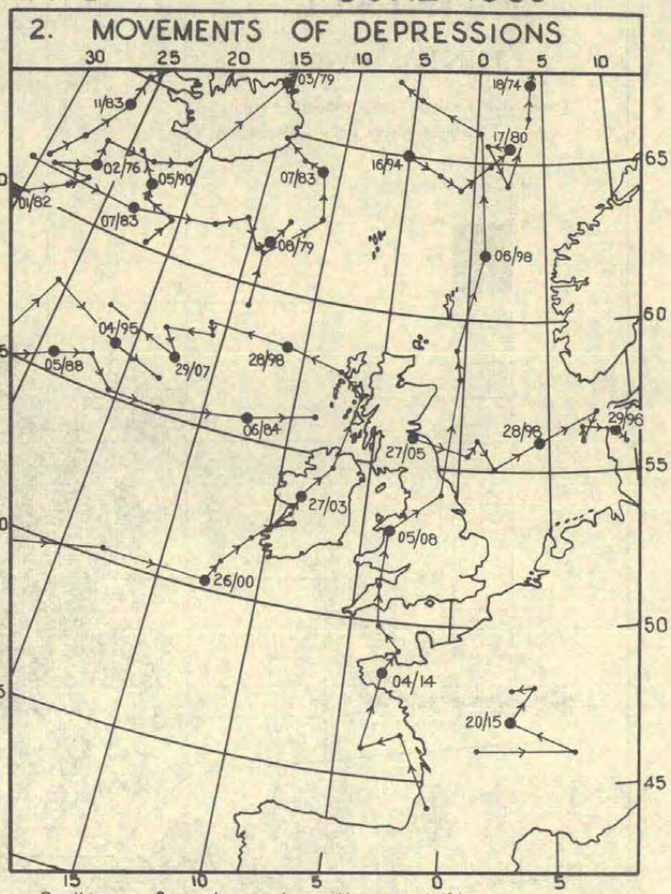
MONTHLY WEATHER CHARTS JUNE 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50



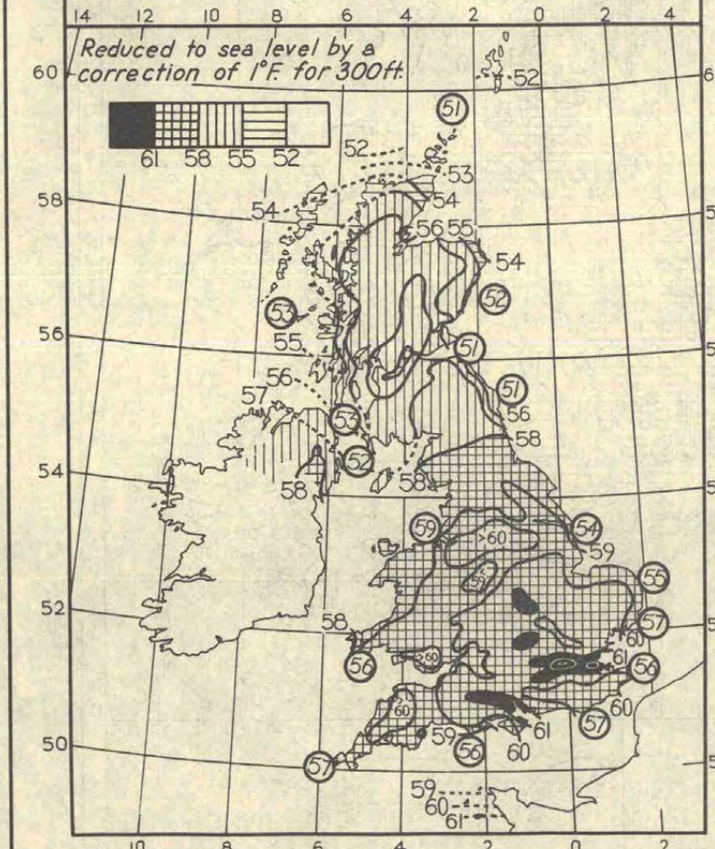
2. MOVEMENTS OF DEPRESSIONS



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

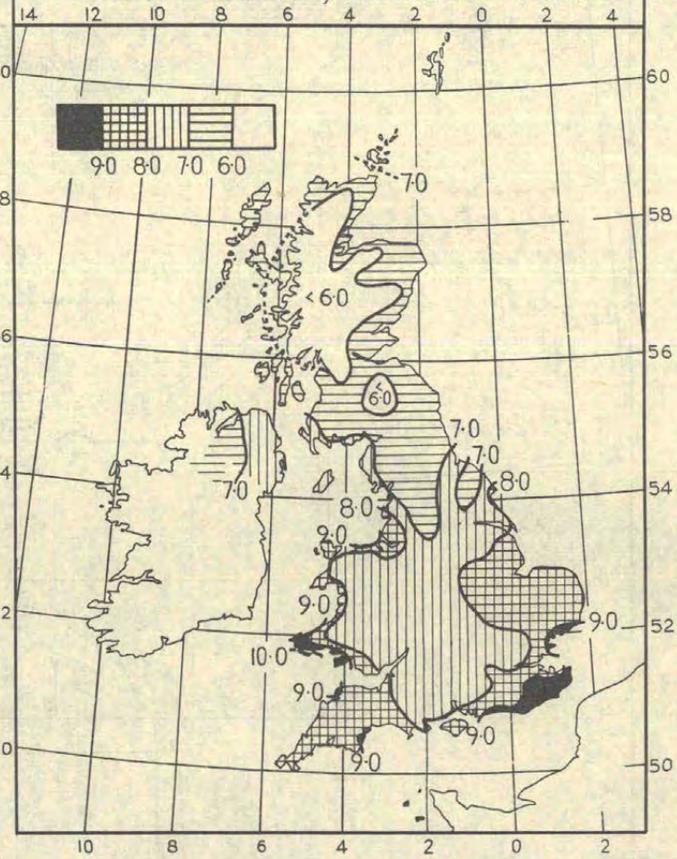
3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY



A.M. Form 1483

C.B.H. 26456-Wt. 44536-Dd. B.K. 2328 - 125 - 9·55

RAINFALL

JUNE 1959

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

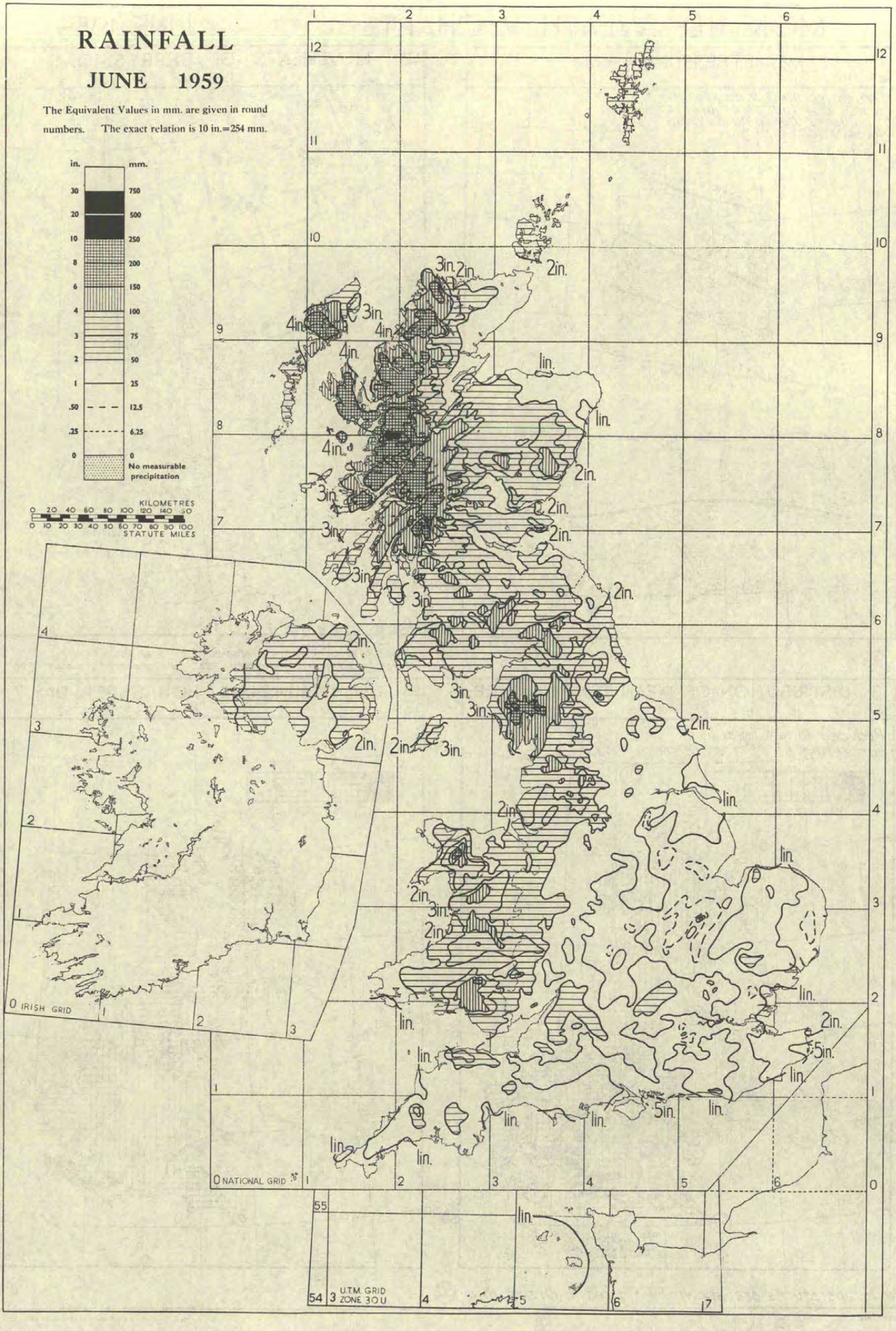


TABLE III —SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	55·5	46·1	50·8	+1·3	66	26	36	20	–	–	2·70	128	·80	5	16	15	0	0	2	1	1	0	1	5	7·89	148
	Baltasound ...	9 9 9	78	56·2	45·9	51·1	–	64	26, 27	37	20	49·7	–	2·76	107	·64	5	19	15	0	0	0	2	0	0	–	4	7·90	–
Orkney	Sule Skerry ...	9 9 9	43	55·3	48·2	51·7	–	60	21,26,27	41	19	–	–	2·95	–	·87	1	14	11	0	0	1	0	2	0	0	0	–	–
	Grimsetter ...	21–9 9	84	57·9	46·7	52·3	–	65	25	38	19,20	–	–	2·50	123	·73	1	14	11	0	0	1	0	0	1	0	1	7·30	–
Caithness	Wick ... ¶§	21–9 9	119	58·7	46·9	52·8	+1·8	73	14	38	11	–	–	1·46	72	·33	5	16	7	0	0	1	1	2	0	1	0	6·84	117
Sutherland	Cape Wrath ...	21–9 9	367	56·7	48·8	52·7	–	74	21	40	17	–	–	4·03	135	1·09	1	14	13	0	0	0	0	3	0	0	3	–	–
	Lairg (Achany) ...	9 9 9	240	63·5	44·9	54·2	–	73	21	35	4	56·0	49·8	2·59	–	·42	28	17	11	–	0	–	–	–	0	8	–	–	–
	Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9 9 9	120	62·4	46·1	54·3	–	74	24	35	20	–	–	1·64	–	·44	1	13	9	0	0	0	0	0	0	–	0	5·99	–
Ross & Cromarty	Stornoway ¶§	21–9 9	11	60·2	47·9	54·1	+1·7	69	25	39	1	–	–	2·93	115	·50	1	17	12	0	0	1	0	0	0	1	0	6·87	125
	Achnashellach ...	9 9 9	220	62·8	46·8	54·8	+1·0	76	21	40	8	–	–	6·70	133	2·01	7	20	16	–	0	–	–	0	0	–	–	–	–
	Kinlochewe ...	9 9 9	76	64·2	48·2	56·2	–	76	21	42	5, 13	–	–	7·92	–	2·05	7	19	18	0	0	1	0	0	0	0	1	4·57	– S
	Garve (Inchbae)	9 9 9	526	62·8	–	–	–	74	13	–	–	–	–	2·56	–	·45	7	13	12	0	0	0	0	–	–	–	0	–	–
	Fortrose ... ¶§	9 9 9	15	61·9	50·2	56·1	+2·4	73	21	44	18, 20	–	–	2·06	115	·80	28	12	10	0	0	1	1	0	0	–	3	6·22	106
	Tarbatness ...	21–9 9	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Inverness	Benbecula ...	21–9 9	19	59·0	50·2	54·6	–	71	24	43	13	–	–	3·53	121	·69	7	19	11	0	0	0	0	0	0	0	0	6·06	–
	Isle of Rhum ...	9 9 9	15	61·6	48·4	55·0	–	73	24	40	5	59·3	54·2	7·28	–	2·92	7	24	18	0	0	1	2	0	0	0	3	–	–
	Duntulm ...	9 9 9	294	59·5	48·2	53·9	–	70	21, 25	41	13	–	–	4·15	124	·89	7	20	15	0	0	1	1	0	0	0	1	6·34	–
	Onich ... §	9 9 9	48	61·4	48·8	55·1	–	73	21	42	14	–	–	6·21	127	1·36	7	23	19	0	0	0	1	0	0	1	1	4·98	105§
	Fort William ¶	9 9 9	34	63·7	49·4	56·5	+1·7	75	21	43	4, 14	55·3	51·9	6·57	145	2·08	7	23	12	0	0	0	1	0	0	0	0	5·39	–
	Fort Augustus ...	9 9 9	70	63·5	49·2	56·3	+2·0	74	20, 21	43	4,14,20	–	–	3·31	–	·79	7	15	10	0	0	0	0	0	0	–	1	5·09	– S
	Cannich	9 9 9	350	65·5	42·2	53·9	–	74	20	30	20	–	–	2·70	–	·67	7	13	9	0	0	0	0	0	1	7	0	–	–
	Dalwhinnie ...	18–9 9	1176	60·6	45·3	52·9	–	71	23	36	11, 14	–	–	3·29	124	1·16	6	14	12	0	0	0	0	0	0	2	0	5·19	–
	Inverness ...	9 9 9	13	63·8	48·9	56·3	–	77	21	40	13	–	–	2·13	–	1·09	28	11	7	0	0	1	0	0	0	0	1	6·44	–
	Kincraig	9 9 9	780	63·6	45·4	54·5	–	74	14, 23	31	19	–	–	2·09	–	·81	28	16	11	–	0	–	–	0	1	5	–	–	–
	Glenmore Lodge	9 9 9	1120	62·4	44·5	53·5	–	74	14	33	11	–	–	2·65	–	1·15	28	16	11	0	0	1	1	0	0	5	0	5·97	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	64·9	48·0	56·5	+2·3	78	21	40	11, 20	–	–	1·87	99	·72	28	11	11	0	0	0	0	0	0	1	1	6·47	114
Moray	Grantown-on-Spey	9 9 9	720	64·8	44·4	54·6	–	77	14	32	11	–	–	2·83	–	·90	27	20	13	–	0	–	–	0	1	1	–	–	–
	Forres	9 9 9	155	64·6	47·7	56·1	–	75	14, 24	40	20	57·9	53·0	2·07	102	·54	23	13	8	0	0	0	1	1	0	0	0	6·01	–
	Kinloss ...	21–9 9	15	64·1	48·1	56·1	–	76	14	41	4,11,20	–	–	2·19	–	·78	23	15	11	0	0	0	1	1	0	1	2	6·64	–
	Findhorn ...	21 21 9	20	63·8	49·6	56·7	–	74	14,21,25	42	20	–	–	1·81	–	·52	23	13	9	0	–	0	1	–	0	0	2	–	–
	Elgin	9 9 9	92	65·0	49·2	57·1	–	75	20, 23	42	11,19,20	–	–	1·44	–	·42	28	14	10	0	0	0	0	0	0	0	0	6·20	–
	Gordon Castle ...	9 9 9	104	65·3	47·4	56·3	+1·6	77	14	39	11,20	–	–	1·53	68	·48	28	13	7	–	0	–	–	–	0	–	0	5·79	101
Banff	Glenlivet	9 9 9	1085	61·6	43·6	52·6	–	75	14	30	11	50·3	–	2·69	106	1·20	28	20	9	0	0	0	0	0	1	3	0	6·20	–
	Banff	9 9 9	80	63·7	47·0	55·3	–	76	14	37	12,13	–	–	1·11	–	·29	5	13	6	0	0	0	2	0	0	0	0	6·87	–
Aberdeen	Braemar	9 9 9	1113	61·6	44·9	53·3	+1·3	75	14	35	5, 11	–	–	2·07	110	·37	27,28	17	12	0	0	0	0	0	0	3	0	5·49	– S
	Balmoral... ...	9 9 9	927	61·9	44·8	53·3	+1·2	76	14	32	19	–	–	1·77	96	·52	28	18	8	0	0	0	0	–	1	1	0	–	–
	Logie Coldstone	9 9 9	608	63·9	45·2	54·5	+0·9	78	14	34	5,11	–	–	2·29	–	·58	27	13	10	0	0	0	0	0	–	0	–	–	–
	Fyvie Castle ...	9 9 9	218	63·6	47·7	55·7	–	79	14	38	11	–	–	1·16	–	·28	5	12	8	0	0	0	0	0	–	0	1	6·32	–
	Craibstone ¶§	9 9 9	300	61·7	47·0	54·3	+1·4	79	14	40	11, 18	55·1	51·1	1·88	92	·65	27	15	7	0	0	0	0	2	0	0	2	6·59	105
	Dyce	21–9 9	190	62·1	47·4	54·7	–	82	14	37	11	–	–	1·81	84	·80	27	15	7	0	0	1	1	0	0	0	0	6·42	–
	Aberdeen ...	9 9 9	170	61·7	48·0	54·9	–	80	14	39	18	–	–	2·28	110	1·05	27	13	8	0	0	2	1	2	0	1	0	5·68	–
	Udny	9 9 9	363	62·4	46·8	54·6	–	79	14	39	11	–	–	·99	–	·28	25	9	6	0	0	0	0	0	–	0	0	5·01	–
	Rattray Head ...	21–9 9	85	58·9	47·7	53·3	–	72	14	40	11	–	–	1·77	98	·39	5	15	10	0	0	0	0	1	0	–	0	6·10	–
Kincardine	Fettercairn ...	9 9 9	560	61·6	45·9	53·7	–	81	14	38	18,19,20	–	–	3·15	–	·88	27	16	11	0	0	0	1	0	0	2	1	5·39	–
	Stonehaven ...	9 9 9	12	62·0	47·2	54·6	–	80	14	37	18	–	–	1·47	77	·47	5	15	8	0	0	1	1	1	0	–	0	6·32	–
	Muchalls ...	9 9 9	210	60·7	47·1	53·9	–	78	14	38	18	–	–	1·68	–	·42	5	14	7	0	0	0	0	2	0	0	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	63·5	48·5	56·0	–	82	14	39	19	57·0	51·6	2·43	–	·81	28	15	12	0	0	0	0	2	1	0	0	6·34	–
	Dundee ... ¶	9 9 9	147	64·8	49·6	57·2	+1·9	83	14	43	18, 19	59·0	–	2·02	102	·46	5	15	12	0	0	0	0	–	0	0	0	–	–
	Glamis Castle ...	9 9 9	200	63·4	46·8	55·1	–	80	14	35	19	–	–	2·30	–	·55	28	18	13	0	0	1	3	1	0	2	2	–	–
	Buddon Ness ...	9 9 9	15	62·7	48·1	55·4	–	80	14	36	11	–	–	2·18	119	·60	5	17	12	0	–	0	2	0	0	–	3	–	–
	Carnoustie ...	9 9 9	29	63·8	49·8	56·8	–	82	14	40	19, 20	61·2	–	2·40	126	·63	28	17	12	0	0	1	1	0	0	0	0	6·83	– S
	Arbroath... ...	9 9 9	95	62·3	48·5	55·4	+1·5	81	14	42	18, 19	–	–	2·39	145	·61	5	14	12	0	0	0	1	1	0	0	0	6·77	97
	Montrose... ...	9 9 9	200	–	48·0	–	–	–	–	39	19	–	–	3·53	195	1·17	27	17	12	0	0	0	1	0	0	–	0	–	–
Perth	Strathyre ...	9 9 9	425	63·2	45·5	54·3	–	74	14	39	15	57·4	53·9	3·67	–	·72	7	16	16	0	0	0	0	0	0	0	3	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	63·5	48·4	55·9	–	75	14	42	19	–	–	2·51	–	·54	6	14	10	0	0	0	1	0	0	0	0	–	–
	Pitlochry ...	9 9 9	473	–	46·7	–	–	–	–	34	19	–	–	1·69	–	·41	28	12	10	0	0	0	0	0	0	1	0	5·62	–
	Pitlochry (Faskally)	9 9 9	310	65·2	48·1	56·7	–	77	21	38	19	59·3	54·0	1·88	–	·37	28	14	10	0	0	1	0	0	0	1	0	–	–
	Perth	9 9 9	77	65·0	49·4	57·2	+0·9	80	14	42	19	–	–	1·72	90	·42	28	16	11	0	0	0	1	0	0	0	0	6·50	100
	Blairgowrie ...	9 9 9	200	65·5	47·3	56·4	–	79	14	33	19	57·7	–	3·84	–	2·41	28	14	12	0	0	0	0	1	0	0	4	–	–
	Glenshee Lodge	9 9 9	1100	61·6	44·7	53·1	–	75	14	31	19	–	–	4·15	–	2·24	28	19	12	0	0	1	2	0	1	1	1	–	–
Fife	Kirkcaldy ...	9 9 9	137	62·4	49·5	55·9	+0·1	79	14	43	10,18	–	–	3·56	171	1·66	28	15	11	0	0	0	2	2	0	0	0	6·51	–
	Cupar	9 9 9	82	64·3	47·3	55·8	–	81	14	38	19	57·4	–	2·24	–	·47	5	16	13	0	0	1	3	1	0	0	0	–	–
	Lundin Links ...	9 9 9	40	62·4	49·3	55·9	–	81	14	42	18	–	–	1·93	–	·42	5	13	11	0	0	0	2	0	0	–	0	6·48	–
	Leuchars... ...	21–9 9	33	62·0	49·6	55·8	+1·0	81	14	41	19	–	–	1·95	115	·45	5	15	11	0	0	0	1	0	0	0	0	6·96	102
	St. Andrews ...	9 9 9	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian	Balerno	9 9 9	700	64·0	46·3	55·1	–	76	14	38	20	–	–	1·60	–	·42	5	16	9	–	0	–	–	–	0	0	–	6·16	–
	Midcalder ...	9 9 9	400	62·7	47·2	54·9	–	75	14	38	19, 20	–	–	2·18	–	·41	4	15	13	0	0	0	0	2	0	0	0	5·99	– S
	Turnhouse ...	21–9 9	114	63·6	48·2	55·9	–	79	14	39	20	–	–	1·74	94	·43	28	14	9	0	0	0	0	1	0	0	1	6·17	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	63·2	48·4	55·8	–	77	14	40	20	–	–	1·70	–	·52	28	12	9	0	0	0	2	1	0	0	0	–	–
	Davidson's Mains	9 9 9	200	63·3	48·8	56·1	–	77	14	42	19, 20	–	–	1·84	–	·57	28	14	10	0	0	0	2	0	0	0	0	5·98	–
	Penicuik ...	9 9 9	620	63·6	47·2	55·4	–	75	14	38	19, 20	56·8	–	1·79	–	·49	28	16	9	0	0	0	0	1	2	0	0	5·73	– S
	Bush House ...	9 9 9	605	61·5	47·2	54·3	–	75	14	38	20,21	56·1	52·1	1·69	–	·33	5	13	11	0	0	0	0	4	0	0	0	5·13	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	63·0	49·3	56·1	+1·2	78	14	43	18	–	–	1·99	106	·65	28	12	10	0	0	0	0	2	0	0	0	6·40	98
	Liberton ...	9 9 9	200	63·7	49·4	56·5	–	78	14	42	11	–	–	2·15	–	·55	28	12	12	0	0	0	0	2	0	–	0	5·34	–
	Botanic Garden	9 9 9	74	64·4	49·3	56·9	–	79	14	41	20	58·3	–	1·93	–	·63	28	12	10	0	0	0	1	1	0	0	0	6·46	–
E. Lothian	Haddington ...	9 9 9	162	64·4	49·7	57·1	–	80	14	43	18, 19	–	–	1·83	–	·37	22	15	11	0	0	1	2	2	0	0	0	6·47	–
	North Berwick ...	9 9 9	51	63·0	49·6	56·3	+1·4	78	14	43	19	–	–	2·22	114	·46	28	19	9	0	0	0	2	3	0	–	0	5·33	80
	Dunbar	9 9 9	75	62·5	50·3	56·4	–	79	14	44	10,19	–	–	1·60	–	·37	28	15	9	0	0	0	0	3	0	0	0	7·42	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1	SCOTLAND, E.—cont.																												
Berwick	Marchmont ¶§	9 9 9	498	63·8	47·8	55·8	+1·3	79	14	40	19	–	–	2·62	130	1·09	28	13	10	0	0	0	2	0	0	–	–	6·77	110 S
	St. Abb's Head ...	9 9 9	245	58·2	49·7	53·9	–	73	14	43	19	–	–	1·25	–	·30	28	11	9	0	0	0	1	2	0	0	1	–	–
Peebles	Broughton ...	9 9 9	741	62·6	46·8	54·7	–	73	14	35	20	–	–	2·70	–	·70	7	19	15	0	0	0	0	0	0	0	0	–	–
	Blyth Bridge ...	9 9 9	830	61·4	47·6	54·5	–	72	14	38	19	–	–	3·02	–	·45	4	17	16	0	0	1	0	2	0	1	0	5·12	– S
	West Linton ...	9 9 9	800	61·2	46·4	53·8	–	74	14	37	19,20	57·4	52·8	2·14	–	·32	5	19	14	0	0	0	3	3	0	0	0	–	–
	Peebles	9 9 9	645	63·0	46·7	54·9	–	74	14	39	19	–	–	2·01	–	·35	28	16	13	0	0	0	1	0	0	–	0	5·82	–
Selkirk	Selkirk (Bowhill)	9 9 9	600	64·3	47·4	55·9	–	75	20	37	20	–	–	2·26	–	·43	28	14	12	0	0	1	5	2	0	–	0	–	–
Roxburgh	Hawick (Wauchope)	9 9 9	560	65·5	46·5	56·0	–	79	14	37	19	–	–	2·94	–	·97	28	12	10	–	0	–	–	0	0	–	–	–	–
	Sourhope ...	9 9 9	900	63·9	46·6	55·3	–	79	14	41	6,10,30	–	–	2·55	–	1·15	28	14	12	0	0	0	3	0	0	0	0	6·16	–
6a	SCOTLAND, W.																												
Argyll	Tiree ... ¶§	21–9 9	29	59·1	50·1	54·6	+1·0	70	24	44	1,4,8	–	–	2·69	96	·90	7	22	14	0	0	1	2	0	0	0	0	6·53	96
	Rhuvaal	21–9 9	47	59·2	50·8	55·0	–	69	23,24	44	5	–	–	2·49	–	·45	6	19	18	0	0	0	0	0	0	0	0	–	–
	Colonsay ...	9 9 9	87	60·8	48·4	54·6	–	70	24	40	4	–	–	3·21	97	·44	25	30	18	–	–	–	–	5	0	–	–	–	–
	Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Loch Shiel (Polloch)	9 9 9	33	61·5	48·2	54·9	–	73	21,23,24	39	14	–	–	5·93	–	1·34	7	23	22	0	0	1	0	0	0	1	0	–	–
	Tarbert (Achaglachgach)	9 9 9	40	62·9	46·7	54·8	–	72	23	38	14	–	–	3·50	–	·71	25	21	16	0	0	0	0	0	0	0	0	–	–
	Lephinmore ...	9 9 9	30	62·5	50·0	56·3	–	71	23	43	4	–	–	3·88	–	·82	6	18	15	0	0	0	0	0	0	0	0	5·24	–
	Glenbranter ...	9 9 9	120	62·3	48·5	55·4	+0·9	72	21	41	18	–	–	5·31	102	1·07	8	19	17	0	0	0	0	0	0	0	0	–	–
	Dunoon Waterworks	9 9 9	228	62·9	49·7	56·3	–	72	21,22	43	19,20	–	–	6·05	–	1·08	7	18	15	–	0	–	–	0	0	0	0	–	–
	Dunoon (Benmore)	9 9 9	46	64·9	43·9	54·4	–	72	10,21	34	20	56·4	54·9	5·08	96	·98	7	18	15	0	0	0	1	0	0	0	0	–	–
Bute	Rothesay ¶§	9 9 9	150	–	49·5	–	–	–	–	44	5,18	56·8	53·6	3·25	94	·80	25	17	11	0	0	0	0	5	0	0	0	6·58	105
	Millport	9 9 9	16	62·3	50·8	56·5	–	70	23,24	46	4,9,20	–	–	3·80	139	·88	25	15	11	0	0	0	0	0	0	–	–	–	–
Dunbarton	Helensburgh ...	9 9 9	293	63·5	48·9	56·2	+0·8	74	14	42	19	–	–	2·58	76	·38	26	18	12	0	0	0	0	0	0	–	1	5·41	91
Stirling	Stirling	9 9 9	151	65·1	50·2	57·7	+1·2	77	14	44	18	60·6	52·4	1·94	87	·41	7	18	12	0	0	0	0	0	0	0	0	–	–
	Falkirk	9 9 9	100	65·0	48·9	56·9	–	78	14	43	18	–	–	2·05	91	(·40)	7	16	11	0	0	0	0	2	0	–	0	–	–
Renfrew	Greenock ...	9 9 9	200	62·8	50·6	56·7	+0·6	72	14,20,21	45	18	–	–	3·61	107	·75	7	18	16	0	0	0	0	0	0	0	0	5·55	–
	Paisley	9 9 9	106	64·6	50·6	57·6	+0·6	76	14	45	18,19	58·5	53·3	3·20	125	·68	25	19	15	0	0	0	0	1	0	0	0	6·24	103
	Barrhead ...	9 9 9	97	63·4	48·7	56·1	–	73	14	40	20	–	–	3·47	–	·69	7	18	16	0	0	1	0	0	0	0	1	–	–
	Renfrew ... ¶§	21–9 9	26	64·6	50·4	57·5	+1·9	75	14	43	19	–	–	2·83	117	·57	26	18	14	0	0	1	0	0	0	0	0	6·00	99
Lanark	Thorntonhall ...	9 9 9	453	62·1	47·4	54·7	–	71	14	39	20	–	–	3·50	–	·81	7	19	16	0	0	0	0	–	0	0	0	–	–
	Glasgow, Spr. Pk.	9 9 9	351	63·8	49·8	56·8	–	75	14	44	18	–	–	2·80	108	·50	25	18	17	0	0	2	0	0	0	0	0	5·42	–
	Coatbridge ...	9 9 9	256	63·2	49·1	56·1	–	75	14	41	20	–	–	2·56	–	·46	7	20	15	0	0	0	0	0	0	–	0	–	–
	Coalburn ...	9 9 9	920	60·9	46·3	53·6	–	71	14	34	20	54·3	–	3·25	–	·55	7	19	18	0	0	0	0	0	0	3	2	6·09	–
	Leadhills ...	9 9 9	1270	61·1	45·6	53·3	–	72	14	35	20	–	–	4·08	–	·75	7	18	15	0	0	0	1	0	0	0	0	–	–
	Carnwath ...	9 9 9	706	61·8	46·6	54·2	–	71	14	35	20	–	–	2·60	–	·34	29	17	14	0	0	0	0	0	0	2	0	–	–
Ayr	Colmonell.. ...	9 9 9	170	62·5	48·6	55·5	+0·5	71	22,24	39	5,20	–	–	2·78	107	·49	25	14	10	–	0	–	–	–	0	0	–	–	–
	Turnberry ...	9 9 9	25	62·8	50·3	56·5	+1·7	72	21	43	20	–	–	2·79	–	·58	25	15	9	–	0	–	–	0	0	–	–	5·98	–
	Largs (Woodbank)	9 9 9	25	64·9	50·6	57·7	–	75	21	44	14	–	–	3·54	119	·63	25	19	14	–	–	–	–	0	0	0	–	–	–
	Barr	9 9 9	400	63·3	47·5	55·4	–	77	24	33	20	–	–	3·12	–	·64	7	17	12	0	0	0	0	0	0	–	0	–	–
	Auchincruive ...	9 9 9	147	63·0	49·6	56·3	–	76	24	40	20	56·6	52·9	3·50	135	1·08	25	16	13	0	0	0	0	0	0	0	0	6·42	–
	Prestwick ...	9 9 9	17	62·8	51·2	57·0	–	75	24	39	20	–	–	3·53	153	1·27	25	16	13	0	0	0	0	0	0	0	0	6·20	–
	Prestwick Airport	21–9 9	30	63·7	50·7	57·2	–	75	24	40	20	–	–	3·22	132	1·12	25	15	13	0	0	0	0	1	0	0	0	6·67	–
	Kilmarnock ...	9 9 9	115	64·5	50·4	57·5	+1·3	74	20	42	20	59·0	56·3	3·44	–	·64	25	15	12	0	0	0	0	0	0	0	0	–	–
Dumfries	Moniaive (Dalmacallan	9 9 9	480	63·1	47·5	55·3	–	74	14	37	19	–	–	3·74	–	·89	7	15	13	–	0	–	–	0	0	2	–	–	–
	Dumfries... ¶§	9 9 9	140	64·4	49·9	57·1	+1·3	75	24	41	19,20	57·4	53·8	3·21	121	·76	7	14	14	0	–	0	1	0	0	1	0	6·48	101
	Ruthwell... ...	9 9 9	95	66·9	47·7	57·3	+1·2	75	14	40	17	–	–	3·43	136	·68	7	15	12	0	–	0	2	–	0	–	0	6·69	113
	Eskdalemuir ¶§	21–9 9	794	62·6	46·2	54·4	+1·4	76	14	32	19	55·5	51·0	3·93	99	·93	7	17	14	0	0	1	3	0	1	1	0	5·80	101
Kirkcud-bright	Bargrennan ...	9 9 9	360	64·1	46·3	55·2	–	75	24	36	20	–	–	3·20	–	·74	7	19	12	0	0	0	0	0	0	1	0	–	–
	Palnure	9 9 9	50	64·6	45·0	54·8	–	75	14	37	20,22,23	–	–	2·84	–	·65	25	16	12	0	0	0	0	0	0	–	1	–	–
	Glenlee	9 9 9	181	65·7	47·7	56·7	–	77	14	35	20	–	–	3·92	–	·84	25	16	15	0	0	0	1	0	0	0	0	–	–
	Carsphairn (Dundeugh)	9 9 9	390	64·3	45·5	54·9	–	73	3,24	32	20	–	–	3·62	–	·93	7	14	11	0	0	0	2	1	1	–	0	–	–
	Glenlochar Barrage	9 9 9	154	64·6	48·8	56·7	–	77	14	38	19	–	–	3·82	–	1·06	7	14	10	–	0	–	–	1	0	–	–	–	–
	Castle Douglas ...	9 9 9	196	64·3	47·5	55·9	–	76	14	36	19,20	57·5	–	3·27	–	·84	7	13	11	–	0	–	–	0	0	3	–	6·90	–
Wigtown	Stranraer (Penwhirn)	9 9 9	546	61·1	47·1	54·1	–	73	24	39	5,19	–	–	3·16	–	·55	7,25	16	13	0	0	0	0	0	0	0	0	7·53	–
	Mull of Galloway	21–9 9	257	61·6	49·6	55·6	–	69	12,13	43	6	–	–	2·48	–	·78	25	16	10	0	0	0	0	2	0	–	2	–	–
6b	ISLE OF MAN																												
Isle of Man	Ronaldsway ...	21–9 9	55	62·2	51·2	56·7	–	72	14	42	20	–	–	1·96	92	·55	25	12	10	0	0	0	3	1	0	0	1	8·84	–
	Douglas	9 9 9	284	62·7	50·8	56·7	+1·6	72	14	45	19	–	–	2·77	99	·65	25	14	11	0	0	0	0	2	0	0	0	9·09	125
	Point of Ayre ...	21–9 9	30	64·6	50·6	57·6	–	72	17	42	19,20	–	–	2·17	113	·92	25	13	11	0	0	0	1	0	0	–	1	8·19	–
2	ENGLAND, N.E.																												
Northum-berland	Kielder Castle ...	9 9 9	660	62·9	45·7	54·3	–	73	14,24	34	20	56·5	–	3·52	118	·76	7	17	14	0	0	0	3	0	0	2	0	–	–
	Bellingham ...	9 9 9	849	62·9	46·2	54·5	+0·7	75	14	38	19	–	–	2·51	115	·50	28	14	12	0	0	0	2	0	0	–	–	–	–
	Allendale Town ...	9 9 9	795	62·6	47·5	55·1	–	74	14	40	14,21	–	–	3·33	–	1·10	28	18	12	0	0	0	0	1	0	0	0	–	–
	Haydon Bridge ...	9 9 9	270	65·0	47·6	56·3	–	75	14	37	3,19,20	57·6	51·8	2·66	–	·54	28	17	12	0	0	0	3	0	0	0	0	5·85	– S
	Berwick-on-Tweed	9 9 9	76	61·4	49·4	55·4	+1·4	79	14	43	19	–	–	1·41	84	·35	5	13	10	0	0	0	2	2	0	0	0	6·21	95
	Cockle Park ¶§	9 9 9	326	63·4	45·9	54·7	+0·4	79	14	35	19	57·8	54·3	1·67	93	·47	28	16	8	0	0	1	6	0	0	0	1	6·46	104 S
	Acklington ...	21–9 9	138	62·7	47·9	55·3	–	82	14	38	20	–	–	2·12	–	·88	28	13	7	0	0	0	5	0	0	0	0	6·48	–
	Tynemouth ...	21–9 9	95	61·6	51·0	56·3	+1·2	78	14	47	10,19	–	–	2·31	132	·75	28	11	10	0	0	0	3	3	0	0	0	6·73	–
Durham	Chopwellwood ...	9 9 9	446	65·4	48·3	56·9	+1·6	77	14	41	14,19	–	–	3·55	174	1·15	22	13	11	0	0	0	5	2	0	0	1	–	–
	Ushaw College ...	9 9 9	594	64·8	48·5	56·7	+1·3	78	14	41	19	–	–	1·29	68	·41	5	14	7	0	0	0	4	6	0	–	0	–	–
	Houghall... ...	9 9 9	160	66·9	47·3	57·1	+1·2	81	14	34	21	–	–	2·50	130	·63	28	15	13	0	0	0	4	0	0	9	0	6·50	108 S
	Durham ... ¶§	9 9 9	336	66·2	48·3	57·3	+1·7	80	14	39	14,20,21	57·3	52·2	2·41	134	·65	27	13	11	0	0	0	5	–	0	1	1	6·16	102
	Gateshead ...	9 9 9	509	63·5	49·9	56·7	–	76	14	44	21	–	–	1·68	–	·47	28	13	11	–	0	–	–	2	0	0	0	6·97	–
	Middleton St. Gge.	21–9 9	115	66·6	49·0	57·8	–	81	14	38	21	–	–	1·70	–	·73	28	13	9	0	0	0	4	0	0	0	0	7·24	–
	West Hartlepool	9 9 9	30	64·9	50·9	57·9	–	80	14	44	14	–	–	1·89	–	1·04	28	12	9	0	0	0	4	0	0	0	0	7·04	–
Yorks., N. Riding	Dishforth ...	21–9 9	106	68·0	49·8	58·9	–	81	24	40	14	–	–	·92	52	·24	28	13	9	0	0	0	3	0	0	0	0	7·79	–
	York ... ¶§	9 9 9	57	68·8	50·9	59·9	+1·8	79	23,24	43	14	60·3	54·9	1·42	77	·69	5	12	8	0	0	0	3	0	0	–	0	6·80	108
	Ampleforth ...	9 9 9	313	65·8	49·0	57·4	–	76	14	41	14	–	–	1·71	80	·68	5	13	7	0	–	0	2	0	0	0	0	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in.(0·2 mm.) or more	·04 in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2	ENGLAND, N.E.—cont.																												
Yorks., N. Riding— cont.	Redcar	9 9 9	25	64·1	50·1	57·1	–	72	14	42	14, 21	–	–	2·07	118	·80	28	12	9	0	0	0	3	0	0	–	0	7·15	–
	Whitby	9 9 9	135	64·9	50·1	57·5	–	78	14	40	21	–	–	1·18	65	·37	28	11	7	0	0	0	2	1	0	0	0	6·80	–
	Scarborough ¶§	9 9 9	118	65·0	51·5	58·3	+1·3	72	3,17	48	16, 19	–	–	2·25	132	1·37	28	8	6	0	0	0	2	1	0	0	0	7·36	114
	Silpho Moor ...	9 9 9	665	64·0	48·2	56·1	–	76	14, 23	43	10	55·7	–	1·78	–	·84	28	12	8	–	0	–	–	–	0	0	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	65·4	47·5	56·5	–	77	24	41	10,14,21	56·7	–	1·92	–	·87	5	11	8	0	0	0	2	0	0	0	0	6·66	–
	Driffield	21-9 9	69	67·1	48·6	57·9	–	80	23	38	3	–	–	1·55	–	·54	5	13	5	0	0	0	4	0	0	1	0	7·74	–
	Hull	9 9 9	8	68·1	51·4	59·7	+1·6	78	23	46	14, 19	59·7	52·0	1·18	69	·51	5	11	6	0	0	0	2	0	0	0	0	7·22	116
	Filey	9 9 9	122	63·4	48·9	56·1	–	72	23	41	3, 19	–	–	2·70	–	1·61	28	10	7	0	0	0	3	0	0	0	0	7·75	–
	Bridlington ...	9 9 9	157	63·5	48·7	56·1	–	72	16,17	43	2,10,19	–	–	1·27	–	·48	28	9	6	0	0	0	2	0	0	0	0	8·12	–
	Spurn Head ...	21-9 9	29	63·2	53·0	58·1	+1·4	74	17	48	9	–	–	1·22	–	·59	5	9	5	0	0	1	3	0	0	–	0	7·78	117
Lincoln	Gunby	9 9 9	443	68·6	48.6	58·6	–	81	24	38	19	–	–	·69	–	·30	25	10	6	–	0	–	–	0	0	–	–	–	–
	Waddington ...	21-9 9	224	68·7	50·6	59·7	–	80	24	43	21	–	–	·53	–	·19	27	11	4	0	0	0	3	0	0	0	0	8·48	–
	Lincoln	9 9 9	22	69·8	47·6	58·7	–	82	24	33	19	59·0	55·1	·73	–	·25	5	10	4	0	0	0	4	0	0	2	0	7·95	–
	Cranwell ... ¶§	9 9 9	205	69·3	49·6	59·5	+2·0	81	24	43	19, 20	61·0	58·0	·51	32	·16	27	11	4	0	0	0	3	0	0	0	0	7·89	117 S
	Horncastle ...	9 9 9	205	69·7	49·2	59·5	–	81	17,23,24	41	14	59·9	53·8	·78	–	·23	5,27	8	6	0	0	0	3	0	0	0	0	–	–
	Cleethorpes ...	9 9 9	23	66·7	51·8	59·3	–	80	17	46	2,10,17	–	–	1·72	–	·94	5	10	8	0	0	1	1	0	0	0	0	7·97	–
	Manby	21-9 9	55	67·7	49·1	58·4	–	81	23	41	19	–	–	1·14	–	·39	27	9	7	0	0	0	4	0	0	0	0	8·24	–
	Skegness	9 9 9	15	66·6	52·0	59·3	+2·5	81	17	43	2	–	–	·78	51	·29	21	11	4	0	0	0	2	0	0	0	0	8·48	123
3	ENGLAND, E.																												
Norfolk	Terrington St. Clement ...	9 9 9	13	69·9	48.6	59·3	–	81	24	39	2	57·5	–	·81	54	·32	21	7	4	0	0	0	3	0	0	0	0	8·36	–
	Marham	21-9 9	76	69·9	49·4	59·7	–	82	24	38	2	–	–	1·22	–	·42	5	10	6	0	0	1	3	0	0	0	0	–	–
	Santon Downham	9 9 9	80	71·0	44·7	57·9	–	83	17,24	30	13	57·9	53·2	1·24	–	·39	27	8	7	–	0	–	–	–	4	9	–	–	–
	West Raynham ...	21-9 9	250	68·2	49·5	58·9	–	80	17,24	40	2	–	–	1·01	–	·28	5	10	7	0	0	2	1	0	0	0	0	–	–
	Cromer	9 9 9	178	66·7	51·2	58·9	+1·1	82	5, 17	44	13, 16	–	–	·76	52	·28	5	7	5	0	0	0	2	0	0	0	0	8·13	119
	Sprowston ¶§	9 9 9	93	69·4	50·1	59·7	+2·0	82	17	35	13	–	–	·87	50	·33	9	10	6	0	0	1	2	–	0	5	0	8·48	126
	Burlingham ...	9 9 9	89	68·8	50·2	59·5	–	81	17	39	13	–	–	·98	58	·40	5	8	4	0	0	0	2	0	0	0	0	8·10	–
	Gorleston ¶§	21-9 9	5	64·9	52·3	58·6	+1·3	82	17	43	13	60·4	55·8	·59	35	·19	9	6	5	0	0	0	3	0	0	0	0	8·16	116
Suffolk	Mildenhall ...	21-9 9	15	71·0	50·6	60·8	–	83	17,24	41	13	–	–	1·00	67	·24	27	9	9	0	0	1	4	0	0	0	0	8·78	–
	East Bergholt ...	9 9 9	14	71·1	47·9	59·5	–	83	24	35	13	–	–	1·05	–	·39	26	8	7	0	0	0	1	0	0	1	0	–	–
	Felixstowe ...	21-9 9	10	66·8	54·0	60·4	+1·6	73	23,24,28	45	13	–	–	·81	61	·38	26	9	6	0	0	0	3	0	0	0	0	9·33	123
	Lowestoft ...	9 9 9	82	67·3	50·7	59·0	+1·5	79	17	40	18	61·2	56·7	·41	26	·11	8	7	4	0	0	0	2	0	0	0	0	8·62	122
Cambridge	Boxworth ...	9 9 9	157	70·3	49·5	59·9	–	82	24	42	11,19,20	–	–	1·29	86	·49	9	8	5	0	0	1	2	0	0	0	0	8·20	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	72.1	49·3	60·7	+1·9	84	24	40	2	62·0	57·0	1·91	130	1·08	26	9	4	0	0	1	3	0	0	0	–	8·41	123
Huntingdon	Wyton	21-9 9	129	70·5	50·9	60·7	–	81	24	44	2,11,21	–	–	·49	–	·17	9	9	5	0	0	0	3	0	0	0	0	–	–
Bedford	Woburn	9 9 9	291	68·9	48·5	58·7	+1·2	80	24	38	19	63·2	54·6	·99	58	·33	9	13	7	0	0	1	3	0	0	0	0	7·40	112
	Harrold	9 9 9	150	71·0	47·4	59·2	–	84	24	37	2	58·7	53·5	·67	–	·12	24	10	6	0	0	0	2	0	0	5	–	–	–
	Dunstable ...	21-9 9	516	68·5	49·0	58·7	–	80	24	42	9,11	59·2	53·6	1·38	–	·49	25	12	8	0	0	0	5	0	0	0	0	7·76	–
	Goldington ...	9 9 9	107	71·2	50·5	60·9	–	84	24	42	2	–	–	·64	–	·15	24	10	8	0	0	0	2	0	0	0	0	–	–
	Luton	9 9 9	379	69·4	49·4	59·4	+1·7	79	17,24	40	2	61·6	–	1·09	70	·23	25	9	8	–	0	–	–	0	0	0	0	7·57	111
	Silsoe	9 9 9	195	69·9	48.2	59·1	–	81	24	39	19	60·8	54·5	·88	56	·35	27	10	5	0	0	0	2	0	0	1	0	8·02	–
	Cardington ...	21-9 9	93	71·3	47·8	59·5	–	84	24	38	11, 19	–	–	·76	54	·19	28	11	8	0	0	0	3	0	0	0	0	8·30	–
Hertford	Bovingdon ...	21-9 9	516	68·5	49·3	58·9	–	78	17	42	2, 9,13	–	–	1·59	–	·54	28	13	8	0	0	1	4	0	0	1	0	–	–
	Garston	9 9 9	263	70·2	49·6	59·9	–	82	24	39	13	–	–	1·55	–	·48	1	14	10	0	0	2	3	0	0	0	0	7·30	–
	Rothamsted ¶§	9 9 9	420	69·3	48·6	58·9	+1·5	80	24	41	2	59·2	52·8	1·07	63	·41	25	13	7	0	0	0	4	0	0	0	0	7·77	113
	St. Albans ...	9 9 9	272	70·0	48·7	59·3	+1·4	80	17,24	38	13	60·0	–	·78	49	·32	1	13	7	0	0	0	0	0	0	0	0	–	–
	Bayfordbury ...	9 9 9	221	70·0	48·1	59·1	–	82	24	35	13	–	–	1·26	79	·32	1	11	6	0	0	0	3	0	0	0	0	7·23	– S
	Stanstead Abbotts	9 9 9	97	70·9	47·3	59·1	–	82	24	34	13	61·3	58·1	1·92	–	·63	29	12	7	–	0	–	–	0	0	0	–	–	–
	Eastwick Lodge ...	9 9 9	137	70·1	47·4	58·7	–	82	24	35	13	–	–	1·12	72	·43	29	11	6	–	0	–	–	0	0	–	–	–	–
Essex	Stansted ...	9 9 9	330	70·1	49·7	59·9	–	83	24	41	13	–	–	·69	–	·15	26	10	6	0	0	0	3	0	0	1	0	–	–
	Saffron Walden	9 9 9	295	70·2	48·9	59·5	–	81	24	38	13	59·6	53·1	·65	–	·24	27	10	5	0	0	0	3	0	0	2	0	–	–
	Writtle	9 9 9	105	70·2	47·6	58·9	–	81	17,24	34	13	–	–	·63	43	·20	29	7	5	0	0	2	5	0	0	0	2	7·52	–
	Coryton	9 9 9	9	70·0	52·0	61·0	–	81	17	42	13	63·1	58·5	·74	–	·25	26	6	6	0	0	0	3	1	0	0	0	–	–
	Southend ...	9 9 9	90	71·0	52·4	61·7	–	84	17	46	13, 16	–	–	1·22	93	·45	9	9	6	0	0	1	5	0	0	0	0	8·53	113
	Maldon	9 9 9	14	70·9	50·3	60·6	–	83	24	40	13	–	–	·73	–	·17	26	10	7	0	–	0	2	0	0	–	0	8·68	–
	Earls Colne ...	9 9 9	160	71·1	48·9	60·0	–	83	24	35	13	60·9	56·9	1·03	66	·65	26	6	5	–	0	–	–	0	0	1	–	–	–
	Shoeburyness ¶§	21-9 9	11	68·2	52·7	60·5	+1·5	79	17	41	13	–	–	1·24	107	·53	26	7	7	0	0	1	5	0	0	1	0	9·07	119
	Clacton	9 9 9	53	(66.1)	52·9	(59·5)	–	73	16,22,23	44	11, 16	61·7	57·2	1·33	99	·67	26	9	6	0	0	0	3	0	0	0	0	9·58	127
	Walton-on-Naze	9 9 9	35	66·8	51·9	59·3	–	76	22	42	16,19	–	–	·83	–	·29	26	9	8	0	0	1	3	0	0	0	0	9·63	–
	Dovercourt ...	9 9 9	11	67·9	49·2	58·5	–	78	22	39	16	–	–	·90	–	·51	26	7	6	–	–	–	–	0	0	2	0	9·09	–
4	MIDLAND COUNTIES																												
Yorks., W. Riding	Slaidburn ...	9 9 9	629	64·8	48·6	56·7	–	75	12	39	14	–	–	4·63	–	·96	24	17	12	0	0	0	1	0	0	0	0	6·36	–
	Malham Tarn ...	9 9 9	1297	62·0	46·6	54·3	–	71	24	41	10, 18	53·7	–	2·47	–	·33	25	16	14	0	0	0	2	0	0	5	0	–	–
	Bingley	9 9 9	610	64·4	48·7	56·5	–	75	24	42	3	–	–	2·06	98	·70	27	13	10	0	0	0	4	0	0	0	0	–	–
	Huddersfield §	9 9 9	325	67·5	50·3	58·9	+1·7	78	24	41	14, 19	58·5	54·2	1·32	–	·41	27	13	10	–	0	–	–	1	0	0	–	6·91	119
	,, (Oakes)	21-9 9	762	67·2	48·8	58·0	+2·1	79	23	42	19	58·2	52·7	1·63	72	·33	27	15	11	0	0	0	4	1	0	0	1	7·24	–
	Bradford ¶	9 9 9	439	65·5	50·3	57·9	+1·6	76	24	42	14	57·6	53·5	2·06	102	·87	27	12	10	0	0	0	3	0	0	0	0	–	–
	Ilkley	9 9 9	315	69·0	49·5	59·3	+2·7	80	14	41	14	–	–	1·03	46	·23	8	10	10	0	0	0	3	0	0	–	0	6·65	111
	Sheffield	9 9 9	429	68·0	51·7	59·9	+2·2	80	24	46	14, 21	59·0	53·7	1·20	64	·29	5,25	12	8	0	0	0	4	–	0	0	0	7·59	123
	Wakefield ...	9 9 9	121	70·0	50·0	60·0	+1·9	82	14	41	14	58·2	53·5	1·59	98	·64	27	11	7	0	0	0	1	0	0	2	0	–	–
	Killinghall ...	9 9 9	365	66·2	48·4	57·3	–	77	14, 24	39	14, 20	58·0	–	1·29	–	·33	5	10	7	0	0	1	2	0	0	2	0	7·65	–
	Pontefract ...	9 9 9	255	67·1	50·1	58·6	+1·8	79	24	43	21	–	–	2·04	126	·81	27	12	7	0	0	0	3	0	0	0	0	7·27	–
	Bramham ...	9 9 9	177	67·3	48·4	57·9	–	78	24	39	20, 21	–	–	1·47	–	·34	5	12	8	0	0	0	5	0	0	0	0	7·41	–
	Cawood	9 9 9	20	68·0	48·4	58·2	–	79	24	38	14, 19	61·1	56·6	1·31	72	·65	5	10	7	0	0	0	3	0	0	0	0	7·23	–
	Askham Bryan ...	9 9 9	90	68·7	48·1	58·4	–	80	24	40	19	–	–	2·38	124	·82	5	14	9	0	0	0	6	0	0	0	0	7·22	–
Derby	Buxton	9 9 9	1007	63·8	48·3	56·1	+1·9	75	24	37	19	58·1	55·0	1·57	50	·44	8	15	12	0	0	0	2	1	0	0	0	–	–
	Chapel en le Frith	9 9 9	728	65·6	48·6	57·1	–	77	24	36	19	–	–	2·89	–	·99	27	16	12	0	0	0	2	0	0	2	0	–	–
	Wirksworth ...	9 9 9	565	65·2	49·0	57·1	–	81	24	40	6	–	–	·99	–	·41	24	11	7	0	0	1	4	0	0	0	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Train	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	69·3	51·1	60·2	–	82	24	41	19	–	–	·80	–	·22	24	11	7	0	0	0	0	0	0	0	0	7·82	–
Morley	9 9 9	350	68·3	49·5	58·9	–	80	24	39	19	–	–	1·14	–	·46	24	12	7	0	0	0	3	–	0	1	0	7·88	–
Chesterfield ...	9 9 9	298	68·2	49·1	58·7	–	80	24	40	19	–	–	1·09	–	·35	27	12	8	0	0	0	5	0	0	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	69·0	49·4	59·2	+1·6	82	24	37	19	59·1	55·6	·76	52	·20	5	11	7	0	0	0	1	0	0	3	0	8·22	130
Watnall ...	21–9 9	385	69·1	49·7	59·4	–	83	24	43	14,17,19	–	–	·68	40	·12	9	10	6	0	0	1	6	0	0	2	0	8·03	–
Mansfield ...	9 9 9	357	67·6	50·2	58·9	+1·4	77	17	41	21	–	–	·95	58	·18	21	12	8	0	0	0	0	0	0	1	0	–	–
Nottingham ¶§	9 9 9	192	69·0	51·8	60·4	+2·0	81	24	44	11, 19	60·5	56·8	1·16	79	·45	27	10	8	0	0	0	4	0	0	0	0	7·44	124
Warsop	9 9 9	150	69·1	46·4	57·7	–	80	24	32	19,20	–	–	1·32	88	·49	26	13	8	0	0	0	2	0	2	2	0	7·78	–
Finningley ...	21–9 9	34	70·1	50·4	60·3	–	82	24	40	19	–	–	·37	–	·07	21	9	5	0	0	0	4	0	0	0	0	7·86	–
Langar	21–9 9	106	69·3	49·4	59·3	–	81	24	38	19	–	–	1·16	–	·37	5	13	8	0	0	0	4	0	0	1	0	–	–
Leicester Leicester (Towers)	9 9 9	267	71·0	51·0	61·0	–	83	17,24	43	14,19,21	60·6	54·9	–	–	–	–	–	–	–	–	–	2	0	0	0	0	8·26	–
Caldecott ...	9 9 9	175	70·5	46·5	58·5	–	82	24	34	19	–	–	·43	–	·22	9	10	3	0	0	0	2	0	0	0	0	7·93	–
Northampton Wellingborough	9 9 9	298	71·2	49·8	60·5	–	84	24	41	19	–	–	·48	–	·10	26	10	7	0	0	0	3	0	0	–	0	–	–
Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	71·2	48·5	59·9	–	83	24	39	19	61·9	54·1	·51	34	·11	27	11	7	0	0	0	2	0	0	0	0	–	–
Wittering ...	21–9 9	216	69·8	50·0	59·9	–	81	17, 24	42	2	–	–	·53	–	·16	9	9	6	0	0	1	3	0	0	0	0	8·45	–
Warwick Birmingham ¶§	21–9 9	536	67·2	51·7	59·5	+1·7	78	17, 24	46	9, 10	55·2	52·1	·93	49	·21	28	14	9	0	0	0	2	0	0	0	0	7·30	120
Luddington ...	9 9 9	138	69·9	49·9	59·9	–	81	17, 24	40	11, 19	–	–	·73	46	·19	29	11	6	0	0	0	1	0	0	0	0	6·89	–
Stratford on Avon	9 9 9	160	70·1	48·9	59·5	–	81	17, 24	38	19	62·8	–	·82	–	·24	5	11	7	0	0	0	1	0	0	0	0	7·13	–
Elmdon	21–9 9	319	68·5	49·6	59·1	–	80	24	40	3, 19	–	–	·61	37	·24	28	10	4	0	0	0	3	0	0	3	0	7·79	–
Shipston on Stour	9 9 9	365	68·7	50·5	59·6	–	79	24	43	2, 11	60·6	–	·62	–	·19	29	15	4	0	0	0	2	0	0	0	–	7·45	–
Wellesbourne ...	9 9 9	153	69·4	49·2	59·3	–	81	24	39	19	61·4	57·3	·48	29	·14	5	12	5	0	0	0	1	0	0	0	0	7·27	–
Moreton Morrell	9 9 9	280	69·5	50·0	59·7	–	79	17, 24	40	19	–	–	·63	–	·12	25	12	6	0	0	1	1	0	0	0	0	7·52	–
Coventry... ...	9 9 9	338	67·8	50·3	59·1	+0·7	77	17	40	2	59·7	54·4	·83	48	·27	5	13	6	0	0	3	3	0	0	–	0	7·10	118 S
Rugby	9 9 9	385	68·9	50·6	59·7	–	79	17, 24	42	19	61·7	57·2	·38	–	·09	5	11	4	0	0	0	1	1	–	0	0	7·69	–
Oxford Oxford ... ¶§	9 9 9	208	69·9	51·6	60·7	+1·6	79	24	45	2, 11	62·8	57·9	·99	59	·32	28	10	7	0	0	0	2	0	0	0	0	7·54	113
Buckingham Aylesbury ...	9 9 9	316	70·5	49·3	59·9	–	80	24	41	2, 19	–	–	2·46	–	1·00	25	12	10	0	0	1	5	0	0	1	0	7·91	–
Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	65·0	49·4	57·2	–	77	24	43	19	58·5	53·3	1·22	55	·34	25	14	11	0	0	0	2	0	0	0	0	7·67	–
Oaken	9 9 9	409	68·3	48·6	58·5	–	79	24	38	19	57·6	–	1·88	–	·33	5,27	10	8	–	–	–	–	0	1	–	–	–	–
Wheaton Aston ...	9 9 9	365	66·6	48·4	57·5	–	78	24	33	19	58·4	–	1·59	–	·34	25,28	13	11	0	0	0	2	0	0	1	0	7·43	–
Stone	9 9 9	350	66·8	48·1	57·5	–	80	24	35	19	–	–	1·00	–	·15	25,27	15	10	0	0	0	2	0	0	3	0	7·59	–
Penkridge ...	9 9 9	330	67·0	47·9	57·5	–	78	24	36	19	–	–	1·19	–	·19	5	14	9	0	0	0	1	0	0	1	0	–	–
Onecote	9 9 9	1350	62·3	46·9	54·6	–	74	24	42	11, 21	54·3	51·9	1·75	–	·41	24	13	12	0	0	0	–	–	0	0	0	5·55	–
Shropshire Oswestry... ...	9 9 9	570	65·4	49·4	57·4	–	75	24	42	14	–	–	2·67	–	·73	22	14	13	0	0	0	1	0	0	0	0	7·36	– S
Shrewsbury ...	9 9 9	184	67·8	50·2	59·0	–	77	24	39	19	62·0	59·2	2·00	116	·35	22,25	16	11	0	0	0	1	0	0	0	0	7·20	–
Shawbury ...	21–9 9	235	66·5	48·8	57·7	–	77	24	36	19	–	–	2·43	142	·60	28	14	12	0	0	0	2	0	0	1	0	7·89	–
Newport ...	9 9 9	211	67·8	47·9	57·9	–	80	24	34	19	–	–	1·72	99	·29	29	16	11	0	0	0	4	0	0	0	0	7·42	–
Worcester Malvern	9 9 9	203	69·0	51·9	60·5	+1·5	78	17	45	2,11,19	62·9	55·4	1·21	66	·38	26	13	7	0	0	2	2	0	0	0	0	7·48	108
Worcester (Redhill)	9 9 9	190	69·0	50·4	59·7	–	78	17	42	11, 19	–	–	·80	53	·21	24	10	7	0	0	0	0	0	0	0	0	7·43	–
Droitwich ...	9 9 9	106	68·3	50·9	59·6	–	78	17	42	19	–	–	1·30	–	·39	25	13	5	0	0	0	1	0	0	–	0	6·54	–
Pershore (Institute of Horticulture)	9 9 9	130	68·9	51·4	60·1	–	79	17	44	11, 19	–	–	·98	–	·27	24	13	8	0	0	0	1	0	0	1	1	7·31	–
Pershore	21–9 9	110	69·2	50·5	59·9	–	79	17	41	19	–	–	1·47	–	·38	25	12	7	0	0	0	3	0	0	0	0	7·68	–
Halesowen ...	9 9 9	505	67·4	49·4	58·4	–	78	24	37	19	59·7	54·0	1·35	–	·38	24	14	12	0	0	0	1	0	0	1	0	7·21	–
Hereford Lyonshall ...	9 9 9	510	67·2	49·4	58·3	–	76	17	39	19	–	–	3·28	–	1·81	25	14	11	0	0	0	1	–	0	0	–	–	–
Ross-on-Wye ¶§	21–9 9	223	68·3	50·9	59·6	+1·1	77	17	43	3, 19	61·0	56·9	·75	50	·12	24	14	7	0	0	0	3	0	0	0	0	7·50	111
Preston Wynne ...	9 9 9	274	67·6	48·2	57·9	–	76	17	38	19	–	–	1·02	–	·47	25	12	7	0	0	0	3	0	0	1	0	8·06	–
Gloucester Bristol (Filton) ...	21–9 9	192	67·2	52·2	59·7	–	76	13	45	3	–	–	2·64	143	1·61	25	15	11	0	0	1	3	0	0	0	0	7·23	–
Ruscombe ...	9 9 9	610	67·0	49·3	58·1	–	75	13	42	2,10	–	–	2·13	110	1·19	25	16	8	0	0	0	4	0	0	–	0	–	–
Cirencester ...	9 9 9	443	67·4	48·9	58·1	–	74	17, 24	40	2	–	–	1·57	75	·55	25	11	7	0	0	0	2	0	0	3	–	7·44	–
Little Rissington	21–9 9	740	66·3	50·5	58·4	–	75	17	43	9	–	–	·82	44	·20	25	13	8	0	0	0	3	0	0	0	0	7·18	–
5 ENGLAND, S.E.																												
London Kensington ...	9 9 9	81	72·2	53·5	62·9	+1·9	82	17	45	13	62·3	57·4	1·16	62	·48	24	11	7	0	0	1	3	0	0	0	0	–	–
Hampstead ...	9 9 9	450	69·5	51·6	60·5	+2·0	79	17, 24	44	11	–	–	1·40	76	·33	28	12	8	0	–	2	6	–	0	0	0	7·77	111
Westminster ...	9 9 9	27	71·4	53·8	62·6	+1·5	83	24	45	13	–	–	1·31	78	·55	24	9	7	0	–	1	3	–	0	0	–	–	–
Regent's Park ...	9 9 9	129	71·9	53·1	62·5	–	82	24	44	13	–	–	1·49	–	·44	24	9	7	–	0	–	–	0	0	0	–	7·64	112
Camden Square ...	9 9 9	121	71·3	53·4	62·3	+0·7	81	24	47	13	65·1	60·9	1·74	96	·54	24	10	8	0	0	0	2	–	0	0	–	–	–
Kingsway ...	—	—																									7·36	–
Bunhill Row ...	—	—																									7·72	115
Greenwich (Maritime Museum)	9 9 9	24	71·6	51·3	61·5	–	82	24	41	13	–	–	·86	55	·30	9	11	7	0	0	1	5	0	0	–	0	7·17	–
Middlesex London Airport	21–9 9	82	71·7	52·1	61·9	–	82	24	43	13	–	–	·64	42	·29	24	10	4	0	0	0	3	0	0	0	0	7·72	–
Hampton ...	9 9 9	39	71·2	52·7	61·9	–	81	24	40	13	–	–	·97	–	·37	29	10	8	0	0	0	1	3	0	0	0	8·14	–
Wealdstone ...	9 9 9	175	71·6	50·5	61·1	+1·5	82	17, 24	40	13	63·9	53·7	1·16	61	·27	29	12	6	0	0	0	3	0	0	0	0	7·59	–
Southgate ...	9 9 9	221	71·0	50·9	60·9	–	83	17	41	2	60·6	–	·73	–	·16	9	11	8	0	0	1	3	0	0	0	0	7·28	– S
Surrey Farnham... ...	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wisley	9 9 9	150	71·2	49·7	60·5	+1·2	81	17	37	13	61·6	56·6	·49	29	·14	29	12	5	0	0	1	2	0	0	1	0	7·28	105
Great Bookham	9 9 9	466	69·2	49·6	59·4	–	78	17	(42)	(20)	(59·9)	–	·73	–	·17	1	11	7	0	0	–	–	0	0	–	0	–	–
Mickleham ...	9 9 9	179	71·0	46·7	58·9	–	79	17,18	37	3, 4	–	–	·51	30	·15	1	10	8	0	0	0	4	0	0	–	0	–	–
Kew Observatory ¶§	21–9 9	18	70·4	53·5	61·9	+2·0	79	17,24	43	13	62.2	57·0	·60	35	·10	4	10	7	0	0	0	4	0	0	1	0	7·99	114
Gatwick	21–9 9	194	70·6	47·4	59·0	–	79	24	35	13	–	–	·97	–	·22	4	13	6	0	0	0	4	0	0	0	0	7·91	–
Croydon (Waddon)	9 9 9	220	70·5	50·2	60·3	+0·8	80	17	41	3	–	–	·73	46	·27	9	9	5	–	–	–	–	–	0	–	–	–	–
Addington ...	9 9 9	474	69·9	50·9	60·4	+2·0	79	17	44	13	–	–	1·01	58	·39	9	12	7	–	–	–	–	0	0	–	–	–	–
Kent Bromley	9 9 9	213	70·8	51·4	61·1	+1·1	81	24	40	13	–	–	·91	58	·31	9	9	6	0	0	0	1	0	0	–	0	–	–
Swanley	9 9 9	177	70·3	47·7	59·0	–	80	17, 24	34	13	59·4	57·2	1·07	–	·21	29	11	7	0	0	0	1	0	0	2	0	7·47	–
Dartford	9 9 9	17	71·1	49·9	60·5	–	82	24	41	11, 16	–	–	·86	–	·26	9	8	6	0	0	0	3	0	0	–	0	–	–
Tunbridge Wells	9 9 9	351	69·6	48·5	59·1	+0·7	82	24	37	13	62·0	58·2	·85	49	·16	4	11	9	0	0	0	3	0	0	0	0	8·52	113
West Malling ...	21–9 9	304	69·9	49·3	59·6	–	80	24	41	3	–	–	·91	57	·28	9	10	7	0	0	1	5	0	0	0	0	8·85	–
Goudhurst ...	9 9 9	290	69·6	46·7	58·1	–	79	24	34	13	–	–	·90	51	·23	9	11	6	0	0	1	3	0	0	2	0	–	–
East Malling ¶§	9 9 9	122	70·7	48·1	59·4	+1·2	80	24	36	13	–	56·8	·98	61	·17	29	11	8	0	0	1	4	0	0	0	0	8·65	119

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max., Min., Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5 ENGLAND, S.E.—cont.																												
Kent—cont. Gillingham ...	9 9 9	14	72·3	51·8	62·1	–	82	2	42	2,13	–	–	·69	–	·22	29	7	7	0	0	0	1	0	0	–	0	8·26	–
Sittingbourne ...	9 9 9	224	68·7	49·8	59·3	–	79	22	38	13	62·1	56·8	1·34	–	·24	9	9	9	0	0	0	3	1	0	0	0	9·24	–
Isle of Grain ...	9 9 9	9	69·9	54·2	62·1	–	80	22	47	11	–	–	·50	–	·15	9	10	4	0	0	0	3	0	0	0	0	8·52	–
Throwley ...	9 9 9	493	68·1	48·7	58·4	–	78	24	40	13	61·2	54·8	1·21	–	·33	4	9	9	0	0	0	4	0	0	0	1	9·48	–
Faversham ...	9 9 9	157	69·0	49·6	59·3	–	80	22	36	13	60·1	56·1	1·32	–	·33	29	9	7	0	0	1	6	0	0	0	0	8·90	–
Dungeness ...	21–9 9	10	65·2	51·7	58·5	–	72	25	41	13,16	–	–	·88	67	·37	9	7	4	0	0	0	5	0	0	–	0	–	–
Wye	9 9 9	185	69·1	49·1	59·1	+0·8	79	22,24	39	16	–	–	1·29	80	·35	9	8	7	0	0	1	5	0	0	0	0	9·09	124
Whitstable ...	9 9 9	9	69·0	51·8	60·4	–	79	17,22	42	2,13,15	–	–	1·57	121	·59	28	8	6	0	0	0	3	0	0	–	0	8·32	–
Folkestone ...	9 9 9	128	66·6	53·6	60·1	–	73	21	46	9	–	57·2	1·05	75	·39	29	8	6	0	0	0	0	0	0	0	0	9·40	–
Wingham (Elmstone)	9 9 9	28	70·2	48·9	59·5	–	81	22	38	13	–	–	1·90	–	1·20	26	9	5	0	0	1	5	0	0	0	0	–	–
Herne Bay ...	9 9 9	21	69·5	53·7	61·6	–	80	17	47	3,9,15	–	–	1·79	134	·66	26	9	8	0	0	0	3	0	0	–	0	8·67	–
Dover	9 9 9	19	66·3	53·4	59·9	+1·6	75	24	45	11	63·4	59·3	1·06	66	·33	29	7	6	0	0	0	3	0	0	0	0	8·88	– S
Ramsgate ...	9 9 9	80	65·8	54·5	60·1	–	72	23	47	9	–	–	1·34	94	·74	26	7	5	0	0	2	4	0	0	–	–	9·06	120
Margate	9 9 9	51	66·4	55·1	60·7	+1·6	77	5,17,22	48	9	–	57·5	2·80	226	1·99	26	9	4	0	0	1	5	0	0	0	0	9·36	119
Sussex Thorney Island ...	21–9 9	10	69·0	52·2	60·6	–	79	24	40	3	–	–	·58	–	·21	29	8	4	0	0	0	2	0	0	0	0	8·32	–
Bognor Regis ...	9 9 9	24	65·9	52·6	59·3	+0·7	72	24	41	11	–	57·8	·77	51	·42	29	6	6	0	0	0	2	0	0	0	1	8·50	110
Fernhurst ...	9 9 9	188	69·7	48·2	58·9	–	79	24	36	13	62·0	–	·81	–	·15	24,29	9	7	0	0	1	5	0	0	0	0	7·51	–
Littlehampton ...	9 9 9	15	67·0	52·7	59·9	+1·3	75	15,24	45	11,13	–	59·0	·44	28	·09	26	7	6	0	0	0	1	0	0	–	0	9·08	114
Worthing ...	9 9 9	25	67·1	53·5	60·3	+1·2	73	15,21,24	47	3,10,13	61·3	56·9	·82	54	·18	26	9	7	0	0	1	3	0	0	0	0	9·08	112
Brighton ...	9 9 9	32	67·2	53·6	60·4	–	76	24	45	3	–	59·5	1·35	88	·56	29	7	6	0	0	1	3	0	0	0	0	9·27	–
East Grinstead ...	9 9 9	440	70·7	47·9	59·0	–	83	24	36	13	–	55·9	1·01	–	·23	4	11	9	0	0	1	2	0	0	1	0	–	–
Seaford	9 9 9	45	66·3	51·5	58·9	–	79	24	40	13	–	–	1·06	65	·34	29	7	6	–	–	–	–	0	0	–	–	9·08	–
Eastbourne ...	9 9 9	35	65·9	53·3	59·1	+0·5	73	23,25	41	13	62·6	57·7	·91	56	·18	9	9	8	0	0	0	1	0	0	0	–	9·87	121
Eastbourne (C/guard)	21–9 9	17	66·6	52·7	59·7	–	75	24	44	3	–	–	·93	–	·18	4,9	8	7	0	0	0	2	0	0	0	–	–	–
Hankham ...	9 9 9	68	68·5	49·5	59·0	–	81	24	40	13	59·2	55·7	·77	–	·15	8,26	9	6	0	0	0	4	0	0	4	0	9·63	–
Bexhill	9 9 9	14	65·8	52·8	59·3	+0·7	75	24	44	13	62·5	–	·50	33	·14	8	9	4	0	0	0	2	0	0	0	0	9·20	–
Sedlescombe ...	9 9 9	175	68·1	49·7	58·9	–	80	24	40	16	–	–	·44	–	·11	8	6	6	0	0	0	4	0	0	1	0	–	–
Bodiam	9 9 9	73	69·8	46·5	58·1	–	80	24	33	13	61·3	55·7	·80	–	·34	9	9	6	0	0	1	4	0	0	3	–	8·81	–
Hastings ¶§	9 9 9	149	66·8	52·8	59·8	+1·2	77	24	45	13,16	64·7	59·2	·56	36	·12	4	7	6	0	0	1	4	0	0	0	0	9·51	120
Berkshire Abingdon ...	21–9 9	210	70·1	50·3	60·2	–	78	17,24	41	2,11	–	–	·77	52	·27	25	11	7	0	0	0	2	0	0	0	0	7·69	–
Woolhampton ...	9 9 9	370	70·5	49·8	60·1	–	78	17,24,29	41	11	62·4	–	1·45	91	·51	24	14	10	0	0	1	2	0	0	0	0	–	–
Shinfield	9 9 9	200	70·2	49·7	59·9	+1·0	79	17,24,25	40	2,13	–	–	1·28	–	·48	25	12	6	0	0	1	5	0	0	0	0	7·94	–
Reading ... *	9 9 9	148	71·3	51·1	61·2	+1·3	81	24	42	2	63·3	58·8	1·50	93	1·00	25	11	7	–	–	–	–	0	0	0	–	7·69	–
Finchampstead ...	9 9 9	212	70·4	47·9	59·1	–	80	24	36	13	61·2	56·7	·65	–	·27	24	11	6	0	0	1	3	0	0	2	0	7·62	–
Wokingham ...	9 9 9	200	70·5	48·6	59·5	–	79	17,24	36	13	61·2	56·2	·70	–	·24	29	10	6	0	0	0	4	0	0	–	0	–	–
Hurley	9 9 9	140	70·7	49·3	60·0	–	80	17	39	11,13	64·0	–	·99	–	·41	25	11	8	0	0	1	4	0	0	0	0	7·67	–
Hampshire Bournemouth ...	9 9 9	130	67·0	51·3	59·1	-0·2	76	15	42	3	60·9	57·4	1·70	109	·54	24	11	9	0	0	1	2	0	0	0	0	7·96	104
Christchurch ...	9 9 9	9	68·2	50·3	59·3	–	77	15	36	13	–	–	1·20	–	·34	24	11	10	0	0	1	2	0	0	2	0	–	–
Ringwood ...	9 9 9	250	69·5	49·7	59·6	–	77	13,25	42	2	61·8	56·7	1·31	–	·34	26	13	8	0	0	1	2	0	0	0	0	–	–
Everton (Efford)	9 9 9	51	67·5	51·2	59·3	–	77	15	40	3	–	–	·60	–	·19	26	9	6	0	0	0	2	0	0	0	0	8·02	–
Southampton ¶§	9 9 9	65	71·3	52·0	61·7	+1·9	80	25	44	3	63·1	–	·96	55	·17	9,26	14	7	0	0	1	1	0	0	0	0	7·75	104
Leckford... ...	9 9 9	385	68·8	48·8	58·8	–	77	17	40	3	59·9	–	·88	48	·16	3	12	7	–	–	1	0	0	0	–	–	–	–
Winchester ...	9 9 9	124	70·8	49·1	59·9	–	78	25	36	3	–	53·3	·92	50	·22	26	10	7	0	0	1	3	0	0	0	0	7·42	–
Martyr Worthy ...	9 9 9	275	69·5	48·2	58·9	–	77	24	38	3,11	–	–	1·04	–	·23	26	12	9	0	0	0	2	0	0	0	0	7·16	–
Southsea ...	9 9 9	7	68·2	55·3	61·7	+1·2	76	25	48	13	63·3	58·5	·47	33	·16	29	6	4	0	0	1	2	0	0	0	0	8·20	103
Hayling Island ...	9 9 9	13	67·8	53·2	60·5	–	76	25	44	3, 13	–	–	·26	–	·09	26	8	2	0	0	1	2	0	0	–	0	8·68	–
Long Sutton ...	9 9 9	512	70·3	49·6	59·9	+1·6	79	17	41	2	62·8	–	1·02	59	·33	24	9	7	0	0	0	4	0	0	1	0	7·75	108
Alice Holt Lodge	9 9 9	378	69·8	49·0	59·4	–	78	24	37	13	–	–	1·49	87	·84	24	8	5	0	0	0	4	0	0	2	0	6·73	–
S. Farnborough ...	21–9 9	226	70·7	50·3	60·5	+1·5	80	17	37	13	–	–	·88	54	·34	29	10	4	0	0	0	3	0	0	2	0	7·23	99
Blackbushe ...	21–9 9	325	70·3	50·7	60·5	–	79	24	42	11	–	–	·84	–	·32	24	10	4	0	0	0	4	0	0	0	0	–	–
I. of Wight St. Catherine's Pt.	9 9 9	51	64·7	54·2	59·5	+2·2	71	25	49	3	–	–	·36	26	·09	8,28	8	4	0	0	0	2	1	0	–	0	–	–
Ventnor Park ...	9 9 9	443	65·0	53·4	59·2	–	73	24	47	11	61·5	56·2	·60	39	·12	28	8	6	0	0	0	0	0	0	0	0	8·33	–
Shanklin	9 9 9	180	65·4	52·3	58·7	–	75	25,26	42	3	–	–	·67	–	·19	26	11	5	0	0	0	0	0	0	–	0	9·04	–
Sandown ...	9 9 9	13	68·0	53·5	60·7	+1·4	75	15,25,26	45	3	–	–	·59	41	·13	26	9	6	0	0	0	0	0	0	–	–	8·70	103
Ryde	9 9 9	15	68·1	54·4	61·3	+1·5	76	15	45	3	–	–	·52	37	·14	26	10	7	0	0	0	2	0	0	–	0	7·57	93
Wiltshire Lacock (Lackham)	9 9 9	160	68·0	48·5	58·3	–	76	25	40	3	–	–	1·08	–	·23	24	13	11	0	0	0	0	0	0	–	0	–	–
West Lavington	9 9 9	305	70·3	48·3	59·3	–	77	25	40	2,3	–	–	·90	48	·14	24	14	10	0	0	0	2	0	0	–	0	–	–
Lyneham ...	21–9 9	457	67·6	49·8	58·7	–	75	17,25	41	22	–	–	2·81	153	1·17	25	16	11	0	0	0	4	0	0	0	0	7·36	–
Larkhill	9 9 9	431	68·7	49·3	59·0	+1·5	77	25	41	2	–	–	·69	42	·12	26	14	6	0	0	1	3	0	0	2	0	–	–
Boscombe Down	21–9 9	414	68·8	49·9	59·3	–	78	17	43	2,3,11	–	–	·67	41	·16	26	14	8	0	0	0	3	0	0	0	0	7·57	–
Upavon	21–9 9	578	67·9	49·7	58·8	–	76	25	41	2,3,9	–	–	1·24	–	·59	25	12	10	0	0	0	2	0	0	0	0	–	–
Porton ... ¶§	9 9 9	362	68·9	47·9	58·4	+0·9	77	25	40	3,11	–	–	·74	43	·18	26	13	8	0	0	1	2	0	0	3	0	7·44	101
7a ENGLAND, N.W.																												
Cumberland Sellafield ...	9 9 9	43	64·5	51·9	58·2	–	74	13,24	42	20	–	–	2·89	109	·51	7	17	16	–	0	–	–	0	0	0	–	7·48	–
Silloth	21–9 9	25	63·5	50·5	57·0	–	74	24	41	20	–	–	3·69	152	·94	25	14	11	0	0	1	3	0	0	0	0	7·00	–
Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Newton Rigg ...	9 9 9	560	64·4	48·5	56·5	+1·2	75	14	43	14,20,22	–	–	3·77	174	·56	26	17	15	–	0	–	–	0	0	0	–	6·55	104
Westmorland Ambleside ...	9 9 9	151	65·8	49·7	57·7	–	77	24	39	19,21	–	–	6·19	163	1·83	7	15	14	0	0	0	1	0	0	–	0	6·01	–
Moor House ...	9 9 9	1840	58·4	42·8	50·6	–	69	14	34	19,21	50·8	–	4·05	–	·54	4	18	16	0	0	0	4	3	0	5	0	6·02	–
Lancashire Barrow-in-Furness	9 9 9	55	63·6	52·2	57·4	–	75	24	46	19	–	–	5·22	–	1·00	7	16	13	0	0	0	1	1	0	–	0	–	–
Squires Gate ...	21–9 9	33	64·4	51·7	58·1	–	76	21,24	40	20	–	–	3·15	143	·94	4	13	10	0	0	0	1	0	0	0	0	8·76	–
Urswick	9 9 9	130	66·1	50·2	58·1	–	78	24	41	2	–	–	4·04	–	1·03	7	16	12	0	0	0	1	0	0	–	0	–	–
Poulton-le-Fylde	9 9 9	38	64·5	51·7	58·1	–	75	24	43	14	–	–	3·32	–	·92	4	16	11	0	0	0	1	0	0	–	0	–	–
Speke	21–9 9	80	66·6	53·1	59·9	–	79	24	45	3,19	–	–	2·44	–	·49	4	13	10	0	0	0	2	0	0	0	0	8·22	–
Kirkham ...	9 9 9	77	65·4	50·7	58·1	–	79	24	42	19	–	–	3·04	122	·93	4	15	13	0	0	0	1	0	0	0	0	8·13	–
Garstang ...	9 9 9	68	64·4	50·8	57·6	–	74	24	42	14	–	–	3·64	–	·87	7	14	12	0	0	0	0	0	0	0	0	7·16	–
Morecambe ...	9 9 9	24	65·2	53·3	59·3	+1·8	76	20	48	6	–	–	4·24	171	1·06	4	15	13	0	0	0	0	0	0	–	0	6·90	95
Preston (Moor Pk.)	9 9 9	108	65·4	51·2	58·3	–	77	24	40	19	–	–	3·30	124	·55	7	17	13	0	0	0	1	3	0	0	0	–	–
Bolton	9 9 9	352	65·7	49·6	57·7	+0·6	79	24	39	19	57·5	54·0	2·48	–	·39	22	16	13	0	0	0	0	0	0	0	0	7·42	125

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER NUMBER OF DAYS										BRIGHT SUNSHINE	
				Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum						Total Fall	Percentage of Average	Most in a day		Precip'n										Daily Mean	Percentage of Average
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft.	4 ft.			Amount	Date	·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale		
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																												
Lancashire— cont.	Darwen	9 9 9	724	65·3	48·2	56·7	+0·5	77	24	43	3, 14	58·6	–	3·53	107	·62	7	15	14	0	0	0	0	0	0	0	0	–	–
	Stonyhurst ¶§	9 9 9	377	64·8	50·6	57·7	+1·3	76	24	44	14	–	–	3·40	111	·76	24	14	13	0	0	0	2	0	0	0	0	7·23	114
	Helmshore ...	9 9 9	854	63·6	49·2	56·4	–	76	24	42	3, 19	57·1	–	3·99	–	·99	24	15	13	0	0	0	1	1	0	0	0	6·79	–
	Burnley	9 9 9	458	66·0	49·8	57·9	+2·1	77	24	39	19	58·1	53·6	3·47	130	·79	27	14	13	0	0	0	2	0	0	2	0	–	–
	Nelson	9 9 9	540	64·4	49·9	57·1	–	76	24	40	19	58·5	52·6	3·10	112	·74	24	14	13	–	0	–	1	0	0	0	–	6·46	–
	Rochdale ...	9 9 9	362	66·4	48·6	57·5	–	78	24	37	19	–	–	4·42	–	1·48	27	15	12	0	0	0	3	0	0	0	0	6·94	–
Cheshire	West Kirby Park	9 9 9	17	65·9	52·7	59·3	–	80	24	43	19	–	–	2·26	–	·94	4	12	7	–	0	–	–	–	0	0	–	9·08	–
	Bidston Obs'y. ¶§	9 9 9	198	64·4	52·5	58·5	+1·3	77	24	47	19	–	–	2·93	148	·75	4,22	12	8	0	–	0	0	0	0	0	0	8·68	124
	Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Northwich(Winnington)	9 9 9	65	68·7	52·7	60·7	–	81	24	43	19	–	–	2·68	125	·54	22	14	13	0	0	0	2	0	0	0	0	–	–
	Manchester Airport ¶§	21–9 9	248	68·0	50·7	59·3	+2·9	81	24	42	19	–	–	2·03	87	·50	27	13	12	0	0	0	3	0	0	0	0	7·86	135
	Macclesfield ...	9 9 9	500	66·8	50·7	58·7	+1·6	81	24	42	19	–	–	1·64	61	·45	24	15	12	0	0	0	1	0	0	–	0	–	–
7b	NORTH WALES																												
Flint	Rhyl	9 9 9	31	65·1	52·4	58·7	+1·5	75	21	41	19	–	–	1·94	116	1·15	4	11	7	0	0	0	2	0	0	0	0	8·96	125
	St. Asaph ...	9 9 9	75	66·5	50·3	58·4	–	78	24	40	19	–	–	2·20	–	1·10	4	11	8	–	–	–	–	0	0	–	–	–	–
	Prestatyn ...	9 9 9	12	64·9	52·1	58·5	–	75	21	44	14, 19	–	–	1·70	89	·94	4	14	6	0	0	0	1	1	0	–	2	7·77	–
	Hawarden Bridge	9 9 9	17	68·1	51·2	59·7	+1·9	79	24	39	19	–	–	2·32	128	·64	4	11	8	0	0	0	2	0	0	–	0	–	–
Anglesey	Holyhead (Valley)	21–9 9	26	64·4	51·9	58·1	+2·2	75	21	44	16	–	–	1·61	81	·56	24	13	7	0	0	0	2	0	0	0	1	8·78	119
Denbigh	Colwyn Bay ...	9 9 9	118	65·1	53·4	59·3	+2·0	74	21	47	21	–	–	1·42	76	·42	25	12	8	0	0	0	2	–	0	–	0	8·97	129
	Alwen	9 9 9	1100	63·1	45·4	54·3	–	73	24	30	19	–	–	2·26	–	·84	4	15	10	–	–	–	–	–	1	2	–	–	–
	Bwlchgwyn ...	9 9 9	1267																										
	Ruabon	9 9 9	312	67·2	50·5	58·9	–	77	24	40	3,19	–	–	2·40	–	·67	4	14	12	0	0	0	2	0	0	0	0	7·85	–
	Wrexham ...	9 9 9	275	67·6	50·7	59·1	–	78	24	38	19	59·9	56·1	1·95	–	·50	4	14	9	0	0	0	0	1	0	0	0	–	–
Caernarvon	Bryn Adda ...	9 9 9	275	64·4	51·4	57·9	–	75	21	46	1,16,19	–	–	2·30	–	·57	7	12	9	0	0	0	3	0	0	0	0	7·59	–
	Aber	9 9 9	60	65·5	52·0	58·7	+1·8	76	21	45	19	–	–	2·13	80	·52	7	17	10	0	0	0	1	0	0	–	0	7·91	120
	Llandudno ¶§	9 9 9	13	64·4	52·6	58·5	+1·3	76	21	45	19	–	–	1·03	58	·26	4	11	9	0	0	0	1	0	0	–	1	9·05	127
Merioneth	Harlech	21–9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Blaenau Ffestiniog	9 9 9	750	63·5	49·5	56·5	–	74	24	42	16	–	–	4·01	–	1·02	7	15	12	0	0	0	1	0	0	–	0	5·73	–
	Corwen	9 9 9	473	65·4	46·8	56·1	–	75	24	33	19	–	–	1·38	–	·66	4	13	10	0	0	0	1	–	0	1	–	–	–
Montgomery	Lake Vyrnwy ...	9 9 9	995	63·7	48·0	55·9	–	73	24	39	19	–	–	3·62	99	·92	4	14	13	0	0	0	2	0	0	0	0	–	–
8a	SOUTH WALES																												
Cardigan	Aberporth ...	21–9 9	376	62·9	51·5	57·2	–	75	21	46	3, 19	–	–	1·37	66	·45	4	9	7	0	0	0	2	0	0	0	0	9·48	–
	Aberystwyth ...	9 9 9	12	64·1	52·7	58·4	–	76	21	43	20	–	–	2·40	–	·52	4	12	10	0	0	0	2	0	0	–	0	8·35	127
	,, P.B.S.*	9 9 9	452	63·4	50·9	57·1	–	75	21	42	19	–	–	2·55	–	·71	4	11	10	0	0	0	2	1	0	0	0	8·46	131
	Gogerddan ...	9 9 9	103	65·4	50·3	57·9	–	77	21	38	19	–	–	2·65	101	·76	4	12	10	0	0	0	1	0	0	0	0	8·11	–
	Swyddffynnon ...	9 9 9	540	65·0	47·8	56·4	–	74	21	35	16, 19	–	–	2·47	–	·92	24	11	7	0	0	0	2	0	0	0	0	–	–
	Trawscoed ...	9 9 9	200	66·2	48·1	57·1	–	75	21, 24	35	19	–	–	2·86	99	·61	24	12	10	0	0	0	2	1	0	2	0	6·47	–
	Llety-evan-hen ...	9 9 9	950	62·4	48·3	55·3	–	72	21	42	2, 16	–	–	3·40	–	·61	4	16	13	0	0	0	1	3	0	2	0	7·48	–
Pembroke	Dale Fort ...	9 9 9	109	65·0	52·7	58·9	–	72	14	48	1	–	–	·83	–	·28	26	10	5	0	0	0	0	0	0	0	1	10·34	–
	Brawdy	9 9 9	360	62·6	50·8	56·7	–	72	20, 21	44	3	–	–	1·28	–	·28	4	11	8	0	0	0	0	0	0	0	1	9·29	–
	Milford Haven ...	9 9 9	179	64·9	51·7	58·3	–	73	14, 20	46	16	–	–	1·22	–	·35	26	12	6	0	0	0	0	0	0	–	0	10·04	–
	Haverfordwest ...	9 9 9	131	66·1	50·9	58·5	+2·1	73	21	44	3, 19	–	–	1·73	75	·35	7	11	10	0	0	0	0	0	0	–	0	–	–
Radnor	Llandrindod Wells ¶§	9 9 9	772	66·4	47·9	57·1	+1·6	74	17	36	19	–	–	4·37	182	2·38	25	14	12	0	0	0	1	0	0	–	0	7·23	117
Brecknock	Llwynon ...	9 9 9	860	65·0	47·3	56·1	–	74	12	40	2,3,19	–	–	2·89	–	·78	28	14	12	0	0	0	1	0	0	–	0	–	–
Glamorgan	Mumbles Head ...	21–9 9	117	64·1	52·4	58·3	–	71	13	48	1,10,17	–	–	–	–	–	–	–	–	0	0	0	1	2	0	0	1	–	–
	Swansea	9 9 9	27	67·1	54·1	60·6	+1·2	75	13	48	10	66·8	61·1	3·85	160	2·22	24	15	8	0	0	0	2	0	0	0	0	9·07	131
	Port Talbot ...	9 9 9	24	67·2	52·7	59·9	–	76	24	42	19	–	–	2·74	–	·69	24	15	11	0	0	0	1	0	0	0	–	6·96	– S
	Neath	9 9 9	153	67·1	53·2	60·1	–	76	13	45	3	–	–	4·59	–	2·45	24	14	11	0	0	0	1	0	0	0	0	–	–
	Rhoose	21–9 9	220	66·1	51·5	58·8	–	75	13	40	19	–	–	1·74	93	·32	4	14	12	0	0	0	2	0	0	0	0	8·13	–
	Cardiff ... ¶§	9 9 9	202	67·7	52·3	60·0	+1·5	76	13	45	10, 19	62·5	57·0	1·97	86	·40	29	16	12	0	–	0	2	0	0	0	–	7·15	99
Monmouth	Tredegar ...	9 9 9	1028	65·1	48·8	56·9	–	73	13	40	3	–	–	2·68	–	·52	22	15	14	0	0	1	2	2	0	0	0	7·44	– S
	Newport	9 9 9	75	68·3	50·6	59·5	–	76	13	42	10	–	–	1·55	70	·40	7	15	12	0	0	0	1	0	0	–	0	7·58	–
	Usk	9 9 9	70	67·4	48·6	58·0	–	76	25	38	19	63·0	–	1·63	79	·34	24	13	10	0	0	0	2	0	0	0	0	7·23	–
	Crumbland Plantation	9 9 9	804	65·3	49·8	57·5	–	73	13, 25	43	10	60·4	56·5	1·46	–	·27	6	16	13	0	0	0	1	0	0	0	0	7·88	–
8b	ENGLAND, S.W.																												
Somerset	Hawkridge (Liscombe)	9 9 9	1030	62·9	48·5	55·7	–	71	24	39	3	–	–	2·82	–	·42	4	14	14	–	0	–	–	2	0	1	–	–	–
	Bickenhall ...	9 9 9	231	68·7	49·7	59·2	–	78	17	39	3	(60·1)	(55·3)	·77	–	·18	25	13	6	0	0	0	2	0	0	0	0	(8·47)	–
	Cannington ...	9 9 9	95	68·4	52·5	60·5	–	76	13,24,25	43	2, 3	–	–	·65	40	·28	25	12	5	0	0	0	2	0	0	0	0	8·77	–
	Weston-s.-Mare ...	9 9 9	28	67·5	53·5	60·5	–	76	24	47	3, 19	–	–	1·16	65	·27	24	14	9	0	0	0	3	0	0	0	0	8·25	117
	Long Ashton ...	9 9 9	162	67·5	51·2	59·3	+0·7	76	13	44	19	61·8	–	1·74	82	·50	25	15	11	0	0	0	2	0	0	0	0	6·95	98
	Bath ... ¶§	9 9 9	67	68·9	51·8	60·3	+0·8	76	13	42	3	62·8	58·1	1·73	98	·77	25	14	13	0	0	1	3	0	0	0	–	7·59	109
Dorset	Portland Bill ...	21–9 9	35	62·6	54·4	58·5	+1·5	74	15	47	3	–	–	·57	43	·22	26	9	6	0	0	0	0	3	0	–	0	–	–
	Weymouth ...	9 9 9	16	67·9	53·3	60·6	+1·5	75	15	43	3	–	–	·79	54	·24	4	10	6	0	0	0	0	0	0	–	0	8·75	112
	Shaftesbury ...	9 9 9	680	66·8	50·6	58·7	+1·6	75	24	43	9	–	–	·77	41	·25	24	8	7	–	0	–	–	0	0	–	–	–	–
	Swanage	9 9 9	37	65·4	52·2	58·8	–	75	15	42	3	–	57·1	1·95	–	1·02	24	12	8	0	–	0	2	1	0	0	1	8·04	–
	Poole	9 9 9	18	69·8	50·1	59·9	–	79	15	40	3	–	–	1·73	–	·50	24	11	9	0	0	0	2	0	0	–	0	8·04	–
Devon	Hartland Pt. ...	21–9 9	298	61·6	53·5	57·5	–	74	21	47	1	–	–	1·00	–	·27	28	12	7	0	0	0	1	2	0	0	0	8·75	–
	Plymouth (Mt. Batten)	21–9 9	87	65·6	52·9	59·3	+1·3	75	15	43	3	–	–	1·36	68	·46	26	11	8	0	0	0	0	0	0	0	0	8·68	116
	Plymouth (The Hoe)	9 9 9	119	66·3	53·0	59·7	+0·8	75	15	44	3	61·8	57·9	1·44	72	·44	26	10	8	0	0	0	0	0	0	0	0	8·52	113
	Tavistock ...	9 9 9	457	67·8	50·2	59·0	+1·4	76	13, 17	40	2	–	59·4	1·85	–	·66	26	13	11	–	0	–	–	0	0	–	–	–	–
	Chivenor ...	21–9 9	20	67·0	52·9	59·9	–	77	20	45	2	–	–	1·11	–	·43	4	12	9	0	0	0	1	0	0	0	0	9·44	–
	Ilfracombe ...	9 9 9	25	63·7	55·0	59·3	+1·2	75	21	50	1	64·1	59·2	1·76	92	·47	4	12	9	0	0	0	1	0	0	0	0	8·91	119
	Princetown ...	9 9 9	1359	62·1	48·8	55·5	–	70	13,15,19	42	3, 6	–	–	2·57	57	·62	6	14	13	0	0	0	0	4	0	0	0	–	–
	**Totnes	9 9 9	120	67·9	49·1	58·5	–	77	15	36	3	61·8	55·7	1·70	75	·35	7	11	8	0	0	0	0	1	0	3	0	8·43	–
	†Newton Abbot ...	9 9 9	272	67·1	50·7	58·9	+0·7	76	17, 25	41	3	–	–	1·57	83	·35	25	13	8	0	0	0	0	0	0	0	0	9·02	129 S
	Paignton... ...	9 9 9	8	66·8	52·9	59·9	–	76	25	44	3	–	–	1·27	64	·26	26	11	8	0	0	0	1	0	0	0	0	8·86	116
	Torquay	9 9 9	26	66·4	53·4	59·9	+0·8	75	17, 25	46	2, 3	–	59·5	1·22	69	·18	23	11	9	0	0	0	0	1	0	0	0	8·97	115
	Teignmouth ¶§	9 9 9	20	67·4	54·1	60·7	+1·3	75	15, 25	44	3	–	–	·99	59	·19	26	11	9	0	0	1	1	0	0	0	0	8·73	114

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JUNE 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n .01in.(0·2mm.) or more	.04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																												
Devon—cont. Starcross... ...	9 9 9	29	66·6	50·7	58·7	–	75	15, 25	41	3	–	–	1·48	–	·70	25	13	8	–	0	–	–	1	0	0	–	8·33	–
Exmouth ...	9 9 9	195	66·0	51·9	58·9	+1·1	75	15	46	3,11,19	–	–	1·00	56	·22	25	11	9	0	0	0	2	1	0	–	0	8·66	120
Exeter	21–9 9	106	67·9	50·8	59·3	–	75	13,17,25	41	2	–	–	1·11	65	·38	25	12	8	0	0	1	2	0	0	0	0	8·63	–
Uffculme... ...	9 9 9	400	66·6	49·4	58·0	–	74	24	41	2, 3	–	–	1·49	–	·35	25	14	10	–	0	–	–	0	0	–	–	7·92	–
Sidmouth ...	9 9 9	25	65·8	52·6	59·2	+1·2	75	15	44	3	–	–	1·55	–	·59	25	10	9	–	0	–	–	1	0	0	–	8·81	– S
Cornwall St. Mary's, Scilly	21–9 9	158	64·0	54·3	59·1	+1·7	70	24	49	3	–	–	·54	31	·15	26	10	5	0	0	0	0	2	0	–	0	7·98	105
Penzance ...	9 9 9	62	66·0	53·0	59·5	+0·7	72	12, 13	45	2, 3	–	–	1·00	51	·27	26	12	8	0	0	0	0	0	0	–	0	8·81	119
Gulval	9 9 9	50	66·3	53·2	59·7	+1·5	75	12, 13	44	3	–	–	·88	–	·26	26	9	7	0	0	0	0	6	0	–	0	8·45	110
Camborne (Rosewarne)	9 9 9	250	63·4	52·4	57·9	–	70	24	45	3	–	57·8	·82	–	·23	26	12	6	0	0	0	0	1	0	0	0	7·84	–
Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Falmouth ¶§	9 9 9	167	64·6	52·8	58·7	+0·1	72	25	45	3	–	–	1·22	62	·37	26	12	10	0	0	0	0	0	0	0	0	8·42	110
Newquay ...	9 9 9	176	63·2	53·0	58·1	+0·6	70	24	44	3	–	–	·67	38	·19	4	8	7	0	–	–	–	–	0	–	–	8·06	107
St. Mawgan ...	21–9 9	337	63·6	52·4	58·0	–	69	13, 19	46	2, 3	–	–	·86	–	·28	4	10	7	0	0	0	0	0	0	0	0	8·99	–
St. Austell ...	9 9 9	310	66·1	52·1	59·1	–	72	13,19,20	45	2	–	–	1·11	48	·43	26	13	7	0	0	0	0	1	0	–	0	–	–
Fowey	9 9 9	51	66·0	53·2	59·6	+1·1	75	15	43	3	–	–	·77	–	·22	26	7	6	0	0	0	0	1	0	–	0	–	–
Bude	9 9 9	50	65·4	51·4	58·4	+0·9	76	21	40	19	–	–	·69	39	·19	26	13	7	0	0	1	1	–	0	–	0	8·03	108
Ellbridge ...	9 9 9	190	66·5	49·9	58·2	–	73	13,15,19	37	3	–	–	1·78	–	·68	26	13	9	0	0	0	0	0	0	0	0	8·25	–
NORTHERN IRELAND																												
Londonderry Ballykelly ¶§	21–9 9	3	64·8	50·6	57·7	+1·4	75	20	38	4	–	–	2·34	106	·65	22	14	10	0	0	0	1	0	0	0	0	6·95	119
Garvagh ¶	9 9 9	121	65·2	48·8	57·0	+1·9	75	14	37	4	5·99	–	2·75	101	·67	22	16	12	0	0	1	2	0	0	3	0	–	–
Antrim Aldergrove ¶§	21–9 9	217	65·1	49·5	57·3	+1·7	75	14	40	4,19,20	–	–	1·59	71	·35	27	14	12	0	0	0	3	0	0	0	0	7·14	121
Nutts Corner ...	21–9 9	338	64·8	48·2	56·5	–	76	14	37	19	–	–	1·98	–	·34	7	15	12	0	0	0	1	0	0	0	0	–	–
Parkmore Forest	9 9 9	779																										
Down Hillsborough §	9 9 9	388	64·8	48·5	56·7	–	75	14	39	19	58·4	–	2·44	107	·66	27	18	13	0	0	0	1	1	0	1	0	7·40	122
Kilkeel	21–9 9	59	63·9	49·9	56·9	–	70	14,16,17	42	5, 20	–	–	1·42	–	·32	6	12	10	0	0	0	1	0	0	0	0	–	–
Belfast (Stormont Castle) ...	9 9 9	200	64·5	49·6	57·1	–	76	14	42	19	–	–	2·67	–	·69	28	14	11	0	0	0	1	–	0	–	–	–	–
Armagh Armagh ... ¶§	9 9 9	205	67·2	49·1	58·1	+1·6	80	14	40	19	62·6	58·4	1·99	83	·52	27	15	13	0	0	0	1	0	0	0	1	7·45	132
Loughgall ...	9 9 9	91	65·9	48·3	57·1	–	78	14	38	5,19,20	–	–	1·92	–	·46	22	15	13	0	0	0	1	–	0	5	0	7·03	–
Fermanagh Ely Lodge ...	9 9 9	165	64·5	48·9	56·7	–	75	14	37	4	61·3	55·0	2·92	–	·50	8	19	17	0	0	0	1	0	0	0	0	–	–
CHANNEL ISLES																												
Guernsey States Airport ...	9 9 9	340	64·3	52·9	58·6	–	72	3, 23	49	2,11,13	62.1	57·2	·74	47	·41	23	8	3	0	0	0	0	3	0	0	0	9·77	–
Alderney States Airport ...	9 9 9	288	62·4	52·3	57·3	–	69	3	47	2, 3	59·6	–	1·15	–	·85	23	6	5	0	0	0	0	5	0	–	0	9·59	–
Jersey Jersey Airport ...	9 9 9	273	65·5	53·6	59·5	–	74	3, 23	49	2,6,7	–	–	·58	38	·25	23	4	3	0	0	0	1	0	0	0	0	9·68	–
St. Helier ...	9 9 9	28	67·9	55·7	61·8	–	78	23	51	2, 13	–	–	·69	50	·28	23	6	6	0	–	0	0	0	0	–	0	9·65	

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
0 SCOTLAND, N.	3	272	1014·4	–	47·6	1·1	10·3	91	6·2	0	2	6	11	9	2
	9	272	1014·8	+2·2	52·0	3·0	10·6	80	6·2	0	3	4	14	8	1
Zetland Lerwick Observatory H	15	272	1015·4	–	53·3	4·0	10·3	74	5·3	0	6	5	14	5	0
	21	272	1015·6	–	49·0	1·7	10·4	88	6·0	0	3	8	12	7	0
	3	94	1014·7	–	48·6	1·4	10·7	91	6·4	0	2	6	9	11	2
	9	94	1015·4	–	53·9	3·4	11·1	77	5·9	0	4	5	12	8	1
Orkney Grimsetter.. H	15	94	1015·8	–	55·0	4·1	10·9	74	5·9	0	2	10	8	10	0
	21	94	1015·8	–	50·7	2·0	10·9	85	5·9	0	5	3	12	10	0
	3	121	1015·4	–	48·9	1·5	10·6	89	5·9	0	4	6	10	6	4
	9	121	1016·1	+2·9	53·9	3·2	11·3	80	6·3	0	1	7	13	8	1
Caithness Wick .. H	15	121	1016·3	–	56·1	4·5	11·1	73	6·0	0	2	7	15	6	0
	21	121	1016·5	–	51·3	2·3	10·8	83	5·8	0	4	5	15	5	1
	3	371	1013·7	–	51·2	1·8	11·3	88	6·4	0	2	5	10	10	3
	9	371	1014·4	–	53·1	2·3	11·8	86	6·4	0	0	9	10	8	3
Sutherland Cape Wrath ..	15	371	1014·6	–	54·6	2·7	12·1	83	6·5	0	0	8	10	12	0
	21	371	1014·7	–	52·5	1·9	12·0	88	6·7	0	0	6	14	9	1
	3	16	1014·5	–	50·2	1·6	11·2	89	5·7	0	4	8	9	9	0
	9	16	1015·2	+1·9	55·2	3·8	11·3	75	5·6	0	2	12	10	6	0
Ross & Cromarty Stornoway H	15	16	1015·5	–	57·9	5·5	11·2	67	5·9	0	2	9	14	5	0
	21	16	1015·5	–	53·1	2·4	11·6	83	5·4	0	5	8	8	9	0
	3	21	1014·6	–	52·0	1·7	11·8	88	5·9	0	3	7	8	11	1
	9	21	1015·4	–	54·9	3·1	11·8	80	6·1	0	2	6	16	6	0
Inverness Benbecula.. H	15	21	1015·7	–	56·7	4·2	11·7	75	5·7	0	5	6	13	6	0
	21	21	1015·5	–	53·7	2·3	12·0	85	6·1	0	3	7	8	12	0
1 SCOTLAND, E.	3	19	1015·3	–	50·8	2·4	10·6	83	6·1	0	3	6	14	7	0
	9	19	1015·8	–	57·0	4·8	11·2	71	6·0	0	3	4	17	5	1
Moray Kinloss .. H	15	19	1015·7	–	60·9	7·1	11·0	62	6·0	0	0	10	14	6	0
	21	19	1016·0	–	54·8	3·7	11·2	76	6·1	0	2	7	15	5	1
	3	193	1016·8	–	49·0	1·6	10·5	88	6·3	0	3	4	13	7	3
	9	193	1017·1	+3·0	56·4	4·4	11·3	73	6·0	0	2	6	16	6	0
Aberdeen Dyce .. H	15	193	1017·2	–	59·0	5·8	11·4	67	5·8	0	2	11	11	5	1
	21	193	1017·8	–	52·5	2·7	11·1	82	5·9	0	5	4	11	10	0
	3	108	1015·5	–	49·3	1·8	10·5	87	6·0	0	3	8	12	5	2
	9	108	1016·1	–	54·2	3·6	11·0	78	5·4	0	2	11	11	5	1
Rattray Head ...	15	108	1016·5	–	56·0	4·5	10·9	73	5·3	0	2	13	9	4	2
	21	108	1016·8	–	52·0	3·1	10·6	80	5·3	0	2	12	11	3	2
	3	36	1016·3	–	51·0	2·0	11·1	86	6·1	0	4	5	9	10	2
	9	36	1016·9	+2·6	56·8	4·7	11·3	72	6·1	0	2	8	11	9	0
Fife Leuchars .. H	15	36	1016·7	–	60·3	6·5	11·4	65	5·9	0	2	9	13	6	0
	21	36	1017·1	–	55·0	3·5	11·6	78	6·2	0	3	6	10	10	1
	3	114	1017·0	–	50·0	1·2	11·3	91	6·0	0	4	5	10	9	2
	9	114	1017·5	–	57·4	4·3	11·9	74	5·7	0	4	7	11	8	0
Midlothian Turnhouse H	15	114	1017·2	–	61·2	6·6	11·7	65	6·0	0	3	6	13	8	0
	21	114	1017·5	–	54·6	2·7	12·1	83	5·7	0	6	4	14	6	0
6a SCOTLAND, W.	3	34	1015·8	–	51·7	1·8	11·6	88	5·9	0	5	4	11	10	0
	9	34	1016·5	+2·4	54·9	3·1	11·8	80	6·4	1	2	4	11	12	0
Argyll Tiree .. H	15	34	1016·8	–	56·9	4·1	11·8	74	6·0	0	4	3	16	7	0
	21	34	1016·5	–	53·6	2·4	11·9	84	5·9	0	6	2	13	8	1
	3	122	1016·4	–	52·2	2·0	11·6	86	5·8	0	4	6	12	8	0
	9	122	1016·6	–	54·7	2·8	12·0	82	6·1	0	3	7	9	11	0
Rhuvaal H	15	122	1017·3	–	57·4	4·0	12·2	76	5·1	0	7	7	10	6	0
	21	122	1017·0	–	54·0	2·6	11·9	84	5·7	0	3	10	11	6	0
	3	29	1017·0	–	52·0	1·7	11·7	88	6·1	0	2	8	13	7	0
	9	29	1017·5	+2·7	56·9	3·9	11·9	75	6·2	0	1	7	14	8	0
Renfrew Renfrew .. H	15	29	1017·2	–	62·3	7·1	11·9	63	6·2	0	2	8	12	8	0
	21	29	1017·5	–	56·3	3·6	12·1	78	5·7	0	3	9	13	5	0
	3	33	1016·9	–	52·9	2·3	11·6	84	6·1	0	3	6	15	6	0
	9	33	1017·5	–	57·4	4·1	12·1	75	6·0	0	3	6	13	8	0
Ayr Prestwick Airport H	15	33	1017·5	–	61·8	6·5	12·2	65	5·8	0	3	8	13	6	0
	21	33	1017·6	–	56·5	3·6	12·1	77	5·7	0	4	6	16	4	0
	9	778	1017·5	+2·8	54·9	3·1	11·7	79	6·3	0	3	4	14	9	0
Dumfries Eskdalemuir H	15	778	1017·0	–	60·1	5·4	12·3	69	6·0	0	2	8	12	8	0
	21	778	1017·9	–	52·6	2·1	11·7	86	5·5	1	5	5	13	6	0
	3	260	1017·8	–	51·6	0·8	12·3	94	6·1	0	2	9	9	10	0
	9	260	1018·1	–	56·0	2·0	13·4	88	5·8	0	5	8	7	10	0
Wigtown Mull of Galloway H	15	260	1018·1	–	59·1	2·3	14·7	86	5·9	0	3	6	13	8	0
	21	260	1018·1	–	53·4	1·3	12·8	91	6·2	0	1	8	10	11	0
6b ISLE OF MAN	3	31	1017·5	–	52·7	1·3	12·4	91	5·2	0	7	5	14	4	0
	9	31	1018·3	–	58·4	3·1	13·5	81	5·0	0	5	12	7	6	0
Isle of Man Point of Ayre ..	15	31	1018·5	–	62·6	5·4	13·6	71	4·9	0	6	8	13	3	0
	21	31	1018·4	–	55·8	2·1	13·2	86	5·3	0	7	4	15	4	0
	3	68	1018·1	–	52·7	1·5	12·2	90	5·7	0	5	4	13	8	0
	9	68	1018·6	–	57·2	3·6	12·6	79	4·9	0	7	10	5	7	1
Ronaldsway H	15	68	1018·7	–	60·4	4·9	12·8	71	4·6	1	6	10	11	2	0
	21	68	1018·6	–	55·7	2·6	12·7	83	5·1	0	9	3	11	7	0
2 ENGLAND, N.E.	3	142	1017·4	–	50·1	1·4	11·2	89	5·5	0	9	2	7	11	1
	9	142	1017·8	–	57·0	3·9	12·1	77	6·2	0	3	5	15	7	0
Northumberland Acklington H	15	142	1017·7	–	60·0	5·5	12·2	69	5·9	0	1	11	13	5	0
	21	142	1018·1	–	53·6	2·6	11·8	83	5·4	0	5	7	9	9	0

VISIBILITY: NUMBER OF OBSERVATIONS: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
										Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
0	2	0	0	0	2	4	7	11	4	0	6	15	7	2	2	1	0	6	6	2	8	3
0	0	0	0	1	3	0	2	3	12	9	1	7	17	5	0	1	3	1	4	5	7	6	3
0	0	0	0	0	1	1	2	6	7	13	3	8	16	3	0	2	2	1	6	3	4	10	2
0	0	0	0	0	1	0	4	9	12	5	0	6	17	6	1	2	2	1	6	3	3	10	2
0	0	0	0	2	1	1	4	6	10	6	0	1	14	14	1	2	0	2	7	4	3	8	0
0	0	0	0	1	1	0	3	4	6	15	0	2	23	5	0	2	0	2	7	4	4	7	4
0	0	0	0	0	0	0	5	3	10	12	0	5	23	2	0	1	1	1	10	1	3	10	3
0	0	0	0	0	1	0	5	3	10	9	0	2	18	9	1	1	1	2	8	4	3	9	1
0	0	0	0	0	0	6	6	6	8	0	2	12	14	2	2	0	2	8	5	6	5	0	
0	0	1	1	0	0	3	5	11	9	0	3	17	10	0	2	0	2	10	4	4	3	5	
0	0	0	0	0	0	2	3	8	16	0	5	18	7	0	2	1	2	7	4	4	7	4	
0	0	1	0	0	2	4	5	7	11	0	1	14	15	0	2	0	4	8	3	4	5	4	
0	0	1	1	0	0	2	5	1	19	2	3	6	17	2	1	1	0	6	6	5	2	6	
0	0	1	1	0	0	2	5	10	19	0	4	6	18	2	1	1	0	6	5	6	3	5	
0	0	0	0	0	0	2	3	3	22	1	3	12	12	2	1	1	0	6	6	7	6	2	
0	0	0	0	0	0	2	2	5	20	1	4	10	13	2	0	1	1	8	3	7	6	2	
0	0	0	0	0	0	2	5	13	5	0	0	10	18	2	1	4	1	3	5	7	6	1	
0	0	0	0	0	0	2	8	7	13	0	3	19	8	0	0	2	1	6	5	6	5	5	
0	0	0	0	0	0	2	9	7	14	0	6	17	7	0	0	4	0	3	12	3	7	1	
0	0	0	0	0	0	2	6	8	9	0	1	11	16	2	2	4	3	1	5	3	7	3	
0	0	0	1	1	0	4	6	9	9	0	2	15	12	1	2	0	3	5	4	6	6	3	
0	0	0	0	1	1	3	7	7	11	0	7	15	7	1	1	1	0	8	3	7	5	4	
0	0	0	0	0	0	2	5	13	14	0	4	13	13	0	1	0	2	5	4	6	7	1	
0	0	0	0	0	0	2	4	11	12	0	5	13	13	1	4	2	3	2	1	7	6	4	
0	0	0	0	0	0	2	6	8	13	0	3	13	13	1	4	2	3	2	1	7	6	4	
0	0	0	0	0	0	1	4	8	17	0	6	11	13	0	7	1	4	5	0	5	6	2	
0	0	0	0	0	0	4	9	13	13	0	0	8	21	1	2	2	5	5	4	6	3	2	
0	0	0	0	0	0	3	8	11	6	0	1	13	14	2	3	0	3	5	4	5	5	3	
0	0	0	0	0	0	2	7	11	3	0	1	13	17	8	2	0	1	4	1	3	5	4	
0	0	0	0	0	0	1	2	9	11	3	0	1	10	19	0	0	2	4	11	3	6	4	
0	0	0	0	0	0	1	2	11	3	0	2	17	11	0	3	0	5	4	6	1	11	0	
0	0	0	0	0	0	1	5	22	0	0	2	19	9	0	3	0	7	3	5	1	9	2	
0	0	0	0	0	0	2	8	18	0	0	2	12	14	2	2	0	1	4	12	0	7	2	
0	0	0	0	0	0	2	3	9	7	6	0	6	19	5	1	4	4	0	2	7	6	1	
0	0	0	0	0	0	1	3	5	9	11	0	2	11	16	1	0	4	7	2	2	4	9	1
0	0	0	0	0	0	2	4	5	6	13	0	2	11	17	0	0	2	11	2	1	6	6	2
0	0	0	0	0	0	2	6	8	10	0	0	6	21	3	0	5	5	2	1	6	8	0	
0	0	0	1	1	2	1	8	13	4	0	0	2	7	14	7	0	6	2	0	1	5	9	0
0	0	0	0	1	1	2	5	7	7	7	0	1	13	14	2	2	6	3	2	2	2	11	0
0	0	0	0	0	2	5	7	4	10	6	0	2	12	11	1	1	7	5	0	1	3	8	1
0	0	0	0	0	2	5	6	7	10	0	0	6	12	11	2	1	7	4	0	0	6	8	0
0	0	0	0	0	0	5	10	4	4	0	2	16	10	2	2	0	1	6	4	5	8	2	
0	0	0	0	0	2	0	5	10	3	10	0	3	17	8	2	3	0	2	6	1	7	7	2
0	0	0	0	0	1	5	5	6	13	0	3	15	12	0	2	1	2	5	4	3	5	5	
0	0	0	0	1	0	7	8	4	9	0	4	10	11	5	2	1	2	2	5	3	5	5	
0	0	0	0	0	0	5	4	6	15	0	0	9	20	1	0	0	3	1	8	2	10	5	
0	0	0	0	0	0	3	4	11	12	0	1	9	20	0	1	0	2	1	7	2	14	3	
0	0	0	0	0	0	5	0	10	15	0	1	7	20	2	1	1	1	0	9	4	9	3	
0	0	0	0	1	3	7	4	4	10	0	1	12	15	2	0	0	2	8	2	1	5	9	3
0	0	0	0	0	1	3	2	8	13	0	1	17	11	1	0	2	5	1	2	5	13	1	
0	0	0	0	0	1	3	7	8	4	6	0	1	16	13	0	3	4	14	0				
0	0	0	0	0	0	4	12	10	4	0	0	11	18	1	0	3	6	6	2	4	6	2	
0	0	0	0	0	0	5	9	6	10	0	0	12	18	0	1	2	4	1	4	7	9	2	
0	0	0	0	1	3	5	9	12	0	0	1	16	13	2	0	1	1	4	2	3	9	2	
0	0	0	1	2	3	5	6	8	8	0	1	9	16	4	2	0	1	1	4	2	3	3	10
0	0	0	0	0	0	6	6	8	10	0	1	8	20	2	2	3	4	3	4	6	5	4	3
0	0	0	0	0	0	3	6	7	14	0	1	6	20	3	0	3	1	5	2	4	6	7	2
0	0	0	0	0	0	4	6	10	10	0	1	2	19	8	3	1	0	7	3	7	1		
0	0	0	1	0	0	2	2	23	1	1	3	13	13	0	0	2	5	4	4	5	4	10	
0	0	0	0	0	0	2	2	24	0	0	3	16	11	0	0	1	0	1	4	7	3	7	9
0	0	0	0	1	0	2	4	21	1	1	5	13	11	0	0	1	0	1	4	7	3	5	10
0	0	0	0	0	0	2	2	24	2	1	2	11	16	0	2	0	0	3	7	4	4	10	
0	0	0	0	0	0	2	2	23	1	1	3	13	13	0	0	0	2	5	4	4	5	4	7
0	0	0	0	0	0	2	2	24	0	0	3	16	11	0	0	1	0	1	4	7	3	5	10
0	0	0	0	0	0	2	2	21	1	1	5	13	11	0	0	2	0	0	3	7	4	4	10
0	0	0	0	0	0	2	2	24	2	1	2	11	16	0	2	0	0	3	7	4	4	10	
0	0	0	0	0	0	2	2	22	0	0	3	16	13	0	0	1	0	1	4	7	3	5	10
0	0	0	0	0	0	2	2	24	0	0	3	16	13	0	0	1	0	1	4	7	3	5	10
0	0	0	0	0	0	2	2	24	0	0	3	16	13	0	0	1	0	1	4	7	3	5	10

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1959

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																
											NO. OF OBSERVATIONS									NUMBER OF OBSERVATIONS										FORCE (0-12)										DIRECTION							
																														Beaufort Force																
																														8 or more	6, 7	4, 5	1 to 3	Calm												
																														Speed in knots																
																														34 or more	22 to 33	11 to 21	1 to 10	0												
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%	Mean Amount	0	1 2	3 to 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.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over											N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*																																													
Northumberland—*cont.*	Tynemouth H	3	130	1017·6	-	52·8	2·3	11·5	84	5·8	0	5	6	6	11	2	0	0	1	1	1	0	3	24	0	0	0	1	5	23	1	3	0	4	1	3	3	12	3
		9	130	1018·1	+2·9	56·2	3·9	11·7	76	6·1	2	1	5	11	8	3	0	3	0	0	1	1	2	5	19	0	0	0	0	14	14	2	7	0	5	3	4	2	9	8
		15	130	1018·0	-	58·7	5·0	11·9	73	5·6	1	2	12	7	7	1	0	1	0	0	1	1	6	21	0	0	0	3	10	15	2	6	1	7	3	3	0	8
		21	130	1018·0	-	56·0	3·9	11·7	77	5·7	0	3	10	10	7	0	0	0	0	0	1	3	7	19	0	0	0	0	8	19	3	6	1	1	2	5	0	12	0
		3	118	1018·2	-	51·0	1·7	11·3	88	5·3	1	6	6	10	7	0	0	0	1	1	3	2	7	6	9	1	0	0	3	18	9	2	1	3	2	2	0	5	4	5
Durham	Middleton St. George H	9	118	1018·4	-	59·1	5·2	11·9	69	5·9	0	4	3	18	5	0	0	0	0	0	2	3	6	7	4	8	0	0	0	14	14	2	4	4	2	2	0	3	6	5
		15	118	1018·1	-	64·4	8·2	11·9	58	5·8	0	3	8	14	5	0	0	0	0	0	1	5	4	8	4	8	0	0	2	15	2	1	3	5	1	4	0	3	4	0
		21	118	1018·8	-	56·4	4·1	11·7	75	5·2	0	5	10	9	6	0	0	0	0	1	0	5	8	7	4	5	0	0	0	6	22	3	4	6	6	6	4	10	6	4
		3	131	1018·3	-	51·2	1·8	11·4	88	5·5	0	4	9	9	8	0	0	0	0	2	1	3	8	9	5	2	0	0	2	25	3	6	1	2	4	0	5	2	5	4
Yorks., N. Riding	Dishforth H	9	131	1018·6	-	59·6	5·1	12·3	70	6·3	0	2	3	21	4	0	0	0	0	0	1	3	5	4	5	12	0	0	0	13	15	2	6	3	1	2	5	4	9	4
		15	131	1018·2	-	66·3	8·6	12·7	58	6·0	0	3	6	17	4	0	0	0	0	0	0	0	7	8	4	11	0	0	2	11	17	0	2	2	1	3	5	4	9	2
		21	131	1019·0	-	57·2	3·7	12·4	77	5·4	0	4	9	11	6	0	0	0	0	0	2	1	7	6	8	6	0	0	0	3	26	1	4	0	7	3	2	4	8	1
		3	69	1018·5	-	50·4	1·5	11·3	90	4·8	1	8	5	10	6	0	0	0	0	1	0	3	8	12	5	1	0	0	0	7	17	6	1	3	3	0	2	5	5	3
		9	69	1018·8	-	59·0	4·8	12·4	73	5·8	0	4	5	14	7	0	0	0	0	0	1	9	5	8	2	0	0	1	14	15	0	2	2	0	4	3	3	5	8	3
Yorks., E. Riding	Driffield .. H	15	69	1018·5	-	64·1	7·4	12·6	62	5·3	0	2	14	9	5	0	0	0	0	0	0	1	2	15	7	5	0	3	15	12	0	4	0	10	1	5	1	9	3	0
		21	69	1019·2	-	55·4	2·8	12·5	83	4·7	0	6	12	6	6	0	0	0	0	0	2	0	6	14	6	2	0	0	0	5	20	5	1	2	9	0	6	4	7	2	0
		3	54	1018·8	-	54·2	1·2	13·1	91	4·6	0	6	13	10	1	0	0	0	0	1	0	0	15	14	0	0	0	0	0	15	12	3	3	1	6	0	6	5	6	1	0
	Spurn Head H	9	54	1019·4	+3·6	57·6	2·5	13·8	85	5·3	1	5	6	14	4	0	0	0	0	0	0	1	8	11	0	0	0	2	13	12	3	5	2	4	0	3	6	5	6	1
		15	54	1019·1	-	61·0	3·7	14·5	80	4·9	2	2	10	14	2	0	0	0	0	0	0	1	15	14	0	0	0	2	20	7	1	3	4	9	1	1	6	4	6	1	2
		21	54	1019·2	-	57·1	2·2	13·7	86	4·7	0	9	7	10	4	0	0	0	0	0	0	3	14	13	0	0	0	0	13	16	1	1	2	8	3	2	5	6	4	2	2
		3	227	1019·0	-	51·9	1·8	11·6	87	4·8	1	10	3	10	6	0	0	0	0	0	0	3	12	10	3	2	0	0	0	5	24	1	2	4	2	1	4	10	4	2	2
Lincoln	Waddington H	9	227	1019·4	-	59·8	4·9	12·7	72	5·6	0	3	9	13	5	0	0	0	0	0	0	0	10	9	6	5	0	0	0	12	17	1	4	1	3	1	6	3	9	2	2
		15	227	1018·7	-	66·6	9·5	11·8	54	5·6	1	2	8	16	3	0	0	0	0	0	0	0	4	8	13	5	0	0	1	18	10	1	3	3	1	1	3	6	10	2	2
		21	227	1019·5	-	57·2	4·2	12·0	74	4·6	0	10	6	9	5	0	0	0	0	0	0	1	6	13	7	3	0	0	0	3	27	0	0	4	6	2	6	4	7	1	3
		3	47	1019·1	-	50·8	1·3	11·6	91	5·1	0	7	7	11	4	1	0	0	0	1	0	4	16	4	4	1	0	0	0	5	21	4	4	1	2	0	4	4	8	3	4
	Manby H	9	47	1019·3	-	60·3	4·5	13·3	74	5·5	1	3	9	10	7	0	0	0	0	0	0	0	10	10	7	3	0	0	1	11	17	1	4	1	3	2	5	1	9	4	2
		15	47	1018·9	-	65·3	7·8	12·9	60	5·1	0	5	9	12	4	0	0	0	0	0	0	0	2	15	8	5	0	0	1	16	13	0	5	1	7	4	1	3	7	2	2
		21	47	1019·5	-	54·9	2·8	12·2	82	4·3	0	11	7	8	4	0	0	0	0	0	0	3	4	13	7	3	0	0	0	4	25	1	2	1	5	4	4	4	7	2	2
3 ENGLAND, E.																																													
Norfolk	Marham H	3	89	1019·2	-	50·9	1·0	11·9	92	4·4	0	9	9	7	5	0	0	0	0	0	0	0	15	10	5	0	0	0	5	21	4	1	2	4	0	6	8	3	2	2
		9	89	1019·6	-	61·3	5·0	13·4	72	5·6	1	4	7	13	5	0	0	0	0	0	0	0	5	16	4	5	0	1	16	11	2	2	1	2	3	0	5	7	4	8	5	7
		15	89	1018·9	-	67·0	9·1	12·5	56	5·6	1	4	4	17	4	0	0	0	0	0	0	0	5	9	10	6	0	2	16	12	0	3	1	7	3	5	7	1	7	3	5
		21	89	1019·7	-	58·5	4·1	12·7	75	4·2	0	11	9	5	5	0	0	0	0	0	0	0	3	15	9	3	0	0	0	6	22	2	4	3	5	2	3	5	5	1	2
		3	263	1019·0	-	51·5	2·0	11·5	86	4·2	0	12	5	8	5	0	0	0	0	0	0	1	11	12	6	0	0	0	0	5	21	4	1	3	2	1	0	8	9	2	1
	West Raynham H	9	263	1019·3	-	60·8	5·9	12·3	67	5·4	1	5	6	16	2	0	0	0	0	0	0	0	2	12	11	5	0	1	17	8	4	3	1	2	2	1	3	3	10	1	3
		15	263	1018·7	-	65·6	9·2	11·9	55	5·5	0	6	3	19	2	0	0	0	0	0	0	0	2	9	15	4	0	0	0	18	12	0	5	4	5	2	0	3	2	5	1	6
		21	263	1019·6	-	56·3	3·9	11·9	75	4·1	0	15	3	8	4	0	0	0	0	0	0	1	1	18	8	2	0	0	0	2	26	2	2	2	7	2	2	1	7	5	2	0
		3	26	1019·1	-	54·0	2·3	12·2	85	3·7	5	8	7	8	2	0	0	0	0	0	0	0	0	14	16	0	0	0	0	3	26	1	2	2	0	6	5	14	0	2	2
	Gorleston .. .. H	9	26	1019·6	+3·2	60·2	4·8	12·9	72	5·3	1	5	6	15	3	0	0	0	0	0	0	0	0	11	19	0	0	0	1	7	22	1	2	2	5	3	0	2	3	3	10	0	2
		15	26	1019·4	-	61·4	5·6	13·6	73	4·8	2	7	4	11	6	0	0	0	0	0	0	0	0	10	20	0	0	0	0	12	18	0	2	7	6	2	4	1	6	2	2
		21	26	1019·7	-	58·1	3·3	13·2	79	3·5	3	10	9	8	0	0	0	0	0	0	0	1	15	14	0	0	0	0	0	6	24	0	4	1	5	1	1	7	2	2	2
		3	39	1019·1	-	51·5	1·8	11·4	87	4·3	2	9	5	10	4	0	0	0	0	0	0	2	17	8	3	0	0	0	0	0	25	5	1	4	2	2	2	13	7	2	1
Suffolk	Mildenhall H	9	39	1019·6	-	62·2	6·7	12·3	64	5·6	2	2	7	14	5	0	0	0	0	0	0	0	10	13	6	1	0	0	0	7	22	1	2	1	3	1	3	8	7	4	6
		15	39	1018·8	-	68·8	11·2	11·4	49	5·4	2	2	9	14	3	0	0	0	0	0	0	0	0	15	10	5	0	0	0	7	23	0	5	0	4	1	4	2	8	6	0
		21	39	1019·5	-	59·3	5·2	12·0	69	4·5	0	8	11	8	3	0	0	0	0	0	0	0	4	18	7	1	0	0	0	1	28	1	2	2	4	3	1	4	4	8	0	2
		3	13	1019·3	-	55·4	2·1	13·0	86	3·2	6	10	5	7	2	0	0	0	0	0	0	0	13	16	1	0	0	0	7	21	2	2	3	5	1	1	2	7	10	0	2
	Felixstowe .. H	9	13	1019·9	+3·0	61·3	4·7	13·7	74	5·0	0	3	13	11	3	0	0	0	0	0	0	1	4	11	11	3	0	1	13	16	0	2	3	5	1	3	2	12	2	2
		15	13	1019·3	-	64·0	5·9	13·9	69	4·6	2	5	11	8	4	0	0	0	0	0	0	0	8	9	9	4	0	2	22	6	0	1	5	5	1	3	6	2	6	3	3
		21	13	1019·7	-	59·3	3·3	13·9	80	4·0	1	10	8	8	3	0	0	0	0	0	0	0	6	12	12	0	0	0	0	12	17	1	3	5	3	1	3	6	5	3	1
		3	141	1019·3	-	52·4	2·4	11·5	84	4·9	0	5	9	12	4	0	0	0	0	0	0	4	19	6	1	0	0	0	0	1	29	0	2	3	2	1	0	12	9	1	1
Huntingdon	Wyton .. H	9	141	1019·8	-	61·7	6·5	12·2	65	5·3	1	7	4	11	7	0	0	0	0	0	0	1	7	12	7	3	0	0	0	12	17	1	4	2	4	2	0	4	6	6	3	1
		15	141	1018·9	-	68·1	10·8	11·5	49	5·6	1	5	2	19	3	0	0	0	0	0	0	0	3	14	7	6	0	0	0	17	11	2	1	4	2	2	2	5	11	1	1
		21	141	1019·7	-	59·6	5·9	11·7	66	5·1	0	5	9	13	3	0	0	0	0	0	0	1	4	19	1	5	0	0	0	4	24	2	0	3	6	2	1	5	7	4	0
		3	96	1019·5	-	49·6	1·2	11·2	91	4·1	0	11	9	5	5	0	0	0	0	0	1	7	15	7	0	0	0	0	0	1	21	8	1	3	1	1	1	8	7	0	2
Bedford	Cardington H	9	96	1020·0	-	61·9	6·2	12·5	66	5·1	2	6	3	15	4	0	0	0	0	0	1	0	8	17	3	1	0	1	15	14	0	0	4	4	0	3	6	8	3	3
		15	96	1019·0	-	68·8	10·3	12·3	52	5·1	0	5	10	11	4	0	0	0	0	0	0	0	5	16	9	0	0	0	0	17	11	2	0	0	4	4	0	3	6	8	3	3
		21	96	1019·8	-	58·6	4·8	12·2	72	4·4	0	11	7	5	7	0	0	0	0	0	0	0	6	21	3	0	0	0	0	8	18	4	2	1	5	0	1	10	5	2	1
		3	517	1019·6	-	51·1	1·5	11·5	89	4·1	3	10	3	11	3	0	0	0	0	0	0	1	13	12	4	0	0	0	0	1	25	4	3	1	2	1	3	9	6	1	2
Hertford	Bovingdon H	9	517	1019·9	-	59·9	5·2	12·5	71	5·2	0	8	6	8	8	0	0	0	0	0	1	1	7	10	10	1	0	0	0	14	16	0	3	3	5	2	2	4	8	2	4
		15	517	1018·9	-	66·3	8·6	12·6	58	5·8	0	2	10	12	6	0	0	0	0	0	0	0	3	11	12	4	0	0	0	13	16	1	5	2	7	1	0	2	5	9	5	4
		21	517	1020·0	-	57·6	4·5	11·9	73	4·5	0	12	3	11	4	0	0	0	0	0	0	2	3	11	16	4	0	0	0	3	27	0	5	2	4	1	0	2	8	5	4	2
		9	12	1020·4	+3·2	62·6	4·8	14·5	74	5·0	1	7	6	12	4	0	0	0	0	0	0	2	11	16	1	0	0	0	0	5	24	1	3	3	4	0	4	5	8	4	2
Essex	Shoeburyness H	15	12	1019·7	-	64·9	5·3	15·2	73	5·4	0	5	6	14	5	0	0	0	0	0	0	1	9	12	6	2	0	1	7	22	0	1	4	8	4	2	5	4	2	3
		21	12	1020·2	-	58·7	2·9	14·2	83	4·8	2	8	4	9	7	0	0	0	0	0	0	0	9	18	2	1	0	0	6	20	4	2	5	3	0	2	8	3	3	3
4 MIDLAND COUNTIES																																													
Yorks, W.R.	Huddersfield (Oakes) H	3	769	1019·4	-	50·5	0·8	11·9	94	4·9	4	1	10	7	8	0	0	0	0	2	0	3	9	6	9	1	0	1	6	23	0	4	6	1	0	2	10	5	2	2
		9	769	1018·9	-	58·8	4·6	12·5	74	5·7	2	2	9	6	11	0	0	0	0	1	0	4	6	9	10	0	0	2	7	17	4	2	6	0	0	2	8	5	3	8
		15	769	1018·5	-	64·4	7·6	12·5	61	5·0	0	6	9	10	5	0	0	0	0	0	1	2	6	9	12	0	1	0	10	17	2	0	5	1	1	2	8	4	8	3
		21	769	1019·7	-	54·1	3·0	11·6	81	4·2	6	5	7	5	7	0	0	0	0	0	1	3	6	2	12	6	0	0	0	3	22	5	1	4	1	1	2	3	8	5	5
		3	390	1019·9	-	51·0	1·4	11·5	89	4·6	2	8	5	9	6	0	0	0	0	0	2	1	17	9	1	0	0	0	0	2	24	4	2	1	4	0	0	5	11	3	7
Nottingham	Watnall .. H	9	390	1019·3	-	59·4	4·0	12·1	69	5·4	0	6	6	12	6	0	0	0	0	0	0	2	14	11	3	0	0	0	0	8	19	3	2	2	2	2	3	8	7	7	4
		15	390	1018·6	-	66·6	9·4	12·0	54	5·3	1	4	8	10	7	0	0	0	0	0	0	2	8	11	9	2	0	0	0	12	16	2	2	1	2	2	3	1	10	7	7
		21	390	1019·4	-	57·4	3·8	12·0	74	4·9	1	7	7	8	7	0	0	0	0	0	0	2	12	13	2	1	0	0	0	4	19	7	1	1	5	1	1	10	10	4	4
		3	46	1018·8	-	51·7	1·9	11·5	87	4·4	4	6	7	7	6	0	0	0	0	1	1	2	21	5	0	0	0	0	0	6	18	6	4	1	1	4	2	5	7	4	4
	Finningley H	9	46	1019·2	-	61·3	6·0	12·3	66	5·6	0	4	7	14	5	0	0	0	0	0	0	1	11	13	2	3	0	2	14	11	3	5	1	2	1	4	3	4	7	2	3
		15	46	1018·7	-	68·2	10·4	11·8	51	5·2	0	5	11	10	4	0	0	0	0	0	0	0	8	12	8	2	0	5	15	10	0	1	2	3	1	1	4	3	8	3	1
		21	46	1019·4	-	58·8	5·0	12·0	71	4·8	1	9	5	8	7	0	0	0	0	0	1	2	12	11	2	2	0	0	0	6	23	1	2	3	6	1	3	5	8	3	1
		9	109	1019·6	-	60·5	5·0	12·9	71	5·3	0	8	3	12	7	0	0	0	0	0	0	1	5	14	7	3	0	0	0	16	13	1	3	2	3	1	2	1	4	3	7	7	2
	Langar H	15	109	1018·8	-	66·9	11·0	12·7	56	5·6	1	4	7	13	5	0	0	0	0	0	0	0	3	10	11	6	0	2	16	9	3	2	2	3	1	1	4	3	5	9	2
		21	109	1019·6	-	58·1	4·1	12·7	76	5·2	0	6	8	12	4	0	0	0	0	0	0	1	4	17	6	2	0	0	0	12	15	3	0	2	2	4	1	6	3	5	2	2
		3	219	1019·2	-	51·5	2·0	11·5	87	4·6	1	8	7	9	5	0	0	0	0	0	0	0	16	14	0	0	0	0	0	7	21	2	4	3	3	2	0	1	5	11	2	6
Northampton	Wittering H	9	219	1019·6	-	61·1	5·7	12·6	69	5·7	2	2	6	12	8	0	0	0	0	0	0	0	8	18	4	0	0	0	1	15	13	2	1	3	5	2	1	4	7	8	5	2
		15	219	1018·9	-	67·3	9·6	12·3	54	5·6	1	4	4	17	4	0	0	0	0	0	0	0	5	16	8	1	0	1	17	11	1	3	5	5	2	1	1	5	9	6	5	2
		21	219	1019·7	-	58·3	4·6	12·3	73	4·8	0	11	2	13	4	0	0	0	0	0	0	1	8	17	4	0	0	0	0	6	23	1	2	5	5	4	1	1	5	9	2	2

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1959

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																				
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS											FORCE (0-12)										DIRECTION																
																														Beaufort Force																						
																														8 or more	6, 7	4, 5	3 to 3	Calm																		
																														Speed in knots																						
																														34 or more	22 to 33	11 to 21	1 to 10	0																		
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																										
4 MIDLAND COUNTIES—*cont.*																																																				
			9	542	1019·8	+2·9	58·5	5·1	11·8	70	4·7	2	8	4	11	5	0	0	0	0	0	1	2	10	9	8	0	0	0	8	22	0	1	3	2	3	5	4	7	5										
Warwick	Birmingham	H	15	542	1019·2	-	64·8	6·1	11·3	54	5·3	1	3	9	14	3	0	0	0	0	0	0	2	4	7	12	7	0	0	11	19	0	2	3	3	0	2	5	4	9	4								
			21	542	1019·9	-	59·3	5·6	11·8	67	4·5	0	9	9	8	4	0	0	0	0	0	0	2	6	14	8	0	0	0	5	25	0	7	2	2	2	5	5	10	4	5								
			3	362	1019·6	-	52·0	1·5	12·0	89	4·7	1	8	7	8	6	0	0	0	0	0	0	2	13	13	2	0	0	0	4	19	7	2	2	2	0	1	2	5	6	2	5								
			9	362	1019·9	-	59·7	5·2	12·5	71	5·5	1	4	6	14	5	0	0	0	0	0	0	2	7	17	4	0	0	0	11	17	2	4	2	2	4	2	3	4	5	2								
	Elmdon ..	H	15	362	1019·2	-	66·2	9·2	11·9	55	5·7	1	4	3	21	1	0	0	0	0	0	0	1	7	10	11	2	0	0	15	15	0	1	2	3	4	2	0	3	3								
			21	362	1019·7	-	59·1	5·0	12·2	70	5·3	0	6	6	12	6	0	0	0	0	0	0	1	15	12	2	0	0	0	3	25	2	0	2	3	4	3	0	3	3								
			3	242	1019·3	-	50·8	1·4	11·7	90	4·6	1	10	4	11	4	0	0	0	0	0	1	1	6	6	13	3	0	0	5	19	6	2	0	3	5	2	3	7	6								
			9	242	1019·5	-	59·2	4·4	12·8	74	5·5	0	4	9	11	6	0	0	0	0	0	1	1	7	4	5	13	0	0	13	17	0	3	5	1	2	1	5	6	1	4								
Shropshire	Shawbury ..	H	15	242	1019·1	-	64·5	7·2	13·0	63	5·6	1	3	6	18	2	0	0	0	0	0	0	2	6	7	13	0	0	13	15	2	0	1	2	2	2	4	8	3								
			21	242	1019·9	-	56·7	3·0	12·9	81	5·0	1	1	6	7	10	6	0	0	0	0	0	2	0	4	9	7	10	0	0	4	26	0	7	1	3	3	2	1	3	2								
			3	112	1019·7	-	52·5	1·5	12·2	89	4·2	0	12	7	6	5	0	0	0	0	0	1	3	6	9	6	5	0	0	1	21	8	4	0	3	1	0	2	1	1	0								
			9	112	1020·0	-	60·6	5·1	12·9	71	5·5	0	5	5	15	5	0	0	0	0	0	1	0	4	7	9	9	0	0	1	9	17	3	2	3	3	0	2	1	7	6	4								
Worcester	Pershore ..	H	15	112	1019·3	-	67·6	9·5	12·4	54	5·3	0	2	12	14	2	0	0	0	0	0	0	0	3	3	11	13	0	0	14	16	0	2	2	4	2	0	2	1	7	6	2								
			21	112	1020·0	-	59·8	4·4	13·1	74	4·8	0	7	10	9	4	0	0	0	0	0	0	1	4	7	12	7	0	0	4	22	4	2	2	5	0	2	1	7	6	2								
			9	226	1019·9	+2·9	60·2	4·6	12·7	71	5·3	0	8	3	10	9	0	0	0	0	0	0	1	6	7	16	0	0	0	4	26	0	4	3	2	2	0	2	5	4	6								
Hereford	Ross-on-Wye	H	15	226	1019·2	-	66·9	12·6	12·2	55	5·4	0	5	7	9	9	0	0	0	0	0	0	0	5	5	15	5	0	0	10	20	0	1	3	4	2	1	3	5	1								
			21	226	1020·1	-	59·0	4·5	12·8	74	4·7	0	10	6	9	5	0	0	0	0	0	0	0	8	4	11	7	0	0	2	24	4	2	2	4	2	1	3	4	2	1								
			3	197	1020·0	-	53·8	1·7	12·6	88	4·7	0	10	6	9	5	0	0	1	0	0	0	3	11	12	2	1	0	0	2	20	8	2	4	1	1	3	3	6	1	1								
			9	197	1020·3	-	60·1	4·3	13·3	75	5·2	0	7	7	12	4	0	0	0	0	0	0	2	7	17	5	1	0	0	10	20	0	3	5	1	2	1	3	10	3								
Gloucester	Bristol (Filton)	H	15	197	1019·8	-	65·4	7·6	13·1	62	5·4	0	6	6	13	5	0	0	0	0	0	0	1	2	9	10	7	0	0	11	19	0	2	2	4	2	1	3	5	11								
			21	197	1020·5	-	59·0	4·1	13·0	76	4·4	0	10	6	9	5	0	0	0	0	0	0	2	8	15	4	2	0	0	5	21	4	1	3	3	1	2	4	10	2								
			3	751	1019·7	-	52·0	1·6	11·9	89	4·5	2	8	7	4	7	2	0	0	1	1	0	0	1	8	13	3	3	0	0	2	23	5	4	1	3	3	0	1	2	5	10	1							
			9	751	1019·9	-	58·3	4·4	12·3	74	5·2	0	7	6	10	7	0	0	0	0	0	0	0	1	6	9	11	3	0	1	9	19	1	4	2	4	1	2	3	1	2								
	Little Rissington	H	15	751	1019·2	-	64·0	7·6	12·3	61	5·6	1	2	9	13	5	0	0	0	0	0	0	0	1	5	4	9	12	0	0	16	14	0	1	5	3	0	1	3	13	9	4							
			21	751	1020·1	-	57·5	3·9	12·4	76	4·4	0	8	9	10	3	0	0	0	0	0	0	1	5	8	9	7	0	0	7	21	2	1	4	5	0	0	3	5	9	4							
5 ENGLAND, S.E.																																																			
			3	86	1020·1	-	53·7	2·5	11·9	83	4·0	3	8	8	7	4	0	0	0	0	0	0	0	7	18	5	0	0	0	4	22	4	2	3	2	0	2	6	8	3								
			9	86	1020·3	-	62·3	6·7	12·3	63	5·2	1	3	10	11	5	0	0	0	0	0	0	2	7	8	8	5	0	0	11	18	1	4	1	6	1	2	5	10	4								
Middlesex	London Airport	H	15	86	1019·2	-	69·7	11·1	12·0	49	5·3	0	1	12	15	2	0	0	0	0	0	0	2	5	2	15	7	0	2	11	16	1	3	3	4	1	2	5	8	4								
			21	86	1020·1	-	61·8	6·5	12·2	64	4·5	1	8	6	12	3	0	0	0	0	0	0	1	8	8	11	2	0	0	8	21	1	2	3	3	4	1	3	6	7	5								
			9	34	1020·1	+2·9	61·8	6·6	12·0	63	5·6	0	3	9	12	6	0	0	0	0	0	0	2	0	9	7	5	7	0	1	6	18	5	3	1	4	1	0	2	3	5	3								
Surrey	Kew Observatory	H	15	34	1019·2	-	68·2	10·6	11·6	50	5·6	0	2	9	17	2	0	0	0	0	0	0	0	6	5	9	10	0	0	11	19	0	4	0	7	0	1	3	5	7	3								
			21	34	1020·1	-	61·6	7·8	11·9	64	4·6	0	9	7	11	3	0	0	0	0	0	0	1	9	6	10	4	0	0	6	23	1	3	1	6	1	0	3	5	7	3								
			3	195	1020·0	-	49·8	0·8	11·7	94	4·0	1	13	3	12	1	0	0	0	0	0	0	2	13	15	0	0	0	0	1	17	12	1	3	1	0	2	3	7	7	0								
			9	195	1020·3	-	61·9	5·3	13·5	71	5·3	0	6	5	14	5	0	0	0	0	0	0	2	7	10	9	2	0	0	10	18	2	1	6	1	0	2	3	7	4								
	Gatwick ..	H	15	195	1019·5	-	68·4	8·5	13·9	59	5·4	0	4	7	18	1	0	0	0	0	0	0	1	2	11	10	6	0	0	15	14	1	1	4	4	1	3	8	7	4								
			21	195	1019·6	-	58·1	3·3	13·4	80	3·6	0	16	5	5	4	0	0	0	0	0	0	1	0	13	6	10	0	0	0	3	25	2	2	5	3	0	1	3	8	7	0								
			3	309	1019·8	-	51·3	1·2	11·9	91	4·1	1	9	8	9	3	0	0	0	0	0	0	1	0	11	17	1	0	0	0	4	21	5	0	5	6	6	2												
			9	309	1020·0	-	61·7	5·6	13·0	68	4·9	1	7	8	10	4	0	0	0	0	0	0	1	1	8	12	8	1	0	1	9	20	0	7	1	1	0	5	9	6	5	1								
Kent	West Malling	H	15	309	1019·3	-	66·9	8·7	13·0	58	4·8	0	7	10	10	3	0	0	0	0	0	0	1	0	5	12	8	5	0	1	14	14	1	3	7	2	0	5	6	5	1								
			21	309	1020·1	-	56·5	3·3	12·5	80	4·4	2	8	8	6	6	0	0	0	0	0	0	1	2	6	13	10	0	0	0	10	18	2	6	3	3	0	8	5	2	2								
			3	35	1020·2	-	53·8	1·8	12·5	88	4·6	0	9	8	5	7	1	0	0	0	0	1	0	1	5	19	5	0	0	0	3	20	7	2	4	1	0	1	4	6	5								
			9	35	1020·7	-	62·3	5·7	13·4	70	5·8	1	4	4	15	6	0	0	0	0	0	0	0	1	6	12	7	5	0	0	5	24	1	2	4	4	1	3	5	6	4								
Sussex	Thorney Island	H	15	35	1020·6	-	66·1	7·4	13·7	63	5·7	1	3	5	18	3	0	0	0	0	0	0	0	1	3	11	11	6	0	0	4	26	0	2	0	1	2	12	7	2	4								
			21	35	1020·6	-	58·9	3·5	13·5	79	4·2	1	12	5	7	5	0	0	0	0	0	0	1	3	15	10	2	0	0	2	18	10	0	1	2	1	1	2	5	8	3								
			9	20	1020·7	-	61·7	5·5	13·1	70	4·9	4	1	10	12	3	0	0	0	0	0	0	0	21	9	0	0	0	0	1	7	18	4	1	1	6	1	2	2	11	2								
	Eastbourne		15	20	1020·3	-	63·8	6·0	13·9	69	4·8	2	3	11	12	2	0	0	0	0	0	0	0	21	9	0	0	0	3	11	15	1	0	1	8	1	0	4	3	12	2								
	(Coastguard)	H	21	20	1020·1	-	59·1	4·1	13·1	76	4·9	0	3	15	8	4	0	0	0	0	0	0	0	19	11	0	0	0	0	7	13	10	1	1	5	0	0	2	4	6	0								
			3	234	1019·9	-	52·4	1·4	12·3	88	5·2	1	6	7	7	9	0	0	0	0	0	0	0	2	3	11	14	0	0	0	0	18	12	2	3	1	0	0	2	4	6	0								
			9	234	1020·1	-	61·5	5·0	13·5	72	5·7	0	2	10	12	6	0	0	0	0	0	0	0	2	6	19	2	0	0	0	9	20	1	4	1	5	1	3	5	8	2								
Berkshire	Abingdon ..	H	15	234	1019·2	-	68·6	8·8	13·8	58	5·8	0	0	11	14	5	0	0	0	0	0	0	0	3	3	22	2	0	0	11	18	1	2	2	5	0	3	6	8	3								
			21	234	1020·0	-	59·5	4·0	13·4	76	4·4	0	8	11	6	5	0	0	0	0	0	0	1	3	13	12	1	0	0	2	20	8	0	4	3	0	1	5	5	4								
			3	231	1020·1	-	52·4	1·8	12·8	88	4·4	3	9	5	7	6	0	0	0	0	0	1	1	8	6	9	3	0	0	0	12	18	0	2	4	0	0	1	2	6	1								
			9	231	1020·3	+3·1	61·6	5·4	13·2	70	5·3	0	6	6	12	6	0	0	0	0	0	1	1	6	3	5	15	0	0	0	3	23	4	1	3	3	0	2	1	4	10	2								
Hampshire	S. Farnborough	H	15	231	1019·4	-	68·5	9·4	13·2	56	5·2	0	4	11	11	4	0	0	0	0	0	0	1	3	6	6	14	0	0	0	2	27	1	2	5	3	0	1	5	8	5								
			21	231	1020·4	-	60·3	4·9	13·0	71	4·0	1	11	6	9	3	0	0	0	0	0	0	0	5	11	5	9	0	0	0	0	21	9	0	2	3	0	1	5	9	1								
			3	344	1019·9	-	52·2	1·8	11·9	87	4·5	2	8	5	11	4	0	0	0	0	0	2	0	6	13	9	0	0	0	3	22	5	1	2	3	0	1	4	8	6	2								
			9	344	1020·2	-	61·1	5·9	12·5	67	5·3	0	7	4	15	4	0	0	0	0	0	0	1	5	12	7	5	0	0	0	9	20	1	4	3	3	0	1	4	7	6	4								
	Blackbushe	H	15	344	1019·2	-	68·5	10·3	12·1	51	5·5	0	3	8	18	1	0	0	0	0	0	0	0	2	7	9	12	0	0	0	16	14	0	3	4	3	0	1	4	6	4	5								
			21	344	1020·2	-	59·6	5·2	12·5	70	3·7	1	13	5	9	2	0	0	0	0	0	0	1	4	9	12	5	0	0	0	5	23	2	3	2	2	0	1	2	8	9	4								
			3	458	1019·9	-	52·0	1·2	12·1	91	5·0	1	5	8	9	6	1	0	0	0	0	0	1	1	9	9	9	0	0	0	2	22	6	2	3	2	0	1	2	4	10	4	0							
			9	458	1020·2	-	59·6	4·3	13·1	75	5·7	1	3	7	13	3	0	0	0	0	0	1	1	7	7	12	3	0	0	0	9	18	3	5	4	1	0	3	5	6	3							
Wiltshire	Lyneham	H	15	458	1019·5	-	64·8	7·7	12·6	61	6·4	0	0	6	19	5	0	0	0	0	0	0	0	7	3	7	13	0	1	13	15	1	1	6	3	0	2	3	9	5	4							
			21	458	1020·3	-	58·1	3·9	12·7	76	4·7	0	11	7	6	6	0	0	0	0	0	0	0	2	8	11	6	0	0	7	22	1	1	2	6	2	3	11	4	3							
			9	582	1020·0	-	59·6	4·1	13·3	76	5·7	0	5	4	17	4	0	0	0	0	0	0	1	7	13	6	3	0	0	0	8	19	3	3	4	2	1	4	4	6	3							
	Upavon ..	H	15	582	1019·2	-	65·8	7·5	13·4	63	5·9	0	1	9	16	4	0	0	0	0	0	0	1	1	5	6	9	8	0	0	10	18	2	1	2	5	0	4	1	8	7	4							
			21	582	1020·4	-	56·8	3·1	12·8	78	4·6	0	8	8	7	6	0	0	0	0	0	0	1	7	9	11	2	0	0	3	21	6	1	1	3	1	3	8	7	3							
			3	419	1020·3	-	51·0	1·0	12·0	92	4·8	1	8	7	7	7	0	0	0	0	0	1	0	4	10	12	2	0	0	0	4	15	11	1	0	3	0	3	2	7	3							
			9	419	1020·5	-	60·2	4·0	13·7	77	5·5	0	5	8	12	5	0	0	0	0	0	0	0	9	11	7	3	0	1	8	21	0	4	2	4	2	3	5	6	4							
	Boscombe Down	H	15	419	1019·7	-	66·9	8·1	13·5	61	5·8	0	3	7	17	3	0	0	0	0	0	0	1	2	10	7	9	0	0	0	14	16	0	1	4	2	2	3	7	6							
			21	419	1020·8	-	57·6	3·4	13·0	79	4·8	0	9	7	9	5	0	0	0	0	0	0	1	7	11	8	3	0	0	0	5	22	3	0	3	2	2	3	4	11	2							
7a ENGLAND, N.W.																																																			
			3	27	1018·0	-	52·3	1·6	12·0	89	6·0	0	3	6	13	8	0	0	0	0	0	0	0	3	4	8	12	3	0	2	7	17	4	2	4	4	0	4	5	6	1							
			9	27	1018·5	-	57·5	3·4	12·9	79	6·0	0	2	9	9	10	0	0	0	0	0	0	0	2	6	8	9	5	0	2	7	20	1	2	2	5	0	1	10	6	3							
Cumberland	Silloth	H	15	27	1018·4	-	61·3	5·3	13·1	71	5·8	0	2	7	19	2	0	0	0	0	0	0	1	4	6	8	11	0	1	15	14	0	0	4	3	0	1	17	5	3							
			21	27	1018·6	-	56·6	2·8	13·1	83	5·2	0	5	7	14	4	0	0	0	0	0	0	2	3	8	12	5	0	2	9	17	2	0	4	3	0	5	8	5	3							
			3	35	1018·3	-	53·8	2·0	12·4	87	5·9	0	4	5	13	8	0	0	1	0	0	0	1	2	4	14	6	2	0	1	14	14	1	0	1	8	1	1	2	10	6							
			9	35	1018·9	-	59·0	3·9	13·1	77	6·2	0	1	8	14	7	0	0	0	0	0	1	1	4	3	11	7	4	0	0	19	9	2	0	0	3	2	1	2	9	8							
Lancashire	Squires Gate	H	15	35	1018·9	-	62·9	5·9	13·3	68	4·6	1	8	4	15	2	0	0	0	0	0	0	1	1	1	9	8	11	0	0	15	15	0	0	0	2	2	1	2	14	9							
			21	35	1019·1	-	57·7	3·6	12·6	77	5·8	0	5	3	17	5	0	0	0	0	0	0	2	2	12	10	4	0	1	13	14	2	1	1	4	0	2	4	12	4							
			3	85	1018·7	-	54·5	2·3	12·4	85	5·7	2	2	4	16	6	0	0	0	0	0	0	1	1	9	8	10	1	0	1	10	19	0	0	1	3	2	3	4	9							
			9	85	1019·2	-	59·3	4·8	12·5	72	6·0	0	1	8	14	7	0	0	0	0	0	0	1	2	7	8	6	6	0	1	13	16	0	1	0	1	2	3	6	10							
	Speke ..	H	15	85	1019·1	-	64·8	8·1	12·2	58	4·8	0	6	10	10	4	0	0	0	0	0	0	1	0	5	9	11	5	0	2	16	12	0	2	0	1	2	3	6	15							
			21	85	1019·4	-	58·9	4·5	12·5	73	4·8	1	7	8	9	5	0	0	0	0	0	1	1	6	9	10	3	0	0	8

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TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
7a ENGLAND, N.W.—*cont.*																	
			3	251	1018·7	–	52·8	2·1	12·0	87	5·8	0	5	5	11	9	0
Cheshire	Manchester Airport	H	9	251	1019·0	–	59·4	5·1	12·3	71	6·2	0	1	6	17	6	0
			15	251	1018·6	–	65·6	8·8	11·9	56	5·4	0	5	8	12	5	0
			21	251	1019·3	–	58·1	4·7	12·1	72	5·2	0	6	8	12	4	0
7b NORTH WALES																	
			3	29	1018·7	–	53·5	1·3	12·9	91	5·5	4	2	2	15	7	0
Anglesey	Holyhead .. (Valley)	H	9	29	1019·4	+3·3	59·0	3·6	13·4	78	5·2	2	2	9	13	4	0
			15	29	1019·4	–	62·5	5·5	13·7	71	4·4	1	9	7	12	1	0
			21	29	1019·3	–	56·6	2·2	13·6	86	4·6	1	8	8	9	4	0
8a SOUTH WALES																	
			3	379	1019·5	–	52·9	1·4	12·5	91	4·7	1	10	3	10	5	1
Cardigan	Aberporth ..	H	9	379	1020·0	–	58·1	3·3	13·3	81	5·2	0	7	6	14	3	0
			15	379	1019·9	–	61·1	5·1	13·1	71	4·3	0	9	9	10	2	0
			21	379	1020·2	–	55·7	2·6	12·8	84	4·4	0	10	5	11	4	0
			3	123	1019·7	–	55·4	1·8	13·3	88	5·2	1	4	9	7	8	1
Glamorgan	Mumbles Head	H	9	123	1020·2	–	58·7	3·2	13·7	81	5·2	1	6	7	8	8	0
			15	123	1020·1	–	61·9	5·0	13·7	73	5·6	0	4	8	11	7	0
			21	123	1020·3	–	58·3	3·0	13·7	82	5·3	0	5	11	5	9	0
			3	225	1019·9	–	53·4	1·3	12·7	91	5·1	1	8	2	13	4	2
	Rhoose ..	H	9	225	1020·6	–	59·2	3·7	13·6	78	5·5	0	5	7	13	5	0
			15	225	1020·2	–	63·9	6·3	13·5	67	5·7	0	4	4	20	2	0
			21	225	1020·7	–	56·7	2·6	13·2	84	4·8	0	7	12	6	5	0
8b ENGLAND, S.W.																	
			3	35	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset	Portland Bill	H	9	35	1020·3	–	58·1	2·2	14·3	86	4·8	1	9	5	6	6	3
			15	35	1020·0	–	61·0	3·3	14·8	81	5·4	1	4	7	10	7	1
			21	35	–	–	–	–	–	–	–	–	–	–	–	–	–
			3	305	1019·5	–	55·6	2·0	13·3	87	4·9	0	5	11	9	3	2
Devon	Hartland Pt.	H	9	305	1020·0	–	57·8	3·0	13·4	82	5·5	0	4	9	10	5	2
			15	305	1020·2	–	60·1	4·3	13·4	75	4·8	0	6	12	6	5	1
			21	305	1020·3	–	57·2	2·3	13·6	84	4·9	0	7	10	8	4	1
			3	100	1020·4	–	55·1	1·7	13·3	89	5·2	1	8	4	6	10	1
	Plymouth (Mount Batten)	H	9	100	1020·8	+3·1	60·2	4·2	13·4	76	4·8	1	7	9	8	5	0
			15	100	1020·8	–	63·3	6·3	13·0	66	5·2	0	5	10	11	4	0
			21	100	1021·3	–	58·0	3·2	13·2	80	4·6	0	10	7	8	5	0
			3	23	1020·2	–	54·6	1·2	13·6	92	5·6	0	2	12	10	5	1
	Chivenor ..	H	9	23	1020·6	–	61·4	3·9	14·6	79	5·1	1	4	9	11	5	0
			15	23	1020·6	–	65·2	6·3	14·4	68	5·0	1	4	9	13	3	0
			21	23	1020·9	–	57·7	2·2	14·2	87	5·2	0	6	7	11	6	0
			3	125	1020·3	–	52·8	1·3	12·6	91	4·9	0	8	6	7	8	1
	Exeter ..	H	9	125	1020·7	–	60·8	4·3	13·6	75	5·6	1	4	5	13	7	0
			15	125	1020·3	–	65·5	6·9	13·8	65	5·3	1	4	8	12	5	0
			21	125	1021·1	–	57·1	2·8	13·3	83	4·8	0	9	7	7	7	0
			3	199	1020·5	–	55·8	2·0	13·3	87	4·6	0	11	6	5	5	3
Cornwall	St.Mary's, Scilly	H	9	199	1021·1	+3·4	59·0	3·5	13·6	80	5·5	1	4	8	7	8	2
			15	199	1021·5	–	61·2	5·2	12·9	71	4·7	0	4	14	8	2	2
			21	199	1021·1	–	57·0	2·6	13·3	84	4·8	1	4	13	5	5	2
			3	350	1020·4	–	54·4	1·4	13·2	91	5·0	1	6	9	7	5	2
	St. Mawgan	H	9	350	1021·0	–	59·6	3·7	13·7	78	5·2	0	7	6	12	5	0
			15	350	1021·2	–	61·7	5·3	13·3	71	5·2	0	7	11	8	4	0
			21	350	1021·4	–	56·2	2·1	13·4	86	5·3	0	3	11	10	5	1
NORTHERN IRELAND																	
			3	13	1016·8	–	52·0	1·8	11·8	87	5·9	1	2	6	13	8	0
Londonderry	Ballykelly	H	9	13	1017·3	–	57·8	3·9	12·7	77	6·2	1	2	6	16	5	0
			15	13	1016·9	–	62·8	6·7	12·7	65	5·0	1	4	11	11	3	0
			21	13	1017·3	–	56·4	3·2	12·5	80	5·8	0	4	6	15	5	0
			3	220	1017·6	–	51·0	1·0	12·1	92	5·6	0	5	7	10	8	0
Antrim	Aldergrove	H	9	220	1018·1	+2·6	57·0	3·5	12·6	79	6·5	0	3	2	17	8	0
			15	220	1017·7	–	62·3	6·1	13·0	67	5·7	0	5	4	17	4	0
			21	220	1018·0	–	56·4	3·4	12·5	79	5·7	0	4	9	10	7	0
			3	356	1017·7	–	50·7	1·2	11·7	91	6·1	1	2	6	10	11	0
	Nutts Corner	H	9	356	1018·2	–	56·1	3·3	12·3	80	6·6	0	2	3	16	9	0
			15	356	1017·7	–	62·4	6·4	12·6	65	5·9	1	2	4	19	4	0
			21	356	1018·1	–	56·1	3·5	12·1	78	6·1	0	4	5	13	8	0

DISTRICT, COUNTY AND PLACE			VISIBILITY: Number of Observations 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
													Speed in knots 34 or more	22 to 33	11 to 21	1 to 10	0							
7a ENGLAND, N.W.—*cont.*																									
			–	–	0	1	0	5	13	10	1	0	0	0	5	21	4	1	1	4	1	7	6	4	2
Cheshire	Manchester Airport	H	–	–	0	0	0	3	8	9	8	2	0	1	10	17	2	0	1	3	1	8	3	6	6
			–	–	0	0	0	0	5	7	13	5	0	1	16	13	0	0	1	3	1	2	7	10	6
			–	–	0	0	0	3	9	14	3	1	0	0	7	21	2	0	2	3	0	4	4	6	9
7b NORTH WALES																									
			–	–	0	0	0	1	2	7	17	3	1	2	8	15	4	2	2	2	3	4	4	5	4
Anglesey	Holyhead .. (Valley)	H	–	–	0	0	0	1	0	3	6	10	10	0	1	15	14	0	3	0	1	1	6	7	6
			–	–	0	0	0	0	0	2	3	9	16	0	2	15	12	1	5	0	1	0	3	14	4
			–	–	0	0	1	0	0	7	9	13	0	3	8	17	2	3	2	4	0	8	5	4	2
8a SOUTH WALES																									
			–	–	1	0	0	0	3	10	10	5	0	1	10	12	7	2	0	1	0	8	3	5	4
Cardigan	Aberporth ..	H	–	–	0	0	0	0	2	3	6	10	9	0	1	12	17	0	5	1	1	2	5	1	11
			–	–	0	0	0	0	0	0	7	6	17	0	2	14	14	0	8	0	1	1	5	3	9
			–	–	0	0	0	0	0	0	9	9	12	0	1	9	15	5	3	0	0	2	4	7	9
			–	–	0	1	0	1	8	18	2	0	0	1	11	16	2	3	2	3	1	4	1	11	3
Glamorgan	Mumbles Head	H	–	–	0	2	2	3	5	15	3	0	1	1	13	12	3	4	0	4	1	7	4	6	1
			–	–	0	0	0	0	9	13	8	0	0	5	9	16	0	0	0	2	1	2	12	12	1
			–	–	0	0	0	1	8	19	1	1	0	1	14	13	2	2	0	2	1	0	6	13	4
			–	–	1	1	1	2	5	8	10	2	0	0	7	19	4	1	4	4	0	2	1	7	7
	Rhoose ..	H	–	–	0	0	0	2	8	5	11	4	0	0	14	15	1	1	1	5	3	3	6	7	3
			–	–	0	0	0	0	3	8	6	13	0	7	16	7	0	0	1	5	1	0	3	19	1
			–	–	0	0	0	0	8	7	5	10	0	0	12	17	1	1	2	2	1	1	1	15	6
8b ENGLAND, S.W.																									
			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset	Portland Bill	H	–	2	1	0	0	0	5	6	4	12	0	1	11	15	3	2	2	4	0	2	7	8	2
			–	0	1	0	0	0	7	3	10	9	0	2	12	15	1	0	0	8	0	3	3	15	0
			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			–	2	0	0	0	0	2	16	8	2	0	2	7	20	1	2	2	6	0	1	9	8	1
Devon	Hartland Pt.	H	–	2	0	0	0	1	1	16	9	1	0	3	6	19	2	3	3	3	0	0	3	11	5
			–	1	0	0	0	0	6	9	8	6	0	2	7	21	0	3	3	0	1	0	3	14	6
			–	1	0	0	0	0	5	9	13	2	0	2	5	22	1	3	3	0	2	0	5	12	4
			–	1	0	0	1	3	10	10	5	0	0	1	7	15	7	3	2	3	0	4	2	6	3
	Plymouth (Mount Batten)	H	–	1	0	0	1	0	2	7	7	10	4	0	2	12	14	2	2	1	4	0	5	6	4	6
			–	0	0	0	1	0	3	8	8	10	0	1	21	8	0	1	0	2	1	10	6	3	7
			–	1	0	0	1	2	5	8	9	4	0	0	8	15	7	2	2	2	0	3	2	6	6
			–	0	0	1	0	0	8	10	11	0	0	0	8	14	8	2	0	7	3	3	0	5	2
	Chivenor ..	H	–	0	0	0	0	1	4	4	11	10	0	1	11	17	1	1	0	6	2	2	4	8	6
			–	0	0	0	0	1	4	3	11	11	0	0	19	11	0	1	3	1	4	0	3	11	7
			–	0	0	0	0	1	4	8	9	8	0	2	5	21	2	1	0	2	1	2	4	12	6
			–	0	0	1	0	2	6	5	9	5	0	0	5	15	10	1	2	1	1	6	0	4	5
	Exeter ..	H	–	0	0	0	0	2	4	7	5	12	0	1	14	9	6	3	2	2	0	4	2	2	9
			–	0	0	0	0	1	3	4	7	15	0	4	16	10	0	3	2	0	4	6	4	1	10
			–	0	0	1	0	1	9	2	5	12	0	0	2	20	8	1	1	1	5	1	1	6	6
			–	0	0	1	0	0	7	8	6	7	0	1	15	10	4	3	4	2	1	1	4	5	6
Cornwall	St.Mary's, Scilly	H	–	0	0	1	0	0	7	8	6	7	0	3	12	14	1	3	5	2	4	3	0	7	5
			–	2	0	0	0	0	3	6	8	11	0	4	10	16	0	5	2	1	2	2	4	9	5
			–	0	0	0	0	0	4	7	12	5	0	2	13	12	3	3	5	2	1	2	3	5	6
			–	1	0	1	1	1	7	9	9	1	0	0	10	15	5	1	2	3	3	4	3	4	5
	St. Mawgan	H	–	0	0	0	2	0	1	7	12	7	0	3	13	14	0	5	2	0	3	3	3	6	6
			–	0	0	0	0	0	3	7	10	10	0	3	20	7	0	7	4	0	0	3	1	1	13	5
			–	0	1	0	0	3	5	6	11	4	0	0	10	17	3	4	4	0	1	3	1	11	3
NORTHERN IRELAND																									
			–	–	0	0	0	0	6	11	8	5	0	0	9	14	7	0	0	1	3	5	2	10	2
Londonderry	Ballykelly	H	–	–	0	0	0	0	5	4	12	9	0	1	13	13	3	3	0	0	6	2	2	11	3
			–	–	0	0	0	0	1	2	11	16	0	1	14	14	1	4	1	0	4	3	4	8	5
			–	–	0	0	0	0	0	4	12	10	0	1	7	16	6	2	0	3	5	3	3	5	3
			–	–	0	0	0	0	2	0	7	8	11	2	0	0	9	15	6	1	1	5	1	2	5	4
Antrim	Aldergrove	H	–	–	0	0	0	0	0	0	6	6	11	7	0	2	9	16	3	3	0	2	5	3	3	6	5
			–	–	0	0	0	0	0	1	1	6	9	13	0	1	13	16	0	4	1	2	6	2	3	9	3
			–	–	0	0	0	0	0	1	2	7	11	9	0	2	5	19	4	5	0	1	8	3	3	5	1
			–	–	0	0	0	2	0	7	6	9	6	0	0	8	12	10	1	0	0	2	3	4	3	5	2
	Nutts Corner	H	–	–	0	0	0	0	1	7	2	10	10	0	0	15	15	0	0	0	1	6	2	2	5	10	6
			–	–	0	0	0	0	0	2	4	8	16	0	0	2	17	11	0	5	0	2	6	2	3	7	5
			–	–	0	0	0	0	0	1	3	4	8	14	0	0	6	21	3	3	2	0	10	1	5	4	2

H *See* Notes on Tables in the Introduction.

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, JUNE 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	835	26	111	16	536·8	30	418	29	100	25	265·9	30	949	26	151	16	644·7	30
Eskdalemuir	846	14	113	5	445·0	30	350	22	98	14	254·0	30	821	14	124	5	436·0	30
Cambridge	882	20	293	25	596·9	27	399	23	152	20	300·2	27	-	-	-	-	-	-
Kingsway	923	14	247	25	573·4	30	478	6	184	14	303·6	30	878	14	262	25	584·6	30
Kew	796	14	198	25	504·2	30	349	21	113	17	247·3	30	895	17	206	25	518·0	30
Aberporth	882	17	253	5	673·0	30	417	15	141	14	280·8	30	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN JUNE 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	1	26	3	0	0	0	0	0	0	0	3	25	2	0
Stornoway	0	0	0	16	13	1	0	0	0	0	0	0	6	14	10	0
Craibstone	0	0	0	13	13	3	1	0	0	0	0	0	3	21	6	0
Rothesay	-	-	-	-	-	-	-	-	0	0	0	0	0	18	12	0
Renfrew	0	0	0	5	20	5	0	0	0	0	0	0	0	14	16	0
Eskdalemuir	0	0	0	9	18	3	0	0	0	0	0	1	6	18	5	0
Douglas	0	0	0	10	17	3	0	0	0	0	0	0	0	13	17	0
Cockle Park	0	0	0	7	19	3	1	0	0	0	0	0	5	22	3	0
Gorleston	0	0	0	4	20	5	1	0	0	0	0	0	0	10	19	1
Cambridge	0	0	0	0	7	19	4	0	0	0	0	0	3	14	13	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	0	2	16	10	2	0	0	0	0	0	0	14	14	2
Kew Observatory	0	0	0	0	12	16	2	0	0	0	0	0	0	7	19	4
Hastings	0	0	0	1	20	9	0	0	0	0	0	0	0	8	21	1
Southampton	0	0	0	0	7	21	2	0	0	0	0	0	0	11	18	1
Stonyhurst	0	0	0	4	17	9	0	0	0	0	0	0	0	17	13	0
Bidston Observatory	0	0	0	2	22	6	0	0	0	0	0	0	0	8	22	0
Holyhead (Valley)	0	0	0	3	21	6	0	0	0	0	0	0	0	9	20	1
Falmouth	0	0	0	2	23	5	0	0	0	0	0	0	0	5	25	0
Aldergrove	0	0	0	4	18	8	0	0	0	0	0	0	4	10	16	0
Armagh	0	0	0	2	18	9	1	0	0	0	0	0	3	13	14	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in. (0·2mm.) or more	Precip'n ·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
Year 1957	Prestwick	999	17												117														
Year 1958	Colwyn Bay	999	118	55·8	44·9	50·3	-0·2	76	-	25	-	-	-	35·69	121	1·74	3Sep	201	158	10	5	7	6	-	29	-	4	3·55	88
1959																													
January	Shipston-on-Stour	999	365																								-		
	Cirencester	999	443																								-		
	Ramsgate	999	80																								-		
	Bath	999	67																								-		
February	Bwlchgwyn	999	1267	43·5	33·4	38·5	-	55	27	24	9,10	38·8	-	1·58	-	1·28	21	8	6	0	0	0	0	7	13	13	1	-	-
March	Woolhampton	999	370	51·9	38·5	45·2	-	60	1,2	31	19	44·1	-	2·76	162	·65	3	17	12	0	0	1	1	5	1	9	0	-	-

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31 DEC 1959

DUPLICATE

M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntar[illegible]

Volume 76 Number 7 Published by HER MAJESTY'S STATIONERY OFFICE

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July 1959—*Dry over most of England. Sunny and warm generally except in western Scotland*

For the greater part of the month a ridge of high pressure extended north-eastwards from an anticyclone near the Azores towards north-west Europe. Sometimes this ridge covered the British Isles giving warm sunny weather, especially in the south, but often it moved south to allow weak Atlantic fronts to cross the country. During the last six days of the month weather became generally unsettled and rather cool.

Weak fronts in a moist south-westerly airstream gave cloudy weather with some slight occasional rain in most districts during the first three days of the month. Meanwhile an anticyclone had been moving eastwards from the Bay of Biscay and as pressure rose over Germany on the 4th, wind over the British Isles became light but mainly southerly and weather sunny and warm generally except in northern Scotland. Many places recorded between 14 and 15 hours of sunshine and temperature rose into the eighties in most districts and reached 88°F. at Cromer. On the 5th thunderstorms, associated with an eastward moving weakening upper trough, broke out in western districts and moved slowly across the country reaching south Yorkshire and Lincolnshire during the afternoon. In many midland and eastern districts the 5th was the warmest day of the year, so far, with afternoon temperatures exceeding 90°F.; Gunby recorded 96°F. and Cromer 94°F.

A ridge was re-established over the country on the 6th and a small centre of high pressure moved eastward across southern England to Germany during the next two days maintaining warm sunny weather over most of England and Wales with temperature again reaching 90°F. on the 8th. 1000–500 mb. thickness values in the ridge became exceptionally high over Germany (5760 m. was measured on the 9th), but by this time a strong south-westerly thermal gradient existed between the European ridge and an eastern Atlantic trough, and thundery low pressure systems moved north-eastwards from Spain giving widespread thunderstorms over southern England from the 9th to the 11th. On the 9th maximum temperatures in parts of southern England were some 10°F.–15°F. lower than the previous day as thunderstorms moved north-east from Poole to East Anglia; during one of these storms ·75 in. of rain fell at Watford in 10 min. Violent thunderstorms with torrential rain broke out on the night of the 10th/11th and among the many remarkable falls which were recorded that night was one of 1·75 in. at Northolt in 30 min. Later on the 11th a warm front, associated with a vigorous depression off north-west Scotland, brought further rain to most districts. Winds veered to north-west the next day and there were bright periods with scattered thundery showers in most districts as the depression moved away north-eastward between Scotland and Norway.

A ridge from an Atlantic anticyclone extended over southern England on the 13th marking the beginning of a warm mainly dry spell, which lasted in many southern districts until the 25th. During this period wind was mostly light south-westerly or variable and temperature generally above average, particularly in the south where 80°F. was exceeded in many places. Weak fronts moved in from the Atlantic on a number of occasions but gave little or no rain in the Midlands and southern England except on the night of the 16th/17th when it was fairly widespread. There were falls of over 1 in. at several places in the north-west of England on this occasion.

The anticyclonic weather began to break up on the night of the 25th/26th with the approach of a trough from the Atlantic which brought thunderstorms to western districts. Thundery rain subsequently spread over the whole country. On the 27th a s low moving depression, previously off western Scotland, became centred over Northern Ireland, and many places in Scotland and north-west England had more than 1 in. of rain in 24 hr. on both the 26th and 27th. Frequent and widespread thundery rain and thunderstorms continued until the 29th as the depression moved to south-east England, but as it moved away eastward to the continent the last two days of the month were cooler and drier with northerly winds and only scattered showers.

Pressure and Wind. Mean pressure was everywhere above the 1921–50 average, the excess at 9 h. ranging from 1·8 mb. at Stornoway to 3·3 mb. at Spurn Head. Winds were predominantly south-westerly for most of the month although they were light and variable in south and south-east England on 4th–10th and over most of the country on 21st–24th, and north-westerly or northerly winds prevailed on 12th–13th and 29th–31st. Wind reached gale force locally in Scotland on 6th, 12th, 13th and 19th and in England and Wales on the 1st, 2nd, 9th, 13th and 22nd; a gust of 52 kt. was reported at Moor House on the 2nd.

Temperature. It was the sixth successive month with mean temperature above the 1921–50 average, the excess being 1·8°F. in England and Wales, 1·1°F. in Scotland and 1·3°F. in Northern Ireland. The warmest days were around the 4th and 25th in Scotland and western England, and on the 5th in east and south-east England where temperature exceeded 90°F. at many places. Maximum temperatures of 90°F. and over have been recorded during 11 of the last 25 Julys but 96°F. has not been reached in July since 1923.

Extremes included: (England and Wales) 96°F. at Gunby on the 5th, 32°F. at Moor House on the 15th; (Scotland) 82°F. at Sourhope on the 25th, 33°F. at Kincraig on the 14th; (Northern Ireland) 79°F. at Ballykelly on the 25th, 35°F. at Parkmore Forest on the 12th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 84 in England and Wales, 119 in Scotland and 106 in Northern Ireland. In Scotland nearly twice the average fell in part of Ross-shire but the east was much drier and part of Aberdeenshire had only half the average. Most of England and Wales had just over half the average but there were isolated areas of much higher rainfall, a reflection of the thundery outbreaks in the predominantly fine weather; for example in the London area the percentage ranged from 55 to 165. Many stations in south-east England reported 15 days without measurable rain commencing the 11th.

Thunder was heard on 16 days in Scotland and on the 5th, 6th, 8th–13th, 17th, 18th and 23rd–30th (18 days) in England and Wales where thunderstorms were widespread, and in the south often unusually severe, on the 5th, 9th–11th and 26th–29th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 132 over England and Wales, where it was the third successive month with sunshine above average, 97 in Scotland and 98 in Northern Ireland. In south-east England sunshine was 150 per cent. of the average at places along the south coast and nowhere less than 130 per cent. In Scotland however sunshine was considerably below average in the west; at Stornoway it was the dullest July since 1939.

Fog. Early morning fog occurred at one place or another on 8 days; it was most prevalent on the 11th.

Miscellaneous Phenomena. The aurora was observed in Scotland on two nights.

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

MWR dup

TABLE I—DISTRICT VALUES— JULY, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	78	33	+0·9	+1·4	+1·1	—	—	113	+0	79
Eastern										
1 SCOTLAND, E.	82	34	+2·4	+0·9	+1·6	—	—	76	-6	111
2 ENGLAND, N.E.	96	37	+2·8	+0·3	+1·5	+1·0	+0·4	76	-5	127
3 ENGLAND, E.	94	33	+3·1	+0·7	+1·9	+1·6	+1·6	93	-2	139
4 MIDLAND COUNTIES	93	35	+3·0	+1·2	+2·1	+2·3	+2·4	79	-3	133
5 ENGLAND, S.E.	94	40	+3·7	+0·7	+2·2	+2·2	+2·2	62	-5	141
Western										
6 SCOTLAND, W.	81	35	+0·7	+0·5	+0·6	+0·9	+0·8	129	-2	102
7 ENGLAND, N.W. (*and N. Wales*)	85	32	+2·1	+1·5	+1·9	+1·2	+1·6	99	-1	126
8 ENGLAND, S.W. (*and S. Wales*)	86	38	+2·5	+0·1	+1·3	+2·2	+2·2	98	-3	126
NORTHERN IRELAND	79	35	+1·6	+1·0	+1·3	—	—	—	-3	98

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JULY, 1959 [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	9	49	420	249	26	0	12·7	250	31	7 15	46	7	1425
Orkney Grimsetter	135	51	33	–	0	2	17	322	327	78	0	9·9	310	25	13 10	44	13	1345
Caithness Dounreay ...	112	41	33	–	0	2	26	212	387	104	15	9·0	290	30	13 03	47	13	0025
Ross & Cromarty Stornoway (Coastguard)	120	40	36	–	0	11	64	367	194	119	0	11·6	190	30	10 23	43	13	0215
Inverness Benbecula	69	51	35	–	0	8	55	410	229	50	0	12·2	320	30	12 22	42	12	2125
1 Aberdeen Dyce	225	40	40	–	0	2	7	115	312	310	0	5·6	310	25	13 11	40	13	1045
Angus Bell Rock Lighthouse	128	131	124		0	7	28	336	264	116	0	10·3	210	31	12 12	42	12	1115
Perth Rannoch	1006	56	57	–	0	2	7	310	280	131	16	9·2	230	28	8 13	40	8	1210
Fife Leuchars	79	41	41	–	0	3	13	197	304	230	0	7·5	220	26	12 11	46	12	0955
Midlothian Edinburgh	485	39	23	–	0	2	11	206	344	183	0	7·8	230	27	12 07	46	12	1005
6a Argyll Tiree	89	60	47	–	0	12	70	322	232	120	0	11·8	260	32	8 10	50	8	0925
Bute Millport	50	34	34	–	0	2	3	157	272	312	0	6·0	200	23	16 21	45	3	0020
Renfrew Paisley	188	81	31	–	0	0	0	120	419	205	0	6·5	230	20	12 05	41	2	2030
Renfrew	71	41	39	–	0	1	2	283	259	200	0	8·3	230	25	12 10	42	12	0510
Ayr Prestwick Airport	35	33	33	–	0	2	6	218	377	143	0	8·3	260	25	12 04	36	12	0320
Dumfries Eskdalemuir ..	825	50	35															
ENGLAND and WALES																		
6b Isle of Man Point of Ayre ..	70	40	35	–	0	2	19	241	359	125	0	8·9	260	28	12 02	44	12	0130
2 Durham Durham	389	53	33	–	0	0	0	86	346	310	2	5·3	300	21	13 10	40	13	0820
South Shields ..	73	57	44	–	0	0	0	193	377	174	0	7·5	280	21	13 10	35	13	1143
Yorks.,E.R. Spurn Head ..	64	44	34	–	0	3	8	273	399	63	1	9·5	340	23	30 16	33	30	1615
Lincoln Cranwell	288	47	47	–	0	1	4	135	289	316	0	5·9	260	23	2 14	43	12	1335
3 Norfolk Gorleston	52	42	34	ø														
Suffolk Mildenhall	98	83	60	–	0	0	0	131	441	172	0	6·5	230	21	2 02	42	28	1350
Felixstowe	85	75	65	–	0	5	21	267	335	121	0	9·2	190	26	12 04	39	2	0640
Bedford Dunstable	567	55	33	–	0	0	0	131	499	114	0	7·0	230	18	2 01	29	1	2145
Cardington	285	150	135	–	0	4	33	159	320	232	0	7·8	220	28	2 01	39	1	2050
Herts. Stevenage	564	111	65	–	0	2	3	200	423	118	0	7·9	250	22	2 11	40	2	0020
Essex Coryton	66	57	48	–	0	0	0	100	453	158	33	6·4	250	18	2 11	29	27	1645
Shoeburyness ..	115	104	89	–	0	3	9	320	312	103	0	9·6	210	24	27 17	38	2	0820
4 Yorks.,W.R. Sheffield	533	83	35															
Leicester Leicester	266	66	45	*														
Warwick Birmingham ..	643	118	73	–	0	0	0	91	575	78	0	6·8	240	16	2 24	32	2	0105
Stafford Keele	706	50	40	–	0	0	0	40	290	414	0	3·8	230	18	1 22	40	1	2115
Gloucester Avonmouth ..	92	61	33	–	0	5	27	193	191	333	0	7·0	270	26	12 16	40	12	0945
5 London Kingsway	231	160	40	–	0	0	0	70	431	243	0	5·4	220	16	27 16	26	2	1600
Middlesex Hampton	139	101	100	–	0	0	0	119	425	200	0	6·4	230	19	11 18	36	28	1445
Surrey Kew Observatory ..	92	75	50	–	0	0	0	161	418	165	0	7·1	220	20	27 16	38	28	1535
Kent Isle of Grain ..	48	40	33	–	0	0	0	132	278	334	0	5·3	220	20	27 15	36	2	0830
Dungeness ..	70	50	33															
Dover	68	38	62	–	0	3	6	262	316	156	4	8·7	210	27	28 10	46	11	1135
Sussex Thorney Island ..	75	65	42	–	0	0	0	114	309	321	0	5·5	230	18	28 15	36	28	1550
Hants. Southampton (Eastleigh)	95	60	41	–	0	0	0	161	401	182	0	7·1	230	19	27 15	39	9	1052
S. Farnborough ..	318	69	35	–	0	0	0	49	184	511	0	3·3	260	17	28 11	33	30	1220
Berks. Abingdon	295	40	40	–	0	0	0	111	307	326	0	5·3	250	21	2 02	35	1	1540
Wiltshire Larkhill	491	51	36	–	0	0	0	133	407	204	0	6·4	020	17	9 16	35	12	1045
Porton	406	44	44	–	0	0	0	144	329	271	0	6·2	220	21	27 18	31	27	1450
7a Cumberland Sellafield	83	39	35	–	0	3	18	219	350	157	0	8·2	260	25	12 03	39	12	0235
Westmorland Moor House ..	1960	50	45	–	0	8	65	296	267	102	14	11·4	–	33	3 03	52	2	0130
Lancashire Southport	59	41	33	–	0	6	69	107	295	218	55	8·3	290	30	13 01	43	12	0940
Speke	180	100	65	–	0	4	19	216	371	138	0	8·8	250	30	1 20	41	1	2005
Cheshire Bidston Observatory	262	64	39	–	0	5	19	83	247	384	11	–	290	23	13 01	44	13	0122
Manchester Airport	318	70	30	–	0	1	1	190	397	156	0	7·5	220	22	1 20	34	3	0500
7b Anglesey Holyhead (Valley)..	76	50	40	–	0	8	63	330	244	107	0	11·4	230	31	1 19	43	11	1830
8a Cardigan Aberporth	483	41	41	–	0	7	32	304	335	73	0	10·4	250	28	2 02	45	2	0200
Pembroke Kete	249	49	37	–	0	5	21	268	348	58	49	10·1	270	27	12 16	36	11	2340
Milford Haven ..	246	50	35	–	0	2	6	196	341	201	0	7·4	300	23	12 14	42	12	1325
Glamorgan Port Talbot ..	91	40	35	–	0	3	8	250	319	167	0	8·5	350	23	12 15	33	12	1433
8b Devon Plymouth	191	88	65	–	0	0	0	211	375	158	0	7·7	–	20	11 19	28	11	1815
Cornwall St. Mary's, Scilly ...	230	65	57	–	0	4	27	347	285	85	0	10·9	290	27	28 01	42	27	2305
The Lizard	315	75	60	–	0	5	20	342	250	132	0	10·2	260	26	28 15	40	27	2055
NORTHERN IRELAND																		
Londonderry Ballykelly ..	52	50	35	–	0	1	1	141	343	259	0	6·2	280	23	11 23	39	11	2205
Antrim Aldergrove ..	281	65	55	–	0	2	5	236	331	172	0	7·9	290	26	11 24	43	11	2310
Nutts Corner ..	344	31	31	–	–	–	–	–	–	–	–	–	290	24	12 18	37	12	1820
CHANNEL ISLES																		
Jersey Airport ..	359	86	50	–	0	5	24	376	312	32	0	11·4	270	28	29 07	39	29	0455

ø Anemograph dismantled for re-erection.
* Record ceased temporarily.

MONTHLY WEATHER CHARTS JULY 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50

1011 1012 1013 1014 1015 1016 1017 1018 1019

1013 1014 1015 1016 1017 1018 1019

2. MOVEMENTS OF DEPRESSIONS

07/03 17/93 05/00 16/89 20/05 23/95 06/95 14/98 25/93 15/93 19/96 10/98 13/89 02/98 11/94 08/10 12/87 28/02 26/07 27/05 31/07 30/03 11/03 29/01 09/13 24/12

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

3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.

66 63 60 57

Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY

10·0 8·0 6·0 4·0

A.M.Form 1483

C.B.H. 26456-Wt. 44536-Dd. BK. 2328-125-9·55

RAINFALL
JULY 1959

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

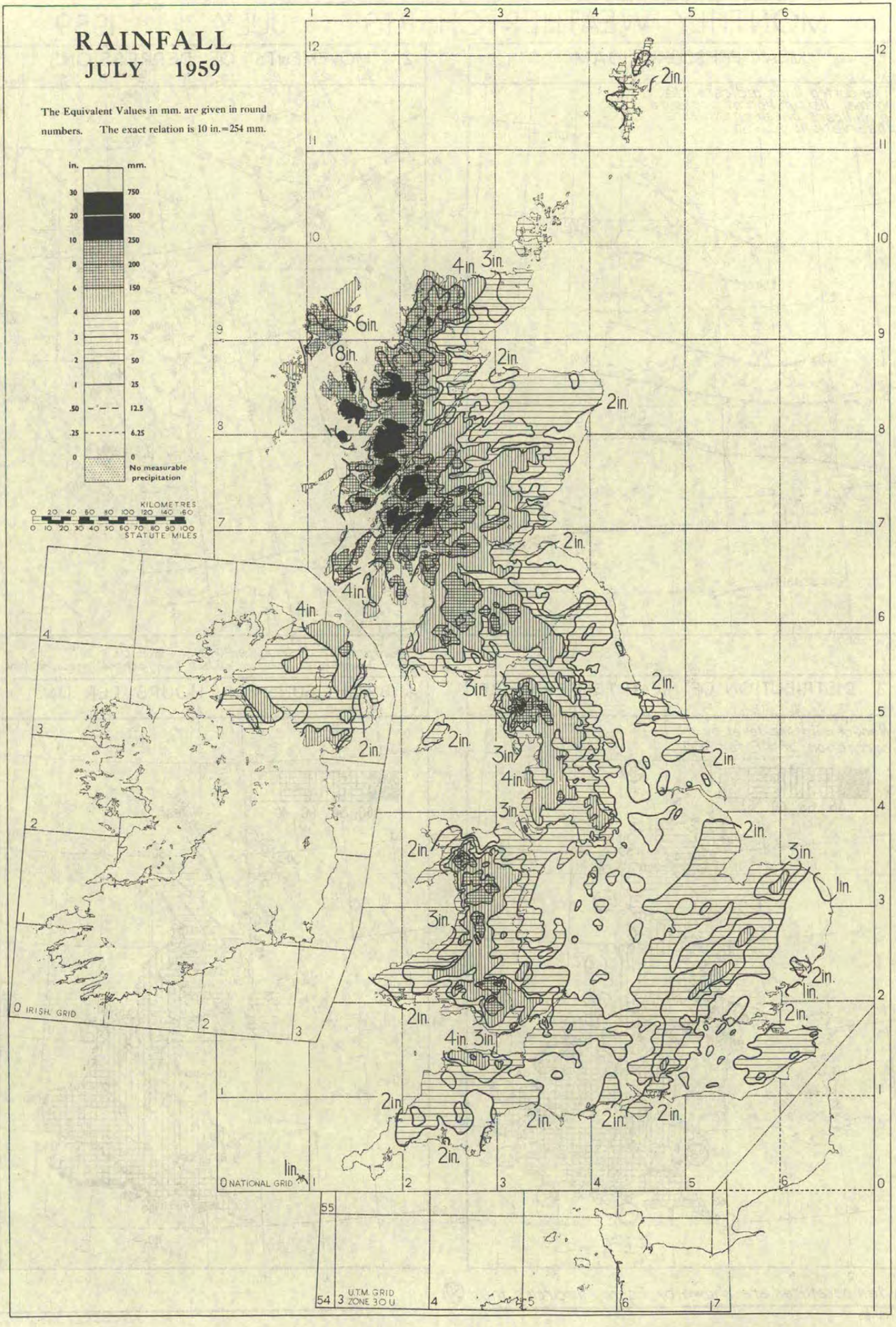

TABLE III —SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n .01 in. (0·2 mm.) or more	Precip'n .04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0 SCOTLAND, N.																												
Zetland Lerwick Obs'y. ¶§	21–9 9	269	58·7	50·7	54·7	+1·2	63	5,23,26	44	15	–	–	2·28	90	·45	1	17	11	0	0	0	1	3	0	0	1	4·32	102
Baltasound ...	9 9 9	78	59·7	50·6	55·1	–	65	17,25	43	15	52·9	–	2·80	106	·47	1	19	15	0	0	0	1	1	0	–	0	4·87	–
Orkney Sule Skerry ...	9 9 9	43	57·7	52·0	54·9	–	62	25	48	1,13,14	–	–	5·13	–	·81	11	21	16	0	0	0	0	1	0	0	0	–	–
Grimsetter ...	21–9 9	84	61·3	51·2	56·3	–	66	5,17,23	43	1	–	–	2·28	86	·53	11	18	13	0	0	0	1	0	0	0	0	4·08	–
Caithness Wick ... ¶§	21–9 9	119	61·7	51·6	56·7	+1·9	69	5,7	46	2	–	–	2·71	105	·45	28	19	14	0	0	0	1	0	0	0	0	3·55	75
Sutherland Cape Wrath ...	21–9 9	367	57·6	51·9	54·7	–	70	26	47	13,14	–	–	5·41	152	1·38	11	21	18	0	0	0	0	4	0	0	0	–	–
Lairg (Achany) ...	9 9 9	240	–	–	–	–	–	–	–	–	–	–	3·18	–	·45	26	20	16	–	–	–	–	–	–	–	–	–	–
Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Strathy	9 9 9	120	63·4	51·6	57·5	–	72	25	46	1, 9	–	–	4·03	–	·56	11	24	19	0	0	0	1	0	0	–	0	2·55	–
Ross & Cromarty Stornoway ¶§	21–9 9	11	60·0	51·9	55·9	+0·2	65	25	44	14	–	–	4·05	131	·65	16	25	19	0	0	0	1	0	0	0	0	2·41	55
Achnashellach ...	9 9 9	220	63·1	51·4	57·3	+0·4	76	25	38	14	–	–	11·16	194	1·73	12	26	19	–	–	–	–	–	–	–	–	–	–
Kinlochewe ...	9 9 9	76	64·2	52·7	58·5	–	77	25	42	14	–	–	9·59	–	1·73	11	21	19	0	0	0	1	0	0	0	0	2·05	– S
Garve (Inchbae)	9 9 9	526	62·9	49·6	56·3	–	(73)	4	39	10	–	–	4·74	–	·78	26	18	16	0	0	0	0	0	1	0	0	–	–
Fortrose ... ¶§	9 9 9	15	63·1	54·3	58·7	+1·3	70	4, 24	47	14	–	–	2·63	96	·51	27	14	11	0	0	0	0	0	0	–	2	4·25	91
Tarbatness ...	21–9 9	60	62·3	52·8	57·5	–	72	4	45	10,13	–	–	2·56	–	·61	27	16	10	0	0	0	1	0	0	–	0	–	–
Inverness Benbecula ...	21–9 9	19	59·8	52·8	56·3	–	68	25	47	14,18	–	–	5·22	143	·88	11	21	17	0	0	0	1	0	0	0	0	3·30	–
Isle of Rhum ...	9 9 9	15	63·1	52·5	57·8	–	74	25,26	42	14	61·0	56·4	12·76	–	2·89	11	26	21	0	0	0	2	0	0	0	3	–	–
Duntulm ...	9 9 9	294	59·3	51·5	55·4	–	68	25	45	14	–	–	7·18	187	1·65	11	24	20	0	0	0	1	0	0	0	1	2·42	– S
Onich ... §	9 9 9	48	62·3	51·7	57·0	–	73	25	40	14	–	–	8·46	142	1·68	11	20	19	0	0	0	1	0	0	1	0	2·60	72 S
Fort William ¶	9 9 9	34	64·2	52·6	58·4	+0·9	75	25	41	14	57·7	53·9	7·79	146	1·69	11	23	19	0	0	0	1	0	0	0	0	3·00	–
Fort Augustus ...	9 9 9	70	64·8	52·0	58·4	+0·9	78	25	38	14	–	–	3·44	–	·69	11	17	12	0	0	0	0	0	0	–	0	3·77	– S
Cannich	9 9 9	350	65·7	47·3	56·5	–	76	25	34	15	–	–	4·22	–	·83	26	15	13	0	0	0	1	0	0	1	0	–	–
Dalwhinnie ...	18–9 9	1176	62·3	47·1	54·7	–	72	25	34	10	–	–	4·04	117	·80	26	15	11	0	0	0	0	0	0	5	0	3·84	–
Inverness ...	9 9 9	13	66·1	53·6	59·9	–	75	4	46	14	–	–	2·17	–	·43	27	11	8	0	0	0	0	0	0	0	0	4·76	–
Kincraig	9 9 9	780	65·2	47·8	56·5	–	75	4, 25	33	14	–	–	2·04	–	·44	28	13	11	–	0	–	–	0	0	3	–	–	–
Glenmore Lodge	9 9 9	1120	63·9	47·8	55·9	–	77	4, 5	36	8	–	–	2·57	–	·99	28	13	10	0	0	0	2	0	0	3	0	4·88	– S
1 SCOTLAND, E.																												
Nairn Nairn ... ¶§	9 9 9	20	66·8	52·5	59·7	+2·0	77	4	46	10,14,22	–	–	2·19	80	·55	27	11	11	0	0	0	0	0	0	0	0	4·55	100
Moray Grantown-on-Spey	9 9 9	720	66·5	45·8	56·1	–	77	25	38	9,10,17	–	–	1·97	–	·42	27	18	9	–	0	–	–	0	0	0	–	–	–
Forres	9 9 9	155	67·2	51·8	59·5	–	77	25	45	10	60·6	55·3	1·85	65	·65	27	13	11	0	0	0	1	0	0	0	0	4·25	–
Kinloss ...	21–9 9	15	66·4	52·1	59·3	–	76	25	45	10,15,21	–	–	1·74	–	·57	27	15	10	0	0	0	1	0	0	0	0	4·61	–
Findhorn ...	21 21 9	20	66·1	53·3	59·7	–	75	4	43	9	–	–	1·89	–	·55	27	16	11	0	–	0	1	–	0	0	0	–	–
Elgin	9 9 9	92	67·9	52·5	60·2	–	80	25	45	10	–	–	2·45	–	·83	27	15	8	0	0	0	0	–	0	0	0	4·33	–
Gordon Castle ...	9 9 9	104	68·4	50·2	59·3	+0·9	79	25	42	13	–	–	2·79	91	·81	27	15	11	–	0	–	–	–	0	–	0	4·41	94
Banff Glenlivet... ...	9 9 9	1085	64·8	46·7	55·7	–	77	4	34	10	53·2	–	2·50	73	·51	27	17	11	0	0	0	2	1	0	5	0	4·96	–
Banff	9 9 9	80	67·1	–	–	–	(79)	25	–	–	–	–	2·02	–	·51	27	13	10	0	0	0	1	2	0	–	0	4·91	–
Aberdeen Braemar	9 9 9	1113	64·4	47·4	55·9	+0·3	74	4	36	10,31	–	–	2·79	94	·77	27	13	11	0	0	0	0	0	0	–	0	4·75	– S
Balmoral... ...	9 9 9	927	65·5	47·0	56·3	+0·7	76	4	35	10	–	–	2·78	92	·66	28	12	9	0	0	0	0	–	0	–	0	–	–
Logie Coldstone	9 9 9	608	67·1	48·8	57·9	+0·8	79	4	35	15	–	–	2·40	–	·60	27	14	10	0	0	0	0	2	–	0	–	–	–
Fyvie Castle ...	9 9 9	218	67·7	50·6	59·1	–	82	4	41	21	–	–	2·42	–	·75	27	15	11	0	0	0	0	–	0	0	–	4·77	–
Craibstone ¶§	9 9 9	300	66·0	50·9	58·5	+1·9	75	4	42	15	58·5	54·1	1·67	50	·48	12	12	8	0	0	0	0	3	2	0	1	6·05	120
Dyce	21–9 9	190	67·4	50·6	59·0	–	78	4	41	15	–	–	1·76	51	·51	27	13	8	0	0	0	0	3	0	0	0	5·92	–
Aberdeen ...	9 9 9	170	65·9	51·5	58·7	–	76	4	43	15	–	–	1·64	50	·53	27	12	10	0	0	0	0	1	2	0	0	6·16	–
Udny	9 9 9	363	66·8	–	–	–	77	4	–	–	–	–	2·47	–	·87	5	14	9	0	0	0	0	2	0	–	–	4·75	–
Rattray Head ...	21–9 9	85	63·2	51·8	57·5	–	76	4	45	1	–	–	2·55	95	·92	27	14	9	0	0	0	0	3	0	0	–	5·29	–
Kincardine Fettercairn ...	9 9 9	560	64·9	49·7	57·3	–	74	4	42	15	–	–	2·79	–	·64	27	13	11	0	0	0	0	4	2	0	0	1	5·91	–
Stonehaven ...	9 9 9	12	65·1	50·8	57·9	–	74	4	42	15	–	–	1·87	61	·65	27	11	10	0	0	0	0	1	0	0	–	0	6·19	–
Muchalls ...	9 9 9	210	64·2	50·8	57·5	–	74	4	43	15	–	–	1·44	–	·25	27	12	10	0	0	0	0	3	0	0	0	–	–
Angus Dundee (Mylnefield)	9 9 9	100	67·4	51·2	59·3	–	75	4	41	14	59·5	54·2	2·90	–	·70	26	10	9	0	0	0	0	0	0	0	0	5·91	–
Dundee ... ¶	9 9 9	147	69·7	51·9	60·8	+1·8	78	4, 23	43	14	61·6	–	3·07	96	·80	26	11	8	0	0	0	0	–	0	0	0	–	–
Glamis Castle ...	9 9 9	200	67·5	49·0	58·3	–	75	4, 23	39	10	–	–	3·28	–	·72	18	12	10	0	0	0	0	1	0	–	0	–	–
Buddon Ness ...	9 9 9	15	66·4	49·4	57·9	–	73	4	36	15	–	–	3·35	117	1·27	27	10	8	0	–	1	1	0	0	–	0	–	–
Carnoustie ...	9 9 9	29	68·0	53·5	60·7	–	77	4	44	14	64·0	–	2·08	70	·50	26	10	8	0	0	0	1	0	0	0	0	7·26	–
Arbroath... ...	9 9 9	95	65·5	52·6	59·1	+1·3	73	4	(43)	15	–	–	2·05	78	·50	26	10	10	0	0	0	1	0	0	0	0	7·75	139
Montrose... ...	9 9 9	200	65·6	51·1	58·3	–	72	4	42	14	–	–	2·69	92	1·28	27	10	8	0	0	0	1	0	0	–	0	–	–
Perth Strathyre ...	9 9 9	425	66·1	47·5	56·8	–	76	25	36	15	59·4	56·1	5·56	–	1·01	16	13	12	1	0	0	0	0	0	2	0	–	–
Loch Tay (Ardtalnaig)	9 9 9	427	66·1	50·7	58·4	–	77	25	40	14	–	–	5·18	–	2·27	26	15	10	0	0	0	0	0	0	0	0	–	–
Pitlochry ...	9 9 9	473	67·0	48·2	57·6	–	76	25	36	14	–	–	3·68	–	1·20	26	12	9	0	0	0	0	0	0	0	0	4·55	–
Pitlochry (Faskally)	9 9 9	310	66·9	49·5	58·2	–	75	24, 25	39	14	59·5	56·4	3·34	–	1·06	26	11	10	0	0	0	0	0	0	1	0	–	–
Perth	9 9 9	77	68·7	51·0	59·9	+0·2	78	25	41	14,15	–	–	4·25	134	1·47	26	11	8	0	0	0	0	0	0	0	0	5·95	115
Blairgowrie ...	9 9 9	200	68·1	49·0	58·5	–	75	25	38	10,15	59·4	–	3·34	–	·81	26	11	10	0	0	0	0	4	0	0	0	–	–
Glenshee Lodge	9 9 9	1100	64·1	46·2	55·1	–	73	4, 25	35	15	–	–	4·50	–	1·20	26	13	11	0	0	0	0	5	0	1	0	–	–
Fife Kirkcaldy ...	9 9 9	137	67·4	53·0	60·2	+1·0	77	4	41	14	–	–	3·40	109	1·00	26	9	8	0	0	0	0	0	1	0	0	6·10	130
Cupar	9 9 9	82	68·1	49·2	58·7	–	77	25	39	14	60·0	–	3·20	–	·92	26	9	9	0	0	0	1	0	0	0	0	–	–
Lundin Links ...	9 9 9	40	66·4	51·6	59·0	–	73	4	40	14	–	–	3·32	–	1·21	26	10	8	0	0	0	0	0	0	–	0	6·05	–
Leuchars... ...	21–9 9	33	67·8	52·5	60·1	+1·6	76	4	42	14	–	–	3·30	116	1·03	27	10	8	0	0	0	1	1	0	0	0	6·68	122
St. Andrews ...	9 9 9	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian Balerno	9 9 9	700	67·2	49·4	58·3	–	76	25	(39)	14	–	–	3·07	–	·65	26	11	11	–	0	–	–	–	0	–	0	5·18	–
Midcalder ...	9 9 9	400	67·6	49·6	58·6	–	78	25	38	14	–	–	3·15	–	·70	17	13	9	0	0	0	0	0	0	0	0	5·24	– S
Turnhouse ...	21–9 9	114	68·8	50·7	59·7	–	79	25	39	14	–	–	3·21	110	·76	26	11	9	0	0	0	0	2	0	0	0	5·72	–
Edinburgh—																												
East Craigs ...	9 9 9	200	67·8	51·0	59·4	–	78	25	40	14	–	–	2·91	–	·99	26	10	9	0	0	0	0	2	0	0	0	–	–
Davidson's Mains	9 9 9	200	68·0	51·8	59·9	–	77	4	41	14	–	–	2·77	–	·80	26	10	9	0	0	0	0	3	0	0	0	5·32	–
Penicuik ...	9 9 9	620	67·5	49·1	58·3	–	79	25	38	14	59·1	–	3·55	–	·78	28	14	11	0	0	0	0	3	0	0	0	4·83	– S
Bush House ...	9 9 9	605	66·5	49·5	58·0	–	77	25	39	14	58·5	–	3·01	–	1·00	26	12	11	0	0	0	2	0	0	–	0	4·35	–
Edinburgh—																												
Blackford Hill ¶§	9 9 9	441	67·0	53·2	60·1	+1·6	78	25	43	14, 15	–	–	2·45	81	·66	26	11	9	0	0	0	1	0	0	0	0	5·27	101
Liberton ...	9 9 9	200	68·1	52·2	60·1	–	80	25	45	10,14,21	–	–	2·47	–	·80	27	10	10	0	0	0	1	0	0	–	0	4·75	–
Botanic Garden	9 9 9	74	68·4	51·8	60·1	–	78	25	43	14	–	–	2·32	–	·62	26	10	9	0	0	0	2	0	0	0	0	5·95	–
E. Lothian Haddington ...	9 9 9	162	68·2	50·5	59·3	–	80	25	38	14	–	–	1·81	–	·67	26	13	4	0	0	0	0	3	0	0	0	5·76	–
North Berwick ...	9 9 9	51	67·9	52·6	60·3	+1·6	76	4	42	14	–	–	2·36	88	·69	26	10	9	0	0	0	0	0	0	–	0	5·77	105
Dunbar	9 9 9	75	67·2	53·7	60·5	–	77	4	43	14	–	–	1·62	–	·57	26	10	6	0	0	0	1	0	0	0	0	6·75	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2 mm.) or more	Precip'n ·04in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1 SCOTLAND, E.—cont.																												
Berwick Marchmont ¶§	9 9 9	498	67·4	50·3	58·9	+0·9	80	25	40	14	–	–	2·16	73	1·26	26	8	7	0	0	0	2	0	0	–	–	6·14	124 S
St. Abb's Head ...	9 9 9	245	64·0	54·5	59·3	–	74	4	48	1,14	–	–	1·33	–	·67	26	9	4	0	0	0	2	1	0	0	0	–	–
Peebles Broughton ...	9 9 9	741	64·8	48·5	56·7	–	75	25	36	10	–	–	4·03	–	·74	27	11	11	0	0	0	3	0	0	0	0	–	–
Blyth Bridge ...	9 9 9	830	64·6	49·3	56·9	–	75	25	39	10,14	–	–	2·64	–	·74	26	15	13	0	0	0	2	0	0	2	0	4·34	–
West Linton ...	9 9 9	800	64·6	47·7	56·1	–	76	25	39	14,22	59·2	55·2	3·39	–	·66	26	16	12	0	0	0	3	0	0	0	0	–	–
Peebles	9 9 9	645	66·1	48·2	57·1	–	74	4	39	10,15	–	–	2·58	–	·68	26	15	12	0	0	0	2	0	0	–	0	5·21	–
Selkirk Selkirk (Bowhill)	9 9 9	600	67·7	49·2	58·5	–	79	25	40	15	–	–	2·52	–	1·15	26	12	10	0	0	0	4	0	0	–	0	–	–
Roxburgh Hawick (Wauchope)	9 9 9	560	68·1	48·6	58·3	–	80	25	39	14	–	–	2·36	–	·63	26	14	9	–	0	–	–	0	0	–	–	–	–
Sourhope ...	9 9 9	900	67·3	49·6	58·5	–	82	25	36	14	–	–	1·95	–	·60	27	10	8	0	0	0	3	0	0	1	1	5·66	–
6a SCOTLAND, W.																												
Argyll Tiree ... ¶§	21–9 9	29	60·9	52·6	56·7	+0·2	66	25	44	14	–	–	5·28	156	1·02	11	22	17	0	0	0	3	0	0	0	0	3·75	71
Rhuvaal	21–9 9	47	60·5	53·5	57·0	–	69	25	49	9,10,20	–	–	7·31	–	2·28	11	20	18	0	0	0	0	0	0	0	0	–	–
Colonsay ...	9 9 9	87	62·7	51·6	57·1	–	71	25	47	9,14,31	–	–	5·78	149	1·27	11	27	19	–	–	–	–	0	0	–	–	–	–
Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loch Shiel (Polloch)	9 9 9	33	63·3	51·8	57·5	–	75	25	40	14	–	–	9·49	–	2·05	11	23	20	0	0	0	1	0	0	0	0	–	–
Tarbert (Achaglachgach)	9 9 9	40	63·6	50·8	57·2	–	73	25	41	9,10,14	–	–	8·57	–	2·38	11	16	15	0	0	1	3	0	0	0	0	–	–
Lephinmore ...	9 9 9	30	65·0	52·7	58·9	–	75	25	42	14	–	–	7·67	–	2·40	11	20	15	0	0	0	0	0	0	0	0	4·38	–
Glenbranter ...	9 9 9	120	64·3	51·6	57·9	+0·3	76	25	42	14	–	–	8·65	141	2·13	11	12	12	0	0	0	0	0	0	0	0	–	–
Dunoon Waterworks	9 9 9	228	65·1	53·1	59·1	–	(76)	25	43	14	–	–	10·01	–	2·84	12	21	16	–	0	–	–	0	0	0	0	–	–
Dunoon (Benmore)	9 9 9	46	66·3	47·7	57·0	–	76	25	35	6	59·2	57·5	9·36	146	2·47	11	17	17	0	0	0	0	0	0	0	0	–	–
Bute Rothesay ¶§	9 9 9	150	64·5	53·1	58·8	+1·3	75	25	44	14	59·6	56·4	7·56	177	1·94	11	16	14	0	0	0	1	6	0	0	0	4·72	98
Millport	9 9 9	16	64·4	54·3	59·3	–	76	7	46	14	–	–	5·10	150	1·50	11	15	12	0	0	0	0	0	0	–	–	–	–
Dunbarton Helensburgh ...	9 9 9	293	65·9	52·0	58·9	+0·4	78	25	42	14	–	–	7·07	170	1·66	11	18	14	0	0	0	0	0	0	–	0	4·14	90
Stirling Stirling	9 9 9	151	67·6	53·3	60·5	+0·9	79	25	43	14	63·1	55·6	5·64	179	1·90	26	14	10	0	0	0	0	0	0	0	0	–	–
Falkirk	9 9 9	100	68·5	52·6	60·5	–	80	25	43	14	–	–	4·85	151	1·40	27	14	10	0	0	0	0	0	0	–	0	–	–
Renfrew Greenock ...	9 9 9	200	66·2	54·0	60·1	+1·1	77	25	45	14	–	–	7·21	177	1·61	11	17	14	0	0	0	0	0	0	0	0	4·55	90
Paisley	9 9 9	106	67·3	54·1	60·7	+0·7	80	25	46	14	60·6	55·2	4·47	137	1·30	26	14	10	0	0	0	2	1	0	0	0	5·07	103
Barrhead ...	9 9 9	97	66·2	52·3	59·3	–	78	25	43	10	–	–	4·60	–	1·20	26	16	11	0	0	0	2	0	0	0	0	–	–
Renfrew ... ¶§	21–9 9	26	67·1	53·0	60·1	+1·3	80	25	44	14	–	–	4·31	139	1·21	26	14	9	0	0	0	1	0	0	0	0	4·84	100
Lanark Thorntonhall ...	9 9 9	453	64·6	50·7	57·7	–	76	25	42	10,14	–	–	4·76	–	1·05	26	14	12	0	0	0	2	–	0	0	0	–	–
Glasgow, Spr. Pk.	9 9 9	351	66·4	52·9	59·7	–	79	25	43	14	–	–	5·23	158	·99	11	16	12	0	0	0	1	0	0	0	0	4·76	–
Coatbridge ...	9 9 9	256	66·0	51·9	58·9	–	79	25	42	15	–	–	4·70	–	·97	11	13	11	0	0	0	0	0	0	–	1	–	–
Coalburn ...	9 9 9	920	63·0	49·9	56·5	–	73	25	41	10	57·1	–	7·16	–	1·71	27	16	11	0	0	0	2	0	0	1	0	4·58	–
Leadhills ...	9 9 9	1270	63·2	47·6	55·4	–	73	25	35	10	–	–	6·78	–	1·71	26	19	14	0	0	0	1	1	0	0	0	–	–
Carnwath ...	9 9 9	706	64·6	48·5	56·5	–	74	25	35	10	–	–	3·26	–	1·03	26	17	11	0	0	0	1	0	0	4	0	–	–
Ayr Colmonell.. ...	9 9 9	170	65·6	51·8	58·7	+0·6	75	25	42	10	–	–	2·80	88	·72	11	15	14	–	0	–	–	0	0	0	–	–	–
Turnberry ...	9 9 9	25	65·5	53·8	59·7	+1·2	77	25	47	10	–	–	3·31	–	·92	27	14	11	–	0	–	–	0	0	–	–	4·63	–
Largs (Woodbank)	9 9 9	25	66·9	53·8	60·3	–	77	25	43	10	–	–	5·42	150	1·47	11	15	12	–	–	–	–	0	0	–	–	–	–
Barr	9 9 9	400	65·5	50·2	57·9	–	75	25	37	10	–	–	4·42	–	1·26	11	17	12	0	0	0	0	0	0	–	0	–	–
Auchincruive ...	9 9 9	147	65·4	52·3	58·9	–	77	25	42	10	59·1	55·4	4·41	132	1·09	26	17	12	0	0	0	2	0	0	0	0	4·78	–
Prestwick ...	9 9 9	17	65·1	54·5	59·8	–	77	25	46	10	–	–	3·99	135	1·06	26	16	12	0	0	0	1	0	0	0	0	5·39	–
Prestwick Airport	21–9 9	30	65·8	53·8	59·8	–	79	25	44	10	–	–	4·40	140	1·28	26	16	12	0	0	0	1	0	0	0	0	5·27	–
Kilmarnock ...	9 9 9	115	67·4	52·3	59·9	+0·6	81	25	43	10,11,14	62·1	59·0	5·80	–	1·43	27	14	11	0	0	0	2	0	0	0	0	–	–
Dumfries Moniaive (Dalmacallan)	9 9 9	480	64·6	49·6	57·1	–	73	25	40	10	–	–	4·63	–	·97	26	18	14	–	0	–	–	0	0	–	–	–	–
Dumfries... ¶§	9 9 9	140	66·3	52·0	59·1	+0·2	75	25	43	10,14	60·1	56·6	2·55	66	·61	26	16	11	0	–	0	1	0	0	0	0	5·75	118
Ruthwell... ...	9 9 9	95	67·5	49·5	58·5	-0·6	79	25	38	14	–	–	3·34	97	·99	26	16	12	0	–	0	3	–	0	–	0	5·74	128 S
Eskdalemuir ¶§	21–9 9	794	64·8	47·4	56· 1	-0·1	77	25	35	10	57·9	53·5	5·33	107	·98	26	15	13	0	0	1	2	0	0	0	0	5·34	121
Kirkcud-bright Bargrennan ...	9 9 9	360	65·6	49·0	57·3	–	74	3	38	10	–	–	4·95	–	·74	11	18	15	0	0	0	0	1	0	0	0	–	–
Palnure	9 9 9	50	65·8	48·7	57·3	–	74	25	37	9,10	–	–	3·39	–	·68	26	17	14	0	0	0	2	0	0	–	0	–	–
Glenlee	9 9 9	181	67·6	49·4	58·5	–	76	10,25	38	10	–	–	6·20	–	2·07	26	15	14	0	0	0	3	0	0	0	0	–	–
Carsphairn (Dundeugh)	9 9 9	390	65·8	47·7	56·7	–	74	23,25	38	14	–	–	5·55	–	1·64	26	14	13	0	0	0	2	0	0	0	0	–	–
Glenlochar Barrage	9 9 9	154	66·2	51·2	58·7	–	74	22,25	41	10,14	–	–	4·66	–	1·85	26	16	13	–	0	–	–	0	0	–	–	–	–
Castle Douglas ...	9 9 9	196	65·8	49·8	57·8	–	75	25	36	10	59·8	–	2·76	–	·65	26	15	12	–	0	–	–	0	0	1	–	6·28	–
Wigtown Stranraer (Penwhirn)	9 9 9	546	63·5	50·4	56·9	–	71	25	43	10	–	–	3·81	–	·77	11	15	12	0	0	0	0	1	0	0	1	5·44	–
Mull of Galloway	21–9 9	257	63·3	53·5	58·4	–	71	24	45	10	–	–	1·26	–	·28	17	14	7	0	0	0	0	2	0	–	0	–	–
6b ISLE OF MAN																												
Isle of Man Ronaldsway ...	21–9 9	55	64·3	52·7	58·5	–	70	23,25	43	14	–	–	1·76	76	·48	17	12	8	0	0	0	1	0	0	0	1	6·35	–
Douglas	9 9 9	284	64·3	53·5	58·9	+1·0	72	24,25	46	14	–	–	2·35	77	·57	11	12	11	0	0	0	0	0	0	0	0	6·87	117
Point of Ayre ...	21–9 9	30	67·8	53·8	60·8	–	75	5	44	28	–	–	1·59	73	·24	17	12	10	0	0	0	1	0	0	–	0	6·50	–
2 ENGLAND, N.E.																												
Northum-berland Kielder Castle ...	9 9 9	660	65·2	45·9	55·5	–	78	25	37	9,10,15	59·1	–	3·23	76	1·01	26	13	11	0	0	0	2	0	0	0	0	–	–
Bellingham ...	9 9 9	849	66·4	48·5	57·5	+0·5	76	4	38	14	–	–	2·66	81	·72	26	12	9	0	0	0	3	0	0	–	–	–	–
Allendale Town ...	9 9 9	795	67·2	49·8	58·5	–	80	4	38	15	–	–	1·74	–	·37	1	12	9	0	0	0	2	0	0	0	0	–	–
Haydon Bridge ...	9 9 9	270	69·4	49·4	59·4	–	82	25	38	15	60·4	54·8	1·28	–	·44	26	12	9	0	0	0	2	0	0	0	0	5·70	– S
Berwick-on-Tweed	9 9 9	76	66·1	52·0	59·1	+1·2	74	4	41	14	–	–	1·71	71	1·13	26	8	7	0	0	0	3	0	0	0	0	6·11	114
Cockle Park ¶§	9 9 9	326	68·5	48·8	58·7	+0·5	77	4	38	15	60·3	56·8	2·13	74	1·36	26	9	7	0	0	0	2	0	0	0	1	6·53	124
Acklington ...	21–9 9	138	67·3	50·0	58·7	–	76	4	40	14	–	–	2·31	–	1·43	26	9	6	0	0	0	1	0	0	0	0	6·82	–
Tynemouth ...	21–9 9	95	66·0	54·8	60·4	+1·3	77	4,8	46	14	–	–	1·86	63	1·35	26	10	5	0	0	0	3	0	0	0	0	6·57	–
Durham Chopwellwood ...	9 9 9	446	69·1	51·0	60·1	+1·4	82	4	42	15	–	–	1·24	41	·87	26	10	4	0	0	0	2	0	0	0	0	–	–
Ushaw College ...	9 9 9	594	68·9	52·1	60·5	+1·4	81	4	43	15	–	–	1·65	57	·54	26	9	6	0	0	0	3	1	0	–	0	–	–
Houghall... ...	9 9 9	160	70·8	49·8	60·3	+0·6	83	4	37	15	–	–	1·30	45	·64	26	9	6	0	0	0	2	0	0	4	0	6·87	136
Durham ... ¶§	9 9 9	336	70·5	51·6	61·1	+1·6	82	4	40	15	60·3	55·2	1·22	44	·72	26	8	5	0	0	0	2	–	0	0	0	6·14	120
Gateshead ...	9 9 9	509	67·9	53·6	60·7	–	83	4	44	14	–	–	1·32	–	·80	26	7	5	–	0	–	–	0	0	0	–	6·65	–
Middleton St. Gge.	21–9 9	115	70·8	52·9	61·9	–	84	4	42	14	–	–	1·23	–	·56	26	9	5	0	0	0	4	0	0	0	0	7·19	–
West Hartlepool	9 9 9	30	69·0	54·9	61·9	–	80	7	45	14	–	–	2·73	–	1·61	26	9	6	0	0	0	1	2	0	0	0	6·62	–
Yorks., N. Riding Dishforth ...	21–9 9	106	72·3	53·6	62·9	–	85	4	43	14,15	–	–	1·49	60	·37	11	11	7	0	0	0	4	0	0	0	0	7·19	–
York ... ¶§	9 9 9	57	73·2	54·8	64·0	+2·1	87	4	45	14	63·3	58·3	2·28	92	·70	26	12	8	0	0	0	4	0	0	–	0	6·97	126
Ampleforth ...	9 9 9	313	69·8	52·4	61·1	–	82	5	40	14,15	–	–	1·82	62	·65	26	8	7	–	–	–	–	0	0	0	–	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in.(0·2 mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2	ENGLAND, N.E.—cont.																												
Yorks.,	Redcar	999	25	70·1	54·3	62·2	–	80	7	42	15	–	–	2·90	118	1·35	26	11	7	0	0	0	4	0	0	–	0	6·94	–
N. Riding—	Whitby	999	135	69·7	53·5	61·6	–	83	7	44	1,10,15	–	–	1·33	53	·97	26	9	5	0	0	0	5	0	0	0	0	7·21	–
cont.	Scarborough ¶§	999	118	69·1	55·7	62·4	+1·5	86	5	47	14	–	–	2·74	110	·75	26	10	9	0	0	0	4	0	0	0	0	7·89	138
	Silpho Moor ...	999	665	68·0	52·3	60·1	–	81	4,5	43	1,14,15	59·0	–	2·46	–	1·24	26	12	9	–	0	–	–	–	0	0	–	–	–
Yorks.,	High Mowthorpe	999	574	70·4	51·5	60·9	–	83	5	40	14	59·7	–	2·03	–	·74	5	12	8	0	0	1	4	0	0	0	0	6·75	–
E. Riding	Leconfield ...	21-9 9	29	72·4	53·0	62·7	–	86	5	40	15	–	–	1·20	–	·37	26	12	7	0	0	1	4	0	0	0	0	7·78	–
	Hull	999	8	72·1	55·8	63·9	+1·6	86	5	45	15	62·9	55·3	1·61	67	·46	5	11	9	0	0	1	1	0	0	0	0	7·21	125
	Filey	999	122	67·6	53·0	60·3	–	82	5	41	14	–	–	2·50	–	·80	5	11	8	0	0	0	3	0	0	0	0	8·20	–
	Bridlington ...	999	157	67·5	53·2	60·3	–	77	8	40	14	–	–	1·51	–	·60	26	10	8	0	0	0	3	0	0	0	0	8·15	–
	Spurn Head ...	21-9 9	29	67·5	56·9	62·2	+1·1	75	4,18	51	14	–	–	1·54	–	·60	11	8	6	0	0	0	4	0	0	–	0	8·08	131
Lincoln	Gunby	999	443	73·2	51·5	62·3	–	96	5	40	15	–	–	2·48	–	1·16	27	12	7	–	0	–	–	0	0	–	–	–	–
	Waddington ...	21-9 9	224	73·2	54·3	63·7	–	88	5	45	15	–	–	1·18	–	·36	28	12	7	0	0	0	5	0	0	0	0	8·06	–
	Lincoln	999	22	73·8	52·2	63·0	–	89	5	42	19	63·1	59·7	1·01	–	·22	10	9	9	0	0	0	4	0	0	0	0	7·28	–
	Cranwell ... ¶§	999	205	73·9	52·9	63·4	+2·0	91	5	44	14,15	64·5	62·1	1·55	62	·39	5	11	8	0	0	3	5	0	0	0	0	7·72	125 S
	Horncastle ...	999	205	73·4	53·5	63·5	–	92	5	42	14	63·8	57·7	2·44	–	·62	5	10	8	0	0	0	7	0	0	0	0	–	–
	Cleethorpes ...	999	23	72·2	55·6	63·9	–	91	5	44	14	–	–	1·58	–	·42	5	9	8	0	0	0	0	0	0	0	0	8·37	–
	Manby	21-9 9	55	72·0	53·5	62·7	–	90	5	43	14	–	–	2·19	–	1·04	11	10	6	0	0	1	4	0	0	0	0	8·38	–
	Skegness	999	15	70·7	56·3	63·5	+2·5	81	5,8	45	14	–	–	2·03	91	·54	10	13	9	0	0	1	6	0	0	0	0	8·43	132
3	ENGLAND, E.																												
Norfolk	Terrington St. Clement ...	999	13	74·0	52·6	63·3	–	89	5	44	14	61·9	–	2·02	94	·59	10	11	8	0	0	0	3	0	0	0	0	8·11	–
	Marham	21-9 9	76	74·3	53·9	64·1	–	91	5	43	14	–	–	3·21	–	2·00	10	10	8	0	0	0	5	0	0	0	0	–	–
	Santon Downham	999	80	75·8	48·9	62·3	–	92	5	33	19	61·7	56·8	3·09	–	1·92	10	9	7	–	0	–	–	–	0	3	–	–	–
	West Raynham ...	21-9 9	250	72·6	53·9	63·3	–	90	5	43	14	–	–	3·16	–	1·74	10	11	7	0	0	0	5	0	0	0	0	8·56	–
	Cromer	999	178	72·8	54·9	63·9	+1·9	94	5	46	14,15	–	–	3·24	133	1·62	10	10	8	0	0	0	3	0	0	0	0	8·34	128
	Sprowston ¶§	999	93	75·1	52·9	64·0	+2·1	91	8	40	15	–	–	1·19	46	·37	10	12	6	0	0	1	4	–	0	1	0	8·69	134
	Burlingham ...	999	89	74·2	53·8	64·0	–	88	8	41	15	–	–	1·26	50	·33	28	11	6	0	0	0	4	0	0	0	0	8·88	–
	Gorleston ¶§	21-9 9	5	69·1	57·3	63·2	+1·7	77	2	47	1	64·0	59·4	1·02	44	·52	10	10	7	0	0	0	5	0	0	0	0	9·64	139
Suffolk	Mildenhall ...	21-9 9	15	75·5	54·7	65·1	–	92	5	46	14,15	–	–	3·62	150	2·46	10	10	7	0	0	1	4	0	0	0	0	8·92	–
	East Bergholt ...	999	14	76·6	53·2	64·9	–	90	8	41	15	–	–	1·01	–	·38	28	10	6	0	0	0	5	0	0	0	0	–	–
	Felixstowe ...	21-9 9	10	71·2	59·1	65·1	+2·2	79	18	50	15	–	–	2·02	111	1·09	10	8	5	0	0	1	6	0	0	0	0	9·87	138
	Lowestoft ...	999	82	71·1	55·9	63·5	+1·9	78	2	44	15	66·7	61·1	1·15	50	·47	10	7	6	0	0	1	5	0	0	0	0	9·84	143
Cambridge	Boxworth ...	999	157	75·1	53·3	64·2	–	94	5	45	14	–	–	3·37	148	1·15	10	10	10	0	0	4	0	0	0	0	0	8·77	–
	*Cambridge Bot. Gdn. ¶§	999	41	75·9	53·5	64·7	+2·1	92	5	44	14	65·9	61·5	3·67	152	2·26	10	9	8	0	0	3	0	0	0	0	–	8·73	142
Huntingdon	Wyton	21-9 9	129	75·2	54·9	65·1	–	92	5	47	14	–	–	1·65	–	·51	10	10	9	0	0	0	6	0	0	0	0	–	–
Bedford	Woburn	999	291	73·9	52·6	63·3	+1·9	88	5	43	14	66·7	57·8	2·68	110	·91	10	11	8	0	0	0	5	0	0	0	0	8·35	138
	Harrold	999	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Dunstable ...	21-9 9	516	73·2	53·8	63·5	–	90	5	46	14,19	63·4	57·5	2·74	–	1·29	10	11	8	0	0	0	7	1	0	0	0	9·06	–
	Goldington ...	999	107	75·8	54·5	65·1	–	91	5	46	14	–	–	2·53	–	·97	10	11	9	0	0	0	5	0	0	0	0	–	–
	Luton	999	379	74·1	53·8	63·9	+2·2	89	5	44	14	65·6	–	3·84	159	1·93	10	9	7	–	0	–	–	0	0	0	0	8·19	133
	Silsoe	999	195	75·1	52·3	63·7	–	91	5	44	14	65·2	58·8	2·99	122	1·48	10	9	9	0	0	1	5	1	0	0	0	8·65	–
	Cardington ...	21-9 9	93	75·7	52·6	64·1	–	92	5	44	1,14,19	–	–	2·09	101	·93	10	10	8	0	0	0	6	0	0	0	0	8·51	–
Hertford	Bovingdon ...	21-9 9	516	73·0	53·1	63·1	–	89	5	44	14	–	–	3·28	–	1·38	10	10	9	0	0	0	6	1	0	0	0	–	–
	Garston	999	263	75·0	53·4	64·2	–	91	5	44	14	–	–	3·71	–	2·50	10	11	7	0	0	1	7	0	0	0	0	8·44	–
	Rothamsted ¶§	999	420	73·9	52·6	63·3	+2·1	90	5	44	14	63·5	57·2	4·41	165	2·34	10	10	7	0	0	1	6	0	0	0	0	8·94	146
	St. Albans ...	999	272	74·7	52·8	63·7	+2·0	90	5	43	14	64·7	–	3·01	127	1·65	10	8	8	0	0	1	3	0	0	0	0	–	–
	Bayfordbury ...	999	221	75·4	51·9	63·7	–	92	5	43	14	–	–	2·20	95	1·15	10	9	7	0	0	1	1	0	0	0	0	8·73	– S
	Stanstead Abbotts	999	97	75·7	51·0	63·3	–	90	5,8	43	15	66·0	62·8	2·04	–	·93	10	9	6	–	0	–	–	0	0	0	–	–	–
	Eastwick Lodge ...	999	137	75·2	51·4	63·3	–	91	5	45	1,14,20	–	–	2·72	116	1·43	10	9	7	–	0	–	–	0	0	–	–	–	–
Essex	Stansted ...	999	330	75·3	53·9	64·6	–	91	5	47	14	–	–	1·44	–	·76	10	6	5	0	0	0	4	0	0	0	0	–	–
	Saffron Walden	999	295	74·6	53·3	63·9	–	90	5	44	14	63·8	57·3	3·98	–	1·63	10	10	6	0	0	1	4	0	0	0	0	–	–
	Writtle	999	105	75·2	51·7	63·5	–	89	5	42	14	–	–	1·04	46	·28	30	8	7	0	0	0	5	0	0	0	1	8·66	–
	Coryton	999	9	74·8	56·2	65·5	–	88	5	48	15	67·3	62·8	1·27	–	·41	29	8	7	0	0	0	3	0	0	0	0	–	–
	Southend ...	999	90	75·0	57·3	66·1	–	86	5,8	51	1	–	–	1·00	50	·55	30	8	6	0	0	0	7	0	0	0	0	9·31	132
	Maldon	999	14	75·7	54·8	65·3	–	89	5,18	45	15	–	–	1·58	–	·52	30	10	8	0	–	1	5	0	0	–	0	9·31	–
	Earls Colne ...	999	160																										
	Shoeburyness ¶§	21-9 9	11	72·6	56·8	64·7	+1·4	85	18	47	15	–	–	1·11	56	·24	30	9	7	0	0	0	6	0	0	0	0	9·49	134
	Clacton	999	53	70·7	58·5	64·6	–	78	18	50	1,14	67·0	61·9	·92	44	·45	30	7	5	0	0	0	6	0	0	0	0	10·00	142
	Walton-on-Naze	999	35	71·0	57·2	64·1	–	79	18	48	15	–	–	1·39	–	·59	10	8	7	0	0	0	4	0	0	0	0	10·13	–
	Dovercourt ...	999	11	72·1	55·4	63·7	–	78	9	46	15	–	–	1·89	–	·89	10	7	5	–	–	–	–	0	0	–	0	9·39	–
4	MIDLAND COUNTIES																												
Yorks.,	Slaidburn ...	999	629	67·6	51·3	59·5	–	79	25	40	15	–	–	3·70	–	·88	16	17	12	0	0	0	1	1	0	0	0	5·85	–
W. Riding	Malham Tarn ...	999	1297	64·5	50·0	57·3	–	76	25	40	14	56·6	–	3·97	–	·78	16	17	15	0	0	1	4	1	0	2	0	–	–
	Bingley	999	610	67·8	52·7	60·3	–	81	4	42	14,15	–	–	2·47	82	·90	26	12	9	0	0	0	3	0	0	0	0	–	–
	Huddersfield §	999	325	71·0	54·1	62·5	+1·6	85	4	42	15	62·3	58·2	2·49	–	·82	26	13	11	–	0	–	–	1	0	0	–	6·27	124
	,, (Oakes)	21-9 9	762	71·5	53·1	62·3	+2·7	86	4	44	14	61·5	56·1	2·33	77	·54	1	13	12	0	0	0	4	1	0	0	2	6·44	–
	Bradford ¶	999	439	68·7	53·9	61·3	+1·3	82	4	43	15	61·0	57·4	1·96	67	·62	26	14	10	0	0	0	4	0	0	0	0	–	–
	Ilkley	999	315	71·9	53·1	62·5	+2·2	85	4	43	15	–	–	2·42	79	1·14	26	11	11	0	0	0	2	0	0	–	0	6·65	129
	Sheffield	999	429	72·0	55·5	63·7	+2·2	84	4	46	15	62·6	57·8	1·32	48	·45	1	13	8	0	–	0	4	–	0	0	0	(6·96)	126
	Wakefield ...	999	121	74·6	53·7	64·1	+2·3	89	4	42	15	62·0	57·2	1·51	59	·39	26	13	10	0	0	0	3	0	0	0	0	–	–
	Killinghall ...	999	365	69·8	51·8	60·8	–	83	4	41	14,15	61·3	–	1·73	–	·49	16	14	8	0	0	0	3	0	0	0	0	7·11	–
	Pontefract ...	999	255	71·2	54·2	62·7	+2·1	84	4	43	14	–	–	·91	38	·22	11	12	8	0	0	0	1	2	0	0	0	7·17	–
	Bramham ...	999	177	72·0	51·8	61·9	–	84	4	40	14,15	–	–	·92	–	·24	16	9	8	0	0	0	3	0	0	0	0	6·96	–
	Cawood	999	20	72·2	51·9	62·1	–	85	4	40	14,15	64·4	60·3	·84	33	·20	16	9	7	0	0	0	2	0	0	0	0	6·75	–
	Askham Bryan ...	999	90	72·7	53·4	63·1	–	86	4	39	14	–	–	1·40	54	·38	26	12	7	0	0	0	4	0	0	0	0	6·27	–
Derby	Buxton	999	1007	67·3	51·5	59·4	+1·7	81	4	40	15	61·4	58·6	4·03	103	1·09	1	14	10	0	0	0	2	1	0	0	0	–	–
	Chapel en le Frith	999	728	69·2	51·5	60·3	–	83	4	38	15	–	–	3·19	–	·84	1	13	10	0	0	0	3	0	0	0	0	–	–
	Wirksworth ...	999	565	72·2	53·4	62·8	–	85	4	43	14	–	–	1·83	–	·43	11	12	9	0	0	0	4	0	0	0	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4	MIDLAND COUNTIES—cont.																												
Derby—cont.	Derby	9 9 9	159	73·7	54·8	64·3	-	87	4	45	15	-	-	1·63	-	·56	27	10	7	0	0	0	0	0	0	0	0	7·39	-
	Morley	9 9 9	350	72·8	52·7	62·7	-	86	4	43	15	-	-	1·39	-	·40	27	11	7	0	0	0	2	1	0	1	0	7·42	-
	Chesterfield ...	9 9 9	298	72·4	53·4	62·9	-	84	4,5	48	10,20,31	-	-	2·02	-	·85	11	14	10	0	0	0	1	0	0	-	0	-	-
Nottingham	Sutton Bonington	9 9 9	157	73·9	52·6	63·3	+1·7	86	4, 5	39	15	62·7	59·4	1·00	42	·33	27	10	7	0	0	1	1	0	0	0	0	7·61	131
	Watnall ...	21-9 9	385	73·8	54·0	63·9	-	87	4, 5	44	14	-	-	1·42	52	·29	16	12	10	0	0	1	2	0	0	1	0	7·41	-
	Mansfield ...	9 9 9	357	72·5	54·5	63·5	+2·2	86	4	44	14	-	-	1·74	65	·65	27	11	8	0	0	0	2	0	0	0	0	-	-
	Nottingham ¶§	9 9 9	192	73·8	55·8	64·8	+2·6	87	5	47	14, 15	64·7	62·0	1·62	64	·39	27	10	8	0	0	0	2	0	0	0	0	6·97	128
	Warsop	9 9 9	150	73·9	50·0	61·9	-	85	4, 5	35	15	-	-	·93	42	·29	27	12	7	0	0	0	5	0	0	0	0	7·44	-
	Finningley ...	21-9 9	34	74·4	54·7	64·5	-	87	4, 5	44	15	-	-	1·45	-	·37	28	11	8	0	0	0	3	0	0	0	0	7·29	-
	Langar	21-9 9	106	74·6	53·4	64·0	-	89	5	41	15	-	-	1·09	-	·33	10	10	5	0	0	0	5	0	0	0	0	-	-
Leicester	Leicester (Towers)	9 9 9	267	76·2	55·0	65·6	-	89	4, 5, 8	46	15	64·7	59·4	-	-	-	-	-	-	0	0	1	5	0	0	0	0	7·80	-
	Caldecott ...	9 9 9	175	76·5	49·9	63·2	-	93	5	37	15	-	-	2·05	-	·87	11	8	7	0	0	0	2	0	0	0	0	7·98	-
Northampton	Wellingborough	9 9 9	298	75·7	54·3	65·0	-	91	5	48	31	-	-	2·34	-	·68	11	12	9	0	0	0	4	0	0	0	0	-	-
	Kettering ...	9 9 9	297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Raunds	9 9 9	193	75·9	52·8	64·3	-	92	5	47	15, 31	66·0	58·3	1·97	90	·44	29	10	9	0	0	0	8	0	0	0	0	-	-
	Wittering ...	21-9 9	216	74·4	53·8	64·1	-	91	5	46	14,15,19	-	-	1·72	-	·56	11	11	9	0	0	0	6	1	0	0	0	8·48	-
Warwick	Birmingham ¶§	21-9 9	536	71·8	55·7	63·7	+2·4	84	4	49	14, 15	58·6	55·2	2·00	70	·40	26	11	8	0	0	1	4	0	0	0	0	7·07	131
	Luddington ...	9 9 9	138	74·6	52·7	63·7	-	87	4	43	14, 15	-	-	1·11	48	·36	28	9	8	0	0	0	3	0	0	0	0	7·32	-
	Stratford on Avon	9 9 9	160	75·1	52·0	63·5	-	87	4	41	14	66·6	-	1·07	-	·25	12	10	8	0	0	0	6	0	0	0	0	7·42	-
	Elmdon	21-9 9	319	73·5	53·7	63·6	-	86	25	43	15	-	-	1·30	50	·34	27	10	8	0	0	0	3	0	0	0	0	7·51	-
	Shipston on Stour	9 9 9	365	73·9	54·1	64·0	-	85	4, 8	47	15	64·0	-	1·48	-	·52	27	9	7	0	0	0	6	0	0	0	-	7·90	-
	Wellesbourne ...	9 9 9	153	74·6	52·6	63·6	-	86	4, 5	44	15	65·9	62·0	1·68	69	·75	27	8	7	0	0	0	2	0	0	0	0	7·49	-
	Moreton Morrell	9 9 9	280	74·1	53·5	63·8	-	86	4	44	15	-	-	1·27	-	·43	27	8	7	0	0	0	6	0	0	0	0	7·98	-
	Coventry... ...	9 9 9	338	73·7	54·4	64·1	+2·0	84	4	47	15	63·2	58·2	1·11	42	·35	27	7	7	0	0	0	1	0	0	-	0	6·93	129 S
	Rugby	9 9 9	385	74·1	54·2	64·1	-	87	5	46	15	66·1	62·1	·87	-	·24	10	10	6	0	0	0	4	-	0	0	0	-	-
Oxford	Oxford ... ¶§	9 9 9	208	75·0	55·1	65·1	+2·3	91	5	46	14	67·2	62·2	2·55	107	·77	27	10	8	0	0	0	5	0	0	0	0	8·80	150
Buckingham	Aylesbury ...	9 9 9	316	74·5	53·5	64·0	-	89	5	44	14	-	-	3·06	-	1·29	10	10	9	0	0	0	6	0	0	0	0	9·17	-
	Bletchley ...	9 9 9	281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stafford	Keele	9 9 9	587	69·5	53·6	61·5	-	81	4	45	15	62·5	56·9	1·50	46	·41	26	12	9	0	0	0	4	0	0	0	0	6·90	- S
	Oaken	9 9 9	409	73·2	53·1	63·1	-	85	4	42	15	61·5	-	2·79	-	1·34	27	10	8	-	-	-	-	-	0	0	-	-	-
	Wheaton Aston ...	9 9 9	365	71·2	53·1	62·1	-	83	4	44	15	61·7	-	1·62	-	·43	27	9	8	0	0	0	1	0	0	0	0	6·72	-
	Stone	9 9 9	350	71·7	52·4	62·1	-	83	4	39	15	-	-	1·19	-	·44	26	11	6	0	0	0	1	0	0	1	0	6·41	-
	Penkridge ...	9 9 9	330	71·6	52·1	61·9	-	84	4	40	15	-	-	1·29	-	·40	26	9	7	0	0	0	2	0	0	0	0	-	-
	Onecote	9 9 9	1350	66·0	51·5	58·7	-	77	4, 7	42	14	57·0	52·1	2·35	-	·75	26	10	10	0	0	0	0	0	0	0	0	6·24	-
Shropshire	Oswestry... ...	9 9 9	570	69·0	53·6	61·3	-	85	4	45	14	-	-	3·07	-	·71	16	14	11	0	0	0	2	0	0	0	0	6·41	- S
	Shrewsbury ...	9 9 9	184	71·8	53·8	62·8	-	82	4,7,25	42	15	65·3	62·7	1·56	65	·49	26	15	7	0	0	0	3	0	0	0	0	6·45	-
	Shawbury ...	21-9 9	235	70·4	52·8	61·6	-	82	4	41	15	-	-	1·49	60	·51	26	12	8	0	0	0	3	0	0	0	0	7·13	-
	Newport ...	9 9 9	211	72·0	51·9	61·9	-	84	25	38	15	-	-	1·31	49	·55	26	11	8	0	0	0	4	0	0	0	0	6·52	-
Worcester	Malvern	9 9 9	203	73·5	55·6	64·5	+2·2	85	4	50	20	67·0	59·6	1·73	66	·57	26	7	7	0	0	0	3	1	0	0	0	7·88	130
	Worcester (Redhill)	9 9 9	190	73·7	53·9	63·8	-	85	4	44	14	-	-	1·40	63	·42	26	9	7	0	0	0	1	0	0	0	0	7·37	-
	Droitwich ...	9 9 9	106	72·8	54·4	63·6	-	84	4	44	14	-	-	1·38	-	·39	26	8	6	0	0	0	7	0	0	-	0		-
	Pershore (Institute of Horticulture)	9 9 9	130	73·8	54·8	64·3	-	84	4, 8	42	15	-	-	1·06	-	·25	26	8	7	0	0	0	1	0	0	0	0	8·12	-
	Pershore	21-9 9	110	74·1	54·3	64·2	-	85	4, 25	43	14	-	-	1·07	-	·29	26	8	6	0	0	0	4	0	0	0	0	7·95	-
	Halesowen ...	9 9 9	505	72·5	52·5	62·5	-	83	4, 25	41	15	63·7	57·8	1·75	-	·44	16	12	7	0	0	0	3	0	0	0	0	7·18	-
Hereford	Lyonshall ...	9 9 9	510	71·0	52·5	61·7	-	80	4	42	15	-	-	2·16	-	1·02	26	11	7	-	-	-	-	0	0	-	-	-	-
	Ross-on-Wye ¶§	21-9 9	223	72·5	54·3	63·4	+1·7	84	4	45	14	64·9	60·5	2·03	89	·43	27	9	8	0	0	1	5	0	0	0	0	7·66	131
	Preston Wynne ...	9 9 9	274	72·4	51·6	62·0	-	83	4	40	14	-	-	2·28	-	1·40	26	11	6	0	0	0	2	0	0	0	0	8·16	-
Gloucester	Bristol (Filton) ...	21-9 9	192	71·3	55·0	63·1	-	82	4	47	20	-	-	2·77	98	1·00	28	10	8	0	0	0	5	0	0	0	0	7·86	-
	Ruscombe ...	9 9 9	610	71·0	52·7	61·9	-	82	4	45	14	-	-	2·39	83	·62	27	11	7	0	0	1	6	1	0	-	0	-	-
	Cirencester ...	9 9 9	443	71·9	52·0	61·9	-	83	4, 8	41	14	-	-	2·07	73	·49	27	9	8	0	0	0	2	0	0	1	-	8·09	-
	Little Rissington	21-9 9	740	71·5	54·5	63·0	-	84	5	48	14	-	-	1·13	45	·33	27	8	8	0	0	0	4	0	0	0	0	7·75	-
5	ENGLAND, S.E.																												
London	Kensington ...	9 9 9	81	77·4	57·2	67·3	+2·8	93	5	50	14	67·2	61·9	1·31	53	·43	10	8	6	0	0	0	3	0	0	0	0	-	-
	Hampstead ...	9 9 9	450	74·4	55·8	65·1	+3·0	90	5	48	14, 31	-	-	1·44	55	·60	10	8	7	0	-	1	5	-	0	0	0	9·10	144
	Westminster ...	9 9 9	27	76·8	58·3	67·5	+2·8	94	5	51	14	-	-	1·51	66	·54	28	8	6	0	-	0	3	-	0	-	-	-	-
	Regent's Park ...	9 9 9	129	76·7	57·0	66·9	-	92	5	49	14	-	-	1·34	-	·45	28	7	7	-	0	-	-	0	0	0	-	9·18	148
	Camden Square ...	9 9 9	121	76·6	57·8	67·2	+2·2	92	5	51	14, 31	70·2	66·9	1·33	55	·42	28	8	7	0	0	0	4	-	0	-	0	-	-
	Kingsway ...	—	—																									9·05	-
	Bunhill Row ...	—	—																									9·37	154
	Greenwich (Maritime Museum)	9 9 9	24	77·6	56·0	66·8	-	91	5, 8	49	14, 15	-	-	1·21	55	·48	10	9	7	0	0	0	5	0	0	0	0	9·02	-
Middlesex	London Airport	21-9 9	82	76·5	56·1	66·3	-	93	5	48	14	-	-	3·41	156	2·77	10	8	7	0	0	1	8	0	0	0	0	8·93	-
	Hampton ...	9 9 9	39	76·2	56·8	66·5	-	90	5, 8	48	14	-	-	1·80	-	·67	10	9	8	0	0	0	5	0	0	0	0	9·82	-
	Wealdstone ...	9 9 9	175	76·2	54·5	65·3	+2·0	92	5, 8	44	14	67·3	57·2	2·64	99	1·65	10	10	7	0	0	0	6	0	0	0	0	8·75	-
	Southgate ...	9 9 9	221	76·2	55·2	65·7	-	91	5	49	14,15,31	64·3	-	1·67	-	·91	10	8	6	0	0	0	6	0	0	0	0	9·05	- S
Surrey	Farnham... ...	9 9 9	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wisley	9 9 9	150	76·3	53·6	64·9	+2·0	91	5	46	14	66·0	61·1	2·77	105	1·67	10	9	8	0	0	0	7	0	0	0	0	9·22	145
	Great Bookham	9 9 9	466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mickleham ...	9 9 9	179	76·5	50·1	63·3	-	90	5	41	14	-	-	1·52	61	·43	10	10	8	0	0	0	4	0	0	0	0	-	-
	Kew Observatory ¶§	21-9 9	18	75·5	57·0	66·3	+1·8	91	5	49	14	66·6	61·8	1·57	64	·48	10	8	7	0	0	0	5	0	0	0	0	9·37	146
	Gatwick	21-9 9	194	76·2	51·5	63·9	-	90	5	44	16, 31	-	-	1·21	-	·30	28	8	6	0	0	0	5	0	0	0	0	10·10	-
	Croydon (Waddon)	9 9 9	220	76·0	54·9	65·5	+2·5	91	5	47	14	-	-	1·23	50	·27	10	8	7	-	-	-	-	0	0	-	-	-	-
	Addington ...	9 9 9	474	75·1	55·2	65·1	+3·1	89	5, 8	49	14, 31	-	-	·88	33	·27	28	10	5	-	-	-	-	0	0	-	-	-	-
Kent	Bromley	9 9 9	213	76·4	55·9	66·1	+2·5	91	5	49	14, 15	-	-	1·01	44	·32	28	10	7	0	0	0	4	0	0	-	0	-	-
	Swanley	9 9 9	177	75·8	52·2	64·0	-	90	8	42	15	64·4	-	2·00	-	1·15	29	9	6	0	0	0	3	0	0	0	0	9·02	-
	Dartford... ...	9 9 9	17	77·2	54·2	65·7	-	92	5, 8	46	15	-	-	1·20	-	·46	29	8	5	0	0	0	5	0	0	-	0	-	-
	Tunbridge Wells	9 9 9	351	74·7	53·2	63·9	+1·9	89	5	47	1,15,19	66·1	63·0	2·27	99	·69	28	9	7	0	0	0	6	0	0	0	0	9·31	131
	West Malling ...	21-9 9	304	75·5	54·0	64·7	-	89	5, 8	45	16	-	-	2·03	86	1·01	28	9	9	0	0	0	7	0	0	0	0	9·55	-
	Goudhurst ...	9 9 9	290	74·9	51·2	63·1	-	88	8	41	15	-	-	2·26	89	·76	30	9	8	0	0	0	4	0	0	0	0	-	-
	East Malling ¶§	9 9 9	122	75·7	52·2	63·9	+1·9	90	5, 8	43	15	-	61·9	1·61	68	·70	28	9	9	0	0	0	7	0	0	0	0	9·37	138

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	76·7	55·9	66·3	–	92	5	47	15	–	–	1·48	–	·48	28	9	8	0	0	0	1	0	0	–	0	9·56	–
	Sittingbourne ...	9 9 9	224	74·3	53·6	63·9	–	87	5,8	44	15	66·9	62·0	2·79	–	·89	30	9	9	0	0	0	4	0	0	0	0	9·77	–
	Isle of Grain ...	9 9 9	9	75·1	58·9	67·0	–	89	5	53	1	–	–	1·88	–	·78	30	9	7	0	0	0	5	0	0	0	0	8·94	–
	Throwley ...	9 9 9	493	73·1	53·5	63·3	–	86	5,8	44	15	66·2	59·5	1·66	–	·52	28	7	7	0	0	0	2	0	0	0	0	9·68	–
	Faversham ...	9 9 9	157	74·2	53·9	64·1	–	89	5	43	15	65·2	61·3	2·22	–	·96	28	9	9	0	0	1	6	0	0	0	0	9·76	–
	Dungeness ...	21–9 9	10	70·2	57·4	63·8	–	81	5	47	15	–	–	1·07	53	·31	30	6	5	0	0	0	3	0	0	–	0	–	–
	Wye	9 9 9	185	74·0	54·0	64·0	+1·9	88	5	42	15	–	–	2·13	84	·87	29	9	7	0	0	0	5	0	0	0	0	9·64	137
	Whitstable ...	9 9 9	9	74·2	56·7	65·5	–	90	5	44	15	–	–	1·78	90	·70	28	7	6	0	0	0	5	0	0	–	0	9·31	–
	Folkestone ...	9 9 9	128	71·9	58·9	65·4	–	83	5,9	51	15	–	61·7	1·87	84	·52	28	6	5	0	0	0	5	0	0	0	0	10·35	–
	Wingham (Elmstone)	9 9 9	28	75·2	53·2	64·2	–	89	5,8	42	15	–	–	2·15	–	1·00	29	7	6	0	0	0	4	0	0	0	0	–	–
	Herne Bay ...	9 9 9	21	75·1	58·5	66·8	–	90	5	50	15	–	–	2·02	98	·69	28	7	7	0	0	0	5	0	0	–	0	9·69	–
	Dover	9 9 9	19	71·5	58·0	64·7	+2·4	82	9	47	15	68·8	64·5	1·94	83	·56	28	6	5	0	0	1	4	0	0	0	0	9·99	– S
	Ramsgate ...	9 9 9	80	70·5	59·8	65·1	–	81	18	53	1,13	–	–	3·09	141	1·79	29	5	5	0	0	0	3	0	0	–	0	9·83	134
	Margate	9 9 9	51	71·5	60·0	65·7	+2·3	85	18	54	1	66·7	62·2	1·78	90	·67	29	6	6	0	0	0	5	0	0	0	0	10·07	130
Sussex	Thorney Island ...	21–9 9	10	73·8	55·6	64·7	–	85	5	46	14	–	–	1·59	–	1·28	10	6	4	0	0	0	6	0	0	0	0	10·39	–
	Bognor Regis ...	9 9 9	24	70·5	57·1	63·8	+1·9	79	9	51	16	–	62·0	1·04	150	·34	28	7	6	0	0	0	7	0	0	0	0	10·53	–
	Fernhurst ...	9 9 9	188	74·1	52·0	63·1	–	88	5	43	14	66·8	–	1·87	–	·85	10	8	7	0	0	0	7	0	0	0	0	9·61	–
	Littlehampton ...	9 9 9	15	71·3	56·5	63·9	+2·0	80	5,9	50	14	–	63·5	1·15	52	·38	26	6	5	0	0	0	2	0	0	–	0	10·85	150
	Worthing ...	9 9 9	25	72·1	57·9	65·0	+2·5	82	9	53	14	65·8	61·3	1·43	67	·51	28	9	6	0	0	0	6	0	0	0	0	10·52	140
	Brighton ...	9 9 9	32	71·8	58·0	64·9	–	85	9	52	15	–	63·6	1·67	77	·70	29	7	3	0	0	0	5	0	0	0	0	9·93	–
	East Grinstead ...	9 9 9	440	76·5	51·4	63·9	–	89	5	45	14,15,16	–	60·5	2·19	–	·90	29	9	8	0	0	0	5	0	0	0	0	–	–
	Seaford	9 9 9	45	70·8	56·4	63·6	–	85	5	48	15	–	–	1·76	82	·64	28	6	5	–	–	–	–	0	0	–	–	10·08	–
	Eastbourne ...	9 9 9	35	70·8	57·6	64·2	+1·9	81	9	52	15	67·2	61·9	1·57	70	·75	28	6	5	0	0	0	4	0	0	0	–	10·74	140
	Eastbourne (C/guard)	21–9 9	17	71·2	56·8	64·0	–	84	9	49	15	–	–	1·47	–	·65	28	7	4	0	0	0	3	0	0	0	0	–	–
	Hankham ...	9 9 9	68	73·5	53·4	63·5	–	86	9	44	16	63·6	59·9	1·59	–	·46	28	8	6	0	0	0	4	0	0	0	0	10·53	–
	Bexhill	9 9 9	14	70·3	57·9	64·1	+2·2	82	9	51	16,31	65·9	–	1·91	89	·51	28	7	6	0	0	0	4	0	0	0	0	9·37	–
	Sedlescombe ...	9 9 9	175	73·4	53·6	63·5	–	88	5	46	15	–	–	3·29	–	1·36	28	8	6	0	0	0	3	0	0	0	0	–	–
	Bodiam	9 9 9	73	75·5	51·4	63·5	–	89	8	41	15	65·1	59·6	2·91	–	1·15	28	8	6	0	0	–	2	0	0	1	–	9·72	–
	Hastings ¶§	9 9 9	149	71·6	57·7	64·7	+2·5	86	9	51	31	69·7	63·7	1·31	58	·64	28	7	5	0	0	0	5	0	0	0	0	10·35	141
Berkshire	Abingdon ...	21–9 9	210	75·4	53·8	64·6	–	93	5	44	14	–	–	1·74	71	·54	10	10	7	0	0	0	4	0	0	0	0	8·95	–
	Woolhampton ...	9 9 9	370	74·5	53·2	63·9	–	89	5	44	14	66·8	–	1·62	65	·67	10	10	6	0	0	0	4	0	0	0	0	–	–
	Shinfield	9 9 9	200	74·6	53·4	64·0	+1·6	90	5	43	14	–	–	2·75	–	1·13	10	8	6	0	0	1	7	0	0	0	1	9·15	–
	Reading ... *	9 9 9	148	75·5	55·1	65·3	+2·1	91	5	45	14	67·3	63·3	2·12	84	1·02	10	8	6	–	–	–	–	0	0	–	0	8·48	–
	Finchampstead ...	9 9 9	212	75·3	51·8	63·5	–	91	5	40	14	65·0	60·7	3·12	–	1·62	10	10	9	0	0	1	6	1	0	0	0	8·85	–
	Wokingham ...	9 9 9	200	75·5	52·7	64·1	–	91	5	41	14	65·7	60·7	3·06	–	1·59	10	11	9	0	0	1	6	0	0	–	0	–	–
	Hurley	9 9 9	140	75·4	52·7	64·1	–	91	5	43	14	68·0	–	3·33	–	1·47	10	10	8	0	0	1	5	0	0	0	0	8·72	–
Hampshire	Bournemouth ...	9 9 9	130	71·1	54·5	62·8	+0·1	79	5	48	14	65·3	61·5	2·30	104	1·61	10	7	5	0	0	1	4	0	0	0	0	10·30	151
	Christchurch ...	9 9 9	9	72·7	53·4	63·1	–	82	8	42	19	–	–	2·88	–	1·94	10	7	6	0	0	0	5	0	0	0	0	–	–
	Ringwood ...	9 9 9	250	74·7	53·8	64·3	–	88	8	46	14	65·2	59·9	2·19	–	1·39	10	8	6	0	0	0	5	0	0	0	0	–	–
	Everton (Efford)	9 9 9	51	72·4	54·5	63·5	–	86	5	47	14,20	–	–	1·67	–	1·29	10	6	4	0	0	0	4	0	0	0	0	10·35	–
	Southampton ¶§	9 9 9	65	75·6	55·6	65·6	+2·8	88	8	46	14	67·2	62·8	1·66	69	·99	10	7	6	0	0	0	4	0	0	0	0	9·58	144
	Leckford... ...	9 9 9	385	73·7	52·0	62·9	–	88	5	43	14	63·9	–	1·99	78	·66	9	8	7	–	0	0	1	0	0	–	–	–	–
	Winchester ...	9 9 9	124	75·3	51·5	63·4	–	88	8	41	14	–	55·9	2·14	78	·98	10	8	7	0	0	0	5	0	0	0	0	8·75	–
	Martyr Worthy ...	9 9 9	275	74·2	51·6	62·9	–	88	5	42	14	–	–	2·22	–	1·15	10	8	7	0	0	0	3	0	0	0	0	8·69	–
	Southsea ...	9 9 9	7	71·8	58·9	65·3	+1·6	80	5	54	14,20,30	68·3	63·6	2·57	129	1·97	10	7	5	0	0	0	4	0	0	0	0	10·64	148
	Hayling Island ...	9 9 9	13	71·5	56·9	64·2	–	79	5,9	48	14	–	–	2·12	–	1·29	10	6	5	0	0	1	6	0	0	–	0	10·43	–
	Long Sutton ...	9 9 9	512	74·5	52·4	63·5	+1·7	89	5	44	14	66·4	–	3·11	114	1·95	10	11	8	0	0	0	6	0	0	0	0	9·47	144
	Alice Holt Lodge	9 9 9	378	74·4	52·2	63·3	–	89	5	44	14	–	–	3·76	141	2·46	10	10	9	0	0	0	5	0	0	0	0	8·76	–
	S. Farnborough ...	21–9 9	226	75·4	54·6	65·0	+2·5	92	5	43	14	–	–	3·41	134	2·13	10	10	9	0	0	0	6	0	0	0	0	9·01	135
	Blackbushe ...	21–9 9	325	74·4	54·8	64·7	–	90	5	45	14	–	–	2·49	–	1·65	10	8	7	0	0	0	7	0	0	0	0	–	–
I. of Wight	St. Catherine's Pt.	9 9 9	51	69·7	58·6	64·1	+3·5	78	9	54	4,14,31	–	–	2·07	97	·83	10	7	6	0	0	0	6	0	0	–	0	–	–
	Ventnor Park ...	9 9 9	443	70·1	57·7	63·9	–	78	9	51	14	66·0	60·0	2·20	94	·98	10	8	6	0	0	0	4	0	0	0	0	10·46	–
	Shanklin	9 9 9	180	69·8	56·3	63·1	–	81	8	49	14	–	–	2·14	–	·93	10	6	5	0	0	0	6	0	0	–	0	11·13	–
	Sandown ...	9 9 9	13	71·9	57·8	64·9	+2·4	79	9	51	14	–	–	2·01	93	1·22	10	6	5	0	0	0	4	1	0	–	0	10·80	143
	Ryde	9 9 9	15	72·7	58·6	65·7	+2·5	83	8	54	14	–	–	2·19	105	1·12	10	7	5	0	0	1	5	0	0	–	0	10·67	143
Wiltshire	Lacock (Lackham)	9 9 9	160	72·9	51·2	62·1	–	85	4	42	14,20	–	–	2·19	–	·61	27	11	8	0	0	–	–	0	0	–	–	–	–
	West Lavington	9 9 9	305	74·4	50·6	62·5	–	86	5	40	14	–	–	1·34	51	·53	10	11	7	0	0	0	0	0	0	–	0	–	–
	Lyneham ...	21–9 9	457	71·9	53·5	62·7	–	83	5	45	14	–	–	2·24	87	·98	27	10	7	0	0	1	6	0	0	0	0	8·53	–
	Larkhill	9 9 9	431	73·6	52·3	62·9	+2·0	88	5	40	14	–	–	1·69	66	·66	10	7	6	0	0	0	5	0	0	0	0	–	–
	Boscombe Down	21–9 9	414	74·0	53·5	63·7	–	89	5	45	14	–	–	1·67	67	·56	10	7	6	0	0	0	4	0	0	0	0	8·48	–
	Upavon	21–9 9	578	72·7	53·1	62·9	–	89	5	46	14	–	–	2·04	–	·69	10	7	7	0	0	0	4	0	0	0	0	–	–
	Porton ... ¶§	9 9 9	362	74·0	51·6	62·8	+2·0	89	5	41	14	62·2	–	1·20	50	·55	10	8	6	0	0	0	4	0	0	0	0	8·76	134
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	65·5	54·3	59·9	–	74	25	46	11	–	–	2·60	66	·64	16	16	10	–	0	–	–	1	0	0	–	6·95	–
	Silloth	21–9 9	25	65·4	52·7	59·1	–	75	25	43	15	–	–	3·38	105	·90	26	14	10	0	0	0	3	0	0	0	0	6·80	–
	Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Newton Rigg ...	9 9 9	560	66·4	50·6	58·5	0·0	77	4,25	40	15	–	–	3·53	115	1·13	26	15	10	–	0	–	3	0	0	0	–	6·33	126
Westmorland	Ambleside ...	9 9 9	151	67·5	51·1	59·3	–	78	25	41	14,15	–	–	6·46	124	1·57	16	17	14	0	0	0	1	0	0	–	0	5·43	–
	Moor House ...	9 9 9	1840	61·4	45·7	73·5	–	71	25	32	15	54·4	–	5·75	–	1·20	16	15	13	0	0	0	2	2	1	3	0	5·86	–
Lancashire	Barrow-in-Furness	9 9 9	55	66·6	54·0	60·3	–	79	25	48	21,31	–	–	2·46	–	·60	16	12	10	0	0	0	2	0	0	–	0	–	–
	Squires Gate ...	21–9 9	33	67·8	54·4	61·1	–	81	4	42	15	–	–	4·91	170	2·19	27	14	11	0	0	0	3	0	0	0	0	7·25	–
	Urswick	9 9 9	130	71·1	52·5	61·8	–	77	4	43	15	–	–	3·36	–	·70	12	15	12	0	0	0	3	1	0	–	0	–	–
	Poulton-le-Fylde	9 9 9	38	67·1	54·1	60·6	–	80	4	41	10	–	–	4·39	–	1·13	27	15	11	0	0	0	1	0	0	–	0	–	–
	Speke	21–9 9	80	69·7	55·9	62·8	–	83	4	46	31	–	–	3·65	–	1·17	27	15	12	0	0	0	4	0	0	0	0	6·68	–
	Kirkham ...	9 9 9	77	68·6	52·9	60·7	–	82	25	42	10,31	–	–	3·55	108	·67	16	16	12	0	0	1	2	0	0	0	0	6·79	–
	Garstang ...	9 9 9	68	67·7	52·8	60·3	–	80	4	42	10	–	–	3·43	–	·74	16	15	12	–	0	–	–	0	0	0	–	6·25	–
	Morecambe ...	9 9 9	24	67·6	55·9	61·7	+0·9	78	4	48	15	–	–	3·68	113	·87	17	13	11	0	0	0	0	0	0	–	0	6·15	105
	Preston (Moor Pk.)	9 9 9	108	68·8	53·7	61·3	–	81	4,25	44	15,31	–	–	3·98	111	·87	26	16	11	0	0	0	3	0	0	0	0	–	–
	Bolton	9 9 9	352	69·6	52·3	61·5	+1·2	82	4	42	15	61·0	57·6	4·12	–	·92	1	18	14	0	0	0	1	0	0	0	0	6·33	132

* Sunshine recordcr is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a ENGLAND, N.W.—cont.																												
Lancashire— Darwen	9 9 9	724	67·2	51·5	59·3	-0·1	81	4	43	15,16	61·6	–	5·90	137	1·08	1	19	14	0	0	0	2	0	0	–	0	–	–
cont. Stonyhurst ¶§	9 9 9	377	68·4	54·1	61·3	+1·7	81	4	45	15	–	–	4·47	110	1·06	26	18	14	0	0	0	1	0	0	0	0	6·23	122
Helmshore ...	9 9 9	854	66·8	52·2	59·5	–	79	4,25	44	15,16	59·4	–	5·29	–	1·05	1	19	13	–	0	–	2	0	0	0	–	5·68	–
Burnley	9 9 9	458	69·1	52·3	60·7	+1·4	84	4	41	15	61·5	57·0	2·98	90	1·00	26	13	12	0	0	0	1	0	0	0	0	–	–
Nelson	9 9 9	540	67·7	52·5	60·1	–	82	4	42	15	62·1	56·1	3·26	89	·90	26	18	12	–	0	–	3	0	0	0	–	5·84	–
Rochdale ...	9 9 9	362	69·6	51·7	60·7	–	83	4	41	15	–	–	3·28	–	·81	1	15	10	0	0	0	2	0	0	0	0	5·86	–
Cheshire West Kirby Park	9 9 9	17	69·0	56·3	62·7	–	82	25	46	15	–	–	2·52	–	·65	27	15	12	0	0	0	2	–	0	0	1	7·17	–
Bidston Obs'y. ¶§	9 9 9	198	67·4	56·4	61·9	+1·5	82	4	50	28	–	–	3·16	114	·67	27	18	14	0	–	1	3	0	0	0	0	7·14	121
Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Northwich(Winnington)	9 9 9	65	72·0	55·9	63·9	–	85	4	47	15,31	–	–	2·55	93	·57	26	14	12	0	0	0	2	0	0	0	0	–	–
Manchester Airport ¶§	21-9 9	248	71·4	54·7	63·1	+3·2	85	25	43	15	–	–	2·86	93	·53	1,26	13	11	0	0	0	4	0	0	0	0	6·63	134
Macclesfield ...	9 9 9	500	70·7	54·7	62·7	+2·4	84	4	45	15	–	–	3·01	82	·73	26	14	12	0	0	0	1	3	0	0	–	0	–	–
7b NORTH WALES																												
Flint Rhyl	9 9 9	31	68·0	54·9	61·5	+0·9	77	25	43	15	–	–	2·04	98	·56	27	13	10	0	0	1	2	0	0	0	0	7·38	126
St. Asaph ...	9 9 9	75	69·6	53·1	61·3	–	78	4	42	15	–	–	2·11	–	·54	26	13	11	–	0	–	2	0	0	0	–	–	–
Prestatyn ...	9 9 9	12	68·2	55·0	61·6	–	77	25	45	31	–	–	2·68	115	1·11	27	13	10	0	0	0	2	0	0	–	0	6·58	–
Hawarden Bridge	9 9 9	17	71·0	54·7	62·9	+1·6	83	4, 25	43	15	–	–	2·22	90	·52	27	14	12	0	0	0	4	0	0	–	0	–	–
Anglesey Holyhead (Valley)	21-9 9	26	67·1	54·4	61·7	+2·6	78	4, 24	44	14	–	–	1·07	42	·24	17	10	7	0	0	0	1	0	0	0	0	7·28	122
Denbigh Colwyn Bay ...	9 9 9	118	68·4	56·4	62·4	+1·7	77	2	48	15	–	–	1·41	65	·26	26	11	9	0	0	0	0	–	0	–	0	7·64	134
Alwen	9 9 9	1100	66·5	48·3	57·4	–	78	4, 25	33	15	–	–	4·14	–	·76	16	16	14	–	–	–	–	–	0	2	–	–	–
Bwlchgwyn ...	9 9 9	1267																										
Ruabon	9 9 9	312	71·1	52·8	61·9	–	83	4	43	15	–	–	2·57	–	·49	16,28	14	11	0	0	0	3	0	0	0	0	6·38	–
Wrexham ...	9 9 9	275	71·0	54·1	62·5	–	85	4	44	15	62·3	59·1	2·16	–	·49	26	15	11	0	0	0	3	0	0	0	0	–	–
Caernarvon Bryn Adda ...	9 9 9	275	66·9	54·5	60·7	–	78	25	45	14	–	–	2·81	–	·77	27	12	10	0	0	0	2	0	0	0	0	6·19	–
Aber	9 9 9	60	68·0	55·2	61·6	+1·5	79	25	47	15	–	–	1·56	51	·50	16	13	9	0	0	0	1	0	0	–	0	7·15	133
Llandudno ¶§	9 9 9	13	67·2	55·8	61·5	+1·0	76	25	46	15	–	–	1·61	78	·55	28	11	9	0	0	0	1	0	0	–	1	7·45	128
Merioneth Harlech	21-9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Blaenau Ffestiniog	9 9 9	750	65·9	53·1	59·5	–	79	4	46	14,15	–	–	6·74	–	1·67	16	16	14	0	0	3	2	3	0	–	0	5·69	–
Corwen	9 9 9	473	69·3	51·3	60·3	–	83	4	34	15	–	–	3·83	–	·64	22	17	12	0	0	0	2	–	0	0	–	–	–
Montgomery Lake Vyrnwy ...	9 9 9	995	65·7	51·3	58·5	–	78	4	41	15	–	–	6·77	153	1·53	16	18	15	0	0	0	3	0	0	0	0	–	–
8a SOUTH WALES																												
Cardigan Aberporth ...	21-9 9	376	66·3	54·9	60·6	–	81	4	47	14,15	–	–	2·19	69	·60	28	11	7	0	0	0	3	0	0	0	0	7·86	–
Aberystwyth ...	9 9 9	12	67·5	55·4	61·5	–	83	4	45	14	–	–	3·93	–	1·20	27	15	11	0	0	0	4	0	0	–	0	6·58	128
,, P.B.S.*	9 9 9	452	67·2	54·4	60·8	–	82	4	45	14,15	–	–	4·49	–	1·19	27	16	10	0	0	0	3	2	0	0	0	7·29	147
Gogerddan ...	9 9 9	103	68·3	53·1	60·7	–	83	4	41	15	–	–	4·24	121	1·36	27	14	13	0	0	0	2	0	0	0	0	7·02	–
Swyddffynnon ...	9 9 9	540	69·7	50·5	60·1	–	81	4	43	10,30,31	–	–	3·66	–	·70	17	19	13	0	0	0	0	0	0	0	0	–	–
Trawscoed ...	9 9 9	200	70·1	–	–	–	82	4,25	–	–	–	–	3·83	92	1·35	27	15	13	0	0	0	1	0	–	1	0	6·71	–
Llety-evan-hen ...	9 9 9	950	64·8	51·1	57·9	–	76	24	45	15	–	–	5·95	–	1·56	27	16	16	0	0	0	3	2	0	1	0	6·57	–
Pembroke Dale Fort ...	9 9 9	109	68·6	56·1	62·3	–	77	4,24,25	50	15	–	–	1·37	–	·32	25	8	8	0	0	0	3	0	0	0	0	8·96	–
Brawdy	9 9 9	360	66·3	53·9	60·1	–	79	4, 25	45	15	–	–	1·70	–	·44	28	15	6	0	0	0	3	1	0	0	0	7·64	–
Milford Haven ...	9 9 9	179	68·8	55·3	62·1	–	80	4	46	14	–	–	2·41	–	·85	28	10	7	0	0	0	5	0	0	–	0	8·39	–
Haverfordwest ...	9 9 9	131	69·8	53·5	61·7	+2·3	80	4, 25	42	14,15	–	–	2·41	65	·70	16	11	8	0	0	0	0	0	0	–	0	–	–
Radnor Llandrindod Wells ¶§	9 9 9	772	69·5	50·8	60·1	+1·2	82	4	38	15	–	–	3·76	119	·53	27	14	12	0	0	0	2	0	0	–	0	6·47	124
Brecknock Llwynon ...	9 9 9	860	67·7	50·4	59·1	–	79	4	40	15	–	–	5·37	–	·99	16	16	14	0	0	0	6	0	0	–	0	–	–
Glamorgan Mumbles Head ...	21-9 9	117	67·4	52·5	59·9	–	76	24	45	14	–	–	–	–	–	–	–	–	0	0	1	5	0	0	0	0	–	–
Swansea	9 9 9	27	69·8	56·8	63·3	+1·1	78	24,25	49	14	68·9	64·4	2·80	80	·52	16	13	12	0	0	0	2	0	0	0	0	7·57	130
Port Talbot ...	9 9 9	24	71·5	54·8	63·1	–	83	4, 25	44	15	–	–	2·90	–	·59	27	13	11	0	0	0	0	0	0	0	–	6·26	– S
Neath	9 9 9	153	70·1	55·1	62·6	–	81	4	45	15	–	–	3·62	–	·74	16	14	13	0	0	0	3	0	0	0	0	–	–
Rhoose	21-9 9	220	69·7	54·6	62·1	–	80	4	46	15	–	–	2·89	97	·73	28	12	8	0	0	0	4	0	0	0	0	8·03	–
Cardiff ... ¶§	9 9 9	202	71·5	55·3	63·4	+2·0	82	4	49	15,20	65·8	60·6	3·95	115	1,00	16	12	11	0	–	0	4	0	0	0	–	7·11	114
Monmouth Tredegar ...	9 9 9	1028	68·2	51·1	59·7	–	79	8	41	15	–	–	6·25	–	2·10	10	15	12	0	0	0	3	1	0	–	0	6·22	– S
Newport	9 9 9	75	71·6	54·3	62·9	–	82	4	47	20	–	–	4·40	132	1·23	10	12	9	0	0	1	3	0	0	–	0	6·49	–
Usk	9 9 9	70	72·2	51·0	61·6	–	82	4	42	20	65·7	–	4·69	144	1·20	27	10	8	0	0	0	3	0	0	0	0	7·21	–
Crumbland Plantation	9 9 9	804	69·6	53·2	61·4	–	80	4, 8	46	14,15	63·2	59·7	3·86	–	·88	10,16	11	8	0	0	0	3	1	0	0	0	7·79	–
8b ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9 9 9	1030	66·7	51·2	58·9	–	76	24	42	14	–	–	4·89	–	1·58	26	14	11	–	0	–	–	0	0	0	–	–	–
Bickenhall ...	9 9 9	231	73·3	52·7	63·0	–	82	24	45	20	–	–	1·77	–	·53	10	8	5	0	0	1	7	–	0	–	–	–	–
Cannington ...	9 9 9	95	73·2	55·0	64·1	–	82	4,24	49	14,20	–	–	2·15	87	·60	10	8	7	0	0	1	1	0	0	0	0	8·87	–
Weston-s.-Mare ...	9 9 9	28	71·8	56·8	64·3	–	83	4	50	15	–	–	2·78	104	·56	16,28	9	7	0	0	0	0	2	0	0	0	8·03	130
Long Ashton ...	9 9 9	162	72·0	54·2	63·1	+1·4	84	4	47	14,15	64·0	–	3·05	97	·89	27	8	6	0	0	0	3	0	0	0	0	7·33	118
Bath ... ¶§	9 9 9	67	73·3	54·5	63·9	+1·1	83	4, 8	46	14	65·7	61·7	2·92	106	·90	27	10	8	0	0	1	7	0	0	0	–	7·87	130
Dorset Portland Bill ...	21-9 9	35	66·8	58·5	62·7	+2·6	73	9	54	14	–	–	1·27	67	·65	10	5	3	0	0	0	5	1	0	–	0	–	–
Weymouth ...	9 9 9	16	71·9	57·1	64·5	+2·3	84	5, 8	50	14	–	–	1·43	66	·55	10	6	6	0	0	0	3	1	0	–	0	9·28	134
Shaftesbury ...	9 9 9	680	71·7	53·6	62·7	+2·4	83	5	47	14	–	–	·99	37	·42	10	7	7	–	0	–	–	0	0	–	0	–	–
Swanage	9 9 9	37	69·6	55·6	62·6	–	82	5	49	27	–	61·2	2·79	–	2·27	10	5	4	0	–	0	2	0	0	0	0	10·25	–
Poole	9 9 9	18	73·6	53·4	63·5	–	86	8	46	14	–	–	1·83	–	1·27	10	7	5	0	0	1	3	0	0	–	0	9·92	–
Devon Hartland Pt. ...	21-9 9	298	65·7	57·5	61·6	–	83	4	51	15	–	–	2·57	–	·83	28	11	10	0	0	0	3	1	0	0	0	8·28	–
Plymouth (Mt. Batten)	21-9 9	87	69·7	54·7	62·2	+1·4	80	24	45	15	–	–	1·47	57	·64	10	9	6	0	0	0	5	0	0	0	0	9·11	143
Plymouth (The Hoe)	9 9 9	119	70·6	54·9	62·7	+1·2	81	8	47	14,15	65·0	61·4	2·01	78	·85	9	8	7	0	0	0	1	0	0	0	0	9·11	142
Tavistock ...	9 9 9	457	72·2	–	–	–	83	8	–	–	–	–	2·15	–	·49	27	11	9	–	–	–	–	–	–	–	–	–	–
Chivenor ...	21-9 9	20	71·5	55·4	63·5	–	85	24,25	46	14	–	–	2·34	–	·82	28	9	8	0	0	0	2	0	0	0	0	8·51	–
Ilfracombe ...	9 9 9	25	68·5	58·6	63·5	+2·3	82	4	54	14	66·7	62·2	4·07	137	·84	27	11	9	0	0	0	1	0	0	0	0	8·56	137
Princetown ...	9 9 9	1359	66·4	51·3	58·9	–	76	8	46	15	–	–	3·88	59	1·25	28	10	9	0	0	0	2	4	0	0	0	–	–
**Totnes	9 9 9	120	72·4	50·2	61·3	–	83	8	39	14	64·4	58·6	1·74	58	·55	10	9	8	0	0	0	2	1	0	1	0	8·71	–
†Newton Abbot ...	9 9 9	272	71·7	53·8	62·7	+1·4	82	8	46	15	–	–	1·49	57	·66	10	8	7	0	0	0	2	0	0	0	0	8·91	148
Paignton... ...	9 9 9	8	71·5	55·3	63·4	–	79	5	46	14	–	–	2·22	94	1·19	10	7	7	0	0	0	2	0	0	–	0	9·30	140
Torquay	9 9 9	26	70·5	56·0	63·3	+1·1	80	5	48	14	–	63·7	2·49	116	1·57	10	7	6	0	0	0	2	0	0	0	0	9·79	143
Teignmouth ¶§	9 9 9	20	71·2	56·6	63·9	+1·4	80	8	49	14	–	–	1·81	83	1·03	10	7	4	0	0	0	2	0	0	0	0	8·87	131

¶§. 8 *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER JULY 1959

District, County and Place		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b	ENGLAND, S.W.—cont.																												
Devon—cont.	Starcross... ...	9 9 9	29	70·6	53·4	62·0	–	82	8	46	15	–	–	2·63	–	1·26	10	7	6	0	0	0	3	0	0	0	0	8·74	–
	Exmouth ...	9 9 9	195	70·5	54·5	62·5	+1·5	83	8	49	14,15	–	–	2·15	91	1·22	10	5	4	0	0	0	4	0	0	–	0	8·80	138
	Exeter	21–9 9	106	72·3	53·3	62·8	–	86	8	43	14	–	–	2·25	91	1·15	10	7	5	0	0	0	5	0	0	0	0	8·27	–
	Uffculme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Sidmouth ...	9 9 9	25	69·7	55·8	62·7	+1·6	79	8	48	15	–	–	2·05	–	1·16	10	6	6	–	0	–	–	0	0	0	–	8·47	–
Cornwall	St. Mary's, Scilly	21–9 9	158	68·5	57·8	63·1	+2·6	76	23,24	55	11,15	–	–	·95	43	·53	28	9	4	0	0	0	0	1	0	–	0	8·08	124
	Penzance ...	9 9 9	62	70·0	55·5	62·7	+1·2	77	22	50	15	–	–	1·85	68	·55	10	11	7	0	0	0	2	0	0	–	0	9·25	145
	Gulval	9 9 9	50	69·9	56·3	63·1	+2·2	77	4	49	20	–	–	1·84	–	·63	10	8	6	0	0	0	0	0	0	–	0	8·48	132
	Camborne (Rosewarne)	9 9 9	250	68·6	55·3	61·9	–	77	22, 24	50	4,20	–	60·7	1·81	–	·48	28	11	8	0	0	0	0	0	0	0	0	8·12	–
	Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Falmouth ¶§	9 9 9	167	69·0	55·4	62·2	+0·7	75	21	49	20	–	–	1·81	65	·49	28	10	6	0	0	0	1	0	0	0	0	8·25	130
	Newquay ...	9 9 9	176	68·0	55·7	61·9	+1·5	79	24	48	15,20	–	–	1·76	66	·48	27	10	7	0	–	0	2	–	0	–	–	8·47	135
	St. Mawgan ...	21–9 9	337	68·4	55·5	61·9	–	81	24	49	15	–	–	1·72	–	·42	28	10	9	0	0	0	3	0	0	0	0	8·88	–
	St. Austell ...	9 9 9	310	69·6	55·2	62·4	–	77	23	49	20	–	–	2·21	65	·54	28	10	8	0	0	0	1	0	0	–	0	–	–
	Fowey	9 9 9	51	69·9	55·3	62·6	+1·3	80	8	47	15	–	–	1·67	–	·50	28	9	7	0	0	0	2	0	0	–	0	–	–
	Bude	9 9 9	50	69·7	53·9	61·8	+1·5	83	4, 25	45	20	–	–	2·34	87	·63	25	11	9	0	0	0	3	–	0	–	0	8·02	134
	Ellbridge ...	9 9 9	190	71·3	52·5	61·9	–	81	8	43	14,15	–	–	1·36	–	·50	10	11	8	0	0	0	1	0	0	0	0	8·23	–
	NORTHERN IRELAND																												
Londonderry	Ballykelly ¶§	21–9 9	3	65·6	53·1	59·3	+1·2	79	25	43	9,14	–	–	3·01	96	·65	11	17	11	0	0	0	0	0	0	0	0	3·99	94
	Garvagh ¶	9 9 9	121	66·2	51·5	58·9	+1·0	77	25	39	14	62·0	–	3·26	84	·62	11	18	13	0	0	0	2	0	0	0	0	–	–
Antrim	Aldergrove ¶§	21–9 9	217	66·3	52·9	59·6	+1·3	77	4, 25	42	9	–	–	4·10	134	·80	27	15	14	0	0	0	3	0	0	0	0	4·10	93
	Nutts Corner ...	21–9 9	338	66·4	52·6	59·5	–	77	25	44	9, 14	–	–	4·28	–	·69	11,17	15	13	0	0	0	1	0	0	0	0	–	–
	Parkmore Forest	9 9 9	779	61·7	45·7	53·7	–	75	25	35	12	–	–	4·09	–	·82	12,16	12	11	0	0	0	0	0	0	–	0	–	–
Down	Hillsborough §	9 9 9	388	67·0	52·5	59·7	–	76	25	44	14	60·4	–	3·71	120	·56	28	18	13	0	0	0	3	0	0	0	0	4·24	93
	Kilkeel	21–9 9	59	65·8	52·8	59·3	–	73	2, 25	41	14	–	–	2·39	–	·59	28	15	11	0	0	0	0	0	0	0	0	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	66·6	53·4	60·0	–	77	4	43	14	–	–	2·86	–	·87	18	14	10	0	0	2	1	–	0	–	0	–	–
Armagh	Armagh ... ¶§	9 9 9	205	68·7	53·1	60·9	+1·6	78	25	45	14	64·2	61·0	3·31	101	·57	11	18	14	0	0	0	1	0	0	0	0	4·62	111
	Loughgall ...	9 9 9	91	67·2	51·9	59·5	–	76	25	41	14	–	–	3·14	–	·53	17	18	11	0	0	0	0	–	0	1	0	4·44	–
Fermanagh	Ely Lodge ...	9 9 9	165	66·6	53·1	59·9	–	77	27	43	10,14	63·4	58·0	3·17	–	·83	16	19	15	0	0	0	1	0	0	0	0	–	–
	CHANNEL ISLES																												
Guernsey	States Airport ...	9 9 9	340	69·0	56·9	62·9	–	84	4	51	28	66·0	61·5	2·67	123	2·23	10	6	4	0	0	0	2	0	0	0	0	10·84	–
Alderney	States Airport ...	9 9 9	288	67·3	56·2	61·7	–	77	5	52	4,15,21	63·6	–	·95	–	·41	28	5	4	0	0	0	2	1	0	–	0	10·57	–
Jersey	Jersey Airport ...	9 9 9	273	71·3	58·1	64·7	–	87	4	54	15	–	–	·67	33	·34	28	7	4	0	0	0	2	0	0	0	0	10·95	–
	St. Helier ...	9 9 9	28	73·8	59·0	66·4	–	88	4	51	14	–	–	·58	32	·35	28	4	4	0	–	0	1	0	0	–	0	10·82	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	MEAN TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	MEAN TEMPERATURE AND HUMIDITY: Vapour Pressure	MEAN TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																				
0 SCOTLAND, N.	3	272	1012·4	–	52·0	0·7	12·7	95	7·0	0	1	3	11	12	4	0	2	2	0	1	3	4	7	4	8	0	1	15	14	1	4	1	2	2	7	7	5	2
	9	272	1012·6	+1·9	54·9	1·6	13·1	89	7·0	0	0	3	14	11	3	0	1	2	0	1	0	6	3	9	10	0	2	16	13	0	4	3	2	3	9	7	4	1
Zetland — Lerwick Observatory H	15	272	1013·1	–	56·4	2·6	13·8	84	6·4	0	2	4	17	7	1	0	1	0	0	0	1	4	4	9	11	0	2	21	8	0	1	3	3	5	9	6	4	0
	21	272	1013·3	–	52·9	1·0	12·8	94	6·7	0	1	4	17	8	1	0	1	0	0	0	1	4	7	8	10	0	1	19	10	1	3	1	3	5	6	5	5	2
	3	94	1012·5	–	53·1	1·1	12·8	92	7·4	0	0	3	8	20	0	0	0	0	0	0	1	7	5	8	10	0	0	14	12	5	3	1	3	2	9	3	4	1
	9	94	1012·7	–	56·8	2·5	13·3	84	7·0	0	0	2	16	13	0	0	0	0	0	0	0	5	2	11	13	0	2	15	14	0	3	1	3	4	6	8	4	2
Orkney — Grimsetter.. H	15	94	1013·0	–	59·0	3·8	13·2	78	6·5	0	0	8	11	12	0	0	0	0	0	1	4	3	19	0	2	17	12	0	4	1	1	7	5	4	7	2	1	2
	21	94	1013·0	–	54·7	1·5	13·2	90	6·9	0	1	3	12	15	0	0	0	0	0	2	0	5	4	10	10	0	0	13	16	2	4	0	2	8	6	2	6	1
	3	121	1013·1	–	53·3	1·5	12·5	89	6·7	0	1	3	20	7	0	0	0	0	0	3	1	4	4	9	10	0	1	11	17	2	1	2	3	2	9	3	5	4
	9	121	1013·2	+2·2	57·4	3·2	13·0	81	6·6	0	2	2	17	10	0	0	0	0	0	0	1	6	6	2	17	0	2	14	11	4	2	1	2	2	10	4	3	3
Caithness — Wick .. H	15	121	1013·4	–	59·1	3·7	13·4	79	6·5	0	1	4	18	8	0	0	0	0	0	0	1	4	3	7	16	0	1	14	16	0	2	4	4	8	6	1	3	3
	21	121	1013·6	–	55·3	1·9	13·1	88	7·0	0	1	2	16	10	2	0	1	0	1	1	0	1	10	5	12	0	0	10	16	5	1	2	1	9	6	1	3	3
	3	371	1011·9	–	53·2	1·2	12·8	92	7·5	0	0	2	6	16	7	1	2	3	1	0	0	1	1	4	18	0	1	10	17	3	0	3	1	4	6	11	1	2
	9	371	1012·2	–	54·6	1·4	13·3	91	6·8	0	1	6	5	15	4	0	1	1	2	0	0	5	2	3	17	0	2	12	15	2	0	3	2	3	8	10	2	1
Sutherland — Cape Wrath ..	15	371	1012·5	–	55·6	1·5	13·7	90	7·1	0	1	2	9	16	3	1	1	1	0	0	0	2	0	5	21	0	1	13	14	3	1	4	0	2	8	10	2	1
	21	371	1012·7	–	54·3	1·0	13·5	93	7·5	0	0	2	1	10	14	6	2	2	0	1	0	0	1	0	22	0	1	9	18	3	2	4	3	3	6	8	1	1
	3	16	1012·3	–	53·5	1·1	13·0	92	6·9	0	0	2	3	11	15	0	0	0	0	0	0	1	7	10	10	3	0	1	16	12	2	3	2	1	1	14	4	3	1
Ross & Cromarty — Stornoway H	9	16	1012·7	+1·8	56·5	2·1	13·5	87	7·0	0	0	0	5	12	14	0	0	0	0	0	0	0	8	6	9	8	0	2	20	9	0	3	4	0	2	16	5	2	1
	15	16	1013·0	–	57·7	2·7	13·6	84	7·3	0	0	0	1	18	12	0	0	0	0	0	0	1	3	7	11	9	0	2	22	7	0	0	3	0	2	15	5	1	3
	21	16	1013·0	–	54·8	1·5	13·3	90	7·1	0	0	0	2	14	15	0	0	0	0	0	0	1	8	2	14	6	0	1	15	14	1	3	5	0	1	9	7	3	2
	3	21	1012·4	–	54·4	0·9	13·6	94	6·6	0	0	2	6	8	15	0	0	0	0	0	1	0	2	5	6	8	8	0	1	18	11	1	2	3	0	2	8	10	3	2
	9	21	1012·7	–	56·8	1·3	14·4	92	6·8	0	1	4	14	12	0	0	0	0	0	0	0	1	0	5	8	8	9	0	2	18	11	0	3	1	2	0	13	10	2	2
Inverness — Benbecula.. H	15	21	1012·9	–	58·1	2·1	14·5	88	7·1	0	1	1	16	13	0	0	0	0	0	4	2	2	4	7	12	0	3	18	10	0	3	2	1	4	8	8	3	2
	21	21	1012·9	–	55·2	1·1	13·9	93	6·7	0	1	4	14	11	1	0	0	1	0	0	4	3	7	6	10	0	3	9	19	0	3	3	1	1	10	9	2	2
1 SCOTLAND, E.																																											
	3	19	1012·8	–	54·5	2·4	12·3	84	6·3	0	1	9	15	6	0	0	0	0	0	0	0	4	3	12	12	0	0	7	24	0	3	2	1	3	9	10	2	1
	9	19	1013·1	–	60·5	4·7	13·2	73	6·4	0	1	8	14	8	0	0	0	0	0	0	0	3	1	6	21	0	1	13	17	0	3	1	2	1	3	6	13	2
Moray — Kinloss .. H	15	19	1012·8	–	63·8	6·4	13·2	66	6·4	0	1	6	15	9	0	0	0	0	0	0	0	1	4	7	19	0	4	12	15	0	5	2	2	1	4	4	9	4
	21	19	1013·2	–	58·1	3·5	13·1	79	6·5	0	1	5	17	8	0	0	0	0	0	0	0	2	4	6	19	0	1	4	26	0	2	6	5	1	5	7	4	1
	3	193	1014·2	–	52·4	1·6	12·0	89	5·5	1	6	5	13	5	1	0	0	0	1	0	2	7	6	11	4	0	0	2	18	11	3	1	1	1	5	1	6	2
	9	193	1014·1	+2·4	60·8	4·9	13·1	72	6·3	0	0	8	15	8	0	0	0	0	0	1	0	5	5	14	6	0	1	9	17	4	3	0	2	1	9	4	1	7
Aberdeen — Dyce .. H	15	193	1014·0	–	64·6	6·9	13·4	65	5·0	0	2	7	17	5	0	0	0	0	0	1	3	9	11	7	0	1	10	19	1	2	0	3	5	13	4	1	2
	21	193	1014·6	–	57·5	3·0	13·3	82	6·2	0	3	5	17	6	0	0	0	0	0	1	2	4	9	10	5	0	0	4	20	7	1	0	2	3	11	2	1	4
	3	108	1013·3	–	52·9	1·2	12·5	91	5·8	0	1	9	17	3	1	0	0	0	0	1	0	2	15	13	0	0	2	7	22	0	3	0	2	1	14	3	8	0
	9	108	1013·3	–	58·2	3·5	13·0	78	5·4	0	3	11	13	4	0	0	0	0	0	0	0	0	11	20	0	0	1	13	17	0	6	1	1	4	0	12	0	8
Rattray Head ..	15	108	1013·5	–	60·1	4·2	13·5	76	5·4	0	2	12	14	3	0	0	0	0	0	0	0	0	4	7	20	0	0	1	16	14	0	6	1	5	5	9	0	5	0
	21	108	1013·7	–	56·1	2·5	13·0	85	6·1	0	1	8	15	6	1	0	0	0	0	1	0	3	9	18	0	0	1	9	20	1	6	0	2	4	12	1	4	0
	3	36	1013·9	–	53·5	2·0	12·3	86	5·5	1	4	6	13	7	0	0	0	0	0	0	2	2	9	9	9	0	0	6	19	6	1	2	1	1	2	9	9	0
	9	36	1014·1	+2·2	60·7	4·8	13·2	73	5·6	0	0	7	17	6	1	0	0	0	0	1	0	0	2	7	9	12	0	0	2	8	19	2	1	1	3	3	2	12	7	0
Fife — Leuchars .. H	15	36	1013·9	–	65·9	7·7	13·4	61	5·1	0	1	7	19	4	0	0	0	0	0	0	0	1	4	15	11	0	1	16	14	0	1	0	0	7	3	4	8	8	1
	21	36	1014·1	–	59·3	4·0	13·3	77	5·3	0	7	5	14	5	0	0	0	0	0	1	4	6	5	15	0	0	0	5	24	2	1	3	2	4	4	5	10	0	1
	3	114	1014·5	–	52·7	1·1	12·8	92	5·7	0	6	3	14	8	0	0	0	0	0	0	0	0	13	13	2	3	0	0	6	14	11	1	1	2	0	0	7	8	0
	9	114	1014·7	–	61·0	4·3	13·8	75	5·4	0	2	5	16	8	0	0	0	0	0	0	0	6	7	8	8	0	2	12	16	1	0	2	1	1	1	9	15	1	1
Midlothian — Turnhouse H	15	114	1014·4	–	66·0	6·9	14·1	65	5·9	0	2	9	15	5	0	0	0	0	0	0	0	6	7	6	12	0	3	15	13	0	0	4	4	1	3	3	1	2	0
	21	114	1014·5	–	58·8	3·3	13·7	80	5·4	0	5	6	18	2	0	0	0	0	0	0	1	9	8	7	6	0	0	7	20	4	0	2	2	1	4	7	11	1	0
6a SCOTLAND, W.																																											
	3	34	1013·3	–	54·3	0·9	13·6	93	6·4	0	5	1	10	15	0	0	0	0	0	0	0	2	8	7	6	8	0	3	10	14	4	3	0	0	1	8	9	2	4
	9	34	1013·7	+2·0	57·5	2·1	14·1	87	6·9	0	2	0	18	11	0	0	0	0	0	1	1	3	8	7	5	9	0	4	14	12	1	3	1	1	1	12	7	2	3
Argyll — Tiree .. H	15	34	1013·8	–	59·2	3·1	14·0	82	6·3	0	3	5	11	12	0	0	0	0	0	0	3	3	5	5	15	0	1	15	14	1	3	0	0	2	11	8	3	3
	21	34	1013·8	–	55·7	1·4	13·8	91	6·0	0	5	3	12	11	0	0	0	0	0	1	0	5	9	5	11	0	2	13	13	3	5	0	1	1	9	5	3	4
	3	122	1013·9	–	55·2	1·5	13·4	90	6·5	0	2	4	14	11	0	0	0	0	0	0	0	2	4	7	18	0	2	3	22	4	2	0	0	0	3	15	3	6	0
	9	122	1014·3	–	58·2	2·5	14·2	86	7·1	0	1	2	13	15	0	0	0	0	0	0	0	3	3	12	13	0	0	2	28	1	2	0	0	1	12	7	6	2
Rhuvaal H	15	122	1014·4	–	59·7	3·2	14·3	82	6·3	0	2	7	12	10	0	0	0	0	0	0	0	3	2	10	16	0	0	5	24	2	4	0	0	0	1	10	5	8	1
	21	122	1014·2	–	56·6	1·9	13·8	88	5·9	0	2	10	11	8	0	0	0	0	0	1	0	2	4	9	15	0	1	5	22	3	0	1	0	0	10	5	11	1	1
	3	29	1014·4	–	54·7	1·5	13·2	90	5·2	0	3	6	11	11	0	0	0	0	0	0	0	0	9	10	6	6	0	0	8	10	13	0	1	2	0	2	6	7	0
	9	29	1014·9	+2·5	60·2	3·7	14·0	79	5·7	0	2	2	18	9	0	0	0	0	0	0	1	1	12	4	4	9	0	1	13	9	8	0	1	0	0	2	3	10	11	2
Renfrew — Renfrew .. H	15	29	1014·5	–	64·9	6·5	13·9	67	5·2	0	1	9	15	6	0	0	0	0	0	1	1	1	5	6	17	0	0	20	9	2	1	1	0	2	3	8	11	3	2
	21	29	1014·5	–	59·5	3·4	13·9	80	5·6	0	4	8	15	4	0	0	0	0	0	0	2	6	8	7	8	0	0	8	22	1	2	0	0	3	1	3	6	13	2
	3	33	1014·5	–	55·9	2·1	13·3	87	5·2	0	2	9	9	11	0	0	0	0	0	0	0	2	13	14	2	0	0	8	20	3	2	0	1	5	6	7	3	4	1
Ayr — Prestwick Airport H	9	33	1015·0	–	60·2	3·6	14·1	79	5·6	0	2	1	14	9	0	0	0	0	0	0	0	3	6	8	9	8	0	1	10	17	3	0	0	1	6	5	9	6	1
	15	33	1014·8	–	63·9	5·8	14·1	69	5·1	0	3	6	14	8	0	0	0	0	0	0	0	3	5	7	16	0	0	14	17	0	1	0	0	6	0	7	8	13	2
	21	33	1014·6	–	59·4	3·5	13·9	80	5·0	0	2	7	16	6	0	0	0	0	0	0	0	0	3	7	11	0	0	9	21	1	1	0	3	3	5	7	7	4	0
	9	778	1015·1	+2·7	57·7	2·8	13·4	82	5·5	0	1	5	15	10	0	0	0	0	0	1	2	6	5	4	14	0	0	8	19	4	0	0	0	9	10	4	5	2	0
Dumfries — Eskdalemuir H	15	778	1014·5	–	62·7	4·8	14·1	73	6·2	0	1	7	17	6	0	0	0	0	0	0	0	0	5	3	6	17	0	0	13	18	0	1	1	1	1	11	10	6	4	0
	21	778	1015·0	–	54·2	1·1	13·1	90	5·2	0	8	5	9	9	0	0	0	0	0	0	0	1	3	6	10	11	0	1	3	16	11	1	1	1	0	1	4	4	4	5
	3	260	1015·0	–	55·0	1·1	13·7	92	5·9	0	4	5	10	12	0	0	0	0	0	0	0	0	1	1	27	0	0	6	8	17	0	3	1	0	2	7	5	8	1	5
	9	260	1015·7	–	58·6	2·2	14·6	87	6·7	0	1	5	9	16	0	0	0	0	0	0	0	2	1	25	1	0	3	14	14	0	3	1	0	2	1	6	7	10	3	5
Wigtown — Mull of Galloway H	15	260	1015·3	–	60·9	3·1	15·1	83	5·9	0	1	11	11	8	0	0	0	1	0	0	0	0	1	3	26	0	0	2	17	12	0	3	0	0	0	10	5	8	5	3
	21	260	1015·2	–	56·5	1·6	14·1	90	6·2	0	0	12	7	12	0	0	0	0	0	0	0	1	2	27	1	0	3	13	15	0	6	0	0	0	2	7	4	8	5	4
6b ISLE OF MAN																																											
	3	31	1015·3	–	56·0	1·7	13·6	88	4·9	0	9	6	11	5	0	0	0	0	0	0	0	0	0	0	24	7	0	1	8	19	3	2	2	0	2	7	6	7	2
	9	31	1015·8	–	62·1	3·8	14·9	78	5·4	1	3	10	11	6	0	0	0	0	0	0	0	0	0	5	22	4	0	1	9	21	0	3	1	1	3	4	7	6	4
Isle of Man — Point of Ayre ..	15	31	1015·8	–	65·5	5·5	15·4	72	5·6	1	4	7	12	7	0	0	0	0	0	0	0	0	0	4	20	7	0	1	14	16	0	2	1	0	1	4	8	6	2	4
	21	31	1015·3	–	59·8	2·8	14·6	83	5·0	0	6	9	16	0	0	0	0	0	0	0	0	0	0	2	21	8	0	1	9	19	2	1	1	0	1	6	11	5	4	1
	3	68	1015·8	–	54·8	1·3	13·5	91	5·4	0	7	5	12	7	0	0	0	0	0	1	0	0	1	4	6	13	6	0	1	11	15	4	3	1	0	1	7	6	6	1
	9	68	1016·3	–	59·8	2·9	14·6	83	5·8	1	6	2	11	11	0	0	0	0	0	0	0	0	0	4	2	10	5	10	0	1	16	11	3	2	1	0	4	7	6	0
Ronaldsway H	15	68	1016·2	–	62·2	4·8	14·1	74	5·5	0	6	5	15	5	0	0	0	0	0	0	0	0	0	3	6	9	13	0	0	4	13	14	0	1	0	4	11	6	7	2
	21	68	1015·8	–	57·7	2·2	14·1	86	5·0	0	6	9	12	4	0	0	0	0	0	1	0	0	2	4	11	13	0	3	6	17	5	7	0	4	0	3	7	5	0	
2 ENGLAND, N.E.																																											
	3	142	1014·9	–	52·2	1·4	12·2	90	4·7	2	8	6	12	3	0	0	0	0	0	0	0	1	13	9	5	3	0	0	6	23	2	2	0	0	1	6	5	14	1	
Northumberland — Acklington H	9	142	1015·3	–	62·0	5·3	13·5	71	5·5	1	3	9	13	5	0	0	0	0	0	0	0	1	5	7	11	7	0	0	15	15	1	3	2	1	4	5	8	5	2	
	15	142	1015·0	–	64·4	6·0	14·1	69	5·5	0	7	3	16	5	0	0	0	0	0	0	0	1	4	8	11	7	0	1	15	15	0	4	1	0	3	3	5	8	3	2
	21	142	1015·1	–	57·3	2·5	13·7	85	5·0	0	7	7	11	6	0	0	0	0	0	1	0	4	4	13	5	4	0	0	9	17	5	2	0	3	3	5	8	3	2	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1959

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																
											NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS									FORCE (0-12)						DIRECTION											
																											Beaufort Force																
																											8 or more	6, 7	4, 5	1 to 3	Calm												
																											Speed in knots																
																											34 or more	22 to 33	11 to 21	1 to 10	0												
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																							N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*																																									
Northumberland—*cont.*	Tynemouth H	3	130	1015·2	–	56·3	2·6	13·0	84	5·0	2	7	7	9	6	0	0	0	0	0	0	1	9	21	0	0	0	0	0	5	25	1	2	0	0	3	0	1	2
		9	130	1015·7	+2·4	61·8	5·2	13·1	72	5·1	2	4	9	10	6	0	0	0	0	0	0	3	10	18	0	0	0	0	7	21	3	1	5	2	0	2	0	3	6
		15	130	1015·4	–	63·0	4·9	14·4	74	5·7	0	5	6	11	9	0	0	0	0	0	0	1	6	24	0	0	0	0	11	19	1	4	0	2	0	0	0	3	6
		21	130	1015·3	–	60·2	3·5	14·2	80	5·4	1	3	9	11	7	0	0	0	0	0	0	1	2	5	23	0	0	0	0	9	18	4	6	4	0	0	0	3	9
		3	118	1015·9	–	55·4	2·4	12·9	86	4·6	2	7	6	12	4	0	0	0	0	0	0	2	2	6	12	7	1	0	0	5	20	6	1	0	0	1	0	0	3
Durham	Middleton St. George H	9	118	1016·2	–	62·7	5·8	13·3	68	5·6	1	3	8	14	5	0	0	0	0	0	0	1	11	8	8	3	0	0	1	9	20	1	6	0	0	0	1	0	2
		15	118	1015·5	–	68·4	8·6	13·8	59	5·7	0	4	7	15	5	0	0	0	0	0	0	1	9	10	4	7	0	0	0	13	18	0	3	6	0	0	2	1	2
		21	118	1015·8	–	61·1	4·3	14·0	77	5·2	0	7	4	14	6	0	0	0	0	1	5	8	5	4	0	0	0	0	8	21	2	2	4	4	1	0	0	0	2
		3	131	1016·0	–	55·2	1·9	13·2	88	5·0	2	7	4	12	5	1	0	0	0	0	0	3	10	5	10	2	0	0	0	5	24	2	4	0	0	2	1	0	2
Yorks., N. Riding	Dishforth H	9	131	1016·4	–	63·1	5·1	14·2	72	5·6	0	2	10	14	5	0	0	0	0	0	0	0	12	8	5	6	0	0	1	9	21	0	7	0	0	0	3	2	3
		15	131	1015·6	–	69·5	8·5	14·7	61	6·0	0	0	4	2	22	3	0	0	0	0	0	0	8	9	7	7	0	0	0	14	17	0	6	0	0	0	0	0	1
		21	131	1016·0	–	61·6	4·0	14·6	77	5·5	0	6	4	16	5	0	0	0	0	0	0	2	4	10	6	9	0	0	0	4	26	1	2	0	0	0	0	0	1
		3	27	1016·3	–	54·8	1·3	13·5	91	4·2	1	12	5	8	5	0	0	0	0	0	0	1	3	10	13	3	1	0	0	4	18	2	1	0	0	0	0	0	1
Yorks., E. Riding	Leconfield H	9	27	1016·7	–	63·9	5·5	14·4	72	5·3	0	5	9	10	7	0	0	0	0	0	0	1	9	13	4	4	0	0	0	8	22	1	4	2	0	0	0	0	1
		15	27	1016·0	–	69·7	8·6	14·6	60	5·2	1	7	4	15	4	0	0	0	0	0	0	1	4	16	7	4	0	0	0	15	16	0	2	0	1	0	0	0	1
		21	27	1016·5	–	60·7	3·1	15·0	83	5·2	0	5	10	9	7	0	0	0	0	0	0	1	2	10	10	8	0	0	0	5	21	5	1	0	0	0	0	0	1
		3	54	1016·5	–	58·4	1·8	15·0	89	4·3	4	6	7	11	3	0	0	0	0	0	0	0	12	19	0	0	0	0	0	15	15	1	3	1	0	0	0	0	1
	Spurn Head H	9	54	1017·1	+3·3	62·0	3·4	15·4	81	4·4	1	8	11	8	3	0	0	0	0	0	0	1	18	12	0	0	0	0	0	13	15	3	1	0	0	0	0	0	1
		15	54	1016·4	–	64·6	4·1	16·3	78	4·9	1	6	9	12	3	0	0	0	0	0	0	1	13	17	0	0	0	0	0	19	11	1	4	1	0	0	0	0	1
		21	54	1016·5	–	61·3	2·6	15·7	85	4·5	1	8	9	10	3	0	0	0	0	0	0	1	11	19	0	0	0	0	0	16	13	2	4	1	0	0	0	0	1
		3	227	1016·8	–	55·7	1·5	13·7	89	4·0	2	12	4	7	6	0	0	0	0	0	0	1	1	10	7	11	1	0	0	4	26	1	4	2	0	0	0	0	1
Lincoln	Waddington H	9	227	1017·0	–	64·1	5·7	14·3	71	5·6	1	4	6	16	4	0	0	0	0	0	0	1	1	7	11	6	6	0	0	7	23	1	4	2	0	0	0	0	1
		15	227	1016·1	–	70·8	10·3	13·6	54	5·8	0	4	5	19	3	0	0	0	0	0	0	0	1	8	17	5	0	0	0	16	15	0	5	2	0	0	0	0	1
		21	227	1016·8	–	61·8	4·3	14·4	77	4·6	1	7	9	12	2	0	0	0	0	0	0	1	3	11	13	3	0	0	0	5	26	0	5	2	0	0	0	0	1
		3	47	1016·6	–	55·4	1·4	13·9	92	4·2	2	11	4	8	6	0	0	0	0	0	0	2	12	12	5	0	0	0	0	6	20	1	5	1	0	0	0	0	1
	Manby H	9	47	1017·0	–	64·9	5·2	15·3	73	4·8	1	8	5	11	6	0	0	0	0	0	0	1	4	15	6	5	0	0	0	11	18	1	4	0	0	0	0	0	1
		15	47	1016·3	–	70·0	8·4	15·4	62	5·2	0	7	3	4	16	1	0	0	0	0	0	0	1	1	13	15	2	0	0	0	18	13	0	2	0	0	0	0	0	1
		21	47	1016·8	–	59·8	2·5	15·1	85	4·7	0	10	6	3	7	5	0	0	0	0	0	1	7	13	7	3	0	0	0	5	24	2	3	1	0	0	0	0	1
3 ENGLAND, E.																																									
		3	89	1016·9	–	55·3	1·0	14·0	93	3·4	7	10	3	6	5	0	0	0	0	0	0	2	15	11	3	0	0	0	0	9	20	2	5	0	0	0	0	0	1
Norfolk	Marham H	9	89	1017·3	–	65·7	5·8	15·3	71	4·3	4	7	5	9	6	0	0	0	0	0	0	0	2	15	9	5	0	0	0	15	13	3	5	0	0	0	0	0	1
		15	89	1016·5	–	71·4	9·5	14·8	58	5·6	1	5	4	16	5	0	0	0	0	0	0	0	1	12	13	5	0	0	0	17	14	0	3	0	0	0	0	0	1
		21	89	1017·1	–	62·3	3·8	15·2	79	3·8	5	9	6	7	4	0	0	0	0	0	0	0	3	14	10	2	0	0	0	12	19	0	3	0	0	0	0	0	1
		3	263	1016·8	–	55·3	1·4	13·8	91	3·4	5	13	2	5	5	1	0	0	0	1	0	0	2	5	19	4	0	0	0	7	21	3	4	2	0	0	0	0	1
	West Raynham H	9	263	1017·0	–	65·1	6·0	14·8	70	4·3	2	11	3	9	6	0	0	0	0	0	0	0	3	12	9	7	0	0	0	10	16	2	4	1	0	0	0	0	1
		15	263	1016·3	–	70·2	9·4	14·4	59	5·5	0	6	4	17	4	0	0	0	0	0	0	1	8	13	5	0	0	0	0	21	7	2	4	2	0	0	0	0	1
		21	263	1016·9	–	60·3	3·8	14·5	79	4·3	1	10	6	10	4	0	0	0	0	0	0	0	3	11	13	4	0	0	0	11	17	2	3	1	0	0	0	0	1
		3	26	1017·0	–	58·9	2·0	15·1	86	3·4	4	13	5	5	6	0	0	0	0	0	0	0	2	22	0	0	0	0	0	6	23	0	5	0	0	0	0	0	1
	Gorleston	9	26	1017·3	+2·6	64·7	4·9	15·5	74	3·5	10	6	2	10	2	0	0	0	0	0	0	0	2	11	20	0	0	0	0	8	23	0	5	0	0	0	0	0	1
		15	26	1017·3	–	68·2	7·2	15·9	74	4·0	5	7	6	10	3	0	0	0	0	0	0	0	3	12	10	0	0	0	0	12	19	0	4	0	0	0	0	0	1
		21	26	1017·2	–	62·4	2·8	15·0	92	3·5	7	8	6	7	3	0	0	0	0	0	0	0	0	13	13	0	0	0	0	7	22	1	4	0	0	0	0	0	1
		3	39	1016·9	–	56·0	1·6	13·8	89	3·9	4	10	5	7	5	0	0	0	0	1	1	1	14	11	3	0	0	0	0	3	22	1	6	2	0	0	0	0	1
Suffolk	Mildenhall H	9	39	1017·2	–	66·2	6·7	14·5	67	4·6	3	8	4	11	5	0	0	0	0	0	0	0	4	19	6	2	0	0	0	5	26	0	6	1	0	0	0	0	1
		15	39	1016·5	–	73·0	11·5	13·6	52	5·3	1	3	10	14	3	0	0	0	0	0	0	0	2	14	11	4	0	0	0	10	21	0	4	2	0	0	0	0	1
		21	39	1017·0	–	62·9	4·9	14·3	73	3·5	4	12	5	6	4	0	0	0	0	0	0	0	4	15	6	4	0	0	0	5	25	1	4	2	0	0	0	0	1
		3	13	1017·1	–	60·8	2·4	15·8	87	3·8	4	9	7	9	2	0	0	0	0	0	0	0	3	19	3	0	0	1	0	9	18	3	4	2	2	0	1	3	1
	Felixstowe.. H	9	13	1017·5	+2·4	65·8	5·2	15·8	73	3·9	6	8	3	5	3	0	0	0	0	0	0	0	7	8	11	5	0	0	1	7	22	1	4	3	2	0	1	3	1
		15	13	1017·1	–	68·6	6·6	16·1	67	4·1	4	6	8	11	2	0	0	0	0	0	0	0	5	10	12	4	0	0	1	15	15	0	4	2	3	0	1	2	1
		21	13	1017·4	–	63·9	4·2	15·7	77	3·5	1	14	8	5	3	0	0	0	0	0	0	0	3	18	9	1	0	0	0	8	23	0	2	3	3	0	0	2	1
		3	141	1017·1	–	56·5	2·3	13·6	87	4·1	4	11	1	8	6	1	0	0	0	1	0	1	3	16	10	0	0	0	0	3	28	2	5	3	3	0	0	2	1
Huntingdon	Wyton .. H	9	141	1017·4	–	65·6	6·4	14·6	68	4·5	2	9	4	10	6	0	0	0	0	0	0	1	9	15	3	3	0	0	0	11	20	2	4	3	2	0	0	2	1
		15	141	1016·5	–	72·4	10·9	14·0	53	5·8	3	2	3	10	4	0	0	0	0	0	0	0	3	10	14	4	0	0	0	12	19	0	4	3	2	0	1	1	1
		21	141	1017·1	–	63·4	5·5	14·2	72	4·4	1	9	7	11	3	0	0	0	0	0	0	0	4	10	15	5	1	0	0	6	24	1	6	3	2	0	1	1	1
		3	96	1017·2	–	54·5	1·2	13·4	92	3·7	6	10	2	8	5	0	0	0	0	0	0	2	2	15	13	3	0	0	0	4	14	13	5	1	1	2	0	1	1
Bedford	Cardington H	9	96	1017·4	–	66·1	6·6	14·4	67	4·5	3	5	9	10	4	0	0	0	0	0	1	0	0	8	16	6	0	0	0	9	19	3	5	3	2	0	1	2	1
		15	96	1016·6	–	72·5	10·9	13·9	53	5·5	2	4	2	21	2	0	0	0	0	0	0	0	2	21	7	1	0	0	0	12	16	2	4	3	2	0	1	3	1
		21	96	1017·2	–	62·2	4·6	14·2	75	3·7	1	11	3	9	2	0	0	0	0	0	0	0	2	18	5	0	0	0	0	7	17	7	4	3	2	0	1	3	1
		3	517	1017·3	–	55·3	1·3	13·7	91	3·9	8	6	3	6	8	0	0	0	0	0	0	0	1	15	12	3	0	0	0	9	14	8	2	3	2	0	0	2	1
Hertford	Bovingdon H	9	517	1017·5	–	64·1	5·0	15·0	74	4·0	4	8	6	10	3	0	0	0	0	1	0	0	0	6	11	9	4	0	0	15	16	0	7	2	2	0	0	2	1
		15	517	1016·5	–	70·7	8·9	14·9	59	5·3	2	4	4	18	3	0	0	0	0	0	0	0	3	13	10	5	0	0	0	17	13	1	5	4	0	0	2	2	1
		21	517	1017·3	–	61·9	4·1	14·6	77	3·8	5	9	4	9	4	0	0	0	0	0	0	1	1	10	10	7	2	0	0	7	22	2	3	2	1	0	0	2	1
		9	12	1017·9	+2·4	66·8	5·2	16·7	74	3·9	6	7	6	8	4	0	0	0	0	0	0	0	1	9	13	4	1	0	0	6	24	1	3	2	0	0	0	2	1
Essex	Shoeburyness H	15	12	1017·4	–	69·9	6·4	17·4	70	4·3	5	6	7	11	2	0	0	0	0	0	0	0	1	3	14	10	3	0	0	9	22	0	1	2	0	1	3	3	1
		21	12	1017·7	–	63·4	3·1	16·6	83	3·5	6	9	3	12	1	0	0	0	0	0	0	0	0	10	11	9	1	0	0	8	22	1	2	3	5	4	4	6	3
4 MIDLAND COUNTIES																																									
		3	769	1016·2	–	54·8	1·3	13·5	92	4·3	7	2	7	7	8	0	0	0	0	1	0	1	8	5	10	6	0	1	5	22	3	4	5	2	0	2	10	4	1
Yorks, W.R.	Huddersfield (Oakes) H	9	769	1016·6	–	62·9	5·3	14·1	72	5·1	1	4	10	10	6	0	0	0	0	1	0	0	6	5	15	4	0	0	0	5	22	4	4	3	0	1	0	5	12
		15	769	1016·1	–	67·4	7·1	14·8	65	5·4	2	2	10	10	7	0	0	0	0	0	0	0	3	6	9	13	0	0	0	7	23	1	1	3	3	2	1	1	4
		21	769	1016·6	–	58·8	3·2	13·9	82	4·5	4	7	5	7	8	0	0	0	0	0	0	0	0	8	9	6	8	0	0	6	23	2	1	1	3	2	1	1	4
		3	390	1016·7	–	55·6	1·8	13·4	88	4·3	4	8	5	7	7	0	0	0	0	0	0	0	3	15	10	3	0	0	0	4	17	10	3	2	3	1	1	0	0
Nottingham	Watnall H	9	390	1017·0	–	63·9	6·0	13·8	69	5·0	1	6	6	13	5	0	0	0	0	0	0	0	3	11	11	6	0	0	0	4	23	4	3	2	3	1	1	1	1
		15	390	1016·0	–	70·9	10·2	13·7	55	5·4	2	4	5	12	8	0	0	0	0	0	0	0	1	8	11	7	4	0	0	10	20	1	4	2	3	1	1	3	0
		21	390	1016·7	–	62·1	4·7	14·2	75	4·9	2	5	9	9	6	0	0	0	0	0	0	0	0	12	12	6	1	0	0	3	22	6	3	2	0	1	1	3	1
		3	46	1016·5	–	55·9	1·8	13·6	88	4·2	7	6	4	6	8	0	0	0	0	0	0	0	5	15	7	4	0	0	0	5	20	4	2	0	0	1	1	3	1
	Finningley H	9	46	1016·9	–	65·6	7·2	13·6	64	5·0	2	6	6	12	5	0	0	0	0	0	0	0	1	9	13	7	1	0	0	20	10	1	6	2	0	1	2	5	1
		15	46	1016·1	–	71·7	10·4	13·9	54	5·5	1	2	9	15	4	0	0	0	0	0	0	0	4	19	7	1	0	0	3	16	12	0	5	2	0	1	1	3	2
		21	46	1016·6	–	63·6	5·5	14·3	71	4·9	1	9	3	13	5	0	0	0	0	1	0	0	1	7	17	3	2	0	0	5	26	0	3	2	0	1	1	3	2
		9	109	1017·2	–	65·1	6·3	14·3	68	5·2	1	7	3	16	4	0	0	0	0	0	0	0	5	12	9	5	0	0	1	13	14	3	5	2	0	1	1	3	2
	Langar H	15	109	1016·2	–	71·6	10·6	13·7	53	5·6	0	6	4	17	4	0	0	0	0	0	0	0	2	13	6	10	0	0	0	18	13	0	3	3	2	1	2	2	2
		21	109	1016·8	–	62·3	4·6	14·5	75	4·8	1	7	8	13	2	0	0	0	0	0	0	0	0	4	14	10	3	0	0	10	19	2	4	3	2	1	1	3	3
		3	219	1017·0	–	55·1	1·8	13·3	89	4·0	4	11	2	8	6	0	0	1	0	1	0	1	2	12	13	1	0	0	0	10	16	5	4	2	2	0	0	5	1
Northampton	Wittering H	9	219	1017·3	–	64·8	5·9	14·5	69	5·2	1	8	3	14	5	0	0	0	0	1	0	0	2	5	13	10	2	0	0	13	16	1	6	4	2	0	0	4	2
		15	219	1016·5	–	71·8	10·4	14·3	54	5·8	2	2	6	16	5	0	0	0	0	0	0	0	2	14	14	1	0	0	1	17	13	0	4	2	3	3	3	3	1
		21	219	1017·0	–	62·5	4·7	14·4	75	4·3	3	7	7	13	1	0	0	0	0	0	0	1	5	18	7	0	0	0	0	8	23	0	4	5	3	3	3	3	1

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
4 MIDLAND COUNTIES—*cont.*																																											
Warwick Birmingham H	9	542	1017·5	+2·5	62·6	5·9	13·2	69	4·5	1	10	6	9	5	0	0	0	0	0	0	0	10	11	10	0	0	0	6	25	0	5	1	0	2	11	3	6	3
	15	542	1016·7	–	69·5	9·6	13·0	54	5·2	3	2	9	14	3	0	0	0	0	0	0	0	3	9	8	11	0	0	8	23	0	4	1	1	1	3	9	12	0
	21	542	1017·0	–	63·6	5·9	13·8	69	5·1	1	7	5	14	4	0	0	0	0	0	0	1	8	12	9	1	0	0	5	26	0	6	0	2	1	7	6	5	4
	3	362	1017·3	–	55·6	1·8	13·3	88	4·4	2	7	10	9	3	0	0	0	0	0	0	3	7	14	6	1	0	0	4	22	5	1	1	0	3	6	8	3	4
Elmdon .. H	9	362	1017·6	–	63·6	5·7	13·9	70	5·4	1	3	8	15	4	0	0	0	0	0	0	1	10	16	3	1	0	0	10	19	2	4	0	4	2	6	6	4	3
	15	362	1016·6	–	71·1	10·3	13·7	54	5·6	1	4	6	15	5	0	0	0	0	0	0	1	4	15	10	1	0	0	15	15	1	2	1	2	2	3	11	6	3
	21	362	1017·1	–	63·6	5·5	14·2	71	5·3	0	6	6	16	3	0	0	0	0	0	0	0	14	13	4	0	0	0	4	24	3	4	0	3	1	6	7	1	6
	3	242	1016·9	–	55·0	1·7	13·3	89	4·8	4	5	5	10	7	0	0	0	0	0	0	0	10	4	9	8	0	0	2	24	5	6	1	0	0	2	4	3	8	2
	9	242	1017·2	–	62·2	4·4	14·4	75	5·5	1	6	3	17	4	0	0	0	0	0	0	1	4	8	7	11	0	1	5	23	2	5	1	0	1	7	8	4	3
Shropshire Shawbury .. H	15	242	1016·5	–	68·6	7·8	14·8	63	5·4	1	5	7	12	6	0	0	0	0	0	0	0	5	7	4	15	0	1	16	14	0	8	1	0	3	4	4	9	2
	21	242	1016·9	–	60·9	3·5	14·7	80	5·2	0	7	7	12	5	0	0	0	0	0	0	0	9	8	2	12	0	0	8	22	1	11	0	1	2	4	4	7	1
	3	112	1017·3	–	56·3	2·1	13·6	87	4·2	4	7	7	9	4	0	0	0	0	0	0	1	8	13	7	2	0	0	4	16	11	4	2	1	1	2	7	3	0
	9	112	1017·7	–	64·9	6·1	14·3	68	4·8	2	6	6	16	1	0	0	0	0	0	0	0	5	14	2	10	0	0	12	15	4	5	3	0	1	3	9	2	4
Worcester Pershore .. H	15	112	1016·8	–	71·7	10·0	14·4	59	5·4	1	3	9	16	2	0	0	0	0	0	0	0	1	8	12	10	0	0	12	19	0	4	2	2	1	2	8	9	3
	21	112	1017·1	–	64·0	5·3	14·7	72	4·9	0	6	10	11	4	0	0	0	0	0	0	0	1	13	10	7	0	0	4	24	3	7	1	0	2	4	9	3	2
	9	226	1017·5	+2·4	63·8	5·0	14·7	73	4·9	1	8	4	13	5	0	0	0	0	0	1	0	9	7	12	2	0	0	6	25	0	6	3	2	1	4	7	6	2
Hereford Ross-on-Wye H	15	226	1016·7	–	70·3	9·0	14·7	59	5·4	1	5	7	12	6	0	0	0	0	0	0	1	2	6	18	3	0	0	8	22	1	5	0	2	2	4	8	6	3
	21	226	1017·2	–	62·9	4·6	14·7	75	3·7	0	16	5	6	4	0	0	0	0	0	0	0	7	7	12	5	0	0	4	22	5	5	1	0	2	3	10	3	2
	3	197	1017·6	–	57·2	2·3	13·9	86	3·7	4	10	5	8	4	0	0	0	0	0	0	1	13	11	3	3	0	1	1	21	8	3	2	2	0	4	3	7	5
	9	197	1018·0	–	63·9	5·1	14·8	74	4·5	3	7	6	7	8	0	0	0	0	0	0	1	4	18	7	1	0	0	6	25	0	6	2	3	3	2	8	5	2
Gloucester Bristol (Filton) H	15	197	1017·4	–	69·8	8·2	15·2	62	4·8	1	8	8	11	3	0	0	0	0	0	0	0	1	15	5	10	0	2	10	19	0	4	1	2	3	2	3	14	2
	21	197	1017·6	–	63·2	4·9	14·8	75	4·2	1	9	12	4	5	0	0	0	0	0	0	0	8	17	4	2	0	1	3	24	3	5	1	0	3	4	3	9	2
	3	751	1017·4	–	56·0	2·2	13·3	87	3·6	9	6	5	6	5	0	0	0	0	0	0	2	11	11	9	4	4	0	0	3	25	3	7	3	1	1	3	8	2
	9	751	1017·7	–	62·6	5·5	13·6	71	4·7	1	6	10	11	3	0	0	0	0	0	0	0	1	3	14	6	8	0	1	9	20	1	4	3	2	1	0	5	7	6	3
Little Rissington H	15	751	1016·7	–	69·1	9·0	13·8	58	5·0	1	4	8	17	1	0	0	0	0	0	0	0	1	9	14	7	0	0	0	21	1	4	2	1	1	3	3	12	4
	21	751	1017·4	–	61·5	4·2	14·2	77	3·7	2	11	9	4	5	0	0	0	0	0	0	0	5	15	4	7	0	1	4	24	2	4	1	3	1	2	6	8	4
5 ENGLAND, S.E.																																										
	3	86	1017·4	–	58·1	2·7	13·9	85	3·8	7	7	4	9	4	0	0	0	0	0	0	0	0	6	18	7	0	0	0	3	21	7	2	2	1	3	3	3	5	5
	9	86	1017·8	–	66·8	8·0	14·3	64	3·8	4	10	5	9	3	0	0	0	0	0	0	1	6	8	9	7	0	0	9	20	2	4	3	3	0	4	6	7	2
Middlesex London Airport H	15	86	1016·9	–	74·2	11·8	14·1	51	4·9	2	5	6	16	2	0	0	0	0	0	0	0	3	8	12	8	0	1	14	16	0	4	3	3	3	0	9	5	7
	21	86	1017·5	–	65·7	6·5	14·2	66	3·7	1	13	6	9	2	0	0	0	0	0	0	0	5	13	11	2	0	0	5	24	2	1	3	3	3	1	6	7	4
	9	34	1017·7	+2·2	66·5	8·0	13·1	60	4·1	5	6	9	7	4	0	0	0	0	0	0	1	8	4	5	13	0	0	6	24	1	5	3	2	1	5	7	4	2
Surrey Kew Observatory H	15	34	1016·7	–	72·5	11·6	12·9	49	4·9	3	5	4	18	1	0	0	0	0	0	0	0	1	10	7	13	0	0	13	18	0	5	1	3	2	6	8	3	3
	21	34	1017·4	–	65·6	7·1	13·5	64	3·7	2	11	8	9	1	0	0	0	0	0	0	0	1	14	9	3	0	0	4	26	1	5	2	1	1	2	6	4	2
	3	195	1017·5	–	54·2	0·9	13·2	94	3·8	5	10	3	9	4	0	0	0	0	0	1	2	19	6	3	0	0	0	1	16	14	2	1	1	1	2	6	3	2
	9	195	1017·7	–	57·0	6·3	15·4	69	3·8	4	8	7	10	2	0	0	0	0	0	0	0	3	4	14	8	5	0	0	9	18	4	5	2	2	1	4	6	3	2
Gatwick .. H	15	195	1016·9	–	74·1	10·8	15·2	54	4·8	3	4	6	16	2	0	0	0	0	0	0	0	3	8	15	5	0	1	11	17	2	3	4	2	3	1	4	9	2
	21	195	1017·5	–	62·3	3·8	15·3	80	3·2	1	14	6	9	1	0	0	0	0	0	1	0	9	17	4	0	0	0	5	26	0	1	3	2	1	0	1	16	2	2
	3	309	1017·5	–	56·3	1·6	14·0	91	3·7	6	6	8	7	4	0	0	0	0	0	1	0	2	5	11	15	2	0	0	5	18	8	3	2	1	0	0	7	1	6	4
	9	309	1017·6	–	56·3	6·3	15·0	69	3·7	6	7	7	8	3	0	0	0	0	0	0	0	1	5	14	12	0	0	0	15	13	3	7	2	0	3	1	4	5	1
Kent West Malling H	15	309	1016·9	–	72·7	10·2	14·9	56	4·5	4	3	9	13	2	0	0	0	0	0	0	0	1	15	12	3	0	0	22	9	0	7	0	3	1	10	4	5	1
	21	309	1017·7	–	51·0	3·5	14·6	81	3·5	4	9	9	6	3	0	0	0	0	0	0	1	4	25	1	0	0	0	5	26	0	1	4	1	1	14	3	5	3
	3	35	1017·7	–	58·0	1·7	14·7	89	4·1	5	7	7	6	6	0	0	0	0	0	0	0	3	20	8	0	0	0	2	22	7	2	3	4	3	0	2	6	5	3
	9	35	1018·2	–	66·8	6·3	15·2	68	3·5	1	14	7	7	2	0	0	0	0	0	0	0	1	11	11	8	0	0	2	28	1	5	4	3	2	3	6	5	3
Sussex Thorney Island H	15	35	1017·8	–	70·8	8·5	15·4	60	4·6	2	6	10	8	5	0	0	0	0	0	0	0	0	10	11	10	0	0	7	23	1	2	0	1	3	11	7	3	5
	21	35	1018·0	–	63·2	3·8	15·6	79	3·8	3	11	7	6	4	0	0	0	0	0	0	0	0	11	13	3	0	0	4	17	10	1	2	1	3	0	6	4	2
	9	20	1018·2	–	65·8	5·6	15·3	71	3·7	7	3	10	11	3	0	0	0	0	0	0	0	0	18	13	0	0	0	2	21	4	6	1	3	2	4	3	8	4
Eastbourne (Coastguard) H	15	20	1018·1	–	69·3	7·5	15·6	64	4·3	7	0	11	10	3	0	0	0	0	0	0	0	0	14	17	0	0	0	6	6	17	2	3	0	5	1	6	2	11	0
	21	20	1018·0	–	63·5	4·4	15·3	77	4·0	5	2	14	8	2	0	0	0	0	0	0	0	0	10	21	0	0	0	2	5	14	10	1	3	2	1	1	12	1	0
	3	234	1017·5	–	56·3	1·8	13·8	89	4·1	7	7	4	5	8	0	0	0	0	0	1	0	2	8	14	6	0	0	0	5	18	12	4	2	2	1	2	5	2	1
	9	234	1017·8	–	55·5	6·0	14·8	69	4·5	2	5	11	10	3	0	0	0	0	0	0	1	1	13	10	6	0	0	0	5	25	1	2	3	3	2	3	5	4	1
Berkshire Abingdon .. H	15	234	1016·9	–	73·1	10·4	14·9	55	5·3	1	5	6	14	5	0	0	0	0	0	0	0	1	12	14	4	0	0	0	11	20	0	3	3	3	2	5	4	10	4
	21	234	1017·4	–	64·0	5·0	15·0	74	3·7	4	9	9	4	5	0	0	0	0	0	0	0	0	6	8	16	1	0	0	3	18	10	1	2	2	1	4	1	6	4
	3	231	1017·7	–	56·8	1·6	14·2	89	3·9	7	7	4	5	8	0	0	0	0	0	0	0	3	10	9	7	2	0	0	1	12	18	1	1	0	1	3	3	4	1
	9	231	1017·9	+2·3	55·8	5·6	15·6	72	3·9	2	10	8	8	3	0	0	0	0	0	0	0	0	4	5	7	15	0	0	3	24	4	4	5	1	1	3	5	7	1
Hampshire S. Farnborough H	15	231	1017·1	–	73·2	9·8	15·7	57	4·8	2	5	8	13	3	0	0	0	0	0	0	0	0	4	4	3	20	0	0	4	26	1	4	3	4	1	4	5	6	1
	21	231	1017·7	–	64·5	4·8	15·5	75	3·6	4	11	5	8	3	0	0	0	0	0	0	1	8	15	5	1	0	0	4	20	7	4	1	1	1	4	5	6	4	2
	3	344	1017·5	–	56·5	1·9	13·8	88	3·9	5	10	3	5	7	1	0	0	0	0	0	1	1	12	8	9	0	0	0	16	14	1	6	3	1	1	1	6	2	8
	9	344	1017·8	–	65·4	6·7	14·2	66	4·0	2	9	6	11	3	0	0	0	0	0	0	1	1	12	8	9	0	0	0	15	16	0	5	1	3	2	1	2	4	2
Blackbushe H	15	344	1016·9	–	72·4	11·2	13·7	52	4·8	2	6	7	15	1	0	0	0	0	0	0	0	3	8	7	16	0	0	0	15	16	0	5	3	2	1	2	4	6	3
	21	344	1017·5	–	63·8	5·6	14·2	71	3·3	2	13	7	6	3	0	0	0	0	0	0	0	3	16	4	8	0	0	1	2	27	1	2	1	1	2	8	4	6	3
	3	458	1017·5	–	55·5	1·8	13·0	89	3·5	6	9	4	9	2	1	0	0	0	0	1	0	1	7	11	6	5	0	0	2	24	5	4	3	3	0	1	5	6	5
	9	458	1017·9	–	63·2	4·9	14·6	74	4·9	2	7	4	13	5	0	0	0	0	0	1	0	2	10	8	10	0	0	1	8	20	3	5	3	3	1	0	5	7	3
Wiltshire Lyneham H	15	458	1016·9	–	69·8	8·9	14·4	59	5·6	1	4	5	16	5	0	0	0	0	0	0	0	2	8	9	12	0	0	1	14	14	2	4	3	3	1	2	7	1	2
	21	458	1017·5	–	61·7	4·0	14·5	78	4·5	0	12	4	9	6	0	0	0	0	0	0	0	1	9	7	8	7	0	0	5	25	1	2	3	1	2	7	1	9	4
	9	582	1017·7	–	63·8	5·2	14·5	72	4·4	2	8	9	8	4	0	0	0	0	0	1	0	1	11	11	7	0	0	0	9	18	4	5	3	2	1	2	5	5	3
Upavon .. H	15	582	1016·9	–	69·9	8·5	14·9	60	5·2	2	4	5	17	3	0	0	0	0	0	0	0	1	3	11	7	9	0	0	13	18	0	5	3	3	2	1	5	5	4
	21	582	1017·5	–	60·6	3·5	14·5	81	3·8	0	16	4	4	7	0	0	0	0	0	0	0	1	14	7	4	5	0	0	5	22	4	4	2	3	1	2	6	2	7
	3	419	1017·9	–	55·6	1·5	13·7	91	3·6	8	8	3	5	7	0	0	0	0	0	0	2	18	7	4	0	0	0	2	17	12	2	0	2	4	1	2	3	4	3
	9	419	1018·2	–	64·5	5·3	14·9	72	4·3	2	9	7	10	3	0	0	0	0	0	0	1	2	16	6	6	0	0	0	12	19	0	5	2	2	0	1	5	3	4
Boscombe Down H	15	419	1017·5	–	71·7	9·0	15·5	60	5·2	2	5	6	15	3	0	0	0	0	0	0	0	0	2	10	10	9	0	0	0	15	15	1	4	1	1	0	5	5	1
	21	419	1018·0	–	61·5	3·6	14·9	80	4·1	4	8	6	8	5	0	0	0	0	0	0	0	0	9	16	4	2	0	0	0	7	21	3	3	1	1	1	9	1	6
7a ENGLAND, N.W.																																										
	3	27	1015·7	–	54·9	1·8	13·1	89	5·1	0	6	8	12	5	0	0	0	0	0	1	0	3	10	14	3	0	0	0	9	18	4	1	3	2	1	8	6	4	2
	9	27	1016·2	–	59·9	3·1	14·4	81	6·2	0	3	5	15	8	0	0	0	0	0	1	0	6	10	10	4	0	0	1	13	12	6	2	0	2	0	5	12	2	2
Cumberland Silloth H	15	27	1016·1	–	53·5	5·0	14·5	73	6·5	0	5	7	14	5	0	0	0	0	0	0	0	4	7	13	7	0	1	0	16	14	0	1	0	2	0	3	16	9	1
	21	27	1015·7	–	59·1	2·9	14·1	82	5·2	0	6	10	10	5	0	0	0	0	0	1	0	2	4	7	12	5	0	1	7	23	0	0	1	2	3	5	9	11	2
	3	35	1016·0	–	56·5	2·2	13·5	86	5·2	0	5	9	11	6	0	0	0	0	2	0	1	1	7	11	7	3	0	1	8	19	3	2	3	5	1	6	2	5	3
	9	35	1016·6	–	62·3	4·2	14·7	76	5·9	0	5	3	17	6	0	0	0	0	0	0	0	0	4	15	6	3	0	0	6	22	3	3	0	4	0	6	3	4	4
Lancashire Squires Gate H	15	35	1016·3	–	65·5	5·7	15·0	70	5·2	1	6	8	10	6	0	0	0	0	0	0	0	3	4	3	14	10	0	0	11	20	3	2	0	0	2	1	2	3	9
	21	35	1016·0	–	61·0	3·7	14·5	79	5·2	0	5	9	13	4	0	0	0	0	0	0	0	2	5	11	7	6	0	0	6	21	3	2	0	4	0	2	0	3	6
	3	85	1016·3	–	57·7	2·4	13·9	85	4·7	0	11	5	6	9	0	0	0	0	0	0	0	3	7	12	6	3	0	0	6	18	7	3	0	0	0	2	8	2	3
	9	85	1016·9	–	62·6	4·9	14·2	73	5·5	1	1	9	13	7	4	0	0	0	0	0	0	0	10	12	5	4	0	0	12	16	3	4	0	0	0	1	4	5	4
Speke .. H	15	85	1016·5	–	68·2	8·1	14·2	61	4·7	3	4	10	10	4	0	0	0	0	0	0	0	8	7	5	11	0	1	1	18	1	3	0	0	2	1	4	3	5	12
	21	85	1016·5	–	62·5	4·7	14·4	75	5·5	0	6	4	18	3	0	0	0	0	0	2	1	7	8	11	2	0	1	9	20	1	10	1	2	1	4	4	6	3	3

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																
7a ENGLAND, N.W.—*cont.*																								
Cheshire Manchester Airport H	3	251	1016·4	–	56·8	2·7	13·3	84	4·6	1	10	6	8	6	0	0	0	0	0	1	3	12	14	1
	9	251	1016·7	–	63·1	5·6	13·8	70	5·8	0	3	7	15	6	0	0	0	0	0	0	2	10	10	8
	15	251	1016·2	–	68·8	8·5	14·1	59	5·5	1	1	9	16	4	0	0	0	0	0	0	0	8	7	15
	21	251	1016·3	–	61·8	4·2	14·5	77	5·1	0	8	5	13	5	0	0	0	0	0	0	3	13	11	2
7b NORTH WALES																								
Anglesey Holyhead .. (Valley) H	3	29	1016·3	–	56·5	1·6	14·3	91	5·1	5	3	4	12	6	1	0	0	0	1	0	0	2	10	10
	9	29	1016·9	+2·9	61·6	3·2	15·4	82	5·5	0	6	5	14	6	0	0	0	0	0	0	1	4	6	9
	15	29	1016·7	–	64·8	5·3	15·1	72	5·1	1	6	7	11	6	0	0	0	0	0	0	0	5	5	7
	21	29	1016·3	–	59·5	2·4	14·9	85	4·6	0	9	8	9	5	0	0	0	0	0	0	0	3	6	8
8a SOUTH WALES																								
Cardigan Aberporth .. H	3	379	1017·1	–	56·7	1·7	14·1	89	5·3	0	8	5	9	9	0	0	0	0	0	0	0	5	9	8
	9	379	1017·5	–	61·4	3·4	15·2	82	5·2	0	8	4	13	6	0	0	0	0	0	1	0	5	6	9
	15	379	1017·2	–	64·8	5·2	15·3	73	4·5	1	9	5	14	2	0	0	0	0	0	0	0	4	5	7
	21	379	1017·2	–	59·1	2·8	14·5	85	5·0	0	6	9	11	5	0	0	0	0	0	0	0	3	6	11
Glamorgan Mumbles Head H	3	123	1017·4	–	58·8	2·1	14·9	90	4·3	7	6	3	4	11	0	0	0	0	0	0	1	9	18	3
	9	123	1017·9	–	62·4	3·4	15·7	82	5·4	2	3	8	8	10	0	0	0	0	0	0	4	16	10	1
	15	123	1017·7	–	65·3	5·2	15·6	74	5·3	2	3	8	11	7	0	0	0	0	0	0	1	10	14	6
	21	123	1017·4	–	62·2	3·4	15·5	81	5·3	0	7	8	3	13	0	0	0	0	0	0	3	7	16	5
	3	225	1017·7	–	56·7	1·9	13·9	89	3·9	4	8	9	5	5	0	0	0	0	0	0	1	8	11	9
	9	225	1018·0	–	63·0	4·4	14·8	76	5·0	2	7	4	13	5	0	0	0	0	0	0	2	6	13	5
Rhoose .. H	15	225	1017·8	–	67·9	7·5	14·6	63	4·8	2	6	7	12	4	0	0	0	0	0	0	1	4	8	7
	21	225	1017·9	–	61·5	3·9	14·7	80	4·4	0	12	7	8	4	0	0	0	0	0	0	3	2	9	11
8b ENGLAND, S.W.																								
Dorset Portland Bill H	3	35	1017·1	–	60·0	2·1	15·5	87	2·8	10	5	9	4	3	0	0	0	0	0	0	0	1	5	10
	9	35	1017·9	–	62·4	2·9	16·1	84	4·3	4	9	4	6	7	1	0	1	0	0	0	0	2	7	8
	15	35	1017·4	–	65·2	3·5	17·2	81	3·8	7	4	7	10	3	0	0	0	0	0	0	0	2	7	13
	21	35	1017·5	–	61·9	2·0	16·7	88	3·8	2	12	7	5	5	0	0	0	0	0	0	0	2	8	12
Devon Hartland Pt. H	3	305	1016·9	–	58·7	2·1	14·8	87	4·7	0	10	6	11	4	0	0	0	0	0	0	0	5	13	9
	9	305	1017·7	–	62·2	3·1	15·8	83	4·9	0	7	8	13	2	1	0	1	0	0	0	0	1	6	11
	15	305	1017·6	–	64·4	4·6	15·5	76	4·9	1	5	8	14	2	1	0	1	0	0	0	0	1	4	12
	21	305	1017·5	–	61·2	3·2	15·2	82	4·4	0	9	12	7	3	0	0	0	0	0	0	1	3	10	9
	3	100	1018·2	–	56·7	1·7	14·0	89	3·1	6	13	4	4	4	0	0	0	0	0	0	0	3	10	11
	9	100	1018·6	+2·5	54·7	5·4	14·9	73	3·9	4	9	6	8	4	0	0	0	0	0	0	0	1	4	12
Plymouth (Mount Batten) H	15	100	1018·3	–	58·0	6·8	15·4	68	4·6	3	6	6	13	3	0	0	0	0	0	0	0	4	8	11
	21	100	1018·5	–	62·2	4·0	14·8	78	3·3	3	12	9	2	5	0	0	0	0	0	0	0	4	13	10
	3	23	1017·8	–	56·9	1·3	14·6	91	4·0	3	8	10	4	6	0	0	0	0	0	0	1	1	6	5
	9	23	1018·4	–	65·3	4·5	16·2	77	5·1	2	4	8	13	4	0	0	0	0	0	0	0	1	7	4
Chivenor .. H	15	23	1018·2	–	70·1	7·7	16·0	65	4·7	3	4	9	9	6	0	0	0	0	0	0	0	0	5	4
	21	23	1018·1	–	61·8	2·8	15·7	84	4·7	0	8	8	11	4	0	0	0	0	0	0	0	2	3	16
	3	125	1018·0	–	55·5	1·7	13·5	90	3·4	5	11	4	7	4	0	0	0	0	0	0	0	1	8	7
	9	125	1018·5	–	64·7	5·3	15·0	72	4·3	3	6	10	9	3	0	0	0	0	0	0	0	0	5	9
Exeter .. H	15	125	1017·9	–	70·3	8·6	14·9	60	5·1	2	6	4	16	3	0	0	0	0	0	0	0	0	3	3
	21	125	1018·3	–	61·8	4·0	14·6	77	3·9	0	14	5	9	3	0	0	0	0	0	0	0	0	2	10
	3	199	1018·7	–	59·5	2·1	15·1	87	4·3	7	4	6	6	8	0	0	0	0	0	0	0	0	7	5
	9	199	1019·1	+2·8	63·0	3·7	15·5	79	4·6	4	5	6	10	5	1	0	0	0	0	1	0	0	6	6
Cornwall St.Mary's, Scilly H	15	199	1018·9	–	65·8	5·3	15·7	73	4·2	7	3	9	8	4	0	0	0	0	0	0	1	4	4	14
	21	199	1018·5	–	60·5	2·2	15·6	86	4·6	5	5	5	8	7	1	0	0	0	0	1	1	0	5	6
	3	350	1018·2	–	57·3	1·5	14·6	91	4·1	4	8	8	4	6	1	0	0	0	1	2	0	0	7	5
	9	350	1018·7	–	63·7	4·6	15·2	75	4·8	3	5	8	10	5	0	0	0	0	1	1	1	4	7	11
St. Mawgan H	15	350	1018·5	–	66·7	6·6	15·0	68	4·7	2	8	5	9	7	0	0	0	0	0	0	0	4	11	4
	21	350	1018·8	–	60·1	2·6	15·1	85	3·9	1	11	9	5	5	0	0	0	0	0	1	1	6	5	9
NORTHERN IRELAND																								
Londonderry Ballykelly H	3	13	1014·4	–	54·8	1·4	13·5	91	6·5	0	2	3	19	7	0	0	0	0	0	0	0	0	6	11
	9	13	1014·7	–	60·0	3·3	14·4	81	6·6	0	1	5	16	9	0	0	0	0	0	0	0	1	2	4
	15	13	1014·1	–	63·8	5·1	14·7	72	6·6	0	2	2	20	7	0	0	0	0	0	0	0	0	3	5
	21	13	1014·4	–	58·6	2·7	14·1	83	6·2	0	3	3	21	4	0	0	0	0	0	0	0	0	1	10
	3	220	1015·2	–	54·7	1·2	13·6	91	6·4	0	2	5	13	11	0	0	0	0	0	0	0	0	5	12
	9	220	1015·5	+2·3	59·5	2·9	14·5	82	6·9	1	0	2	19	9	0	0	0	0	0	0	0	1	3	13
Antrim Aldergrove H	15	220	1014·8	–	64·5	6·0	14·3	69	6·4	0	1	4	19	7	0	0	0	0	0	0	0	0	4	3
	21	220	1015·0	–	58·9	2·8	14·0	84	6·0	0	2	8	15	6	0	0	0	0	0	0	0	0	0	9
	3	356	1015·3	–	54·4	1·3	13·4	92	6·3	0	2	6	14	9	0	0	0	0	0	0	0	0	4	9
Nutts Corner H	9	356	1015·5	–	59·3	2·8	14·5	83	7·1	1	0	0	18	12	0	0	0	0	0	0	1	0	4	4
	15	356	1014·8	–	64·3	5·8	14·4	71	6·7	0	1	1	23	6	0	0	0	0	0	0	0	0	2	2
	21	356	1015·1	–	58·7	2·5	14·4	85	6·1	0	1	9	18	3	0	0	0	0	0	0	0	0	3	6

DISTRICT, COUNTY AND PLACE	Hour of Observation	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.																		
Cheshire Manchester Airport H	3	0	0	6	18	7	0	0	0	0	0	2	0	0	1	12	4	0	5
	9	0	0	9	20	2	0	0	0	0	0	1	3	0	1	11	4	5	4
	15	0	3	0	22	1	0	0	0	0	0	0	3	0	1	5	3	12	6
	21	0	0	7	23	1	0	0	0	0	0	2	1	0	1	6	4	3	13
Anglesey Holyhead .. (Valley) H	3	0	0	14	12	5	0	0	0	0	0	3	2	1	2	7	7	2	2
	9	0	3	14	13	1	0	0	0	0	0	4	1	2	0	10	9	2	2
	15	0	4	15	12	0	0	0	0	0	0	3	1	1	0	4	11	3	5
	21	0	2	10	16	3	0	0	0	0	0	2	3	2	1	5	11	2	2
Cardigan Aberporth .. H	3	0	1	7	20	3	0	0	0	0	0	4	0	0	0	14	4	4	2
	9	0	2	11	18	0	0	0	0	0	0	7	0	2	0	7	3	10	2
	15	0	4	17	10	0	0	0	0	0	0	5	2	1	0	5	5	9	4
	21	0	1	10	17	3	0	0	0	0	0	5	0	1	1	4	8	7	2
Glamorgan Mumbles Head H	3	0	2	11	16	2	0	0	0	0	0	10	2	2	0	2	3	7	3
	9	0	4	10	13	4	0	0	0	0	0	4	1	3	4	5	4	6	0
	15	0	4	19	7	1	0	0	0	0	0	2	1	1	1	2	17	6	0
	21	0	5	10	15	1	0	0	0	0	0	4	0	1	1	2	7	9	6
	3	0	1	5	21	4	0	0	0	0	0	4	4	4	1	1	1	6	6
	9	0	3	11	16	1	0	0	0	0	0	4	2	5	3	2	4	8	2
Rhoose .. H	15	0	2	18	11	0	0	0	0	0	0	1	1	2	3	3	1	20	0
	21	0	1	7	22	1	0	0	0	0	0	2	3	0	2	2	3	16	2
Dorset Portland Bill H	3	0	1	11	16	3	0	0	0	0	0	7	4	3	0	2	3	7	2
	9	0	0	12	19	0	0	0	0	0	0	7	1	9	1	0	4	9	0
	15	0	4	5	21	1	0	0	0	0	0	0	1	5	2	1	9	11	1
	21	0	6	7	16	2	0	0	0	0	0	4	1	3	0	2	5	11	3
Devon Hartland Pt. H	3	0	2	7	20	2	0	0	0	0	0	3	3	1	0	6	4	7	5
	9	0	1	8	21	1	0	0	0	0	0	3	6	1	0	0	4	10	4
	15	0	4	9	18	0	0	0	0	0	0	4	3	0	1	1	2	14	6
	21	0	5	6	19	1	0	0	0	0	0	7	0	1	1	0	5	12	4
	3	0	0	6	18	7	0	0	0	0	0	5	4	1	0	3	3	5	3
	9	0	0	12	18	1	0	0	0	0	0	3	3	3	1	6	4	4	6
	15	0	0	24	7	0	0	0	0	0	0	4	0	3	1	11	8	3	1
	21	0	0	11	18	2	0	0	0	0	0	5	1	2	0	1	5	7	8
	3	0	0	6	23	2	0	0	0	0	0	1	1	12	1	4	4	1	5
	9	0	1	12	15	3	0	0	0	0	0	1	2	4	3	4	2	10	2
	15	0	2	20	9	0	0	0	0	0	0	2	3	1	2	1	3	15	4
	21	0	0	7	22	2	0	0	0	0	0	4	0	2	2	3	5	6	7
	3	0	0	2	18	11	0	0	0	0	0	1	6	0	1	4	2	3	3
	9	0	0	12	18	1	0	0	0	0	0	5	1	0	4	7	2	7	4
	15	0	2	14	14	1	0	0	0	0	0	2	0	1	3	8	3	4	9
	21	0	0	7	18	6	0	0	0	0	0	4	1	1	1	3	0	7	8
	3	0	2	11	13	5	0	0	0	0	0	5	3	3	1	0	4	5	5
	9	0	0	15	12	4	0	0	0	0	0	6	2	2	2	0	4	8	3
	15	0	2	17	11	1	0	0	0	0	0	6	3	1	2	2	4	8	4
	21	0	1	14	14	2	0	0	0	0	0	4	4	1	1	1	4	8	6
	3	0	0	6	22	3	0	0	0	0	0	3	2	3	3	4	3	3	7
	9	0	0	17	13	1	0	0	0	0	0	6	0	2	3	4	3	7	5
	15	0	1	26	4	0	0	0	0	0	0	4	0	0	5	1	5	10	6
	21	0	0	13	18	0	0	0	0	0	0	6	0	2	3	2	4	9	5
	3	0	0	3	17	11	0	0	0	0	0	1	0	1	2	3	7	4	2
	9	0	0	6	22	3	0	0	0	0	0	3	0	0	1	3	8	10	3
	15	0	0	7	22	2	0	0	0	0	0	4	2	0	0	6	5	6	6
	21	0	0	6	18	7	0	0	0	0	0	4	1	0	3	3	2	8	3
	3	0	0	7	20	4	0	0	0	0	0	1	1	1	1	3	9	5	5
	9	0	0	9	19	3	0	0	0	0	0	3	0	0	0	7	11	3	4
	15	0	0	13	17	1	0	0	0	0	0	5	0	0	0	5	10	7	3
	21	0	1	6	22	2	0	0	0	0	0	7	0	1	0	4	3	5	1
	3	0	0	7	16	8	0	0	0	0	0	1	1	0	2	8	3	6	2
	9	0	0	8	16	7	0	0	0	0	0	0	1	0	4	9	6	3	1
	15	0	0	12	19	0	0	0	0	0	0	1	0	0	0	6	7	11	6
	21	0	0	9	18	4	0	0	0	0	0	4	0	2	4	3	5	6	3

H *See* Notes on Tables in the Introduction.

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, JULY 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	656	19	82	18	403·3	31	405	22	81	18	283·0	30	765	19	110	18	485·2	31
Eskdalemuir	765	14	100	16	415·0	31	393	10	95	16	250·0	31	724	14	112	16	408·0	31
Cambridge	817	6	307	30	572·3	31	360	17	175	6	267·5	31	-	-	-	-	-	-
Kingsway	875	4	315	29	613·6	31	376	18	153	6	276·2	31	912	4,5	382	30	652·8	31
Kew	755	19	247	30	507·0	31	329	16	95	19	224·0	30	873	4	281	29	584·0	31
Aberporth	865	19	131	16	585·6	31	441	12	109	4	281·4	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN JULY 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	0	20	11	0	0	0	0	0	0	0	0	15	16	0
Stornoway	0	0	0	11	20	0	0	0	0	0	0	0	0	10	21	0
Craibstone	0	0	0	3	17	11	0	0	0	0	0	0	0	16	15	0
Rothesay	0	0	0	3	23	5	0	0	0	0	0	0	0	5	25	1
Renfrew	0	0	0	0	23	7	1	0	0	0	0	0	0	10	19	2
Eskdalemuir	0	0	0	2	24	5	0	0	0	0	0	0	5	17	9	0
Douglas	0	0	0	1	27	3	0	0	0	0	0	0	0	5	26	0
Cockle Park	0	0	0	0	16	15	0	0	0	0	0	0	4	13	14	0
Gorleston	0	0	0	0	15	16	0	0	0	0	0	0	0	3	17	11
Cambridge	0	0	0	0	4	15	10	2	0	0	0	0	0	5	25	1

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	0	0	9	16	6	0	0	0	0	0	0	2	24	5
Kew Observatory	0	0	0	0	6	14	9	2	0	0	0	0	0	1	24	6
Hastings	0	0	0	0	9	18	4	0	0	0	0	0	0	0	22	9
Southampton	0	0	0	0	2	18	10	1	0	0	0	0	0	2	24	5
Stonyhurst	0	0	0	1	16	12	2	0	0	0	0	0	0	5	22	4
Bidston Observatory	0	0	0	0	21	8	2	0	0	0	0	0	0	1	24	6
Holyhead (Valley)	0	0	0	0	25	5	1	0	0	0	0	0	0	5	24	2
Falmouth	0	0	0	0	15	16	0	0	0	0	0	0	0	2	26	3
Aldergrove	0	0	0	2	21	8	0	0	0	0	0	0	0	8	21	2
Armagh	0	0	0	0	18	12	1	0	0	0	0	0	0	7	23	1

TABLE IV—ADDITIONS AND CORRECTIONS

MONTH	STATION	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 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.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over	Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1959		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																
February	Lerwick	3	272																					6															
March	Marham	9	89				1·2																																
	Shoeburyness	21	12				1·5																																
	Huddersfield (Oakes)	21	769							5·4				2	15																								
	Squires Gate	3	35							5·2			3	2																									
	Hartland Point	3	305							4·7		10		8																									
	St. Mary's, Scilly	15	199							3·1																													
	"	21	199							4·7																													
	St. Mawgan	15	350											17	4																								

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

3 8078 0006 6330 4

Volume 76 Number 8 Published by HER MAJESTY'S STATIONERY OFFICE

August 1959—*Warm, sunny and very dry apart from outbreaks of thundery rain*

Anticyclones dominated the weather over the British Isles for most of the month, except during the second week when weather was weakly cyclonic at first and then more markedly so on the 13th and 14th when an exceptionally deep depression for the time of year moved northward off the coast of Ireland.

North-westerly winds brought rather cool showery weather to most districts during the first three days of the month with periods of more continuous light rain in some places. On the 3rd a high cell developed at 500 mb. level over mid-Atlantic. The next day a ridge of high pressure spread over the British Isles and weather became fine and sunny in the Midlands and south although weak troughs gave some rain and drizzle in the north. The ridge was transferred northward during the next few days and by the 8th the fine warm weather had spread to most districts and temperatures in southern England had exceeded 80°F. at a number of places.

The ridge of high pressure covered northern districts on the 9th but meanwhile an upper trough had developed west of the British Isles and small thundery depressions moved northwards from France. Thunderstorms developed in Wales and southern England and were exceptionally severe on the 10th in south-west England where rainfall exceeded 4 in. at a number of places and some " very rare " falls were recorded. Thundery outbreaks continued on the 11th, but on the 12th there was fairly widespread rain in southern England associated with a small depression in the English Channel.

Another upper trough moving eastward over the Atlantic intensified considerably on the 13th as a rapidly deepening depression moved northward near the west coast of Ireland. The depth attained by this depression was almost a record for this region and season and the southward penetration of cold air was considerably more than usual. Winds reached gale force in many western districts. The rain associated with the depression cleared the British Isles on the 14th and was followed by brighter but cooler and showery weather. On the next day the showers were mostly confined to western districts and temperatures were mainly about or a little above average.

In the second half of the month the weather was dominated by anticyclones, two moving over or near our southern districts at first and one further north towards the end of the month. In most places the weather was predominantly fine and warm and on 21st temperatures rose to 88°F. locally in England and to 83°F. in many places in Scotland. Parts of Scotland, chiefly the west and north, had rain or drizzle at times. In parts of England and Wales there was a brief break in the weather on 20th/21st when thunderstorms developed in association with a shallow depression. On 21st in southern England and the Midlands these thunderstorms were widespread and locally heavy.

The anticyclone moving eastwards into Scotland at the end of the month gave fine weather in most places, but it became cooler and there were scattered showers.

Pressure and Wind. Mean pressure was everywhere above the 1921–50 average, the excess at 9 h. ranging from 5·9 mb. at Dyce to 3·8 mb. at Plymouth. Winds were predominantly north-westerly during the first five days becoming mainly light and variable until the 12th, subsequently veering from south or south-east on the 13th to south-west by the 15th, after which southerly winds predominated until the 19th. Winds were generally light and variable from 20th to 22nd becoming south-westerly until the 25th and mainly north-west to north from then until the end of the month. Gales were reported from Scotland on the 13th–17th, 24th, 25th and 27th (8 days) and on the 13th, 14th and 24th in England and Wales where they were widespread in the south-west on the 14th. Gusts of 55 kt. and 58 kt. were recorded on the 14th at Aldergrove and Tiree respectively.

Temperature. Mean temperature has been above the average every month so far this year except January, the excess during August being 2·7°F. in England and Wales, 2·6°F. in Scotland and 2·4°F. in Northern Ireland. In north-east England mean maximum temperature was more than 4°F. above average. In England and Wales there have been only four warmer Augusts this century, those of 1955, 1947, 1933 and 1911. Ground frost occurred at several places, chiefly towards the end of the month and slight air frost was recorded locally in northern England on the 29th.

Extremes included: (England and Wales) 88°F. at Bromley, Finningley and York on the 20th, 27°F. at Alwen on the 29th; (Scotland) 83°F. at a number of places on the 20th and 21st, 32°F. at Hawick on the 31st; (Northern Ireland) 76°F. at Garvagh on the 25th and at Armagh on the 20th and 27th, 37°F. at Garvagh on the 13th, at Aldergrove on the 29th and at Loughgall on the 13th and 29th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 46 in England and Wales, 52 in Scotland and 33 in Northern Ireland. Less than 10 per cent. of the average occurred in the Isle of Man, the Fylde district and in the lower valleys of the Ouse, Tees and Tyne. Areas with more than the average in England and Wales were confined to localities where severe thunderstorms were experienced, notably south-west England, where more than 4 in. of rain fell at a number of places on the 10th, and to Norfolk. At Newquay, on the 10th, 2½ in. fell in 75 min. (a very rare fall) while that afternoon St. Mawgan had a fall of nearly 1¾ in. in two hours and a similar amount in two hours the same evening. Among the remarkable falls recorded during thunderstorms was one of 1·53 in. in 60 min. at Rhoose Airport on the 10th and one of 1·25 in. in 23 min. at Kenley on the 22nd.

Among the greatest falls in 24 hr., apart from the 10th, were:—

9th	2·09 in. at Hayling Island, Hampshire.
11th	2·50 in. at Cromer, Norfolk.
21st	2·38 in. at Victoria Park, London.
23rd	2·00 in. at Loch Duich (Ratagan), Ross and Cromarty.

The number of thunderstorms was below the average. They were widespread in Scotland on the 20th and 22nd and in England and Wales on the 9th–11th and 21st–22nd, being very severe locally in south-west England on the 10th; otherwise they were mainly isolated.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 122 in England and Wales, 102 in Scotland and 112 in Northern Ireland. In many areas it was the sunniest August since 1947. Sandown, Isle of Wight, had as much as 173 per cent. of the average for the month. In Scotland sunshine was above the average everywhere south of a line from Helensburgh to Aberdeen, but the month was mainly dull in the Western Isles and the north-west.

Fog. Early morning fog occurred at one place or another on 14 days in Scotland and on the 4th, 8th–13th and 21st–25th in England and Wales.

Miscellaneous Phenomena. The aurora was seen on 16 nights in Scotland.

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

MWR dup

TABLE I—DISTRICT VALUES— AUGUST 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	80	38	+1·9	+1·9	+2·0	—	—	76	-1	84
Eastern										
1 SCOTLAND, E.	83	32	+4·0	+2·8	+3·4	—	—	21	-10	107
2 ENGLAND, N.E.	88	31	+4·3	+1·6	+3·0	+1·9	+0·4	21	-11	123
3 ENGLAND, E.	86	34	+3·0	+2·3	+2·6	+2·3	+1·9	68	-3	120
4 MIDLAND COUNTIES	88	36	+3·6	+1·9	+2·7	+2·5	+2·2	52	-8	128
5 ENGLAND, S.E.	88	37	+3·9	+2·4	+3·1	+2·3	+2·0	46	-4	121
Western										
6 SCOTLAND, W.	83	33	+2·7	+2·0	+2·4	+2·0	+1·4	22	-9	115
7 ENGLAND, N.W. (*and N. Wales*)	87	27	+3·3	+2·2	+2·7	+1·5	+1·7	31	-10	123
8 ENGLAND, S.W. (*and S. Wales*)	84	39	+2·5	+1·3	+1·9	+2·7	+2·3	78	-7	115
NORTHERN IRELAND	76	37	+2·5	+2·3	+2·4	—	—	—	-11	112

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— AUGUST 1959 [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	11	70	368	252	54	0	12·5	260	30	26 02	41	26	0045
Orkney	Grimsetter	135	51	33	–	0	6	60	350	287	47	0	11·7	180	28	15 11	47	15	1030
Caithness	Dounreay ...	112	41	33	≠														
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	15	5	9	71	216	173	279	0	9·4	190	35	15 15	52	15	1435
Inverness	Benbecula	69	51	35	–	0	9	83	295	246	120	0	11·6	200	33	15 12	54	15	1135
1 Aberdeen	Dyce	225	40	40	–	0	3	7	136	232	369	0	5·6	170	24	14 23	39	14	2055
Angus	Bell Rock Lighthouse	128	131	124	24	1	9	79	197	267	200	0	9·6	190	34	24 14	46	14	1905
Perth	Rannoch	1006	56	57	–	0	6	42	276	311	115	0	10·1	230	33	15 12	49	15	1250
Fife	Leuchars	79	41	41	–	0	6	15	216	262	251	0	7·8	190	28	14 17	44	14	1615
Midlothian	Edinburgh	485	39	23	–	0	5	11	263	288	182	0	8·5	240	24	24 24	43	15	1450
6a Argyll	Tiree	89	60	47	14,15,27	23	12	109	283	183	146	0	13,1	140	40	14 12	58	14	1340
Bute	Millport	50	34	34	13	3	6	52	221	269	199	0	9·4	070	35	13 19	46	13	1825
Renfrew	Paisley	188	81	31	–	0	1	1	136	387	220	0	6·7	150	23	14 11	50	14	1110
	Renfrew	71	41	39	–	0	5	34	250	304	156	0	9·2	190	29	14 17	(48)	(14	1810)
Ayr	Prestwick Airport	35	33	33	–	0	3	14	236	382	112	0	9·1	180	30	14 16	52	14	1540
Dumfries	Eskdalemuir ..	825	50	35	–	0	3	20	121	242	361	0	5·6	200	33	14 15	54	14	1455
ENGLAND and WALES																			
6b Isle of Man	Point of Ayre ..	70	40	35	–	0	5	32	261	339	112	0	9·7	200	30	14 16	47	14	1555
2 Durham	Durham	389	53	33	–	0	1	1	63	295	385	0	4·3	270	22	24 16	45	24	1510
	South Shields ..	73	57	44	–	0	1	1	174	356	213	0	7·1	350	22	28 04	39	24	1445
Yorks.,E.R.	Spurn Head ..	64	44	34	≠ –	–	–	–	–	–	–	–	–	–	–	– –	–	–	–
Lincoln	Cranwell	288	47	47	–	0	0	0	117	331	296	0	5·5	200	21	14 16	36	14	1535
3 Norfolk	Gorleston	52	42	34	ø														
Suffolk	Mildenhall	98	83	60	–	0	0	0	59	416	269	0	5·1	210	19	14 12	32	14	1200
	Felixstowe	85	75	65	–	0	1	1	156	468	119	0	7·7	200	22	14 15	34	14	1350
Bedford	Dunstable	567	55	33	–	0	0	0	39	514	172	19	5·7	200	15	14 11	22	28	1140
	Cardington	285	150	135	–	0	1	2	83	370	289	0	5·6	200	23	14 12	35	14	1110
Herts.	Stevenage	564	111	65	–	0	0	0	100	460	184	0	6·4	020	17	28 13	29	14	1245
Essex	Coryton	66	57	48	–	0	0	0	85	563	82	14	7·2	220	17	14 17	35	14	0520
	Shoeburyness ..	115	104	89	–	0	2	2	214	461	67	0	8·6	210	22	14 14	33	14	1400
4 Yorks.,W.R.	Sheffield	533	83	35	–	0	0	0	30	473	241	0	5·6	220	16	14 15	35	14	1530
Leicester	Leicester	266	66	45	*														
Warwick	Birmingham ..	643	118	73	–	0	0	0	104	603	37	0	7·5	210	18	14 15	30	14	1430
Stafford	Keele	706	50	40	–	0	0	0	16	381	347	0	4·1	200	16	14 15	39	14	1435
Gloucester	Avonmouth ..	92	61	33	–	0	2	6	123	232	383	0	5·1	270	24	14 18	33	14	1330
5 London	Kingsway	231	160	40	–	0	0	0	31	499	214	0	5·4	280	14	14 16	31	21	1450
Middlesex	Hampton	139	101	100	–	0	0	0	42	473	229	0	5·4	230	17	14 15	27	14	1455
Surrey	Kew Observatory ..	92	75	50	–	0	0	0	89	519	136	0	6·3	210	18	14 16	33	14	1500
Kent	Isle of Grain ..	48	40	33	–	0	0	0	35	196	508	5	2·9	220	18	14 17	30	14	1345
	Dungeness ..	70	50	33	≠														
	Dover	68	38	62	–	0	1	1	169	339	189	46	7·0	–	22	14 03	35	21	1730
Sussex	Thorney Island ..	75	65	42	–	0	0	0	30	327	387	0	4·1	170	18	13 24	30	14	1650
Hants.	Southampton (Eastleigh)	95	60	41	–	0	0	0	76	453	215	0	6·0	220	18	14 13	31	14	0955
	S. Farnborough ..	318	69	35	–	0	0	0	20	315	409	0	3·7	240	14	14 14	29	14	1410
Berks.	Abingdon	295	40	40	–	0	0	0	35	290	419	0	3·6	220	20	14 10	34	14	0905
Wiltshire	Larkhill	491	51	36	–	0	0	0	94	439	211	0	5·9	030	18	28 17	35	14	1135
	Porton	406	44	44	–	0	0	0	57	393	294	0	5·1	220	19	14 15	30	14	1135
7a Cumberland	Sellafield	83	39	35	–	0	2	23	145	368	185	23	7·3	180	30	14 14	50	14	1750
Westmorland	Moor House ..	1960	50	45	–	0	8	52	309	271	85	27	11·2	210	31	14 15	48	14	1230
Lancashire	Southport	59	41	33	–	0	3	5	238	296	203	2	8·3	240	26	14 16	43	14	1535
	Speke	180	100	65	–	0	2	15	205	371	153	0	8·2	230	30	14 17	45	14	1230
Cheshire	Bidston Observatory	262	64	39	–	0	0	0	93	383	263	5	–	270	21	25 12	43	14	1555
	Manchester Airport	318	70	30	–	0	1	7	203	454	80	0	8·3	210	25	14 13	43	14	0315
7b Anglesey	Holyhead (Valley)..	76	50	40	14	9	4	48	172	390	125	0	9·1	200	38	14 12	53	14	1215
8a Cardigan	Aberporth	483	41	41	–	0	2	10	208	457	69	0	8·7	210	28	14 12	49	14	1125
Pembroke	Kete	249	49	37	≠														
	Milford Haven ..	246	50	35	–	0	1	11	95	389	249	0	6·0	260	25	14 12	44	14	0935
Glamorgan	Port Talbot ..	91	40	35	–	0	1	1	158	423	162	0	7·1	340	22	14 17	35	14	1740
8b Devon	Plymouth	191	88	65	–	0	1	3	99	441	201	0	6·2	–	26	13 18	35	13	1715
Cornwall	St. Mary's, Scilly ...	230	65	57	–	0	2	21	201	448	74	0	8·9	230	27	14 04	44	14	0105
	The Lizard	315	75	60	–	0	2	15	171	372	186	0	7·4	180	27	13 18	42	14	0200
NORTHERN IRELAND																			
Londonderry	Ballykelly ..	52	50	35	–	0	4	19	209	297	219	0	7·8	160	28	14 09	50	14	0735
Antrim	Aldergrove ..	281	65	55	14	4	4	29	198	361	152	0	8·7	160	36	14 10	55	14	0950
	Nutts Corner ..	344	31	31	/														
CHANNEL ISLES																			
	Jersey Airport ..	359	86	50	–	0	1	2	332	383	27	0	10·4	250	23	14 03	32	14	0020

ø A nemograph dismantled for re-erection
* A nemograph out of order
/ Incomplete record
≠ Defective Record

MONTHLY WEATHER CHARTS AUGUST 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50

1011 1012 1013 1014 1015 1016 1017 1018 1019 1020

2. MOVEMENTS OF DEPRESSIONS

04/02 09/95 09/88 05/01 10/84 16/94 02/95 25/07 17/03 23/84 24/95 21/00 07/07 22/83 20/04 15/79 17/03 25/07 24/05 08/14 19/98 08/11 14/66 12/05 11/06 09/14 13/84 21/08 10/10 20/11 08/11

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

3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.

65 63 61 59

Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY

8·0 7·0 6·0 5·0

A.M. Form 1483

C.B.H. 26456-Wt.44536-Dd.8K.2328-125-9/55

RAINFALL
AUGUST 1959

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

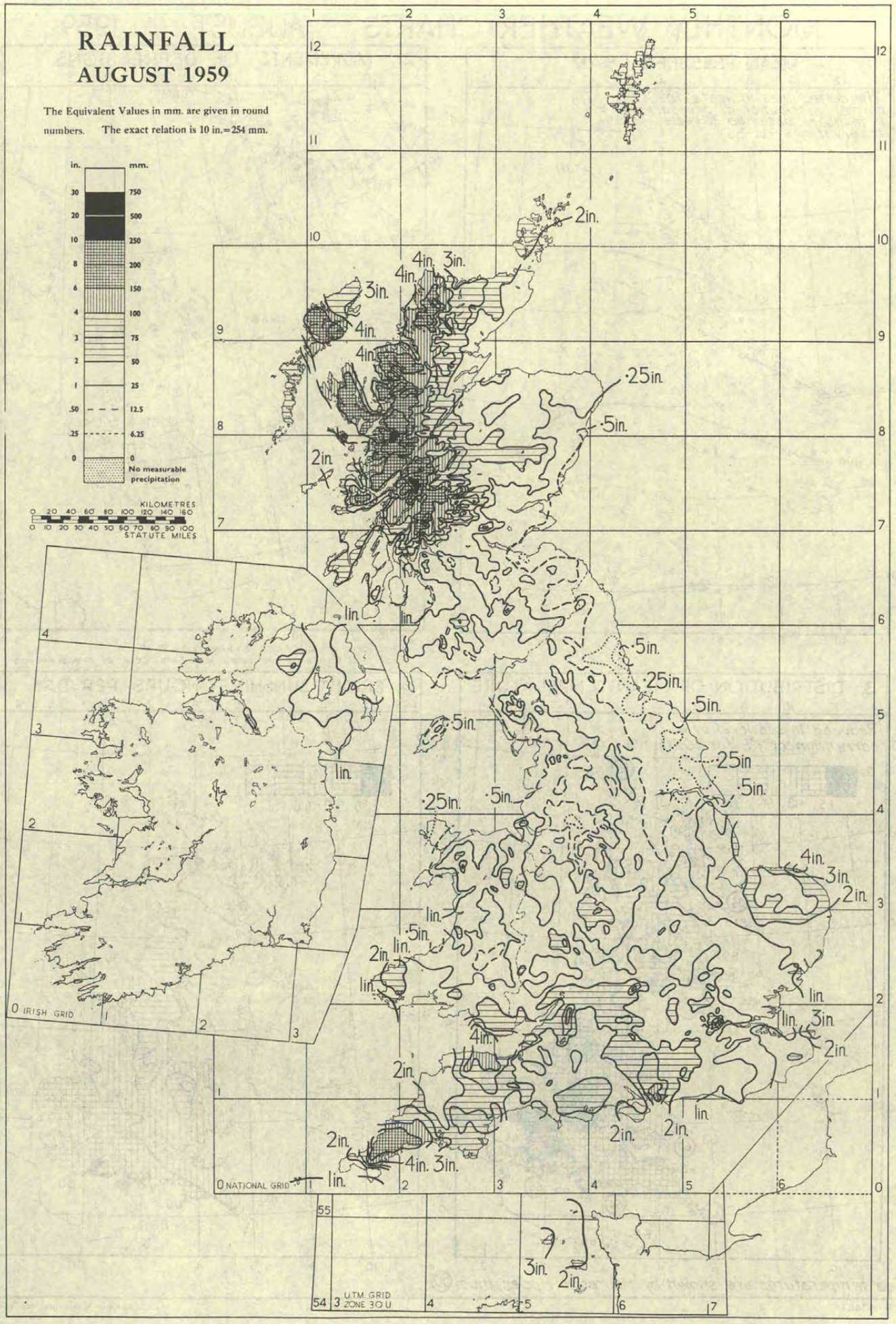

TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER — AUGUST 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max.	Min.	Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0 SCOTLAND, N.																														
Zetland	Lerwick Obs'y. ¶§	21-9	9	269	58·1	50·4	54·3	+0·8	65	18	41	28	–	–	2·06	75	·60	17	18	12	0	0	0	0	4	0	0	0	3·28	85
	Baltasound ...	9	9	78	59·7	50·2	54·9	–	66	19,21	41	30	53·6	–	2·48	86	·68	17	17	12	0	0	0	0	2	0	–	0	4·07	–
Orkney	Sule Skerry ...	9	9	43	59·3	52·8	56·1	–	69	11	47	28	–	–	2·37	–	·47	24	22	16	0	0	0	0	0	0	0	0	–	–
	Grimsetter ...	21-9	9	84	61·3	51·5	56·4	–	71	18	44	13	–	–	1·71	60	·38	24	19	13	0	0	0	1	1	0	0	0	3·75	–
Caithness	Wick ... ¶§	21-9	9	119	62·5	51·6	57·1	+2·6	71	18	40	13	–	–	1·98	75	·61	27	22	14	0	0	0	1	0	0	0	0	3·92	84
Sutherland	Cape Wrath ...	21-9	9	367	59·5	53·0	56·3	–	76	20	47	27	–	–	4·54	113	1·15	24	22	17	0	0	0	0	7	0	0	0	–	–
	Lairg (Achany) ...	9	9	240	–	–	–	–	–	–	–	–	–	–	2·79	–	·48	27	21	12	–	–	–	–	–	–	–	–	–	–
	Crask	9	9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9	9	120	63·9	51·0	57·5	–	77	20	38	13	–	–	3·24	–	·82	21	19	15	0	0	0	0	2	0	0	0	3·53	–
Ross & Cromarty	Stornoway ¶§	21-9	9	11	61·6	52·1	56·9	+1·3	70	20	40	13	–	–	2·86	85	·39	27	21	16	0	0	0	0	0	0	0	1	3·36	79
	Achnashellach ...	9	9	220	64·4	52·0	58·2	+2·1	76	20	46	29	–	–	7·09	108	1·27	24	26	19	–	0	–	–	0	0	–	–	–	–
	Kinlochewe ...	9	9	76	66·3	53·2	59·7	–	78	20,21	47	28	–	–	5·13	–	1·11	24	20	15	0	0	0	0	2	0	0	0	2·40	– S
	Garve (Inchbae)	9	9	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Fortrose ... ¶§	9	9	15	64·5	55·3	59·9	+2·8	70	19,20	49	28,29	–	–	1·23	48	·40	27	12	7	0	0	0	1	0	0	–	4	3·64	81
	Tarbatness ...	21-9	9	60	61·2	53·9	57·5	–	72	19	48	7,28	–	–	1·13	–	·33	27	8	6	0	0	0	1	0	0	–	0	–	–
Inverness	Benbecula ...	21-9	9	19	61·0	53·3	57·1	–	69	18	44	13	–	–	2·79	73	·39	16	20	16	0	0	0	0	0	0	1	1	3·86	–
	Isle of Rhum ...	9	9	15	63·6	53·5	58·5	–	74	10	46	13	61·5	–	6·87	–	1·41	23	21	18	0	0	0	2	0	0	0	4	–	–
	Duntulm ...	9	9	294	60·8	52·6	56·7	–	(70)	19	47	16,29	–	–	4·21	95	·71	27	22	21	0	0	0	0	1	0	0	3	3·12	–
	Onich ... §	9	9	48	64·3	52·7	58·5	–	72	10,19	40	29	–	–	6·34	96	1·28	15	20	19	0	0	0	1	1	0	0	2	3·20	89 S
	Fort William ¶	9	9	34	65·9	53·4	59·7	+2·3	75	10,20	43	29	58·5	55·6	5·74	96	1·46	23	20	18	0	0	0	3	0	0	0	1	3·26	–
	Fort Augustus ...	9	9	70	66·7	53·7	60·2	+3·1	76	20,21	46	29	–	–	2·54	–	·50	23	14	11	0	0	0	2	1	0	0	0	3·11	–
	Cannich	9	9	350	66·9	48·9	57·9	–	77	20	41	7	–	–	2·56	–	·64	27	14	12	0	0	0	2	0	0	0	0	–	–
	Dalwhinnie ...	18-9	9	1176	63·7	49·8	56·7	–	75	21	40	4,29	–	–	3·57	97	1·03	13	17	11	0	0	0	2	0	0	0	1	3·50	–
	Inverness ...	9	9	13	68·2	54·6	61·4	–	77	10	47	28	–	–	1·17	–	·40	21	9	5	0	0	0	1	0	0	0	1	3·88	–
	Kincraig	9	9	780	66·9	50·3	58·6	–	80	21	39	7	–	–	1·11	–	·24	23	13	7	–	0	–	–	0	0	1	–	–	–
	Glenmore Lodge	9	9	1120	65·1	49·2	57·1	–	78	21	40	7,8,16	–	–	1·24	–	·41	13	13	7	0	0	0	0	0	0	1	0	3·93	– S
1 SCOTLAND, E.																														
Nairn	Nairn ... ¶§	9	9	20	67·5	53·8	60·7	+3·8	76	19	48	7, 9	–	–	·82	30	·33	26	6	5	0	0	0	0	0	0	0	0	4·14	93
Moray	Grantown-on-Spey	9	9	720	68·1	49·2	58·7	–	82	21	42	13,14	–	–	·86	–	·37	27	11	6	–	0	–	–	0	0	0	–	–	–
	Forres	9	9	155	68·4	53·7	61·1	–	80	20	47	7,13	61·1	56·7	·99	37	·30	6	10	5	0	0	0	1	0	0	0	0	4·24	–
	Kinloss ...	21-9	9	15	67·7	54·0	60·9	–	79	20	46	13	–	–	·90	–	·30	27	11	7	0	0	0	2	0	0	0	0	4·71	–
	Findhorn ...	21	21	9	67·0	55·1	61·1	–	79	20	49	13	–	–	·98	–	·29	27	11	6	0	0	–	2	–	0	0	0	–	–
	Elgin	9	9	92	68·3	54·2	61·3	–	79	20	45	13	–	–	1·24	–	·42	27	14	7	0	0	0	1	0	0	0	0	4·32	–
	Gordon Castle ...	9	9	104	68·8	51·7	60·3	+2·7	81	21	42	13	–	–	1·17	38	·37	6	13	6	–	0	–	–	–	0	–	0	4·63	100 S
Banff	Glenlivet... ...	9	9	1085	65·2	49·5	57·3	–	78	21	40	13	54·6	–	1·37	43	·48	13	13	8	0	0	0	0	0	0	0	0	4·79	–
	Banff	9	9	80	67·4	53·1	60·3	–	80	20,21,22	41	13	–	–	1·76	–	·49	27	12	10	0	0	0	0	0	0	–	0	4·46	–
Aberdeen	Braemar	9	9	1113	65·4	50·1	57·7	+3·5	77	11,21	43	27	–	–	1·53	50	1·03	13	10	7	0	0	0	0	0	0	–	0	3·43	– S
	Balmoral... ...	9	9	927	65·8	49·1	57·5	+3·1	77	21	40	7	–	–	1·12	39	·75	13	9	4	0	0	0	0	–	0	0	0	–	–
	Logie Coldstone	9	9	608	68·0	49·3	58·7	+3·1	78	21	41	13,26,30	–	–	·76	–	·58	13	8	3	0	0	0	0	–	0	–	0	–	–
	Fyvie Castle ...	9	9	218	67·2	51·4	59·3	–	78	25	39	13	–	–	1·04	–	·28	28	11	7	0	0	0	0	–	0	0	0	4·37	– S
	Craibstone ¶§	9	9	300	66·6	51·6	59·1	+3·1	79	25	46	7,13,28	58·7	55·8	·78	26	·25	23	10	6	0	0	0	0	0	0	0	0	4·53	93
	Dyce	21-9	9	190	67·6	51·8	59·7	–	81	25	40	13	–	–	·85	27	·29	23	10	7	0	0	0	0	0	0	0	0	4·62	–
	Aberdeen ...	9	9	170	66·5	52·9	59·7	–	81	25	47	16	–	–	·49	17	·10	11,23	10	6	0	0	0	0	1	0	0	2	4·48	–
	Udny	9	9	363	66·2	51·4	58·8	–	79	25	44	16	–	–	1·01	–	·26	13	9	7	0	0	0	0	0	0	–	1	4·17	–
	Rattray Head ...	21-9	9	85	63·0	53·4	58·2	–	78	25	46	16	–	–	1·43	55	·52	27	5	10	0	0	0	0	1	0	–	0	5·07	–
Kincardine	Fettercairn ...	9	9	560	65·9	50·9	58·4	–	76	25	43	16	–	–	·84	–	·39	13	9	6	0	0	0	0	1	0	0	0	4·74	–
	Stonehaven ...	9	9	12	66·2	52·0	59·1	–	81	25	43	16	–	–	·42	15	·09	3	10	5	0	0	0	0	1	0	–	0	4·86	–
	Muchalls ...	9	9	210	65·1	52·0	58·5	–	81	25	45	16,28,29	–	–	·57	–	·13	1	11	5	0	0	0	0	1	0	0	0	–	–
Angus	Dundee (Mylnefield)	9	9	100	67·5	52·9	60·2	–	74	5,19,25	44	29	60·2	55·9	·44	–	·27	13	8	2	0	0	0	0	0	0	0	0	5·17	–
	Dundee ... ¶	9	9	147	68·8	53·7	61·3	+3·4	77	25	45	29	62·2	–	·76	23	·48	13	9	3	0	0	0	0	–	0	0	0	–	–
	Glamis Castle ...	9	9	200	67·8	51·3	59·5	–	76	21	42	16,19	–	–	1·12	–	·60	13	9	6	0	0	0	0	0	0	–	1	–	–
	Buddon Ness ...	9	9	15	66·6	52·4	59·5	–	76	5	41	29	–	–	·67	23	·35	13	9	4	0	–	0	0	2	0	–	0	–	–
	Carnoustie ...	9	9	29	68·1	54·6	61·3	–	76	18	42	29	64·8	–	·47	16	·28	13	7	3	0	0	0	0	0	0	0	0	5·43	–
	Arbroath... ...	9	9	95	66·1	53·6	59·9	+2·8	75	25,26	47	28,29	–	–	·58	24	·32	13	7	5	0	0	0	0	1	0	0	0	4·86	95
	Montrose... ...	9	9	200	66·4	53·0	59·7	–	78	25	46	16	–	–	·44	16	·19	13	6	5	0	0	0	0	1	0	–	0	–	–
Perth	Strathyre ...	9	9	425	68·8	48·2	58·5	–	76	22,23	38	31	59·9	57·3	3·45	–	·92	14	10	8	0	0	0	0	1	1	0	0	–	–
	Loch Tay (Ardtalnaig)	9	9	427	66·8	51·7	59·3	–	76	11,20,22	41	29	–	–	1·97	–	·59	13	12	6	0	0	0	0	2	0	0	1	–	–
	Pitlochry ...	9	9	473	67·8	48·9	58·3	–	77	21	41	7	–	–	1·02	–	·59	13	8	4	0	0	0	0	1	0	0	0	4·43	–
	Pitlochry (Faskally)	9	9	310	68·1	52·3	60·2	–	77	21	44	16,17	62·1	58·0	1·19	–	·59	13	12	6	0	0	0	0	1	0	0	0	–	–
	Perth	9	9	77	69·5	52·8	61·1	+3·0	79	20	42	29	–	–	·53	18	·31	13	7	2	0	0	0	0	2	0	0	0	4·75	104
	Blairgowrie ...	9	9	200	69·3	51·5	60·4	–	79	20	43	16,29	60·5	–	·74	–	·34	13	7	5	0	0	0	0	0	0	0	1	–	–
	Glenshee Lodge	9	9	1100	65·1	48·6	56·9	–	76	11,21	40	16,19	59·1	–	1·83	–	·87	13	9	8	0	0	0	0	0	0	0	0	–	–
Fife	Kirkcaldy ...	9	9	137	68·0	53·3	60·7	+2·6	77	20,22	43	29	–	–	·51	16	·12	23,24	6	5	0	0	0	0	0	0	0	0	5·45	110
	Cupar	9	9	82	68·8	51·5	60·1	–	78	20	38	29	60·9	–	·59	–	·36	13	6	3	0	0	0	0	0	0	0	0	–	–
	Lundin Links ...	9	9	40	67·6	53·9	60·7	–	76	22	44	29	–	–	·36	–	·18	13	5	3	0	0	0	0	0	0	–	0	5·80	–
	Leuchars... ...	21-9	9	33	67·4	54·4	60·9	+3·3	75	25	44	29	–	–	·77	29	·54	13	5	3	0	0	0	0	1	0	0	0	5·53	113
	St. Andrews ...	9	9	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian	Balerno	9	9	700	69·0	49·5	59·3	–	79	20	41	29	–	–	·63	–	·32	13	8	4	–	0	0	–	–	0	0	–	5·31	–
	Midcalder ...	9	9	400	68·6	51·2	59·9	–	79	20	41	29	–	–	·58	–	·15	13	8	6	0	0	0	0	1	0	0	0	–	–
	Turnhouse ...	21-9	9	114	69·2	52·7	60·9	–	79	19	43	2,27,29	–	–	·38	12	·12	13	8	4	0	0	0	0	0	0	0	0	5·27	–
	Edinburgh—																													
	East Craigs ...	9	9	200	68·8	52·6	60·7	–	81	20	43	2	–	–	·42	–	·12	13	10	4	0	0	0	0	0	0	0	0	–	–
	Davidson's Mains	9	9	200	68·7	53·9	61·3	–	77	19,22	46	27,29	–	–	·34	–	·12	13	7	4	0	0	0	0	0	0	0	0	5·05	–
	Penicuik ...	9	9	620	68·5	51·6	60·1	–	81	20	42	19,27	59·6	–	·53	–	·12	27	8	6	0	0	0	0	0	0	0	0	4·85	– S
	Bush House ...	9	9	605	67·4	51·0	59·2	–	80	20	43	19	59·7	–	·41	–	·16	27	9	4	0	0	0	0	2	0	0	0	5·14	–
	Edinburgh—																													
	Blackford Hill ¶§	9	9	441	68·6	54·6	61·6	+4·0	81	20	48	29	–	–	·40	13	·18	23	6	3	0	0	0	0	1	0	0	0	5·49	119
	Liberton ...	9	9	200	69·3	54·3	61·8	–	83	20	47	27	–	–	·22	–	·06	13,27	4	4	0	0	0	0	1	0	–	0	5·67	–
	Botanic Garden	9	9	74	69·4	53·6	61·5	–	78	20	46	29	61·2	–	·34	–	·12	13,27	5	3	0	0	0	0	0	0	0	0	5·23	–
E. Lothian	Haddington ...	9	9	162	69·6	53·0	61·3	–	83	20,21	43	31	–	–	·28	–	·16	13	3	2	0	0	0	0	0	0	0	0	5·59	–
	North Berwick ...	9	9	51	68·6	55·0	61·8	+4·0	80	19	50	17,29,31	–	–	·47	15	·27	13	7	2	0	0	0	0	0	0	–	0	4·86	103
	Dunbar	9	9	75	67·6	55·4	61·5	–	79	19	47	29	–	–	·36	–	·26	13	5	1	0	0	0	0	0	0	0	0	6·40	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max.	Min.	Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1 SCOTLAND, E.—cont.																														
Berwick Marchmont ¶§	9	9	9	498	68·5	51·5	60·0	+2·9	82	21	41	16	–	–	·42	13	·30	13	5	2	0	0	0	0	0	0	–	–	5·65	125 S
St. Abb's Head ...	9	9	9	245	63·8	55·5	59·7	–	75	18,25	45	16	–	–	·37	–	·22	13	6	3	0	0	0	0	5	0	0	0	–	–
Peebles Broughton ...	9	9	9	741	66·6	50·1	58·3	–	80	21	37	27	–	–	·88	–	·33	13	8	6	0	0	0	0	0	0	0	0	–	–
Blyth Bridge ...	9	9	9	830	66·2	50·9	58·5	–	81	21	40	27,29	–	–	·83	–	·19	13	13	6	0	0	0	0	0	0	1	0	4·86	–
West Linton ...	9	9	9	800	66·2	50·0	58·1	–	81	21	38	27	59·9	56·7	·57	–	·18	13	9	4	0	0	0	1	0	0	0	0	–	–
Peebles	9	9	9	645	68·0	50·4	59·2	–	82	21	40	27	–	–	1·01	–	·48	13	10	6	0	0	0	0	0	0	0	0	5·04	–
Selkirk Selkirk (Bowhill)	9	9	9	600	69·0	50·3	59·7	–	83	21	40	31	–	–	·78	–	·40	13	8	5	0	0	0	1	0	0	–	1	–	–
Roxburgh Hawick (Wauchope)	9	9	9	560	–	49·1	–	–	–	–	32	31	–	–	·98	–	·46	13	4	4	–	0	–	–	0	1	–	–	–	–
Sourhope ...	9	9	9	900	67·5	51·9	59·7	–	81	21,22	42	29,31	–	–	·78	–	·31	13	8	6	0	0	0	0	0	0	0	0	5·80	–
6a SCOTLAND, W.																														
Argyll Tiree ... ¶§	21–9	9		29	62·0	53·6	57·8	+1·2	67	20	49	7,8 ,13	–	–	1·40	39	·46	23	15	8	0	0	0	0	0	0	0	3	3·90	76
Rhuvaal	21–9	9		47	62·6	55·0	58·8	–	72	10	49	13	–	–	1·67	–	·40	13	16	11	0	0	0	0	0	0	0	1	–	–
Colonsay ...	9	9	9	87	63·7	53·2	58·5	–	72	10	44	13	–	–	2·53	58	·39	14	26	20	–	–	–	–	5	0	–	–	–	–
Tobermory ...	9	9	9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loch Shiel (Polloch)	9	9	9	33	64·6	52·4	58·5	–	75	10	38	29	–	–	4·91	–	·94	23	20	16	0	0	0	0	0	0	0	0	–	–
Tarbert (Achaglachgach)	9	9	9	40	66·0	49·0	57·5	–	74	10,21	34	6	–	–	1·52	–	·45	13	16	11	0	0	0	1	0	0	0	0	–	–
Lephinmore ...	9	9	9	30	65·7	53·4	59·5	–	75	20	42	29	–	–	2·22	–	·45	23	17	13	0	0	0	0	0	0	0	0	4·20	–
Glenbranter ...	9	9	9	120	66·6	50·8	58·7	+1·7	75	10,20,21	39	29	–	–	4·06	57	·90	23	16	14	0	0	0	0	0	0	0	0	–	–
Dunoon Waterworks	9	9	9	228	67·8	53·5	60·7	–	76	21	43	29	–	–	1·91	–	·73	24	13	9	–	0	–	–	0	0	0	0	–	–
Dunoon (Benmore)	9	9	9	46	67·8	50·0	58·9	–	75	11,20,21	38	13	59·6	58·8	2·60	36	·67	23	17	13	0	0	0	1	1	0	0	0	–	–
Bute Rothesay ¶§	9	9	9	150	65·2	53·6	59·4	+2·1	75	10	44	29	60·1	58·0	1·00	21	·32	15	14	5	0	0	0	0	2	0	0	1	4·71	105
Millport	9	9	9	16	65·9	54·8	60·3	–	73	10,20,21	47	29	–	–	·79	21	·23	17	12	5	0	0	0	1	0	0	–	5	–	–
Dunbarton Helensburgh ...	9	9	9	293	67·5	53·0	60·3	+2·6	76	20,21	42	29	–	–	1·67	34	·44	23	13	10	0	0	0	0	0	0	–	3	4·43	105
Stirling Stirling	9	9	9	151	69·3	54·5	61·9	+3·3	79	21	47	29	63·5	57·8	·94	27	·41	13	9	5	0	0	0	1	0	0	0	0	–	–
Falkirk	9	9	9	100	70·2	53·4	61·8	–	80	20	45	27	–	–	·71	21	·34	24	5	3	0	0	0	0	0	0	0	0	–	–
Renfrew Greenock ...	9	9	9	200	66·3	54·4	60·3	+2·0	76	20	42	29	–	–	1·74	38	·43	15	13	8	0	0	0	1	0	0	0	0	4·51	98
Paisley	9	9	9	106	68·6	54·6	61·6	+2·5	80	20	45	29	61·4	56·9	·57	16	·16	23	10	5	0	0	0	1	0	0	0	0	5·33	119
Barrhead ...	9	9	9	97	67·5	53·1	60·3	–	79	20,21	40	29	–	–	·80	–	·21	23	11	6	0	0	0	1	0	0	0	0	–	–
Renfrew ... ¶§	21–9	9		26	68·8	53·9	61·3	+3·3	80	20,21	42	29	–	–	·45	14	·12	13	7	6	0	0	0	1	0	0	0	0	5·14	119
Lanark Thorntonhall ...	9	9	9	453	66·0	51·5	58·7	–	77	20	41	29	–	–	·77	–	·19	23	11	7	0	0	0	1	–	0	0	0	–	–
Glasgow, Spr. Pk.	9	9	9	351	68·0	53·6	60·8	–	80	20	45	29	–	–	·68	18	·17	13	9	7	0	0	0	1	0	0	0	0	4·85	–
Coatbridge ...	9	9	9	256	67·9	53·5	60·7	–	80	20	40	27	–	–	·81	–	·19	24	9	8	0	0	0	0	0	0	–	1	–	–
Coalburn ...	9	9	9	920	64·4	49·5	56·9	–	77	21	36	29	58·3	–	1·95	–	·63	21	11	9	0	0	0	2	0	0	2	0	4·76	–
Leadhills ...	9	9	9	1270	64·9	48·6	56·7	–	79	21	35	29	–	–	1·41	–	·48	13	14	7	0	0	0	1	0	0	0	0	–	–
Carnwath ...	9	9	9	706	66·5	49·8	58·1	–	79	21	37	27	–	–	·54	–	·14	14	9	6	0	0	0	0	0	0	0	0	–	–
Ayr Colmonell.. ...	9	9	9	170	66·4	52·2	59·3	+1·6	75	20	35	29	–	–	1·04	29	·27	13	10	6	–	0	–	–	0	0	1	–	–	–
Turnberry ...	9	9	9	25	66·3	54·3	60·3	+2·4	77	20	43	29	–	–	·94	–	·23	25	9	6	–	0	–	–	0	0	–	–	5·38	–
Largs (Woodbank)	9	9	9	25	68·6	54·1	61·3	–	77	10	41	29	–	–	1·45	35	·49	9	10	6	–	0	–	–	0	0	0	–	–	–
Barr	9	9	9	400	66·7	49·5	58·1	–	77	10,20	33	29	–	–	1·48	–	·40	13	13	9	0	0	0	1	0	0	0	–	–	–
Auchincruive ...	9	9	9	147	66·2	52·9	59·5	–	75	20	40	29	59·7	57·0	·57	16	·21	23	8	6	0	0	0	1	0	0	0	1	5·38	–
Prestwick ...	9	9	9	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Prestwick Airport	21–9	9		30	67·3	54·3	60·8	–	77	10	42	29	–	–	·35	11	·16	23	5	3	0	0	0	1	0	0	0	1	5·82	–
Kilmarnock ...	9	9	9	115	69·0	53·5	61·3	+2·7	79	20,21	44	29	62·5	61·3	·68	–	·13	16	8	8	0	0	0	0	0	0	0	0	–	–
Dumfries Moniaive (Dalmacallan)	9	9	9	480	66·7	50·0	58·3	–	79	21	40	29	–	–	1·17	–	·50	13	8	7	–	0	–	–	0	0	0	–	–	–
Dumfries... ¶§	9	9	9	140	68·4	53·0	60·7	+2·6	83	21	44	17	60·7	58·1	·69	17	·27	13	4	3	0	–	0	1	0	0	0	0	5·75	126
Ruthwell... ...	9	9	9	95	69·8	50·4	60·1	+1·7	80	20	40	15	–	–	·50	13	·18	13	9	5	0	–	0	2	–	0	0	0	5·17	122 S
Eskdalemuir ¶§	21–9	9		794	66·8	49·5	58·1	+2·7	81	21	36	30	59·5	55·4	·97	18	·28	23	8	5	0	0	0	1	0	0	0	1	6.09	151
Kirkcud-bright Bargrennan ...	9	9	9	360	67·1	50·3	58·7	–	80	21	34	20	–	–	·92	–	·23	13	10	6	0	0	0	1	0	0	0	0	–	–
Palnure	9	9	9	50	68·0	51·6	59·8	–	81	21	36	16	–	–	·62	–	·18	23	10	6	0	0	0	1	0	0	–	3	–	–
Glenlee	9	9	9	181	70·0	51·5	60·7	–	82	21,22	41	19,27	–	–	·95	–	·52	13	6	4	0	0	0	0	0	0	0	2	–	–
Carsphairn (Dundeugh)	9	9	9	390	68·2	49·5	58·9	–	82	21	34	29	–	–	·80	–	·54	13	3	2	0	0	0	1	0	0	–	1	–	–
Glenlochar Barrage	9	9	9	154	67·9	51·5	59·7	–	82	21	42	16	–	–	·46	–	·22	13	5	3	–	0	–	–	0	0	–	–	–	–
Castle Douglas ...	9	9	9	196	68·5	50·3	59·4	–	83	21	39	27	59·9	–	·47	–	·22	13	6	3	–	0	–	–	0	0	2	–	6·16	–
Wigtown Stranraer (Penwhirn)	9	9	9	546	64·4	51·8	58·1	–	74	20	40	29	–	–	1·02	–	·32	23	9	5	0	0	0	0	0	0	0	0	5·56	–
Mull of Galloway	21–9	9		257	65·7	53·9	59·8	–	75	21	48	15,29	–	–	·59	–	·23	13	6	3	0	0	0	2	0	0	–	3	–	–
6b ISLE OF MAN																														
Isle of Man Ronaldsway ...	21–9	9		55	66·6	55·1	60·9	–	77	21	46	13	–	–	·25	8	·15	2	4	2	0	0	0	2	0	0	0	1	6·33	–
Douglas	9	9	9	284	65·9	55·1	60·5	+2·4	76	21	48	13,29	–	–	·29	7	·11	13	6	2	0	0	0	0	0	0	0	1	7·05	125
Point of Ayre ...	21–9	9		30	69·4	54·2	61·8	–	81	24	44	16	–	–	·46	17	·20	13	5	3	0	0	0	1	0	0	–	0	6·65	–
2 ENGLAND, N.E.																														
Northum-berland Kielder Castle ...	9	9	9	660	66·5	47·6	57·1	–	80	21	35	30,31	60·6	–	·75	16	·25	13	7	5	0	0	0	1	0	0	0	0	–	–
Bellingham ...	9	9	9	849	66·9	50·5	58·7	+2·8	79	20,21,22	41	17,29	–	–	·36	10	·27	13	4	2	0	0	0	0	0	0	–	–	–	–
Allendale Town ...	9	9	9	795	66·8	50·1	58·5	–	81	20,21	36	31	–	–	·62	–	·29	13	7	5	0	0	0	1	2	0	4	0	–	–
Haydon Bridge ...	9	9	9	270	69·3	50·5	59·9	–	83	20	35	17	60·4	56·2	·35	–	·17	13	4	3	0	0	0	0	0	0	2	0	5·39	– S
Berwick-on-Tweed	9	9	9	76	66·1	53·3	59·7	+2·6	77	5	47	8,16	–	–	·45	17	·15	11	5	3	0	0	0	0	2	0	0	0	5·59	114
Cockle Park ¶§	9	9	9	326	69·8	49·1	59·5	+2·3	81	18	40	29	60·5	57·9	·31	10	·19	13	2	2	0	0	0	0	0	0	0	2	6·31	135
Acklington ...	21–9	9		138	67·5	51·2	59·3	–	80	18	41	29	–	–	·30	–	·18	13	4	2	0	0	0	0	0	0	0	0	6·35	–
Tynemouth ...	21–9	9		95	66·4	55·5	60·9	+2·3	78	18	48	29	–	–	·78	26	·47	11	3	2	0	0	0	3	0	0	0	0	6·13	–
Durham Chopwellwood ...	9	9	9	446	69·7	52·0	60·9	+2·9	85	20	41	17	–	–	·43	14	·35	13	5	1	0	0	0	0	2	0	1	0	–	–
Ushaw College ...	9	9	9	594	69·8	52·3	61·1	+2·8	83	21	43	29	–	–	·35	12	·35	13	1	1	0	0	0	1	4	0	–	1	–	–
Houghall... ...	9	9	9	160	71·4	49·4	60·4	+1·6	85	20	31	29	–	–	·28	10	·21	13	3	2	0	0	0	1	2	1	6	0	6·09	133
Durham ... ¶§	9	9	9	336	71·1	52·2	61·7	+3·2	84	20	40	17	60·9	56·7	·25	9	·22	13	4	1	0	0	0	1	–	0	0	0	5·99	126
Gateshead ...	9	9	9	509	68·3	53·8	61·1	–	79	20,21	46	29	–	–	·23	–	·17	13	3	1	–	0	–	–	1	0	0	–	6·38	–
Middleton St. Gge.	21–9	9		115	71·3	52·8	62·1	–	86	20	41	17	–	–	·17	–	·15	13	2	1	0	0	0	0	0	0	0	0	6·89	–
West Hartlepool	9	9	9	30	68·8	55·2	62·0	–	80	18	46	17	–	–	·21	–	·11	11	5	2	0	0	0	0	1	0	0	0	6·77	–
Yorks., N. Riding Dishforth ...	21–9	9		106	72·7	53·6	63·1	–	87	20	43	17,29,30	–	–	·85	34	·81	13	2	1	0	0	0	2	1	0	0	0	7·24	–
York ... ¶§	9	9	9	57	73·8	55·1	64·5	+3·7	88	20	43	29	63·3	59·4	·29	11	·23	13	3	2	0	0	0	0	0	0	–	0	6·23	123
Ampleforth ...	9	9	9	313	71·6	52·4	62·0	–	83	20,22,25	42	30	–	–	·45	15	·41	13	4	1	–	–	–	–	0	0	0	–	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01 in.(0·2 mm.) or more	Precip'n ·04 in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding—cont.	Redcar 9 9 9	25	69·3	–	–	–	80	18,25	–	–	–	–	·17	7	·11	11	5	1	0	0	0	0	2	–	–	0	6·56	–
	Whitby 9 9 9	135	68·5	53·8	61·1	–	81	20	42	17	–	–	·55	20	·25	11	5	2	0	0	0	0	2	0	0	0	5·98	–
	Scarborough ¶§ 9 9 9	118	69·5	56·6	63·1	+2·6	84	25	50	29,30	–	–	·31	12	·19	11	4	2	0	0	0	0	1	0	0	0	5·97	115
	Silpho Moor ... 9 9 9	665	67·7	53·6	60·7	–	79	25	45	29	59·3	–	·54	–	·27	13	8	3	–	0	–	–	–	0	0	–	–	–
Yorks., E. Riding	High Mowthorpe 9 9 9	574	71·0	52·9	61·9	–	83	22	42	29	60·0	–	·26	–	·23	13	4	1	0	0	0	0	0	0	1	0	6·18	–
	Leconfield 21–9 9	29	72·6	53·6	63·1	–	86	20	42	17	–	–	·21	–	·14	13	5	1	0	0	0	0	0	0	0	0	6·55	–
	Hull 9 9 9	8	72·7	55·6	64·1	+2·6	82	20,23,25	46	31	63·8	57·4	·27	10	·12	13	6	2	0	0	0	0	0	0	0	0	6·56	122
	Filey 9 9 9	122	67·5	53·7	60·6	–	80	25	43	17	–	–	·93	–	·81	11	3	2	0	0	0	0	2	0	0	0	6·30	–
	Bridlington ... 9 9 9	157	68·7	54·2	61·5	–	82	25	46	16,30	–	–	·46	–	·26	11	5	4	0	0	0	0	1	0	0	0	6·71	–
	Spurn Head ... 21–9 9	29	68·3	58·3	63·3	+2·4	79	25	51	30	–	–	·40	–	·35	11	4	1	0	0	0	0	2	0	0	0	6·64	118
Lincoln	Gunby 9 9 9	443	(72·5)	(52·7)	(62·6)	–	84	20	42	29	–	–	1·40	–	·83	10	5	4	–	0	–	–	–	0	–	–	–	–
	Waddington ... 21–9 9	224	73·1	54·8	63·9	–	86	20	41	29	–	–	·65	–	·33	13	4	4	0	0	0	0	0	0	0	0	6·99	–
	Lincoln 9 9 9	22	74·2	51·6	62·9	–	85	20	33	30	63·2	60·9	·68	–	·30	13	4	4	0	0	0	0	0	0	3	0	6·48	–
	Cranwell ... ¶§ 9 9 9	205	73·4	54·3	63·9	+3·3	85	20	43	29	64·6	63·1	1·33	61	·93	10	5	4	0	0	0	0	0	0	0	0	6·73	116
	Horncastle ... 9 9 9	205	73·5	54·0	63·7	–	85	20	40	29	63·8	59·3	1·41	–	·89	11	5	4	0	0	0	0	1	0	0	0	–	–
	Cleethorpes ... 9 9 9	23	71·1	56·7	63·9	–	85	25	48	31	–	–	1·21	–	1·08	11	3	2	0	0	0	0	0	0	0	0	6·83	–
	Manby 21–9 9	55	72·1	53·8	62·9	–	83	20,25	43	31	–	–	·90	–	·50	11	7	4	0	0	0	0	1	0	0	0	7·07	–
	Skegness 9 9 9	15	70·1	56·9	63·5	+2·9	84	25	47	31	–	–	2·30	107	1·45	10	7	5	0	0	0	0	0	0	0	0	7·06	121
3 ENGLAND, E.																												
Norfolk	Terrington St. Clement ... 9 9 9	13	73·8	55·2	64·5	–	85	20	47	30	61·7	–	1·47	78	·87	10	6	5	0	0	0	0	0	0	0	0	7·13	–
	Marham 21–9 9	76	73·5	55·3	64·4	–	84	20	46	15	–	–	1·76	–	1·03	10	7	5	0	0	0	1	0	0	0	0	–	–
	Santon Downham 9 9 9	80	74·1	49·8	61·9	–	84	25	34	31	61·9	58·5	2·78	–	2·33	10	7	6	0	0	0	1	–	0	3	0	–	–
	West Raynham ... 21–9 9	250	71·5	55·3	63·4	–	83	20	49	1,15,16	–	–	1·39	–	·51	11	7	6	0	0	0	0	0	0	0	0	7·27	–
	Cromer 9 9 9	178	69·6	56·6	63·1	+1·5	82	24	50	15	–	–	4·01	200	2·50	11	6	6	0	0	0	0	0	0	–	0	6·96	116
	Sprowston ¶§ 9 9 9	93	73·6	54·7	64·1	+2·8	84	25	44	17	–	–	1·35	64	·73	11	10	6	0	0	0	0	–	0	0	0	7·09	118
	Burlingham ... 9 9 9	89	72·8	55·6	64·2	–	85	25	48	17,18	–	–	1·73	83	1·07	11	7	6	0	0	0	0	0	0	0	0	7·00	– S
	Gorleston ¶§ 21–9 9	5	69·5	58·5	64·0	+2·3	82	25	51	1,30	65·0	61·1	2·40	119	1·15	11	11	5	0	0	0	0	2	0	0	0	7·14	115
Suffolk	Mildenhall ... 21–9 9	15	74·7	54·9	64·8	–	86	20	42	31	–	–	·79	39	·48	10	7	5	0	0	0	1	1	0	0	0	7·23	–
	East Bergholt ... 9 9 9	14	74·8	54·5	64·7	–	86	25	45	18,30	–	–	1·12	–	·60	10	7	5	0	0	0	1	0	0	0	0	–	–
	Felixstowe ... 21–9 9	10	71·7	60·0	65·9	+3·0	83	25	50	30	–	–	1·17	64	·71	10	7	5	0	0	0	2	0	0	0	0	7·10	107
	Lowestoft ... 9 9 9	82	71·2	57·3	64·3	+2·6	86	25	50	1,30	66·2	62·5	1·69	79	·78	11	7	5	0	0	0	0	1	0	0	0	7·11	113
Cambridge	Boxworth ... 9 9 9	157	74·9	54·2	64·5	–	84	20	44	31	–	–	1·00	57	·49	22	7	6	0	0	0	1	0	0	0	0	7·12	–
	*Cambridge Bot. Gdn. ¶§ 9 9 9	41	75·5	54·8	65·1	+3·3	86	20	47	29,31	65·9	62·9	·80	42	·55	10	6	4	0	0	0	1	0	0	0	–	6·88	119
Huntingdon	Wyton 21–9 9	129	74·1	55·3	64·7	–	85	20	45	31	–	–	·54	–	·24	10	7	3	0	0	0	3	0	0	0	0	–	–
Bedford	Woburn 9 9 9	291	73·3	53·1	63·2	+2·5	83	20	40	31	66·1	59·0	·95	41	·29	11	6	6	0	0	0	1	0	0	0	0	7·32	125
	Harrold 9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Dunstable ... 21–9 9	516	72·5	54·8	63·7	–	82	20	43	31	63·6	59·1	1·02	–	·36	10	6	5	0	0	0	4	1	0	0	0	7·55	–
	Goldington ... 9 9 9	107	75·0	55·2	65·1	–	85	20	45	31	–	–	·70	–	·21	12	6	5	0	0	0	3	0	0	0	0	–	–
	Luton 9 9 9	379	73·0	54·5	63·7	+2·7	82	20	42	30,31	65·7	–	1·11	49	·34	12	8	7	–	0	–	–	0	0	0	–	7·13	122
	Silsoe 9 9 9	195	75·0	53·1	64·1	–	84	20	41	31	65·2	60·4	·83	39	·27	12	6	6	0	0	0	0	0	0	0	0	7·40	–
	Cardington ... 21–9 9	93	75·2	52·7	63·9	–	86	20	39	31	–	–	·58	30	·20	12	6	5	0	0	0	3	0	0	0	0	7·24	–
Hertford	Bovingdon ... 21–9 9	516	71·9	54·0	62·9	–	83	20	43	30	–	–	1·92	–	·65	9	8	7	0	0	0	4	0	0	0	0	–	–
	Garston 9 9 9	263	74·2	54·9	64·5	–	85	20	43	30	–	–	1·87	–	·74	10	8	6	0	0	1	3	0	0	0	0	6·73	–
	Rothamsted ¶§ 9 9 9	420	72·5	53·8	63·1	+2·6	83	20	42	30	63·8	59·4	1·57	69	·56	22	8	7	0	0	0	4	1	0	0	0	7·38	126
	St. Albans ... 9 9 9	272	74·2	54·1	64·1	+3·1	84	20	42	30	64·7	–	1·38	66	·35	22	9	7	0	0	0	3	0	0	0	0	–	–
	Bayfordbury ... 9 9 9	221	74·1	52·9	63·5	–	83	19,20,25	40	30	–	–	1·11	52	·24	9	9	9	0	0	0	1	0	0	0	0	6·98	–
	Stanstead Abbotts 9 9 9	97	75·3	52·6	63·9	–	84	24	38	30	66·7	64·5	·64	–	·16	12	8	6	–	0	–	–	0	0	0	–	–	–
	Eastwick Lodge... 9 9 9	137	74·5	53·3	63·9	–	84	20	39	30	–	–	1·13	55	·31	9	7	7	–	0	–	–	0	0	–	–	–	–
Essex	Stansted ... 9 9 9	330	74·2	55·4	64·8	–	85	20	45	31	–	–	·64	–	·16	12	6	6	0	0	0	1	1	0	0	0	–	–
	Saffron Walden 9 9 9	295	73·8	55·0	64·4	–	84	20	43	31	63·4	59·1	·43	–	·13	10	5	5	0	0	0	1	1	0	1	0	–	–
	Writtle 9 9 9	105	74·1	53·8	63·9	–	84	25	43	18,30,31	–	–	·72	36	·17	11	6	6	0	0	0	1	0	0	0	0	6·59	–
	Coryton 9 9 9	9	74·5	57·5	66·0	–	84	25,26	47	30	67·9	64·8	·71	–	·17	21	9	8	0	0	0	1	0	0	0	0	–	–
	Southend ... 9 9 9	90	73·8	57·9	65·9	–	83	25	49	29,30	–	–	·90	46	·45	10	7	6	0	0	0	1	0	0	0	0	7·60	115
	Maldon 9 9 9	14	73·8	56·3	65·1	–	85	25	47	15	–	–	·64	–	·18	10	6	6	0	–	0	1	0	0	–	0	–	–
	Earls Colne ... 9 9 9	160																										
	Shoeburyness ¶§ 21–9 9	11	72·4	57·7	65·1	+2·2	84	25	47	29,30	–	–	·84	45	·28	10	9	7	0	0	0	1	0	0	0	0	7·84	120
	Clacton 9 9 9	53	71·5	59·1	65·3	–	83	26	50	30,31	66·8	63·2	·61	36	·27	10	5	4	0	0	0	2	0	0	0	0	7·18	109
	Walton-on-Naze 9 9 9	35	71·6	58·7	65·1	–	82	25,26	47	30	–	–	1·36	–	·85	10	8	6	0	0	0	2	0	0	0	0	7·35	–
	Dovercourt ... 9 9 9	11	72·6	58·2	65·4	–	84	25	48	15,30	–	–	1·42	–	·99	10	5	5	–	–	–	–	0	0	0	–	6·53	–
4 MIDLAND COUNTIES																												
Yorks., W. Riding	Slaidburn ... 9 9 9	629	68·3	52·0	60·1	–	80	21	37	29	–	–	·51	–	·16	13	7	5	0	0	0	0	1	0	0	0	5·36	–
	Malham Tarn ... 9 9 9	1297	64·9	51·0	57·9	–	77	21	39	29	58·1	–	·72	–	·44	13	7	4	0	0	0	0	1	0	3	0	–	–
	Bingley 9 9 9	610	68·8	52·9	60·9	–	81	20	42	31	–	–	·67	21	·53	13	4	2	0	0	0	0	0	0	0	0	–	–
	Huddersfield § 9 9 9	325	71·7	53·7	62·7	+3·0	84	20	40	29	61·6	59·3	·69	–	·39	13	5	3	–	0	–	–	2	0	0	–	6·37	138
	.. (Oakes) 21–9 9	762	72·2	53·5	62·9	+4·0	84	20,21,23	44	29	61·0	56·7	·64	20	·29	13	5	3	0	0	0	1	0	0	0	0	6·39	–
	Bradford ¶ 9 9 9	439	69·5	53·9	61·7	+2·6	83	20	41	29	61·3	59·0	·52	17	·42	13	2	2	0	0	0	1	0	0	1	0	–	–
	Ilkley 9 9 9	315	72·4	53·2	62·8	+3·5	84	20,21	38	29	–	–	·60	18	·52	13	2	2	0	0	0	0	0	0	–	0	6·35	130
	Sheffield 9 9 9	429	72·4	55·7	64·1	+3·6	84	20	47	17,30	62·5	59·1	·74	27	·60	13	3	3	0	0	0	1	–	0	0	0	6·50	131
	Wakefield ... 9 9 9	121	75·6	53·9	64·7	+3·9	85	20,23	42	29	61·5	58·1	·53	20	·40	13	3	2	0	0	0	0	0	0	1	0	–	–
	Killinghall ... 9 9 9	365	70·5	52·2	61·3	–	83	20	40	17	61·0	–	1·06	–	·96	13	2	2	0	0	0	1	0	0	0	0	7·05	–
	Pontefract ... 9 9 9	255	72·1	55·4	63·7	+4·0	83	20,21	44	29	–	–	1·03	42	·89	13	4	2	0	0	0	1	3	0	0	0	6·52	–
	Bramham ... 9 9 9	177	73·0	52·1	62·5	–	86	20	40	17	–	–	·79	–	·62	13	3	2	0	0	0	1	0	0	–	0	6·36	–
	Cawood 9 9 9	20	73·3	52·4	62·9	–	86	20	41	17,29,30	64·7	61·6	·41	16	·38	13	2	1	0	0	0	0	0	0	0	0	6·37	–
	Askham Bryan ... 9 9 9	90	73·5	52·9	63·2	–	86	20	42	17,29	–	–	·40	15	·31	13	2	2	0	0	0	0	0	0	0	0	6·03	–
Derby	Buxton 9 9 9	1007	66·8	51·4	59·1	+2·2	78	20,21	39	31	60·7	59·3	1·13	27	·61	21	6	3	0	0	0	1	2	0	0	0	–	–
	Chapel en le Frith 9 9 9	728	69·1	51·5	60·3	–	81	20,21	39	31	–	–	·40	–	·21	13	4	2	0	0	0	1	0	0	2	0	–	–
	Wirksworth ... 9 9 9	565	72·0	54·1	63·1	–	84	20	44	31	–	–	1·10	–	·82	13	5	4	0	0	0	1	1	0	0	0	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%	
4	MIDLAND COUNTIES—cont.																													
Derby—cont.	Derby	9 9 9	159	73·4	55·1	64·3	–	85	20,21	44	31	–	–	1·04	–	·68	13	6	5	0	0	0	1	0	0	0	0	6·50	–	
	Morley	9 9 9	350	72·5	54·0	63·3	–	85	20	44	29	–	–	·81	–	·40	13	7	4	0	0	0	1	–	0	0	0	6·66	–	
	Chesterfield ...	9 9 9	298	72·3	52·9	62·6	–	85	21	42	17	–	–	·98	–	·66	13	5	5	0	0	0	0	0	0	–	0	–	–	
Nottingham	Sutton Bonington	9 9 9	157	73·8	53·3	63·5	+3·0	87	20	39	31	62·2	60·2	·69	31	·21	10,13	7	5	0	0	0	1	2	0	1	0	6·51	124	
	Watnall ...	21–9 9	385	72·9	54·2	63·5	–	86	20	45	29	–	–	1·15	44	·91	13	4	4	0	0	0	1	1	0	0	0	6·54	–	
	Mansfield ...	9 9 9	357	72·0	54·8	63·4	+3·2	84	20	43	29	–	–	·68	27	·54	13	4	3	0	0	0	0	0	0	0	0	–	–	
	Nottingham ¶§	9 9 9	192	73·4	56·1	64·7	+3·5	85	20	45	29	64·6	63·3	·63	27	·35	13	4	3	0	0	0	1	0	0	0	0	6·28	123	
	Warsop	9 9 9	150	73·8	50·5	62·1	–	84	20	38	29, 31	–	–	·64	28	·51	13	5	2	0	0	0	0	0	0	0	0	6·46	–	
	Finningley ...	21–9 9	34	74·2	55·0	64·6	–	88	20	43	29	–	–	·35	–	·22	13	3	3	0	0	0	0	0	0	0	0	6·42	–	
	Langar	21–9 9	106	73·9	53·8	63·9	–	87	20	37	29	–	–	·71	–	·32	10	5	3	0	0	0	0	0	0	2	0	–	–	
Leicester	Leicester (Towers)	9 9 9	267	75·6	55·1	65·3	–	87	20, 25	40	29	64·6	60·4	–	–	–	–	–	–	0	0	0	0	0	0	0	0	7·04	–	
	Caldecott ...	9 9 9	175	74·8	50·3	62·5	–	86	20	36	31	–	–	·75	–	·29	10	6	5	0	0	0	0	0	0	0	–	6·63	–	
Northampton	Wellingborough	9 9 9	298	75·1	54·3	64·7	–	85	20	43	29,31	–	–	·92	–	·27	21	6	6	0	0	0	1	1	0	0	0	–	–	
	Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Raunds	9 9 9	193	75·0	53·3	64·1	–	87	20	44	29	65·4	59·9	·63	30	·20	10,12	6	5	0	0	0	2	0	0	0	0	–	–	
	Wittering ...	21–9 9	216	73·6	55·0	64·3	–	86	20	45	29	–	–	·89	–	·63	10	4	4	0	0	0	4	0	0	0	0	7·07	–	
Warwick	Birmingham ¶§	21–9 9	536	71·1	56·0	63·5	+3·0	82	20	45	29	58·9	56·5	2·67	97	1·91	10	7	4	0	0	0	2	0	0	0	0	6·25	120	
	Luddington ...	9 9 9	138	73·6	53·1	63·3	–	83	19,20,21	41	29	–	–	·73	33	·31	13	7	4	0	0	1	2	0	0	0	0	7·12	–	
	Stratford on Avon	9 9 9	160	74·6	52·4	63·5	–	84	20,21	43	17,29	66·3	–	1·34	–	·51	21	7	4	0	0	0	2	0	0	0	0	6·84	–	
	Elmdon	21–9 9	319	72·3	53·2	62·7	–	83	20	41	29,31	–	–	·94	39	·43	10	6	4	0	0	0	2	0	0	0	0	6·67	–	
	Shipston on Stour	9 9 9	365	72·9	54·5	63·7	–	83	20	45	29,30,31	63·2	–	1·21	–	·41	10	7	5	0	0	0	3	1	0	0	–	7·04	–	
	Wellesbourne ...	9 9 9	153	73·5	52·5	63·0	–	84	20	38	31	65·3	62·9	·73	32	·36	13	6	3	0	0	0	0	0	0	1	0	6·70	–	
	Moreton Morrell	9 9 9	280	73·9	53·5	63·7	–	84	20	40	29, 30	–	–	·72	–	·43	13	5	2	0	0	0	4	0	0	0	0	7·04	–	
	Coventry... ...	9 9 9	338	72·6	55·2	63·9	+2·9	84	20	46	29	62·8	59·1	1·38	54	·65	10	6	5	0	0	0	1	0	0	–	0	6·39	122	S
	Rugby	9 9 9	385	72·8	54·7	63·7	–	84	20	43	29	65·2	63·4	·81	–	·28	12	6	5	0	0	0	1	–	0	0	0	–	–	
Oxford	Oxford ... ¶§	9 9 9	208	73·9	55·4	64·7	+2·6	84	20	45	29,31	67·2	63·7	1·73	77	·46	10	7	7	0	0	0	3	0	0	0	0	7·92	140	
Buckingham	Aylesbury ...	9 9 9	316	73·2	53·5	63·3	–	83	20	40	29,31	–	–	1·20	–	·28	12	9	8	0	0	0	3	3	0	2	0	7·98	–	
	Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Stafford	Keele	9 9 9	587	69·5	54·2	61·9	–	82	20,21	42	29	61·9	58·2	1·65	50	1·18	21	5	4	0	0	0	1	0	0	0	0	5·84	–	S
	Oaken	9 9 9	409	71·9	52·4	62·1	–	83	20	38	29,30	60·8	–	1·45	–	1·05	10	5	4	–	–	–	–	–	0	1	–	–	–	
	Wheaton Aston ...	9 9 9	365	71·1	52·6	61·9	–	83	20	38	29	61·5	–	1·13	–	·65	10	6	3	0	0	0	1	0	0	1	0	5·59	–	
	Stone	9 9 9	350	71·6	52·8	62·2	–	84	20,21	39	29	–	–	·60	–	·21	21	6	4	0	0	0	1	0	0	2	0	5·36	–	
	Penkridge ...	9 9 9	330	70·4	51·9	61·1	–	82	20	37	29	–	–	1·15	–	·79	10	4	4	0	0	0	0	0	0	1	0	–	–	
	Onecote	9 9 9	1350	65·8	51·3	58·5	–	79	18	42	29	56·7	52·7	·80	–	·43	13	5	5	0	0	0	0	0	0	0	0	5·82	–	
Shropshire	Oswestry... ...	9 9 9	570	69·3	53·7	61·5	–	79	21	45	30,31	–	–	1·75	–	·64	12	9	9	0	0	0	2	0	0	0	0	6·25	–	
	Shrewsbury ...	9 9 9	184	72·4	53·9	63·1	–	84	20	42	29, 30	64·9	63·6	·70	28	·36	10	6	6	0	0	0	1	0	0	0	0	6·34	–	
	Shawbury ...	21–9 9	235	71·2	52·7	61·9	–	84	20	40	29	–	–	·77	31	·32	10	7	5	0	0	0	1	0	0	0	0	6·43	–	
	Newport ...	9 9 9	211	71·7	52·2	61·9	–	83	20	37	29	–	–	1·01	40	·71	10	7	4	0	0	0	1	2	0	0	1	5·42	–	
Worcester	Malvern	9 9 9	203	72·9	56·1	64·5	+2·8	82	19,20	46	29	65·9	61·2	1·21	45	·31	10	7	5	0	0	2	3	0	0	0	0	6·94	120	S
	Worcester (Redhill)	9 9 9	190	72·8	54·5	63·7	–	82	20	44	29	–	–	2·27	103	1·56	10	7	5	0	0	0	0	0	0	0	0	6·61	–	
	Droitwich ...	9 9 9	106	72·8	55·0	63·9	–	83	20	44	31	–	–	2·38	–	1·48	10	7	6	0	0	0	2	0	0	–	0	–	–	
	Pershore (Institute of Horticulture)	9 9 9	130	73·1	54·8	63·9	–	83	20	43	29	–	–	1·55	–	·90	10	6	6	0	0	0	3	0	0	0	0	7·20	–	
	Pershore	21–9 9	110	73·4	53·7	63·5	–	84	20	42	29,30,31	–	–	1·05	–	·63	10	7	6	0	0	0	3	0	0	0	0	7·12	–	
	Halesowen ...	9 9 9	505	71·7	52·8	62·3	–	82	20	41	29	63·0	59·1	1·65	–	1·02	10	6	3	0	0	0	3	0	0	0	0	6·18	–	
Hereford	Lyonshall ...	9 9 9	510	71·4	51·8	61·6	–	79	20	43	17,29,30	–	–	1·18	–	·42	10	8	7	–	–	–	–	–	0	0	–	–	–	
	Ross-on-Wye ¶§	21–9 9	223	72·3	53·6	62·9	+2·0	82	20	42	30	64·5	61·7	·97	41	·32	9	8	6	0	0	0	2	0	0	0	0	6·64	120	
	Preston Wynne ...	9 9 9	274	72·0	51·9	61·9	–	81	20	40	30	–	–	·71	–	·16	9,10	7	6	0	0	0	1	0	0	0	0	7·14	–	
Gloucester	Bristol (Filton) ...	21–9 9	192	71·2	55·7	63·5	–	82	20	46	29,30	–	–	2·59	87	1·25	12	10	5	0	0	0	4	0	0	0	0	6·57	–	
	Ruscombe ...	9 9 9	610	70·7	53·5	62·1	–	80	20	43	29	–	–	2·30	77	1·43	10	8	7	0	0	0	3	0	0	–	0	–	–	
	Cirencester ...	9 9 9	443	71·2	53·4	62·3	–	81	20	43	30	–	–	2·20	71	·62	10	7	6	0	0	0	1	1	0	1	–	6·87	–	
	Little Rissington	21–9 9	740	70·1	55·2	62·7	–	80	20	44	29	–	–	2·57	101	1·08	10	6	6	0	0	0	2	1	0	0	0	6·88	–	
5	ENGLAND, S.E.																													
London	Kensington ...	9 9 9	81	76·0	58·1	67·1	+3·3	86	20	50	29,30,31	67·0	63·4	1·89	83	·53	10	7	7	0	0	0	2	0	0	0	0	–	–	
	Hampstead ...	9 9 9	450	73·8	56·6	65·2	+3·7	83	20,25,26	47	29,31	–	–	1·54	64	·42	12	9	7	0	–	0	4	–	0	0	0	7·33	125	
	Westminster ...	9 9 9	27	75·7	58·7	67·2	+3·1	85	20	51	31	–	–	1·31	61	·38	12	9	9	0	–	0	2	–	0	–	–	–	–	
	Regent's Park ...	9 9 9	129	75·9	57·5	66·7	–	87	20	48	30,31	–	–	2·34	–	1·02	21	9	9	–	0	–	–	0	0	0	–	7·27	128	
	Camden Square ...	9 9 9	121	75·5	58·3	66·9	+2·6	85	20,21	49	31	69·7	68·9	1·89	82	·75	21	9	9	0	0	0	2	–	0	0	–	–	–	
	Kingsway ...	—	—																									7·44	–	
	Bunhill Row ...	—	—																									7·15	129	
	Greenwich (Maritime Museum)	9 9 9	24	75·4	57·4	66·4	–	85	20	49	18	–	–	2·19	102	·65	21	10	9	0	0	2	3	0	0	0	0	6·70	–	
Middlesex	London Airport	21–9 9	82	75·5	56·8	66·1	–	86	20	46	30,31	–	–	1·09	53	·60	12	8	6	0	0	0	3	0	0	0	0	7·74	–	
	Hampton ...	9 9 9	39	75·5	57·5	66·5	–	85	20	45	31	–	–	1·26	–	·50	12	7	7	0	0	0	3	0	0	0	0	7·91	–	
	Wealdstone ...	9 9 9	175	74·8	55·8	65·3	+3·0	86	20	44	30	65·8	58·9	1·91	72	·55	11	8	7	0	0	1	3	1	0	0	0	7·24	–	
	Southgate ...	9 9 9	221	74·9	56·2	65·5	–	84	20,25	47	29,30,31	64·5	–	1·38	–	·34	12	9	7	0	0	0	3	0	0	0	0	6·87	–	S
Surrey	Farnham... ...	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Wisley	9 9 9	150	74·3	54·3	64·3	+2·1	83	20	40	30	65·8	62·5	2·54	117	1·21	9	9	8	0	0	0	4	0	0	0	0	7·25	125	
	Great Bookham	9 9 9	466	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Mickleham ...	9 9 9	179	74·5	51·6	63·1	–	84	20	38	30,31	–	–	1·56	66	·77	12	8	8	0	0	0	2	0	0	1	0	–	–	
	Kew Observatory ¶§	21–9 9	18	74·3	58·0	66·1	+3·4	85	20	49	31	66·6	62·8	1·13	50	·48	12	7	7	0	0	0	3	0	0	0	0	7·74	128	
	Gatwick	21–9 9	194	75·0	52·2	63·6	–	85	26	39	30	–	–	1·15	–	·52	12	8	4	0	0	0	3	1	0	0	0	7·80	–	
	Croydon (Waddon)	9 9 9	220	74·9	55·3	65·1	+2·6	85	20	43	30	–	–	1·02	43	·23	22	9	7	–	–	–	–	0	0	–	–	–	–	
	Addington ...	9 9 9	474	74·2	56·0	65·1	+3·6	84	20	45	29,31	–	–	1·11	44	·30	22	9	7	–	–	–	–	0	0	–	–	–	–	
Kent	Bromley	9 9 9	213	75·2	56·5	65·9	+3·1	88	20	45	31	–	–	1·07	50	·22	11,22	9	8	0	0	0	2	0	0	–	0	–	–	
	Swanley	9 9 9	177	74·7	53·2	63·9	–	84	20,25,26	40	30	64·9	–	·70	–	·19	12	8	6	0	0	0	1	0	0	1	0	6·67	–	
	Dartford	9 9 9	17	75·7	55·1	65·4	–	88	20	45	30	–	–	·52	–	·14	12	7	5	0	–	0	1	0	0	–	0	–	–	
	Tunbridge Wells	9 9 9	351	73·4	53·8	63·6	+2·1	84	20	45	29,30,31	65·8	64·0	1·12	46	·46	13	9	7	0	0	0	2	0	0	0	0	7·66	118	
	West Malling ...	21–9 9	304	73·6	55·6	64·6	–	84	20	47	15	–	–	·82	35	·32	13	8	8	0	0	0	2	0	0	0	0	7·60	–	
	Goudhurst ...	9 9 9	290	73·3	52·0	62·7	–	83	25	39	30	–	–	1·12	41	·47	13	9	6	0	0	0	0	0	0	1	0	–	–	
	East Malling ¶§	9 9 9	122	75·0	53·1	64·1	+2·9	86	20	42	18,30	–	63·0	·84	36	·25	13	11	9	0	0	0	2	0	0	0	0	7·70	124	

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5 ENGLAND, S.E.—cont.																												
Kent—cont. Gillingham ...	9 9 9	14	75·2	57·0	66·1	–	86	25	47	18	–	–	1·91	–	1·12	21	9	8	0	0	0	1	0	0	–	0	7·26	–
Sittingbourne ...	9 9 9	224	72·6	54·3	63·5	–	82	20,26	45	18,30	65·9	63·3	1·05	–	·28	13	10	8	0	0	0	1	1	0	0	0	7·72	–
Isle of Grain ...	9 9 9	9	73·5	60·0	66·7	–	84	25	52	30	–	–	1·22	–	·32	21	8	6	0	0	0	0	0	0	0	0	7·54	–
Throwley ...	9 9 9	493	72·6	54·2	63·4	–	82	20, 24	44	31	65·3	60·9	1·10	–	·43	13	7	7	0	0	0	3	0	0	0	0	8·01	–
Faversham ...	9 9 9	157	72·0	54·8	63·4	–	81	20,25,26	44	18	65·1	62·9	1·21	–	·29	10	10	9	0	0	0	2	0	0	0	0	7·92	–
Dungeness ...	21–9 9	10	71·1	57·7	64·4	–	78	26	46	30	–	–	·74	37	·25	13	8	5	0	0	0	1	1	0	–	0	–	–
Wye	9 9 9	185	72·6	55·2	63·9	+2·2	82	23,24	45	30	–	–	1·22	49	·45	13	10	7	0	0	0	1	3	0	0	0	7·70	120
Whitstable ...	9 9 9	9	73·0	58·2	65·6	–	84	26	51	19,28	–	–	1·02	53	·39	10	9	7	–	–	–	–	–	0	–	–	7·91	–
Folkestone ...	9 9 9	128	72·1	59·8	65·9	–	79	19,26	52	30	–	63·8	1·07	53	·31	10	9	7	0	0	0	0	0	0	–	0	7·68	–
Wingham (Elmstone)	9 9 9	28	–	–	–	–	–	–	–	–	–	–	1·24	–	·26	13	12	9	0	0	0	3	0	–	0	0	–	–
Herne Bay ...	9 9 9	21	73·5	60·0	66·7	–	84	25	51	18	–	–	·84	42	·28	13	10	7	0	0	0	3	0	0	–	0	8·17	–
Dover	9 9 9	19	71·8	59·5	65·7	+3·4	80	26	52	18,30	68·4	66·3	1·22	55	·43	8	11	5	0	0	0	2	0	0	0	0	7·89	– S
Ramsgate ...	9 9 9	80	70·8	60·9	65·9	–	81	26	54	15	–	–	2·03	96	·87	21	11	7	0	0	0	2	0	0	–	–	7·93	120
Margate	9 9 9	51	70·2	61·1	65·7	+2·2	80	25	53	30	66·6	63·7	3·14	164	1·43	21	12	10	0	0	0	2	1	0	0	0	8·10	116
Sussex Thorney Island ...	21–9 9	10	73·7	56·1	64·9	–	83	25	45	30	–	–	3·02	–	1·47	9	6	5	0	0	0	3	0	0	0	0	7·84	–
Bognor Regis ...	9 9 9	24	71·1	57·9	64·5	+2·4	79	25	49	30	–	63·4	1·58	68	·57	9	6	4	0	0	0	0	0	0	0	0	8·01	118
Fernhurst ...	9 9 9	188	73·8	52·8	63·3	–	83	26	42	30	66·1	–	2·60	–	·81	9	7	5	0	0	0	4	0	0	0	0	8·05	–
Littlehampton ...	9 9 9	15	72·1	57·5	64·8	+2·8	80	26	48	30	–	64·5	1·34	59	·50	9	4	4	0	0	0	0	0	0	–	0	8·17	119
Worthing ...	9 9 9	25	72·2	59·0	65·6	+3·0	79	8,26	50	30	65·5	62·7	1·12	49	·41	12	5	4	0	0	0	3	0	0	0	0	8·29	118
Brighton ...	9 9 9	32	72·4	59·4	65·9	–	83	19	52	17,31	–	64·6	·78	34	·35	12	6	4	0	0	0	0	0	0	0	0	7·68	–
East Grinstead ...	9 9 9	440	74·5	52·7	63·6	–	84	20,26	42	18	–	62·2	·94	–	·37	13	7	6	0	0	0	3	–	0	0	0	–	–
Seaford	9 9 9	45	71·4	57·3	64·3	–	81	19,20	47	30	–	–	·93	37	·27	13	6	5	–	–	–	–	0	0	–	–	7·60	–
Eastbourne ...	9 9 9	35	71·2	58·6	64·9	+2·4	76	8,25,26	50	30	66·9	63·8	1·01	41	·52	13	8	5	0	–	0	1	0	0	0	–	7·95	110
Eastbourne (C/guard)	21–9 9	17	72·3	57·5	64·9	–	79	8	48	30	–	–	1·00	–	·51	13	8	6	0	0	0	1	0	0	0	0	–	–
Hankham ...	9 9 9	68	73·5	55·0	64·3	–	81	8,19,20	42	30	63·6	60·9	·92	–	·51	13	7	4	0	0	0	1	0	0	1	0	7·97	–
Bexhill	9 9 9	14	70·7	58·6	64·7	+2·5	79	20	50	30	65·9	–	·59	26	·26	13	7	4	0	0	0	0	1	0	0	0	7·38	–
Sedlescombe ...	9 9 9	175	72·5	55·4	63·9	–	82	20	46	17	–	–	·93	–	·42	13	9	6	0	0	0	1	0	0	0	0	–	–
Bodiam	9 9 9	73	74·5	52·6	63·5	–	83	23, 26	41	18	65·5	61·3	·67	–	·38	13	7	4	0	0	–	–	0	0	0	–	7·53	–
Hastings ¶§	9 9 9	149	72·2	59·0	65·6	+3·6	81	19,20	48	30	68·4	64·5	·52	23	·28	13	8	4	0	0	0	0	0	0	0	0	7·69	110
Berkshire Abingdon ...	21–9 9	210	74·4	54·3	64·3	–	84	20	42	30	–	–	1·93	92	·63	10	7	7	0	0	0	3	0	0	0	0	7·90	–
Woolhampton ...	9 9 9	370	72·9	54·0	63·5	–	81	8,20	44	29,31	66·3	–	1·96	85	·46	10	7	6	0	0	0	4	1	0	0	0	–	–
Shinfield	9 9 9	200	73·6	54·7	64·1	+2·3	83	20	43	30	–	–	1·37	–	·36	10	8	6	0	0	0	3	0	0	0	0	8·39	–
Reading ... *	9 9 9	148	74·6	56·0	65·3	+2·8	84	20	46	30	67·3	64·5	1·16	53	·30	12	8	7	–	–	–	–	–	0	0	–	7·30	–
Finchampstead ...	9 9 9	212	–	–	–	–	–	–	–	–	–	–	1·65	–	·46	12	7	7	0	0	0	2	–	0	0	0	–	–
Wokingham ...	9 9 9	200	74·2	52·9	63·5	–	84	20	37	30	65·5	61·9	1·29	–	·48	12	7	6	0	0	0	3	0	0	–	–	–	–
Hurley	9 9 9	140	74·0	53·9	63·9	–	84	20	41	30	66·6	–	1·55	–	·41	10	8	7	0	0	0	1	0	0	0	0	7·61	–
Hampshire Bournemouth ...	9 9 9	130	71·5	55·1	63·3	+0·9	80	26	46	29,30	64·8	62·5	2·48	100	·85	11	8	6	0	0	0	3	1	0	0	0	7·54	115
Christchurch ...	9 9 9	9	73·5	54·2	63·9	–	85	25	42	31	–	–	1·53	–	·66	12	7	7	0	0	0	3	1	0	0	0	–	–
Ringwood ...	9 9 9	250	73·7	54·6	64·1	–	82	8,26	44	30	64·5	60·7	2·75	–	·83	8	9	7	0	0	0	5	0	0	0	0	–	–
Everton (Efford)	9 9 9	51	72·5	55·4	63·9	–	82	8	45	30	–	–	1·95	–	·66	11	8	6	0	0	0	4	0	0	0	0	7·96	–
Southampton ¶§	9 9 9	65	75·6	56·0	65·8	+3·1	85	25	45	30	66·9	64·0	1·55	60	·55	12	9	5	0	0	0	2	0	0	0	0	7·91	124
Leckford... ...	9 9 9	385	73·3	53·6	63·5	–	81	19,20	42	30	63·5	–	–	–	–	–	–	–	0	–	–	0	0	–	–	–	–	–
Winchester ...	9 9 9	124	74·3	52·4	63·3	–	83	25,26	39	30	–	57·2	2·15	83	·59	12	8	7	0	0	0	4	0	0	0	0	6·81	–
Martyr Worthy ...	9 9 9	275	72·9	52·8	62·9	–	81	8,19,20	41	30	–	–	2·29	–	·77	9	6	6	0	0	0	2	0	0	0	0	7·29	–
Southsea ...	9 9 9	7	71·7	59·5	65·6	+2·0	82	26	52	29,30,31	67·6	65·3	2·51	115	·66	10	7	5	0	0	0	2	0	0	0	0	7·95	117
Hayling Island ...	9 9 9	13	72·0	57·5	64·7	–	81	25,26	47	30	–	–	4·27	–	2·03	9	7	4	0	0	0	2	0	0	–	0	8·25	–
Long Sutton ...	9 9 9	512	72·4	54·3	63·3	+2·0	81	20	42	30	64·5	–	2·87	116	·96	9	8	6	0	0	0	4	0	0	0	0	7·46	121
Alice Holt Lodge	9 9 9	378	73·5	53·4	63·5	–	82	20,25,26	43	30	–	–	2·33	95	·67	12	8	6	0	0	0	2	0	0	0	0	7·13	–
S. Farnborough ...	21–9 9	226	73·9	54·4	64·1	+2·3	84	20	41	30	–	–	1·58	70	·52	12	8	6	0	0	0	2	1	0	0	0	7·58	122
Blackbushe ...	21–9 9	325	73·7	55·1	64·4	–	83	20	43	30	–	–	1·83	–	·60	12	6	6	0	0	0	2	1	0	0	0	–	–
I. of Wight St. Catherine's Pt.	9 9 9	51	69·1	59·9	64·5	+3·2	76	8	50	29	–	–	2·26	106	·71	12	8	7	0	0	0	2	0	0	–	0	–	–
Ventnor Park ...	9 9 9	443	70·9	58·5	64·7	–	80	25	51	29,30	66·3	61·8	1·54	65	·78	12	8	7	0	0	0	2	0	0	0	0	8·31	–
Shanklin	9 9 9	180	69·6	56·7	63·1	–	79	25	46	30	–	–	2·23	–	·77	12	8	6	0	0	0	2	1	0	–	0	8·67	–
Sandown ...	9 9 9	13	72·5	58·4	65·5	+2·7	80	25	51	29	–	–	2·21	100	·68	13	6	5	0	0	0	3	0	0	–	–	8·19	117
Ryde	9 9 9	15	72·1	59·3	65·7	+2·7	81	25	52	17	–	–	1·94	85	·67	12	8	6	0	0	0	2	0	0	–	0	8·06	114
Wiltshire Lacock (Lackham)	9 9 9	160	72·2	51·9	62·1	–	81	20	37	30	–	–	1·78	–	·43	11	9	6	0	0	0	0	0	0	–	0	–	–
West Lavington	9 9 9	305	74·0	51·4	62·7	–	81	20	37	30	–	–	1·40	55	·35	13	11	6	0	0	0	2	0	0	–	0	–	–
Lyneham ...	21–9 9	457	70·8	54·7	62·7	–	81	20	43	30	–	–	1·59	64	·57	11	8	6	0	0	0	3	1	0	0	0	7·18	–
Larkhill	9 9 9	431	71·9	53·8	62·9	+2·5	80	20	43	29	–	–	2·24	100	·83	11	10	8	0	0	0	3	0	0	0	0	–	–
Boscombe Down	21–9 9	414	72·7	54·7	63·7	–	81	20	44	30	–	–	1·48	64	·33	12	10	6	0	0	0	4	0	0	0	0	7·35	–
Upavon	21–9 9	578	71·5	55·1	63·3	–	80	20	46	29	–	–	1·66	–	·37	9,12	10	7	0	0	0	4	0	0	0	0	–	–
Porton ... ¶§	9 9 9	362	72·8	52·9	62·9	+2·6	81	20	41	30,31	62·4	–	1·47	63	·36	13	10	7	0	0	0	4	0	0	0	0	7·30	119
7a ENGLAND, N.W.																												
Cumberland Sellafield ...	9 9 9	43	68·6	55·7	62·1	–	80	20	45	31	–	–	·41	10	·17	23	4	3	–	0	–	–	0	0	0	–	6·04	–
Silloth	21–9 9	25	67·4	53·6	60·5	–	84	21	40	17	–	–	·72	19	·52	23	4	2	0	0	0	2	0	0	0	0	6·05	–
Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Newton Rigg ...	9 9 9	560	68·0	51·0	59·5	+2·0	81	21	39	17	–	–	·60	18	·21	15	6	4	0	0	0	0	0	0	0	0	5·59	118
Westmorland Ambleside ...	9 9 9	151	69·8	52·1	60·9	–	84	21	39	17	–	–	·99	16	·40	13	6	5	0	0	0	1	0	0	–	0	5·50	–
Moor House ...	9 9 9	1840	61·5	46·5	54·0	–	75	21	31	31	54·9	–	1·38	–	·62	13	10	8	0	0	0	1	2	1	5	0	5·01	–
Lancashire Barrow-in-Furness	9 9 9	55	67·8	56·0	61·9	–	83	21	45	31	–	–	·29	–	·16	2	3	2	0	0	0	1	0	0	–	0	–	–
Squires Gate ...	21–9 9	33	69·4	54·2	61·8	–	84	20,21	39	17	–	–	·33	9	·21	2	4	2	0	0	0	1	0	0	0	0	6·85	–
Urswick	9 9 9	130	70·6	53·0	61·8	–	84	21	41	31	–	–	·30	–	·13	2,13	5	2	0	0	0	1	0	0	–	0	–	–
Poulton-le-Fylde	9 9 9	38	69·0	54·5	61·7	–	84	20	40	30	–	–	·40	–	·24	2	4	3	0	0	0	0	0	0	–	0	–	–
Speke	21–9 9	80	70·5	56·7	63·6	–	84	21	46	29	–	–	·98	–	·49	21	5	4	0	0	0	2	0	0	0	0	6·00	–
Kirkham ...	9 9 9	77	69·7	53·2	61·5	–	84	20,21	37	29	–	–	·53	14	·38	2	3	3	0	0	0	0	0	0	0	0	6·41	–
Garstang ...	9 9 9	68	68·2	53·4	60·8	–	83	20	38	29	–	–	·28	–	·10	13,14	3	3	0	0	0	0	0	0	0	0	6·38	–
Morecambe ...	9 9 9	24	69·4	57·0	63·2	+2·8	85	20	47	17,29,31	–	–	·33	8	·20	13	4	3	0	0	0	0	0	0	–	0	6·46	117
Preston (Moor Pk.)	9 9 9	108	69·6	54·1	61·9	–	83	20,21	38	29	–	–	·64	15	·29	2	7	4	0	0	0	2	0	0	0	0	–	–
Bolton	9 9 9	352	70·2	53·1	61·7	+2·1	84	20	39	29	61·1	58·8	·52	–	·36	2	3	2	0	0	0	0	0	0	1	0	6·33	140

* Sunshine recordcr is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a ENGLAND, N.W.—cont																												
Lancashire— cont. Darwen	9 9 9	724	69·0	51·8	60·4	+1·8	83	20	39	29	62·0	–	·87	16	·33	2	7	5	0	0	0	0	0	0	0	0	–	–
Stonyhurst ¶§	9 9 9	377	68·5	53·8	61·1	+2·2	83	21	43	17,29	–	–	·55	11	·15	2	6	5	0	0	0	1	0	0	0	0	5·51	112
Helmshore	9 9 9	854	67·0	52·7	59·9	–	80	21	38	16	59·8	–	·63	–	·28	13	6	2	0	0	0	0	0	0	1	0	5·58	–
Burnley	9 9 9	458	69·3	52·5	60·9	+2·3	81	20,21	35	29	61·8	58·6	·73	18	·22	13	7	5	0	0	0	0	0	0	3	0	–	–
Nelson	9 9 9	540	67·9	52·9	60·4	–	81	20,21	38	29	62·0	57·8	·62	14	·21	13	8	4	–	–	–	–	0	0	0	–	5·19	– S
Rochdale	9 9 9	362	70·0	51·9	60·9	–	82	21	39	29	–	–	·51	–	·30	2	4	2	0	0	0	0	0	0	0	0	5·75	–
Cheshire West Kirby Park	9 9 9	17	69·6	56·5	63·1	–	80	19,20	42	29	–	–	1·17	–	·83	9	7	6	0	0	0	2	–	0	0	0	6·70	–
Bidston Obs'y. ¶§	9 9 9	198	67·7	56·7	62·2	+2·3	82	20	47	29	–	–	2·22	71	1·33	9	8	4	0	–	1	2	0	0	0	0	6·56	119
Wallasey	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Northwich(Winnington)	9 9 9	65	72·8	56·5	64·7	–	87	20	45	29	–	–	·57	18	·30	21	6	4	0	0	0	2	0	0	0	0	–	–
Manchester Airport ¶§	21–9 9	248	71·9	55·0	63·5	+4·5	85	20,21	41	29	–	–	·46	14	·15	13	5	4	0	0	0	1	0	0	0	0	6·10	134
Macclesfield	9 9 9	500	70·2	54·4	62·3	+2·7	84	20	40	29	–	–	·51	14	·20	13	6	3	0	0	0	1	0	0	–	0	–	–
7b NORTH WALES																												
Flint Rhyl	9 9 9	31	68·8	55·3	62·1	+1·7	82	20	44	29, 30	–	–	·80	32	·30	9	8	5	0	0	0	1	0	0	0	0	6·46	118
St. Asaph	9 9 9	75	70·4	53·7	62·1	–	83	20	41	29	–	–	·52	–	·25	9	6	5	0	–	0	2	1	0	0	–	–	–
Prestatyn	9 9 9	12	68·9	55·5	62·2	–	81	20	44	29	–	–	·83	31	·28	9	9	7	0	0	0	2	1	0	–	0	6·12	–
Hawarden Bridge	9 9 9	17	71·5	54·7	63·1	+2·4	82	20	39	17	–	–	1·76	66	1·00	21	6	5	0	0	0	2	0	0	–	0	–	–
Anglesey Holyhead (Valley)	21–9 9	26	68·5	55·2	61·9	+2·3	79	19	43	30	–	–	·19	7	·05	9	7	3	0	0	0	1	0	0	0	1	6·99	124
Denbigh Colwyn Bay	9 9 9	118	68·8	57·0	62·9	+2·4	81	19	50	16,29,31	–	–	·72	28	·50	9	6	5	0	0	0	0	0	0	–	0	7·07	134
Alwen	9 9 9	1100	67·7	46·7	57·2	–	76	21	27	29	–	–	1·29	–	·35	9	10	8	–	–	–	–	–	2	3	–	–	–
Bwlchgwyn	9 9 9	1267																										
Ruabon	9 9 9	312	70·6	53·6	62·1	–	81	21	41	29	–	–	·86	–	·25	13	8	6	0	0	0	1	2	0	0	0	5·95	–
Wrexham	9 9 9	275	70·8	54·1	62·5	–	82	21	41	29	61·9	60·1	·97	–	·47	9	6	6	0	0	0	1	2	0	0	0	–	–
Caernarvon Bryn Adda	9 9 9	275	67·9	55·2	61·5	–	77	19	48	29, 30	–	–	·70	–	·25	9	8	6	0	0	0	0	0	0	0	2	6·18	–
Aber	9 9 9	60	68·7	55·2	61·9	+1·8	80	19	47	31	–	–	·55	15	·12	13	10	6	0	0	0	0	0	0	–	0	6·59	133
Llandudno ¶§	9 9 9	13	67·9	56·8	62·3	+1·7	81	19	47	29, 31	–	–	·68	27	·48	10	7	3	0	0	0	0	0	0	–	0	6·80	126
Merioneth Harlech	21–9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Blaenau Ffestiniog	9 9 9	750	67·6	54·5	61·1	–	78	20	46	29	–	–	1·82	–	·82	23	11	6	0	0	0	0	3	0	–	0	4·87	–
Corwen	9 9 9	473	–	50·9	–	–	–	–	34	30	–	–	2·01	–	1·29	11	7	5	0	0	0	1	–	0	0	–	–	–
Montgomery Lake Vyrnwy	9 9 9	995	67·5	51·3	59·4	–	77	21	39	29	–	–	1·81	36	·51	21	10	9	0	0	1	2	0	0	0	0	–	–
8a SOUTH WALES																												
Cardigan Aberporth	21–9 9	376	66·2	55·5	60·9	–	78	19	46	30	–	–	·68	20	·43	21	4	3	0	0	0	2	0	0	0	1	6·93	–
Aberystwyth	9 9 9	12	68·7	56·6	62·7	–	80	19	45	30	–	–	1·79	–	1·23	20	9	5	0	0	0	2	0	0	–	1	6·88	128
,, P.B.S.*	9 9 9	452	67·7	55·5	61·6	–	80	19	46	29	–	–	1·05	–	·63	20	12	5	0	0	0	1	0	0	0	0	6·76	132
Gogerddan	9 9 9	103	69·3	54·1	61·7	–	80	9, 19	41	30	–	–	1·10	29	·50	20	11	5	0	0	0	1	0	0	0	0	7·01	–
Swyddffynnon	9 9 9	540	69·1	51·2	60·1	–	79	19, 20	43	1, 3, 29	–	–	1·89	–	1·60	20	9	5	0	0	0	1	0	0	0	0	–	–
Trawscoed	9 9 9	200	70·5	52·1	61·3	–	79	19	40	29	–	–	1·84	44	·99	20	13	7	0	0	0	1	0	0	0	0	6·44	–
Llety-evan-hen	9 9 9	950	65·6	52·2	58·9	–	76	19	40	29	–	–	1·31	–	·33	20	12	8	0	0	0	1	0	0	0	0	5·96	–
Pembroke Dale Fort	9 9 9	109	69·2	57·3	63·3	–	78	9	50	29, 30	–	–	·65	–	·36	20	7	4	0	0	0	3	0	0	0	1	7·76	–
Brawdy	9 9 9	360	66·6	54·6	60·6	–	77	19	47	29, 30	–	–	2·74	–	2·21	10	10	7	0	0	0	2	0	0	–	0	6·90	–
Milford Haven	9 9 9	179	69·3	56·0	62·7	–	77	20	48	29, 30	–	–	1·21	–	·27	20	8	6	0	0	0	2	0	0	–	0	7·49	–
Haverfordwest	9 9 9	131	69·9	54·7	62·3	+2·8	78	8, 9,	43	30	–	–	2·26	59	·89	10	7	6	0	0	0	2	0	0	–	0	–	–
Radnor Llandrindod Wells ¶§	9 9 9	772	69·5	50·8	60·1	+1·5	77	20	39	30	–	–	·48	15	·16	20	8	5	0	0	0	0	0	0	–	0	6·48	127
Brecknock Llwynon	9 9 9	860	68·7	50·8	59·7	–	78	20	42	30	–	–	1·29	–	·42	13	12	8	0	0	0	2	0	0	–	0	–	–
Glamorgan Mumbles Head	21–9 9	117	69·0	57·2	63·1	–	77	8	50	4, 16	–	–	–	–	–	–	–	–	0	0	0	5	0	0	0	1	–	–
Swansea	9 9 9	27	70·9	58·3	64·6	+2·5	78	19, 20	50	29	68·0	64·9	1·85	48	·76	9	10	8	0	0	0	2	0	0	0	1	6·86	120
Port Talbot	9 9 9	24	72·2	56·7	64·5	–	84	20	45	30	–	–	1·60	–	·32	13	12	8	0	0	0	3	0	0	0	–	5·54	– S
Neath	9 9 9	153	70·6	56·8	63·7	–	79	19	48	29,30	–	–	1·35	–	·33	9,13	11	7	0	0	0	2	0	0	0	0	–	–
Rhoose	21–9 9	220	69·2	54·9	62·1	–	80	20	43	30	–	–	3·91	115	2·81	10	11	7	0	0	0	3	0	0	0	0	6·81	–
Cardiff ¶§	9 9 9	202	71·3	56·0	63·7	+2·6	81	20	46	30	66·2	62·3	2·75	71	1·44	10	11	10	0	–	0	4	0	0	0	–	6·36	106
Monmouth Tredegar	9 9 9	1028	68·4	51·8	60·1	–	77	20	41	29	–	–	1·52	–	·70	13	10	7	0	0	0	2	5	0	0	0	6·21	– S
Newport	9 9 9	75	71·7	55·5	63·6	–	80	19, 20	46	29	–	–	1·85	49	·80	10	11	8	0	0	0	3	0	0	–	0	6·11	–
Usk	9 9 9	70	72·4	50·7	61·5	–	80	19	39	30	65·7	–	1·55	45	·49	13	7	5	0	0	0	0	3	0	0	0	6·09	–
Crumbland Plantation	9 9 9	804	68·9	54·0	61·5	–	77	20	43	29	63·0	60·8	1·60	–	·47	13	11	7	0	0	0	2	3	0	0	0	6·97	–
8b ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9 9 9	1030	66·2	52·4	59·3	–	74	26	44	17	–	–	4·90	–	4·11	10	7	7	–	0	–	1	0	0	0	–	–	–
Bickenhall	9 9 9	231	72·0	52·5	62·3	–	82	20	41	30	–	–	1·46	–	·56	10	9	6	–	–	–	–	–	0	–	–	–	–
Cannington	9 9 9	95	71·9	56·1	64·0	–	82	20	52	31	–	–	1·39	49	·87	10	8	4	0	0	0	2	0	0	0	0	6·88	–
Weston-s.-Mare	9 9 9	28	71·1	56·9	64·0	–	81	20	47	29, 30	–	–	3·09	89	1·95	10	9	7	0	0	0	3	0	0	0	0	6·70	112
Long Ashton	9 9 9	162	71·7	54·8	63·3	+2·1	82	20	42	30	64·6	–	1·36	38	·54	12	11	6	0	0	0	4	0	0	0	0	6·38	107
Bath ¶§	9 9 9	67	73·0	55·6	64·3	+2·2	82	20	41	30	66·4	63·3	2·16	76	·79	10	9	6	0	0	1	3	1	0	0	–	6·89	119
Dorset Portland Bill	21–9 9	35	68·4	59·7	64·1	+2·7	75	26	52	29	–	–	1·13	59	·33	12	6	4	0	0	0	1	0	0	–	1	–	–
Weymouth	9 9 9	16	72·0	57·5	64·7	+2·1	82	26	50	29, 30	–	–	1·49	68	·47	12	6	6	0	0	0	1	0	0	–	0	7·50	111
Shaftesbury	9 9 9	680	71·8	53·9	62·9	+2·9	79	25, 26	45	29, 30	–	–	1·31	47	·63	9	8	6	–	–	–	–	1	0	–	–	–	–
Swanage	9 9 9	37	69·8	56·5	63·1	–	80	25	49	30	–	64·2	1·20	–	·40	12,13	7	6	0	–	0	2	0	0	0	0	7·55	–
Poole	9 9 9	18	73·8	53·9	63·9	–	84	25, 26	47	17,29,30	–	–	2·43	–	·84	11	8	6	0	0	0	2	0	0	–	0	7·46	–
Devon Hartland Pt.	21–9 9	298	66·0	58·2	62·1	–	78	19	50	30	–	–	1·52	–	·71	20	11	8	0	0	0	2	2	0	0	1	7·02	–
Plymouth (Mt. Batten)	21–9 9	87	70·0	56·5	63·3	+2·4	79	8	49	16,17,30	–	–	2·92	101	1·73	10	5	5	0	0	0	1	0	0	0	0	7·84	127
Plymouth (The Hoe)	9 9 9	119	70·6	56·6	63·6	+2·0	79	8	50	17, 30	65·1	62·6	3·46	120	2·20	10	5	5	0	0	0	1	1	0	0	0	7·64	122
Tavistock	9 9 9	457	–	–	–	–	–	–	–	–	–	–	1·76	–	·54	14	8	6	–	–	–	–	0	–	–	–	–	–
Chivenor	21–9 9	20	70·6	56·5	63·5	–	80	8, 19	48	30	–	–	1·19	–	·44	20	10	5	0	0	0	2	0	0	0	0	7·29	–
Ilfracombe	9 9 9	25	68·3	59·4	63·9	+2·3	79	19	53	30	66·7	63·4	1·06	34	·23	10	7	6	0	0	0	0	0	0	0	0	7·35	122
Princetown	9 9 9	1359	65·9	52·7	59·3	–	74	8, 20	45	29	–	–	3·28	49	·97	13	10	8	0	0	0	0	1	0	0	0	–	–
**Totnes	9 9 9	120	71·8	50·5	61·1	–	80	26	40	30	63·9	59·9	2·87	82	·97	10	5	5	0	0	0	3	1	0	1	0	7·65	–
†Newton Abbot	9 9 9	272	71·0	54·6	62·8	+1·6	79	26	47	14, 17	–	–	3·08	105	1·13	10	6	6	0	0	0	2	2	0	0	0	7·94	132
Paignton	9 9 9	8	70·8	55·6	63·2	–	77	5, 26	49	15, 17	–	–	2·34	80	·81	10	6	5	0	0	0	1	0	0	–	0	8·29	127
Torquay	9 9 9	26	70·4	56·2	63·3	+1·2	79	26	49	30	–	64·7	2·54	96	1·01	10	6	6	0	0	0	3	2	0	0	0	8·58	128
Teignmouth ¶§	9 9 9	20	71·2	57·4	64·3	+2·0	80	26	50	17	–	–	3·04	124	1·79	10	7	6	0	0	0	3	0	0	0	0	7·36	112

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER AUGUST 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation (Max., Min., Rain)	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																												
Devon—cont. Starcross... ...	9 9 9	29	70·1	54·7	62·4	–	79	26	44	30	–	–	2·79	–	1·35	10	6	6	0	0	0	1	1	0	0	0	7·53	–
Exmouth ...	9 9 9	195	69·8	55·0	62·4	+1·4	80	26	44	30	–	–	3·03	114	1·46	10	6	6	0	0	0	3	2	0	–	0	7·17	116
Exeter	21–9 9	106	71·3	53·9	62·6	–	79	8	43	30	–	–	3·17	117	2·38	10	6	5	0	0	0	4	0	0	0	0	6·64	–
Ufficulme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sidmouth ...	9 9 9	25	70·7	56·2	63·5	+2·4	79	26	46	30	–	–	1·74	–	·93	10	6	6	–	0	–	–	0	0	0	–	7·22	–
Cornwall St. Mary's, Scilly	21–9 9	158	69·2	58·6	63·9	+2·8	73	6,27	56	4,14,31	–	–	·98	39	·41	11	6	5	0	0	0	0	1	0	–	1	6·75	104
Penzance ...	9 9 9	62	69·8	57·3	63·5	+1·8	76	8	50	17,30,31	–	–	1·30	44	·52	11	5	4	0	0	0	1	0	0	–	0	7·77	122
Gulval	9 9 9	50	70·0	57·5	63·7	+2·6	76	9	53	4,30	–	–	1·28	–	·44	11	5	5	0	0	0	0	0	0	–	0	7·26	115
Camborne (Rosewarne)	9 9 9	250	67·8	56·9	62·3	–	74	8	49	30	–	61·7	3·18	–	1·23	10	9	7	0	0	0	1	1	0	0	0	6·45	–
Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Falmouth ¶§	9 9 9	167	68·5	57·4	62·9	+1·2	77	26	50	30	–	–	3·21	105	1·61	10	6	6	0	0	0	1	0	0	0	0	7·03	111
Newquay ...	9 9 9	176	67·0	56·5	61·7	+1·0	74	19	48	30	–	–	6·28	234	4·62	10	9	7	0	–	0	1	–	0	–	0	6·68	109
St. Mawgan ...	21–9 9	337	67·3	56·2	61·7	–	76	8,9	48	30	–	–	6·52	–	4·78	10	8	7	0	0	0	4	2	0	0	0	7·03	–
St. Austell ...	9 9 9	310	69·7	56·5	63·1	–	78	8,26	49	15	–	–	6·54	182	4·39	10	7	7	0	0	0	2	3	0	–	0	–	–
Fowey	9 9 9	51	70·8	57·1	63·9	+2·3	80	26	50	16,30	–	–	5·13	–	3·65	10	7	5	0	0	0	3	1	0	–	0	–	–
Bude	9 9 9	50	68·6	55·0	61·8	+1·4	79	19	43	30	–	–	2·27	80	·90	10	11	6	0	0	0	3	–	0	–	0	6·88	115
Ellbridge ...	9 9 9	190	70·7	53·7	62·2	–	79	8,26	44	17	–	–	2·60	–	1·22	10	5	5	0	0	0	2	0	0	0	0	6·94	–
NORTHERN IRELAND																												
Londonderry Ballykelly ¶§	21–9 9	3	66·7	54·0	60·3	+2·0	75	25	39	13	–	–	·89	27	·26	2	11	7	0	0	0	0	0	0	0	0	5·00	112
Garvagh ¶	9 9 9	121	67·6	52·9	60·3	+3·0	76	25	37	13	62·6	–	1·08	27	·28	2	10	7	0	0	0	0	0	0	1	1	–	–
Antrim Aldergrove ¶§	21–9 9	217	66·6	53·0	59·8	+2·0	74	18	37	29	–	–	·91	28	·33	2	7	5	0	0	0	1	0	0	2	1	4·95	115
Nutts Corner ...	21–9 9	338	66·8	52·8	59·8	–	73	27	38	29	–	–	1·01	–	·31	13	10	5	0	0	0	2	0	0	0	–	–	–
Parkmore Forest	9 9 9	779	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Down Hillsborough §	9 9 9	388	67·3	52·6	59·9	–	74	9	41	13,29	60·2	–	·92	28	·36	13	9	5	0	0	0	1	0	0	0	1	4·98	114
Kilkeel	21–9 9	59	66·2	54·7	60·5	–	74	21	43	13	–	–	·67	–	·30	20	7	4	0	0	0	0	0	0	0	0	–	–
Belfast (Stormont Castle) ...	9 9 9	200	67·5	53·8	60·7	–	74	25,27	42	30	–	–	1·26	–	·37	13	6	5	0	0	0	2	–	0	–	0	–	–
Armagh Armagh ... ¶§	9 9 9	205	68·7	53·3	61·0	+2·5	76	20,27	41	13,29	64·0	61·4	1·02	30	·37	13	9	5	0	0	0	0	0	0	0	2	4·57	107
Loughgall ...	9 9 9	91	67·4	51·8	59·6	–	74	20,27	37	13,29	–	–	·97	–	·33	13	8	5	0	0	0	0	–	0	2	1	4·19	–
Fermanagh Ely Lodge ...	9 9 9	165	67·0	53·0	60·0	–	74	9	38	13	63·6	59·2	1·73	–	·72	13	11	7	0	0	0	0	0	0	0	0	–	–
CHANNEL ISLES																												
Guernsey States Airport ...	9 9 9	340	67·8	58·2	63·0	–	79	19	55	2,4	65·4	62·7	3·42	142	1·09	20	6	6	0	0	0	3	1	0	0	0	8·02	–
Alderney States Airport ...	9 9 9	288	66·8	57·9	62·3	–	74	20	53	17	63·9	–	2·58	–	·85	11	7	6	0	0	0	3	1	0	–	0	8·21	–
Jersey Jersey Airport ...	9 9 9	273	69·9	58·9	64·4	–	81	19	54	30	–	–	1·84	75	·92	20	7	5	0	0	0	3	0	0	0	0	7·66	–
St. Helier ...	9 9 9	28	72·4	60·5	66·5	–	84	19	56	16	–	–	1·90	84	1·12	20	7	5	0	0	0	2	0	0	–	0	7·99	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12): Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
0 SCOTLAND, N.	3	272	1015·0	–	51·9	0·9	12·5	94	6·2	0	5	2	11	11	2	1	0	1	0	0	0	5	6	9	9	0	3	12	14	2	2	0	2	2	9	3	7	4
Zetland — Lerwick Observatory H	9	272	1015·3	+4·8	55·3	1·9	13·2	88	6·8	0	3	0	15	9	4	0	4	0	0	1	1	5	3	4	13	0	5	18	6	2	0	2	0	2	9	5	7	4
	15	272	1015·6	–	56·4	2·3	13·3	86	6·7	0	1	5	12	12	1	0	1	0	0	1	3	6	3	7	10	0	3	20	8	0	0	3	1	8	9	5	4
	21	272	1015·8	–	53·0	0·9	12·9	93	6·5	0	4	0	14	11	2	0	2	0	1	0	0	4	10	6	8	0	1	12	16	2	1	2	1	2	6	7	8	2
Orkney — Grimsetter.. H	3	94	1015·4	–	53·0	1·4	12·5	90	6·1	0	5	3	8	14	1	0	1	0	0	2	1	4	2	11	10	0	3	10	18	0	1	1	1	4	7	5	11	1
	9	94	1015·8	–	56·7	2·3	13·5	86	7·0	0	1	2	14	13	1	0	0	1	0	0	0	6	5	9	10	0	3	16	10	2	5	0	0	2	11	3	6	2
	15	94	1016·1	–	59·3	3·5	13·7	79	6·1	1	5	1	14	10	0	0	0	0	0	0	1	4	3	10	13	0	3	19	9	0	4	1	1	3	7	5	6	4
	21	94	1016·2	–	54·6	1·8	13·0	89	6·4	0	3	4	13	11	0	0	0	0	0	1	0	7	5	9	9	0	2	8	20	1	1	1	1	3	8	2	10	4
	3	121	1016·1	–	54·1	1·7	12·7	89	5·9	1	5	2	13	10	0	0	0	0	0	1	3	3	6	12	6	0	1	8	19	3	1	0	0	1	4	8	4	7	4
Caithness — Wick .. H	9	121	1016·4	+5·5	57·4	2·5	13·6	84	6·7	0	2	3	16	10	0	0	0	0	0	1	2	7	5	2	14	0	2	14	14	1	2	0	1	6	7	2	5	7
	15	121	1016·5	–	60·5	4·0	13·9	77	5·9	2	3	3	17	6	0	0	0	0	0	1	1	4	4	6	15	0	3	15	12	1	4	0	3	7	4	0	8	4
	21	121	1016·9	–	55·3	2·3	12·8	85	5·7	1	3	6	15	5	1	0	0	0	2	0	1	3	3	13	9	0	1	7	21	2	1	0	1	7	6	3	7	7
Sutherland — Cape Wrath ..	3	371	1014·6	–	54·8	1·6	13·2	90	6·5	2	1	6	2	15	5	0	3	2	0	0	1	0	2	4	20	0	0	11	15	5	1	0	0	1	7	11	5	1
	9	371	1014·9	–	55·5	1·3	13·9	92	7·1	2	0	2	4	16	7	0	3	3	1	0	0	0	3	5	13	0	1	13	13	4	0	0	0	3	5	11	4	3
	15	371	1015·3	–	57·3	1·8	14·4	90	6·7	1	1	4	12	8	5	0	5	0	0	0	0	5	1	4	16	0	0	13	14	4	0	0	0	3	3	13	6	2
	21	371	1015·4	–	55·5	2·0	13·2	88	6·6	1	2	1	12	11	4	0	2	0	2	0	0	3	1	3	20	0	4	9	15	3	2	0	0	2	6	11	5	2
	3	16	1015·1	–	53·6	0·6	13·5	95	6·7	1	2	1	13	14	0	0	0	0	0	0	1	6	13	10	1	0	2	11	13	5	1	0	2	1	5	8	6	3
Ross & Cromarty — Stornoway H	9	16	1015·6	+5·1	57·3	2·0	14·1	87	6·8	0	1	4	12	14	0	0	0	0	0	1	3	5	6	8	8	0	2	17	9	3	1	1	2	8	8	5	2	2
	15	16	1015·8	–	60·0	3·7	13·9	79	6·4	0	2	4	18	7	0	0	0	0	0	0	0	8	2	5	16	0	4	19	7	1	0	2	3	1	10	5	6	3
	21	16	1016·1	–	55·5	1·7	13·5	89	6·3	0	3	4	15	9	0	0	0	0	0	0	0	6	7	13	5	0	3	11	14	3	1	1	2	1	9	5	7	5
	3	21	1015·1	–	54·9	1·0	13·8	93	6·5	1	1	4	10	15	0	0	0	0	0	2	3	4	12	5	5	0	2	12	14	3	3	0	1	4	5	6	5	2
Inverness — Benbecula.. H	9	21	1015·8	–	57·8	2·2	14·2	87	6·5	0	3	2	16	10	0	0	0	0	0	3	2	3	6	3	14	0	3	13	15	0	2	1	1	1	9	10	2	5
	15	21	1016·0	–	59·5	2·7	14·6	85	6·4	0	4	1	16	10	0	0	0	0	0	4	0	2	7	3	15	0	3	17	11	0	1	1	1	1	8	8	9	2
	21	21	1016·0	–	55·9	1·2	14·0	92	6·5	1	1	5	9	14	1	0	1	0	0	0	1	4	8	9	8	0	4	11	14	2	5	0	2	4	6	6	4	2
1 SCOTLAND, E.	3	19	1015·8	–	56·2	2·6	13·0	83	6·5	1	1	3	19	7	0	0	0	0	0	0	1	3	6	11	10	0	0	7	23	1	1	2	2	4	6	9	4	2
Moray — Kinloss .. H	9	19	1016·2	–	60·9	4·5	13·7	75	6·0	0	4	4	18	5	0	0	0	0	0	0	0	3	5	6	17	0	2	13	16	0	5	0	2	1	6	9	6	2
	15	19	1016·0	–	65·6	7·3	13·5	63	6·2	0	0	2	20	3	0	0	0	0	0	0	0	1	4	6	20	0	3	12	16	0	7	0	2	2	3	7	5	1
	21	19	1016·5	–	58·9	3·5	13·4	79	6·3	1	3	1	20	6	0	0	0	0	0	0	0	6	5	6	14	0	1	11	19	0	1	2	5	2	7	8	2	4
	3	193	1017·4	–	54·0	1·6	12·8	90	5·9	1	3	7	10	6	4	0	1	1	2	0	3	4	13	3	4	0	0	4	12	15	2	0	0	1	4	2	4	3
Aberdeen — Dyce .. H	9	193	1017·7	+5·9	60·6	4·3	13·7	75	6·6	0	1	2	22	6	0	0	0	0	0	2	4	7	10	8	0	0	9	18	4	2	1	1	2	6	3	4	4	8
	15	193	1017·3	–	65·3	7·2	13·6	64	6·0	1	3	3	20	4	0	0	0	0	0	0	0	5	7	9	10	0	0	2	9	20	0	3	0	0	2	9	4	2
	21	193	1017·9	–	57·2	1·2	13·9	86	6·4	0	2	4	17	8	0	0	0	0	0	2	3	8	11	4	3	0	1	3	15	12	5	0	0	2	3	5	1	2	4
	3	108	1016·7	–	54·3	1·3	13·2	91	6·0	0	4	1	19	4	3	0	0	4	0	0	1	0	3	13	10	0	0	1	7	20	3	2	0	0	1	11	0	8	2
	9	108	1016·9	–	58·1	2·8	13·8	83	6·3	0	3	2	21	4	1	0	1	0	0	1	1	1	8	19	0	0	2	7	21	1	5	0	0	1	2	9	3	9	2
Rattray Head ..	15	108	1017·0	–	60·5	4·0	13·9	77	5·3	0	4	9	15	3	0	0	0	0	0	1	0	3	4	23	0	0	1	9	21	0	8	1	0	6	1	8	1	5	1
	21	108	1017·0	–	56·5	2·1	13·6	87	5·9	0	3	7	14	6	1	0	0	0	1	4	0	1	10	16	4	0	1	10	16	4	4	1	0	2	1	4	3	1
	3	36	1016·9	–	55·8	2·0	13·5	87	5·3	3	4	8	5	10	1	0	0	0	1	1	2	6	4	9	7	0	2	3	20	6	4	1	2	2	1	0	5	13	1
Fife — Leuchars .. H	9	36	1017·5	+5·4	60·5	4·2	13·8	76	6·5	0	2	5	15	9	0	0	0	0	0	1	0	1	6	3	9	11	0	1	11	18	1	1	4	5	1	1	6	11	1
	15	36	1017·2	–	65·5	6·8	14·1	65	6·0	0	3	6	17	5	0	0	0	0	0	1	0	1	5	4	6	15	0	4	12	15	0	1	0	12	1	3	7	4	3
	21	36	1017·4	–	58·8	2·8	14·2	83	6·3	0	3	6	10	11	1	0	0	0	1	0	1	1	7	4	8	9	0	0	7	20	4	0	3	5	0	2	6	9	2
	3	114	1017·5	–	55·4	1·5	13·6	89	5·9	1	2	6	15	7	0	0	0	0	0	1	1	5	11	10	3	0	1	6	17	7	1	3	1	0	1	6	10	1
Midlothian — Turnhouse H	9	114	1018·2	–	61·3	4·0	14·3	77	5·5	1	1	13	10	6	0	0	0	0	0	0	3	6	8	6	8	0	3	11	14	3	2	4	1	0	1	5	15	0
	15	114	1017·7	–	67·2	7·3	14·4	64	5·5	0	5	6	19	1	0	0	0	0	0	0	3	8	10	10	0	4	15	11	1	0	8	1	1	3	2	14	0	1
	21	114	1017·8	–	58·3	2·5	14·2	84	5·4	0	3	12	9	7	0	0	0	0	0	0	3	7	14	4	3	0	1	7	17	6	0	6	1	1	2	11	4	0
6a SCOTLAND, W.	3	34	1016·2	–	55·8	1·4	14·0	92	6·6	1	2	3	11	13	1	0	1	0	0	0	1	6	12	5	6	0	4	11	9	7	4	0	2	2	3	6	4	3
Argyll — Tiree .. H	9	34	1016·9	+5·4	58·5	2·8	14·0	83	6·7	1	1	2	17	10	0	0	0	0	0	0	2	6	5	6	12	0	5	11	12	3	4	0	1	5	2	8	4	4
	15	34	1017·1	–	60·3	3·6	14·2	79	6·0	1	3	6	11	10	0	0	0	0	0	0	1	4	10	4	12	1	3	13	11	3	4	0	1	3	4	6	5	4
	21	34	1016·9	–	56·5	2·0	13·7	88	6·2	1	3	4	11	12	0	0	0	0	0	0	1	3	7	9	11	0	6	8	13	4	6	0	1	3	4	4	7	2	–
	3	122	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Rhuvaal H	9	122	1017·5	–	58·8	2·4	14·4	85	6·1	0	0	10	12	9	0	0	0	0	0	0	0	0	5	1	12	13	1	2	2	22	4	2	0	0	1	10	6	6	2
	15	122	1017·6	–	60·6	3·1	14·8	82	5·6	0	6	2	17	6	0	0	0	0	0	0	0	4	2	10	15	1	1	6	23	0	4	1	1	0	6	8	10	1	2
	21	122	1017·4	–	57·7	1·9	14·3	88	6·1	0	5	3	9	14	0	0	0	0	0	0	1	5	4	7	14	0	2	4	23	2	3	0	1	0	11	3	9	2	
	3	29	1017·4	–	56·3	1·9	13·7	88	6·5	0	2	3	19	7	0	0	0	0	0	0	1	8	7	9	6	0	1	4	14	12	0	1	2	1	1	6	8	2	0
Renfrew — Renfrew .. H	9	29	1018·2	+5·7	60·9	4·1	13·9	76	6·1	0	1	11	12	7	0	0	0	0	0	0	0	4	9	4	2	12	0	2	12	14	3	1	1	5	2	3	5	8	3
	15	29	1017·7	–	66·9	7·2	14·4	64	5·9	0	1	10	17	3	0	0	0	0	0	0	0	3	8	4	16	0	2	16	12	1	1	0	3	0	4	7	12	3
	21	29	1017·7	–	60·0	3·5	14·2	80	6·2	0	2	8	13	8	0	0	0	0	0	0	3	13	8	3	4	0	1	6	20	4	0	1	6	0	3	5	11	1	
	3	33	1017·3	–	56·3	2·4	13·5	85	5·8	0	4	6	13	8	0	0	0	0	0	0	0	7	6	13	5	0	1	4	25	1	1	4	6	4	4	3	3	5	2
Ayr — Prestwick Airport H	9	33	1018·1	–	61·1	3·9	14·4	78	6·0	0	1	8	16	6	0	0	0	0	0	1	0	9	5	12	4	0	1	9	21	0	2	3	2	5	3	8	6	2	3
	15	33	1017·9	–	65·2	5·9	14·7	69	5·7	0	7	3	15	6	0	0	0	0	0	0	0	5	4	6	16	0	1	14	16	0	0	1	1	1	4	14	7	5	3
	21	33	1017·7	–	60·0	3·2	14·4	81	5·9	0	4	5	14	8	0	0	0	0	0	0	0	3	13	9	6	0	0	9	20	2	0	2	3	3	5	4	6	2	1
Dumfries — Eskdalemuir H	9	778	1018·1	+5·5	59·4	3·6	13·6	78	5·4	1	5	7	11	7	0	0	0	0	0	0	1	6	6	6	12	0	1	5	23	2	0	2	3	4	1	3	11	6	1
	15	778	1017·5	–	65·1	6·0	14·5	69	6·3	0	1	7	18	5	0	0	0	0	0	0	0	5	7	5	14	0	1	8	21	1	2	3	2	1	5	11	3	3	
	21	778	1018·3	–	55·2	1·6	13·5	89	5·1	2	6	6	8	9	0	0	0	0	0	0	0	1	5	9	4	12	0	1	3	15	12	2	2	1	0	2	6	3	3
Wigtown — Mull of Galloway H	3	260	1017·7	–	56·3	1·4	14·1	91	5·5	0	8	6	7	10	0	0	0	0	0	0	0	1	2	25	3	2	0	19	10	0	4	2	2	1	7	4	5	6
	9	260	1018·4	–	60·0	2·7	14·8	84	6·3	0	3	4	13	11	0	0	0	0	0	0	0	2	3	24	2	2	0	20	9	0	6	0	3	1	7	2	5	7
	15	260	1018·3	–	63·2	3·7	15·8	80	6·2	0	4	5	10	12	0	0	0	0	0	1	0	1	3	22	4	1	3	16	11	0	5	1	2	1	6	6	4	6	
	21	260	1018·1	–	57·8	2·0	14·4	88	6·0	0	4	6	8	13	0	0	0	0	0	0	0	0	3	23	5	1	4	13	13	0	4	2	0	1	6	4	6	8	
6b ISLE OF MAN	3	31	1017·8	–	57·6	2·0	14·4	88	4·0	2	11	6	8	4	0	0	0	0	0	0	0	3	1	18	9	0	0	12	18	1	1	3	0	5	2	3	9	7	
Isle of Man — Point of Ayre ..	9	31	1018·7	–	62·7	3·7	15·4	79	5·4	0	5	5	19	2	0	0	0	0	0	0	0	3	3	20	5	0	3	11	17	0	3	3	2	2	4	4	9	4	
	15	31	1018·7	–	67·0	6·9	14·7	65	5·3	1	5	6	13	6	0	0	0	0	0	0	0	3	2	19	7	0	1	7	21	2	1	0	2	2	4	4	11	4	
	21	31	1018·2	–	60·6	3·3	14·7	81	5·2	0	5	10	12	4	0	0	0	0	0	0	0	3	4	17	7	0	3	9	19	0	1	1	2	3	2	6	10	6	4
	3	68	1018·2	–	57·2	2·2	14·0	87	4·2	5	7	6	7	6	0	0	0	0	0	0	0	0	6	7	7	11	0	4	6	18	3	7	3	1	1	3	4	5	4
Ronaldsway H	9	68	1018·9	–	61·7	3·7	14·8	79	5·4	0	6	6	14	5	0	0	0	0	0	0	0	2	5	8	4	12	1	2	15	12	1	3	2	5	2	4	5	5	4
	15	68	1018·8	–	64·9	5·9	14·5	69	5·1	0	9	3	16	3	0	0	0	0	0	0	0	5	7	2	17	1	2	20	8	0	3	2	6	0	5	7	5	6	4
	21	68	1018·7	–	58·7	2·4	14·5	85	5·0	0	8	5	12	6	0	0	0	0	0	0	0	6	7	4	14	1	1	11	14	4	9	2	2	1	2	2	5	4	
2 ENGLAND, N.E.	3	142	1017·6	–	54·3	1·3	13·2	91	4·6	5	3	8	7	7	1	0	2	1	0	1	1	9	4	8	5	0	1	6	20	4	5	0	0	1	4	2	13	2	
Northumberland — Acklington H	9	142	1018·4	–	61·6	4·2	14·3	76	5·5	0	3	10	12	6	0	0	0	0	0	1	0	6	1	12	11	0	1	14	14	2	7	0	7	4	5	3	6	4	
	15	142	1018·1	–	65·2	5·8	14·8	70	5·8	1	1	7	17	5	0	0	0	0	0	0	1	4	4	10	12	0	3	16	12	0	3	7	5	5	1	6	4	0	
	21	142	1018·3	–	56·8	1·7	14·1	88	4·9	0	11	3	11	5	1	0	0	0	0	1	2	4	4	10	5	5	0	2	5	17	7	3	1	1	1	2	6	10	0

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
2 ENGLAND, N.E.—*cont.*																
Northumberland—*cont.*	Tynemouth H	3	130	1017·9	–	57·4	2·0	14·3	87	5·1	3	5	6	9	6	2
		9	130	1018·7	+5·6	61·1	3·9	14·4	79	5·4	1	4	8	10	5	3
		15	130	1018·6	–	64·0	4·8	15·2	75	5·9	0	1	12	12	5	1
		21	130	1018·5	–	60·5	3·0	14·9	73	5·1	1	6	7	12	5	0
Durham	Middleton St. George H	3	118	1018·3	–	55·3	1·5	13·6	90	4·7	4	5	6	7	7	2
		9	118	1018·9	–	63·6	5·5	14·3	72	5·2	3	3	7	13	5	0
		15	118	1018·5	–	68·7	8·5	14·1	60	5·5	0	4	8	14	5	0
		21	118	1018·8	–	60·1	3·3	14·4	80	4·4	3	7	6	12	3	0
Yorks., N. Riding	Dishforth H	3	131	1018·4	–	55·4	1·7	13·6	89	4·5	5	5	7	7	6	1
		9	131	1019·0	–	62·9	5·1	14·2	72	5·5	0	5	6	17	3	0
		15	131	1018·2	–	71·0	9·9	14·2	56	5·8	0	4	5	18	4	0
		21	131	1019·0	–	60·8	3·9	14·2	77	4·9	1	7	7	12	4	0
Yorks., E. Riding	Leconfield.. H	3	27	1018·5	–	55·9	1·5	14·0	91	5·0	3	7	4	8	7	2
		9	27	1019·1	–	64·2	5·1	14·9	73	5·0	3	3	9	11	5	0
		15	27	1018·7	–	70·2	9·1	14·5	58	5·2	1	7	5	13	5	0
		21	27	1019·2	–	59·9	3·0	14·6	83	4·6	1	9	8	9	3	1
	Spurn Head H	3	54	1018·4	–	59·9	2·2	15·5	87	4·1	8	3	6	11	1	2
		9	54	1019·0	+5·1	62·4	3·0	16·1	84	4·6	2	7	7	12	1	2
		15	54	1019·0	–	65·6	4·3	16·9	78	4·3	5	3	13	8	2	0
		21	54	1019·0	–	61·8	2·9	15·9	84	4·7	1	6	10	9	4	1
Lincoln	Waddington H	3	227	1018·8	–	56·5	1·3	14·5	92	3·8	9	6	3	3	10	0
		9	227	1019·3	–	63·7	4·5	15·3	76	4·9	1	8	7	8	7	0
		15	227	1018·6	–	71·2	9·4	14·9	58	5·8	0	5	4	15	7	0
		21	227	1019·3	–	61·7	3·8	14·9	79	4·7	2	8	4	12	5	0
	Manby H	3	47	1018·4	–	56·1	1·6	14·1	91	4·6	5	5	4	8	8	1
		9	47	1019·2	–	64·9	5·2	15·5	73	5·3	0	5	9	11	6	0
		15	47	1018·7	–	69·5	8·3	14·9	61	4·7	3	7	3	15	3	0
		21	47	1019·3	–	60·4	3·0	14·7	81	5·1	2	5	6	12	6	0
3 ENGLAND, E.																
Norfolk	Marham H	3	89	1018·6	–	57·0	1·3	14·6	92	3·9	9	5	4	4	9	0
		9	89	1019·2	–	65·0	4·7	15·8	75	5·0	2	7	7	9	6	0
		15	89	1018·7	–	71·5	9·5	14·8	56	5·0	3	3	8	13	4	0
		21	89	1019·6	–	61·9	3·4	15·3	80	3·8	7	8	3	5	8	0
	West Raynham H	3	263	1018·5	–	56·9	1·5	14·6	90	4·0	8	5	4	6	8	0
		9	263	1019·1	–	64·3	4·5	15·8	76	4·6	2	7	8	10	4	0
		15	263	1018·6	–	70·0	8·7	15·0	60	5·0	2	4	8	16	1	0
		21	263	1019·2	–	60·6	3·0	15·2	83	4·6	1	12	2	10	5	1
	Gorleston	3	26	1018·4	–	61·0	2·1	16·2	88	4·3	6	6	6	3	9	1
		9	26	1019·0	+4·2	64·6	3·8	16·7	80	4·9	3	6	6	7	7	2
		15	26	1019·5	–	67·0	5·3	16·6	73	4·4	5	5	7	12	1	1
		21	26	1019·1	–	63·8	3·2	16·7	82	3·9	8	4	6	10	3	0
Suffolk	Mildenhall H	3	39	1018·5	–	57·2	1·3	14·7	91	4·7	6	2	8	4	8	3
		9	39	1019·2	–	65·3	4·8	15·9	75	4·5	2	7	8	9	5	0
		15	39	1018·4	–	73·6	1·2	14·4	51	5·4	2	3	8	14	4	0
		21	39	1019·1	–	62·5	3·7	15·5	79	3·9	6	8	5	5	7	0
	Felixstowe.. H	3	13	1018·5	–	61·6	1·9	16·8	89	4·1	6	8	2	8	7	0
		9	13	1019·1	+3·9	65·7	4·1	17·0	78	4·9	2	8	4	11	6	0
		15	13	1018·6	–	69·5	6·2	17·4	70	5·0	3	3	8	14	3	0
		21	13	1019·0	–	64·6	3·3	17·3	82	4·4	4	8	4	9	6	0
Huntingdon	Wyton .. H	3	141	1018·8	–	57·5	1·9	14·6	89	4·1	6	6	7	5	6	1
		9	141	1019·4	–	65·1	5·6	15·1	72	4·8	0	8	10	5	8	0
		15	141	1018·6	–	72·5	10·9	14·2	52	5·8	0	3	9	13	6	0
		21	141	1019·2	–	63·1	4·7	14·9	75	4·4	2	9	6	9	5	0
Bedford	Cardington H	3	96	1018·9	–	55·5	0·8	14·5	94	4·5	5	6	4	7	9	0
		9	96	1019·5	–	65·3	5·5	15·3	72	4·6	1	9	7	9	5	0
		15	96	1018·6	–	73·3	11·0	14·5	52	5·8	0	3	7	17	4	0
		21	96	1019·3	–	61·3	3·4	15·1	81	4·1	5	9	2	9	6	0
Hertford	Bovingdon H	3	517	1018·9	–	56·2	1·1	14·6	93	3·6	9	5	4	7	6	0
		9	517	1019·4	–	63·0	4·0	15·3	78	4·5	1	9	6	10	5	0
		15	517	1018·4	–	69·8	8·5	15·0	60	5·1	1	5	8	14	3	0
		21	517	1019·2	–	61·5	3·6	15·2	81	3·8	4	10	4	9	4	0
Essex	Shoeburyness H	9	12	1019·6	+4·0	66·5	4·8	17·0	76	4·5	3	7	7	9	5	0
		15	12	1019·0	–	70·7	7·5	16·7	65	4·7	2	7	6	14	2	0
		21	12	1019·4	–	63·6	2·9	17·0	84	4·2	8	5	5	3	10	0
4 MIDLAND COUNTIES																
Yorks, W.R.	Huddersfield (Oakes) H	3	769	1019·2	–	55·7	1·0	14·2	92	4·0	4	10	4	5	8	0
		9	769	1019·4	–	62·5	4·9	14·2	73	4·4	3	9	4	8	7	0
		15	769	1018·8	–	68·2	8·2	14·4	61	5·4	3	1	7	13	7	0
		21	769	1019·5	–	57·8	2·7	13·7	83	4·1	6	6	5	5	9	0
Nottingham	Watnall .. H	3	390	1018·8	–	56·1	1·6	14·1	91	4·1	6	7	4	4	9	1
		9	390	1019·3	–	63·5	5·0	14·6	73	4·7	4	6	10	7	6	0
		15	390	1018·4	–	70·9	9·6	14·3	56	5·3	1	4	9	12	5	0
		21	390	1019·3	–	61·2	4·3	13·9	75	4·3	6	3	9	8	5	0
	Finningley H	3	46	1018·7	–	56·7	1·8	14·1	88	4·4	7	5	4	5	10	0
		9	46	1019·3	–	65·1	6·0	14·5	69	4·6	4	5	8	8	6	0
		15	46	1018·6	–	72·6	10·5	14·4	53	5·4	1	4	7	14	5	0
		21	46	1019·4	–	62·1	4·6	14·2	74	4·4	4	4	9	9	5	0
	Langar H	9	109	1019·4	–	64·6	5·3	15·1	72	5·0	2	7	5	12	5	0
		15	109	1018·6	–	72·1	10·3	14·6	54	5·6	0	5	6	14	6	0
		21	109	1019·2	–	62·0	4·3	14·6	76	5·1	1	7	4	13	6	0
Northampton	Wittering H	3	219	1018·8	–	56·9	1·5	14·6	90	4·4	6	5	5	7	8	0
		9	219	1019·3	–	64·3	4·9	15·3	74	4·9	0	7	8	11	5	0
		15	219	1018·6	–	71·8	10·0	14·8	55	5·8	0	2	8	16	5	0
		21	219	1019·2	–	62·2	4·2	15·0	77	4·6	4	5	7	8	7	0

VISIBILITY: NUMBER OF OBSERVATIONS										WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force					DIRECTION							
0–44 yd.	45–210 yd.	220–430 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	8 or more	6, 7	4, 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
										Speed in knots 34 or more	22 to 33	11 to 21	1 to 10	0							
0	1	0	1	0	1	7	21	0	0	0	0	8	20	3	4	0	1	1	3	6	8	5
0	2	1	0	0	0	2	9	17	0	0	0	0	14	17	0	11	1	1	0	4	3	7	4
0	1	0	0	0	0	2	6	22	0	0	0	2	8	21	0	9	3	4	2	4	3	5	1
0	0	0	0	0	1	2	8	20	0	0	0	1	6	22	2	7	1	1	3	4	4	9	0
1	1	1	0	0	0	4	9	9	6	0	0	0	4	17	10	3	0	0	0	6	6	3	3
0	0	0	0	1	5	7	9	5	4	0	0	0	11	19	1	9	2	2	0	7	3	6	1
0	0	0	0	2	5	6	5	6	7	0	0	2	14	15	0	7	3	9	4	1	2	6	4	2
0	0	0	1	5	2	8	8	5	2	0	0	3	24	4	0	7	1	0	2	4	9	2	2
0	0	0	1	4	9	13	2	1	0	0	0	3	25	3	10	0	1	4	3	1	4	5	
0	0	0	1	0	3	7	7	5	8	0	0	10	21	0	13	1	1	1	4	2	3	6	
0	0	0	0	1	0	5	11	5	9	0	2	16	13	0	8	3	2	2	2	3	10	1	
0	0	0	0	1	1	10	8	6	5	0	0	2	27	2	4	1	1	4	2	3	9	5	
0	0	0	1	3	1	8	14	2	1	0	0	3	21	7	4	1	0	3	0	5	9	2	
0	0	0	0	1	8	11	9	2	0	0	0	10	19	2	2	2	4	0	1	6	8	6	
0	0	0	0	0	1	6	9	10	5	0	0	13	17	1	4	4	5	1	1	5	6	4	
0	0	0	0	1	4	7	11	7	1	0	0	1	21	9	2	3	0	4	1	4	4	4	
1	1	0	0	0	1	19	9	0	0	0	0	15	14	2	2	3	2	3	3	4	9	3	
1	1	0	0	0	4	17	7	1	0	0	0	10	19	2	4	2	4	2	3	1	9	4	
0	0	0	0	2	6	11	12	0	0	0	0	13	15	3	9	4	12	0	2	2	2	0	
1	0	1	2	3	13	11	0	0	0	0	0	13	15	3	7	2	3	5	2	2	5	2	
0	0	0	2	4	13	9	3	0	0	0	0	2	27	2	1	4	3	1	2	12	3	3	
0	0	0	0	1	2	11	8	9	0	0	0	6	25	0	4	3	3	1	4	6	6	4	
0	0	0	0	0	1	3	12	7	8	0	1	13	17	0	2	6	4	2	0	8	5	4	
0	0	0	1	0	1	10	7	8	4	0	0	3	27	1	4	6	5	1	3	2	7	2	
0	2	1	1	1	5	11	12	0	0	0	0	1	23	7	3	2	0	0	3	2	9	5	
0	0	0	1	1	1	6	13	7	2	0	0	10	21	0	7	2	3	3	2	6	5	3	
0	0	0	0	2	4	10	9	6	0	0	1	13	17	0	7	3	7	4	1	4	3	2	
0	0	0	0	0	1	12	11	5	3	0	0	6	23	2	4	3	3	1	5	3	2	9	
0	0	0	0	1	1	18	10	0	0	0	0	6	23	2	1	4	2	4	3	2	9	4	
0	0	0	2	0	0	18	11	0	0	0	0	4	26	1	6	3	1	3	5	1	9	2	
0	0	0	1	0	1	14	15	0	0	0	0	7	23	1	6	8	2	6	0	3	3	2	
0	0	0	2	0	0	17	12	0	0	0	0	6	24	1	5	4	0	5	9	2	2	3	
0	0	1	3	3	2	16	6	0	0	0	0	0	28	3	1	1	4	3	1	6	7	5	
0	0	0	1	0	1	13	13	3	0	0	0	2	29	0	3	4	3	3	0	4	7	7	
0	0	0	0	0	5	12	10	4	0	0	0	5	25	1	5	3	1	5	0	2	9	5	
0	0	0	1	0	1	10	11	6	2	0	0	0	26	5	3	3	6	3	1	5	2	3	
0	0	0	0	0	2	21	4	4	0	0	0	2	28	1	4	2	4	2	1	4	9	4	
0	0	0	0	0	2	11	10	5	3	0	0	9	22	0	6	4	3	2	1	4	9	2	
0	0	0	0	0	2	8	9	8	4	0	1	12	18	0	2	6	6	3	8	1	2	3	
0	0	0	0	0	4	8	9	8	2	0	0	7	21	3	4	4	4	4	4	2	4	2	
0	0	1	2	5	20	2	0	0	0	0	0	1	29	1	6	3	3	0	2	5	9	2	
0	0	0	1	1	14	11	4	0	0	0	0	7	24	0	5	2	4	3	2	2	6	7	
0	0	0	0	0	6	8	8	9	0	0	0	13	18	0	5	3	2	4	3	4	6	4	
0	0	0	0	1	2	12	14	2	0	0	0	4	26	1	4	7	3	1	3	2	7	3	
0	0	0	2	5	17	6	1	0	0	0	0	1	15	15	3	4	0	0	1	4	3	1	
0	0	0	1	0	13	15	2	0	0	0	1	10	20	0	3	7	1	3	3	0	11	3	
0	0	0	0	0	7	11	11	2	0	0	0	17	14	0	2	8	2	2	1	4	6	6	
0	0	0	0	1	13	13	4	0	0	0	0	2	24	5	1	7	2	3	0	6	4	3	
0	0	0	0	2	7	12	9	1	0	0	0	5	23	3	5	3	2	3	3	2	3	7	6
0	0	0	0	0	2	7	12	10	5	3	0	0	12	8	1	5	3	3	2	4	3	4	6
0	0	0	0	0	0	6	8	13	4	0	0	12	8	1	5	3	3	2	4	3	4	4	
0	0	0	0	0	3	14	7	7	0	0	0	2	25	4	6	3	2	2	4	4	4	4	
0	0	0	0	1	2	15	6	6	1	0	0	4	26	1	6	3	5	1	3	4	4	4	
0	0	0	0	2	2	7	8	8	4	0	0	6	25	0	3	4	8	1	5	4	3	3	
0	0	0	0	2	4	9	9	5	2	0	0	2	28	1	3	3	4	4	3	4	5	4	
0	0	0	1	1	1	6	7	12	3	0	1	4	25	1	4	4	4	0	1	4	7	6	
0	0	0	0	1	2	10	2	11	5	0	1	5	24	1	4	5	2	0	1	5	9	4	
0	0	0	0	1	3	8	4	14	0	0	0	10	20	1	0	6	1	3	1	6	4	9	
0	0	0	0	2	5	5	12	7	0	0	0	5	22	4	0	6	0	3	1	4	7	6	
0	0	0	0	2	1	4	17	7	0	0	0	3	22	6	5	0	5	0	1	2	9	3	
0	0	0	1	1	5	15	8	1	0	0	0	5	25	1	1	5	5	1	1	5	6	6	
0	0	0	0	2	6	16	6	1	0	0	0	10	21	0	4	1	6	1	3	2	7	7	
0	0	0	0	0	3	13	13	2	0	0	0	2	23	6	2	2	6	2	1	2	3	7	
0	0	0	0	1	6	18	5	1	0	0	0	5	21	5	2	2	0	3	2	2	9	6	
0	0	0	0	0	3	16	6	5	1	0	0	13	17	1	5	1	2	3	2	3	7	7	
0	0	0	0	0	1	7	12	6	5	0	1	20	10	0	2	2	3	3	2	11	5		
0	0	0	0	1	1	18	7	3	1	0	0	8	21	2	5	3	4	1	1	4	9	2	
0	0	0	0	1	0	7	16	6	1	0	0	10	19	2	6	4	1	2	3	6	4	3	
0	0	0	0	0	1	1	14	7	8	0	0	24	7	0	3	2	2	3	2	5	12	2	
0	0	0	0	0	2	7	13	4	5	0	0	6	22	3	5	5	3	2	1	6	3	3	
0	0	0	0	0	2	5	12	9	3	0	0	5	22	4	6	1	4	0	1	3	8	4	
0	0	0	0	1	3	8	13	6	0	0	0	14	16	1	4	4	5	0	3	1	7	6	
0	0	0	0	0	1	4	15	11	0	0	0	18	13	0	1	7	0	4	2	3	9	5	
0	0	0	0	0	3	7	15	6	0	0	0	4	26	1	2	7	2	3	1	3	3	9	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT: No. of Observations 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in Knots 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
4 MIDLAND COUNTIES—*cont.*																																										
Warwick Birmingham H	9	542	1019·7	+4·6	61·8	4·3	14·3	76	4·8	3	6	6	10	6	0	0	0	0	0	3	2	10	10	4	2	0	0	8	23	0	8	1	4	1	3	5	6	3
	15	542	1018·9	–	69·6	9·4	13·7	56	5·1	1	4	10	10	6	0	0	0	0	0	0	0	5	12	7	7	0	0	11	20	0	3	5	0	4	1	6	6	6
	21	542	1019·5	–	62·6	5·1	14·1	72	4·4	6	6	6	4	9	0	0	0	0	0	1	1	8	18	3	0	0	0	8	23	0	5	5	1	4	1	5	4	6
	3	362	1019·3	–	56·2	1·4	11·3	91	4·5	3	7	7	7	7	0	0	0	0	0	0	3	16	9	3	0	0	0	2	22	7	1	2	1	3	2	5	3	2
	9	362	1019·7	–	63·1	4·6	14·8	75	5·2	3	4	5	12	7	0	0	0	0	0	0	0	4	11	14	2	0	0	0	10	20	1	5	4	1	3	3	5	6
Elmdon .. H	15	362	1018·8	–	70·8	10·0	13·9	54	5·4	0	5	5	20	1	0	0	0	0	0	0	0	6	14	11	0	0	0	0	14	17	0	2	4	2	4	3	6	6
	21	362	1019·6	–	61·7	4·1	14·5	75	4·6	3	9	3	11	5	0	0	0	0	0	0	3	16	12	0	0	0	0	5	23	3	1	4	3	3	2	5	2	8
	3	242	1019·0	–	55·1	1·5	13·7	91	4·6	1	10	5	8	7	0	0	0	0	0	1	2	9	9	9	1	0	0	4	18	9	6	0	2	0	1	4	9	0
Shropshire Shawbury .. H	9	242	1019·5	–	62·4	4·2	14·9	77	5·8	1	5	1	16	8	0	0	0	0	0	0	3	5	6	7	10	0	0	7	22	2	4	1	6	0	3	3	6	6
	15	242	1018·9	–	69·4	8·5	14·5	61	5·7	0	4	7	18	2	0	0	0	0	0	0	2	4	5	10	10	0	1	10	20	0	10	0	1	2	2	3	2	5
	21	242	1019·5	–	60·0	3·0	14·7	82	5·1	1	7	3	16	4	0	0	0	0	0	0	0	9	6	12	4	0	0	2	27	2	10	1	1	2	1	2	5	6
	3	112	1019·1	–	56·0	1·4	14·1	91	4·0	9	3	6	4	9	0	0	0	0	0	0	2	10	10	7	2	0	0	1	14	16	2	2	1	0	1	7	2	1
Worcester Pershore .. H	9	112	1019·7	–	63·8	4·5	15·2	74	5·0	2	4	10	9	6	0	0	0	0	0	0	9	4	12	6	0	0	0	4	21	6	4	5	4	3	0	1	4	5
	15	112	1018·8	–	72·0	9·8	14·9	56	5·3	0	4	10	15	2	0	0	0	0	0	0	1	4	10	7	10	0	0	0	24	1	4	2	4	3	3	5	3	6
	21	112	1019·3	–	62·5	4·2	14·9	76	4·3	3	9	5	9	5	0	0	0	0	0	0	1	4	13	11	2	0	0	2	23	6	4	4	3	3	1	4	2	4
	9	226	1019·5	+4·3	62·5	4·2	15·0	77	5·5	1	5	3	15	7	0	0	0	0	0	1	1	13	1	14	1	0	0	1	28	2	6	5	1	2	0	7	4	5
Hereford Ross-on-Wye H	15	226	1018·6	–	70·8	9·1	15·0	58	5·3	1	3	9	15	3	0	0	0	0	0	1	1	8	5	14	3	0	0	3	27	1	1	6	3	1	2	6	5	6
	21	226	1019·3	–	61·9	3·7	15·0	78	4·1	4	10	4	7	6	0	0	0	0	0	1	4	9	4	8	5	0	0	1	26	4	4	5	4	2	1	4	6	5
	3	197	1019·2	–	57·7	1·7	11·7	90	4·0	6	7	5	7	6	0	0	0	0	0	1	4	14	9	3	0	0	0	4	22	5	4	6	2	3	0	1	4	8
	9	197	1019·9	–	63·1	3·7	15·7	79	5·2	3	3	8	11	6	0	0	0	0	0	1	2	13	5	8	2	0	0	5	25	1	2	8	3	3	2	4	6	2
Gloucester Bristol (Filton) H	15	197	1019·1	–	69·9	7·6	15·8	64	5·0	1	5	9	11	5	0	0	0	0	0	0	2	5	11	9	4	0	0	11	20	0	6	4	1	2	3	1	12	2
	21	197	1019·4	–	62·7	3·8	15·5	79	4·3	3	8	7	9	4	0	0	0	0	0	0	3	16	6	5	1	0	0	0	24	2	2	7	3	2	1	2	10	2
	3	751	1019·1	–	56·7	1·6	11·2	90	4·6	7	5	2	8	6	3	0	0	2	1	0	2	3	8	3	12	0	0	0	2	26	3	6	5	3	0	1	2	7
	9	751	1019·6	–	61·8	3·9	14·8	78	4·6	3	6	8	10	3	1	0	0	1	0	0	3	7	9	9	2	0	0	0	6	23	2	5	3	3	1	4	3	5
Little Rissington H	15	751	1018·8	–	68·6	7·8	14·9	62	5·3	0	4	9	15	3	0	0	0	0	0	0	3	7	13	7	8	0	0	0	8	23	0	5	3	3	1	4	2	3
	21	751	1019·4	–	61·3	3·9	14·5	78	3·8	4	9	7	6	5	0	0	0	0	0	0	3	7	11	5	5	0	0	2	24	5	3	6	2	1	1	3	5	5
5 ENGLAND, S.E.																																										
	3	86	1018·9	–	58·8	1·9	14·8	88	3·8	10	5	3	4	9	0	0	0	0	0	0	3	14	12	2	0	0	0	1	25	5	5	5	2	0	2	3	5	4
	9	86	1019·6	–	65·8	5·4	15·6	72	4·4	1	11	5	11	3	0	0	0	0	0	0	3	11	8	6	3	0	0	6	25	0	4	4	5	1	3	4	6	4
Middlesex London Airport H	15	86	1018·6	–	73·8	10·8	15·0	53	5·2	1	4	8	15	3	0	0	0	0	0	0	0	6	6	9	10	0	0	13	18	0	0	5	3	3	4	2	7	7
	21	86	1019·2	–	65·3	4·8	15·9	74	4·1	5	8	6	4	8	0	0	0	0	0	0	1	11	12	7	0	0	0	3	26	2	1	5	4	2	3	5	4	4
	9	34	1019·5	+3·9	65·8	6·3	14·7	68	4·5	1	10	6	10	4	0	0	0	0	0	2	1	10	9	5	4	0	0	6	25	0	8	2	5	5	2	2	5	3	4
Surrey Kew Observatory H	15	34	1018·5	–	73·1	11·2	13·9	50	5·3	1	4	7	17	2	0	0	0	0	0	0	1	7	4	6	13	0	0	8	23	0	4	3	5	2	1	8	4	4
	21	34	1019·2	–	64·9	4·8	15·7	75	4·2	3	8	7	8	5	0	0	0	0	0	0	1	10	12	7	2	0	0	5	24	2	1	5	6	0	7	4	4	2
	3	195	1018·7	–	55·7	1·1	14·4	93	3·8	12	2	3	5	8	1	0	1	0	0	1	5	16	8	0	0	0	0	1	14	16	1	5	0	2	1	3	2	1	1
	9	195	1019·2	–	65·4	4·9	16·0	75	4·0	4	9	5	10	3	0	0	0	1	1	2	12	8	5	2	0	0	0	5	23	3	6	4	3	1	2	2	8	2
Gatwick .. H	15	195	1018·4	–	73·2	10·2	15·4	55	5·3	1	4	8	16	2	0	0	0	0	0	0	1	5	5	14	6	0	0	0	10	21	0	1	3	3	7	3	3	5
	21	195	1019·1	–	61·7	2·9	15·8	83	4·5	2	10	3	10	6	0	0	0	0	0	0	2	17	10	2	0	0	0	2	21	8	0	3	4	1	3	6	5	1
	3	309	1018·7	–	57·9	1·5	14·9	90	4·2	7	5	4	8	7	0	0	0	0	0	1	2	4	16	8	0	0	0	2	21	8	7	1	1	3	3	2	5	1
	9	309	1019·2	–	65·0	4·6	16·0	76	4·1	2	9	8	7	5	0	0	0	0	0	0	3	12	10	5	0	0	0	0	11	16	4	7	3	1	1	4	3	2
Kent West Malling H	15	309	1018·5	–	71·6	9·0	15·6	59	5·2	0	6	5	17	3	0	0	0	0	0	0	1	4	11	12	3	0	0	0	16	14	1	3	6	4	1	4	5	3
	21	309	1019·2	–	61·5	2·7	15·9	85	4·4	3	7	8	7	6	0	0	0	0	0	0	1	10	11	4	0	0	0	0	2	27	2	4	6	1	4	3	4	4
	3	35	1018·9	–	58·5	1·5	15·4	91	3·7	6	7	8	5	5	0	0	0	0	0	0	1	7	22	1	0	0	0	0	25	6	6	5	0	1	5	7	4	1
	9	35	1019·7	–	66·0	5·0	16·2	74	4·3	5	8	2	10	6	0	0	0	0	0	0	2	3	11	11	4	0	0	0	25	6	5	5	2	0	1	2	7	4
Sussex Thorney Island H	15	35	1019·1	–	71·8	8·3	16·3	62	4·9	0	5	12	12	2	0	0	0	0	0	1	1	5	6	13	5	0	0	0	28	2	6	5	4	1	2	2	5	4
	21	35	1019·4	–	62·8	2·8	16·5	84	4·3	3	7	7	9	5	0	0	0	0	0	0	1	3	4	14	9	0	0	0	29	0	3	2	2	3	11	4	3	3
	9	20	1019·5	–	65·7	4·8	16·3	75	5·0	2	5	10	8	6	0	0	0	0	0	0	0	1	25	5	0	0	0	0	20	10	4	3	3	1	0	3	4	3
Eastbourne (Coastguard) H	15	20	1019·3	–	69·9	7·1	16·6	66	4·3	6	1	9	14	1	0	0	0	0	0	0	0	0	23	8	0	0	0	0	21	7	7	2	5	0	0	3	2	5
	21	20	1019·3	–	63·8	3·4	16·5	81	4·0	8	1	10	8	4	0	0	0	0	0	0	0	0	18	13	0	0	0	0	26	1	3	2	2	3	2	11	0	2
	3	234	1019·1	–	57·0	1·6	14·5	90	4·4	7	6	3	3	12	0	0	0	0	1	1	3	13	13	0	0	0	0	0	18	11	2	2	3	0	2	2	0	9
	9	234	1019·6	–	64·8	5·0	15·5	74	4·6	2	6	9	10	4	0	0	0	0	1	3	6	13	2	0	0	0	0	0	15	15	4	1	3	0	2	2	3	1
Berkshire Abingdon .. H	15	234	1018·8	–	72·5	9·4	15·7	58	5·6	1	4	3	19	4	0	0	0	0	0	0	0	4	10	13	4	0	0	0	29	0	5	3	3	5	2	2	7	4
	21	234	1019·3	–	63·4	4·2	15·5	78	3·8	5	10	5	5	6	0	0	0	0	0	1	2	12	10	6	0	0	0	0	27	2	2	2	5	2	3	4	7	4
	3	231	1019·1	–	57·1	1·6	11·8	90	4·1	10	3	4	5	9	0	0	0	0	0	0	2	13	8	4	0	0	0	0	22	9	4	4	3	1	0	2	7	1
	9	231	1019·6	+4·0	64·8	4·3	16·4	78	4·6	2	9	3	13	4	0	0	0	0	1	0	2	5	5	6	12	0	0	1	29	1	2	1	3	2	1	1	7	5
Hampshire S. Farnborough H	15	231	1018·7	–	72·3	8·8	16·4	60	5·1	0	3	12	14	2	0	0	0	0	0	0	0	5	5	5	16	0	0	2	29	0	5	5	4	2	2	2	7	3
	21	231	1019·4	–	63·8	4·0	16·1	79	4·1	5	6	7	9	4	0	0	0	0	0	1	3	11	5	5	6	0	0	0	26	5	2	5	2	2	3	3	9	0
	3	344	1018·9	–	57·2	1·5	11·8	91	4·5	7	4	5	4	11	0	0	0	0	1	1	3	13	10	2	1	0	0	1	25	5	2	5	2	2	0	2	4	7
	9	344	1019·5	–	64·6	5·2	15·2	72	4·7	1	9	6	10	5	0	0	0	0	1	0	2	6	6	13	3	0	0	0	25	2	2	6	3	2	0	6	2	8
Blackbushe H	15	344	1018·6	–	71·9	9·9	14·8	55	5·1	0	3	13	13	2	0	0	0	0	0	1	3	8	7	12	0	0	0	8	21	2	2	6	2	5	1	4	3	5
	21	344	1019·2	–	63·1	4·1	15·5	78	3·8	4	9	6	7	5	0	0	0	0	0	0	1	11	9	4	6	0	0	2	27	2	2	4	3	2	5	5	7	1
	3	458	1019·2	–	57·0	1·7	14·3	89	4·3	10	2	3	5	10	1	0	0	0	1	1	2	10	12	5	0	0	0	1	24	6	3	4	4	1	2	3	6	2
	9	458	1019·7	–	62·7	3·7	15·4	79	5·7	1	3	9	9	9	0	0	0	0	1	0	3	9	7	4	7	0	0	0	26	1	5	7	2	2	3	5	3	3
Wiltshire Lyneham H	15	458	1018·9	–	69·2	7·9	15·1	63	5·7	0	3	7	18	3	0	0	0	0	0	0	1	4	13	5	8	0	0	0	22	1	1	7	2	2	5	1	6	3
	21	458	1019·4	–	61·7	3·9	14·7	78	4·4	4	6	7	7	7	0	0	0	0	0	1	0	8	14	5	3	0	0	2	28	1	0	6	5	2	4	1	9	3
	9	582	1019·5	–	62·8	4·1	15·2	78	5·3	3	2	2	9	10	7	0	0	0	0	2	2	6	7	11	3	0	1	6	23	1	6	4	5	1	2	4	4	4
Upavon .. H	15	582	1018·5	–	69·9	8·2	15·3	62	5·7	1	1	9	17	3	0	0	0	0	0	0	1	4	10	14	2	0	0	11	20	0	6	4	3	1	5	2	5	5
	21	582	1019·2	–	61·1	3·6	14·7	80	4·0	5	7	8	6	5	0	0	0	0	0	1	1	11	12	5	2	0	0	2	27	2	3	5	6	0	2	2	7	4
	3	419	1019·3	–	56·6	1·1	11·5	92	4·1	8	8	1	2	11	1	0	0	0	1	1	1	17	8	2	0	0	0	2	22	7	0	4	3	1	2	2	4	9
	9	419	1019·9	–	63·9	4·3	15·8	78	4·9	2	8	4	10	7	0	0	0	0	0	1	2	7	9	11	1	0	0	0	26	0	3	4	5	2	3	3	4	7
Boscombe Down H	15	419	1018·9	–	71·2	8·7	15·6	60	5·2	1	2	15	11	2	0	0	0	0	0	0	0	3	10	12	6	0	0	0	22	1	2	4	4	3	2	4	5	6
	21	419	1019·6	–	61·8	3·6	15·1	80	3·9	4	8	8	7	4	0	0	0	0	0	0	0	11	14	6	0	0	0	0	26	2	1	7	3	1	4	3	6	4
7a ENGLAND, N.W.																																										
	3	27	1018·2	–	56·2	1·8	13·8	89	5·2	5	4	1	15	6	0	0	0	0	1	0	0	6	7	15	2	0	1	6	23	1	0	9	5	0	3	4	6	3
	9	27	1018·9	–	61·0	3·4	14·7	80	5·6	0	2	10	16	3	0	0	0	0	0	2	2	7	6	13	1	0	1	12	16	2	1	6	5	0	2	9	4	2
Cumberland Silloth H	15	27	1018·7	–	65·3	5·7	14·9	70	5·7	0	4	6	17	4	0	0	0	0	0	0	1	4	5	9	12	0	1	15	15	0	0	4	3	0	3	16	2	3
	21	27	1018·6	–	59·9	2·9	14·7	82	5·6	0	3	12	9	7	0	0	0	0	0	1	1	5	9	10	5	0	0	8	23	0	0	2	8	1	5	3	5	7
	3	35	1018·3	–	56·6	2·0	13·8	87	5·0	2	6	5	11	7	0	0	0	0	0	1	1	8	10	10	1	0	1	5	23	2	1	5	2	2	8	2	0	5
Lancashire Squires Gate H	9	35	1019·1	–	63·5	4·8	14·9	74	5·8	0	4	6	13	8	0	0	0	0	0	0	1	9	10	9	2	0	0	8	20	3	1	3	4	2	4	3	4	7
	15	35	1018·9	–	67·5	6·9	15·2	67	5·5	0	3	10	13	5	0	0	0	0	0	0	0	3	5	11	12	0	1	11	19	0	0	2	3	0	3	3	11	9
	21	35	1018·9	–	61·1	3·4	14·8	80	5·6	0	4	10	8	9	0	0	0	0	0	0	2	4	12	12	1	0	0	9	20	2	0	2	6	2	1	5	8	5
	3	85	1018·6	–	58·5	2·4	14·4	85	4·9	4	5	5	10	7	0	0	0	0	0	1	3	11	5	7	4	0	0	6	22	3	2	5	1	3	3	3	3	8
	9	85	1019·3	–	62·9	4·4	14·8	75	5·8	0	4	6	11	10	0	0	0	0	0	0	3	8	10	8	2	0	0	9	18	4	1	3	2	5	0	3	2	4	7
Speke .. H	15	85	1019·0	–	68·8	8·2	14·6	61	5·5	0	3	9	18	1	0	0	0	0	0	0	0	6	7	11	7	0	1	14	16	0	1	1	4	0	4	3	4	14
	21	85	1019·1	–	62·5	4·3	14·8	77	4·8	2	7	5	12	5	0	0	0	0	0	1	1	11	8	10	0	0	0	5	22	4	2	5	1	2	1	5	4	7

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TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
7a ENGLAND, N.W.—*cont.*																																										
	3	251	1018·6	–	57·2	2·5	13·9	86	4·9	4	6	2	11	8	0	0	0	0	1	0	3	18	9	0	0	0	0	3	22	6	0	3	4	2	7	1	3	5
Cheshire Manchester Airport H	9	251	1019·1	–	63·3	5·1	14·6	73	5·9	0	3	8	10	10	0	0	0	0	0	0	4	18	5	3	1	0	0	9	22	0	0	4	5	1	7	2	4	8
	15	251	1018·7	–	69·6	9·0	14·3	58	5·8	1	2	7	16	5	0	0	0	0	0	0	7	13	6	5	0	1	15	15	0	1	4	3	1	3	5	4	10
	21	251	1019·1	–	61·2	4·1	14·2	76	5·2	1	5	9	7	9	0	0	0	0	0	0	4	13	13	1	0	0	0	3	27	1	2	4	5	3	2	4	2	8
7b NORTH WALES																																										
	3	29	1018·6	–	57·3	1·7	14·6	89	4·7	7	4	2	9	9	0	0	0	0	0	0	3	4	6	15	3	0	2	6	17	6	3	2	4	2	3	4	3	4
Anglesey Holyhead .. (Valley) H	9	29	1019·2	+5·2	63·0	3·7	15·7	80	5·6	1	4	6	11	9	0	0	0	0	1	1	5	8	6	10	0	2	7	21	1	4	2	4	0	5	6	2	7
	15	29	1019·1	–	66·6	6·5	15·2	68	5·2	0	3	12	12	3	1	0	0	0	1	0	2	4	3	7	14	1	2	7	21	0	5	3	2	1	3	10	1	6
	21	29	1019·1	–	60·0	2·3	15·5	87	4·7	2	7	7	9	6	0	0	0	0	1	0	3	3	4	11	9	0	2	5	21	3	4	2	3	2	2	10	3	2
8a SOUTH WALES																																										
	3	379	1018·9		57·5	1·6	14·8	91	4·3	5	9	3	5	9	0	0	0	0	0	2	2	6	7	11	3	0	0	4	22	5	2	2	1	4	6	4	5	2
Cardigan Aberporth .. H	9	379	1019·4		61·7	3·2	15·4	81	5·3	4	1	7	15	4	0	0	0	0	0	0	7	4	11	9	0	1	9	21	0	4	2	4	1	6	3	5	6
	15	379	1019·3		64·8	4·5	16·0	76	5·3	0	7	5	14	5	0	0	0	0	1	0	1	4	4	10	11	0	1	8	22	0	10	0	1	2	3	4	3	8
	21	379	1019·4		59·5	2·3	15·2	87	4·1	3	9	7	6	6	0	0	0	0	0	1	3	3	12	5	7	0	0	6	23	2	3	1	4	2	2	8	5	4
	3	123	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Glamorgan Mumbles Head H	9	123	1019·4	–	63·2	3·7	16·1	81	5·5	1	3	8	8	11	0	0	0	0	0	0	5	18	7	1	0	0	1	11	14	5	4	2	10	0	0	3	3	4
	15	123	1019·3	–	67·2	5·6	16·1	72	5·5	0	4	7	15	5	0	0	0	0	0	0	1	16	7	7	0	1	0	13	15	2	2	2	1	4	2	11	7	0
	21	123	1019·3	–	62·9	3·4	16·1	82	4·5	4	6	7	5	9	0	0	0	0	1	0	2	9	13	5	1	0	2	10	15	4	6	4	2	2	1	3	7	2
	3	225	1019·2	–	56·7	1·3	14·5	91	3·6	7	8	6	1	9	0	0	0	0	0	1	5	5	12	7	1	0	0	5	25	1	4	11	2	0	0	1	7	5
Rhoose .. H	9	225	1019·9	–	62·5	3·1	15·9	82	5·7	2	3	6	13	7	0	0	0	0	0	0	6	7	7	9	2	0	1	11	19	0	2	5	7	2	0	4	7	4
	15	225	1019·3	–	67·6	6·2	16·0	69	5·1	1	5	8	13	4	0	0	0	0	0	0	2	3	13	8	5	0	0	16	15	0	1	4	5	4	0	2	15	0
	21	225	1019·6	–	60·5	2·3	15·7	86	4·0	4	8	6	7	6	0	0	0	0	0	2	3	6	9	7	4	0	0	8	22	1	4	4	0	3	1	1	10	7
8b ENGLAND, S.W.																																										
	3	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset Portland Bill H	9	35	1019·2	–	63·3	3·0	16·7	84	4·9	1	7	6	10	7	0	0	0	0	0	0	1	6	4	9	11	0	1	6	23	1	4	8	6	1	1	1	5	4
	15	35	1019·0	–	67·0	4·1	17·9	79	4·6	4	5	9	7	6	0	0	0	0	0	1	0	5	4	10	11	0	1	6	21	3	0	2	8	1	2	3	12	0
	21	35	1018·9	–	63·6	2·6	17·4	86	4·0	6	6	7	8	2	2	0	1	0	1	0	0	1	7	14	7	0	3	6	19	3	2	3	5	1	1	0	9	7
	3	305	1018·7	–	60·2	2·0	15·7	87	3·6	7	6	7	6	5	0	0	0	0	0	0	2	2	13	11	3	0	1	6	24	0	4	4	2	2	6	4	5	
Devon Hartland Pt. H	9	305	1019·2	–	62·4	2·9	16·2	84	5·5	0	3	11	12	4	1	0	0	1	1	0	3	2	13	9	2	0	1	7	22	1	2	8	4	0	2	3	8	3
	15	305	1019·0	–	64·6	4·2	16·0	78	4·8	1	5	12	6	7	0	0	0	0	0	0	1	7	12	5	6	0	1	9	21	0	4	7	3	1	1	3	9	3
	21	305	1019·1	–	61·6	2·9	15·8	84	4·4	0	11	6	11	3	0	0	0	0	0	0	1	1	16	8	5	0	1	6	23	1	3	6	3	1	1	1	12	3
	3	100	1019·2	–	58·8	1·7	15·3	90	3·1	13	6	2	1	9	0	0	0	0	0	1	3	12	12	3	0	0	0	5	20	6	5	6	3	0	1	1	5	4
Plymouth (Mount Batten) H	9	100	1019·8	+3·8	64·0	3·8	16·1	79	4·4	2	8	9	4	8	0	0	0	0	0	1	3	7	8	11	1	0	1	9	19	2	4	2	6	1	3	4	7	2
	15	100	1019·4	–	68·3	6·1	16·4	70	4·6	0	9	9	6	7	0	0	0	0	0	0	7	8	6	10	0	1	14	15	1	0	2	3	5	5	5	3	7	
	21	100	1019·7	–	61·9	3·0	15·7	83	4·4	6	4	6	9	5	1	0	1	0	0	1	0	10	7	9	3	0	0	5	21	5	7	3	5	0	1	1	4	5
	3	23	1019·2	–	58·0	1·0	15·5	93	3·9	6	7	7	5	6	0	0	0	0	1	0	1	13	7	8	1	0	0	3	15	13	0	0	8	2	1	1	5	1
Chivenor .. H	9	23	1019·7	–	64·4	3·1	17·2	83	5·2	1	2	14	7	7	0	0	0	0	0	1	2	11	5	8	4	0	1	3	21	6	2	1	5	5	0	3	3	6
	15	23	1019·5	–	69·1	5·6	17·5	73	5·2	0	5	12	7	7	0	0	0	0	0	0	8	9	7	7	0	0	1	11	19	1	0	4	3	5	1	0	9	8
	21	23	1019·7	–	61·8	2·2	16·8	88	4·9	1	8	4	13	5	0	0	0	0	0	0	1	9	7	8	6	0	0	2	22	7	1	2	4	3	0	1	10	3
	3	125	1019·4	–	55·5	0·9	14·3	94	4·1	6	7	5	6	7	0	0	0	1	2	2	3	9	9	5	0	0	0	3	12	16	6	2	0	1	1	0	1	4
Exeter .. H	9	125	1019·9	–	63·1	3·1	16·4	83	5·1	1	7	6	8	9	0	0	0	0	1	1	0	9	9	4	7	0	0	7	21	3	3	6	0	2	3	1	3	10
	15	125	1019·2	–	69·6	6·7	16·7	68	5·0	0	6	10	10	5	0	0	0	0	0	0	7	5	6	13	0	0	0	17	13	1	3	2	1	7	5	2	1	9
	21	125	1019·7	–	60·9	2·4	15·9	87	3·9	3	10	6	7	5	0	0	0	0	0	0	1	10	5	9	6	0	0	3	17	11	2	3	1	0	3	2	2	7
	3	199	1020·1	–	60·0	1·5	16·1	91	4·1	5	6	8	6	5	1	1	0	0	0	0	0	4	5	14	7	0	1	7	19	4	5	4	4	2	0	2	5	5
Cornwall St.Mary's, Scilly H	9	199	1020·5	+4·4	63·5	2·9	16·8	84	5·5	0	4	11	10	5	1	0	0	0	1	0	0	3	11	11	5	0	1	6	22	2	7	5	4	2	1	2	3	5
	15	199	1020·6	–	67·5	5·6	16·6	72	4·6	0	7	11	8	4	1	0	0	1	0	0	1	4	7	12	6	0	1	14	16	0	6	6	3	4	1	2	5	4
	21	199	1020·4	–	60·9	1·9	16·2	88	4·6	1	8	9	4	8	1	0	0	1	0	1	5	9	9	6	0	0	1	6	23	1	5	7	3	1	1	2	7	4
	3	350	1019·4	–	58·0	0·9	15·7	94	3·7	7	8	5	3	4	4	0	0	4	2	1	0	8	10	6	0	0	0	7	20	4	4	3	7	1	3	3	2	4
St. Mawgan H	9	350	1019·5	–	62·9	3·1	16·3	83	5·5	1	5	9	8	6	2	0	0	0	2	2	1	5	10	8	3	0	1	13	16	1	2	3	6	3	2	2	6	6
	15	350	1019·8	–	65·5	4·7	16·2	76	5·4	0	4	10	8	9	0	0	0	0	0	1	0	5	13	6	6	0	0	23	8	0	8	1	1	6	0	0	8	7
	21	350	1019·9	–	60·1	1·7	16·1	89	4·9	2	7	5	10	7	0	0	0	0	0	1	4	7	11	4	4	0	0	7	23	1	5	5	3	3	2	4	4	4
NORTHERN IRELAND																																										
	3	13	1017·1	–	56·1	2·2	13·5	87	5·9	1	3	5	14	8	0	0	0	0	0	0	0	4	10	15	2	0	1	8	14	8	3	0	1	3	2	7	6	1
Londonderry Ballykelly H	9	13	1017·6	–	60·2	3·5	14·3	80	6·1	1	2	6	19	3	0	0	0	0	0	0	0	4	7	13	7	0	2	6	16	7	3	1	1	2	3	4	8	2
	15	13	1017·3	–	65·0	5·8	15·0	71	6·2	0	2	5	19	5	0	0	0	0	0	0	0	4	1	7	19	0	3	7	21	0	10	2	0	2	4	5	7	1
	21	13	1017·6	–	58·7	2·6	14·5	85	6·1	1	3	3	17	7	0	0	0	0	0	0	0	3	12	6	10	0	2	7	16	6	2	0	0	4	4	6	5	4
	3	220	1017·9	–	55·1	1·5	13·7	90	5·5	4	5	2	6	14	0	0	0	0	0	0	2	8	13	7	1	0	2	7	17	5	4	0	3	4	4	5	5	1
Antrim Aldergrove H	9	220	1018·4	+5·2	59·5	3·0	14·5	83	6·2	0	4	4	13	10	0	0	0	0	0	0	0	5	9	13	4	0	2	6	20	3	5	1	3	0	6	4	6	3
	15	220	1018·1	–	65·3	6·3	14·5	68	6·2	0	1	7	17	6	0	0	0	0	0	0	1	4	4	7	15	1	1	10	19	0	7	2	1	2	4	6	3	6
	21	220	1018·3	–	58·7	2·8	14·3	83	5·9	0	5	5	11	10	0	0	0	0	0	0	0	6	8	12	5	1	0	9	20	1	6	4	3	4	3	5	5	2
	3	356	1018·1	–	54·9	1·7	13·4	90	5·5	4	5	2	5	15	0	0	0	0	0	0	1	6	12	9	3	0	0	6	16	9	1	0	1	4	3	6	7	0
Nutts Corner H	9	356	1018·5	–	59·1	2·8	14·5	84	6·3	0	3	2	19	7	0	0	0	0	0	0	0	4	8	9	10	0	1	9	19	2	6	2	0	3	4	6	7	1
	15	356	1018·1	–	64·8	5·8	14·7	70	6·3	0	0	8	16	7	0	0	0	0	0	0	1	1	6	6	17	0	2	11	18	0	4	0	3	3	3	5	7	6
	21	356	1018·5	–	58·5	2·8	14·2	83	6·3	0	4	2	15	10	0	0	0	0	0	0	0	4	6	10	11	0	1	4	23	3	4	2	2	4	4	4	7	1

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, AUGUST, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	616	15	95	11	304·4	31	356	3	95	11	220·4	31	678	16	123	11	362·7	31
Eskdalemuir	627	26	65	24	393·0	31	346	12	59	24	216·0	31	588	26	78	24	384·0	31
Cambridge	681	18	150	10	455·5	31	307	4	95	18	212·8	31	-	-	-	-	-	-
Kingsway	629	16	180	10	446·1	28	319	12	162	18	231·8	28	629	16	180	10	446·1	28
Kew	605	18	157	10	426·0	31	327	12	107	23	198·0	31	651	16	253	1	487·0	31
Aberporth	730	16	156	21	487·9	31	363	7	103	27	242·3	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN AUGUST, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	0	22	9	0	0	0	0	0	0	0	1	14	16	0
Stornoway	0	0	0	7	22	2	0	0	0	0	0	0	1	7	23	0
Craibstone	0	0	0	3	17	10	1	0	0	0	0	0	0	15	15	1
Rothesay	0	0	0	1	23	7	0	0	0	0	0	0	0	7	22	2
Renfrew	0	0	0	0	18	11	2	0	0	0	0	0	0	6	23	2
Eskdalemuir	0	0	0	3	17	9	2	0	0	0	0	0	4	11	15	1
Douglas	0	0	0	0	25	6	0	0	0	0	0	0	0	4	23	4
Cockle Park	0	0	0	0	14	13	4	0	0	0	0	0	3	16	11	1
Gorleston	0	0	0	0	14	14	3	0	0	0	0	0	0	0	16	15
Cambridge	0	0	0	0	5	16	10	0	0	0	0	0	0	9	14	8

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	0	0	12	15	4	0	0	0	0	0	0	4	19	8
Kew Observatory	0	0	0	0	5	17	9	0	0	0	0	0	0	3	14	14
Hastings	0	0	0	0	4	23	4	0	0	0	0	0	0	2	13	16
Southampton	0	0	0	0	0	21	10	0	0	0	0	0	0	6	14	11
Stonyhurst	0	0	0	0	19	9	3	0	0	0	0	0	0	7	18	6
Bidston Observatory	0	0	0	0	20	9	2	0	0	0	0	0	0	1	24	6
Holyhead (Valley)	0	0	0	0	18	12	1	0	0	0	0	0	0	6	19	6
Falmouth	0	0	0	0	18	13	0	0	0	0	0	0	0	1	19	11
Aldergrove	0	0	0	2	16	13	0	0	0	0	0	0	3	5	20	3
Armagh	0	0	0	2	10	19	0	0	0	0	0	0	2	6	21	2

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL			WEATHER NUMBER OF DAYS									BRIGHT SUNSHINE	
				Means of		Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum								Most in a day												
		Max. Min. Rain		A Max.	B Min.			Maximum	Date	Minimum	Date	1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	Precip'n ·01in. (0·2mm.) or more	·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
1959		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
January	Onich	999	48															14	11										
	Earls Colne	999	160	40·9	29·1	35·0	-	51	21, 22	19	14	37·4	42·5	1·65	70	·46	6	16	10	-	3	-	-	5	24	-	-	-	-
March	Leicester (Towers)	999	267																									3·14	

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Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

Volume 76 Number 9 Published by HER MAJESTY'S STATIONERY OFFICE

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September 1959—*Sunny and warm; exceptionally dry over England and Wales*

The anticyclonic conditions which had dominated the weather during the preceding four months continued throughout September except for a brief interruption around the 20th. Most places in England and Wales were virtually without rain during the first three weeks.

The month began with an anticyclone centred over the North Sea and a blocking pattern at 500 mb. with the upper high over north Scotland and the upper low over Biscay. The blocking pattern moved slowly eastwards and degenerated over Europe on 8th–9th but the surface anticyclone persisted until the 11th. On most days during this period many places recorded 10–12 hr. sunshine and afternoon temperatures, which at the beginning of the month were in the upper sixties, rose steadily and from the 6th to 12th exceeded 80°F. somewhere in Britain every day. Temperature rose to 84°F. in parts of the Midlands and south-west England and to 86°F. at Gatwick on the 11th.

On the 12th another anticyclone became centred off north-west Scotland and an upper blocking system became re-established over the eastern Atlantic with its low centre north of the Azores. With light north-easterly winds over most of the country weather was markedly cooler although temperature exceeded 70°F. locally. It remained generally sunny but was dull in some eastern districts where there were some light scattered showers.

The anticyclone drifted south-east on the 17th–20th and declined but a weak upper low persisted over the Bay of Biscay. There was little change in the weather until the 20th when pressure fell steadily over the British Isles as an active cold front, with minor wave disturbances moving north-eastward along it, moved slowly south-eastwards across northern districts subsequently clearing south-east England about noon on the 23rd. Many places in western Scotland and some in Northern Ireland and north-west England had over 1 in. of rain on the 20th while on the 21st rain was more general with some heavy falls in the north and Midlands, but amounts in the south were small. Some slight rain or drizzle persisted in the south-east the following morning, but otherwise only some scattered showers occurred in the north.

From 23rd to 25th a succession of fronts from the Atlantic gave some rain in northern districts as a small anticyclone moved eastwards across southern England to northern Germany. Weather in the south was mainly fine and dry although on the 25th rain was fairly widespread in south-western districts.

Pressure rose rapidly over the British Isles on the 26th and on the 27th an anticyclone became centred over the southern part of the country where many places had more than 10 hr. sunshine. However, there was some heavy frontal rain in the extreme north of Scotland. The anticyclone moved eastwards and by the 30th was centred near the southern Baltic. With warm southerly winds over the British Isles the last few days of the month were fine and dry with afternoon temperatures reaching the lower seventies locally.

Pressure and Wind. Mean pressure was everywhere above the 1921–50 average, the excess at 9 h. ranging from 10·3 mb. at Wick to 3·9 mb. at Scilly. Easterly winds predominated over the greater part of southern and south-east England until the 19th, but in the extreme west and north winds were mainly southerly until the 11th after which they became generally north or north-easterly in the northern part of the British Isles. From 20th to 28th winds were mainly south-westerly but rather variable in the south on the 22nd, 23rd, 27th and 28th. They became generally southerly during the last two days of the month. It was a very quiet month in nearly all districts but in the extreme north of Scotland winds reached gale force on the 28th and gusts of 59 kt. and 53 kt. were recorded at Grimsetter and Lerwick respectively on the 22nd.

Temperature. Mean temperature was above the average for the eighth successive month, the excess being 2·5°F. in England and Wales, 2·4°F. in Scotland and 2·1°F. in Northern Ireland. These above average values were mainly due to high day temperatures; for example, in south-west England the mean maximum was 5°F. above but the mean minimum nearly 1°F. below the average. The warmest days occurred on the 10th–12th when 80°F. was reached in western Scotland and 84°F. or above locally in central and southern England. Air frost occurred in several places and ground frost was fairly frequent, especially on higher ground in the north; at Houghall it occurred on 18 nights.

Extremes included: (England and Wales) 86°F. at Gatwick on the 11th, 23°F. at Corwen on the 28th; (Scotland) 80°F. at Renfrew and Ruthwell on the 10th, 28°F. at Eskdalemuir on the 27th; (Northern Ireland) 80°F. at Armagh on the 11th, 36°F. at Loughgall on the 2nd and 4th.

Precipitation. The general rainfall expressed as a percentage of the 1916–50 average was only 10 per cent. over England and Wales where it was easily the driest September since comparable records began in 1870, and probably the driest since 1754. Over Scotland, with 36 per cent. of the average, there has been no drier September since 1894 although September 1933 was as dry. Over Northern Ireland with 45 per cent. of the average it was the driest September since 1941. Periods of 15 days or more without measurable rain occurred over most of England, Wales, southern and central Scotland and the eastern part of Northern Ireland. Parts of East Anglia and Devon had no measurable rain throughout the month and there was less than 5 per cent. of the average over much of the Midlands, East Anglia, southern England and the central and southern Pennines. Rain on the 21st ended periods without measurable rain of about 30 days in parts of north-east England, and of about 37 days in parts of the south. By the end of the month a few stations in the Midlands and East Anglia had had no measurable rain for 48 days.

Thunderstorms occurred locally in East Anglia and south-east England on the 6th, rain being heavy for a time at London Airport, and thunder was heard in south-west England on the 4th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 146 over England and Wales, 132 over Scotland and 130 over Northern Ireland. A number of stations in western districts had more than 180 per cent. of their September average; among these was Plymouth Hoe with a daily mean sunshine of 9·3 hr., nearly 2 hours more than the average for June. Bolton had 190 per cent. of its average. At many places in southern England it was the sunniest September since 1911 while at Eastbourne it was the sunniest since 1895. In Scotland it was the sunniest September at Ruthwell since 1915 and at St. Andrews since 1919.

Fog. Early morning fog was frequent and occurred at one place or another in England and Wales on every day except 1st, 20th and 21st and was widespread in the Midlands and south-east England on 8th–11th. In Scotland it occurred on 21 days, being most widespread on the 4th and 5th and around the 11th.

Miscellaneous Phenomena. The aurora was seen on 18 nights in Scotland. It was observed at many places in England and Wales on the night of the 3rd/4th, being seen as far south as Chivenor. The next night also it was seen over a wide area as far south as Kew.

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

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TABLE I—DISTRICT VALUES— SEPTEMBER 1959 [1908, revised 1928, 1941 and 1956]

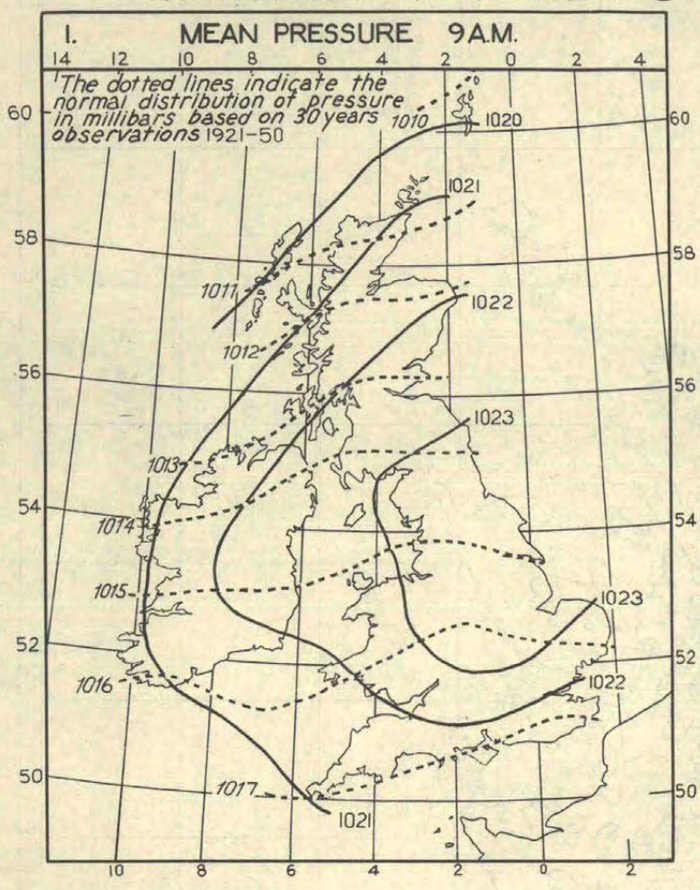
DISTRICTS	AIR TEMPERATURE Highest	Lowest	Difference from Average Max.	Min.	Mean	EARTH TEMPERATURE At 1 ft. Difference from Average	At 4 ft. Difference from Average	RAINFALL Percentage of Average	No. of Days Difference from Average	SUNSHINE Percentage of Average
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	75	29	+3·4	+1·0	+2·2	—	—	46	-12	135
Eastern 1 SCOTLAND, E.	79	29	+4·3	+1·0	+2·6	—	—	23	-10	133
2 ENGLAND, N.E.	83	28	+3·9	-0·2	+1·9	+1·6	+1·1	18	- 9	129
3 ENGLAND, E.	85	27	+3·4	+0·6	+2·0	+2·3	+2·2	5	-11	133
4 MIDLAND COUNTIES	84	28	+4·8	+0·1	+2·5	+1·8	+2·6	6	-11	146
5 ENGLAND, S.E.	86	29	+6·4	+0·9	+3·7	+2·0	+2·3	5	-11	155
Western 6 SCOTLAND, W.	80	28	+4·1	+0·4	+2·3	+1·4	+1·9	38	-11	129
7 ENGLAND, N.W. (*and N. Wales*)	82	23	+5·2	+0·8	+3·0	+1·1	+1·8	13	-13	153
8 ENGLAND, S.W. (*and S. Wales*)	84	27	+5·0	-0·8	+2·1	+2·4	+2·4	5	-13	161
NORTHERN IRELAND	80	36	+4·6	-0·3	+2·1	—	—	—	-12	130

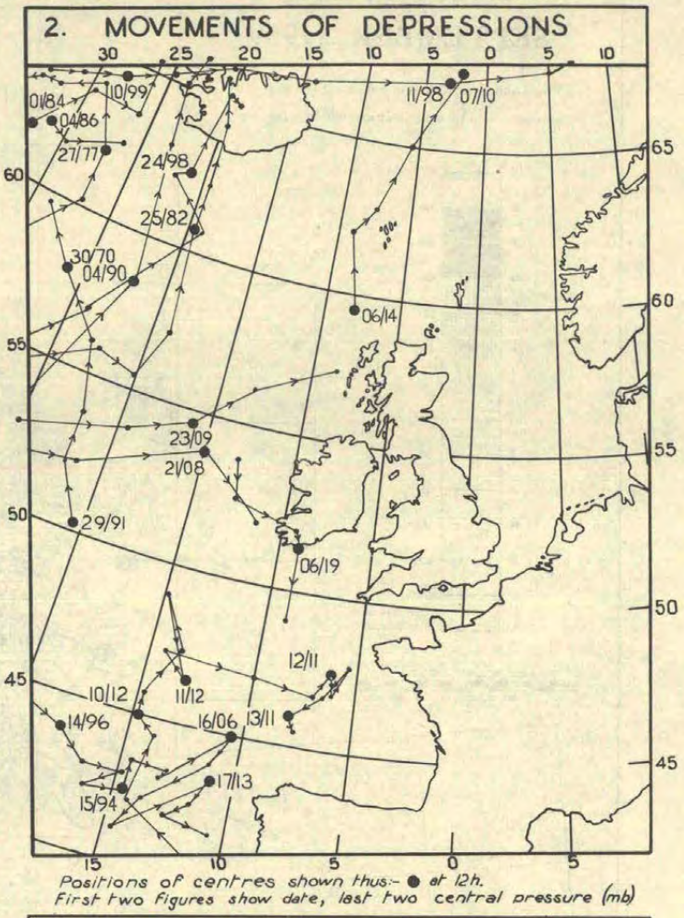
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— SEPTEMBER 1959 [1914]

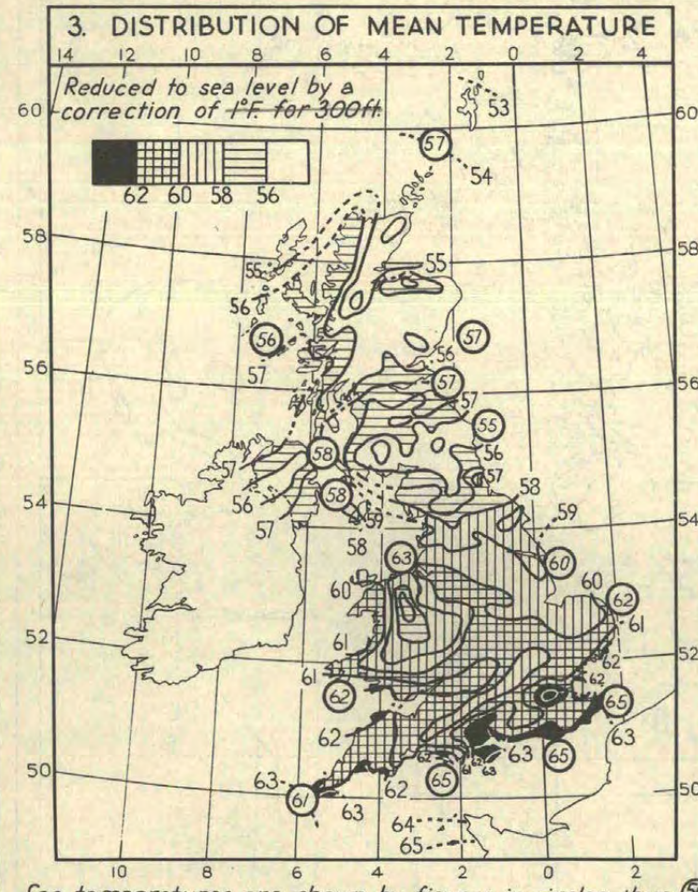
DISTRICT, COUNTY AND PLACE	Height of Vane: Above Mean Sea Level	Above Ground	Effective Height	Distribution of Mean Hourly Values of Wind Speed: 34 knots or more — Dates of Occurrence	Duration	22 to 33 knots — No. of days	Duration	11 to 21 knots — Duration	4 to 10 knots — Duration	Less than 4 knots — Duration	No Record — Duration	Mean Hourly Wind Speed	Highest Velocities: Highest Hourly Wind — Veer from N.	Speed	Hour ended at	Highest Gust — 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	8	53	363	251	53	0	11·9	280	31	22 14	53	22 1150
Orkney Grimsetter	135	51	33	-	0	4	16	231	346	127	0	8·8	280	30	22 13	59	22 0835
Caithness Dounreay	112	41	33	*													
Ross & Cromarty Stornoway (Coastguard)	120	40	36	28	1	13	107	290	202	120	0	12·4	190	34	28 17	48	28 0005
Inverness Benbecula	69	51	35	-	0	6	43	309	271	97	0	10·8	240	25	25 22	42	22 1525
1 Aberdeen Dyce	225	40	40	-	0	0	0	91	203	426	0	4·1	270	20	22 13	32	22 1255
Angus Bell Rock Lighthouse	128	131	124	-	0	7	43	241	211	225	0	8·9	100	27	30 14	37	22 1530
Perth Rannoch	1006	56	57	/													
Fife Leuchars	79	41	41	-	0	1	2	118	240	360	0	5·2	270	23	22 13	37	22 1225
Midlothian Edinburgh	485	39	23	-	0	0	0	124	332	264	0	5·8	180	20	25 20	34	22 1205
6a Argyll Tiree	89	60	47	-	0	9	77	313	197	133	0	11·3	140	26	30 06	42	22 1505
Bute Millport	50	34	34	-	0	0	0	189	170	361	0	5·8	190	20	28 13	32	22 1300
Renfrew Paisley	188	81	31	-	0	0	0	29	274	417	0	3·7	280	16	22 13	28	25 1955
Renfrew	71	41	39	-	0	0	0	54	325	341	0	4·1	260	18	22 17	32	22 1420
Ayr Prestwick Airport	35	33	33	-	0	0	0	68	388	264	0	5·4	250	18	22 13	29	22 1300
Dumfries Eskdalemuir	825	50	35	-	0	0	0	29	190	501	0	2·7	240	18	20 13	35	22 1410
ENGLAND and WALES																	
6b Isle of Man Point of Ayre	70	40	35	-	0	1	10	200	334	176	0	7·9	160	26	30 10	36	30 1020
2 Durham Durham	399	53	33	-	0	0	0	31	184	479	26	2·7	280	20	22 16	42	22 1520
South Shields	73	57	44	-	0	1	2	90	350	278	0	5·6	280	23	22 17	36	22 1715
Yorks.,E.R. Spurn Head	64	44	34	/													
Lincoln Cranwell	288	47	47	-	0	0	0	61	265	394	0	4·0	220	17	21 15	33	21 1450
3 Norfolk Gorleston	52	42	34	*													
Suffolk Mildenhall	98	83	60	-	0	0	0	76	379	265	0	5·0	240	19	21 20	31	21 1950
Felixstowe	85	75	65	-	0	0	0	221	346	153	0	8·0	110	19	30 04	32	29 2040
Bedford Dunstable	567	55	33	-	0	0	0	36	471	213	0	5·4	270	14	21 16	21	21 1530
Cardington	285	150	135	-	0	1	1	75	287	357	0	4·9	220	22	21 19	30	21 1835
Herts. Stevenage	564	111	65	-	0	0	0	90	454	176	0	6·4	110	16	29 16	33	21 2010
Essex Coryton	66	57	48	-	0	0	0	121	464	135	0	7·0	220	20	21 16	31	21 1420
Shoeburyness	115	104	89	-	0	2	4	347	299	70	0	10·4	110	23	30 06	34	17 1200
4 Yorks.,W.R. Sheffield	533	83	35														
Leicester Leicester	266	66	45	**													
Warwick Birmingham	643	118	73	-	0	0	0	16	502	202	0	5·6	230	17	21 18	30	21 1615
Stafford Keele	706	50	40	-	0	0	0	7	221	492	0	2·9	220	12	21 15	30	21 1240
Gloucester Avonmouth	92	61	33	-	0	0	0	55	233	432	0	3·7	230	21	21 18	31	21 1740
5 London Kingsway	231	160	40	-	0	0	0	93	484	143	0	6·7	090	18	30 04	29	21 1425
Middlesex Hampton	139	101	100	-	0	0	0	53	451	216	0	5·5	240	17	21 14	29	21 1335
Surrey Kew Observatory	92	75	50	-	0	0	0	122	404	194	0	6·5	070	16	4 17	28	21 1315
Kent Isle of Grain	48	40	33	-	0	0	0	141	231	348	0	5·1	050	21	17 12	30	16 1745
Dungeness	70	50	33	/													
Dover	68	38	62	-	0	0	0	334	285	101	0	9·7	030	21	13 15	39	21 1740
Sussex Thorney Island	75	65	42	-	0	0	0	35	397	288	0	4·8	250	14	21 16	27	21 1620
Hants. Southampton (Eastleigh)	95	60	41	-	0	0	0	118	403	199	0	6·3	050	17	17 10	29	4 1305
S. Farnborough	318	69	35	-	0	0	0	11	292	417	0	3·4	250	14	21 14	27	21 1255
Berks. Abingdon	295	40	40	-	0	0	0	16	299	405	0	3·3	250	15	21 18	30	21 1825
Wiltshire Larkhill	491	51	36	-	0	0	0	137	379	204	0	6·5	040	18	17 09	30	21 1425
Porton	406	44	44	-	0	0	0	103	336	281	0	5·6	070	19	17 10	28	17 1015
7a Cumberland Sellafield	83	39	35	-	0	0	0	103	311	306	0	5·1	110	17	30 01	29	30 0115
Westmorland Moor House	1960	50	45	-	0	3	3	164	300	212	41	7·0	-	23	23 05	39	29 2400
Lancashire Southport	59	41	33	-	0	0	0	111	341	268	0	5·6	080	20	16 17	32	21 1130
Speke	180	100	65	-	0	1	2	98	389	231	0	5·8	230	27	21 13	37	21 1235
Cheshire Bidston Observatory	262	64	39	-	0	0	0	33	281	386	20	-	250	14	21 12	32	21 1140
Manchester Airport	318	70	30	-	0	0	0	100	490	130	0	6·7	220	17	21 14	29	21 1340
7b Anglesey Holyhead (Valley)	76	50	40	-	0	1	5	172	360	183	0	7·2	220	30	21 12	41	21 1130
8a Cardigan Aberporth	483	41	41	-	0	1	2	182	444	92	0	8·3	140	23	29 24	37	21 1045
Pembroke Kete	249	49	37	-	0	1	4	199	400	117	0	8·4	200	27	21 13	32	29 1715
Milford Haven	246	50	35	-	0	0	0	36	420	264	0	4·9	260	16	21 14	30	21 1340
Glamorgan Port Talbot	91	40	35	-	0	1	1	209	340	170	0	7·7	310	22	21 16	32	17 1010
8b Devon Plymouth	191	88	65	-	0	0	0	153	355	212	0	6·7	-	20	17 05	-	- -
Cornwall St. Mary's, Scilly	230	65	57	-	0	0	0	247	368	91	14	8·9	100	21	14 07	40	14 0825
The Lizard	315	75	60	-	0	3	26	290	271	133	0	9·7	090	25	17 08	39	14 0645
NORTHERN IRELAND																	
Londonderry Ballykelly	52	50	35	-	0	0	0	62	318	340	0	4·5	250	17	25 20	36	25 1605
Antrim Aldergrove	281	65	55	-	0	0	0	102	391	227	0	6·0	200	18	28 12	29	25 1740
Nutts Corner	344	31	31	-	-	-	-	-	-	-	-	-	150	17	29 13	28	25 1745
CHANNEL ISLES																	
Jersey Airport	359	86	50	-	0	1	3	407	295	15	0	11·3	060	23	14 15	35	14 1355

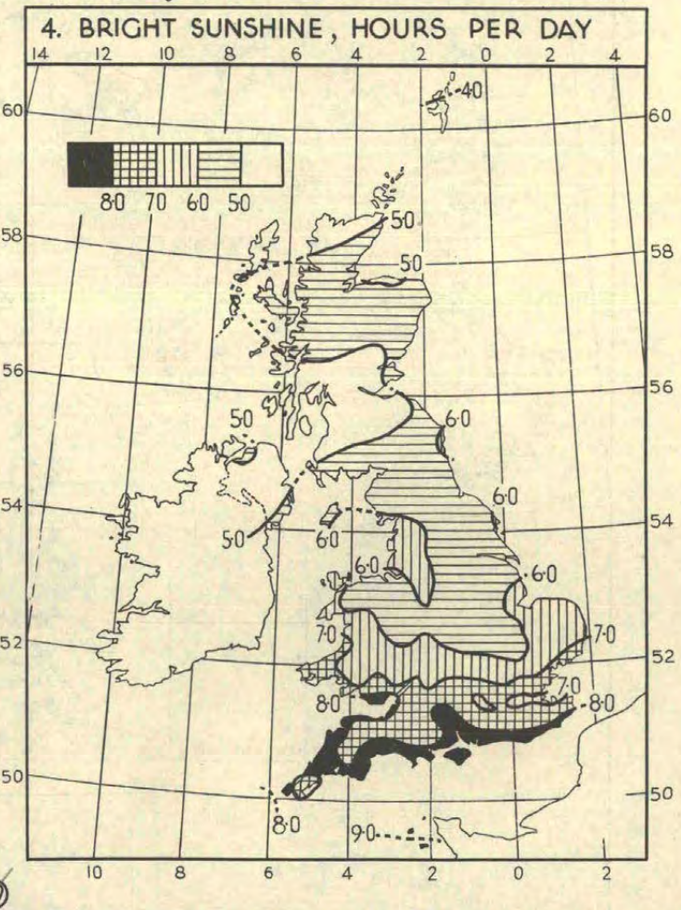
* Anemograph dismantled for re-erection.
** Anemograph out of order.
/ Defective record

MONTHLY WEATHER CHARTS SEPTEMBER 1959









Sea temperatures are shown by figures in circles, thus: (50)

A.M. Form 1483

C.B.H. 26456-WL.44536-Dd.BK. 2328-125-9/55

RAINFALL
SEPTEMBER 1959

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

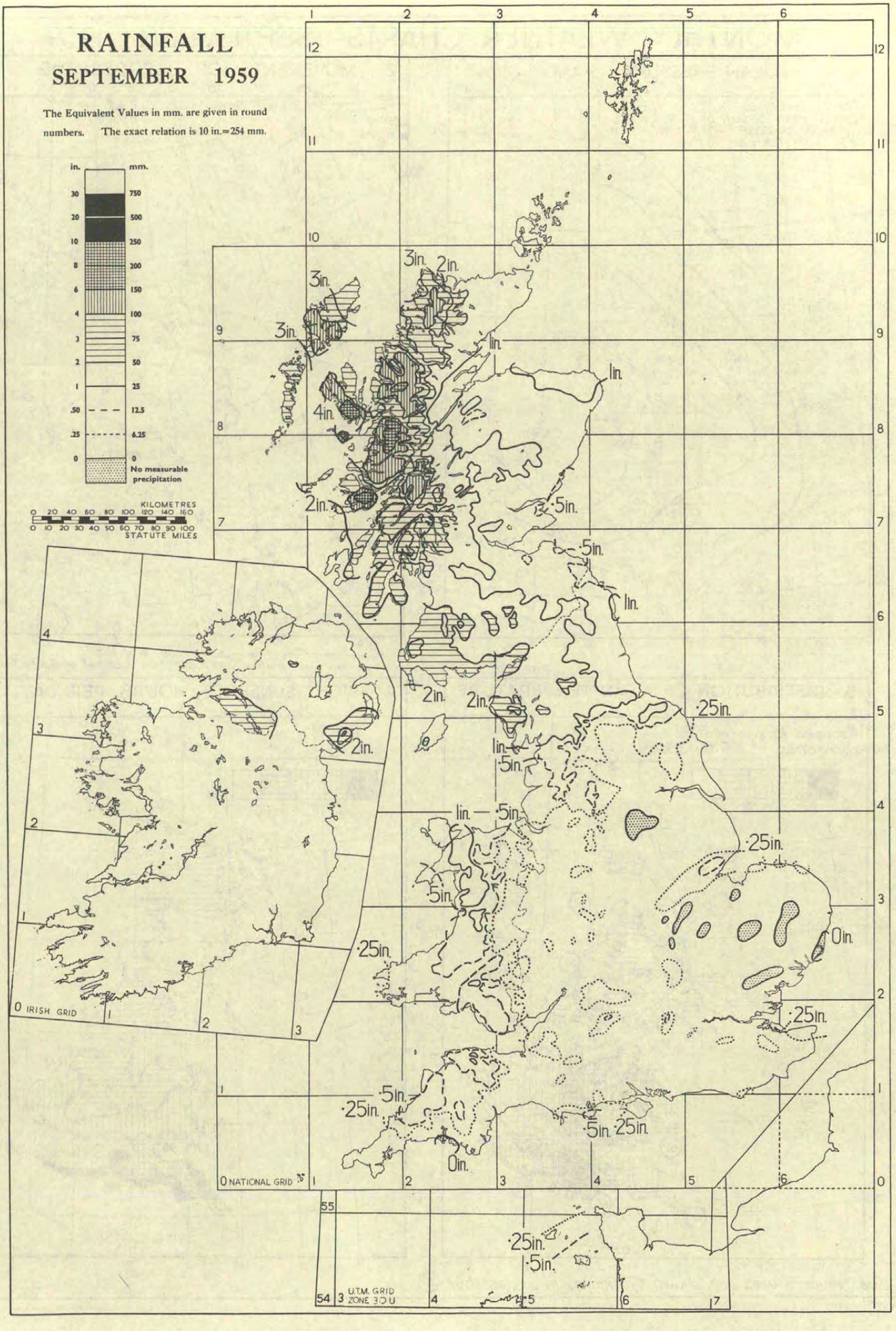


TABLE III —SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	56·9	47·9	52·4	+1·8	63	5	37	24	–	–	1·33	35	·45	27	10	5	0	0	2	0	0	0	1	1	4·06	116
	Baltasound ...	9 9 9	78	57·5	47·7	52·6	–	66	5,6	37	24	51·6	–	1·55	38	·42	27	12	9	1	0	0	0	0	0	–	1	3·74	–
Orkney	Sule Skerry ...	9 9 9	43	58·2	51·7	54·9	–	65	5	46	17	–	–	2·41	–	·57	21	15	8	0	0	0	0	0	0	0	0	–	–
	Grimsetter ...	21–9 9	84	60·3	48·2	54·3	–	68	11	40	17	–	–	1·25	33	·40	21	10	7	0	0	1	0	0	0	0	0	4·87	–
Caithness	Wick ... ¶§	21–9 9	119	60·4	48·2	54·3	+2·2	68	10,11	36	17	–	–	1·03	36	·35	22	5	5	0	0	0	0	0	0	0	0	4·96	127
Sutherland	Cape Wrath ...	21–9 9	367	58·5	51·6	55·1	–	73	30	43	22	–	–	3·22	70	·52	27	13	9	0	0	0	0	0	0	0	0	–	–
	Lairg (Achany) ...	9 9 9	240	64·5	42·7	53·6	–	75	8	33	17,18	55·1	53·8	1·75	–	·63	22	10	7	0	0	0	0	3	0	13	0	–	–
	Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9 9 9	120	63·3	45·2	54·3	–	74	8	32	17	–	–	1·73	–	·48	26	12	6	0	0	0	0	0	1	–	–	4·68	–
Ross & Cromarty	Stornoway ¶§	21–9 9	11	60·5	49·0	54·7	+2·1	67	11	37	17	–	–	2·74	73	·65	26	12	10	0	0	0	0	0	0	2	0	4·67	130
	Achnashellach ...	9 9 9	220	63·1	45·4	54·3	+1·9	73	30	36	17	–	–	4·93	69	·75	27	14	13	–	0	0	0	1	0	–	–	–	–
	Kinlochewe ...	9 9 9	76	64·5	47·5	56·0	–	74	11,30	37	17	–	–	2·58	–	·53	19	12	10	0	0	0	0	0	0	0	0	4·12	–	S
	Garve (Inchbae)	9 9 9	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Fortrose ... ¶§	9 9 9	15	62·0	51·4	56·7	+2·8	72	10,11	45	14	–	–	·65	29	·20	24	7	4	0	0	0	0	0	0	–	0	5·46	145
	Tarbathness ...	21–9 9	60	58·5	50·2	54·3	–	72	8	44	14	–	–	·58	–	·20	22	11	3	0	0	0	0	0	0	–	0	–	–
Inverness	Benbecula ...	21–9 9	19	60·8	51·0	55·9	–	67	5	40	14	–	–	2·59	61	·76	23	13	9	0	0	0	0	0	0	0	0	5·16	–
	Isle of Rhum ...	9 9 9	15	63·1	50·5	56·8	–	73	11	41	17	58·1	–	6·09	–	1·15	26	12	11	0	0	0	0	0	0	2	–	–	–
	Duntulm ...	9 9 9	294	60·4	50·4	55·4	–	69	8	42	17	–	–	3·59	71	·95	26	11	11	0	0	0	0	1	0	0	0	5·13	–	S
	Onich ... §	9 9 9	48	62·3	47·5	54·9	–	71	11	37	17	–	–	4·00	55	·92	24	12	11	0	0	0	0	1	0	3	0	4·46	159	S
	Fort William ¶	9 9 9	34	64·4	47·4	55·9	+2·1	73	11	36	17	55·0	54·7	3·13	45	·61	24	13	10	0	0	0	0	1	0	1	0	5·05	–
	Fort Augustus ...	9 9 9	70	63·9	46·4	55·1	+2·2	74	10,30	34	17	–	–	·97	–	·28	24	10	6	0	0	0	0	2	0	–	0	5·77	–
	Cannich	9 9 9	350	64·5	39·6	52·1	–	73	10,11	29	17	–	–	·95	–	·36	22	11	7	0	0	0	0	0	3	14	0	–	–
	Dalwhinnie ...	18–9 9	1176	–	–	–	–	–	–	–	–	–	–	·74	18	·18	20	9	6	–	–	–	–	–	–	–	–	–	–
	Inverness ...	9 9 9	13	64·6	48·4	56·5	–	75	10	38	18	–	–	·55	–	·23	24	6	4	0	0	0	0	1	0	1	0	5·54	–
	Kincraig	9 9 9	780	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenmore Lodge	9 9 9	1120	62·8	41·2	52·0	–	73	10	30	15,17	–	–	·55	–	·22	24	6	5	0	0	0	0	1	4	13	0	5·32	–	S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	64·4	47·2	55·8	+2·2	75	30	36	14	–	–	·57	25	·19	24	5	5	0	0	0	0	0	0	1	0	5·58	145
Moray	Grantown-on-Spey	9 9 9	720	65·2	40·4	52·8	–	75	10	30	14	–	–	·51	–	·21	24	9	5	–	0	–	–	1	2	4	–	–	–
	Forres	9 9 9	155	65·7	48·3	57·0	–	77	9	35	14	57·4	56·2	·78	33	·19	20	10	8	0	0	0	0	0	0	0	0	4·69	–
	Kinloss ...	21–9 9	15	64·3	47·8	56·1	–	76	30	34	14	–	–	·73	–	·18	24	9	7	0	0	0	0	0	1	0	0	5·03	–
	Findhorn ...	21 21 9	20	63·8	50·0	56·9	–	74	30	40	14	–	–	·71	–	·20	20	8	6	0	0	–	0	0	0	0	0	–	–
	Elgin ... ... §	9 9 9	92	65·0	48·9	56·9	–	74	5,8,11	35	14	–	–	·79	–	·25	24	10	5	0	0	0	0	0	0	0	0	4·57	–
	Gordon Castle ...	9 9 9	104	64·9	46·4	55·7	+2·0	75	5,6	35	14	–	–	·96	31	·30	24	8	6	–	0	0	0	0	0	–	0	4·97	130	S
Banff	Glenlivet... ...	9 9 9	1085	62·5	40·9	51·7	–	73	8,10	29	8	52·0	–	·57	17	·14	24	10	6	0	0	0	0	0	3	11	0	5·09	–
	Banff	9 9 9	80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aberdeen	Braemar	9 9 9	1113	62·5	41·7	52·1	+2·2	74	10	31	19	–	–	·64	22	·23	20	9	4	0	0	0	0	0	0	3	4	4·94	–	S
	Balmoral... ...	9 9 9	927	63·5	41·6	52·5	+2·1	75	10	32	8,18	–	–	·91	32	·31	12	9	5	0	0	0	0	0	0	2	4	0	–	–
	Logie Coldstone	9 9 9	608	65·2	42·3	53·7	+2·1	76	8	32	18	–	–	·54	–	·16	20,24	8	4	0	0	0	0	0	0	1	0	–	–
	Fyvie Castle ...	9 9 9	218	64·5	42·5	53·5	–	76	12	31	8	–	–	·86	–	·26	24	8	8	0	0	0	0	0	1	2	3	–	–
	Craibstone ¶§	9 9 9	300	63·3	46·6	54·9	+2·3	76	9	39	8	55·3	55·2	·62	20	·17	24	10	4	0	0	0	0	0	0	0	0	5·41	–
	Dyce	21–9 9	190	64·3	44·8	54·5	–	77	9	36	18	–	–	·60	19	·20	24	6	4	0	0	0	0	0	1	0	0	5·82	135
	Aberdeen ...	9 9 9	170	63·2	46·4	54·8	–	76	9	39	8,18	–	–	·61	21	·23	24	8	3	0	0	0	0	0	0	0	0	5·67	–
	Udny	9 9 9	363	63·1	46·5	54·8	–	73	9,11	41	8,14	–	–	·73	–	·22	24	8	4	0	0	0	0	0	0	–	0	6·01	–
	Rattray Head ...	21–9 9	85	60·5	49·6	55·1	–	72	9	43	27	–	–	1·39	48	·42	22	11	8	0	0	0	0	1	0	0	0	5·65	–
Kincardine	Fettercairn ...	9 9 9	560	63·4	45·7	54·5	–	74	9,11	40	8,27,28	–	–	·75	–	·21	24	9	6	0	0	0	0	0	0	2	0	5·92	–
	Stonehaven ...	9 9 9	12	61·8	45·2	53·5	–	76	9	39	8,19	–	–	·58	21	·23	24	5	5	0	0	0	0	0	0	–	0	5·28	–	S
	Muchalls ...	9 9 9	210	61·6	47·9	54·7	–	78	9	43	8,22,27	–	–	·64	–	·20	24	6	4	0	0	0	0	0	0	–	0	5·59	–
Angus	Dundee (Mylnefield)	9 9 9	100	64·4	46·6	55·5	–	77	11	37	18	56·5	55·7	·52	–	·20	20	8	3	0	0	0	0	0	0	0	0	–	–
	Dundee ... ¶	9 9 9	147	65·3	48·5	56·9	+2·9	76	9,11	42	18,19	56·8	–	·76	28	·22	20	8	6	0	0	0	0	0	0	0	0	5·38	–
	Glamis Castle ...	9 9 9	200	64·6	42·2	53·4	–	77	11	34	4	–	–	·67	–	·22	24	10	5	0	0	0	0	0	0	7	0	–	–
	Buddon Ness ...	9 9 9	15	63·3	44·9	54·1	–	75	11	36	8,18,24	–	–	·55	22	·20	20	7	5	0	0	–	0	0	2	0	–	0	–	–
	Carnoustie ...	9 9 9	29	64·6	48·9	56·7	–	77	11	42	4,27	61·1	–	·52	20	·20	20	6	4	0	0	0	0	1	0	0	0	6·04	–
	Arbroath... ...	9 9 9	95	62·0	47·9	54·9	+1·2	73	9	41	18	–	–	·45	18	·16	20	6	4	0	0	0	0	1	0	0	0	5·93	130
	Montrose... ...	9 9 9	200	62·2	46·7	54·5	–	71	8	38	18	–	–	·68	26	·21	24	7	4	0	0	0	0	0	0	–	0	–	–
Perth	Strathyre ...	9 9 9	425	62·9	43·3	53·1	–	74	11	33	17	56·7	56·5	1·57	–	·38	25	6	6	0	0	0	0	0	0	2	0	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	64·2	45·7	54·9	–	74	10	37	17	–	–	·78	–	·21	21	7	5	0	0	0	0	3	0	0	0	–	–
	Pitlochry ...	9 9 9	473	64·0	41·9	52·9	–	76	11	29	17	–	–	1·07	–	·32	20	8	6	0	0	0	0	2	1	3	0	5·34	–
	Pitlochry (Faskally)	9 9 9	310	64·7	44·4	54·5	–	76	11	32	17	57·6	57·2	1·10	–	·34	20	8	5	0	0	0	0	3	1	2	0	–	–
	Perth	9 9 9	77	65·5	45·5	55·5	+1·3	77	11	35	18	–	–	·56	21	·19	20	7	5	0	0	0	0	1	0	0	0	5·03	123
	Blairgowrie ...	9 9 9	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenshee Lodge	9 9 9	1100	62·7	39·7	51·2	–	74	11	30	17	54·7	–	1·11	–	·28	20,24	11	5	0	0	0	0	1	4	9	0	–	–
Fife	Kirkcaldy ...	9 9 9	137	63·9	47·5	55·7	+1·3	77	11	41	18,27	–	–	·74	27	·37	20	6	5	0	0	0	0	0	0	0	0	5·33	117
	Cupar	9 9 9	82	65·2	43·0	54·1	–	76	11	32	18	56·7	–	·56	–	·27	20	6	4	0	0	0	0	0	1	0	0	–	–
	Lundin Links ...	9 9 9	40	64·6	48·7	56·7	–	74	10	40	18	–	–	·65	–	·32	20	6	5	0	0	0	0	0	0	–	0	5·78	–
	Leuchars... ...	21–9 9	33	64·4	48·4	56·4	+2·4	76	11	41	27	–	–	·44	18	·21	20	8	2	0	0	0	0	2	0	0	0	5·73	127
	St. Andrews ...	9 9 9	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Midlothian	Balerno	9 9 9	700	65·5	46·4	55·9	–	76	11	37	18	–	–	·56	–	·29	21	3	3	0	0	–	–	–	0	2	–	4·64	–
	Midcalder ...	9 9 9	400	65·0	45·6	55·3	–	77	11	37	18	–	–	·73	–	·44	20	6	3	0	0	0	0	0	0	0	0	–	–
	Turnhouse ...	21–9 9	114	65·7	46·2	55·9	–	77	11	35	18	–	–	·66	26	·45	20	5	3	0	0	0	0	0	0	1	0	4·44	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	64·8	47·4	56·1	–	75	9,11	37	18	–	–	·63	–	·43	20	5	3	0	0	0	0	0	0	1	0	–	–
	Davidson's Mains	9 9 9	200	64·7	48·3	56·5	–	75	9,11	39	27	–	–	·75	–	·48	20	5	5	0	0	0	0	0	0	0	0	4·54	–
	Penicuik ...	9 9 9	620	64·9	44·6	54·7	–	78	11	35	18	55·3	–	·62	–	·33	20	6	3	0	0	0	0	0	0	0	0	4·20	–	S
	Bush House ...	9 9 9	605	63·4	45·5	54·5	–	75	11	35	18	55·5	56·5	·55	–	·30	20	6	3	0	0	0	0	0	0	–	0	4·08	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	64·4	50·7	57·5	+3·4	76	11	43	18	–	–	·47	18	·33	20	3	2	0	0	0	0	0	0	0	0	4·82	114
	Liberton ...	9 9 9	200	67·3	47·0	57·1	–	76	11	38	18	–	–	·42	–	·31	20	3	2	0	0	0	0	0	0	–	0	4·57	–
	Botanic Garden	9 9 9	74	65·6	46·9	56·3	–	75	9	37	27	56·2	–	·57	–	·42	20	5	3	0	0	0	0	0	0	3	0	4·87	–
E. Lothian	Haddington ...	9 9 9	162	65·0	45·6	55·3	–	76	11	34	18	–	–	·55	–	·30	20	6	3	0	0	0	0	0	0	0	0	5·36	–
	North Berwick ...	9 9 9	51	64·7	50·5	57·6	+3·0	75	11	43	27	–	–	·59	24	·35	20	8	3	0	0	0	0	2	0	–	0	5·11	125
	Dunbar	9 9 9	75	63·9	49·8	56·9	–	73	11	41	18	–	–	·44	–	·26	20	6	2	0	0	0	0	0	0	0	0	6·04	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation (Max. Min. Rain)	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1 SCOTLAND, E.—cont.																												
Berwick Marchmont ¶§	9 9 9	498	65·0	46·0	55·5	+2·4	76	9	40	27	–	–	·57	22	·34	20	4	4	0	0	0	0	0	0	–	–	5·28	138 S
St. Abb's Head ...	9 9 9	245	60·2	52·1	56·1	–	70	11	45	27	–	–	·55	–	·27	20	5	4	0	0	0	0	1	0	0	0	–	–
Peebles Broughton ...	9 9 9	741	63·7	43·4	53·5	–	77	11	32	27	–	–	1·04	–	·55	20	5	5	0	0	0	0	0	1	2	0	–	–
Blyth Bridge ...	9 9 9	830	63·1	44·9	54·0	–	76	10	37	6	–	–	·78	–	·42	20	5	4	0	0	0	0	0	0	6	0	4·68	–
West Linton ...	9 9 9	800	63·4	41·6	52·5	–	76	10	35	5, 18, 27	55·1	56·3	·87	–	·51	20	6	3	0	0	0	0	0	0	6	0	–	–
Peebles	9 9 9	645	64·2	43·7	53·9	–	77	11	33	27	–	–	·78	–	·39	20	6	5	0	0	0	0	0	0	1	0	4·53	–
Selkirk Selkirk (Bowhill)	9 9 9	600	65·2	44·0	54·6	–	78	10,11	34	27	–	–	1·03	–	·72	20	6	3	0	0	0	0	0	0	–	0	–	–
Roxburgh Hawick (Wauchope)	9 9 9	560	65·2	42·4	53·8	–	79	11	34	27	–	–	·79	–	·50	20	4	3	–	–	–	0	0	0	–	–	–	–
Sourhope ...	9 9 9	900	64·6	47·6	56·1	–	79	10	39	27	–	–	1·02	–	·72	20	4	4	0	0	0	0	0	0	1	0	5·64	–
6a SCOTLAND, W.																												
Argyll Tiree ... ¶§	21-9 9	29	61·3	52·3	56·8	+2·6	66	11	41	16	–	–	2·12	51	·80	23	12	7	0	0	0	0	0	0	2	0	4·56	110
Rhuvaal	21-9 9	47	62·0	52·4	57·2	–	72	11	46	27	–	–	1·71	–	·54	20	9	6	0	0	0	0	0	0	0	0	–	–
Colonsay ...	9 9 9	87	63·3	50·0	56·7	–	73	11	41	15	–	–	1·93	39	·49	23	22	9	–	–	–	–	3	0	–	–	–	–
Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loch Shiel (Polloch)	9 9 9	33	63·9	47·5	55·7	–	75	11	37	17	–	–	3·98	–	·80	24	14	10	0	0	0	0	0	0	0	0	–	–
Tarbert (Achaglachgach)	9 9 9	40	64·4	46·3	55·3	–	75	10,11,12	39	27	–	–	2·45	–	·91	20	8	6	0	0	0	0	0	0	0	0	–	–
Lephinmore ...	9 9 9	30	63·7	48·1	55·9	–	72	10	40	17	–	–	2·93	–	·77	25	10	9	0	0	0	0	1	0	0	0	4·55	– S
Glenbranter ...	9 9 9	120	64·7	44·6	54·7	+1·7	74	10	36	20	–	–	2·72	33	·87	20	8	7	0	0	0	0	2	0	0	0	–	–
Dunoon Waterworks	9 9 9	228	64·1	48·8	56·5	–	73	10,11,12	44	14,18,27	–	–	2·02	–	·71	20	8	6	–	0	–	–	0	0	0	0	–	–
Dunoon (Benmore)	9 9 9	46	66·3	42·6	54·5	–	77	3, 5	31	14	55·2	57·4	2·51	31	·93	20	8	8	0	0	0	0	1	1	1	0	–	–
Bute Rothesay ¶§	9 9 9	150	63·0	50·8	56·9	+2·8	71	10,12	44	27	56·4	56·4	1·87	37	·66	20	8	5	0	0	0	0	8	0	0	0	4·79	128
Millport	9 9 9	16	63·3	52·0	57·7	–	72	10,11	47	26,27	–	–	1·61	39	·55	20	7	6	0	0	0	0	0	0	–	0	–	–
Dunbarton Helensburgh ...	9 9 9	293	64·0	48·5	56·3	+2·5	75	11	41	27	–	–	1·83	38	·86	20	8	6	0	0	0	0	2	0	–	0	4·13	118
Stirling Stirling	9 9 9	151	64·3	48·1	56·2	+1·8	75	11	39	18	56·8	57·4	·79	23	·31	20	5	5	0	0	0	0	0	0	0	0	–	–
Falkirk	9 9 9	100	67·8	47·3	57·5	–	79	10,11	38	18	–	–	·89	28	·35	20	6	5	0	0	0	0	0	0	–	0	–	–
Renfrew Greenock ...	9 9 9	200	63·6	50·7	57·1	+2·4	72	11	42	14	–	–	1·71	32	·71	20	8	7	0	0	0	0	2	0	0	0	4·16	117 S
Paisley	9 9 9	106	64·9	49·4	57·1	+2·2	76	10	42	14	57·0	56·4	1·04	27	·53	20	6	5	0	0	0	0	7	0	0	0	4·58	121
Barrhead ...	9 9 9	97	64·7	45·9	55·3	–	77	10,11	35	14	–	–	·97	–	·47	20	5	5	0	0	0	0	1	0	0	0	–	–
Renfrew ... ¶§	21-9 9	26	65·8	47·1	56·5	+2·5	80	10	37	14	–	–	1·00	28	·46	20	6	5	0	0	0	0	0	0	0	0	4·28	116
Lanark Thorntonhall ...	9 9 9	453	63·2	45·9	54·5	–	75	10,11	36	14	–	–	·91	–	·46	20	5	5	0	0	0	0	–	0	1	0	–	–
Glasgow, Spr. Pk.	9 9 9	351	64·3	48·6	56·5	–	74	10,11	41	27	–	–	1·38	38	·52	20	7	7	0	0	0	0	0	0	0	0	4·11	–
Coatbridge ...	9 9 9	256	65·3	47·2	56·3	–	79	10,11	40	14,18,27	–	–	1·00	–	·47	20	6	5	0	0	0	0	0	0	–	0	–	–
Coalburn ...	9 9 9	920	61·8	44·7	53·3	–	75	11	36	14,16	55·5	–	1·13	–	·49	20	6	5	0	0	0	0	0	0	6	0	4·82	–
Leadhills ...	9 9 9	1270	61·7	43·4	52·5	–	75	11	33	27	–	–	1·81	–	1·00	20	6	5	0	0	0	0	0	0	2	0	–	–
Carnwath ...	9 9 9	706	63·7	43·3	53·5	–	78	11	33	27	–	–	·88	–	·40	20	7	5	0	0	0	0	1	0	7	0	–	–
Ayr Colmonell ...	9 9 9	170	64·1	46·5	55·3	+0·8	74	10	37	27	–	–	2·02	49	1·09	20	6	5	–	0	–	–	11	0	2	–	–	–
Turnberry ...	9 9 9	25	64·2	49·8	57·0	+1·8	73	11	43	17	–	–	1·90	–	·87	20	6	6	–	0	–	–	0	0	–	–	4·67	–
Largs (Woodbank)	9 9 9	25	65·4	49·4	57·4	–	77	10	41	27	–	–	1·63	36	·61	20	6	5	–	0	–	–	0	0	1	–	–	–
Barr	9 9 9	400	64·5	43·2	53·9	–	78	10	32	27	–	–	2·54	–	1·15	20	6	6	0	0	0	0	0	1	–	0	–	–
Auchincruive ...	9 9 9	147	64·1	47·7	55·9	–	76	10	39	27	56·1	56·0	1·46	39	·73	20	6	4	0	0	0	0	0	0	0	0	4·82	–
Prestwick ...	9 9 9	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Prestwick Airport	21-9 9	30	64·9	49·0	56·9	–	77	10	40	27	–	–	1·43	41	·66	20	6	5	0	0	0	0	0	0	0	0	4·95	–
Kilmarnock ...	9 9 9	115	–	48·5	–	–	–	–	42	14,27	57·8	60·5	1·27	–	·55	20	6	5	0	0	0	0	0	0	0	0	–	–
Dumfries Moniaive (Dalmacallan)	9 9 9	480	63·1	44·3	53·7	–	76	11	33	27	–	–	1·76	–	1·07	20	6	5	–	0	–	–	4	0	3	–	–	–
Dumfries ... ¶§	9 9 9	140	65·5	46·9	56·2	+2·0	78	11	35	27	57·7	57·4	1·52	41	·76	20	5	5	0	–	0	0	1	0	0	0	5·06	136
Ruthwell... ...	9 9 9	95	66·7	44·4	55·5	+1·1	80	10	31	27	–	–	1·86	56	1·05	20	6	5	0	–	0	0	–	1	–	0	5·12	143 S
Eskdalemuir ¶§	21-9 9	794	63·5	43·3	53·4	+1·4	77	11	28	27	57·0	55·6	1·81	34	1·04	20	6	5	0	0	0	0	1	1	1	0	5·09	153
Kirkcud-bright Bargrennan ...	9 9 9	360	64·3	44·7	54·5	–	77	11	37	28	–	–	2·30	–	1·01	20	7	5	0	0	0	0	0	0	1	0	–	–
Palnure	9 9 9	50	65·0	44·0	54·5	–	76	11,12	33	27	–	–	2·23	–	1·39	20	5	5	0	0	0	0	0	0	–	0	–	–
Glenlee	9 9 9	181	65·6	41·5	53·5	–	78	11	31	27	–	–	1·76	–	·95	20	6	5	0	0	0	0	2	1	1	0	–	–
Carsphairn (Dundeugh)	9 9 9	390	64·6	40·6	52·6	–	78	11	29	27	–	–	1·67	–	·76	20	6	5	0	0	0	0	1	1	–	0	–	–
Glenlochar Barrage	9 9 9	154	65·1	45·8	55·5	–	78	11	33	27	–	–	1·77	–	·83	20	5	5	–	0	–	–	2	0	–	–	–	–
Castle Douglas ...	9 9 9	196	64·5	43·5	54·0	–	78	11	31	27	55·5	–	1·35	–	·46	20	5	5	–	0	–	–	2	1	9	–	5·30	–
Wigtown Stranraer (Penwhirn)	9 9 9	546	62·4	45·5	53·9	–	74	11	36	27	–	–	3·10	–	1·66	20	5	5	0	0	0	0	1	0	0	0	5·24	–
Mull of Galloway	21-9 9	257	63·0	53·7	58·3	–	72	12	47	26	–	–	1·69	–	1·01	20	7	4	0	0	0	2	2	0	–	0	–	–
6b ISLE OF MAN																												
Isle of Man Ronaldsway ...	21-9 9	55	64·0	51·5	57·7	–	74	11	40	27	–	–	1·57	49	·65	20	4	4	0	0	0	0	0	0	0	0	5·60	–
Douglas	9 9 9	284	63·3	53·2	58·3	+3·1	73	11	44	27	–	–	1·35	32	·65	20	4	4	0	0	0	0	0	0	0	0	6·03	130
Point of Ayre ...	21-9 9	30	65·6	52·2	58·9	–	72	8,9, 11	42	27	–	–	1·42	49	·74	20	5	4	0	0	0	0	1	0	–	0	5·81	–
2 ENGLAND, N.E.																												
Northum-berland Kielder Castle ...	9 9 9	660	63·0	40·0	51·5	–	75	10	28	27	56·4	–	1·19	27	·75	20	5	3	0	0	0	0	0	4	5	0	–	–
Bellingham ...	9 9 9	849	63·4	44·8	54·1	+2·1	76	10	35	27	–	–	1·07	33	·59	20	5	4	0	0	0	0	1	0	–	–	–	–
Allendale Town ...	9 9 9	795	64·1	44·5	54·3	–	77	8, 10	35	27	–	–	·94	–	·46	21	6	3	0	0	0	0	0	0	7	0	–	–
Haydon Bridge ...	9 9 9	270	66·6	41·9	54·3	–	79	8	33	29	55·8	55·6	·84	–	·42	21	5	5	0	0	0	0	1	0	2	0	5·21	–
Berwick-on-Tweed	9 9 9	76	62·5	47·6	55·1	+1·2	74	9	40	27	–	–	·58	29	·30	20	6	4	0	0	0	0	0	0	0	0	5·77	130
Cockle Park ¶§	9 9 9	326	65·3	44·6	54·9	+1·2	77	9	37	5	56·1	56·6	·78	32	·43	20	6	3	0	0	0	0	0	0	0	0	5·50	131
Acklington ...	21-9 9	138	64·1	45·6	54·9	–	77	9	38	27	–	–	1·17	–	·81	20	5	3	0	0	0	0	0	0	0	0	6·05	–
Tynemouth ...	21-9 9	95	61·6	51·2	56·4	+0·7	69	12,25	44	27	–	–	·73	32	·34	20	5	4	0	0	0	0	5	0	0	0	5·29	–
Durham Chopwellwood ...	9 9 9	446	66·1	46·9	56·5	+2·5	80	8, 9,12	39	27	–	–	·93	38	·38	21	8	3	0	0	0	0	1	0	5	0	–	–
Ushaw College ...	9 9 9	594	65·8	48·0	56·9	+2·5	83	10	41	27	–	–	·70	27	·45	21	4	3	0	0	0	0	0	0	–	0	–	–
Houghall... ...	9 9 9	160	67·1	41·8	54·5	-0·4	82	9	29	27	–	–	·74	30	·46	21	5	3	0	0	0	0	0	1	18	0	5·13	131 S
Durham ... ¶§	9 9 9	336	66·9	46·0	56·5	+1·9	81	8	37	27	57·4	56·7	·70	30	·45	21	4	3	0	0	0	0	–	0	1	0	5·41	134
Gateshead ...	9 9 9	509	64·3	50·0	57·1	–	78	9	43	27	–	–	·78	–	·35	20	3	3	–	0	–	–	1	0	0	–	5·73	–
Middleton St. Gge.	21-9 9	115	67·5	46·5	57·0	–	80	8, 9,10	37	27, 29	–	–	·95	–	·52	21	5	2	0	0	0	0	1	0	0	0	5·31	–
West Hartlepool	9 9 9	30	65·4	50·2	57·8	–	78	7	39	27	–	–	·90	–	·48	21	4	2	0	0	0	0	1	0	0	0	5·73	–
Yorks., N. Riding Dishforth ...	21-9 9	106	68·4	48·1	58·3	–	81	10	36	27	–	–	·14	7	·08	20	3	2	0	0	0	0	0	1	0	0	5·35	–
York ... ¶§	9 9 9	57	69·0	49·4	59·2	+2·5	83	9	38	27	59·2	58·7	·17	8	·05	17,21	5	3	0	0	0	0	1	0	–	0	4·99	124
Ampleforth ...	9 9 9	313	66·7	48·8	57·7	–	78	9, 10	38	27	–	–	·33	13	·14	21	5	3	–	–	–	–	0	0	0	–	–	–

°C -29 -25 -20 -15 -10 -5 0

°F -20 -13 -4 5 14 23 32

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in.(0·2 mm.) or more	Precip'n ·04 in.(1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding Redcar	9 9 9	25	65·9	–	–	–	80	7	–	–	–	–	1·16	56	·71	21	7	3	0	0	0	0	3	–	–	0	5·04	–
Whitby	9 9 9	135	65·0	48·2	56·6	–	77	7, 8,10	38	27	–	–	·55	26	·36	21	4	3	0	0	0	0	4	0	1	0	5·92	–
cont. Scarborough	¶§ 9 9 9	118	64·7	52·9	58·8	+1·5	77	7	44	22,27	–	–	·38	18	·16	21	7	4	0	0	0	0	2	0	0	0	5·82	131
Silpho Moor	9 9 9	665	63·7	49·6	56·7	–	76	8	42	27	55·7	–	·40	–	·18	21	6	4	–	0	–	–	–	0	4	–	–	–
Yorks., E. Riding High Mowthorpe	9 9 9	574	66·1	48·8	57·5	–	79	9	39	27	55·6	–	·39	–	·15	15	6	3	0	0	0	0	2	0	5	0	5·64	–
Leconfield	21–9 9	29	67·4	47·3	57·3	–	80	9, 10	35	27	–	–	·16	–	·06	24	5	2	0	0	0	0	2	0	1	0	5·66	–
Hull	9 9 9	8	67·1	50·3	58·7	+1·1	79	9	38	27	59·8	58·0	·27	13	·19	24	2	2	0	0	0	0	1	0	1	0	5·32	124
Filey	9 9 9	122	64·0	48·7	56·3	–	76	7	37	27	–	–	·37	–	·22	15	6	2	0	0	0	0	1	0	0	0	5·75	–
Bridlington	9 9 9	157	64·4	49·5	56·9	–	72	10	40	27	–	–	·26	–	·09	21	5	3	0	0	0	1	0	0	0	0	5·96	–
Spurn Head	21–9 9	29	64·2	55·5	59·9	+2·0	72	20	49	27	–	–	·19	–	·19	2	1	1	0	0	0	1	1	0	0	0	5·79	122
Lincoln Gunby	9 9 9	443	(68·4)	(47·2)	(57·8)	–	80	11	(35)	27	–	–	·12	–	·04	16,17	5	2	–	0	–	–	–	0	–	–	–	–
Waddington	21–9 9	224	68·4	49·8	59·1	–	80	11	40	27	–	–	·09	–	·06	21	2	1	0	0	0	0	2	0	1	0	5·90	–
Lincoln	9 9 9	22	69·2	45·3	57·3	–	81	11	28	27	59·5	59·6	·06	–	·05	21	2	1	0	0	0	0	2	1	2	0	5·56	–
Cranwell	¶§ 9 9 9	205	68·6	49·2	58·9	+2·2	81	11	42	27	60·8	62·5	·08	4	·05	21	3	1	0	0	0	0	1	0	0	0	5·78	126
Horncastle	9 9 9	205	68·7	49·4	59·1	–	81	11	38	27,28	59·2	58·6	·18	–	·10	15	5	2	0	0	0	0	0	1	0	0	–	–
Cleethorpes	9 9 9	23	66·1	52·9	59·5	–	73	9	44	27,28	–	–	·26	–	·22	2	3	1	0	0	0	0	3	0	0	0	5·78	–
Manby	21–9 9	55	67·2	49·1	58·1	–	77	9	40	27	–	–	·31	–	·24	1	3	1	0	0	0	0	0	0	0	0	5·86	–
Skegness	9 9 9	15	64·8	53·5	59·1	+1·8	69	9,10	43	28	–	–	·13	7	·05	15	5	1	0	0	0	0	1	0	0	0	6·38	133
3 ENGLAND, E.																												
Norfolk Terrington St. Clement	9 9 9	13	68·7	48·6	58·7	–	80	6,10	39	28,29	57·9	–	Tr	0	Tr	6,21	0	0	0	0	0	0	1	0	0	0	6·13	–
Marham	21–9 9	76	69·9	49·9	59·9	–	83	11	36	23	–	–	·07	–	·03	21	4	0	0	0	0	0	0	0	1	0	–	–
Santon Downham	9 9 9	80	71·1	41·2	56·1	–	83	11	27	23	57·6	57·5	·02	–	·01	21,26	2	0	0	0	0	0	0	0	0	0	–	–
West Raynham	21–9 9	250	68·2	49·7	58·9	–	79	10,11	40	23	–	–	·09	–	·03	18	4	0	0	0	0	0	0	3	7	0	–	–
Cromer	9 9 9	178	65·8	54·3	60·1	+1·6	72	11	47	23	–	–	·09	4	·05	26	3	1	0	0	0	0	0	0	1	0	6·62	–
Sprowston	¶§ 9 9 9	93	68·8	48·8	58·8	+1·2	82	11	40	20	–	–	·09	4	·06	16	3	1	0	0	0	0	–	0	0	0	6·60	133
Burlingham	9 9 9	89	68·9	50·6	59·7	–	81	11	42	23	–	–	Tr	0	Tr	14,21	0	0	0	0	0	0	0	1	0	0	6·10	123
Gorleston	¶§ 21–9 9	5	65·9	55·7	60·8	+2·1	71	9,11	44	23	62·5	61·4	·11	5	·09	18	2	1	0	0	0	0	0	0	0	0	5·92	–
Suffolk Mildenhall	21–9 9	15	71·2	47·5	59·3	–	84	11	37	27	–	–	Tr	0	Tr	21	0	0	0	0	0	0	0	0	0	0	6·23	122
East Bergholt	9 9 9	14	72·2	48·1	60·1	–	85	11	37	28	–	–	Tr	–	Tr	7,21	0	0	0	0	0	0	3	0	1	0	6·19	–
Felixstowe	21–9 9	10	68·6	55·7	62·1	+2·7	76	10	48	27	–	–	·03	2	·01	16,21	3	0	0	0	0	0	1	0	2	0	–	–
Lowestoft	9 9 9	82	67·9	54·5	61·2	+2·8	75	11	41	23	63·9	62·6	Tr	0	Tr	13,26	0	0	0	0	0	0	1	0	0	0	7·74	144
Cambridge Boxworth	9 9 9	157	70·7	48·7	59·7	–	83	10	42	27,28	–	–	·05	3	·05	21	1	1	0	0	0	0	2	0	0	0	6·58	127
*Cambridge Bot. Gdn.	¶§ 9 9 9	41	71·8	48·4	60·1	+2·5	83	11	37	28	61·6	61·7	·05	2	·05	21	1	1	0	0	0	0	2	0	0	0	5·82	–
Huntingdon Wyton	21–9 9	129	70·5	48·9	59·7	–	81	11	42	27,28,29	–	–	·01	–	·01	21	1	0	0	0	0	0	2	0	2	–	5·71	123
Bedford Woburn	9 9 9	291	69·6	46·1	57·9	+1·2	80	11	35	27,28	60·4	58·2	·09	4	·07	21	2	1	0	0	0	1	2	0	2	0	5·72	124
Harrold	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dunstable	21–9 9	516	69·4	50·1	59·7	–	81	11	40	27	59·5	58·8	·17	–	·11	21	3	2	0	0	0	1	2	0	1	0	6·64	–
Goldington	9 9 9	107	71·5	49·2	60·3	–	82	9	37	28	–	–	·06	–	·05	21	2	1	0	0	0	0	1	0	2	0	–	–
Luton	9 9 9	379	70·3	48·1	59·2	+2·3	81	11	36	27,28	60·3	–	·11	5	·07	21	2	1	–	0	–	–	0	0	2	–	6·16	133
Silsoe	9 9 9	195	71·0	45·5	58·3	–	82	11	34	28	60·4	59·7	·07	4	·07	21	2	1	0	0	0	0	2	0	2	–	6·08	–
Cardington	21–9 9	93	71·7	45·2	58·5	–	82	11	33	28	–	–	·05	3	·04	21	2	1	0	0	0	0	2	0	4	0	6·06	–
Hertford Bovingdon	21–9 9	516	69·6	49·1	59·3	–	80	11	39	27,28	–	–	·08	–	·07	21	2	1	0	0	0	0	1	0	2	0	–	–
Garston	9 9 9	263	71·5	48·4	59·9	–	83	11	35	28	–	–	·04	–	·03	21	2	0	0	0	0	0	1	0	0	0	6·49	–
Rothamsted	¶§ 9 9 9	420	69·5	49·0	59·3	+2·7	81	11	37	28	59·5	58·9	·13	6	·07	22	2	2	0	0	0	1	0	0	0	0	6·92	150
St. Albans	9 9 9	272	71·3	48·2	59·7	+2·7	82	11	34	28	60·1	–	·08	4	·06	21	2	1	0	0	0	0	0	0	1	0	–	–
Bayfordbury	9 9 9	221	71·5	46·0	58·7	–	83	11	33	28	–	–	·07	3	·05	21	2	1	0	0	0	0	0	0	0	0	7·05	–
Stanstead Abbotts	9 9 9	97	72·4	45·3	58·9	–	83	11	32	28	63·4	63·4	·08	–	·06	21	3	1	–	0	–	–	0	1	1	–	–	–
Eastwick Lodge	9 9 9	137	72·6	46·6	59·6	–	83	10,11	34	28	–	–	·08	4	·06	21	3	1	–	0	–	–	1	0	0	–	–	–
Essex Stansted	9 9 9	330	71·2	50·2	60·7	–	83	11	42	27	–	–	·06	–	·03	21	2	0	–	0	–	–	1	0	0	–	–	–
Saffron Walden	9 9 9	295	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Writtle	9 9 9	105	71·1	46·9	59·0	–	84	11	34	28	–	–	·03	2	·03	21	1	0	0	0	0	0	0	0	0	0	6·85	–
Coryton	9 9 9	9	70·4	52·5	61·5	–	80	11	43	28	64·5	64·7	·13	–	·13	21	1	1	0	0	0	0	0	0	0	0	–	–
Southend	9 9 9	90	70·4	54·7	62·5	–	80	10, 11	47	27	–	–	·12	7	·12	21	1	1	0	0	0	0	1	0	0	0	7·77	149
Maldon	9 9 9	14	69·9	51·3	60·6	–	84	11	38	28	–	–	·05	–	·05	21	1	1	0	0	0	0	0	0	0	0	–	–
Earls Colne	9 9 9	160	72·5	49·3	60·9	–	85	11	37	28	62·1	62·1	Tr	0	Tr	21,22	0	0	0	0	0	0	0	0	0	0	–	–
Shoeburyness	¶§ 21–9 9	11	67·8	53·4	60·6	+1·4	76	11	44	28	–	–	·16	10	·16	21	1	1	0	0	0	0	0	0	0	0	7·55	146
Clacton	9 9 9	53	67·3	55·9	61·6	–	72	11	47	23	64·4	62·9	·02	1	·02	21	1	0	0	0	0	0	0	0	0	0	7·92	146
Walton-on-Naze	9 9 9	35	67·3	55·7	61·5	–	75	10	45	28	–	–	·03	–	·02	21	2	0	0	0	0	0	1	0	0	0	7·85	–
Dovercourt	9 9 9	11	68·6	54·6	61·6	–	74	11	43	28	–	–	·03	–	·02	21	2	0	–	–	–	–	0	0	0	–	7·43	–
4 MIDLAND COUNTIES																												
Yorks., W. Riding Slaidburn	9 9 9	629	65·1	46·7	55·9	–	78	8,9	32	27	–	–	·58	–	·53	21	3	1	0	0	0	0	0	1	2	0	6·03	–
Malham Tarn	9 9 9	1297	62·4	48·0	55·2	–	77	9	38	27	55·0	–	·33	–	·27	21	3	2	0	0	0	0	0	0	6	0	–	–
Bingley	9 9 9	610	64·9	48·6	56·7	–	78	10	36	27	–	–	·14	5	·11	21	3	1	0	0	0	0	3	0	2	0	–	–
Huddersfield	§ 9 9 9	325	67·5	48·2	57·9	+2·2	79	7,9,11	35	27	58·5	59·0	·32	–	·10	17	5	4	–	0	0	–	4	0	2	–	5·15	138
" (Oakes)	21–9 9	762	67·3	49·3	58·3	+3·4	81	9	43	2, 27	57·3	56·1	·36	12	·13	21	5	5	0	0	0	0	2	0	1	0	4·85	–
Bradford	¶ 9 9 9	439	65·5	49·4	57·5	+2·2	77	10,11	36	27	56·9	58·7	·14	5	·08	21	5	1	0	0	0	0	2	0	2	0	–	–
Ilkley	9 9 9	315	67·9	47·8	57·9	+2·7	80	8,9,11	36	30	–	–	·04	1	·04	21	1	1	0	0	0	0	1	0	–	0	5·13	132
Sheffield	9 9 9	429	68·0	51·1	59·5	+2·9	80	9,10	39	27	58·3	58·9	·02	1	·01	18,21	2	1	0	0	0	0	0	0	1	0	4·87	125
Wakefield	9 9 9	121	69·3	48·4	58·9	+2·1	80	7,10	36	28	57·8	57·5	·11	5	·05	17	4	2	0	0	0	0	0	0	2	0	–	–
Killinghall	9 9 9	365	66·3	46·9	56·6	–	77	7,9,10	35	27	–	–	·15	–	·07	21	4	2	0	0	0	0	0	0	1	0	5·05	–
Pontefract	9 9 9	255	67·1	50·0	58·5	+2·4	79	9	43	27,28,29	–	–	·07	4	·03	17,21	3	0	0	0	0	0	0	0	0	0	5·11	–
Bramham	9 9 9	177	–	46·4	–	–	–	–	36	29	–	–	·13	–	·07	17	3	1	0	0	0	0	0	0	0	0	5·06	–
Cawood	9 9 9	20	68·5	45·8	57·1	–	81	9	30	27	60·1	60·7	·15	7	·07	15	3	2	0	0	0	0	0	0	0	0	4·98	–
Askham Bryan	9 9 9	90	68·9	46·5	57·7	–	80	9,10	33	27	–	–	·12	6	·04	17	4	1	0	0	0	0	0	0	2	0	4·84	–
Derby Buxton	9 9 9	1007	64·4	45·5	54·9	+1·9	76	8,10,11	31	27	56·8	58·8	·17	4	·13	21	3	1	0	0	0	0	0	1	1	0	–	–
Chapel en le Frith	9 9 9	728	66·5	47·2	56·9	–	79	8	31	27	–	–	·15	–	·12	21	2	1	0	0	0	0	0	1	4	0	–	–
Wirksworth	9 9 9	565	68·3	50·5	59·4	–	81	11	40	27	–	–	·02	–	·02	21	1	0	0	0	0	0	0	0	0	0	–	–

Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max., Min., Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	69·3	49·2	59·3	–	81	11	35	28	–	–	·05	–	·05	21	1	1	0	0	0	0	2	0	2	0	5·39	–
Morley	9 9 9	350	69·0	49·2	59·1	–	80	9,10,11	37	27,28	–	–	·05	–	·05	21	1	1	0	0	0	0	–	0	2	0	5·58	–
Chesterfield	9 9 9	298	67·8	47·7	57·7	–	79	8, 9,10	33	27	–	–	·04	–	·03	18	2	0	0	0	0	0	1	0	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	69·6	46·3	57·9	+1·6	81	11	32	27	58·6	59·2	·01	1	·01	21	1	0	0	0	0	0	4	1	3	0	5·56	136
Watnall	21-9 9	385	69·2	49·3	59·3	–	81	7, 9,10	38	27	–	–	·07	3	·07	21	1	1	0	0	0	0	0	0	2	0	5·52	–
Mansfield	9 9 9	357	67·7	49·2	58·5	+2·2	79	7, 9,10	38	27	–	–	·07	3	·02	16,21	4	0	0	0	0	0	0	0	1	0	–	–
Nottingham ¶§	9 9 9	192	69·1	51·6	60·3	+3·1	81	11	39	27,28	60·9	62·7	·09	5	·05	6	3	1	0	0	0	0	1	0	0	0	5·54	136
Warsop	9 9 9	150	68·6	43·2	55·9	–	79	7, 9, 11	28	27	–	–	Tr	0	Tr	6,21	0	0	0	0	0	0	2	2	4	0	5·07	–
Finningley	21-9 9	34	69·5	49·3	59·4	–	82	9,11	38	27	–	–	·01	–	Tr	21,24	0	0	0	0	0	0	1	0	1	0	5·36	–
Langar	21-9 9	106	69·5	47·0	58·3	–	81	11	32	27	–	–	·09	–	·02	17,18	5	0	0	0	0	0	0	0	0	0	–	–
Leicester Leicester (Towers)	9 9 9	267	71·4	48·6	60·0	–	84	11	35	27	61·9	60·9	–	–	–	–	–	–	0	0	0	0	6	0	2	0	5·55	–
Caldecott	9 9 9	175	70·6	42·3	56·5	–	82	11	30	28	–	–	·02	–	·01	18,21	2	0	0	0	0	0	2	2	3	–	4·96	–
Northampton Wellingborough	9 9 9	298	71·5	48·5	60·0	–	83	11	38	28	–	–	·01	–	·01	21	1	0	0	0	0	0	1	0	0	0	–	–
Kettering	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	70·8	47·0	58·9	–	82	11	35	28	60·5	59·6	·02	1	·02	20	1	0	0	0	0	0	0	0	0	0	–	–
Wittering	21-9 9	216	69·0	49·9	59·5	–	81	11	39	28	–	–	·08	–	·04	16	3	1	0	0	0	0	3	0	0	0	5·77	–
Warwick Birmingham ¶§	21-9 9	536	67·7	51·8	59·7	+3·1	79	10	41	27	57·7	57·2	·17	7	·13	21	2	1	0	0	0	0	1	0	2	0	5·70	143
Luddington	9 9 9	138	70·7	46·4	58·5	–	82	10	30	28	–	–	·11	5	·06	21	2	2	0	0	0	0	0	2	2	0	6·24	–
Stratford on Avon	9 9 9	160	71·6	47·3	59·5	–	83	10	31	28	62·1	–	·10	–	·07	21	2	1	0	0	0	0	0	2	3	0	5·92	–
Elmdon	21-9 9	319	69·0	46·2	57·6	–	80	10	31	28	–	–	·11	5	·09	21	2	1	0	0	0	0	0	2	3	0	5·90	–
Shipston on Stour	9 9 9	365	70·6	49·2	59·9	–	81	10	37	27	59·0	–	·10	–	·06	21	2	2	0	0	0	0	–	0	2	–	5·52	–
Wellesbourne	9 9 9	153	70·8	45·6	58·2	–	81	10	30	27,28	61·4	61·8	·08	4	·07	21	2	1	0	0	0	0	2	2	3	0	6·04	–
Moreton Morrell	9 9 9	280	70·7	47·8	59·3	–	82	11	34	27,28	–	–	·11	–	·07	21	2	2	0	0	0	0	0	0	3	0	6·33	–
Coventry	9 9 9	338	69·6	49·5	59·5	+2·7	79	9,10,11	36	27,28	59·0	58·5	·03	1	·02	21	2	0	0	0	0	0	0	–	0	0	5·89	142
Rugby	9 9 9	385	69·1	48·8	58·9	–	81	11	36	27,29	60·9	61·7	·09	–	·07	21	3	1	0	0	0	0	–	0	2	0	–	–
Oxford Oxford ¶§	9 9 9	208	71·3	49·0	60·1	+2·2	81	10,11	36	28	63·1	63·0	·21	10	·16	21	3	2	0	0	0	0	0	0	2	0	7·13	160
Buckingham Aylesbury	9 9 9	316	70·3	46·8	58·5	–	80	11	34	28	–	–	·13	–	·11	21	2	1	0	0	0	1	2	0	3	0	6·87	–
Bletchley	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	67·4	50·3	58·9	–	79	10	39	27,28	59·0	58·4	·18	6	·17	21	2	1	0	0	0	0	1	0	2	0	6·29	– S
Oaken	9 9 9	409	69·0	45·8	57·4	–	82	8	33	27,28	57·5	–	·26	–	·21	21	4	1	–	–	–	–	–	0	3	–	–	–
Wheaton Aston	9 9 9	365	68·2	46·7	57·5	–	79	11	31	28	58·3	–	·19	–	·17	21	3	1	0	0	0	0	1	2	0	0	5·83	–
Stone	9 9 9	350	68·5	47·2	57·9	–	80	11	29	27	–	–	·21	–	·21	21	1	1	0	0	0	0	0	2	4	0	5·67	–
Penkridge	9 9 9	330	68·5	45·9	57·2	–	80	11	30	27	–	–	·16	–	·15	21	2	1	0	0	0	0	1	2	2	0	–	–
Onecote	9 9 9	1350	63·0	48·1	55·5	–	75	11	42	23,27	53·0	53·8	·28	–	·15	21	3	3	0	0	0	0	0	0	0	0	5·86	–
Shropshire Oswestry	9 9 9	570	67·0	48·5	57·7	–	79	11	37	28	–	–	·31	–	·27	21	2	2	0	0	0	0	0	0	1	0	5·39	–
Shrewsbury	9 9 9	184	69·4	46·8	58·1	–	81	11	32	27,28	60·8	62·7	·16	7	·15	21	2	1	0	0	0	0	0	2	2	0	5·45	–
Shawbury	21-9 9	235	69·0	45·8	57·4	–	81	11	30	28	–	–	·29	13	·29	21	1	1	0	0	0	0	2	3	0	0	5·84	–
Newport	9 9 9	211	69·3	44·6	56·9	–	81	11	29	27	–	–	·31	14	·31	21	1	1	0	0	0	0	2	3	0	0	5·52	– S
Worcester Malvern	9 9 9	203	70·5	50·5	60·5	+3·1	81	10	37	28	62·5	61·2	·10	4	·09	21	2	1	0	0	0	0	0	0	1	0	6·58	142 S
Worcester (Redhill)	9 9 9	190	70·4	48·4	59·4	–	81	11	33	28	–	–	·18	9	·14	21	3	1	0	0	0	0	0	0	2	0	6·46	–
Droitwich	9 9 9	106	69·2	48·4	58·8	–	79	11	33	28	–	–	·33	–	·22	21	3	2	0	0	0	0	0	0	–	0	6·22	–
Pershore (Institute of Horticulture)	9 9 9	130	70·3	48·4	59·3	–	80	10,11	33	28	–	–	·11	–	·09	21	2	1	0	0	0	0	0	0	2	0	6·77	–
Pershore	21-9 9	110	70·8	47·7	59·3	–	81	11	31	28	–	–	·09	–	·06	21	2	1	0	0	0	0	1	3	0	0	6·73	–
Halesowen	9 9 9	505	68·3	46·2	57·3	–	79	10	32	27	59·9	59·1	·17	–	·14	21	2	1	0	0	0	0	1	3	0	0	6·06	–
Hereford Lyonshall	9 9 9	510	67·9	46·5	57·2	–	79	11	33	28	–	–	·04	–	·03	21	2	0	–	–	–	–	–	0	2	–	–	–
Ross-on-Wye ¶§	21-9 9	223	70·1	47·6	58·9	+1·8	81	10	31	28	60·0	60·7	·08	3	·07	21	1	1	0	0	0	0	0	1	2	0	6·66	152
Preston Wynne	9 9 9	274	69·7	46·0	57·9	–	80	11	29	28	–	–	·27	–	·23	21	2	2	0	0	0	0	0	1	3	0	6·64	–
Gloucester Bristol (Filton)	21-9 9	192	70·5	49·4	59·9	–	81	10	34	28	–	–	·17	6	·17	21	1	1	0	0	0	0	0	0	2	0	7·17	–
Ruscombe	9 9 9	610	69·3	50·2	59·7	–	79	10,11	41	27,28	–	–	·18	7	·17	21	2	1	0	0	0	0	0	0	–	0	–	–
Cirencester	9 9 9	443	69·6	48·3	58·9	–	80	10	34	28	–	–	·26	9	·26	21	1	1	0	0	0	0	0	1	0	3	–	7·29	–
Little Rissington	21-9 9	740	68·3	51·2	59·7	–	78	10	43	27	–	–	·10	4	·09	21	1	1	0	0	0	0	0	0	1	0	6·51	–
5 ENGLAND, S.E.																												
London Kensington	9 9 9	81	73·5	53·5	63·5	+3·9	84	11	44	28	63·5	63·0	·06	3	·05	21	2	1	0	0	0	0	0	0	0	0	–	–
Hampstead	9 9 9	450	70·6	53·2	61·9	+4·6	82	11	45	27	–	–	·09	4	·05	21	2	2	0	–	0	0	–	0	0	0	7·48	160
Westminster	9 9 9	27	72·8	54·2	63·5	+3·5	83	11,12	45	27	–	–	·11	6	·06	21	3	1	0	–	0	0	–	0	–	–	–	–
Regent's Park	9 9 9	129	73·0	53·0	63·0	–	84	11	43	28	–	–	·04	–	·04	21	1	1	–	–	0	0	0	0	0	–	6·98	167
Camden Square	9 9 9	121	72·4	53·9	63·1	+3·3	83	11	46	28	64·8	67·5	·08	4	·05	21	2	1	0	0	0	0	–	0	0	–	–	–
Kingsway	—	—																									7·39	–
Bunhill Row	—	—																									6·97	166
Greenwich (Maritime Museum)	9 9 9	24	72·5	52·1	62·3	–	83	11	42	28	–	–	·13	7	·11	21	2	1	0	0	0	0	0	0	0	0	6·55	–
Middlesex London Airport	21-9 9	82	72·8	51·3	62·1	–	83	11	39	28	–	–	·20	10	·18	6	3	1	0	0	0	1	0	0	1	0	6·97	–
Hampton	9 9 9	39	73·3	52·1	62·7	–	85	11	41	28	–	–	·03	–	·02	21	2	0	0	0	0	1	0	0	0	0	7·24	–
Wealdstone	9 9 9	175	72·2	50·6	61·4	+3·1	84	11	36	28	60·7	59·0	·04	2	·03	21	2	0	0	0	0	0	0	0	1	0	6·99	–
Southgate	9 9 9	221	72·0	51·3	61·7	–	83	11	42	28	61·1	–	·03	–	·03	21	1	0	0	0	0	0	0	0	0	0	7·17	–
Surrey Farnham	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wisley	9 9 9	150	72·2	48·0	60·1	+2·1	83	11	35	28	61·2	61·3	·09	5	·07	21	2	1	0	0	0	1	0	0	2	0	6·93	152
Great Bookham	9 9 9	466	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mickleham	9 9 9	179	72·7	45·0	58·9	–	83	11,12	35	27,28	–	–	·15	7	·13	21	2	1	0	0	0	0	2	0	2	0	–	–
Kew Observatory ¶§	21-9 9	18	71·3	52·7	62·0	+3·5	81	12	42	28	61·9	62·2	·10	5	·09	21	1	1	0	0	0	1	0	0	1	0	7·07	151
Gatwick	21-9 9	194	73·1	46·2	59·7	–	86	11	33	28	–	–	·11	–	·08	21	2	1	0	0	0	0	0	1	0	0	7·60	–
Croydon (Waddon)	9 9 9	220	71·7	50·9	61·3	+2·7	83	11	41	27,28	–	–	·14	7	·11	21	3	1	–	–	–	–	–	0	1	–	–	–
Addington	9 9 9	474	71·3	52·3	61·8	+4·3	83	11	42	27	–	–	·20	9	·13	21	3	2	–	–	–	–	0	0	–	–	–	–
Kent Bromley	9 9 9	213	71·5	51·8	61·7	+3·1	82	11	41	28	–	–	·07	4	·07	21	1	1	0	0	0	0	5	0	–	–	–	–
Swanley	9 9 9	177	70·9	47·3	59·1	–	84	11	34	28	61·0	–	·07	–	·05	21	2	1	0	0	0	0	4	0	2	0	6·25	–
Dartford	9 9 9	17	72·3	49·9	61·1	–	85	11	37	28,30	–	–	·05	–	·05	21	1	1	0	0	0	0	2	0	–	0	–	–
Tunbridge Wells	9 9 9	351	71·0	49·4	60·2	+2·6	83	11	38	28	60·9	62·5	·14	6	·14	21	1	1	0	0	0	0	0	0	0	0	7·58	149
West Malling	21-9 9	304	70·9	52·1	61·5	–	84	11	43	28	–	–	·14	7	·12	21	2	1	0	0	0	0	4	0	0	0	7·26	–
Goudhurst	9 9 9	290	70·7	47·2	58·9	–	82	11	35	28	–	–	·14	6	·14	21	1	1	0	0	0	0	3	0	0	0	–	–
East Malling ¶§	9 9 9	122	72·5	49·0	60·7	+3·9	85	11	35	28	–	62·6	·11	5	·10	21	2	1	0	0	0	0	3	0	0	0	7·13	144

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%	
5	ENGLAND, S.E.—cont.																													
Kent—cont.	Gillingham ...	9 9 9	14	70·1	52·0	61·1	–	81	11	40	30	–	–	·15	–	·12	21	4	1	0	0	0	0	4	0	–	0	6·44	–	
	Sittingbourne ...	9 9 9	224	69.3	50.3	59·8	–	81	11	38	30	62·7	–	·22	–	·17	21	2	2	0	0	0	0	4	0	0	0	6·86	–	
	Isle of Grain ...	9 9 9	9	69·0	56·4	62·7	–	79	11	48	28	–	–	·09	–	·05	21	2	2	0	0	0	0	4	0	0	0	6·82	–	
	Throwley ...	9 9 9	493	70·0	51·6	60·8	–	83	11	43	28	61·2	60·4	·18	–	·18	21	1	1	0	0	0	0	2	0	0	0	7·00	–	
	Faversham ...	9 9 9	157	68·6	50·2	59·4	–	81	11	38	28	61·4	62·1	·11	–	·11	21	1	1	0	0	0	0	3	0	0	0	7·01	–	
	Dungeness ...	21–9 9	10	69·0	56·6	62·8	–	74	11,12	41	28	–	–	·19	9	·10	21	2	2	0	0	0	0	1	0	0	–	–	–	
	Wye	9 9 9	185	70·4	52·2	61·3	+3·5	85	11	38	28	–	–	·15	7	·15	21	1	1	0	0	0	0	0	0	0	0	7·50	142	
	Whitstable ...	9 9 9	9	68·6	53·2	60·9	–	81	11	39	28	–	–	·25	14	·25	21	1	1	0	0	0	0	3	0	0	–	6·86	–	
	Folkestone ...	9 9 9	128	70·3	58·3	64·3	–	81	12	51	28	–	63·9	·13	6	·13	21	1	1	0	0	0	0	0	0	0	0	8·07	–	
	Wingham (Elmstone)	9 9 9	28	70·1	49·5	59·8	–	82	11	39	21,28	–	–	·16	–	·13	21	3	1	0	0	0	0	0	0	0	0	–	–	
	Herne Bay ...	9 9 9	21	68·5	56·4	62·5	–	79	11	45	28	–	–	·31	17	·25	21	2	2	0	0	0	0	2	0	–	0	7·02	–	
	Dover	9 9 9	19	69·8	57·1	63·5	+4·1	78	12	45	28	66·8	66·5	·09	4	·09	21	1	1	0	0	0	0	0	0	0	0	8·10	–	S
	Ramsgate ...	9 9 9	80	67·4	59·6	63·5	–	76	11	50	28	–	–	·26	12	·21	21	3	1	0	0	0	0	1	0	–	–	7·64	139	
	Margate	9 9 9	51	66·2	59·4	62·8	+2·7	77	11	52	21,25,28	62·9	63·1	·27	14	·27	21	1	1	0	0	0	0	2	0	0	0	7·67	135	
Sussex	Thorney Island ...	21–9 9	10	73·2	52·1	62·7	–	83	12	42	28	–	–	·16	–	·16	21	1	1	0	0	0	0	0	0	0	0	8·17	–	
	Bognor Regis ...	9 9 9	24	69·7	54·7	62·2	+3·3	77	12,13	46	21,28	–	63·2	·11	5	·11	21	1	1	0	0	0	0	0	0	0	0	8·41	154	
	Fernhurst ...	9 9 9	188	72·6	47·7	60·1	–	83	11,12	34	28	62·2	–	·04	–	·04	21	1	1	0	0	0	1	0	0	0	0	7·64	–	
	Littlehampton ...	9 9 9	15	70·6	53·9	62·3	+3·6	81	12	47	27,28	–	63·2	·12	6	·12	21	1	1	0	0	0	0	0	0	–	0	8·37	153	
	Worthing ...	9 9 9	25	70·9	55·7	63·3	+3·9	79	12	49	24,27,28	62·4	62·5	·10	5	·10	21	1	1	0	0	0	0	0	0	0	0	8·48	150	
	Brighton ...	9 9 9	32	71·7	55·2	63·5	–	83	12	48	21,24,27	–	64·1	·12	6	·12	21	1	1	0	0	0	0	0	0	0	0	8·11	–	
	East Grinstead ...	9 9 9	440	73·8	47·6	60·7	–	84	11	35	28	–	61·9	·07	–	·07	21	1	1	0	0	0	0	0	0	0	0	–	–	
	Seaford	9 9 9	45	71·3	53·8	62·5	–	82	12	42	28	–	–	·20	9	·20	21	1	1	–	–	–	–	0	0	–	–	8·24	–	
	Eastbourne ...	9 9 9	35	69·5	55·1	62·3	+2·9	76	12	46	28	63·9	63·6	·26	10	·26	21	1	1	0	–	0	0	0	0	0	–	8·86	160	
	Eastbourne (C/guard)	21–9 9	17	70·6	53·8	62·2	–	77	12	45	28	–	–	·19	–	·19	21	1	1	0	0	0	0	0	0	0	0	–	–	
	Hankham ...	9 9 9	68	73·5	50·9	62·2	–	82	10,12	41	21,28	60·8	60·3	·17	–	·17	21	1	1	0	0	0	0	0	0	2	0	8·43	–	
	Bexhill	9 9 9	14	69·2	56·1	62·7	+3·7	78	12	48	28	62·4	–	·15	7	·15	21	1	1	0	0	0	0	0	0	0	0	7·93	–	
	Sedlescombe ...	9 9 9	175	71·1	51·3	61·2	–	83	12	42	28	–	–	·13	–	·13	21	1	1	0	0	0	0	0	0	0	0	–	–	
	Bodiam	9 9 9	73	71·6	47·1	59·3	–	84	11	34	28	60·7	60·6	·13	–	·13	21	1	1	0	0	–	–	0	0	1	–	7·97	–	
	Hastings ¶§	9 9 9	149	70·8	56·3	63·5	+4·2	81	12	50	27,28	64·2	63·7	·20	9	·15	21	3	2	0	0	0	0	0	0	0	0	8·32	153	
Berkshire	Abingdon ...	21–9 9	210	72·5	47·6	60·1	–	82	10,11	33	28	–	–	·19	9	·13	21	4	1	0	0	0	0	1	0	2	0	7·47	–	
	Woolhampton ...	9 9 9	370	71·9	48·4	60·1	–	81	10,11,12	36	28	62·2	–	·06	3	·06	21	1	1	0	0	0	0	0	0	2	0	–	–	
	Shinfield	9 9 9	200	71·4	48·5	59·9	+2·3	81	11	32	28	–	–	·04	–	·04	21	1	1	0	0	0	1	5	1	1	0	7·63	–	
	Reading ... *	9 9 9	148	72·8	50·3	61·5	+3·2	82	10,11	37	28	63·8	63·9	·03	1	·03	21	1	0	–	–	–	–	0	2	–	0	6·68	–	
	Finchampstead ...	9 9 9	212	71·9	46·7	59·3	–	82	11	30	28	61·4	61·4	·06	–	·03	6	3	0	0	0	0	1	2	1	2	0	7·12	–	
	Wokingham ...	9 9 9	200	72·7	46·9	59·8	–	82	11	30	28	61·7	61·3	·40	–	·37	6	2	1	0	0	0	1	0	1	–	0	–	–	
	Hurley	9 9 9	140	71·7	48·3	60·0	–	81	11	34	28	62·0	–	·81	–	·67	6	3	3	0	0	0	1	0	0	1	0	7·21	–	
Hampshire	Bournemouth ...	9 9 9	130	71·0	50·5	60·7	+2·2	82	12	40	28	61·2	61·8	·28	11	·16	21	3	3	0	0	0	1	1	0	0	0	8·22	162	
	Christchurch ...	9 9 9	9	72·3	48·6	60·5	–	83	11	37	28	–	–	·18	–	·18	21	1	1	0	0	0	0	0	0	1	0	–	–	
	Ringwood ...	9 9 9	250	73·3	50·9	62·1	–	85	12	37	28	60·2	60·1	·15	–	·15	21	1	1	0	0	0	0	0	0	0	0	–	–	
	Everton (Efford)	9 9 9	51	71·7	50·7	61·2	–	82	12	40	28	–	–	·37	–	·20	21	2	2	0	0	0	0	0	0	0	0	8·41	–	
	Southampton ¶§	9 9 9	65	74·2	50·0	62·1	+3·4	85	11	36	28	63·1	63·8	·08	3	·08	21	1	1	0	0	0	0	0	0	0	0	8·22	163	
	Leckford... ...	9 9 9	385	71·8	49·3	60·5	–	82	11	39	27,28	59·1	–	·04	2	·04	21	1	1	–	0	–	–	1	0	–	–	7·90	–	
	Winchester ...	9 9 9	124	73·5	44·3	58·9	–	83	11	31	28	–	56·4	·08	3	·08	21	1	1	0	0	0	1	0	1	0	0	7·13	–	S
	Martyr Worthy ...	9 9 9	275	72·2	48·1	60·1	–	82	11	36	28	–	–	·13	–	·07	21	2	2	0	0	0	0	0	0	1	0	7·38	–	
	Southsea ...	9 9 9	7	70·2	55·8	63·0	+2·9	79	12	50	28	63·3	64·0	·13	6	·13	21	1	1	0	0	0	0	0	0	0	0	8·30	153	
	Hayling Island ...	9 9 9	13	70·5	53·3	61·9	–	80	12	45	28	–	–	·10	–	·10	21	1	1	0	0	0	0	0	0	–	0	8·34	–	
	Long Sutton ...	9 9 9	512	–	49·2	–	–	–	–	40	27	58·9	–	·08	3	·08	21	1	1	0	0	0	0	3	0	2	0	7·02	145	S
	Alice Holt Lodge	9 9 9	378	71·2	48·2	59·7	–	82	11	36	28	–	–	·19	8	·12	6	2	2	0	0	0	1	2	0	2	0	7·21	–	
	S. Farnborough ...	21–9 9	226	72·2	48·1	60·1	+2·5	82	11	33	28	–	–	·04	2	·04	21	1	1	0	0	0	1	2	0	2	0	7·10	146	
	Blackbushe ...	21–9 9	325	71·7	50·3	61·0	–	82	11	38	28	–	–	·04	–	·04	21	1	1	0	0	0	1	1	0	1	0	–	–	
I. of Wight	St. Catherine's Pt.	9 9 9	51	69·3	57·7	63·5	+4·7	79	11	49	27	–	–	·17	7	·15	21	2	1	0	0	0	0	0	0	0	0	–	–	
	Ventnor Park ...	9 9 9	443	69·6	57·7	63·7	–	79	11	49	27	63·7	61·7	·25	10	·17	21	3	1	0	0	0	0	0	0	0	0	8·78	–	
	Shanklin	9 9 9	180	68·5	54·0	61·3	–	79	11,12	46	27,28	–	–	·21	–	·21	21	1	1	0	0	0	0	0	0	–	0	8·87	–	
	Sandown ...	9 9 9	13	71·3	56·0	63·7	+4·2	78	12	46	28	–	–	·17	7	·17	21	1	1	0	0	0	0	0	0	–	–	8·58	151	
	Ryde	9 9 9	15	69·9	55·7	62·8	+3·3	80	11	46	28	–	–	·14	6	·14	21	1	1	0	0	0	0	0	0	–	0	8·16	156	
Wiltshire	Lacock (Lackham)	9 9 9	160	71·3	43·0	57·1	–	82	10	29	28	–	–	·15	–	·12	21	2	1	–	0	–	–	1	4	–	–	–	–	
	West Lavington	9 9 9	305	71·7	45·3	58·5	–	82	10	31	28	–	–	·08	3	·08	21	1	1	0	0	0	0	1	2	–	0	–	–	
	Lyneham ...	21–9 9	457	69·6	49·4	59·5	–	80	10	37	27	–	–	·18	8	·16	21	2	1	0	0	0	0	1	1	0	4	0	7·82	–	
	Larkhill	9 9 9	431	70·8	48·9	59·9	+3·4	80	10,11	40	27,28	–	–	·11	5	·10	21	2	1	0	0	0	0	0	0	0	0	–	–	
	Boscombe Down	21–9 9	414	71·4	50·0	60·7	–	82	11	39	28	–	–	·12	5	·09	21	2	1	0	0	0	0	0	0	0	2	8·03	–	
	Upavon	21–9 9	578	70·7	51·6	61·1	–	80	10,11	44	27	–	–	·07	–	·06	21	2	1	0	0	0	0	0	0	0	0	–	–	
	Porton ... ¶§	9 9 9	362	71·6	47·9	59·7	+3·3	83	11	36	28	59·1	–	·09	4	·07	21	2	1	0	0	0	0	0	0	2	0	8·06	164	
7a	ENGLAND, N.W.																													
Cumberland	Sellafield ...	9 9 9	43	66·0	51·1	58·5	–	77	12	41	27	–	–	2·13	50	·63	20	5	5	–	0	–	–	0	0	0	–	5·78	–	
	Silloth	21–9 9	25	65·0	46·9	55·9	–	77	10	34	27	–	–	2·38	68	1·53	20	6	5	0	0	0	1	0	1	0	0	5·89	–	
	Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Newton Rigg ...	9 9 9	560	65·2	45·1	55·1	+1·7	78	10,12	37	27,28	–	–	1·02	33	·56	21	5	4	–	0	–	–	0	0	1	–	5·62	149	
Westmorland	Ambleside ...	9 9 9	151	67·1	44·7	55·9	–	80	10,12	34	27	–	–	1·38	20	·59	21	5	5	0	0	0	0	0	0	–	0	5·58	–	
	Moor House ...	9 9 9	1840	58·4	40·0	49·2	–	71	10,12	29	14	51·1	–	1·83	–	·95	20	7	4	0	0	0	0	0	4	12	0	5·38	–	
Lancashire	Barrow-in-Furness	9 9 9	55	66·6	51·6	59·1	–	78	9	41	27,28	–	–	1·08	–	·55	21	5	5	0	0	0	0	0	0	–	0	–	–	
	Squires Gate ...	21–9 9	33	68·9	47·5	58·2	–	81	10	34	27	–	–	·29	9	·23	21	2	2	0	0	0	0	0	0	1	0	6·39	–	
	Urswick	9 9 9	130	68·5	48·2	58·3	–	81	9,12	36	27	–	–	1·40	–	·71	21	5	5	0	0	0	0	2	0	–	0	–	–	
	Poulton-le-Fylde	9 9 9	38	67·9	46·9	57·4	–	79	10	37	27	–	–	·31	–	·25	21	2	2	0	0	0	0	0	0	–	0	–	–	
	Speke	21–9 9	80	68·8	51·1	59·9	–	81	8	39	27	–	–	·14	–	·10	21	2	2	0	0	0	0	1	0	1	0	5·78	–	
	Kirkham ...	9 9 9	77	68·2	47·5	57·9	–	80	8,9,10	35	27	–	–	·34	9	·25	21	3	2	0	0	0	0	0	1	0	1	6·62	–	
	Garstang ...	9 9 9	68	67·2	48·1	57·7	–	79	10	34	27	–	–	·34	–	·31	21	3	1	–	0	–	–	0	0	1	–	6·51	–	
	Morecambe ...	9 9 9	24	67·4	52·0	59·7	+3·1	77	12	38	27	–	–	·60	16	·54	21	3	1	0	0	0	0	0	0	–	0	6·60	151	
	Preston (Moor Pk.)	9 9 9	108	67·7	49·4	58·5	–	80	10	36	28	–	–	·46	12	·35	21	3	3	0	0	0	0	0	0	2	0	–	–	
	Bolton	9 9 9	352	67·9	47·5	57·7	+1·9	80	8,9,10,11	35	27,28	57·4	57·7	·34	–	·29	21	3	1	0	0	0	0	2	0	2	0	6·23	190	

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2 mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a ENGLAND, N.W.—cont.																												
Lancashire— Darwen	9 9 9	724	65·7	48·3	57·0	+2·5	78	8,10	42	2,28,29	57·4	–	·57	12	·44	21	4	2	0	0	0	0	0	0	0	0	–	–
cont. Stonyhurst ¶§	9 9 9	377	66·2	49·7	57·9	+2·9	77	10	37	27	–	–	·55	12	·49	21	3	1	0	0	0	0	1	0	0	0	6·13	157
Helmshore ...	9 9 9	854	64·7	49·5	57·1	–	77	8,9,10	38	27	56·5	–	·36	–	·32	21	3	1	–	0	–	–	0	0	1	–	6·19	–
Burnley	9 9 9	458	66·5	47·0	56·7	+2·1	79	8,9	32	27	57·9	57·7	·27	7	·26	21	2	1	0	0	0	0	1	5	0	–	–	–
Nelson	9 9 9	540	65·2	47·6	56·4	–	77	10,11	33	27	57·7	57·3	·32	8	·27	21	3	1	–	0	–	–	0	0	2	–	5·81	–
Rochdale ...	9 9 9	362	66·5	46·1	56·3	–	78	9,10,11	32	27,28	–	–	·33	–	·28	21	5	1	0	0	0	0	1	2	1	0	5·91	–
Cheshire West Kirby Park	9 9 9	17	68·7	50·8	59·7	–	79	9,10	40	27	–	–	·38	–	·28	21	2	2	–	0	–	–	–	0	0	–	5·80	–
Bidston Obs'y. ¶§	9 9 9	198	66·1	53·3	59·7	+3·3	77	10	45	27,28	–	–	·28	11	·19	21	2	2	0	–	0	0	0	0	0	0	5·86	133
Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Northwich(Winnington)	9 9 9	65	69·7	50·4	60·1	–	80	10,11	35	27	–	–	·17	6	·15	21	2	1	0	0	0	0	1	0	0	0	–	–
Manchester Airport ¶§	21–9 9	248	69·6	50·1	59·9	+4·2	81	8,9,11	36	27	–	–	·21	8	·17	21	2	2	0	0	0	0	0	1	0	0	6·58	181
Macclesfield ...	9 9 9	500	67·5	50·2	58·9	+3·5	81	9,10	38	27	–	–	·16	5	·11	21	2	2	0	0	0	0	0	0	–	0	–	–
7b NORTH WALES																												
Flint Rhyl	9 9 9	31	67·7	50·1	58·9	+1·8	80	10	37	28	–	–	·57	22	·43	21	2	2	0	0	0	0	0	0	0	0	5·94	134
St. Asaph ...	9 9 9	75	69·1	47·8	58·5	–	82	9	36	28	–	–	·39	–	·29	21	2	2	–	–	–	0	0	1	–	–	–	–
Prestatyn ...	9 9 9	12	67·8	49·7	58·7	–	80	10	39	28,29	–	–	·60	22	·42	21	3	2	0	0	0	0	0	–	0	–	5·37	–
Hawarden Bridge	9 9 9	17	69·2	47·7	58·5	+1·7	81	11	32	28	–	–	·28	12	·16	25	2	2	0	0	0	0	0	1	–	0	–	–
Anglesey Holyhead (Valley)	21–9 9	26	67·7	51·0	59·3	+2·2	79	11	40	27	–	–	·81	26	·75	21	2	2	0	0	0	0	0	0	0	0	6·38	138
Denbigh Colwyn Bay ...	9 9 9	118	67·7	52·4	60·1	+2·7	77	13	43	28	–	–	·61	21	·47	21	2	2	0	0	0	0	0	–	0	0	6·04	141
Alwen	9 9 9	1100	65·7	37·2	51·5	–	78	11	25	27	–	–	·28	–	·28	21	1	1	–	–	–	–	6	6	–	–	–	–
Bwlchgwyn ...	9 9 9	1267	63·3	47·8	55·5	–	76	11	38	27	55·6	–	·29	–	·27	21	2	1	0	0	0	1	0	1	0	0	–	–
Ruabon	9 9 9	312	68·4	46·8	57·6	–	80	11	33	28	–	–	·15	–	·13	21	2	1	0	0	0	0	0	2	0	0	5·47	–
Wrexham ...	9 9 9	275	69·2	48·1	58·7	–	80	9	35	27,28	58·4	59·4	·11	–	·11	21	1	1	0	0	0	0	0	2	0	–	–	–
Caernarvon Bryn Adda ...	9 9 9	275	67·4	52·4	59·9	–	78	11	42	27	–	–	1·06	–	·91	21	3	3	0	0	0	0	0	0	0	0	6·47	–
Aber	9 9 9	60	67·3	51·2	59·3	+2·1	75	11	42	27	–	–	1·05	27	·92	21	3	3	0	0	0	0	0	0	–	0	5·92	145
Llandudno ¶§	9 9 9	13	66·8	51·5	59·1	+1·5	76	30	41	27,28	–	–	·57	21	·48	21	3	2	0	0	0	0	0	0	–	0	6·18	141
Merioneth Harlech	21–9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Blaenau Ffestiniog	9 9 9	750	66·5	52·2	58·9	–	79	11	42	27	–	–	1·43	–	1·24	21	2	2	0	0	0	0	0	–	0	0	5·33	–
Corwen	9 9 9	473	–	40·4	–	–	–	–	23	28	–	–	·33	–	·31	21	2	1	0	0	0	0	–	2	1	–	–	–
Montgomery Lake Vyrnwy ...	9 9 9	995	64·5	46·0	53·3	–	76	11	36	27,28	–	–	·41	8	·37	21	2	2	0	0	0	0	0	0	2	0	–	–
8a SOUTH WALES																												
Cardigan Aberporth ...	21–9 9	376	67·1	52·9	60·0	–	77	11	39	27	–	–	·35	10	·27	21	2	2	0	0	0	0	0	0	1	0	7·25	–
Aberystwyth ...	9 9 9	12	68·3	51·9	60·1	–	78	13	39	27	–	–	·52	–	·39	21	2	2	0	0	0	0	0	0	–	0	7·24	162
,, P.B.S.*	9 9 9	452	67·5	51·5	59·5	–	78	11	40	27	–	–	·52	–	·37	21	2	2	0	0	0	0	0	1	0	0	7·12	165
Gogerddan ...	9 9 9	103	69·4	47·0	58·2	–	79	8,9,11	33	27,28	–	–	·55	15	·40	21	2	2	0	0	0	0	0	2	0	0	6·99	–
Swyddffynnon ...	9 9 9	540	68·5	45·6	57·1	–	83	10,11	27	26	–	–	·30	–	·30	21	1	1	0	0	0	0	0	2	3	0	–	–
Trawscoed ...	9 9 9	200	69·7	46·1	57·9	–	81	11	30	27	–	–	·59	15	·55	21	2	2	0	0	0	0	0	2	4	0	7·12	–
Llety-evan-hen ...	9 9 9	950	65·2	50·2	57·7	–	77	11	39	27	–	–	·79	–	·58	21	2	2	0	0	0	0	0	1	0	0	7·12	–
Pembroke Dale Fort ...	9 9 9	109	69·5	53·2	61·3	–	81	12	41	29	–	–	·27	–	·27	21	1	1	0	0	0	0	0	0	0	0	8·06	–
Brawdy	9 9 9	360	67·3	50·9	59·1	–	79	11	41	28	–	–	·24	–	·24	21	1	1	0	0	0	0	0	0	0	0	7·11	–
Milford Haven ...	9 9 9	179	69·9	51·8	60·9	–	81	12	40	28	–	–	·28	–	·28	21	1	1	0	0	0	0	0	0	–	0	7·87	–
Haverfordwest ...	9 9 9	131	69·7	47·3	58·5	+2·2	80	11,12	32	27,28	–	–	·25	6	·20	21	2	2	0	0	0	0	0	2	–	0	–	–
Radnor Llandrindod Wells ¶§	9 9 9	772	66·7	44·1	55·4	+0·8	79	11	28	28	–	–	·20	6	·15	21	2	2	0	0	0	0	0	2	–	0	6·50	160
Brecknock Llwynon ...	9 9 9	860	67·9	46·4	57·1	–	79	10,11	35	28	–	–	·53	–	·38	21	2	2	0	0	0	0	0	0	–	0	–	–
Glamorgan Mumbles Head ...	21–9 9	117	68·1	55·9	62·0	–	74	11	41	21	–	–	–	–	–	–	–	–	0	0	0	0	0	0	0	0	–	–
Swansea	9 9 9	27	69·4	54·2	61·8	+2·9	76	7,10,13	42	28	64·2	64·4	·54	14	·40	21	2	2	0	0	0	0	0	0	0	0	7·16	156
Port Talbot ...	9 9 9	24	72·0	51·7	61·9	–	83	11	38	27,28	–	–	·37	–	·35	21	2	1	0	0	0	0	0	0	0	–	6·87	–
Neath	9 9 9	153	69·1	51·3	60·2	–	78	10,11	39	28	–	–	·45	–	·32	21	2	2	0	0	0	0	0	0	0	0	–	–
Rhoose	21–9 9	220	69·7	50·4	60·1	–	79	11,12	38	27	–	–	·53	16	·46	21	2	2	0	0	0	0	0	0	0	0	8·29	–
Cardiff ... ¶§	9 9 9	202	70·2	51·2	60·7	+3·2	81	11	38	28	62·3	61·9	·25	7	·23	21	2	1	0	–	0	0	0	0	1	–	8·00	166
Monmouth Tredegar ...	9 9 9	1028	66·6	46·7	56·7	–	76	10,11	34	28	–	–	·31	–	·26	21	2	2	0	0	0	0	1	0	2	0	6·82	– S
Newport	9 9 9	75	71·1	50·8	60·9	–	81	10,11	40	28	–	–	·22	6	·19	21	2	1	0	0	0	0	0	0	–	0	7·49	–
Usk	9 9 9	70	70·5	43·4	56·9	–	80	10,11	28	28	61·0	–	·04	1	·04	21	1	1	0	0	0	0	2	3	0	0	6·73	–
Crumbland Plantation	9 9 9	804	67·3	50·5	58·9	–	77	11	40	27	58·8	59·7	·12	–	·10	21	2	1	0	0	0	0	2	0	2	0	7·43	–
8b ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9 9 9	1030	65·9	48·2	57·1	–	76	10	35	28	–	–	·51	–	·48	21	2	1	–	0	–	–	0	0	0	–	–	–
Bickenhall ...	9 9 9	231	72·0	45·7	58·9	–	81	10,11	35	28	59·1	59·8	·07	–	·06	21	2	1	0	0	0	1	0	0	1	0	7·55	–
Cannington ...	9 9 9	95	71·6	50·1	60·9	–	81	10	35	28	–	–	·12	5	·10	21	2	1	0	0	0	1	0	0	1	0	7·87	–
Weston-s.-Mare ...	9 9 9	28	70·8	50·6	60·7	–	80	10	37	28	–	–	·31	10	·16	21	2	2	0	0	0	0	0	1	0	0	8·18	173
Long Ashton ...	9 9 9	162	71·0	49·3	60·1	+2·8	81	10	37	28	60·6	–	·19	6	·16	21	2	1	0	0	0	0	0	2	0	0	7·08	151
Bath ... ¶§	9 9 9	67	72·2	48·1	60·1	+2·0	82	10	33	28	62·2	62·2	·17	7	·13	21	2	2	0	0	0	0	0	2	–	0	7·92	170
Dorset Portland Bill ...	21–9 9	35	68·3	57·9	63·1	+3·6	77	12	49	27	–	–	·02	1	·01	21	1	0	0	0	0	0	0	0	–	0	–	–
Weymouth ...	9 9 9	16	71·5	53·8	62·7	+3·2	81	11,12	44	21,28	–	–	·27	11	·25	21	2	1	0	0	0	0	0	0	–	0	8·49	164
Shaftesbury ...	9 9 9	680	69·7	50·6	60·1	+3·7	80	7,10,12	37	18	–	–	·20	8	·20	22	1	1	–	–	–	0	0	0	–	0	–	–
Swanage	9 9 9	37	67·9	52·8	60·3	–	75	11	45	28	–	64·0	·45	–	·24	21	3	2	0	–	0	0	0	0	0	0	8·27	–
Poole	9 9 9	18	73·1	49·1	61·1	–	84	11,12	37	28	–	–	·22	–	·15	21	2	2	0	0	0	0	0	–	0	0	8·16	–
Devon Hartland Pt. ...	21–9 9	298	66·6	55·9	61·3	–	75	11	48	28	–	–	·22	–	·21	21	2	1	0	0	0	0	0	0	0	0	7·99	–
Plymouth (Mt. Batten)	21–9 9	87	70·2	52·3	61·3	+2·9	81	12	40	28	–	–	Tr	0	Tr	21	0	0	0	0	0	0	0	0	0	0	8·82	173
Plymouth (The Hoe)	9 9 9	119	70·3	53·1	61·7	+2·9	82	12	42	28	61·9	62·4	Tr	0	Tr	22,26	0	0	–	0	0	0	1	0	0	0	9·25	181
Tavistock ...	9 9 9	457	70·9	51·5	61·2	+4·3	84	10	43	23	–	–	·18	–	·16	21	2	1	–	–	–	–	0	–	–	–	–	–
Chivenor ...	21–9 9	20	72·8	51·2	62·0	–	84	10	38	28	–	–	·41	–	·39	21	2	1	0	0	0	0	0	0	0	0	8·49	–
Ilfracombe ...	9 9 9	25	67·8	55·9	61·9	+2·7	77	11	46	27,28	62·4	62·4	·40	12	·29	21	2	2	0	0	0	0	0	0	0	0	8·02	171
Princetown ...	9 9 9	1359	64·5	50·0	57·3	–	75	11	42	27,28	–	–	·58	9	·53	21	2	2	0	0	0	0	1	0	0	0	–	–
**Totnes	9 9 9	120	70·5	45·1	57·8	–	81	12	30	28	58·8	59·3	·12	3	·06	21,25	2	2	0	0	0	0	0	1	3	0	8·05	–
†Newton Abbot ...	9 9 9	272	69·5	50·2	59·9	+2·0	80	12,13	37	28	–	–	·16	5	·12	21	2	2	0	0	0	0	0	0	0	0	8·34	167
Paignton... ...	9 9 9	8	69·3	53·0	61·1	–	79	12	40	28	–	–	·01	3	·01	21	1	0	0	0	0	0	0	0	–	0	7·98	159
Torquay	9 9 9	26	69·5	53·2	61·3	+2·3	81	12	42	28	–	64·4	·01	4	·01	21	1	0	0	0	0	0	0	0	0	0	8·84	168
Teignmouth ¶§	9 9 9	20	70·1	53·5	61·8	+2·6	80	12	40	28	–	–	·10	4	·10	21	1	1	0	0	0	1	0	0	0	0	8·34	160

¶§. § *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																												
Devon—cont. Starcross... ...	9 9 9	29	70·3	49·8	60·1	–	81	12	37	28	–	–	·12	–	·10	21	3	1	0	0	–	–	1	0	0	–	8·36	–
Exmouth ...	9 9 9	195	69·0	50·6	59·8	+2·0	82	12	39	28	–	–	·10	4	·09	21	2	1	0	0	0	1	0	0	–	0	8·69	183
Exeter	21–9 9	106	71·1	48·1	59·6	–	81	11	33	28	–	–	·17	7	·08	4	3	2	0	0	0	1	0	0	2	0	8·35	–
Ufculme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sidmouth ...	9 9 9	25	70·0	52·6	61·3	+3·1	82	12	41	28	–	–	·20	–	·14	4	2	2	–	0	–	–	0	0	0	–	8·52	–
Cornwall St. Mary's, Scilly	21–9 9	158	69·2	57·1	63·1	+4·1	75	8	52	28	–	–	·04	2	·02	17,20	2	0	0	0	0	0	1	0	–	0	7·41	143
Penzance ...	9 9 9	62	70·1	52·6	61·3	+2·2	79	12	42	28	–	–	·11	3	·06	21	2	2	0	0	0	0	0	0	–	0	8·48	167
Gulval	9 9 9	50	70·2	54·6	62·4	+3·8	79	8, 12	46	28	–	–	·11	–	·08	22	2	1	0	0	0	0	0	0	–	0	8·05	158
Camborne (Rosewarne)	9 9 9	250	68·7	53·2	60·9	–	79	12	44	28	–	61·3	·09	–	·05	21	2	2	0	0	0	0	0	0	0	0	7·88	–
Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Falmouth ¶§	9 9 9	167	67·6	53·6	60·6	+1·7	77	12	44	27	–	–	·10	3	·05	25	2	2	0	0	0	0	0	0	0	0	7·64	150
Newquay ...	9 9 9	176	69·1	51·0	60·1	+2·0	78	11	41	27,28	–	–	·13	5	·07	21	2	2	0	–	0	0	–	0	0	0	8·38	168
St. Mawgan ...	21–9 9	337	69·7	52·7	61·2	–	79	11,12	44	27	–	–	·40	–	·29	25	2	2	0	0	0	0	0	0	0	0	8·59	–
St. Austell ...	9 9 9	310	69·6	53·8	61·7	–	80	12	46	28	–	–	·14	4	·09	21	2	2	0	0	0	0	0	0	–	0	–	–
Fowey	9 9 9	51	70·3	52·7	61·5	+2·7	78	12	42	28	–	–	·09	–	·05	21	2	2	0	0	0	0	0	0	–	0	–	–
Bude	9 9 9	50	71·1	49·0	60·1	+2·2	83	11	36	27	–	–	·29	10	·27	21	2	1	0	0	0	0	–	0	–	0	8·57	177
Ellbridge ...	9 9 9	190	71·6	49·1	60·3	–	82	12	36	28	–	–	·10	–	·07	21	2	1	0	0	0	0	0	0	0	0	8·58	–
NORTHERN IRELAND																												
Londonderry Ballykelly ¶§	21–9 9	3	65·2	48·6	56·9	+1·9	78	11	39	15	–	–	·99	32	·48	20	7	4	0	0	0	0	1	0	0	0	5·12	128
Garvagh ¶	9 9 9	121	65·6	46·3	55·9	+2·0	77	11	37	3, 15	59·2	–	1·18	32	·65	20	7	5	0	0	0	0	2	0	3	0	–	–
Antrim Aldergrove ¶§	21–9 9	217	65·1	48·1	56·6	+2·2	78	11	40	15	–	–	1·65	55	·62	20	7	5	0	0	0	0	1	0	0	0	5·00	134
Nutts Corner ...	21–9 9	338	64·7	48·4	56·5	–	77	11	42	3,26,27	–	–	1·51	–	·74	20	6	5	0	0	0	0	0	0	1	0	–	–
Parkmore Forest	9 9 9	779	62·9	44·8	53·3	–	74	11	37	27	–	–	1·45	–	·97	20	4	3	0	0	0	0	0	0	–	0	–	–
Down Hillsborough §	9 9 9	388	65·6	48·9	57·3	–	76	6,9,11	42	15,16	57·1	–	1·64	54	·85	20	6	6	0	0	0	0	0	0	0	0	4·97	133
Kilkeel	21–9 9	59	64·3	49·8	57·1	–	73	12	39	27	–	–	2·32	–	1·09	20	5	5	0	0	0	0	0	0	0	0	–	–
Belfast (Stormont Castle) ...	9 9 9	200	64·6	49·8	57·2	–	77	12	43	1,26,27	–	–	1·18	–	·56	20	6	6	0	0	0	0	–	0	–	0	–	–
Armagh Armagh ... ¶§	9 9 9	205	66·6	47·6	57·1	+2·3	80	11	38	2, 3	59·5	60·1	1·59	54	·90	20	7	5	0	0	0	0	3	0	0	0	4·68	126
Loughgall ...	9 9 9	91	65·8	45·4	55·6	–	78	11	36	2, 4	–	–	1·32	–	·77	20	7	5	0	0	0	0	–	0	7	0	4·60	–
Fermanagh Ely Lodge ...	9 9 9	165	64·9	46·6	55·7	–	74	9,11	39	15	59·6	58·7	2·29	–	·96	20	9	7	0	0	0	1	2	0	0	0	–	–
CHANNEL ISLES																												
Guernsey States Airport ...	9 9 9	340	68·5	58·3	63·4	–	81	10,11	54	21,28	62·8	62·4	·29	10	·18	21	4	2	0	0	0	0	0	0	0	0	8·88	–
Alderney States Airport ...	9 9 9	288	67·4	57·7	62·5	–	76	10,11	54	14,21,28	62·6	–	·15	–	·11	21	3	1	0	0	0	0	0	0	–	0	8·14	–
Jersey Jersey Airport ...	9 9 9	273	71·2	58·1	64·7	–	83	10	50	28	–	–	·51	19	·47	16	3	1	0	0	0	0	1	0	0	0	8·95	–
St. Helier ...	9 9 9	28	73·1	59·5	66·3	–	85	10	52	28	–	–	·87	35	·80	16	4	2	0	0	0	0	0	0	–	0	9·03	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1959

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								DIRECTION							
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)																	
																													BEAUFORT FORCE																	
																													8 or more	6, 7	4, 5	1 to 3	Calm													
																													SPEED IN KNOTS																	
																													34 or more	22 to 33	11 to 21	1 to 10	0													
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%		0	1 2	3 to 5	6 7	8	9	0-44 yd.	45-210 yd.	220-430 yd.	440-1,000 yd.	1,100-2,190 yd.	2,200-4,390 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over											N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND, N.			3	272	1019·6	–	50·0	1·1	11·4	92	5·4	2	6	3	10	9	0	0	1	0	0	1	1	5	3	10	9	0	2	11	15	2	3	0	0	1	8	6	6	4
			9	272	1019·8	+9·7	53·1	2·0	12·0	87	6·5	1	2	2	15	10	0	0	0	0	0	0	2	7	4	11	6	0	5	13	12	0	2	0	0	1	2	9	6	5	5
Zetland	Lerwick Observatory	H	15	272	1019·8	–	54·6	2·8	11·9	81	5·8	0	4	5	17	3	1	0	1	0	0	0	0	7	6	5	7	11	0	2	23	5	0	3	0	0	0	1	2	8	5	11	1
			21	272	1020·0	–	50·7	1·1	11·7	93	5·1	0	8	6	9	5	2	0	1	0	1	0	2	7	3	12	4	0	3	12	14	1	4	0	0	1	7	7	5	3
			3	94	1020·2	–	51·0	1·4	11·5	90	4·7	4	5	7	5	8	1	0	1	1	0	0	0	5	4	11	8	0	1	8	19	2	2	0	0	3	11	7	5	0
			9	94	1020·6	–	54·8	2·3	12·5	85	5·6	1	5	4	12	8	0	0	0	0	0	0	0	5	7	8	10	0	1	12	16	1	1	1	0	2	12	5	6	2
Orkney	Grimsetter..	H	15	94	1020·4	–	58·6	4·6	12·3	73	4·9	3	5	5	10	7	0	0	0	0	0	0	0	3	8	8	12	0	1	12	17	0	6	0	0	1	3	8	3	7	2
			21	94	1020·5	–	52·1	1·6	11·9	89	5·1	0	10	4	7	8	1	0	0	1	0	0	1	3	7	10	8	0	0	3	22	5	3	0	0	2	11	7	2	0
			3	121	1021·0	–	50·3	1·7	10·9	87	4·8	6	5	1	8	10	0	0	1	0	0	1	1	5	3	9	10	0	0	6	20	4	2	0	0	3	6	7	5	3
			9	121	1021·3	+10·3	55·3	2·9	12·2	81	5·6	2	4	3	14	7	0	0	0	0	0	1	1	6	7	4	11	0	2	10	16	2	2	1	0	3	10	4	6	2
Caithness	Wick ..	H	15	121	1020·9	–	58·2	4·4	12·3	74	4·9	1	9	2	14	4	0	0	0	0	1	0	0	4	7	3	15	0	1	7	21	1	4	2	0	0	7	11	1	3	1
			21	121	1021·2	–	53·0	2·2	11·7	85	4·5	1	12	3	8	5	1	0	1	0	1	0	0	7	4	3	14	0	0	7	17	6	3	0	0	3	7	5	3	3
			3	371	1019·3	–	53·8	2·1	12·2	86	5·6	6	0	4	6	14	0	0	0	0	0	0	0	1	5	6	18	0	5	4	18	3	2	1	1	1	7	9	7	0
			9	371	1019·7	–	54·3	2·5	12·1	85	5·6	5	0	4	10	11	0	0	0	0	0	0	0	2	3	9	16	0	2	7	18	3	0	2	1	3	6	10	4	1
Sutherland	Cape Wrath ..		15	371	1019·7	–	57·0	3·0	13·0	83	5·4	6	1	4	9	10	0	0	0	0	0	0	0	4	1	10	15	1	1	6	19	3	2	1	1	0	6	13	4	0
			21	371	1019·8	–	54·7	2·4	12·4	85	5·0	5	2	6	8	8	1	0	0	0	1	0	0	0	4	7	18	0	1	6	18	5	2	3	0	2	7	8	3	0
			3	16	1019·8	–	52·4	1·7	12·0	89	4·9	4	6	4	5	10	1	0	1	0	0	0	0	1	14	13	1	0	4	9	13	4	2	1	1	2	12	3	3	2
Ross & Cromarty	Stornoway	H	9	16	1020·3	+9·5	56·0	2·8	12·8	83	5·2	3	5	2	13	7	0	0	0	0	0	0	0	8	5	11	6	0	3	15	9	3	2	3	1	1	14	2	4	0
			15	16	1020·0	–	58·9	4·1	12·9	76	4·8	1	9	4	11	5	0	0	0	0	0	0	0	0	10	11	8	0	2	18	10	0	1	4	0	1	14	6	4	0
			21	16	1020·2	–	53·6	2·0	12·3	87	4·2	6	8	0	9	7	0	0	0	0	1	1	0	3	11	9	5	0	2	10	14	4	2	2	2	2	11	6	1	0
			3	21	1019·6	–	53·1	1·6	12·3	89	4·8	4	7	3	4	11	1	0	1	0	0	1	2	4	6	8	8	0	0	14	15	1	4	1	1	4	14	2	3	0
			9	21	1020·0	–	56·9	2·6	13·3	84	5·4	1	5	7	8	9	0	0	0	0	0	0	1	7	8	7	7	0	2	12	14	2	3	1	1	4	9	4	6	0
Inverness	Benbecula..	H	15	21	1019·9	–	59·6	4·2	13·3	76	5·3	2	5	4	14	5	0	0	0	0	0	0	0	6	7	6	11	0	3	14	13	0	1	3	0	3	13	6	3	1
			21	21	1019·9	–	55·1	2·3	12·7	86	5·2	2	7	4	9	7	1	0	0	1	0	1	1	3	9	6	9	0	0	10	18	2	1	4	0	4	12	4	3	0
1 SCOTLAND, E.			3	19	1020·8	–	51·0	2·2	10·9	85	4·9	6	5	1	6	12	0	0	0	0	0	0	0	4	6	16	4	0	0	3	26	1	1	0	0	3	8	11	6	0
			9	19	1021·1	–	56·5	4·1	11·6	75	5·2	2	4	6	13	5	0	0	0	0	0	0	2	4	5	9	10	0	1	6	22	1	2	1	2	1	5	10	8	0
Moray	Kinloss ..	H	15	19	1020·4	–	62·0	6·7	12·0	64	5·1	0	8	5	14	3	0	0	0	0	0	0	0	3	8	5	14	0	1	6	23	0	6	6	1	1	5	5	4	2
			21	19	1020·8	–	54·7	3·3	11·6	79	5·4	3	3	5	13	6	0	0	0	0	0	0	1	3	9	8	9	0	0	3	27	0	1	1	3	2	11	7	4	1
			3	193	1022·2	–	48·1	1·3	10·4	90	4·0	7	5	4	10	3	1	0	1	1	1	0	4	9	11	3	0	0	0	1	7	22	1	0	0	1	2	0	2	2
			9	193	1022·5	+10·2	55·6	3·6	11·7	78	4·5	3	8	4	12	3	0	0	0	0	0	0	3	9	10	5	3	0	0	5	14	11	3	1	0	0	5	3	4	3
Aberdeen	Dyce ..	H	15	193	1022·1	–	61·5	6·8	11·7	63	4·8	0	9	7	11	3	0	0	0	0	0	0	0	5	11	11	3	0	0	7	22	1	1	2	5	5	11	1	2	2
			21	193	1022·4	–	52·8	2·5	11·4	84	4·9	0	9	4	10	7	0	0	0	0	0	0	2	16	5	7	0	0	0	2	15	13	2	0	0	3	5	4	2	1
			3	108	1021·4	–	51·0	1·6	11·4	89	4·5	0	4	13	11	0	2	0	2	0	0	0	3	11	15	10	0	0	0	2	26	2	3	0	0	0	13	7	4	1
			9	108	1021·6	–	54·5	2·7	12·1	85	5·0	0	5	8	14	2	1	0	1	0	0	0	1	0	3	11	14	0	0	0	6	21	3	5	0	0	0	12	3	7	0
	Rattray Head ...		15	108	1021·3	–	58·1	4·4	12·2	73	4·5	0	7	9	13	1	0	0	0	0	0	0	1	0	1	9	20	0	0	0	15	13	2	5	1	2	1	12	0	4	3
			21	108	1021·4	–	52·8	2·0	11·9	86	4·8	0	1	17	10	2	0	0	0	0	0	0	1	0	2	16	11	0	0	0	6	22	2	4	0	0	1	2	15	2	4	0
			3	36	1021·8	–	50·9	1·5	11·4	89	3·8	11	3	3	3	9	1	0	0	0	1	0	2	2	9	5	10	1	0	0	1	21	8	3	1	0	1	0	2	15	0	0
			9	36	1022·3	+9·5	55·6	2·9	12·4	81	5·2	3	6	0	14	7	0	0	0	0	2	0	0	13	6	6	3	0	0	3	23	4	1	2	3	0	0	7	11	2	0
Fife	Leuchars ..	H	15	36	1021·4	–	63·0	6·9	12·4	64	4·9	1	8	5	12	4	0	0	0	0	0	0	1	3	13	8	5	0	0	15	15	0	0	0	2	2	9	2	0	0
			21	36	1021·8	–	54·6	2·5	12·3	84	3·9	6	7	5	6	6	0	0	0	0	0	1	2	9	10	6	2	0	0	2	23	5	2	3	1	3	0	5	11	0	0
			3	114	1022·3	–	48·9	1·3	10·8	91	4·2	10	3	3	3	10	1	0	1	0	0	1	2	11	8	7	0	0	0	3	9	18	0	3	0	0	0	3	6	0	0
			9	114	1022·8	–	55·7	2·8	12·4	82	5·1	3	6	3	10	8	0	0	0	0	0	2	5	10	10	2	1	0	0	0	7	12	11	1	1	3	0	4	10	0	0
Midlothian	Turnhouse	H	15	114	1021·8	–	63·6	7·8	12·0	61	4·9	0	10	5	10	5	0	0	0	0	0	0	2	8	12	5	3	0	0	11	19	0	3	11	2	1	1	4	8	0	0
			21	114	1022·2	–	53·4	2·4	11·9	85	3·8	8	6	3	8	5	0	0	0	0	0	0	6	12	9	3	0	0	0	3	14	13	0	1	2	0	1	7	6	0	0
6a SCOTLAND, W.			3	34	1020·6	–	55·0	1·8	13·1	88	4·0	8	6	3	3	10	0	0	0	0	0	0	0	7	11	9	3	0	3	14	11	2	1	1	1	9	11	2	2	1
			9	34	1021·0	+8·9	57·3	2·7	13·4	83	5·5	2	6	2	11	9	0	0	0	0	0	0	2	3	7	8	4	6	0	1	15	14	0	1	3	0	7	9	7	3	0
Argyll	Tiree ..	H	15	34	1020·8	–	59·6	3·9	13·6	78	4·9	2	7	6	9	6	0	0	0	0	0	0	2	9	8	5	6	0	3	11	12	4	4	0	0	5	11	4	2	0
			21	34	1020·8	–	55·4	2·1	13·0	86	4·3	2	11	4	5	7	1	0	1	0	1	0	2	5	8	7	6	0	1	14	9	6	5	1	0	4	10	0	4	0
			3	122	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			9	122	1021·5	–	57·3	2·8	13·4	83	4·8	2	7	3	12	6	0	0	0	0	0	0	0	8	4	9	9	0	0	7	21	2	0	0	2	3	18	1	2	2
	Rhuvaal	E	15	122	1021·1	–	60·5	3·9	14·1	79	5·2	1	6	6	11	6	0	0	0	0	0	0	0	5	9	6	10	0	0	8	21	1	1	1	3	4	13	0	4	3
			21	122	1021·1	–	56·1	2·6	12·9	83	3·7	0	13	8	6	3	0	0	0	0	0	0	0	6	7	5	12	0	0	6	23	1	1	1	2	4	14	3	2	2
			3	29	1022·3	–	50·0	1·0	11·5	93	4·6	6	5	3	8	8	0	0	0	0	0	0	1	11	11	1	5	1	0	0	0	9	21	0	1	2	0	3	0	3	0
			9	29	1022·7	+9·3	54·8	2·5	12·3	84	5·4	5	1	4	13	7	0	0	0	0	0	12	7	6	3	0	2	0	0	2	9	19	0	0	2	0	2	2	5	0	0
Renfrew	Renfrew ..	H	15	29	1021·7	–	54·3	7·5	12·6	63	5·5	0	5	7	13	5	0	0	0	0	0	0	0	16	4	8	2	0	0	3	23	4	0	0	2	3	1	5	8	4	3
			21	29	1022·1	–	55·2	2·7	12·5	84	4·1	7	3	6	10	4	0	0	0	0	0	0	2	14	12	2	0	0	0	0	2	17	11	0	4	2	0	5	3	5	0
			3	33	1022·0	–	52·1	2·5	11·1	84	4·3	8	3	5	6	8	0	0	0	0	0	0	1	12	10	7	0	0	0	4	22	4	0	4	8	7	4	2	1	0	0
			9	33	1022·4	–	57·4	3·9	12·4	77	5·1	2	7	2	13	6	0	0	0	0	0	0	1	17	6	4	2	0	0	4	22	4	0	3	9	5	4	1	3	1	1
Ayr	Prestwick Airport	H	15	33	1021·7	–	63·1	6·5	12·8	65	5·2	0	7	7	9	7	0	0	0	0	0	0	0	4	14	9	3	0	0	5	25	0	0	3	2	3	4	5	12	1	0
			21	33	1021·9	–	55·1	2·9	12·1	81	3·7	8	7	3	6	6	0	0	0	0	0	0	1	16	8	5	0	0	0	1	20	9	2	3	7	6	1	1	1	0	0
			9	778	1022·8	+9·0	53·4	2·3	11·8	84	5·8	2	3	5	9	10	1	0	1	0	0	0	1	9	7	8	4	7	0	0	2	13	15	6	0	0	1	1	3	3	1
Dumfries	Eskdalemuir	H	15	778	1021·5	–	62·1	6·7	12·1	64	5·5	0	6	5	12	7	0	0	0	0	0	0	1	6	7	5	11	0	0	6	19	5	3	1	1	3	10	2	3	2
			21	778	1022·7	–	50·0	1·3	11·1	90	4·0	9	4	4	8	5	0	0	0	0	0	0	3	10	6	5	6	0	0	1	13	16	1	1	0	0	3	4	1	4
			3	260	1021·9	–	55·7	1·9	13·4	88	5·3	0	6	9	5	10	0	0	1	2	0	0	0	0	6	21	0	0	3	14	13	0	1	2	7	2	7	7	3	1
			9	260	1022·3	–	57·9	2·7	13·7	84	6·4	0	2	6	9	13	0	0	1	0	1	0	0	0	10	18	0	0	2	17	11	0	1	3	10	3	6	4	2	1
Wigtown	Mull of Galloway	H	15	260	1021·8	–	61·9	4·5	14·1	75	5·6	0	4	8	11	7	0	0	1	0	0	0	0	2	10	16	1	0	2	15	13	0	0	3	9	2	9	2	4	1
			21	260	1021·8	–	57·2	2·7	13·4	84	4·7	0	8	9	6	7	0	0	0	1	0	0	0	1	9	18	1	0	4	9	17	0	1	3	5	2	10	5	2	2
6b ISLE OF MAN																																														
			3	31	1021·9	–	56·2	2·6	13·1	85	3·9	9	5	2	10	3	1	0	1	0	0	0	1	3	10	12	3	0	0	11	16	3	0	1	6	9	4	4	2	1
			9	31	1022·4	–	59·8	3·6	13·9	78	4·6	2	8	7	9	4	0	0	0	0	1	0	0	0	7	8	11	3	0	1	9	20	0	1	4	6	7	3	5	3	1
Isle of Man	Point of Ayre ...		15	31	1022·1	–	64·1	6·4	13·7	66	4·2	6	6	3	11	4	0	0	0	0	0	0	0	0	6	7	14	3	0	0	11	19	0	1	4	5	9	3	4	3	1
			21	31	1021·8	–	56·3	2·6	13·0	83	3·2	11	7	0	6	6	0	0	0	0	0	0	0	0	4	12	11	3	0	0	6	18	6	1	4	2	3	4	5	5	0
			3	68	1022·1	–	55·1	2·5	12·4	84	3·9	10	4	2	4	10	0	0	0	0	0	0	0	2	9	11	3	5	0	1	14	10	5	4	4	6	4	0	4	2	1
			9	68	1022·5	–	59·9	3·8	13·7	77	5·2	3	3	5	15	4	0	0	0	0	0	0	0	4	10	8	1	7	0	1	23	4	2	0	3	8	7	1	5	3	1
	Ronaldsway	H	15	68	1022·0	–	63·2	6·0	13·4	68	4·0	7	7	1	9	6	0	0	0	0	0	0	1	3	9	6	4	7	0	1	18	11	0	0	1	12	7	3	4	2	1
			21	68	1022·1	–	55·5	2·9	12·4	83	3·5	10	5	4	4	7	0	0	0	0	0	0	1	12	9	2	6	0	1	11	12	6	7	4	4	1	3	2	2	1
2 ENGLAND, N.E.																																														
			3	142	1022·6	–	48·4	1·3	10·6	90	3·3	11	6	2	6	5	0	0	0	0	2	1	4	11	2	5	5	0	0	1	26	3	3	0	0	0	2	1	19	2
Northumberland	Acklington	H	9	142	1023·1	–	56·8	3·6	12·3	78	4·9	5	3	5	11	6	0	0	0	0	0	0	0	5	11	3	4	7	0	0	5	24	1	5	3	2	3	5	3	5	3
			15	142	1022·3	–	61·8	6·1	12·6	67	4·1	5	7	4	11	3	0	0	0	0	0	0	0	3	8	7	6	6	0	1	10	19	0	3	3	3	5	8	1	6	3	1
			21	142	1022·7	–	52·0	1·8	11·7	88	3·2	8	8	4	5	5	0	0	1	0	0	1	6	9	5	3	5	0	0	3	21	6	6	0	0	1	3	7	6	1

21·5
−5·5

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1959

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															
											NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS								FORCE (0-12)								DIRECTION							
																										Beaufort Force															
																										8 or more	6, 7	4, 5	1 to 3	Calm											
																										Speed in knots															
																										34 or more	22 to 33	11 to 21	1 to 10	0											
		G.M.T.	ft.	mb.	mb.	°F.	°C	mb.	%	Mean Amount	0	1 2	3 to 5	6 7	8	9		0-44 yd.	45-219 yd.	220-439 yd.	440-1,099 yd.	1,100-2,199 yd.	2,200-4,399 yd.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over								N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*																																									
Northumberland—*cont.*	Tynemouth H	3	130	1022·7	–	53·5	2·4	11·8	83	3·2	14	2	3	4	7	0	0	0	0	0	2	4	13	11	0	0	0	0	4	20	6	3	1	0	0	5	5	8	2
		9	130	1023·2	+9·1	56·4	3·8	11·8	76	5·0	5	2	8	5	9	1	1	0	0	0	4	7	4	6	8	0	0	0	0	4	21	5	3	3	0	0	6	4	8	1
		15	130	1022·6	–	60·2	5·2	12·5	71	4·8	5	2	9	4	9	1	0	1	0	0	1	1	4	10	13	0	0	0	0	12	18	0	4	4	4	7	5	2	4	0
		21	130	1022·7	–	57·0	3·2	12·7	80	3·9	11	3	3	3	9	1	1	0	0	1	0	3	4	7	15	0	0	0	0	5	22	3	3	3	2	2	3	3	6	2
		3	118	1023·2	–	50·0	1·4	11·2	91	4·3	10	3	1	7	8	1	1	0	2	1	3	8	11	4	1	0	0	0	0	20	10	5	0	2	1	1	3	6	2	0
Durham	Middleton St. George H	9	118	1023·5	–	56·0	3·2	12·2	80	5·1	3	7	2	9	8	1	0	0	0	1	2	5	15	3	3	1	0	0	0	3	20	7	2	2	0	0	8	7	1	3
		15	118	1022·3	–	65·3	8·7	11·9	58	5·1	0	7	8	8	7	0	0	0	0	0	1	2	16	6	2	3	0	0	0	10	20	0	2	9	4	2	7	2	3	1
		21	118	1023·4	–	55·3	3·3	11·9	79	3·4	8	5	8	5	4	0	0	1	0	0	0	7	14	7	1	0	0	0	0	1	26	3	5	2	1	0	8	6	3	2
		3	131	1022·9	–	50·4	1·3	11·0	91	4·6	7	5	2	8	7	1	0	0	1	1	1	10	11	5	1	0	0	0	0	2	24	4	8	2	0	1	4	1	0	2
Yorks., N. Riding	Dishforth H	9	131	1023·6	–	56·2	3·4	12·1	79	5·6	2	2	6	12	8	0	0	0	0	0	3	6	15	2	3	1	0	0	0	3	27	0	11	2	3	5	6	4	1	0
		15	131	1022·1	–	67·0	10·0	11·5	53	5·8	1	3	5	16	5	0	0	0	0	0	0	2	10	6	4	8	0	0	0	10	19	1	5	3	4	6	4	1	0	2
		21	131	1023·1	–	55·0	3·1	11·8	80	4·1	6	6	6	6	6	0	0	0	0	0	1	4	11	2	9	3	0	0	0	0	29	1	3	2	5	8	6	3	0	2
		3	27	1023·1	–	50·5	1·2	11·6	93	4·0	9	5	2	7	3	4	0	5	1	1	3	8	2	5	4	1	0	0	0	16	14	4	2	2	0	0	1	2	5	2
Yorks., E. Riding	Leconfield.. H	9	27	1023·7	–	58·0	3·3	13·2	80	5·7	3	2	4	12	7	2	0	2	0	0	0	7	9	3	6	3	0	0	0	5	20	5	5	9	0	2	1	5	1	0
		15	27	1022·7	–	66·1	9·2	11·8	55	5·0	1	7	5	14	3	0	0	0	0	0	0	0	9	8	3	10	0	0	0	14	16	0	2	10	4	5	1	2	6	0
		21	27	1023·3	–	53·7	2·1	12·2	86	3·5	8	6	5	6	5	0	0	0	0	0	3	7	6	8	5	1	0	0	0	0	18	12	5	2	1	2	1	4	2	2
		3	54	1022·8	–	56·8	2·0	13·7	87	3·4	2	11	6	8	1	2	0	1	0	2	0	2	16	9	0	0	0	0	0	10	17	3	6	8	0	2	4	3	2	2
	Spurn Head H	9	54	1023·4	+8·4	59·3	3·1	14·2	82	4·3	4	6	8	9	3	0	0	1	0	0	0	4	18	7	0	0	0	0	0	8	19	3	7	7	0	3	3	3	2	2
		15	54	1022·8	–	62·1	4·6	14·1	75	4·2	3	10	2	14	1	0	0	0	1	0	0	19	9	0	0	0	0	0	0	15	15	0	6	8	4	5	2	1	3	2
		21	54	1022·9	–	59·1	2·6	14·5	84	2·8	11	6	6	7	0	0	0	0	0	0	0	2	20	8	0	0	0	0	0	12	15	3	2	10	2	6	2	3	2	1
		3	227	1023·0	–	51·9	1·4	12·0	91	2·7	15	4	1	6	2	2	0	3	1	1	2	5	11	6	1	0	0	0	0	1	25	4	11	3	2	1	3	3	2	1
Lincoln	Waddington H	9	227	1023·6	–	58·5	3·8	12·9	78	5·2	3	3	5	16	2	1	0	0	1	1	0	4	13	5	5	1	0	0	0	5	23	2	9	5	2	2	3	3	3	1
		15	227	1022·2	–	67·1	10·1	11·6	52	5·3	0	6	5	15	4	0	0	0	0	0	0	0	6	9	6	9	0	0	0	15	15	0	3	9	6	1	3	4	3	1
		21	227	1023·1	–	56·0	3·1	12·2	80	3·8	7	7	5	6	5	0	0	0	0	0	0	1	14	10	4	1	0	0	0	1	28	1	4	10	4	5	1	2	3	0
		3	47	1022·9	–	51·7	1·2	12·3	93	3·9	6	7	5	6	4	2	1	3	0	2	1	4	8	6	3	2	0	0	0	0	18	12	5	3	0	1	3	1	2	0
	Manby H	9	47	1023·4	–	60·4	4·2	13·8	76	5·1	3	3	6	13	5	0	0	0	0	0	1	2	9	8	5	5	0	0	0	6	22	2	6	9	0	1	5	2	2	0
		15	47	1022·4	–	65·3	7·2	13·2	63	5·1	2	4	5	16	3	0	0	0	0	0	0	1	8	11	2	8	0	0	0	10	20	0	3	10	6	3	2	4	3	0
		21	47	1023·1	–	54·9	1·7	13·2	89	4·1	4	8	5	7	5	1	0	0	1	0	3	0	14	7	2	3	0	0	1	23	6	4	5	1	4	4	1	4	1	
3 ENGLAND, E.																																									
		3	89	1022·5	–	52·0	1·3	12·1	91	3·7	12	1	4	9	2	2	0	2	0	0	2	4	11	7	3	1	0	0	0	26	4	13	2	5	1	4	0	1	0	
Norfolk	Marham H	9	89	1023·1	–	60·3	3·9	13·7	77	4·9	4	6	2	13	4	1	0	0	0	0	0	2	2	10	5	6	5	0	0	0	10	16	4	4	9	7	2	1	2	2	1
		15	89	1022·0	–	68·0	10·2	11·8	52	4·9	3	4	6	14	3	0	0	0	0	0	0	0	1	11	12	6	0	0	0	19	10	1	3	10	7	2	2	1	3	0
		21	89	1022·7	–	56·4	2·8	12·8	82	3·6	12	2	2	10	4	0	0	0	0	0	0	0	2	7	10	9	2	0	0	0	2	27	1	12	2	7	5	1	2	0	2
		3	263	1022·5	–	52·4	1·4	12·3	91	3·5	12	3	2	9	2	2	0	0	2	2	4	1	0	11	5	5	0	0	0	1	27	2	4	11	1	5	1	3	3	2
	West Raynham H	9	263	1023·1	–	60·5	4·1	13·9	77	4·7	3	6	3	16	2	0	0	0	0	0	0	2	12	6	5	5	0	0	0	10	19	1	1	11	5	4	0	3	3	2
		15	263	1021·9	–	66·5	9·4	12·0	55	4·8	3	7	3	15	2	0	0	0	0	0	0	0	4	12	7	7	0	0	0	23	5	2	2	12	5	2	3	2	1	2
		21	263	1022·8	–	55·3	2·5	12·7	84	3·6	7	8	4	8	2	1	0	0	1	0	3	1	10	8	7	0	0	0	3	27	0	1	14	2	6	3	1	1	2	
		3	26	1022·1	–	59·0	2·8	14·3	83	3·6	12	1	6	4	6	1	0	1	0	0	0	0	15	14	0	0	0	0	0	10	19	1	2	13	4	0	3	2	2	0
	Gorleston	9	26	1022·8	+6·9	61·5	3·4	15·2	80	3·6	5	10	2	12	1	0	0	0	0	0	0	0	1	18	11	0	0	0	0	8	21	1	2	11	5	1	2	0	3	3
		15	26	1022·3	–	64·0	5·1	15·0	73	4·0	5	7	5	10	3	0	0	0	0	0	0	0	1	12	17	0	0	0	0	10	20	0	0	16	5	4	2	0	1	0
		21	26	1022·4	–	61·3	3·3	15·1	81	2·8	15	3	2	7	3	0	0	0	0	1	0	1	13	15	0	0	0	0	0	11	16	3	3	14	1	2	6	2	3	0
		3	39	1022·3	–	49·9	1·0	11·3	92	3·3	13	3	3	7	2	2	0	4	1	3	0	3	7	10	2	0	0	0	0	0	24	6	7	4	1	3	2	5	2	0
		9	39	1022·9	–	59·5	3·8	13·5	79	4·8	2	6	6	11	3	2	0	2	0	1	1	5	8	7	6	0	0	0	0	4	18	8	3	8	3	1	1	2	4	0
Suffolk	Mildenhall H	15	39	1021·4	–	70·0	11·7	11·5	47	4·9	2	4	10	10	4	0	0	0	0	0	0	3	13	11	3	0	0	0	0	7	23	0	3	11	5	4	1	2	2	0
		21	39	1022·4	–	56·5	3·1	12·6	81	3·6	9	6	4	7	4	0	0	0	0	0	0	2	9	15	3	1	0	0	0	0	30	0	7	7	8	3	2	0	1	2
		3	13	1021·8	–	57·9	2·7	13·6	83	3·0	11	6	3	8	2	0	0	0	0	0	1	2	8	12	7	0	0	0	0	4	24	2	17	2	2	1	1	1	3	3
	Felixstowe.. H	9	13	1022·4	+6·0	62·9	4·6	14·7	75	3·7	5	6	8	9	2	0	0	0	0	1	0	3	7	12	7	0	0	0	0	9	21	0	9	11	2	1	0	1	2	3
		15	13	1021·6	–	66·6	6·3	15·0	67	3·5	4	7	9	9	1	0	0	0	0	0	0	2	5	11	11	1	0	0	0	18	12	0	2	20	1	4	1	1	0	1
		21	13	1022·0	–	60·4	3·5	14·3	80	2·8	7	13	3	3	4	0	0	0	0	0	1	2	5	10	11	1	0	0	0	6	23	1	16	3	3	1	2	0	1	1
		3	141	1022·5	–	51·9	1·8	11·7	88	3·2	11	6	2	6	4	1	0	1	0	0	1	10	18	0	0	0	0	0	0	25	5	13	4	2	0	1	4	2	2	0
Huntingdon	Wyton .. H	9	141	1023·2	–	59·6	4·1	13·2	76	5·2	2	5	3	15	4	1	0	0	1	1	0	6	10	8	4	0	0	0	0	7	21	2	5	11	3	2	1	2	2	0
		15	141	1021·6	–	69·1	11·4	11·4	48	5·3	4	2	5	15	4	0	0	0	0	0	0	0	6	9	14	1	0	0	0	15	15	0	2	9	4	5	4	3	2	1
		21	141	1022·6	–	57·6	4·5	11·8	73	3·7	8	6	3	8	5	0	0	0	0	0	0	0	3	11	14	2	0	0	0	2	26	2	1	13	6	2	0	1	1	2
		3	96	1022·5	–	48·5	0·9	10·9	93	2·9	13	5	2	6	4	0	0	0	1	0	0	2	4	18	5	0	0	0	0	0	8	22	2	3	1	1	2	0	1	1
Bedford	Cardington H	9	96	1023·1	–	59·3	4·0	13·2	77	4·6	4	4	7	12	2	1	0	0	1	1	1	2	12	12	1	0	0	0	0	9	17	4	2	17	0	2	0	1	2	0
		15	96	1021·4	–	70·0	11·5	11·8	48	4·5	3	5	8	13	1	0	0	0	0	0	0	0	6	15	9	0	0	0	0	15	14	1	3	11	7	1	3	1	2	0
		21	96	1022·3	–	55·8	3·3	12·0	79	2·6	12	5	7	4	2	0	0	0	0	0	0	0	13	16	1	0	0	0	0	3	22	5	1	17	3	1	1	2	0	0
		3	517	1022·1	–	51·8	1·5	11·9	90	3·3	14	3	0	8	4	1	0	1	0	1	2	2	17	6	1	0	0	0	0	2	22	6	12	4	2	1	1	2	0	2
Hertford	Bovingdon H	9	517	1022·4	–	59·0	3·7	13·3	77	4·3	5	6	4	12	3	0	0	0	0	1	1	2	14	6	5	1	0	0	0	10	18	2	13	6	2	2	1	1	2	1
		15	517	1020·4	–	68·4	10·7	11·7	50	3·5	3	7	13	7	0	0	0	0	0	0	0	0	6	10	12	2	0	0	0	11	19	0	6	9	4	3	3	1	1	3
		21	517	1022·0	–	57·2	3·9	12·3	76	2·6	12	5	8	4	1	0	0	0	0	0	0	0	3	10	18	9	3	0	0	2	25	3	8	8	6	0	3	0	1	0
		9	12	1022·5	+5·7	62·8	3·9	15·4	78	3·7	8	6	4	10	2	0	0	0	0	0	0	2	4	10	8	4	2	0	0	8	20	2	9	8	4	2	2	0	2	2
Essex	Shoeburyness H	15	12	1021·7	–	66·1	5·6	15·5	70	3·7	4	8	6	11	1	0	0	0	0	0	0	1	9	10	7	3	0	0	0	15	15	0	2	13	12	2	0	1	0	0
		21	12	1022·1	–	58·6	2·1	14·8	87	2·2	10	11	3	5	1	0	0	0	0	1	0	3	12	8	4	2	0	0	0	3	27	0	10	8	6	0	4	1	0	1
4 MIDLAND COUNTIES																																									
		3	769	1023·4	–	50·9	1·3	11·5	91	4·6	7	4	3	4	12	0	0	1	0	5	3	9	7	2	2	1	0	0	1	26	3	1	9	4	2	4	1	5	1	
Yorks, W.R.	Huddersfield (Oakes) H	9	769	1023·6	–	57·1	3·7	12·3	78	4·6	6	4	4	6	10	0	0	0	1	1	4	9	8	4	2	1	0	0	0	24	6	0	7	7	1	1	4	3	1	0
		15	769	1022·1	–	64·5	8·6	11·5	57	4·3	4	5	9	3	9	0	0	0	0	0	0	0	2	7	12	7	2	0	0	3	25	2	0	7	7	2	0	3	6	0
		21	769	1023·4	–	54·1	3·1	11·5	80	3·4	13	2	4	3	8	0	0	0	0	0	0	2	5	14	7	1	1	0	0	0	19	11	0	7	4	0	1	3	4	0
		3	390	1023·0	–	51·6	1·5	11·8	90	3·8	8	4	6	6	6	0	0	0	0	0	0	8	5	14	3	0	0	0	0	0	17	13	3	5	5	0	0	0	3	1
Nottingham	Watnall H	9	390	1023·4	–	58·5	4·5	12·3	74	4·7	4	4	7	10	5	0	0	0	0	0	0	7	10	10	2	1	0	0	0	4	20	6	1	4	11	2	3	0	2	3
		15	390	1021·8	–	67·9	11·0	10·9	49	5·1	2	6	6	10	6	0	0	0	0	0	0	0	1	8	8	11	2	0	0	8	21	1	1	1	10	7	3	2	3	2
		21	390	1022·6	–	56·2	4·0	11·5	76	3·9	10	3	5	7	5	0	0	0	0	0	0	2	2	17	6	3	0	0	0	0	24	6	0	3	15	2	0	1	2	0
		3	46	1023·2	–	50·9	1·5	11·5	90	4·3	7	6	2	7	4	4	1	1	2	1	7	8	6	2	2	0	0	0	0	1	19	10	8	0	0	0	4	2	0	1
	Finningley H	9	46	1023·8	–	58·6	4·1	12·7	75	5·1	2	5	6	12	4	1	0	0	1	0	0	4	7	11	4	3	0	0	0	5	23	2	9	4	2	3	4	3	1	3
		15	46	1022·4	–	68·6	11·0	11·3	49	4·9	2	6	6	10	6	0	0	0	0	0	0	0	9	11	7	3	0	0	0	14	16	0	5	6	8	4	2	2	3	3
		21	46	1023·2	–	56·3	3·8	12·0	77	3·6	8	5	6	6	5	0	0	0	0	0	0	1	5	11	11	2	0	0	0	0	26	4	7	4	5	2	3	3	0	0
		9	109	1023·5	–	58·0	3·5	13·0	79	4·4	5	6	3	14	2	0	0	0	0	0	0	3	5	13	7	2	0	0	0	9	18	3	5	11	1	3	3	2	1	1
	Langar H	15	109	1022·0	–	68·1	10·6	11·7	51	4·7	1	8	7	10	4	0	0	0	0	0	0	0	1	18	6	5	0	0	0	18	12	0	1	11	4	5	3	0	2	1
		21	109	1022·9	–	56·8	3·8	12·1	77	3·7	8	6	4	7	5	0	0	0	0	0	0	0	0	13	11	6	0	0	0	5	21	4	1	12	5	2	3	0	2	1
		3	219	1022·8	–	51·8	1·6	11·9	90	3·1	11	6	3	4	6	0	0	0	0	0	0	1	6	17	5	1	0	0	0	2	23	5	14	3	1	0	2	2	1	0
Northampton	Wittering H	9	219	1023·2	–	58·7	4·0	13·0	77	5·6	2	4	3	15	4	2	0	1	0	0	0	1	15	7	4	0	0	0	0	10	16	4	5	12	1	2	2	2	2	0
		15	219	1021·8	–	67·7	10·2	11·9	52	5·4	2	3	6	14	5	0	0	0	0	0	0	0	5	18	6	1	0	0	0	19	11	0	1	12	5	2	4	2	3	1
		21	219	1022·7	–	56·8	3·5	12·6	79	4·2	8	3	4	10	5	0	0	0	0	0	0	0	1	18	10	1	0	0	0	2	26	2	5	10	5	1	2	0	3	2

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1959

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																	
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)								DIRECTION											
																													Beaufort Force																	
																													8 or more	6, 7	4, 5	1 to 3	Calm													
																													Speed in knots																	
																													34 or more	22 to 33	11 to 21	1 to 10	0													
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%	Mean Amount	0	1 2	3 to 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.	3–6 mi.	7–12 mi.	13–24 mi.	25 mi. or over								N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
4 MIDLAND COUNTIES—*cont.*																																															
Warwick	Birmingham	H	9	542	1023·3	+7·0	56·9	3·8	12·2	78	4·2	7	5	3	9	6	0		0	0	0	1	5	6	13	5	0	0		0	0	3	24	3		6	8	4	2	1	4	1	1
			15	542	1021·7	–	66·9	10·7	10·7	49	4·0	6	7	5	6	6	0		0	0	0	0	0	1	6	16	7	1		0	0	4	26	0		3	8	8	2	0	4	3	2
			21	542	1022·5	–	58·8	5·4	11·5	68	3·1	15	2	1	7	5	0		0	0	0	1	2	0	19	7	1	0		0	0	1	28	1		3	7	8	2	1	4	1	3
			3	362	1023·0	–	49·7	1·1	11·3	91	3·5	13	1	3	7	6	0		0	0	0	2	2	9	9	5	3	0		0	0	1	15	14		5	4	2	0	2	2	0	1
			9	362	1023·4	–	57·6	3·5	12·8	79	4·9	4	3	7	14	2	0		0	0	0	0	2	11	12	5	0	0		0	0	6	17	7		4	9	4	1	2	2	0	1
	Elmdon ..	H	15	362	1021·7	–	68·2	11·1	11·0	48	4·3	3	8	4	14	1	0		0	0	0	0	0	1	4	17	7	1		0	0	10	20	0		1	10	8	2	2	3	2	2
			21	362	1022·7	–	56·1	4·1	11·6	74	3·6	8	8	1	8	5	0		0	0	0	0	0	1	8	9	12	0	0		0	0	0	27	3		0	11	6	2	1	3	1	3
			3	242	1022·8	–	49·8	1·4	11·0	89	4·3	9	4	1	8	7	1		0	1	0	2	0	5	8	11	2	1		0	0	1	11	18		0	2	5	0	2	0	2	1
			9	242	1023·3	–	55·8	3·2	12·2	80	5·1	3	5	4	10	8	0		0	0	0	0	1	4	13	7	4	1		0	0	2	20	8		1	4	10	2	3	0	2	0
Shropshire	Shawbury ..	H	15	242	1021·5	–	68·0	10·6	11·6	51	4·5	4	6	3	14	3	0		0	0	0	0	0	1	6	12	7	4		0	0	8	22	0		3	1	13	3	4	1	3	2
			21	242	1022·5	–	55·8	3·8	11·7	76	3·4	5	13	1	8	3	0		0	0	0	0	0	3	9	12	4	2		0	0	1	20	9		3	7	5	0	1	1	2	2
			3	112	1022·5	–	51·0	1·6	11·4	89	3·1	10	8	2	5	5	0		0	0	0	0	1	3	14	5	6	1		0	0	2	13	15		1	8	2	1	1	1	1	0
			9	112	1023·3	–	57·7	3·7	12·6	77	4·1	4	9	3	13	1	0		0	0	0	0	0	4	14	6	5	1		0	0	3	19	8		1	8	8	2	0	2	0	1
Worcester	Pershore ..	H	15	112	1021·4	–	69·9	11·6	11·5	47	4·0	4	6	10	9	1	0		0	0	0	0	0	0	3	10	10	7		0	0	8	19	3		2	8	7	3	1	4	0	2
			21	112	1022·2	–	57·6	4·4	11·8	72	3·2	5	12	4	7	2	0		0	0	0	0	0	0	5	15	9	1		0	0	3	16	11		1	7	7	2	0	1	0	1
			9	226	1022·9	+6·6	55·8	3·4	11·9	78	4·1	4	11	0	10	5	0		0	0	0	0	1	4	14	4	7	0		0	0	0	30	0		4	12	2	0	0	1	5	6
Hereford	Ross-on-Wye	H	15	226	1020·8	–	69·0	11·7	11·0	46	4·0	5	6	5	12	2	0		0	0	0	0	0	0	6	5	18	1		0	0	3	27	0		3	9	8	0	1	6	2	1
			21	226	1022·0	–	56·9	4·0	11·9	75	2·6	6	14	2	6	2	0		0	0	0	0	0	3	17	4	6	0		0	0	1	21	8		1	7	8	1	1	3	1	0
			3	197	1022·2	–	52·0	1·9	11·7	88	2·2	16	4	3	6	1	0		0	0	1	0	1	4	12	9	3	0		0	0	1	18	11		3	13	0	0	1	2	0	0
			9	197	1022·8	–	58·4	4·2	12·6	76	3·5	6	7	8	4	5	0		0	0	0	0	2	5	11	8	3	1		0	0	5	23	2		6	13	8	0	0	1	0	0
Gloucester	Bristol (Filton)	H	15	197	1021·1	–	69·8	11·6	11·5	47	3·6	5	4	13	8	0	0		0	0	0	0	0	0	2	14	12	2		0	0	11	19	0		5	5	9	3	1	1	4	2
			21	197	1021·9	–	58·5	4·8	12·1	72	1·5	15	9	2	3	1	0		0	0	0	0	1	3	11	12	3	0		0	0	2	22	6		3	12	3	1	2	0	3	0
			3	751	1022·4	–	53·3	1·9	12·1	88	3·2	13	4	2	6	5	0		0	0	0	0	1	3	14	8	4	0		0	0	1	25	4		2	14	5	1	0	2	2	0
	Little Rissington	H	9	751	1022·8	–	56·8	3·1	12·7	80	3·9	5	8	5	10	2	0		0	0	0	0	1	2	13	7	7	0		0	0	5	25	0		5	13	5	1	2	1	3	0
			15	751	1021·0	–	67·1	9·4	12·3	55	3·8	4	7	9	10	0	0		0	0	0	0	0	0	4	10	12	4		0	0	10	18	2		3	4	12	2	2	2	1	1
			21	751	1022·1	–	58·4	4·7	12·1	73	2·6	13	5	3	8	1	0		0	0	0	0	0	0	9	16	3	2		0	0	3	22	5		2	13	6	0	1	1	1	1
5 ENGLAND, S.E.																																														
Middlesex	London Airport	H	3	86	1021·8	–	53·3	1·8	12·3	88	3·1	12	6	1	8	3	0		0	0	0	0	1	8	11	7	3	0		0	0	0	25	5		12	9	1	0	0	1	1	1
			9	86	1022·4	–	60·5	4·5	13·3	74	3·7	7	6	5	8	4	0		0	0	0	0	2	8	8	10	2	0		0	0	6	20	4		3	14	2	2	1	2	1	1
			15	86	1020·7	–	71·4	12·1	11·8	46	3·9	2	9	10	9	0	0		0	0	0	0	0	0	4	13	13	0		0	0	11	19	0		2	5	13	3	1	2	1	3
			21	86	1021·9	–	61·1	5·6	12·6	68	2·6	12	5	6	7	0	0		0	0	0	0	1	6	9	7	4	0		0	0	3	24	3		2	13	7	1	3	1	0	0
			9	34	1022·4	+5·6	60·8	5·2	12·7	70	3·9	7	5	6	8	4	0		0	0	0	0	4	7	9	8	1	1		0	0	3	24	3		4	12	3	1	3	2	0	2
Surrey	Kew Observatory	H	15	34	1020·7	–	70·1	12·4	10·6	43	4·5	3	5	8	14	0	0		0	0	0	0	0	0	0	9	12	7	2		0	0	8	22	0		4	13	7	1	0	4	0	1
			21	34	1021·9	–	60·3	5·3	12·3	70	2·7	10	7	6	7	0	0		0	0	0	0	0	0	0	11	13	6	0		0	0	1	27	2		3	13	8	0	3	1	0	0
			3	195	1021·5	–	49·1	1·0	11·2	93	2·7	17	2	2	3	5	1		0	2	0	1	2	10	9	5	1	0		0	0	0	11	19		0	8	1	0	0	1	0	1
	Gatwick ..	H	9	195	1021·7	–	60·8	4·4	13·7	75	3·8	6	6	7	7	4	0		0	0	0	0	0	9	9	11	1	0		0	0	2	21	7		2	11	9	0	0	0	1	0
			15	195	1020·3	–	71·8	12·3	12·0	45	3·5	1	14	5	10	0	0		0	0	0	0	0	0	1	15	13	1	0		0	0	12	17	1		3	5	15	1	1	2	2	0
			21	195	1021·5	–	56·2	3·3	12·3	80	2·6	10	8	5	6	1	0		0	0	0	0	0	0	0	17	12	1	0		0	0	0	19	11		1	11	4	0	1	2	0	0
			3	309	1021·5	–	54·7	1·4	13·3	91	3·8	8	7	3	4	6	2		0	1	1	2	1	3	9	8	5	0		0	0	7	13	10		15	3	0	1	0	0	1	0
			9	309	1022·0	–	60·9	3·8	14·3	79	4·0	5	6	7	9	2	1		0	2	0	2	1	2	8	11	4	0		0	0	9	16	5		11	11	1	1	0	0	1	0
Kent	West Malling	H	15	309	1020·8	–	68·9	9·8	12·8	54	3·6	2	10	9	9	0	0		0	0	0	0	0	0	3	12	12	3	0		1	19	10	0		4	16	5	1	3	1	0	1
			21	309	1021·7	–	57·0	2·6	13·3	84	2·8	7	8	9	6	0	0		0	0	0	0	0	0	11	14	5	0	0		0	0	10	16	4		6	11	3	2	1	2	0	1
			3	35	1021·2	–	54·3	1·8	12·7	88	2·0	15	2	9	3	1	0		0	0	0	0	0	0	4	23	3	0	0		0	0	1	27	2		13	11	2	0	0	0	1	1
			9	35	1021·7	–	62·7	4·8	14·3	74	3·0	9	9	2	8	2	0		0	0	0	0	0	0	7	20	2	1	0		0	0	4	24	2		5	14	7	1	0	0	1	0
Sussex	Thorney Island	H	15	35	1020·6	–	70·6	9·7	14·0	55	3·6	2	9	9	10	0	0		0	0	0	0	0	0	3	13	12	2	0		0	0	4	26	0		1	7	8	3	9	0	1	1
			21	35	1021·4	–	58·0	3·4	13·1	80	2·0	10	10	8	2	0	0		0	0	0	0	0	0	4	21	5	0	0		0	0	1	23	6		5	12	6	0	0	0	1	0
			9	20	1021·8	–	63·9	5·5	14·1	70	3·6	5	4	13	7	1	0		0	0	0	0	0	0	20	10	0	0	0		0	0	3	21	6		6	2	12	1	0	1	1	0
	Eastbourne (Coastguard)	H	15	20	1020·8	–	68·9	8·3	14·5	59	3·8	5	2	15	8	0	0		0	0	0	0	0	0	18	12	0	0	0		0	0	9	15	6		1	0	18	2	1	0	2	0
			21	20	1021·4	–	59·9	4·1	13·5	77	2·2	13	4	8	5	0	0		0	0	0	0	0	0	17	13	0	0	0		0	0	5	12	13		3	6	7	0	0	1	0	0
			3	234	1022·3	–	51·2	1·4	11·7	90	3·1	16	0	3	6	5	0		0	0	0	0	1	5	14	10	0	0	0		0	0	0	15	15		5	7	1	0	1	0	0	1
			9	234	1022·7	–	58·0	3·5	13·0	79	4·9	2	7	5	10	6	0		0	0	0	0	1	0	6	11	8	4	0		0	0	0	20	10		1	12	3	1	0	1	0	2
Berkshire	Abingdon ..	H	15	234	1020·9	–	71·5	11·8	12·5	48	4·3	1	8	10	11	0	0		0	0	0	0	0	0	3	11	16	0	0		0	0	1	25	4		1	12	5	3	2	1	0	2
			21	234	1021·9	–	58·6	4·2	12·6	75	3·1	13	3	3	6	5	0		0	0	0	0	0	1	11	17	1	0	0		0	0	1	18	11		3	12	2	0	1	1	0	0
			3	231	1022·0	–	51·1	1·7	11·5	88	3·1	14	2	4	3	7	0		0	0	1	1	4	4	11	7	2	0	0		0	0	18	12	2		8	4	0	0	1	0	3	0
Hampshire	S. Farnborough	H	9	231	1022·4	+5·6	58·5	3·2	13·7	82	4·6	3	5	6	12	4	0		0	0	0	2	1	6	7	3	11	0	0		0	0	24	6		1	5	12	2	2	0	1	1
			15	231	1020·6	–	71·0	11·0	12·6	49	3·9	1	9	10	10	0	0		0	0	0	0	0	0	4	5	12	9	0		0	0	2	28	0		3	1	15	4	4	2	0	1
			21	231	1021·9	–	58·9	4·5	12·7	74	2·2	13	8	2	7	0	0		0	0	0	0	0	2	18	8	2	0	0		0	0	24	6	0		3	3	16	1	1	3	0	0
			3	344	1021·9	–	52·1	1·4	12·1	90	3·1	12	5	3	4	6	0		0	1	0	1	3	5	10	7	3	0	0		0	0	21	9	9		9	6	2	0	1	1	1	1
			9	344	1022·4	–	58·7	3·9	13·1	77	4·5	1	8	7	10	4	0		0	0	1	0	1	5	7	9	4	3	0		0	7	22	1		7	12	5	2	1	0	1	1
	Blackbushe	H	15	344	1020·6	–	70·9	12·4	11·4	44	3·7	0	12	10	8	0	0		0	0	0	0	0	0	2	8	15	5	0		0	0	11	19	0		3	11	8	1	4	1	1	1
			21	344	1021·8	–	59·0	5·2	12·1	70	3·1	8	8	5	7	2	0		0	0	0	0	0	0	11	15	4	0	0		0	0	3	22	5		2	9	8	0	4	1	0	1
			3	458	1022·1	–	52·1	2·0	11·5	87	3·4	15	0	3	6	5	1		0	0	0	3	0	4	9	11	2	1	0		0	0	1	26	3		2	14	6	0	2	2	0	1
			9	458	1022·5	–	57·3	3·4	12·7	80	3·9	6	7	5	7	5	0		0	0	0	1	0	3	10	11	3	2	0		0	0	9	17	4		1	13	8	1	2	0	1	0
Wiltshire	Lyneham	H	15	458	1020·9	–	68·4	11·4	10·9	47	3·7	4	7	10	8	1	0		0	0	0	0	0	0	3	12	11	4	0		0	0	11	16	3		4	3	15	1	1	2	0	1
			21	458	1021·7	–	59·5	5·7	11·7	68	2·8	10	6	7	5	2	0		0	0	0	0	0	0	1	5	19	5	0		0	0	4	24	2		2	11	7	1	2	4	0	1
			9	582	1022·0	–	59·1	4·0	13·0	77	3·6	5	9	5	8	3	0		0	0	0	0	0	3	13	7	7	0	0		0	0	12	18	0		6	11	8	2	2	0	1	0
	Upavon ..	H	15	582	1020·3	–	69·6	10·8	12·2	50	3·8	3	7	13	7	0	0		0	0	0	0	0	0	0	5	15	9	1		0	0	10	19	1		3	10	8	2	4	1	0	1
			21	582	1021·5	–	58·4	4·9	11·8	71	2·0	11	11	4	1	3	0		0	0	0	0	0	0	0	12	14	3	1		0	0	6	18	6		3	12	7	1	0	0	1	0
			3	419	1022·0	–	52·8	2·2	11·8	86	2·1	16	5	3	3	3	0		0	0	0	0	0	0	4	15	10	1	0		0	0	5	14	11		3	10	3	0	0	1	2	0
			9	419	1022·4	–	59·3	4·2	13·1	76	3·6	5	11	3	8	3	0		0	0	0	0	0	0	4	11	11	4	0		0	0	10	18	2		5	6	12	1	1	0	2	1
	Boscombe Down	H	15	419	1020·7	–	70·5	12·6	11·9	47	3·8	1	11	8	10	0	0		0	0	0	0	0	0	0	2	21	5	2		0	0	10	20	0		1	8	10	4	3	1	1	2
			21	419	1021·8	–	59·2	5·2	12·1	70	3·3	13	8	4	2	3	0		0	0	0	0	0	0	0	17	10	3	0		0	0	2	20	8		2	8	8	0	1	2	0	1
7a ENGLAND, N.W.																																														
Cumberland	Silloth	H	3	27	1022·8	–	49·8	1·0	11·4	92	4·0	7	5	5	7	4	2		0	0	0	2	2	5	6	6	7	2	0		0	0	6	19	5		0	8	8	0	5	1	3	0
			9	27	1023·2	–	55·2	2·3	12·4	84	4·7	3	7	4	12	3	1		0	0	0	1	1	5	11	4	6	2	0		0	0	5	23	2		0	15	5	0	3	2	2	1
			15	27	1022·2	–	63·7	6·8	12·8	65	4·8	1	8	7	6	8	0		0	0	0	0	0	1	7	12	7	3	0		0	0	8	21	1		2	5	0	1	3	6	6	6
			21	27	1022·5	–	54·5	2·2	12·5	85	3·9	5	9	4	6	6	0		0	0	0	1	4	5	7	4	7	2	0		0	0	5	14	11		0	6	3	0	6	3	1	0
			3	35	1022·5	–	50·3	1·8	11·0	88	4·0	10	1	6	10	3	0		0	1	0	0	2	7	10	5	4	1	0		0	0	3	20	7		0	2	13	4	0	1	1	2
			9	35	1023·0	–	59·6	4·6	12·7	73	4·3	8	1	8	8	5	0		0	0	0	0	2	9	11	4	3	1	0		0	0	3	26	1		1	2	12	10	2	0	2	0
Lancashire	Squires Gate	H	15	35	1021·9	–	66·9	8·8	12·7	57	4·5	2	9	5	10	4	0		0	0	0	0	0	2	7	14	3	4	0		0	0	5	24	1		1	1	7	3	1	2	7	7
			21	35	1022·3	–	56·2	3·3	12·2	79	3·7	6	7	7	7	3	0		0	0	0	0	0	4	15	6	2	3	0		0	0	1	21	8		2	3	10	0	2	1	3	1
			3	85	1022·5	–	53·7	2·1	12·2	86	4·7	8	2	3	9	6	2		0	2	0	1	4	6	10	5	2	0	0		0	0	1	22	7		0	2	11	2	5	1	1	1
	Speke ..	H	9	85	1023·1	–	57·7	3·9	12·5	76	4·3	6	5	4	12	3	0		0	0	0	0	0	1	10	16	2	1	0		0	0	8	21	1		2	3	3	7	4	4	1	5
			15	85	1021·7	–	67·8	9·9	12·1	53	4·6	3	6	6	10	5	0		0	0	0	0	0	1	10	16	2	1	0		0	0	8	21	1		2	3	3	7	4	4	1	5
			21	85	1022·2	–	59·1	4·6	12·5	73	3·0	13	3	5	6	3	0		0	0	0	0	4	6	16	4	0	0	0		0	0	5	22	3		3	6	9	1	2	2	3	1

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
7a ENGLAND, N.W.—*cont.*															
	3	251	1022·7	–	52·8	2·7	11·3	82	3·8	10	3	4	8	5	0
Cheshire Manchester Airport H	9	251	1023·1	–	58·8	5·1	12·0	71	4·1	4	7	5	10	4	0
	15	251	1021·7	–	68·1	11·4	10·8	48	4·7	1	6	9	11	3	0
	21	251	1022·4	–	57·9	5·1	11·4	70	3·4	9	7	4	4	6	0
7b NORTH WALES															
	3	29	1021·3	–	53·8	2·3	12·1	84	2·7	16	2	3	3	5	1
Anglesey Holyhead .. (Valley) H	9	29	1022·3	+7·2	61·4	4·7	13·7	73	4·3	6	2	9	12	1	0
	15	29	1021·7	–	65·9	8·0	13·1	61	4·6	5	5	4	13	3	0
	21	29	1021·9	–	56·8	2·7	13·2	83	3·6	10	2	8	7	3	0
8a SOUTH WALES															
	3	379	1021·6	–	55·3	3·8	11·5	77	2·5	14	6	1	6	3	0
Cardigan Aberporth .. H	9	379	1022·0	–	60·8	6·1	12·0	66	3·4	7	9	4	7	3	0
	15	379	1021·0	–	65·2	7·8	12·7	60	3·9	4	7	6	11	2	0
	21	379	1021·5	–	57·8	4·0	12·6	76	3·0	11	6	3	7	3	0
	3	123	1021·5	–	58·2	4·2	12·5	75	2·6	15	3	4	3	5	0
Glamorgan Mumbles Head H	9	123	1022·1	–	61·0	5·4	12·8	70	3·9	5	6	10	4	5	0
	15	123	1021·2	–	–	–	–	–	4·1	4	6	10	6	4	0
	21	123	1021·4	–	61·2	5·3	13·1	70	2·8	9	9	4	5	3	0
	3	225	1021·9	–	53·8	2·6	11·8	84	2·1	16	4	4	3	3	0
Rhoose .. H	9	225	1022·5	–	59·3	4·7	12·6	74	3·7	3	11	5	10	1	0
	15	225	1021·0	–	69·0	11·0	11·6	49	3·6	3	9	9	7	2	0
	21	225	1021·8	–	57·6	4·1	12·3	76	1·9	14	7	5	3	1	0
8b ENGLAND, S.W.															
	3	35	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset Portland Bill H	9	35	1020·7	–	61·9	4·2	14·5	77	3·0	10	7	3	9	1	0
	15	35	1020·2	–	67·5	6·4	15·7	68	2·7	7	8	11	3	1	0
	21	35	1020·4	–	62·9	4·4	14·3	76	1·6	18	6	2	2	2	0
	3	305	1020·7	–	58·3	4·4	12·3	74	2·1	13	9	1	5	2	0
Devon Hartland Pt. H	9	305	1021·0	–	60·3	4·5	13·2	74	3·4	4	10	8	8	0	0
	15	305	1020·2	–	65·0	6·4	14·1	67	3·4	2	13	6	9	0	0
	21	305	1020·6	–	61·2	5·0	13·3	72	2·0	11	12	3	3	1	0
	3	100	1020·8	–	55·1	2·5	12·5	84	1·7	17	3	7	2	1	0
Plymouth (Mount Batten) H	9	100	1021·1	+4·1	61·7	4·9	13·6	73	3·0	4	11	10	5	0	0
	15	100	1020·3	–	68·6	9·1	13·2	56	2·9	2	17	4	6	1	0
	21	100	1020·9	–	59·4	3·7	13·5	78	1·4	16	10	1	1	2	0
	3	23	1021·4	–	53·0	1·2	12·7	92	1·9	16	6	2	4	2	0
Chivenor .. H	9	23	1021·8	–	61·0	3·5	14·7	81	3·7	7	5	7	10	1	0
	15	23	1020·6	–	71·1	8·1	16·2	63	3·9	1	10	8	11	0	0
	21	23	1021·3	–	59·2	2·2	14·9	86	2·8	6	12	6	4	2	0
	3	125	1021·5	–	51·0	1·3	11·7	91	2·1	18	3	1	6	2	0
Exeter .. H	9	125	1021·9	–	57·9	3·5	13·0	80	3·1	4	11	6	8	1	0
	15	125	1020·5	–	69·7	9·9	13·3	54	3·4	2	10	9	9	0	0
	21	125	1021·4	–	56·9	2·9	13·1	83	2·0	16	4	4	5	1	0
	3	199	1020·5	–	61·9	5·3	14·9	88	2·5	14	2	8	4	2	0
Cornwall St.Mary's, Scilly H	9	199	1020·9	+3·9	62·9	3·8	15·4	78	3·8	5	7	8	5	5	0
	15	199	1020·6	–	67·6	6·6	15·4	67	3·2	6	8	9	4	3	0
	21	199	1020·8	–	59·3	2·3	14·8	86	2·2	11	8	6	4	1	0
	3	350	1020·9	–	55·3	2·7	12·6	84	1·8	17	3	6	3	1	0
St. Mawgan H	9	350	1021·2	–	61·8	5·0	13·7	73	2·9	5	11	8	5	1	0
	15	350	1020·4	–	67·6	8·0	14·0	61	3·3	2	12	10	5	1	0
	21	350	1021·1	–	58·2	3·1	13·6	85	2·1	14	8	2	4	2	0
NORTHERN IRELAND															
	3	13	1021·4	–	51·6	1·9	11·5	87	3·9	10	3	3	9	5	0
Londonderry Ballykelly H	9	13	1021·4	–	56·9	3·1	12·8	80	5·3	3	4	3	13	6	1
	15	13	1020·5	–	63·7	6·3	13·4	67	5·1	0	7	6	13	4	0
	21	13	1020·9	–	55·3	3·0	12·2	81	4·0	7	6	3	7	7	0
	3	220	1021·9	–	50·7	1·4	11·6	91	3·6	10	6	2	4	8	0
Antrim Aldergrove H	9	220	1022·2	+7·9	56·2	2·3	13·4	86	5·6	3	4	2	11	10	0
	15	220	1021·3	–	63·8	6·6	13·3	65	5·4	0	7	4	13	6	0
	21	220	1021·7	–	54·7	2·5	12·4	84	4·2	8	5	2	6	9	0
	3	356	1022·0	–	51·6	1·4	11·9	90	3·6	12	4	2	3	9	0
Nutts Corner H	9	356	1022·3	–	56·2	2·4	13·1	84	5·6	2	6	1	10	11	0
	15	356	1021·3	–	63·6	6·7	13·0	65	5·2	0	7	5	13	5	0
	21	356	1021·8	–	54·9	2·8	12·2	83	4·1	7	7	1	7	8	0

DISTRICT, COUNTY AND PLACE	VISIBILITY: Number of Observations 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
7a ENGLAND, N.W.—*cont.*																											
	0	0	0	0	0	5	22	3	0	0	0	0	1	27	2	0	6	11	3	6	1	1	0
Cheshire Manchester Airport H	0	0	0	0	1	6	17	6	0	0	0	0	7	20	3	0	3	9	4	7	1	2	1
	0	0	0	0	0	1	10	13	6	0	0	0	10	20	0	1	1	9	6	4	3	2	4
	0	0	0	0	0	2	25	3	0	0	0	0	3	20	7	1	1	10	4	1	5	1	0
7b NORTH WALES																											
	0	1	0	1	1	2	13	6	4	2	0	0	4	23	3	1	6	11	2	2	2	0	3
Anglesey Holyhead .. (Valley) H	0	0	0	0	0	1	3	9	8	5	4	0	1	6	16	7	3	1	5	4	6	1	1	2
	0	0	0	0	0	2	7	11	6	4	0	0	12	15	3	3	3	3	0	3	5	6	4
	0	1	0	0	0	4	11	8	3	3	0	0	4	24	2	1	6	12	2	2	3	0	2
8a SOUTH WALES																											
	0	1	0	0	1	0	7	16	4	1	0	0	5	21	4	1	0	5	7	11	1	0	1
Cardigan Aberporth .. H	0	0	0	0	0	1	5	14	5	5	0	0	7	22	1	2	1	8	10	7	0	1	0
	0	0	0	0	0	0	4	14	7	5	0	0	8	22	0	7	8	5	2	4	1	2	1
	0	0	1	0	0	0	7	16	3	3	0	0	1	25	4	0	1	7	5	7	1	4	0
	0	0	0	0	0	0	11	18	1	0	0	0	14	16	0	11	9	7	0	0	1	1	1
Glamorgan Mumbles Head H	0	0	0	0	1	2	16	11	0	0	0	3	9	17	1	4	10	9	2	2	0	0	2
	0	0	0	0	0	0	14	11	4	1	0	1	10	15	4	0	1	8	6	2	6	1	2
	0	0	0	0	0	0	13	14	3	0	0	1	13	14	2	11	9	2	0	0	1	4	1
	0	0	0	0	1	0	10	13	6	0	0	0	5	24	1	2	18	6	1	0	0	0	2
Rhoose .. H	0	0	0	0	0	1	2	13	8	5	1	0	0	16	14	0	2	13	10	4	0	0	1	0
	0	0	0	0	0	0	4	11	10	5	0	0	13	17	0	1	8	12	3	1	1	3	1
	0	0	0	0	0	2	6	13	8	1	0	0	5	24	1	3	14	4	1	2	2	0	3
8b ENGLAND, S.W.																											
	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dorset Portland Bill H	0	0	0	0	0	4	7	17	2	0	0	2	15	13	0	0	10	16	1	1	1	0	1
	0	0	0	0	0	5	5	15	5	0	0	3	9	14	4	0	1	20	1	0	1	3	0
	0	0	0	0	0	0	14	10	6	0	0	3	7	17	3	8	5	11	0	1	0	2	0
	0	0	0	0	1	0	1	24	1	3	0	0	1	9	19	1	0	6	13	4	3	1	2
Devon Hartland Pt. H	0	0	0	0	0	0	3	18	7	2	0	0	11	18	1	2	10	10	3	3	1	0	2
	0	0	0	0	0	0	5	17	6	2	0	1	9	19	1	2	15	4	2	1	1	2	2
	0	0	0	0	0	1	21	6	2	0	0	1	9	17	3	1	9	7	5	2	1	1	1
	0	0	0	0	0	5	10	14	0	1	0	0	5	20	5	1	7	14	0	0	1	0	2
Plymouth (Mount Batten) H	0	0	0	0	0	3	10	8	8	1	0	0	14	13	3	2	7	12	0	0	1	3	2
	0	0	0	0	0	0	4	12	6	8	0	0	20	10	0	2	1	14	4	4	5	0	0
	0	0	0	0	0	2	12	13	2	1	0	0	2	26	2	5	13	7	0	0	2	0	1
	0	0	0	0	0	0	12	11	7	0	0	0	2	25	3	1	0	24	1	0	0	1	0
Chivenor .. H	0	0	0	0	0	0	13	4	7	6	0	0	7	21	2	1	0	22	3	1	0	0	1
	0	0	0	0	0	5	9	11	5	0	0	0	11	19	0	5	4	9	5	1	2	1	3
	0	0	0	0	0	0	7	14	9	0	0	0	3	17	10	1	3	12	2	1	0	1	0
	0	1	0	2	2	2	11	6	6	0	0	0	3	13	14	2	9	2	1	1	0	0	1
Exeter .. H	0	0	0	0	1	1	14	5	7	2	0	1	13	7	9	5	6	5	1	1	0	0	3
	0	0	0	0	0	0	5	7	11	7	0	0	15	14	1	3	3	7	10	4	0	1	1
	0	0	0	0	0	1	11	13	5	0	0	0	4	14	12	2	9	5	1	0	1	0	0
	0	0	0	0	0	0	11	8	8	3	0	0	14	13	3	3	9	11	2	2	0	0	0
Cornwall St.Mary's, Scilly H	0	0	0	1	0	2	11	7	7	2	0	0	14	14	2	1	3	16	2	4	1	0	1
	0	0	0	0	1	1	11	7	8	2	0	0	14	14	2	2	6	13	4	0	3	0	1
	0	0	0	0	0	0	12	9	7	2	0	0	5	23	2	4	8	8	4	2	0	1	1
	0	1	0	0	0	1	4	20	4	0	0	0	7	22	1	2	2	21	2	1	1	0	0
St. Mawgan H	0	0	0	0	0	0	7	11	10	2	0	0	12	18	0	3	2	19	4	2	0	0	0
	0	0	0	0	0	0	4	14	8	4	0	1	17	12	0	7	0	4	11	2	1	2	3
	0	0	0	0	0	0	11	15	3	1	0	0	6	23	1	2	6	16	1	1	2	1	0
NORTHERN IRELAND																											
	0	0	0	0	0	1	9	8	12	0	0	0	0	20	10	0	0	2	8	6	1	3	0
Londonderry Ballykelly H	0	1	0	0	0	0	5	13	7	4	0	0	2	16	12	0	0	3	3	8	1	3	0
	0	0	0	0	0	1	3	13	6	7	0	0	8	20	2	3	2	2	4	8	4	5	0
	0	0	0	0	0	2	7	12	7	2	0	0	2	20	8	1	1	2	6	9	2	1	0
	0	1	0	0	0	5	12	4	8	0	0	0	3	24	3	2	4	6	4	5	3	3	0
Antrim Aldergrove H	0	0	0	1	0	1	15	4	1	5	0	0	1	21	8	1	2	3	5	7	3	1	0
	0	0	0	0	0	1	11	7	5	6	0	0	10	18	2	1	1	4	8	5	5	3	1
	0	0	0	0	0	3	12	8	4	3	0	0	5	23	2	2	1	8	6	7	2	2	0
	0	0	0	0	1	2	14	7	4	2	0	0	4	18	8	2	0	7	3	7	1	2	0
Nutts Corner H	0	0	0	0	1	3	10	9	0	7	0	0	2	20	8	0	1	7	3	7	2	2	0
	0	0	0	0	0	1	7	12	3	7	0	0	9	21	0	2	1	4	8	5	8	3	1
	0	0	0	0	1	3	9	8	3	6	0	0	4	21	5	2	2	2	10	6	0	2	1

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, SEPTEMBER 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	459	3	54	25	253·4	30	217	1	54	25	154·2	30	515	3	79	25	292·4	30
Eskdalemuir	492	8	55	24	296·0	30	271	3	53	24	146·0	29	465	8	64	24	283·0	30
Cambridge	539	7	186	17	344·0	30	229	1	61	30	164·4	30	–	–	–	–	–	–
Kingsway	494	4	169	18	356·4	30	233	3	80	27	181·4	30	534	4	252	18	390·6	30
Kew	438	3	135	18	322·0	30	207	21	70	30	144·0	30	480	4	158	18	356·0	30
Aberporth	561	5	111	21	401·4	30	313	2	88	27	174·3	30	–	–	–	–	–	–

TABLE VIII—NUMBER OF DAYS IN SEPTEMBER 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	0	24	6	0	0	0	0	0	0	0	2	17	11	0
Stornoway	0	0	0	14	16	0	0	0	0	0	0	0	2	15	13	0
Craibstone	0	0	0	10	15	5	0	0	0	0	0	0	1	26	3	0
Rothesay	0	0	0	9	15	6	0	0	0	0	0	0	0	14	16	0
Renfrew	0	0	0	6	13	9	2	0	0	0	0	0	7	15	8	0
Eskdalemuir	0	0	0	11	10	9	0	0	0	0	0	1	11	15	3	0
Douglas	0	0	0	7	19	4	0	0	0	0	0	0	0	4	26	0
Cockle Park	0	0	0	7	12	11	0	0	0	0	0	0	8	21	1	0
Gorleston	0	0	0	0	25	5	0	0	0	0	0	0	0	5	16	9
Cambridge	0	0	0	0	10	14	6	0	0	0	0	0	3	18	9	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	0	2	15	10	3	0	0	0	0	0	1	5	24	0
Kew Observatory	0	0	0	0	11	15	4	0	0	0	0	0	0	8	21	1
Hastings	0	0	0	0	9	20	1	0	0	0	0	0	0	2	24	4
Southampton	0	0	0	0	2	20	8	0	0	0	0	0	1	15	14	0
Stonyhurst	0	0	0	6	12	12	0	0	0	0	0	0	2	12	16	0
Bidston Observatory	0	0	0	4	15	11	0	0	0	0	0	0	0	4	26	0
Holyhead (Valley)	0	0	0	0	18	11	1	0	0	0	0	0	1	14	15	0
Falmouth	0	0	0	0	19	11	0	0	0	0	0	0	0	5	23	2
Aldergrove	0	0	0	4	19	6	1	0	0	0	0	0	2	16	12	0
Armagh	0	0	0	3	19	5	3	0	0	0	0	0	5	15	10	0

TABLE IV—ADDITIONS AND CORRECTIONS

MONTH	STATION	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (OKTAS)								VISIBILITY									WIND. NUMBER OF OBSERVATIONS															
																											FORCE (0-12)								DIRECTION							
																											Beaufort Force															
																											8 or more	6, 7	4, 5	1 to 3	Calm											
																											Speed in knots															
																											34 or more	22 to 33	11 to 21	1 to 10	0											
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%	Mean Amount	0	1 2	3 to 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.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over									N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W
1946 March	Lerwick	15	272																																						0
1959 April	Gorleston	21	26							3·9		6	8																												
	Hartland Point	03	305							4·7																															
May	Turnhouse	21	114	1020·7																																					
June	Huddersfield (Oakes)	09	769							5·8		1	10																												
July	Shoeburyness	09	12																			1	10	10	9																

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

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Volume 76 Number 10 Published by HER MAJESTY'S STATIONERY OFFICE

October 1959—*Warm, sunny and mainly dry at first; changeable with gales later*

The warm sunny weather which had persisted with only a few breaks since the second week of May continued during the first week of October, but gradually broke up during the second and third weeks and the latter part of the month was generally changeable with strong to gale force winds at times and heavy rain in places.

The month opened with most of the country in the circulation of an anticyclone centred over the Balkans. The centre of highest pressure was transferred progressively northwards, being over the Norwegian Sea on the 10th, but throughout the period surface air reached the British Isles from a southerly point. This resulted in maximum temperatures exceeding 70°F. over a wide area during the first week and 80°F. at a number of places on the 3rd. However a cold front brought thundery rain to Cornwall on the 6th – 1·61 in. of rain fell at St. Mawgan in 24 hr. – while lighter rain further east ended a fortnight without measurable rain at Plymouth and Torquay.

A vigorous depression which had originated on the western Atlantic about a week earlier as a tropical storm, moved northwards to the west of Ireland on the 8th, and by the 9th a deep depression was centred near south Greenland with a marked trough extending to Spain. A shallow depression formed over our South-west Approaches and moved slowly north-eastwards into the Midlands of England on the 10th and filled up as a trough of low pressure moving from the Atlantic crossed most areas on the 11th and 12th. These disturbances brought some rain but it was mostly light. In parts of Yorkshire it was the first appreciable rain for nearly two months.

During the period 13th–16th the anticyclone was transferred south-eastwards again from the Norwegian Sea to the Balkans. Fine weather returned to most of the country on the 13th, afternoon temperatures reaching 70°F. locally, but there was fog at night which became widespread and dense in places on the 14th and persisted all day in parts of south-east England and the Midlands and throughout the 15th also in south Yorkshire.

The strong upper westerlies which had extended across most of the Atlantic in the middle latitudes during the previous two days penetrated further eastward on the 16th, and during the night of the 17th/18th a vigorous depression brought severe gales to southern England and rain to most districts as it moved rapidly from Cornwall to the Wash. A gust of 70 kt. was recorded at Culdrose and many places in the west had more than 1 in. of rain in 12 hr.

By the 19th a strong westerly upper flow extended in middle latitudes across the Atlantic from the Great Lakes to Europe and during the next week troughs of low pressure moved eastward across the British Isles. There were frequent showers with fair periods on the 19th, 20th and 25th and periods of more continuous rain on the 21st and 24th.

An intense depression which moved across northern Scotland on the night of the 26th/27th was preceded by exceptionally large falls of pressure, heavy rain and gale force winds. By noon on the 27th pressure at Kew had fallen 40 mb. in 12 hr. Behind the depression northerly winds reached storm force in Scotland; on the Berwickshire coast gusts were reported to have reached 90 kt. The 26th was the wettest day of the month over most of the country; many places had more than 1 in. of rain while some in north-west England and the Midlands had more than 2 in. in 24 hr.

During the last few days of the month weather was changeable with occasional rain or showers but with some sunny periods.

Pressure and Wind. Mean pressure at 9 h. ranged from 2·1 mb. above the 1921–50 average at Lerwick to 0·8 mb. below average at Holyhead. Winds were mainly between south and south-east during the first half of the month becoming predominantly between south-west and west from the 17th to 26th and then mainly north to north-west until the end of the month. Gales were reported on 13 days in Scotland and were widespread on the 26th–28th; in England and Wales they occurred on the 17th–19th, 21st and 26th–28th, being fairly widespread on the 17th and 27th. On the 27th gusts reached 83 kt. at Rannoch and Tiree and 79 kt. at Nutts Corner and Dover.

Temperature. Mean temperature exceeded the average by 4·3°F. in England and Wales and also in Northern Ireland, and by 4·5°F. in Scotland. Temperature rose to 83°F. at a number of places in the Midlands and south-east England on the 3rd, the highest October temperature recorded in Britain since 1921, when 84°F. was reached in the London area. During the last week of the month temperature in many places was below the average. On the 29th, the coldest day of the month, screen temperature fell to 25°F. locally in Scotland and to 23°F. and 26°F. at Moor House and Kielder Castle respectively.

Extreme temperatures included: (England and Wales) 83°F. at Rugby, Mickleham and Faversham on the 3rd, 23°F. at Moor House on the 29th; (Scotland) 77°F. at Falkirk on the 3rd, 25°F. at Grantown-on-Spey on the 7th and at Leadhills on the 29th; (Northern Ireland) 72°F. at Hillsborough and Ballykelly on the 4th, 33°F. at Parkmore Forest and Loughgall on the 29th.

Precipitation. The general precipitation expressed as a percentage of the 1916-50 average was 92 over England and Wales, 105 over Scotland and 122 over Northern Ireland. Less than 75 per cent. occurred in the Upper Thames Valley, over much of East Anglia and around the Wash, but more than 150 per cent. was recorded in eastern Cornwall, western Fermanagh and the southern part of Co. Down. A number of places in eastern England had no measurable rain from August 14 until October 9 or 10. For England and Wales the total general rainfall for the period May to October was the lowest for any such period since before 1870 and probably since 1750.

Among the heavy falls in 24 hr. or less were:—

17th 3·03 in. at Ramsey, Isle of Man.

26th 3·57 in. at Borrowdale and 3.10 in. at Thirlmere, both in Cumberland, 3·25 in. at Llangurig in Montgomeryshire.

Thunder was heard on 10 days in Scotland (18th-22nd and 24th-28th) and on 8 days (10th, 16th, 17th, 19th, 22nd and 26th–28th) in England and Wales. Thunderstorms were widespread in the Midlands on the 27th and in Wales and western districts of England on the 27th and 28th.

Sleet was widely reported in Scotland during the last week of the month and locally over high ground in northern England and North Wales on the 27th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 139 over England and Wales, 128 over Scotland and 115 over Northern Ireland. At Bolton and Manchester sunshine was 173 per cent. of the average and at Skegness 169 per cent. It was the sunniest October in England and Wales since comparable records began in 1909 and at Kew since 1880.

Fog. During the first 17 days of the month and on the 21st, 30th and 31st there was fog every day at one place or another in England and Wales and, except for the 6th, in Scotland as well. Fog also occurred on the 23rd and 26th in England and Wales and the 19th and 22nd in Scotland.

Miscellaneous Phenomena. The aurora was seen in Scotland on 15 nights.

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

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TABLE I—DISTRICT VALUES— OCTOBER, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	76	29	+4·3	+4·2	+4·3	—	—	110	−6	122
Eastern										
1 SCOTLAND, E.	76	25	+5·0	+3·9	+4·4	—	—	79	−6	126
2 ENGLAND, N.E.	80	26	+5·2	+2·5	+3·9	+2·9	+1·7	65	−2	131
3 ENGLAND, E.	82	27	+4·6	+2·9	+3·8	+3·1	+2·5	92	0	146
4 MIDLAND COUNTIES	83	28	+6·0	+2·9	+4·5	+2·5	+2·7	91	−2	139
5 ENGLAND, S.E.	83	28	+5·4	+2·9	+4·1	+2·3	+2·3	96	−1	150
Western										
6 SCOTLAND, W.	77	25	+5·3	+4·1	+4·7	+2·9	+2·9	101	−4	137
7 ENGLAND, N.W. (*and N. Wales*)	79	23	+6·7	+4·3	+5·5	+2·1	+2·3	104	−3	141
8 ENGLAND, S.W. (*and S. Wales*)	79	29	+4·4	+3·1	+3·8	+3·0	+2·5	106	−1	124
NORTHERN IRELAND	72	33	+4·5	+4·0	+4·3	—	—	—	−3	115

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER, 1959 [1914]

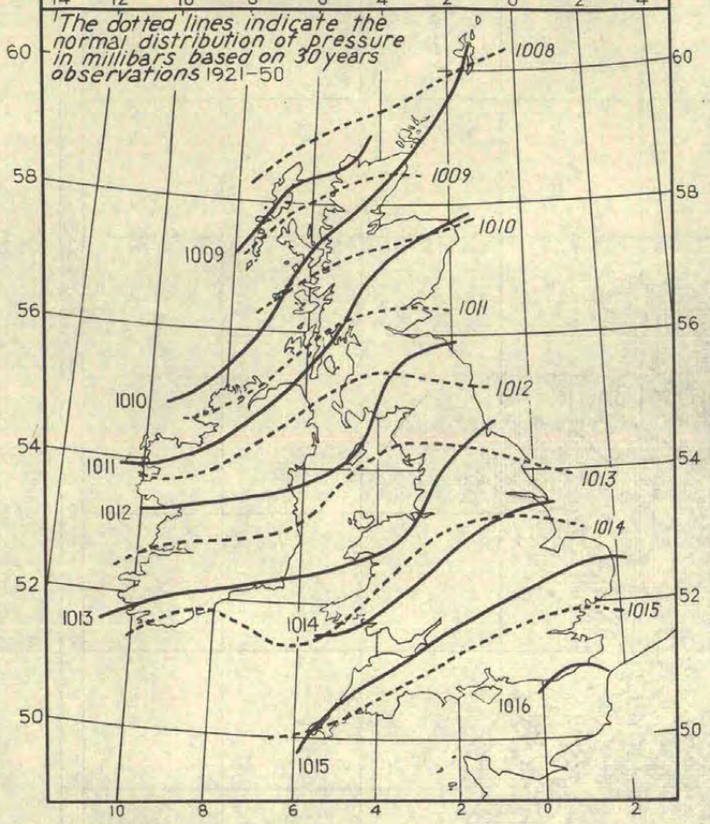
District, County and Place	Height of Vane			Distribution of Mean Hourly Values of Wind Speed								Mean Hourly Wind Speed	Highest Velocities						
				34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record		Highest Hourly Wind			Highest Gust			
	Above Mean Sea Level	Above Ground	Effective Height	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	23,27,28	38	14	112	420	143	31	0	16·5	010	50	27	23	73	28	0340
Orkney Grimsetter	135	51	33	27,28	35	12	47	450	190	22	0	14·6	020	46	27	06	80	27	2155
Caithness Dounreay	112	41	33	27,28	13	17	97	354	207	30	43	14·5	010	40	27	08	69	27	0600
Ross & Cromarty Stornoway (Coastguard)	120	40	36	23,27	17	13	69	371	205	82	0	13·1	030	45	27	05	77	27	1620
Inverness Benbecula	69	51	35	23,25,27,28	32	15	168	360	145	39	0	16·6	360	51	27	05	74	27	0450
1 Aberdeen Dyce	225	40	40	–	0	4	37	213	325	169	0	8·9	330	33	27	21	63	27	0900
Angus Bell Rock Lighthouse	128	131	124	17,18,19,25 ϕ	29	18	215	335	125	40	0	17·6	310	54	27	12	83	27	1045
Perth Rannoch	1006	56	57	/															
Fife Leuchars	75	42	40	–	0	3	7	200	299	238	0	7·4	340	27	27	11	51	27	1005
Midlothian Edinburgh	485	39	23	–	0	7	21	239	310	174	0	8·8	330	31	27	15	50	23	2000
6a Argyll Tiree	89	60	47	21,23,25,26 ‡	34	25	204	400	86	20	0	19·1	360	58	27	07	83	27	0620
Bute Millport	50	34	34	–	0	12	113	360	209	62	0	14·0	060	32	10	19	50	27	1610
Renfrew Paisley	188	81	31	–	0	1	1	152	430	161	0	7·5	330	22	27	10	54	27	0935
Renfrew	71	41	39	–	0	6	18	255	392	79	0	9·1	210	27	23	22	50	27	0030
Ayr Prestwick Airport	35	33	33	–	0	8	41	358	302	43	0	11·7	320	27	27	15	48	27	1440
Dumfries Eskdalemuir	825	50	35	–	0	5	23	153	299	269	0	6·9	220	28	23	18	54	27	1105
ENGLAND and WALES																			
6b Isle of Man Point of Ayre	70	40	35	27	9	17	135	394	192	14	0	15·3	350	40	27	11	65	27	0930
2 Durham Durham	399	53	33	–	0	5	27	199	380	130	8	8·8	330	33	27	15	56	27	1440
South Shields	73	57	44	–	0	3	20	211	322	191	0	8·2	310	33	27	15	53	27	1330
Yorks.,E.R. Spurn Head	64	44	34	/ –															
Lincoln Cranwell	288	47	47	–	0	4	17	192	249	286	0	7·4	330	28	28	13	45	27	1440
3 Norfolk Gorleston	52	42	34	*															
Suffolk Mildenhall	98	83	60	–	0	4	19	243	396	86	0	9·1	260	29	18	06	51	18	0450
Felixstowe	85	75	65	27	2	6	29	334	281	98	0	10·7	200	35	27	04	59	27	0700
Bedford Dunstable	567	55	33	–	0	2	6	160	438	140	0	7·2	340	30	18	04	47	18	0320
Cardington	285	150	135	26,27	6	5	25	211	276	226	0	8·4	200	37	27	03	58	18	0320
Herts. Stevenage	564	111	65	–	0	4	19	261	366	98	0	9·4	270	29	18	04	55	27	0625
Essex Coryton	66	57	48	–	0	4	18	195	427	89	15	9·0	240	28	18	04	55	27	0530
Shoeburyness	115	104	89	17,18,27	10	7	36	397	227	74	0	12·1	210	38	27	05	59	27	0330
4 Yorks.,W.R. Sheffield	533	83	35	/															
Leicester Leicester	266	66	45	**															
Warwick Birmingham	643	118	73	–	0	1	3	181	455	105	0	7·7	310	26	27	14	49	27	1450
Stafford Keele	706	50	40	–	0	1	3	100	410	231	0	6·3	320	24	27	14	53	27	0335
Gloucester Avonmouth	92	61	33	18,27	4	6	47	279	200	214	0	9·7	250	36	27	05	56	27	0455
5 London Kingsway	231	160	40	–	0	2	6	115	453	170	0	6·7	240	25	27	05	50	18	0310
Middlesex Hampton	139	101	100	–	0	3	15	135	440	154	0	7·4	270	30	18	03	61	27	0655
Surrey Kew Observatory	92	75	50	–	0	3	9	131	413	191	0	7·0	220	25	27	04	49	17	2210
Kent Isle of Grain	48	40	33	18	1	3	17	151	234	341	0	5·9	240	34	18	04	59	18	0310
Dungeness	70	50	33	/															
Dover	68	38	62	18,27	9	7	42	204	334	155	0	9·3	210	39	27	09	79	27	0845
Sussex Thorney Island	75	65	42	–	0	3	14	166	321	243	0	7·1	170	33	17	23	58	18	0030
Hants. Southampton (Eastleigh)	95	60	41	–	0	3	14	182	325	223	0	7·4	160	29	17	22	57	18	0150
S. Farnborough	318	69	35	–	0	2	8	91	338	307	0	5·5	270	29	18	02	54	18	0150
Berks. Abingdon	295	40	40	–	0	2	3	99	279	363	0	4·8	220	23	27	05	48	27	0555
Wiltshire Larkhill	491	51	36	–	0	3	13	193	469	69	0	8·6	270	31	18	02	59	18	0105
Porton	406	44	44	–	0	4	18	201	399	126	0	8·3	220	29	27	05	51	18	0055
7a Cumberland Sellafield	83	39	35	–	0	9	59	328	241	116	0	11·1	230	31	26	22	48	26	2130
Westmorland Moor House	1960	50	45	27	3	12	101	342	184	98	16	13·2	–	36	27	13	54	27	1240
Lancashire Southport	59	41	33	18,19,26,27	18	10	122	171	291	125	17	11·9	340	45	27	12	60	27	1150
Speke	180	100	65	–	0	11	61	302	295	86	0	11·4	340	31	27	13	62	27	1205
Cheshire Bidston Observatory	262	64	39	–	0	6	49	181	404	101	9	–	320	33	27	12	63	27	1145
Manchester Airport	318	70	30	–	0	7	18	347	356	23	0	11·2	200	25	18	23	60	18	0220
7b Anglesey Holyhead (Valley)	76	50	40	26,27,28	23	13	135	252	268	66	0	13·9	340	47	27	11	73	27	0955
8a Cardigan Aberporth	483	41	41	17,27,28	38	13	75	427	174	30	0	15·6	320	49	27	11	73	27	1050
Pembroke Kete	249	49	37	21,26,27,28	22	17	142	406	125	35	14	16·6	260	46	27	08	78	27	0925
Milford Haven	246	50	35	17,27	14	7	39	269	247	108	67	10·8	320	40	27	10	65	27	0910
Glamorgan Port Talbot	91	40	35	27	1	9	53	378	263	49	0	12·5	020	36	27	12	57	17	2315
8b Devon Plymouth	191	88	65	17	4	7	49	259	304	128	0	10·3	–	36	17	17	57	27	0950
Cornwall St. Mary's, Scilly	230	65	57	17,27	22	10	88	376	194	64	0	13·6	310	45	17	18	67	27	0540
The Lizard	315	75	60	17,26,27,28	28	13	121	355	133	107	0	14·3	290	46	27	06	79	17	1845
NORTHERN IRELAND																			
Londonderry Ballykelly	52	50	35	27	4	6	40	298	304	98	0	10·5	350	45	27	08	71	27	0625
Antrim Aldergrove	281	65	55	27	2	6	35	344	318	45	0	11·5	340	39	27	08	67	27	0810
Nutts Corner	344	31	31	–	–	–	–	–	–	–	–	–	350	45	27	09	79	27	0845
CHANNEL ISLES																			
Jersey Airport	359	86	50	17,18,27	17	10	87	335	279	26	0	13·7	250	48	17	22	67	17	2225

* Anemograph dismantled for re-erection.
** Anemograph out of order.
/ Defective record.
‡ Also on 27th,28th.
ϕ Also on 27th,28th.

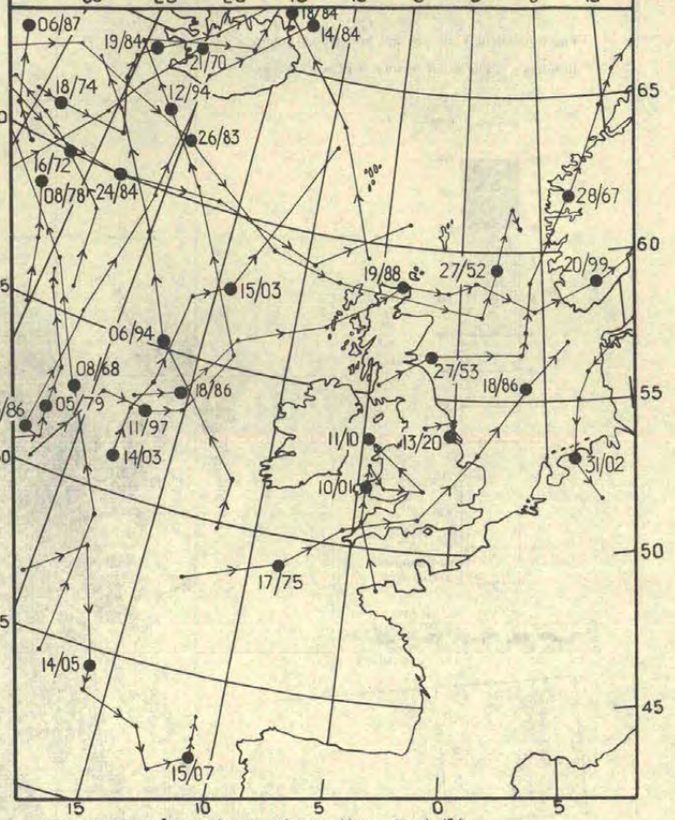
MONTHLY WEATHER CHARTS OCTOBER 1959

1. MEAN PRESSURE 9A.M.

The dotted lines indicate the normal distribution of pressure in millibars based on 30 years observations 1921–50



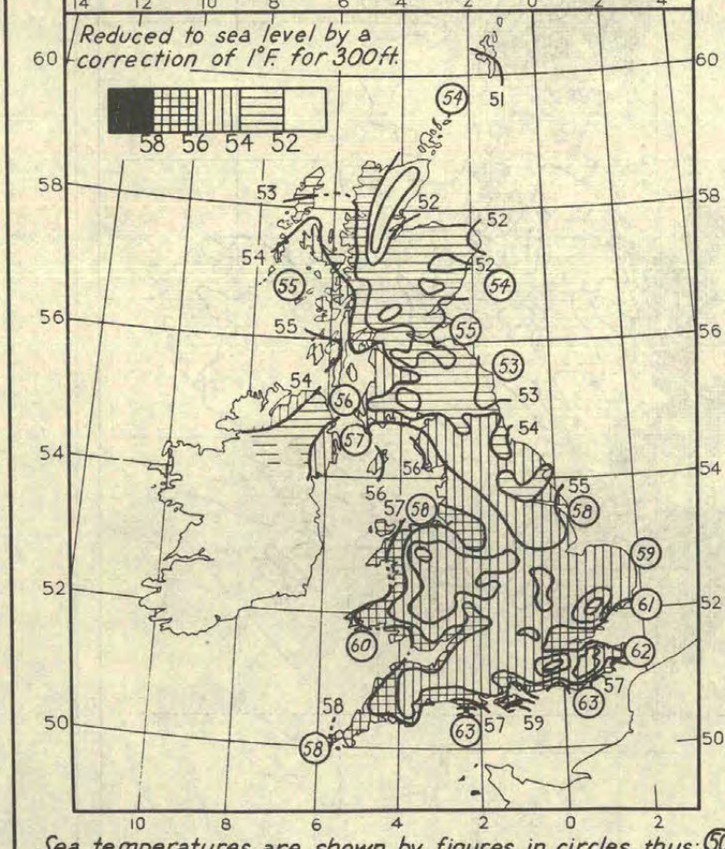
2. MOVEMENTS OF DEPRESSIONS



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

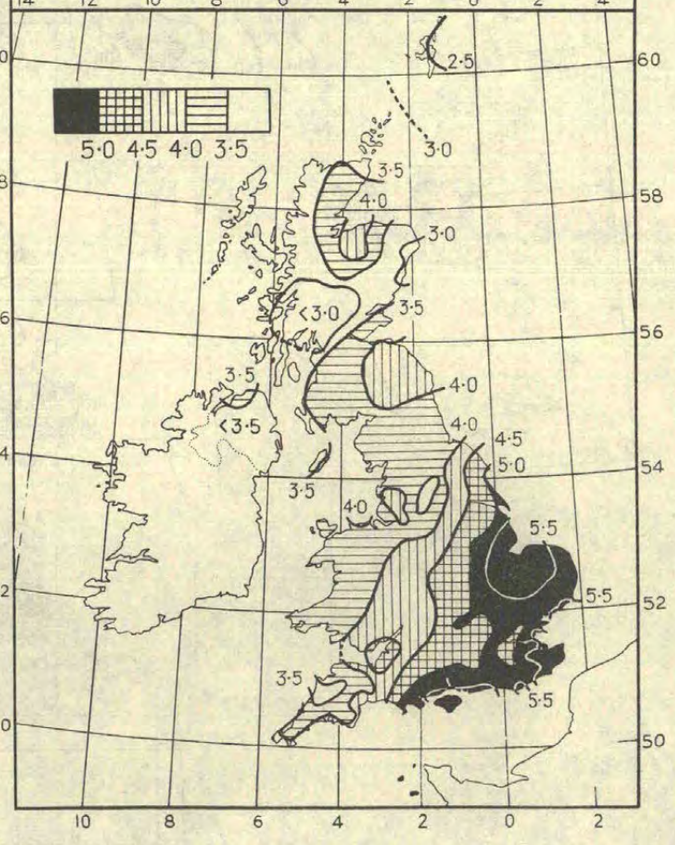
3. DISTRIBUTION OF MEAN TEMPERATURE

Reduced to sea level by a correction of 1°F. for 300ft.



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY



A.M. Form 1483

C.B.H. 26456-WL 44536-Dd.B.K. 2328-175-9/55

RAINFALL
OCTOBER 1959

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

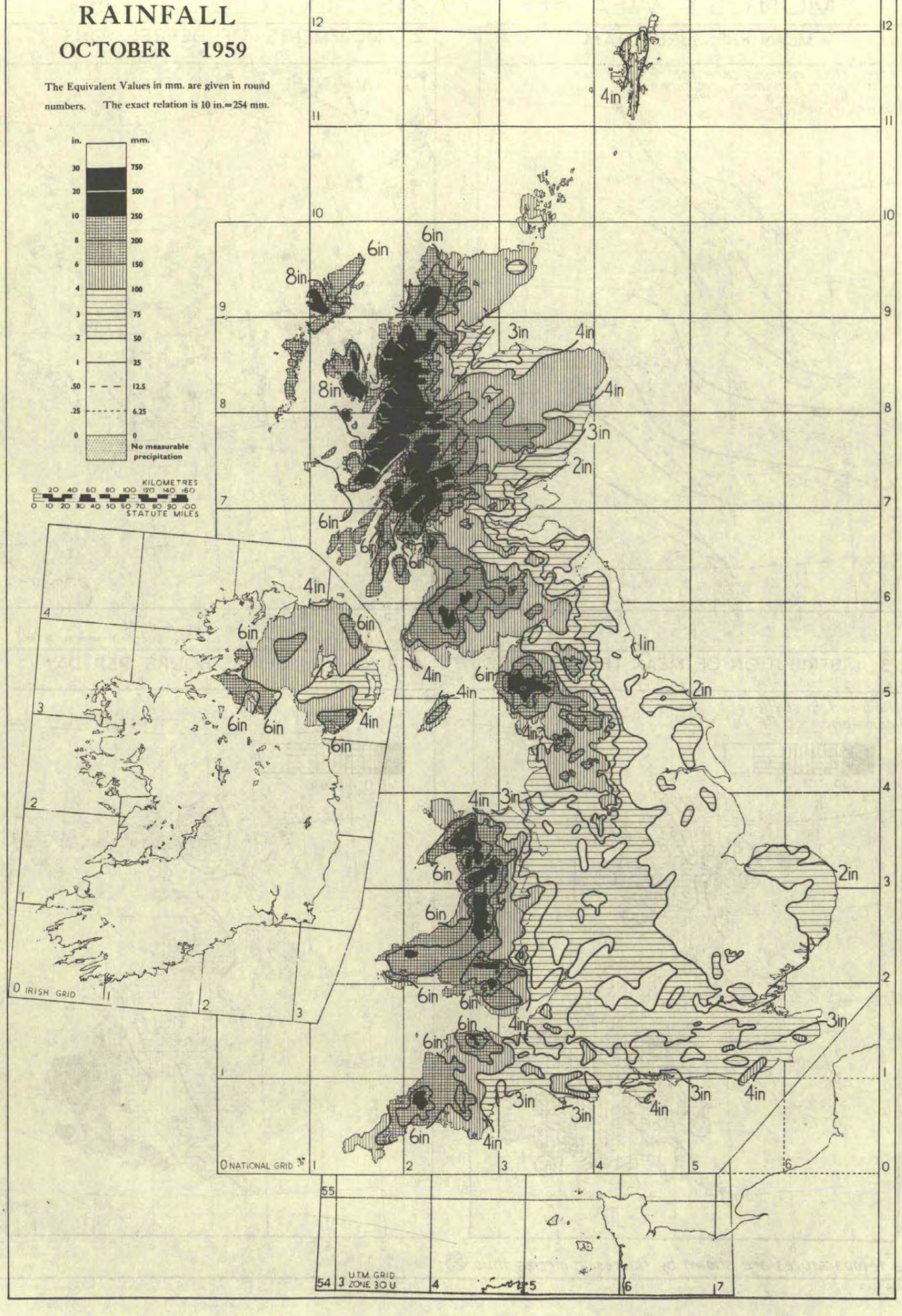


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER — OCTOBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0 SCOTLAND, N.																												
Zetland Lerwick Obs'y. ¶§	21-9 9	269	52·9	46·9	49·9	+4·0	60	2	33	29	–	–	3·81	86	·99	18	14	13	0	0	5	0	2	0	2	5	2·18	98
Baltasound ...	9 9 9	78	53·9	46·2	50·1	–	62	2	35	27,31	50·0	–	3·71	78	1·12	18	14	12	7	0	1	0	2	0	–	2	2·46	–
Orkney Sule Skerry ...	9 9 9	43	55·3	50·3	52·8	–	62	4	41	28,29	–	–	5·26	–	·73	26	18	16	0	0	2	0	0	0	0	3	–	–
Grimsetter ...	21-9 9	84	55·0	47·4	51·2	–	67	2	37	29	–	–	5·49	121	1·00	26	17	16	2	0	8	0	0	0	0	2	3·10	–
Caithness Wick ... ¶§	21-9 9	119	55·2	48·0	51·6	+4·0	64	2	35	24,25	–	–	4·01	129	1·07	26	17	13	0	0	2	0	0	0	2	2	3·28	120
Sutherland Cape Wrath ...	21-9 9	367	57·6	49·6	53·6	–	73	4	38	25	–	–	6·10	118	1·19	26	16	15	0	0	1	0	0	0	0	2	–	–
Lairg (Achany) ...	9 9 9	240	58·0	42·2	50·1	–	72	4	33	15	50·3	51·6	4·67	–	1·24	26	17	15	0	0	3	4	2	0	14	1	–	–
Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Strathy	9 9 9	120	58·5	44·4	51·5	–	74	4	36	13,25	–	–	4·90	–	1·21	26	16	14	3	0	0	0	0	0	–	1	3·62	– S
Ross & Cromarty Stornoway ¶§	21-9 9	11	57·2	47·9	52·5	+4·4	67	4	34	13,29	–	–	5·63	129	·91	23	18	16	0	0	4	1	0	0	2	4	3·36	136
Achnashellach ...	9 9 9	220	59·2	44·9	52·1	+4·9	75	4	33	29	–	–	11·51	126	2·22	26	18	16	–	–	–	–	0	0	–	–	–	–
Kinlochewe ...	9 9 9	76	60·1	45·6	52·9	–	76	4	36	29	–	–	13·53	–	4·02	23	17	16	0	0	3	0	0	0	2	0	2·74	– S
Garve (Inchbae)	9 9 9	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fortrose ... ¶§	9 9 9	15	57·7	47·8	52·7	+4·3	69	4	38	27,29	–	–	2·97	106	·92	26	16	13	0	0	0	0	0	–	–	1	3·77	130
Tarbatness ...	21-9 9	60	54·1	48·0	51·1	–	66	2	37	24,25,27	–	–	2·12	–	·68	26	15	11	0	0	0	0	3	0	–	2	–	–
Inverness Benbecula ...	21-9 9	19	57·3	50·0	53·7	–	67	4	38	27,29	–	–	6·29	123	1·22	17	20	15	0	0	5	0	0	0	0	8	3·43	–
Isle of Rhum ...	9 9 9	15	59·3	48·8	54·1	–	71	4	37	29	54·3	–	11·74	–	2·82	20	18	18	2	0	5	1	0	0	0	6	–	–
Duntulm ...	9 9 9	294	57·9	48·8	53·3	–	70	4	39	29	–	–	6·26	104	1·26	23	18	17	0	0	3	0	0	0	0	3	3·09	– S
Onich ... §	9 9 9	48	59·3	47·6	53·5	–	74	4	33	29	–	–	8·96	98	1·39	26	16	16	0	0	2	0	0	0	3	1	2·63	125S
Fort William ¶	9 9 9	34	59·6	46·8	53·2	+4·6	75	4	35	29	51·7	52·9	9·92	107	2·03	23	16	14	0	0	1	1	0	0	2	0	2·53	–
Fort Augustus ...	9 9 9	70	58·3	44·9	51·6	+4·3	73	4	34	29	–	–	6·69	–	1·50	26	17	16	0	0	0	0	1	0	–	0	3·21	–
Cannich	9 9 9	350	60·0	38·0	49·0	–	72	6,8	29	7,9,16	–	–	6·06	–	1·32	26	17	15	0	0	0	0	0	6	12	1	–	–
Dalwhinnie ...	18-9 9	1176	54·1	43·5	48·8	–	69	4	32	11,29	–	–	7·43	134	2·22	17	17	14	1	0	0	0	0	2	5	1	2·64	– S
Inverness ...	9 9 9	13	59·7	44·5	52·1	–	71	3	35	28	–	–	3·05	–	·93	26	14	12	0	0	0	0	0	0	9	1	3·70	–
Kincraig	9 9 9	780	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Glenmore Lodge	9 9 9	1120	57·4	41·4	49·4	–	71	4	29	29	–	–	5·63	–	1·97	17	16	14	2	0	0	0	0	3	8	0	3·99	– S
1 SCOTLAND, E.																												
Nairn Nairn ... ¶§	9 9 9	20	59·9	44·0	51·9	+3·9	76	4	36	7,9,29	–	–	2·48	91	·69	26	14	14	0	0	0	0	0	0	5	2	4·24	140
Moray Grantown-on-Spey	9 9 9	720	59·5	40·2	49·9	–	74	4	25	7	–	–	4·26	–	1·12	26	15	12	–	0	–	–	0	4	8	–	–	–
Forres	9 9 9	155	59·9	44·7	52·3	–	76	4	35	25,29	51·3	53·4	2·62	97	·74	26	15	11	0	0	1	0	0	0	3	1	3·99	–
Kinloss ...	21-9 9	15	59·9	44·4	52·1	–	76	4	33	7	–	–	2·81	–	·82	26	14	11	0	0	2	0	0	0	6	2	4·14	–
Findhorn ...	21 21 9	20	59·6	46·3	52·9	–	73	4	39	24,25,29	–	–	2·54	–	·72	26	15	11	0	–	2	0	–	0	1	2	–	–
Elgin	9 9 9	92	60·5	45·9	53·2	–	76	4	37	29	–	–	3·11	–	·83	26	15	12	0	0	0	0	0	0	1	1	3·83	–
Gordon Castle ...	9 9 9	104	60·3	44·1	52·2	+4·4	75	4	35	15,29	–	–	3·96	126	·99	26	15	11	–	0	–	–	0	–	2	2	3·63	123S
Banff Glenlivet	9 9 9	1085	56·0	42·5	49·3	–	70	4	31	25	49·1	–	4·73	120	1·12	17	18	15	3	0	2	0	1	2	8	1	4·01	–
Banff	9 9 9	80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aberdeen Braemar	9 9 9	1113	55·7	40·6	48·1	+4·0	69	4	29	7	–	–	5·09	123	1·90	17	15	13	3	0	0	0	0	3	7	0	2·83	– S
Balmoral... ...	9 9 9	927	56·1	40·7	48·4	+4·1	70	1	29	29	–	–	5·17	139	1·70	17	14	13	2	0	0	0	–	4	6	1	–	–
Logie Coldstone	9 9 9	608	57·0	41·7	49·3	+3·7	70	2	30	7	–	–	4·26	–	1·57	17	14	12	0	0	0	0	–	2	–	0	–	–
Fyvie Castle ...	9 9 9	218	57·7	44·9	51·3	–	70	2,4	32	25	–	–	4·20	–	1·00	17,27	14	11	0	0	0	0	–	1	6	–	3·29	–
Craibstone ¶§	9 9 9	300	56·7	45·9	51·3	+4·3	70	2	34	25	51·8	53·1	3·94	110	1·13	17	13	10	1	0	2	0	0	0	1	2	3·19	98
Dyce	21-9 9	190	57·5	45·5	51·5	–	71	2	31	25	–	–	4·10	110	1·22	17	12	10	1	0	2	1	1	1	2	2	3·15	–
Aberdeen ...	9 9 9	170	57·2	46·8	52·0	–	70	2	34	25	–	–	3·69	108	1·24	17	14	10	3	0	3	0	0	0	2	2	3·10	–
Udny	9 9 9	363	56·2	45·2	50·7	–	70	2	32	25	–	–	4·16	–	1·33	17	13	10	0	0	2	1	2	1	–	2	2·56	–
Rattray Head ...	21-9 9	85	55·7	47·4	51·5	–	67	2	33	25	–	–	4·72	158	1·26	17	17	10	1	0	1	0	1	0	–	3	3·13	–
Kincardine Fettercairn ...	9 9 9	560	56·0	45·0	50·5	–	67	3	32	25	–	–	4·28	–	1·23	27	17	11	0	0	0	0	2	1	9	2	3·21	– S
Stonehaven ...	9 9 9	12	57·4	45·1	51·3	–	68	2	29	27	–	–	3·02	93	1·48	27	15	10	1	0	0	0	0	1	–	2	2·57	– S
Muchalls ...	9 9 9	210	56·2	46·4	51·3	–	68	2	33	25	–	–	3·13	–	·88	27	16	9	2	0	0	0	1	0	1	1	–	–
Angus Dundee (Mylnefield)	9 9 9	100	57·8	46·8	52·3	–	69	4	35	29	51·8	53·7	1·80	–	·43	17	13	8	0	0	0	0	2	0	3	1	3·08	–
Dundee ... ¶	9 9 9	147	57·9	47·2	52·5	+4·6	67	4	34	29	52·1	–	1·96	60	·49	17	12	9	0	0	0	0	–	0	1	0	–	–
Glamis Castle ...	9 9 9	200	57·8	44·3	51·1	–	70	3	33	29	–	–	2·64	–	·87	17	15	10	0	0	0	0	4	0	6	1	–	–
Buddon Ness ...	9 9 9	15	57·5	47·3	52·4	–	64	2,4	35	29	–	–	1·99	68	·46	17	12	8	0	–	0	0	1	0	–	1	–	–
Carnoustie ...	9 9 9	29	58·1	48·7	53·4	–	66	3	35	29	55·2	–	1·96	65	·48	17	9	8	0	0	0	0	1	0	0	0	3·45	–
Arbroath... ...	9 9 9	95	57·0	47·2	52·1	+4·0	63	2,3,21	35	29	–	–	1·95	67	·52	26	10	8	1	0	0	0	0	0	1	1	3·41	102
Montrose... ...	9 9 9	200	56·5	46·1	51·3	–	63	2,3,4	35	25,29	–	–	3·08	99	·97	27	15	9	1	0	0	0	0	0	–	1	–	–
Perth Strathyre ...	9 9 9	425	58·3	41·2	49·7	–	70	4	30	29	51·7	52·8	8·17	–	1·82	17	16	15	2	0	0	0	0	1	1	1	–	–
Loch Tay (Ardtalnaig)	9 9 9	427	56·9	45·8	51·3	–	70	4	37	25,29	–	–	5·91	–	1·90	17	15	12	0	0	1	0	1	0	1	1	–	–
Pitlochry ...	9 9 9	473	57·6	42·3	49·9	–	71	4	31	25	–	–	4·73	–	1·44	17	18	14	0	0	0	0	0	2	4	1	2·62	–
Pitlochry (Faskally)	9 9 9	310	57·6	44·2	50·9	–	70	4	33	11,25	52·5	54·2	4·82	–	1·83	17	17	12	0	0	0	0	0	0	3	0	–	–
Perth	9 9 9	77	58·9	45·8	52·3	+4·4	72	4	34	29	–	–	2·25	68	·87	17	12	10	0	0	0	0	3	0	1	1	2·97	105
Blairgowrie ...	9 9 9	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Glenshee Lodge	9 9 9	1100	55·5	41·3	48·4	–	70	4	32	25,28,29	49·3	–	6·25	–	1·65	17	19	14	2	0	2	0	1	3	7	3	–	–
Fife Kirkcaldy ...	9 9 9	137	57·9	46·3	52·1	+3·4	70	4	35	29	–	–	1·87	64	·56	26	12	9	0	0	0	0	1	0	–	0	3·60	121
Cupar	9 9 9	82	59·3	44·5	51·9	–	70	4	32	29	52·0	–	1·41	–	·41	17	12	6	0	0	0	0	4	1	1	1	–	–
Lundin Links ...	9 9 9	40	59·4	47·0	53·2	–	72	4	35	29	–	–	1·26	–	·38	26	10	6	0	0	0	0	3	0	–	0	4·01	–
Leuchars... ...	21-9 9	35	58·1	47·0	52·5	+4·1	68	4	37	16,25,29	–	–	1·30	46	·28	17	13	7	0	0	1	0	2	0	1	1	3·54	108
St. Andrews ...	9 9 9	13	58·0	–	–	–	69	4	–	–	53·1	54·6	1·39	48	·29	20	11	8	–	0	–	–	5	–	1	0	3·43	108
Midlothian Balerno	9 9 9	700	60·9	43·0	51·9	–	74	4	29	29	–	–	2·70	–	·93	26	13	11	–	0	–	–	–	1	9	–	3·76	–
Midcalder ...	9 9 9	400	59·0	43·3	51·1	–	75	4	29	29	–	–	3·05	–	1·12	26	13	12	1	0	0	0	2	1	1	0	–	–
Turnhouse ...	21-9 9	114	59·8	45·0	52·4	–	76	4	29	29	–	–	1·69	61	·54	26	12	9	1	0	0	0	2	1	1	0	3·71	–
Edinburgh—																												
East Craigs ...	9 9 9	200	59·4	45·3	52·3	–	75	4	32	29	–	–	1·78	–	·57	26	13	9	0	0	0	0	3	1	1	0	–	–
Davidson's Mains	9 9 9	200	58·9	45·8	52·3	–	76	4	34	29	–	–	1·82	–	·47	26	13	9	0	0	0	0	2	0	2	0	3·85	–
Penicuik ...	9 9 9	620	58·3	42·9	50·6	–	74	3	33	7	50·7	–	3·17	–	1·08	26	13	12	1	0	0	0	1	0	1	0	3·23	– S
Bush House ...	9 9 9	605	58·5	42·8	50·7	–	75	4	33	7	50·0	53·3	2·62	–	·83	26	14	10	0	0	0	0	2	0	4	0	3·72	–
Edinburgh—																												
Blackford Hill ¶§	9 9 9	441	59·1	47·1	53·1	+4·7	75	3	35	29	–	–	1·66	59	·60	26	13	8	0	0	0	0	1	0	0	0	4·08	127
Liberton ...	9 9 9	200	60·1	45·2	52·7	–	76	4	35	7,29	–	–	1·64	–	·55	26	8	7	0	0	0	0	3	0	–	7	4·04	–
Botanic Garden	9 9 9	74	60·2	45·3	52·7	–	76	4	32	29	51·0	–	1·57	–	·42	26	10	8	0	0	0	0	2	1	7	0	3·81	–
E. Lothian Haddington ...	9 9 9	162	59·7	45·7	52·7	–	74	3,4	33	7	–	–	1·60	–	·57	17	12	7	0	0	0	0	1	0	2	0	4·09	–
North Berwick ...	9 9 9	51	59·6	47·7	53·7	+4·9	75	3	39	25	–	–	1·46	55	·46	26	13	6	0	0	0	0	1	0	–	1	3·48	124
Dunbar	9 9 9	75	59·3	48·1	53·7	–	73	4	37	29	–	–	1·40	–	·44	17	9	6	0	0	0	0	0	0	0	0	4·56	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max.	Min.	Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	
	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%	
1 SCOTLAND, E.—cont.																															
Berwick Marchmont ¶§	9	9	9	498	58·7	44·8	51·7	+4·6	75	3	34	29	–	–	2·51	77	·66	17	13	8	0	0	0	0	6	0	–	–	3·48	139	S
St. Abb's Head ...	9	9	9	245	55·8	48·9	52·3	–	68	2	36	27	–	–	2·12	–	·67	17	11	9	0	0	0	0	7	0	0	3	–	–	
Peebles Broughton ...	9	9	9	741	58·3	43·1	50·7	–	72	3,4	29	29	–	–	5·60	–	1·40	26	14	13	1	0	0	0	0	2	3	0	–	–	
Blyth Bridge ...	9	9	9	830	57·9	43·5	50·7	–	74	3	29	29	–	–	3·43	–	·93	26	15	11	1	0	2	0	1	1	3	0	4·32	–	
West Linton ...	9	9	9	800	57·8	42·0	49·9	–	73	3,4	32	29	50·1	53·4	3·66	–	1·20	26	16	11	1	0	0	0	2	1	5	1	–	–	
Peebles	9	9	9	645	58·5	43·3	50·9	–	73	3,4	30	29	–	–	3·92	–	1·38	17	15	11	1	0	0	0	1	2	2	1	3·75	–	
Selkirk Selkirk (Bowhill)	9	9	9	600	58·9	43·1	51·0	–	74	3	31	29	–	–	3·24	–	1·28	17	15	11	1	0	0	0	8	1	–	2	–	–	
Roxburgh Hawick (Wauchope)	9	9	9	560	59·1	43·3	51·2	–	74	3	26	29	–	–	2·90	–	·94	17	15	14	–	0	–	–	3	1	–	–	–	–	
Sourhope ...	9	9	9	900	58·7	46·1	52·4	–	76	3	31	29	–	–	1·65	–	·61	17	11	7	2	0	0	0	1	1	2	0	4·34	–	
6a SCOTLAND, W.																															
Argyll Tiree ... ¶§	21–9	9		29	58·0	50·6	54·3	+4·0	65	4	39	27	–	–	5·85	115	1·05	17	20	17	0	0	5	0	0	0	1	3	3·36	124	
Rhuvaal	21–9	9		47	58·5	51·4	54·9	–	67	4,5	41	27,28,29	–	–	7·44	–	1·56	26	18	17	0	0	1	1	0	0	0	2	–	–	
Colonsay ...	9	9	9	87	61·2	47·2	54·2	–	68	4	32	26	–	–	5·83	92	1·00	26	21	18	–	–	–	–	0	1	–	–	–	–	
Tobermory ...	9	9	9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Loch Shiel (Polloch)	9	9	9	33	59·8	46·9	53·3	–	72	4	34	29	–	–	12·22	–	2·12	27	19	16	0	0	5	0	0	0	2	1	–	–	
Tarbert (Achaglachgach)	9	9	9	40	62·4	47·5	54·9	–	74	15	31	29	–	–	7·60	–	1·48	27	17	16	0	0	3	0	0	1	2	0	–	–	
Lephinmore ...	9	9	9	30	58·5	47·6	53·1	–	72	4	34	29	–	–	7·80	–	1·62	26	16	16	0	0	2	3	2	0	1	0	2·73	–	S
Glenbranter ...	9	9	9	120	57·8	45·7	51·7	+4·1	72	4	30	29	–	–	10.78	98	2·35	17	16	16	0	0	0	0	0	1	1	0	–	–	
Dunoon Waterworks	9	9	9	228	58·6	47·6	53·1	–	71	4,5	35	29	–	–	9·54	–	1·98	26	17	17	–	0	–	–	0	0	0	0	–	–	
Dunoon (Benmore)	9	9	9	46	58·4	45·1	51·7	–	74	4	30	29	50·7	54·0	9·57	88	1·81	26	17	16	0	0	0	0	2	1	3	0	–	–	
Bute Rothesay ¶§	9	9	9	150	58·0	48·3	53·1	+4·2	71	4	35	29	53·8	54·3	5·99	90	1·22	17	16	14	0	0	0	0	8	0	1	2	3·16	131	
Millport	9	9	9	16	59·4	50·0	54·7	–	70	4	38	29	–	–	5·89	114	1·49	17	16	15	0	0	1	0	0	0	–	10	–	–	
Dunbarton Helensburgh ...	9	9	9	293	57·6	46·9	52·3	+4·0	72	4	33	29	–	–	4·71	71	1·05	26	16	14	0	0	0	0	0	0	–	0	2·63	113	
Stirling Stirling	9	9	9	151	58·1	47·6	52·9	+4·5	74	4	37	29	51·4	55·1	3·08	74	·81	26	14	11	0	0	0	0	1	0	0	1	–	–	
Falkirk	9	9	9	100	61·0	45·7	53·3	–	77	3	38	16,27	–	–	2·98	76	1·08	26	12	9	0	0	0	0	2	0	–	0	–	–	
Renfrew Greenock ...	9	9	9	200	58·0	48·1	53·1	+3·9	72	4	37	29	–	–	7·07	95	1·51	17	16	14	0	0	0	0	0	0	0	0	2·26	93	S
Paisley	9	9	9	106	59·4	47·6	53·5	+4·4	73	4	36	29	53·2	54·7	5·54	108	1·33	26	16	14	0	0	1	0	9	0	2	0	3·40	141	
Barrhead ...	9	9	9	97	59·0	45·0	52·0	–	73	4	35	29	–	–	5·55	–	1·57	26	14	13	0	0	0	0	1	0	0	0	–	–	
Renfrew ... ¶§	21–9	9		26	59·8	47·8	53·8	+5·4	75	4	35	29	–	–	4·52	96	1·13	26	16	13	0	0	3	0	0	0	1	0	3·19	134	
Lanark Thorntonhall ...	9	9	9	453	57·6	44·1	50·9	–	73	4	31	29	–	–	5·64	–	1·92	26	13	12	0	0	0	0	–	1	5	0	–	–	
Glasgow, Spr. Pk.	9	9	9	351	58·1	46·4	52·3	–	73	4	36	29	–	–	4·49	101	1·22	26	15	12	0	0	0	0	0	0	1	0	3·34	–	
Coatbridge ...	9	9	9	256	59·4	45·5	52·5	–	75	4	34	29	–	–	3·97	–	1·23	26	14	13	0	0	0	0	0	0	–	1	–	–	
Coalburn ...	9	9	9	920	56·6	42·6	49·6	–	70	4	29	29	50·7	–	8·66	–	2·30	26	15	13	1	0	2	0	1	1	7	5	3·74	–	
Leadhills ...	9	9	9	1270	56·1	43·7	49·9	–	69	4	25	29	–	–	7·31	–	1·82	17	16	15	1	0	2	0	1	1	3	0	–	–	
Carnwath ...	9	9	9	706	57·9	43·3	50·6	–	72	3	26	29	–	–	3·19	–	1·10	26	17	11	1	0	0	0	3	1	3	0	–	–	
Ayr Colmonell... ...	9	9	9	170	60·1	48·0	54·1	+4·8	71	4	36	29	–	–	6·76	135	2·97	17	15	13	–	0	–	–	8	0	1	–	–	–	
Turnberry ...	9	9	9	25	60·4	48·8	54·6	+4·5	74	4	33	28	–	–	5·76	–	1·74	17	14	14	–	0	–	–	0	0	–	–	3·49	–	
Largs (Woodbank)	9	9	9	25	60·3	49·0	54·7	–	75	4	35	29	–	–	5·38	96	1·30	17	16	14	–	0	–	–	0	0	2	–	3·47	–	
Barr	9	9	9	400	59·4	46·7	53·1	–	73	4	29	29	–	–	8·92	–	2·53	17	19	14	0	0	6	2	0	1	–	1	–	–	
Auchincruive ...	9	9	9	147	59·8	47·3	53·5	–	72	4	32	29	52·8	54·0	5·53	123	1·31	26	15	14	0	0	1	1	0	1	1	1	3·75	–	
Prestwick ...	9	9	9	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Prestwick Airport	21–9	9		30	60·7	48·6	54·7	–	74	4	33	29	–	–	5·61	133	1·27	26	15	14	0	0	2	1	0	0	1	1	3·71	–	
Kilmarnock ...	9	9	9	115	60·5	47·5	54·0	+5·2	76	1	31	29	52·9	58·1	6·12	–	1·59	26	16	13	0	0	0	0	1	2	1	–	–	–	
Dumfries Moniaive (Dalmacallan)	9	9	9	480	58·0	44·7	51·3	–	71	4	32	29	–	–	7·38	–	2·62	17	16	14	–	0	–	–	1	1	2	–	–	–	
Dumfries... ¶§	9	9	9	140	60·0	46·3	53·1	+4·7	73	4	31	29	53·8	55·0	4·89	106	1·86	17	16	13	0	–	0	0	0	1	2	0	3·75	132	
Ruthwell... ...	9	9	9	95	60·7	45·0	52·9	+4·6	76	3,4	26	29	–	–	4·16	106	1·11	17	17	13	0	–	0	0	–	1	–	2	3·92	146	S
Eskdalemuir ¶§	21–9	9		794	58·3	44·0	51·1	+5·0	72	3,4	33	28,29	53·3	53·8	6·34	97	1·50	17	15	14	2	0	0	0	0	0	1	0	4·20	163	
Kirkcud-bright Bargrennan ...	9	9	9	360	59·2	45·1	52·1	–	72	4	33	25,29,30	–	–	8·25	–	2·07	17	18	16	0	0	0	1	0	0	3	0	–	–	
Palnure	9	9	9	50	60·6	47·0	53·8	–	74	4	31	29	–	–	6·11	–	1·80	17	17	16	0	0	0	1	0	2	–	3	–	–	
Glenlee	9	9	9	181	60·0	43·5	51·7	–	72	4	31	29	–	–	7·15	–	1·79	17	18	16	0	0	0	0	3	1	1	2	–	–	
Carsphairn (Dundeugh)	9	9	9	390	58·7	43·3	51·0	–	71	4	32	29	–	–	7·84	–	1·64	17	18	16	3	0	0	0	1	1	–	1	–	–	
Glenlochar Barrage	9	9	9	154	59·5	44·9	52·2	–	71	4	32	29	–	–	5·54	–	1·42	17	17	12	–	0	–	–	4	1	–	–	–	–	
Castle Douglas ...	9	9	9	196	59·6	44·6	52·1	–	73	4	30	29	52·4	–	5·00	–	1·29	17	15	13	–	0	–	–	0	1	5	–	4·02	–	
Wigtown Stranraer (Penwhirn)	9	9	9	546	57·5	46·6	52·1	–	68	4	35	29	–	–	7·56	–	2·81	17	17	16	0	0	0	0	1	2	0	1	3·40	–	
Mull of Galloway	21–9	9		257	58·2	51·5	54·9	–	66	4	42	29	–	–	3·26	–	1·67	17	15	13	0	0	1	0	1	0	–	4	–	–	
6b ISLE OF MAN																															
Isle of Man Ronaldsway ...	21–9	9		55	59·5	51·8	55·7	–	66	3,4,6	39	29	–	–	3·98	104	1·59	17	17	14	0	0	2	0	0	0	0	7	3·53	–	
Douglas	9	9	9	284	58·9	51·1	55·0	+4·5	69	4	39	29	–	–	5·05	100	1·85	17	17	13	0	0	0	1	0	0	0	0	3·76	112	
Point of Ayre ...	21–9	9		30	60·7	52·0	56·3	–	69	2	44	27,29	–	–	3·65	105	1·76	17	16	10	0	0	0	0	0	0	–	4	3·44	–	
2 ENGLAND, N.E.																															
Northum-berland Kielder Castle ...	9	9	9	660	58·2	42·6	50·4	–	74	3	26	29	52·4	–	4·12	83	1·58	26	15	12	0	0	0	0	4	1	5	0	–	–	
Bellingham ...	9	9	9	849	58·1	43·7	50·9	+4·9	74	3	28	29	–	–	2·44	70	·75	26	15	9	0	0	0	0	1	1	–	–	–	–	
Allendale Town...	9	9	9	795	59·3	43·7	51·5	–	76	3	27	29	–	–	3·27	–	1·34	26	16	11	0	0	0	0	2	2	4	1	–	–	
Haydon Bridge ...	9	9	9	270	60·6	43·4	52·0	–	75	2,3	28	29	52·1	53·6	2·32	–	·99	26	14	10	0	0	0	0	8	1	3	0	3·55	–	
Berwick-on-Tweed	9	9	9	76	57·6	46·9	52·3	+3·6	64	3	36	29	–	–	1·89	78	·49	17	10	9	0	0	0	0	4	0	1	1	3·21	97	
Cockle Park ¶§	9	9	9	326	58·8	43·4	51·1	+3·2	73	3	32	29	51·3	53·4	1·64	61	·40	26	18	10	1	0	0	0	2	1	1	2	3·76	118	
Acklington ...	21–9	9		138	58·6	45·7	52·1	–	70	2	36	29	–	–	1·71	–	·57	17	16	9	0	0	0	0	6	0	0	0	4·09	–	
Tynemouth ...	21–9	9		95	57·3	49·6	53·5	+3·0	70	2	36	29	–	–	1·48	60	·41	26	14	10	0	0	0	0	6	0	0	2	3·50	–	
Durham Chopwellwood ...	9	9	9	446	59·7	45·6	52·7	+4·7	77	3	32	29	–	–	1·33	48	·37	26	16	11	0	0	0	0	4	1	4	1	–	–	
Ushaw College ...	9	9	9	594	59·8	45·6	52·7	+4·4	72	2	32	29	–	–	·90	33	·36	26	6	5	0	0	0	0	10	1	–	0	–	–	
Houghall... ...	9	9	9	160	61·1	43·2	52·1	+3·4	74	1	31	1	–	–	1·17	45	·28	17	14	10	0	0	0	0	6	1	12	0	3·68	123	S
Durham ... ¶§	9	9	9	336	60·2	45·4	52·8	+4·2	74	3	34	7,29	53·3	54·5	·98	41	·28	26	14	6	0	0	0	0	4	0	2	2	3·75	121	
Gateshead ...	9	9	9	509	58·4	47·3	52·9	–	73	3	33	29	–	–	1·55	–	·32	26	15	9	–	0	–	–	4	0	1	–	3·89	–	
Middleton St. Gge.	21–9	9		115	61·2	45·5	53·3	–	75	3,4	34	29	–	–	·98	–	·28	18	14	6	0	0	0	0	7	0	4	0	3·91	–	
West Hartlepool	9	9	9	30	59·8	48·3	54·1	–	72	2	36	29	–	–	1·09	–	·46	26	15	7	0	0	0	0	6	0	0	2	3·51	–	
Yorks., N. Riding Dishforth ...	21–9	9		106	61·5	45·7	53·6	–	77	3,4	36	29	–	–	1·72	73	·49	26	14	11	0	0	0	0	10	0	1	1	3·54	–	
York ... ¶§	9	9	9	57	62·4	46·1	54·3	+4·2	78	3	35	7,29	53·6	55·5	1·72	78	·67	26	13	10	0	0	0	0	8	0	–	1	3·85	134	
Ampleforth ...	9	9	9	313	60·9	45·8	53·3	–	75	3	36	29,30	–	–	1·53	56	·45	26	14	9	–	–	–	–	7	0	1	–	–	–	

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding—cont.	Redcar	9 9 9	25	61·1	–	–	–	75	3	–	–	–	–	1·24	55	·41	26	16	10	0	0	1	0	6	–	–	2	3·89	–
	Whitby	9 9 9	135	60·6	46·8	53·7	–	77	3	33	29	–	–	1·96	82	·61	26	15	11	0	0	0	1	6	0	2	1	4·38	–
	Scarborough ¶§	9 9 9	118	60·1	49·2	54·7	+3·4	78	3	37	29	–	–	1·78	79	·46	26	12	10	0	0	0	0	1	0	0	1	4·45	138
	Silpho Moor ...	9 9 9	665	57·8	46·3	52·1	–	75	3	33	29	51·9	–	2·68	–	·56	28	16	11	–	0	–	–	–	0	2	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	60·3	45·7	53·0	–	76	3	33	29	51·5	–	2·21	–	·72	26	23	12	0	0	0	0	4	0	7	0	4·61	–
	Leconfield ...	21-9 9	29	62·4	45·2	53·8	–	77	3	36	7,29	–	–	2·06	–	·63	26	15	9	0	0	0	0	7	0	2	0	4·64	–
	Hull	9 9 9	8	62·0	46·9	54·5	+3·6	78	3	37	29	54·5	55·6	1·95	82	·59	26	11	9	0	0	0	0	5	0	1	0	4·67	153
	Filey	9 9 9	122	59·9	46·6	53·3	–	76	3	33	30	–	–	1·79	–	·42	26	14	10	0	0	1	0	3	0	0	1	4·55	–
	Bridlington ...	9 9 9	157	59·1	47·5	53·3	–	70	2	34	30	–	–	1·99	–	·47	26	15	11	0	0	0	0	3	0	1	3	4·97	–
	Spurn Head ...	21-9 9	29	58·9	51·9	55·4	+3·6	65	2,3	38	29	–	–	1·57	–	·47	26	13	10	0	0	0	0	3	0	–	1	5·07	148
Lincoln	Gunby	9 9 9	443	63·1	43·4	53·3	–	80)	2	32	30	–	–	1·61	–	·60	26	9	9	–	0	–	–	–	1	–	–	–	–
	Waddington ...	21-9 9	224	62·9	46·0	54·5	–	77	1,3	34	29	–	–	1·93	–	·48	26	10	9	0	0	0	0	4	0	0	0	5·23	–
	Lincoln	9 9 9	22	63·7	45·3	54·5	–	78	3	30	7,30	55·1	56·6	2·20	–	·53	12	10	9	0	0	0	0	4	2	6	2	4·91	–
	Cranwell ... ¶§	9 9 9	205	63·4	45·0	54·2	+4·4	77	1,3	35	29	55·0	59·2	1·39	64	·35	26	12	8	0	0	0	0	5	0	2	0	4·97	145
	Horncastle ...	9 9 9	205	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Cleethorpes ...	9 9 9	23	61·6	47·7	54·7	–	77	1,3	37	29,30	–	–	1·47	–	·52	26	11	9	0	0	0	0	4	0	0	0	4·95	–
	Manby	21-9 9	55	62·6	45·3	53·9	–	77	3	33	29,30	–	–	1·71	–	·62	26	13	10	0	0	1	0	4	0	1	1	5·51	–
	Skegness ...	9 9 9	15	60·8	49·5	55·1	+4·3	71	1	34	30	–	–	1·61	81	·49	26	13	11	0	0	0	0	0	0	1	1	5·95	169
3 ENGLAND, E.																													
Norfolk	Terrington St. Clement ...	9 9 9	13	63·9	46·6	55·3	–	81	3	33	30	54·2	–	1·53	81	·49	26	14	11	0	0	0	0	2	0	1	0	5·66	–
	Marham	21-9 9	76	64·3	47·0	55·7	–	79	2,3	36	30	–	–	1·89	–	·52	26	14	10	0	0	0	0	2	0	1	0	–	–
	Santon Downham	9 9 9	80	64·5	41·3	52·9	–	80	3	27	30	53·1	54·7	1·97	–	·79	26	14	9	0	0	0	0	–	2	13	0	–	–
	West Raynham ...	21-9 9	250	63·1	46·0	54·5	–	79	2,3	33	30	–	–	2·23	–	·67	26	13	11	0	0	0	0	3	0	3	3	5·65	–
	Cromer	9 9 9	178	62·2	49·2	55·7	+3·9	79	3	37	30	–	–	1·97	78	·69	26	14	10	0	0	0	0	0	0	0	2	5·35	145
	Sprowston ¶§	9 9 9	93	62·4	45·9	54·1	+3·3	78	2,3	34	7	–	–	2·37	93	·88	26	17	10	0	0	1	0	–	0	2	2	5·50	154
	Burlingham ...	9 9 9	89	62·7	47·3	55·0	–	77	3	35	28	–	–	2·23	91	·98	26	12	10	0	0	0	0	2	0	0	3	5·33	–
	Gorleston ¶§	21-9 9	5	59·8	51·3	55·5	+3·2	67	3	36	28,30	57·1	58·8	2·81	116	·93	26	13	9	0	0	0	0	2	0	0	2	4·64	127
Suffolk	Mildenhall ...	21-9 9	15	64·9	47·1	56·0	–	82	3	34	30	–	–	1·51	79	·56	26	12	8	0	0	0	0	2	0	2	0	5·75	–
	East Bergholt ...	9 9 9	14	63·4	44·2	53·8	–	79	2,3	32	30	–	–	1·73	–	·68	26	13	9	0	0	0	0	0	1	8	0	–	–
	Felixstowe ...	21-9 9	10	61·6	52·5	57·1	+4·4	72	3	39	29,30	–	–	1·65	77	·59	26	13	8	0	0	0	0	1	0	0	2	5·79	152
	Lowestoft ...	9 9 9	82	61·0	50·1	55·5	+3·8	72	3	35	28	58·7	56·4	2·71	117	·69	28	12	9	0	0	0	0	2	0	0	1	5·33	142
Cambridge	Boxworth ...	9 9 9	157	64·3	45·1	54·7	–	80	3	34	30	–	–	1·56	81	·54	26	13	9	0	0	0	0	2	0	2	1	5·54	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	64·8	45·6	55·2	+4·8	80	3	32	30	55·5	58·5	1·37	70	·54	26	13	9	0	0	0	0	1	1	5	–	5·41	160
Huntingdon	Wyton	21-9 9	129	63·9	46·4	55·1	–	80	3	34	30	–	–	1·58	–	·49	26	13	11	0	0	0	0	3	0	0	1	–	–
Bedford	Woburn	9 9 9	291	62·1	44·6	53·3	+3·8	77	3	33	29	53·7	55·6	1·93	84	·72	26	13	11	0	0	0	0	1	0	5	3	4·69	138
	Harrold	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Dunstable ...	21-9 9	516	62·1	46·9	54·5	–	77	3	33	29,30	54·2	56·3	1·94	–	·61	26	13	10	0	0	0	0	0	0	1	1	5·23	–
	Goldington ...	9 9 9	107	64·2	46·0	55·1	–	80	3	34	30	–	–	1·91	–	·68	26	13	10	0	0	0	0	2	0	4	2	–	–
	Luton	9 9 9	379	62·3	46·7	54·5	+4·7	77	3	31	30	54·9	–	1·74	72	·59	26	13	11	–	0	–	–	2	1	1	–	4·86	143
	Silsoe	9 9 9	195	63·6	44·4	54·0	–	79	3	33	30	54·8	56·7	1·68	80	·63	26	13	11	0	0	0	0	2	0	5	2	5·09	–
	Cardington ...	21-9 9	93	64·3	44·3	54·3	–	80	3	30	30	–	–	1·53	79	·58	26	13	9	0	0	0	0	3	1	7	3	4·99	–
Hertford	Bovingdon ...	21-9 9	516	61·4	45·6	53·5	–	77	3	33	30	–	–	2·46	–	·83	26	14	10	0	0	0	0	1	0	2	2	–	–
	Garston	9 9 9	263	63·3	45·3	54·3	–	79	3	34	30	–	–	2·26	–	·85	26	12	9	0	0	0	0	3	0	1	0	4·21	–
	Rothamsted ¶§	9 9 9	420	62·1	45·1	53·6	+4·1	78	3	34	30	53·9	56·2	2·18	83	·83	26	15	10	0	0	0	0	1	0	1	0	4·84	143
	St. Albans ...	9 9 9	272	63·0	44·9	53·9	+4·1	79	3	32	30	54·2	–	2·04	84	·81	26	13	9	0	0	0	0	1	1	3	1	–	–
	Bayfordbury ...	9 9 9	221	63·1	44·8	53·9	–	79	3	33	30	–	–	2·10	88	·74	26	12	10	0	0	0	0	2	0	1	1	5·11	–
	Stanstead Abbotts	9 9 9	97	63·7	43·4	53·5	–	78	3	30	30	57·5	59·7	1·63	–	·63	26	11	10	–	0	–	–	1	1	4	–	–	–
	Eastwick Lodge...	9 9 9	137	63·8	45·4	54·6	–	80	3	30	30	–	–	1·53	66	·60	26	13	10	–	0	–	–	1	1	–	–	–	–
Essex	Stansted ...	9 9 9	330	62·8	46·4	54·6	–	79	3	33	30	–	–	1·89	–	·62	26	14	9	0	0	0	0	1	0	1	0	–	–
	Saffron Walden	9 9 9	295	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Writtle	9 9 9	105	63·2	44·5	53·9	–	78	3	34	30	–	–	1·88	82	·78	26	12	9	0	0	0	0	1	0	1	2	4·98	–
	Coryton	9 9 9	9	63·5	48·7	56·1	–	77	2	36	30	57·3	61·2	1·85	–	·62	26	11	8	0	0	0	0	3	0	0	0	–	–
	Southend ...	9 9 9	90	63·6	49·7	56·7	–	77	2,3	35	30	–	–	1·88	85	·53	26	12	10	0	0	0	0	1	0	0	1	5·69	156
	Maldon	9 9 9	14	62·2	45·9	54·1	–	76	1,2	33	29	–	–	1·70	–	·65	26	13	10	0	–	0	0	2	0	–	1	–	–
	Earls Colne ...	9 9 9	160	63·5	45·9	54·7	–	80	2	34	30	55·7	59·1	1·63	67	·60	26	15	14	–	0	–	–	2	0	–	–	–	–
	Shoeburyness ¶§	21-9 9	11	61·5	49·4	55·5	+3·4	74	2	37	29,30	–	–	2·09	100	·69	26	13	8	0	0	0	0	2	0	1	0	5·37	147
	Clacton	9 9 9	53	60·6	51·1	55·9	–	70	3	36	30	57·6	59·6	2·01	90	·61	26	13	10	0	0	0	0	1	0	0	3	5·44	147
	Walton-on-Naze	9 9 9	35	60·9	50·0	55·5	–	70	3	32	28,29	–	–	1·97	–	·65	26	14	10	0	0	0	0	2	2	3	4	5·85	–
	Dovercourt ...	9 9 9	11	61·7	49·2	55·5	–	70	2,3	35	30	–	–	1·81	–	·69	26	12	9	–	–	–	–	2	0	0	2	5·26	–
4 MIDLAND COUNTIES																													
Yorks., W. Riding	Slaidburn ...	9 9 9	629	60·1	44·8	52·5	–	74	3	32	29	–	–	6·90	–	2·59	26	15	13	0	0	0	0	1	1	1	0	3·75	–
	Malham Tarn ...	9 9 9	1297	56·5	43·7	50·1	–	70	3	29	29	50·8	–	5·81	–	1·83	26	17	15	0	0	0	0	3	2	10	1	–	–
	Bingley	9 9 9	610	58·9	45·7	52·3	–	75	3	33	29	–	–	4·15	115	1·68	26	15	12	0	0	0	1	8	0	1	0	–	–
	Huddersfield §	9 9 9	325	61·3	45·8	53·5	+4·4	78	3	36	29	53·3	55·9	2·72	–	1·69	26	14	10	–	0	–	–	10	0	1	–	3·17	126
	,, (Oakes)	21-9 9	762	60·3	46·1	53·2	+4·6	81	3	34	29	52·0	53·1	3·82	98	2·11	26	14	11	0	0	0	0	7	0	1	3	3·25	–
	Bradford ¶	9 9 9	439	59·8	46·5	53·1	+4·1	76	3	33	29	52·1	55·9	3·74	114	1·77	26	17	14	0	0	0	1	7	0	2	0	–	–
	Ilkley	9 9 9	315	60·7	45·7	53·2	+4·5	78	3	35	29	–	–	3·42	90	1·66	26	14	13	0	0	0	0	8	0	–	0	3·17	117
	Sheffield	9 9 9	429	61·6	47·0	54·3	+4·2	77	1,3	37	29	53·2	56·3	2·25	76	1·03	26	12	10	0	0	0	0	–	0	1	0	3·49	129
	Wakefield ...	9 9 9	121	62·5	45·6	54·1	+4·0	79	3	35	29	53·2	54·8	1·65	68	·82	26	12	9	0	0	0	0	10	0	4	0	–	–
	Killinghall ...	9 9 9	365	60·4	44·5	52·5	–	76	3	34	29	52·4	–	2·71	–	1·32	26	12	10	0	0	0	0	9	0	3	0	3·29	–
	Pontefract ...	9 9 9	255	61·3	45·6	53·5	+3·9	76	3	35	29	–	–	1·31	62	·43	26	17	8	0	0	0	0	8	0	0	0	3·65	–
	Bramham ...	9 9 9	177	61·8	44·0	52·9	–	77	4	34	29	–	–	2·11	–	·85	26	14	9	0	0	0	0	7	0	3	0	3·55	–
	Cawood	9 9 9	20	62·3	43·5	52·9	–	77	3	34	7	54·1	56·8	1·74	79	·66	26	12	9	0	0	0	0	6	0	0	0	3·95	–
	Askham Bryan ...	9 9 9	90	62·5	43·8	53·1	–	77	3	35	30	–	–	1·82	78	·71	26	11	9	0	0	0	0	9	0	2	0	3·63	–
Derby	Buxton	9 9 9	1007	58·1	43·6	50·9	+4·0	73	3	32	29	51·4	54·8	4·50	90	2·00	26	13	10	0	0	0	0	0	1	1	0	–	–
	Chapel en le Frith	9 9 9	728	60·5	45·9	53·2	–	75	3,4	29	29	–	–	3·92	–	1·66	26	12	11	1	0	0	0	3	1	5	0	–	–
	Wirksworth ...	9 9 9	565	62·0	46·3	54·1	–	79	3	35	30	–	–	2·67	–	·85	26	12	10	0	0	0	0	5	0	3	2	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4	MIDLAND COUNTIES—cont.																												
Derby—cont.	Derby	9 9 9	159	63·4	45·9	54·7	–	78	3	36	29	–	–	2·18	–	·67	26	11	10	0	0	0	0	5	0	3	0	4·35	–
	Morley	9 9 9	350	62·2	45·4	53·8	–	79	3	34	29	–	–	2·09	–	·65	26	12	9	0	0	0	0	–	0	2	0	4·31	– S
	Chesterfield ...	9 9 9	298	62·0	44·0	53·0	–	78	3	35	7,29	–	–	2·08	–	·87	26	12	10	0	0	0	0	6	0	–	0	–	–
Nottingham	Sutton Bonington	9 9 9	157	63·8	44·2	54·0	+4·4	79	3	33	29	53·6	56·2	1·78	84	·66	26	11	8	0	0	0	0	4	0	7	0	4·64	150
	Watnall ...	21–9 9	385	62·7	46·0	54·3	–	80	3	35	29	–	–	2·13	84	·76	26	13	10	0	0	0	0	4	0	4	0	4·20	–
	Mansfield ...	9 9 9	357	60·9	45·3	53·1	+3·7	78	3	35	29	–	–	1·95	73	·76	26	12	8	0	0	0	0	9	0	0	0	–	–
	Nottingham ¶§	9 9 9	192	63·7	47·5	55·6	+5·3	80	3	37	29	55·3	59·1	2·08	93	·77	26	11	11	0	0	0	0	2	0	0	0	4·38	150
	Warsop	9 9 9	150	62·1	41·9	52·0	–	78	3	30	7	–	–	2·15	98	·70	26	14	10	0	0	0	0	10	1	4	3	4·20	–
	Finningley ...	21–9 9	34	63·1	45·7	54·4	–	80	3	36	7	–	–	1·75	–	·64	26	11	9	0	0	0	0	7	0	0	0	4·29	– S
	Langar	21–9 9	106	64·4	45·4	54·9	–	79	3	32	29,30	–	–	1·47	–	·39	26	12	8	0	0	0	0	4	2	4	0	–	–
Leicester	Leicester (Towers)	9 9 9	267	64·4	46·0	55·2	–	81	3	33	29	55·8	57·9	–	–	–	–	–	–	0	0	0	0	5	0	1	5	4·71	–
	Caldecott ...	9 9 9	175	64·5	42·0	53·3	–	81	3	30	30	–	–	1·28	–	·50	26	12	6	0	0	0	0	5	1	9	–	4·58	–
Northampton	Wellingborough	9 9 9	298	63·4	45·1	54·3	–	79	3	35	29	–	–	1·72	–	·82	26	13	10	0	0	0	0	4	0	1	2	–	–
	Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Raunds	9 9 9	193	64·3	43·8	54·1	–	80	3	33	30	53·9	56·4	1·83	89	·86	26	13	11	0	0	0	0	3	0	1	2	–	–
	Wittering ...	21–9 9	216	63·6	45·6	54·6	–	78	3	33	30	–	–	1·10	–	·37	26	12	8	0	0	0	0	5	0	1	0	5·31	–
Warwick	Birmingham ¶§	21–9 9	536	61·3	48·1	54·7	+4·7	77	3	36	29	54·0	55·7	3·00	104	·77	26	12	11	0	0	0	0	4	0	1	0	4·21	145
	Luddington ...	9 9 9	138	63·5	45·4	54·5	–	79	3	32	29	–	–	2·36	104	·74	26	14	10	0	0	0	0	3	1	2	2	4·55	–
	Stratford on Avon	9 9 9	160	64·1	45·2	54·7	–	80	3	33	30	55·2	–	2·39	–	·78	26	13	10	0	0	0	0	3	0	5	2	4·19	–
	Elmdon	21–9 9	319	62·5	44·5	53·5	–	78	3	34	16,29	–	–	2·47	98	·80	26	13	10	0	0	1	0	5	0	3	1	4·52	–
	Shipston on Stour	9 9 9	365	62·5	46·5	54·5	–	79	3	35	29,30	53·5	–	2·20	–	·65	26	14	9	0	0	0	0	2	0	2	–	4·21	–
	Wellesbourne ...	9 9 9	153	63·0	44·8	53·9	–	79	3	34	29,30	54·6	57·4	2·33	99	·72	26	13	11	0	0	0	0	2	0	3	2	4·55	–
	Moreton Morrell	9 9 9	280	62·9	46·2	54·5	–	79	3	33	29	–	–	2·25	–	·69	26	13	11	0	0	0	0	1	0	2	4	4·31	–
	Coventry... ...	9 9 9	338	62·4	46·2	54·3	+4·5	78	3	35	29	53·8	55·8	2·43	99	·61	26	11	9	0	0	0	0	2	0	–	2	4·66	159
	Rugby	9 9 9	385	62·1	46·7	54·4	–	83	3	33	29	54·0	57·3	2·57	–	·73	26	14	12	0	0	0	0	–	0	2	0	4·09	–
Oxford	Oxford ... ¶§	9 9 9	208	63·2	46·1	54·7	+3·9	78	3	35	29,30	55·7	58·8	1·93	77	·46	26	15	11	0	0	0	0	3	0	2	2	4·65	139
Buckingham	Aylesbury ...	9 9 9	316	62·4	46·4	54·4	–	77	3	31	28	–	–	1·92	–	·59	26	13	11	0	0	0	0	6	1	4	2	5·27	–
	Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford	Keele	9 9 9	587	61·4	46·7	54·1	–	76	3	33	29	53·6	56·0	1·86	54	·42	20	14	11	0	0	0	2	4	0	2	0	4·43	–
	Oaken	9 9 9	409	62·0	44·1	53·1	–	77	3	30	29	52·8	–	2·61	–	·35	26	13	11	–	–	–	–	1	5	–	–	–	–
	Wheaton Aston ...	9 9 9	365	61·8	44·5	53·1	–	(77)	3	29	29	53·5	54·6	2·29	–	·45	26	12	12	0	0	0	1	4	1	5	–	4·05	–
	Stone	9 9 9	350	62·3	45·6	53·9	–	77	3	32	29	–	–	1·84	–	·49	26	13	12	0	0	0	1	4	1	6	1	3·85	– S
	Penkridge ...	9 9 9	330	61·7	44·7	53·2	–	74	4	31	29	–	–	2·16	–	·44	26	14	10	0	0	0	1	4	1	4	4	–	–
	Onecote	9 9 9	1350	58·0	43·7	50·9	–	72	3	28	29	49·0	51·9	4·12	–	·90	26	11	11	0	0	0	0	5	1	2	0	3·86	–
Shropshire	Oswestry... ...	9 9 9	570	60·4	46·0	53·2	–	74	3	37	29,30	–	–	2·57	–	·71	26	13	11	0	0	1	1	5	0	0	0	3·69	–
	Shrewsbury ...	9 9 9	184	62·7	45·6	54·1	–	77	3	31	29	55·5	59·0	2·17	82	·46	26	16	12	0	0	1	0	5	1	3	2	3·67	–
	Shawbury ...	21–9 9	235	62·4	44·7	53·5	–	77	3	32	29	–	–	2·22	83	·41	20	15	11	0	0	2	1	6	1	6	0	4·10	–
	Newport ...	9 9 9	211	62·0	44·6	53·3	–	77	3	28	29	–	–	2·49	93	·39	20	14	12	1	0	1	1	4	1	5	3	3·71	– S
Worcester	Malvern	9 9 9	203	63·1	48·0	55·5	+4·9	78	3	36	29	55·9	58·4	2·38	84	·87	26	14	8	0	0	0	0	3	0	0	1	4·24	125 S
	Worcester (Redhill)	9 9 9	190	63·0	46·3	54·7	–	78	3	35	29	–	–	2·28	99	·80	26	13	10	0	0	0	0	1	0	3	1	4·28	–
	Droitwich ...	9 9 9	106	62·9	45·9	54·4	–	79	3	33	29	–	–	2·76	–	·68	26	12	11	0	0	0	0	8	0	–	0	–	–
	Pershore (Institute of Horticulture)	9 9 9	130	63·2	47·5	55·3	–	79	3	33	29	–	–	2·34	–	·74	26	13	10	0	0	0	0	2	0	2	–	4·66	–
	Pershore	21–9 9	110	63·4	46·6	55·0	–	79	3	31	29	–	–	2·50	–	·67	26	14	9	0	0	0	1	1	1	2	0	4·42	–
	Halesowen ...	9 9 9	505	61·7	45·1	53·4	–	78	2	31	29	54·5	56·4	2·82	–	·64	26	13	11	0	0	0	0	5	1	1	0	4·45	–
Hereford	Lyonshall ...	9 9 9	510	60·8	44·8	52·8	–	76	3	36	16,29	–	–	3·30	–	·95	26	15	12	–	–	–	–	–	0	4	–	–	–
	Ross-on-Wye ¶§	21–9 9	223	63·0	46·9	54·9	+4·3	78	3	34	29	54·5	57·8	1·89	67	·51	26	14	8	0	0	1	0	3	0	2	1	4·24	136
	Preston Wynne ...	9 9 9	274	62·3	44·3	53·3	–	77	3	30	29	–	–	1·97	–	·38	17	14	11	0	0	0	0	4	2	4	1	4·42	–
Gloucester	Bristol (Filton) ...	21–9 9	192	63·1	48·3	55·7	–	78	3	38	29	–	–	3·29	101	1·09	26	15	13	0	0	0	0	2	0	1	0	4·37	–
	Ruscombe ...	9 9 9	610	61·8	46·6	54·2	–	77	3	32	29	–	–	2·18	70	·68	26	15	11	0	0	0	0	3	1	–	1	–	–
	Cirencester ...	9 9 9	443	61·9	45·2	53·5	–	77	3	32	30	–	–	2·16	66	·98	26	13	10	0	0	0	0	2	1	6	–	4·26	–
	Little Rissington	21–9 9	740	60·5	46·6	53·5	–	76	3	34	29	–	–	2·08	71	·69	26	16	9	0	0	0	0	5	0	1	1	4·00	–
5	ENGLAND, S.E.																												
London	Kensington ...	9 9 9	81	64·2	49·1	56·7	+4·2	80	3	36	30	57·5	60·0	1·78	76	·67	26	12	9	0	0	0	0	0	0	2	1	–	–
	Hampstead ...	9 9 9	450	62·4	48·4	55·4	+5·2	78	3	32	30	–	–	2·01	78	·70	26	13	11	0	–	0	0	–	1	1	3	5·22	161
	Westminster ...	9 9 9	27	–	50·3	–	–	–	–	37	30	–	–	1·84	83	·71	26	12	8	0	–	0	0	–	0	–	–	–	–
	Regent's Park ...	9 9 9	129	64·1	48·9	56·5	–	80	3	36	30	–	–	1·95	–	·75	26	11	8	–	0	–	–	1	0	1	–	4·80	179
	Camden Square ...	9 9 9	121	63·6	49·6	56·6	+4·2	79	3	38	29,30	57·5	62·5	2·01	85	·78	26	12	10	0	0	0	0	–	0	–	–	–	–
	Kingsway ...	—	—																									4·81	–
	Bunhill Row ...	—	—																									4·55	178
	Greenwich (Maritime Museum)	9 9 9	24	64·9	47·4	56·1	–	79	1,3,4	36	30	–	–	1·86	89	·84	26	12	9	0	0	0	0	0	0	–	0	4·60	–
Middlesex	London Airport	21–9 9	82	64·1	47·6	55·9	–	81	3	34	30	–	–	1·85	79	·59	26	13	7	0	0	0	0	2	0	3	3	4·84	–
	Hampton ...	9 9 9	39	64·0	48·2	56·1	–	81	3	36	30	–	–	1·96	–	·67	26	14	10	0	0	0	0	2	0	1	2	5·17	–
	Wealdstone ...	9 9 9	175	63·4	46·6	55·0	+3·9	78	3	29	30	54·6	57·6	2·30	89	·64	10	13	10	0	0	0	0	1	1	6	0	4·75	–
	Southgate ...	9 9 9	221	63·5	47·5	55·5	–	79	3	36	30	55·6	–	1·79	–	·71	26	13	8	0	0	0	0	2	0	1	0	4·69	–
Surrey	Farnham... ...	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Wisley	9 9 9	150	63·3	45·0	54·1	+3·2	79	3	32	30	54·7	57·7	3·29	130	·81	26	15	12	0	0	0	0	3	1	5	3	5·08	165
	Great Bookham	9 9 9	466	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Mickleham ...	9 9 9	179	63·7	43·8	53·7	–	83	3	28	30	–	–	2·83	100	·94	26	13	10	0	0	0	0	2	2	5	2	–	–
	Kew Observatory ¶§	21–9 9	18	63·2	49·1	56·1	+4·5	78	3	37	30	55·3	58·4	1·87	83	·74	26	13	9	0	0	0	0	2	0	3	0	5·15	166
	Gatwick	21–9 9	194	63·7	42·8	53·3	–	80	3	29	30	–	–	3·51	–	·92	26	15	10	0	0	0	0	2	2	3	1	5·54	–
	Croydon (Waddon)	9 9 9	220	63·6	47·6	55·6	+4·0	79	3	37	28,29	–	–	2·22	83	·88	26	13	10	–	–	–	–	–	0	–	–	–	–
	Addington ...	9 9 9	474	62·3	48·1	55·2	+4·7	77	1,3	35	30	–	–	2·43	84	·98	26	12	9	–	–	–	–	1	0	–	–	–	–
Kent	Bromley	9 9 9	213	63·6	47·3	55·5	+4·0	79	3	35	30	–	–	2·10	84	·90	26	13	9	0	0	0	0	3	0	–	2	–	–
	Swanley	9 9 9	177	63·5	44·1	53·8	–	78	3	32	30	55·6	–	2·02	–	·87	26	11	9	0	0	0	0	2	1	2	1	4·48	–
	Dartford	9 9 9	17	65·0	45·0	55·0	–	82	3	32	30	–	–	1·78	–	·81	26	10	8	0	0	0	0	2	1	–	0	–	–
	Tunbridge Wells	9 9 9	351	62·5	44·4	53·5	+3·1	78	3	29	30	53·1	57·3	2·59	80	·91	26	12	9	0	0	0	0	2	1	2	2	5·05	139
	West Malling ...	21–9 9	304	63·0	45·7	54·3	–	81	3	32	30	–	–	3·02	107	1·05	26	13	10	0	0	0	0	3	1	1	1	5·39	–
	Goudhurst ...	9 9 9	290	62·5	43·7	53·1	–	77	3	30	30	–	–	3·56	98	1·36	26	13	10	0	0	0	0	1	2	10	3	–	–
	East Malling ¶§	9 9 9	122	64·4	42·8	53·6	+3·4	80	3	32	30	–	58·2	2·87	101	1·16	26	14	9	0	0	0	0	2	1	2	1	5·45	159

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	64·0	45·4	54·7	–	79	2	37	30	–	–	2·22	–	·83	26	15	9	0	0	0	0	1	0	–	1	5·35	–
	Sittingbourne ...	9 9 9	224	63·1	45·0	54·1	–	78	3	35	30	54·6	58·1	2·45	–	·97	26	13	11	0	0	0	0	0	0	3	2	5·71	–
	Isle of Grain ...	9 9 9	9	62·6	49·6	56·1	–	77	2	37	30	–	–	2·20	–	·79	26	13	10	0	0	0	0	1	0	0	0	5·19	–
	Throwley ...	9 9 9	493	62·0	46·3	54·1	–	77	3	34	30	54·9	57·4	3·40	–	1·26	26	14	11	0	0	0	0	0	0	2	3	5·71	–
	Faversham ...	9 9 9	157	63·6	45·7	54·7	–	83	3	34	30	55·1	58·3	2·53	–	·86	26	14	11	0	0	0	0	2	0	1	1	5·82	–
	Dungeness ...	21-9 9	10	61·9	51·1	56·5	–	72	3	33	30	–	–	3·22	105	·99	26	15	10	0	0	0	0	0	0	–	5	–	–
	Wye	9 9 9	185	63·1	46·2	54·7	+3·9	78	3	33	30	–	–	2·87	84	·93	26	15	11	0	0	0	0	1	0	2	1	5·68	156
	Whitstable ...	9 9 9	9	63·7	47·6	55·7	–	78	2,3	37	30	–	–	2·08	84	·96	26	12	9	0	0	0	0	0	0	–	3	5·54	–
	Folkestone ...	9 9 9	128	62·9	51·7	57·3	–	75	3	37	30	–	61·3	3·04	99	·92	26	13	10	0	0	0	0	0	0	3	3	5·78	–
	Wingham (Elmstone)	9 9 9	28	63·4	42·9	53·1	–	79	2	34	28,30	–	–	2·81	–	·98	26	13	12	0	0	0	0	0	0	0	1	–	–
	Herne Bay ...	9 9 9	21	63·1	49·9	56·5	–	79	2	37	30	–	–	2·52	97	·97	26	15	9	0	0	0	0	1	0	–	0	5·63	–
	Dover	9 9 9	19	62·5	50·4	56·5	+3·3	73	3	37	30	60·1	62·8	3·36	101	·85	26	12	10	0	0	0	0	0	0	0	2	5·73	–
	Ramsgate ...	9 9 9	80	61·8	52·5	57·1	–	70	2,3	37	30	–	–	2·79	104	·95	26	12	9	0	0	0	0	0	0	–	–	5·46	145
	Margate	9 9 9	51	61·7	52·2	56·9	+3·2	75	2	39	30	56·8	59·9	2·37	96	·97	26	12	10	0	0	0	0	0	0	0	4	5·85	156
Sussex	Thorney Island ...	21-9 9	10	63·5	48·7	56·1	–	76	3	34	30	–	–	2·69	–	·81	26	11	10	0	0	0	0	0	0	1	2	5·40	–
	Bognor Regis ...	9 9 9	24	61·9	50·0	55·9	+3·2	69	2	36	30	–	60·5	2·98	97	1·24	26	12	10	0	0	0	0	0	0	0	0	5·50	140
	Fernhurst ...	9 9 9	188	63·0	42·9	52·9	–	78	3	29	30	54·8	–	3·28	–	1·25	26	13	11	0	0	0	0	2	1	3	1	5·12	–
	Littlehampton ...	9 9 9	15	62·3	49·6	55·9	+3·4	72	3	35	30	–	59·4	3·02	100	1·05	26	11	9	0	0	0	0	0	0	–	0	5·65	145
	Worthing ...	9 9 9	25	62·6	50·6	56·6	+3·7	71	3	35	30	56·6	59·7	2·25	76	·80	26	12	7	0	0	0	0	0	0	1	4	5·45	136
	Brighton ...	9 9 9	32	63·0	51·4	57·2	–	74	3,4	38	29,30	–	60·5	2·96	104	1·04	26	14	9	0	0	0	0	0	0	0	3	5·31	–
	East Grinstead ...	9 9 9	440	64·1	43·2	53·7	–	80	3	31	30	–	58·6	3·81	–	1·20	26	12	10	0	0	0	0	1	1	4	2	–	–
	Seaford	9 9 9	45	62·3	49·8	56·1	–	75	3	33	30	–	–	3·28	104	1·39	26	13	10	–	–	–	–	0	0	–	–	5·09	–
	Eastbourne ...	9 9 9	35	62·3	51·3	56·8	+3·6	70	1,2,3	38	29	58·6	61·4	4·21	118	1·50	26	14	11	0	0	0	0	0	0	0	–	5·54	141
	Eastbourne (C/guard)	21-9 9	17	62·8	50·8	56·8	–	74	3	36	30	–	–	4·43	–	1·57	26	13	10	0	0	0	0	0	0	0	1	–	–
	Hankham ...	9 9 9	68	63·1	46·4	54·7	–	78	3	33	30	56·0	57·5	4·34	–	1·73	26	16	11	0	0	1	1	0	0	6	2	5·56	–
	Bexhill	9 9 9	14	62·1	51·3	56·7	+3·9	74	3	34	30	57·7	–'	3·95	123	1·55	26	14	10	0	0	0	0	0	0	1	3	5·18	–
	Sedlescombe ...	9 9 9	175	62·7	45·9	54·3	–	77	3	35	30	–	–	4·01	–	1·50	26	13	9	0	0	0	0	1	0	5	3	–	–
	Bodiam	9 9 9	73	63·5	42·4	52·9	–	78	3	32	26	54·7	57·3	3·78	–	1·45	26	15	8	–	0	–	–	2	1	4	–	5·07	–
	Hastings ¶§	9 9 9	149	62·4	51·9	57·1	+4·1	75	3	36	30	56·8	60·3	3·43	106	1·17	26	15	12	0	0	0	0	0	0	0	4	5·72	146
Berkshire	Abingdon ...	21-9 9	210	63·7	45·9	54·8	–	79	3	31	30	–	–	1·75	71	·51	26	14	7	0	0	0	0	2	1	2	0	4·70	–
	Woolhampton ...	9 9 9	370	62·7	45·7	54·2	–	78	3	34	30	55·1	–	2·73	103	·72	26	14	9	0	0	0	0	6	0	3	0	–	–
	Shinfield	9 9 9	200	63·0	45·9	54·5	+4·0	78	3	34	30	–	–	2·44	–	·74	26	16	10	0	0	0	0	5	0	2	4	4·89	–
	Reading ... *	9 9 9	148	63·7	46·7	55·2	+3·9	80	3	34	30	56·0	59·4	2·62	101	·58	26	16	10	–	–	–	–	–	0	3	–	4·18	–
	Finchampstead ...	9 9 9	212	63·3	42·7	53·0	–	79	3	30	30	55·3	57·7	2·24	–	·60	26	15	9	0	0	0	0	3	1	5	0	4·73	– S
	Wokingham ...	9 9 9	200	63·8	41·3	52·5	–	(79)	3	29	30	55·7	58·1	2·41	–	·67	26	15	11	0	0	0	0	3	1	–	0	–	–
	Hurley	9 9 9	140	63·1	44·4	53·7	–	79	3	31	30	54·2	–	3·12	–	·60	10	17	9	0	0	0	0	3	1	1	4	4·46	–
Hampshire	Bournemouth ...	9 9 9	130	62·9	49·3	56·1	+4·0	73	3	37	29	56·8	59·1	3·21	93	·95	26	13	10	0	0	0	0	0	0	–	0	5·45	147
	Christchurch ...	9 9 9	9	63·6	47·1	55·3	–	73	4	29	30	–	–	3·95	–	·98	26	11	11	0	0	0	0	0	1	3	2	–	–
	Ringwood ...	9 9 9	250	62·9	48·4	55·7	–	79	3	33	30	54·3	57·3	3·59	–	·81	26	13	11	0	0	0	0	0	0	4	1	–	–
	Everton (Efford)	9 9 9	51	62·9	48·7	55·8	–	72	4	36	30	–	–	3·00	–	·74	26	13	11	0	0	0	0	0	0	1	2	5·45	–
	Southampton ¶§	9 9 9	65	64·9	48·0	56·5	+4·4	75	3,4	34	30	57·0	60·7	3·09	93	1·04	26	15	11	0	0	0	0	0	0	2	1	5·21	143
	Leckford... ...	9 9 9	385	62·5	46·0	54·3	–	78	3	34	29,30	54·1	–	3·43	99	·98	26	15	13	–	0	–	–	1	0	–	–	4·99	–
	Winchester ...	9 9 9	124	63·6	44·8	54·2	–	78	3	29	30	–	53·4	3·06	95	·92	26	14	11	0	0	0	0	2	2	0	4	4·63	– S
	Martyr Worthy ...	9 9 9	275	63·3	45·5	54·4	–	79	3	30	30	–	–	2·26	–	·93	26	10	9	0	0	0	0	0	1	6	1	5·39	–
	Southsea ...	9 9 9	7	62·6	52·5	57·5	+4·0	71	3	39	29	57·8	61·0	2·57	85	·72	26	13	10	0	0	0	0	0	0	1	4	5·55	142
	Hayling Island ...	9 9 9	13	62·0	51·0	56·5	–	71	3,4	38	29,30	–	–	2·35	–	·93	26	11	9	0	0	0	0	0	0	–	3	5·65	–
	Long Sutton ...	9 9 9	512	–	45·0	–	–	–	–	32	29	53·3	–	2·96	92	1·10	26	14	10	0	0	0	0	5	1	6	1	4·55	135 S
	Alice Holt Lodge	9 9 9	378	62·9	44·3	53·6	–	78	3	33	30	–	–	2·89	91	1·28	26	15	10	0	0	0	0	4	0	5	2	4·74	–
	S. Farnborough ...	21-9 9	226	63·5	44·6	53·9	+3·2	79	3	32	30	–	–	2·39	93	·65	26	13	9	0	0	0	0	4	1	3	0	4·76	137
	Blackbushe ...	21-9 9	325	63·0	46·7	54·9	–	78	3	33	29,30	–	–	2·29	–	·71	26	13	9	0	0	0	0	3	0	3	1	–	–
I. of Wight	St. Catherine's Pt.	9 9 9	51	62·6	54·9	58·7	+5·4	70	1,3	38	29	–	–	2·99	88	1·05	26	14	10	0	0	0	0	0	0	–	3	–	–
	Ventnor Park ...	9 9 9	443	63·1	53·4	58·3	–	73	2	37	29	58·7	59·7	4·16	112	1·44	26	14	12	0	0	0	0	0	0	0	1	5·64	–
	Shanklin	9 9 9	180	61·8	51·6	56·7	–	70	1,2	38	29	–	–	4·63	–	1·69	26	12	12	0	0	0	0	0	0	–	3	5·75	–
	Sandown ...	9 9 9	13	63·3	53·4	58·3	+4·7	72	3	37	30	–	–	3·98	115	1·56	26	13	11	0	0	0	0	0	0	–	–	5·58	141
	Ryde	9 9 9	15	62·5	52·4	57·5	+4·2	72	1	40	29	–	–	3·14	93	1·28	26	14	11	0	0	0	0	0	0	–	2	5·17	133
Wiltshire	Lacock (Lackham)	9 9 9	160	63·0	42·3	52·7	–	77	3	28	29	–	–	2·07	–	·78	26	12	10	–	0	–	–	2	2	–	–	–	–
	West Lavington	9 9 9	305	64·3	44·9	54·6	–	79	3	30	30	–	–	2·14	68	·66	26	14	12	0	0	0	0	2	2	–	0	–	–
	Lyneham ...	21-9 9	457	62·0	46·4	54·2	–	77	3	33	29	–	–	2·06	72	·68	26	13	9	0	0	1	0	2	0	2	0	4·43	–
	Larkhill	9 9 9	431	62·1	46·7	54·4	+4·4	76	3	32	30	–	–	2·63	86	·71	26	13	13	0	0	0	0	4	1	0	2	–	–
	Boscombe Down	21-9 9	414	62·5	45·9	54·2	–	77	3	33	29,30	–	–	2·74	94	·63	26	13	12	0	0	0	0	3	0	2	1	4·78	–
	Upavon	21-9 9	578	61·7	47·0	54·3	–	77	3	33	30	–	–	2·40	–	·56	26	14	11	0	0	0	0	3	0	2	2	–	–
	Porton ... ¶§	9 9 9	362	62·6	45·7	54·1	+4·3	78	3	32	30	54·1	–	2·98	97	·71	26	14	13	0	0	0	0	2	1	6	3	4·86	138
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	61·5	51·0	56·3	–	74	4	35	29	–	–	5·45	115	1·34	17	17	14	–	0	–	–	0	0	1	–	3·79	–
	Silloth	21-9 9	25	60·4	47·8	54·1	–	76	4	37	29	–	–	4·57	120	1·68	26	14	12	0	0	0	0	0	0	1	2	3·71	–
	Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Newton Rigg ...	9 9 9	560	59·7	44·9	52·3	+4·8	73	3	30	29	–	–	4·07	107	1·21	26	15	13	–	0	–	–	7	1	1	–	3·90	142
Westmorland	Ambleside ...	9 9 9	151	61·1	44·7	52·9	–	73	3,4	35	29	–	–	9·73	117	2·56	26	16	13	0	0	1	0	0	0	–	0	3·04	– S
	Moor House ...	9 9 9	1840	54·5	40·7	47·6	–	70	3	23	29	48·2	–	7·83	–	2·67	26	15	13	1	0	2	0	3	4	4	4	3·63	–
Lancashire	Barrow-in-Furness	9 9 9	55	62·3	50·3	56·3		74	4	37	29	–	–	4·93		1·20	17	15	12	0	0	1	0	1	0	–	0	–	–
	Squires Gate ...	21-9 9	33	63·0	48·1	55·5	–	78	3	30	29	–	–	3·57	97	·83	26	16	13	0	0	0	0	3	1	1	2	3·93	–
	Urswick	9 9 9	130	61·5	48·1	54·8	–	73	3	28	29	–	–	5·77	–	1·25	17	15	14	0	0	0	0	2	1	–	4	–	–
	Poulton-le-Fylde	9 9 9	38	62·6	48·3	55·5	–	77	3	30	29	–	–	4·08	–	1·00	26	17	14	0	0	0	0	1	2	–	0	–	–
	Speke	21-9 9	80	62·7	49·5	56·1	–	76	3,4	35	29	–	–	2·78	–	·66	26	14	10	0	0	1	1	3	0	1	1	3·55	–
	Kirkham ...	9 9 9	77	63·2	48·4	55·8	–	77	3	28	29	–	–	3·90	94	·92	26	15	12	0	0	1	0	0	1	1	0	4·21	–
	Garstang ...	9 9 9	68	62·3	48·5	55·4	–	76	3	27	29	–	–	3·85	–	1·03	26	15	12	–	0	–	–	0	1	2	1	3·94	–
	Morecambe ...	9 9 9	24	62·1	50·2	56·1	+5·6	77	3	33	29	–	–	3·77	90	·92	26	14	13	0	0	0	0	0	0	–	0	3·87	123
	Preston (Moor Pk.)	9 9 9	108	62·5	48·7	55·6	–	76	3	29	29	–	–	4·09	96	1·46	26	14	9	0	0	0	0	1	1	1	2	–	–
	Bolton	9 9 9	352	61·7	46·6	54·1	+4·6	77	3	31	29	52·8	54·5	5·19	–	1·97	26	16	12	0	0	0	0	5	1	1	0	3·97	173

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a ENGLAND, N.W.—cont.																												
Lancashire— Darwen	9 9 9	724	60·2	46·4	53·3	+5·1	75	3	31	29	52·2	–	6·22	106	2·18	26	15	13	0	0	0	0	0	1	1	0	–	–
cont. Stonyhurst ¶§	9 9 9	377	61·1	47·9	54·5	+5·5	74	3	35	29	–	–	5·74	108	2·18	26	13	11	0	0	1	0	1	0	1	0	4·00	142
Helmshore ...	9 9 9	854	59·8	47·0	53·4	–	74	3	34	29	52·2	–	6·55	–	2·16	26	16	14	0	0	0	0	3	0	1	0	4·16	–
Burnley	9 9 9	655	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Nelson	9 9 9	540	60·3	46·5	53·4	–	75	3	33	29	52·5	54·8	5·19	106	1·78	26	16	12	–	0	–	–	0	0	1	–	3·82	– S
Rochdale ...	9 9 9	362	61·5	45·2	53·3	–	75	3	32	29	–	–	4·95	–	2·04	26	15	12	0	0	0	0	5	1	2	0	3·85	–
Cheshire West Kirby Park	9 9 9	17	62·5	49·3	55·9	–	76	3, 4	34	29	–	–	3·41	–	·85	26	13	13	0	0	1	0	–	0	0	1	3·98	–
Bidston Obs'y. ¶§	9 9 9	198	60·9	49·7	55·3	+4·9	74	3	40	29	–	–	2·80	93	·74	26	15	13	0	–	2	0	2	0	0	1	3·85	124
Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Northwich(Winnington)	9 9 9	65	63·3	48·4	55·9	–	79	3	35	29	–	–	2·68	86	1·03	26	10	9	0	0	0	1	1	0	1	2	–	–
Manchester Airport ¶§	21–9 9	248	63·4	48·3	55·9	+7·0	78	3	32	29	–	–	3·01	93	1·30	26	13	10	0	0	1	2	1	1	1	0	4·40	173
Macclesfield ...	9 9 9	500	61·8	48·4	55·1	+6·3	77	3	31	29	–	–	3·46	96	1·23	26	13	11	0	0	1	2	0	1	–	2	–	–
7b NORTH WALES																												
Flint Rhyl	9 9 9	31	62·8	49·6	56·2	+4·7	78	3	40	30	–	–	2·76	93	·55	26	16	13	0	0	2	1	0	0	0	5	3·97	125
St. Asaph ...	9 9 9	75	63·3	47·8	55·5	–	78	3	34	16	–	–	3·18	–	·63	17	17	13	0	0	2	2	0	0	4	1	–	–
Prestatyn ...	9 9 9	12	63·5	49·4	56·5	–	79	3	42	15,16,30	–	–	2·96	96	·58	26	15	13	2	0	0	1	0	0	–	2	3·37	–
Hawarden Bridge	9 9 9	17	62·9	46·8	54·9	+4·2	77	4	34	29	–	–	2·36	82	·37	17	15	13	0	0	2	1	3	0	–	1	–	–
Anglesey Holyhead (Valley)	21–9 9	26	62·2	51·4	56·8	+4·2	77	4	43	29	–	–	5·24	136	1·75	17	19	15	0	0	3	1	0	0	0	3	3·82	116
Denbigh Colwyn Bay ...	9 9 9	118	63·6	51·6	57·6	+5·7	78	3	44	16, 30	–	–	3·36	102	1·07	17	15	14	0	0	2	2	0	0	–	0	4·18	137
Alwen	9 9 9	1100	60·8	38·7	49·7	–	74	3	27	15	–	–	6·08	–	1·09	26	17	16	–	–	–	–	–	5	4	–	–	–
Bwlchgwyn ...	9 9 9	1267	57·1	45·0	51·1	–	70	2	33	29	51·9	–	4·56	–	·98	16	16	13	0	0	1	0	4	0	1	1	–	–
Ruabon	9 9 9	312	62·5	45·4	53·9	–	78	3	36	30	–	–	3·00	–	·67	27	14	12	1	0	2	1	6	0	2	2	3·45	– S
Wrexham ...	9 9 9	275	62·3	45·7	54·0	–	77	3	34	29	52·9	55·9	2·77	–	·50	26	14	12	0	0	1	1	7	0	2	0	–	–
Caernarvon Bryn Adda ...	9 9 9	275	62·0	50·9	56·5	–	77	3	40	28,30	–	–	6·31	–	1·63	17	19	17	0	0	0	2	0	0	0	3	3·73	–
Aber	9 9 9	60	62·4	50·7	56·5	+4·4	75	4	42	28,29	–	–	7·22	154	2·16	17	19	17	0	0	2	2	0	0	–	3	3·32	121 S
Llandudno ¶§	9 9 9	13	62·7	51·6	57·1	+4·7	76	3,4	43	29	–	–	3·97	123	1·29	17	17	14	0	0	3	2	0	0	–	2	4·03	127
Merioneth Harlech	21–9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Blaenau Ffestiniog	9 9 9	750	60·1	48·9	54·5	–	76	3	39	28,29	–	–	11·90	–	2·41	26	20	16	0	0	2	1	0	0	–	2	2·95	–
Corwen	9 9 9	473	61·4	42·0	51·7	–	76	3,4	30	15	–	–	5·51	–	1·33	26	16	12	0	0	1	1	–	4	0	–	–	–
Montgomery Lake Vyrnwy ...	9 9 9	995	58·0	44·5	51·3	–	71	3	32	29	–	–	8·63	122	2·64	26	18	15	1	0	1	1	3	1	2	3	–	–
8a SOUTH WALES																												
Cardigan Aberporth ...	21–9 9	376	60·9	51·6	56·3	–	77	3	42	28	–	–	6·20	133	1·19	17	19	17	0	0	3	2	0	0	0	3	3·68	–
Aberystwyth ...	9 9 9	12	62·2	52·2	57·2	–	78	3	36	29	–	–	6·43	–	1·27	26	19	16	0	0	4	3	0	0	–	7	3·75	115
,, P.B.S.*	9 9 9	452	61·6	50·3	55·9	–	77	3	37	28,29	–	–	5·50	–	·94	17	18	15	0	0	2	2	0	0	1	3	3·70	117
Gogerddan ...	9 9 9	103	62·9	48·4	55·7	–	79	3	33	29	–	–	6·62	147	1·35	26	19	17	0	0	1	2	0	0	1	3	3·77	– S
Swyddffynnon ...	9 9 9	540	61·1	47·2	54·1	–	77	3	31	29	–	–	9·28	–	1·77	26	17	17	0	0	1	3	0	1	2	0	–	–
Trawscoed ...	9 9 9	200	62·5	47·8	55·1	–	78	4	29	29	–	–	5·87	112	1·31	26	18	15	0	0	0	0	1	5	0	3	3·39	–
Llety-evan-hen ...	9 9 9	950	59·0	46·8	52·9	–	74	3	32	28	–	–	8·59	–	1·73	26	17	17	0	0	1	1	3	0	1	3	3·52	–
Pembroke Dale Fort ...	9 9 9	109	61·0	53·3	57·1	–	73	3	46	29	–	–	5·82	–	2·03	17	17	14	0	0	0	0	0	0	0	4	3·81	–
Brawdy	9 9 9	360	60·1	50·3	55·2	–	74	3	43	28	–	–	8·04	–	2·20	17	16	13	0	0	0	0	0	0	0	3	3·61	–
Milford Haven ...	9 9 9	179	61·2	51·2	56·2	–	74	3	42	29	–	–	6·61	–	1·82	17	16	13	0	0	1	1	0	0	–	3	3·77	–
Haverfordwest ...	9 9 9	131	61·7	50·4	56·1	+5·0	75	3	39	29	–	–	8·46	166	2·20	17	16	15	0	0	0	0	0	0	–	2	–	–
Radnor Llandrindod Wells ¶§	9 9 9	772	60·2	44·3	52·3	+3·8	74	3	33	29	–	–	4·75	112	1·31	26	15	13	0	0	0	0	0	0	–	0	3·95	139
Brecknock Llwynon ...	9 9 9	860	59·9	43·2	51·5	–	73	3	32	29	–	–	7·69	–	1·70	26	17	15	0	0	0	0	2	0	–	0	–	–
Glamorgan Mumbles Head ...	21–9 9	117	61·4	52·5	56·9	–	71	3	40	28,29	–	–	–	–	–	–	–	–	0	0	1	2	0	0	0	6	–	–
Swansea	9 9 9	27	62·6	51·9	57·3	+4·2	74	3	38	29	57·4	60·7	6·67	142	1·39	26	17	14	0	0	0	3	0	0	0	1	3·99	119
Port Talbot ...	9 9 9	24	63·8	51·6	57·7	–	78	3	36	30	–	–	5·24	–	1·26	26	15	14	0	0	1	0	0	0	0	1	–	–
Neath	9 9 9	153	62·8	51·3	57·1	–	77	3	39	30	–	–	7·46	–	1·54	26	18	15	0	0	0	0	0	0	0	1	–	–
Rhoose	21–9 9	220	61·9	49·1	55·5	–	76	3	34	29	–	–	4·67	120	·88	26	16	13	0	0	1	0	2	0	1	1	4·46	–
Cardiff ... ¶§	9 9 9	202	62·9	48·5	55·7	+4·4	77	3	36	29	56·9	59·1	5·54	123	1·46	26	15	13	0	–	0	0	0	0	1	–	4·50	131
Monmouth Tredegar ...	9 9 9	1028	59·9	44·3	52·1	–	73	3	31	29	–	–	6·26	–	1·55	26	14	13	0	0	0	1	3	0	8	1	4·13	– S
Newport	9 9 9	75	63·1	48·0	55·5	–	78	3	36	29	–	–	4·38	104	1·33	26	16	12	0	0	0	0	2	0	–	0	4·29	–
Usk	9 9 9	70	63·6	42·3	52·9	–	76	4	29	29	54·6	–	2·97	72	1·04	26	12	10	0	0	0	0	2	2	3	0	4·05	–
Crumbland Plantation	9 9 9	804	60·1	47·0	53·5	–	74	3	35	28	53·4	56·2	3·08	–	1·01	26	15	14	0	0	0	0	6	0	0	2	4·53	–
8b ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9 9 9	1030	58·5	46·9	52·7	–	71	3	36	30	–	–	7·11	–	1·45	26	17	16	–	–	–	–	–	0	0	–	–	–
Bickenhall ...	9 9 9	231	63·6	46·0	54·8	–	77	3	33	29	–	–	(3·33)	–	1·15	17	15	12	–	–	–	–	–	0	–	–	–	–
Cannington ...	9 9 9	95	64·0	49·2	56·6	–	78	3	41	30	–	–	3·42	108	·72	27	13	12	0	0	0	0	2	0	0	1	4·68	–
Weston-s.-Mare ...	9 9 9	28	63·4	49·8	56·6		78	3	41	28	–	–	3·37	94	·68	26	15	14	0	0	0	0	2	0	0	3	4·71	141
Long Ashton ...	9 9 9	162	63·4	47·1	55·3	+4·2	79	3	35	29	55·0	–	3·57	90	1·31	26	15	13	0	0	1	0	1	0	2	0	4·68	144
Bath ... ¶§	9 9 9	67	63·7	46·7	55·2	+3·8	78	3	32	30	56·2	58·5	2·82	87	·96	26	16	12	0	0	0	0	2	1	3	–	4·30	130 S
Dorset Portland Bill ...	21–9 9	35	61·9	56·0	58·9	+4·3	69	3	43	28,29	–	–	2·82	97	·52	21	15	13	0	0	0	0	0	0	–	4	–	–
Weymouth ...	9 9 9	16	63·5	52·3	57·9	+4·1	72	3	38	28	–	–	3·48	108	·90	26	14	12	0	0	0	0	0	0	–	2	5·29	141
Shaftesbury ...	9 9 9	680	60·4	47·9	54·1	+4·0	75	2	35	29	–	–	3·73	111	·65	23	12	11	–	–	–	–	1	0	–	0	–	–
Swanage	9 9 9	37	61·9	51·5	56·7	–	68	1, 3	36	29	–	60·3	3·67	–	1·03	26	12	11	0	0	0	0	0	0	0	2	5·28	–
Poole	9 9 9	18	63·8	47·7	55·7	–	75	3	31	30	–	–	2·93	–	·92	26	13	13	0	0	0	0	0	0	–	0	5·40	–
Devon Hartland Pt. ...	21–9 9	298	60·7	53·2	56·9	–	76	3	46	28,29	–	–	4·29	–	·86	6	19	17	0	0	2	0	0	0	0	5	3·50	–
Plymouth (Mt. Batten)	21–9 9	87	62·0	51·8	56·9	+3·5	73	3	37	30	–	–	4·34	113	·76	9	18	13	0	0	1	1	0	0	0	3	4·09	111
Plymouth (The Hoe)	9 9 9	119	62·0	51·3	56·7	+3·2	73	3	37	30	57·4	59·6	3·82	100	·82	9	15	14	0	0	0	0	0	1	0	1	4·45	119
Tavistock ...	9 9 9	457	61·5	49·3	55·4	+4·0	75	3	34	30	–	59·7	5·40	–	1·00	24	19	16	–	–	–	–	0	0	–	0	–	–
Chivenor ...	21–9 9	20	63·3	52·0	57·7	–	78	3	40	30	–	–	4·88	–	·65	26	18	16	0	0	1	2	0	0	0	3	3·92	–
Ilfracombe ...	9 9 9	25	62·9	54·4	58·7	+4·7	76	3,4	46	28	57·5	59·9	6·01	138	1·20	26	18	17	0	0	0	0	0	0	0	2	3·92	123
Princetown ...	9 9 9	1359	55·9	47·1	51·5	–	68	3,4	37	29,30	–	–	9·34	103	1·51	17	19	17	0	0	0	1	6	0	0	0	–	–
**Totnes	9 9 9	120	62·6	45·3	53·9	–	73	3	33	30	55·6	57·5	4·42	97	·93	26	17	13	0	0	1	1	2	0	6	2	3·74	–
†Newton Abbot ...	9 9 9	272	61·8	49·5	55·7	+3·7	71	3	37	30	–	–	3·43	89	·83	17	17	11	0	0	0	1	1	0	0	0	4·39	122
Paignton... ...	9 9 9	8	62·5	50·7	56·6	–	70	3,4	39	30	–	–	3·52	96	·67	17	15	12	0	0	0	0	0	1	1	1	4·24	114
Torquay	9 9 9	26	62·3	51·3	56·8	+3·2	70	3	38	30	–	61·4	3·15	95	·53	26	15	12	0	0	0	0	1	2	0	1	2	4·39	115
Teignmouth ¶§	9 9 9	20	62·4	52·4	57·4	+3·9	69	3	39	30	–	–	3·12	96	·50	17	15	11	0	0	2	1	0	0	2	4·05	108	

¶§. § *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER OCTOBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b ENGLAND, S.W.—cont.																												
Devon—cont. Starcross... ...	9 9 9	29	61·9	48·5	55·2	–	71	3	36	30	–	–	3·00	–	·54	17	17	13	0	0	1	0	0	0	2	2	4·30	–
Exmouth ...	9 9 9	195	61·0	50·5	55·7	+3·6	69	3	38	28	–	–	2·73	85	·53	17	16	13	0	0	1	0	0	0	–	3	4·46	126
Exeter	21–9 9	106	62·7	48·3	55·5	–	74	3	35	30	–	–	2·48	77	·68	17	13	11	0	0	1	0	1	0	1	3	4·11	–
Uffculme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sidmouth ...	9 9 9	25	62·0	50·9	56·5	+3·8	69	3	35	29	–	–	3·28	–	·70	27	13	10	–	0	–	–	0	0	0	–	4·23	–
Cornwall St. Mary's, Scilly	21–9 9	158	61·7	54·2	57·9	+3·3	69	7	46	28	–	–	4·46	125	1·24	9	17	11	0	0	0	0	0	0	–	2	4·54	118
Penzance ...	9 9 9	62	62·5	52·7	57·6	+3·4	72	4	43	30	–	–	5·19	119	·72	9	19	16	0	0	2	0	0	0	–	3	4·45	118
Gulval	9 9 9	50	61·9	52·8	57·3	+3·7	72	4	43	30	–	–	5·11	–	·74	9	17	16	0	0	0	0	0	0	–	1	3·97	106
Camborne (Rosewarne)	9 9 9	250	61·0	52·9	56·9	–	71	3	45	28	56·9	58·6	4·97	–	·91	17	18	14	0	0	2	1	0	0	0	3	4·02	–
Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Falmouth ¶§	9 9 9	167	61·3	52·5	56·9	+3·0	69	7	43	30	–	–	5·07	110	·91	6	17	15	0	0	0	0	1	0	0	0	4·12	114
Newquay ...	9 9 9	176	61·5	52·9	57·2	+4·1	71	3,4	43	14	–	–	5·34	142	1·12	9	19	15	0	–	1	1	–	0	–	4	3·96	109
St. Mawgan ...	21–9 9	337	60·9	52·2	56·5	–	73	4	43	28	–	–	6·76	–	1·79	9	18	16	0	0	4	1	1	0	0	3	4·11	–
St. Austell ...	9 9 9	310	61·8	50·9	56·3	–	70	8	39	30	–	–	8·17	163	1·68	9	20	19	0	0	0	0	2	0	–	1	–	–
Fowey	9 9 9	51	63·0	52·7	57·8	+4·0	70	4	40	30	–	–	6·81	–	2·36	9	18	13	0	0	0	0	1	0	–	2	–	–
Bude	9 9 9	50	62·8	52·0	57·4	+4·6	76	3, 4	41	14, 28	–	–	4·68	124	1·17	9	19	16	0	0	1	1	–	0	–	3	3·09	84
Ellbridge ...	9 9 9	190	62·0	48·9	55·5	–	75	3	35	30	–	–	5·41	–	·95	9	18	15	0	0	1	2	0	0	1	1	3·95	–
NORTHERN IRELAND																												
Londonderry Ballykelly ¶§	21–9 9	3	59·7	48·8	54·3	+4·0	72	4	35	13	–	–	4·26	118	1·25	17	16	14	0	0	4	2	0	0	1	2	3·55	125
Garvagh ¶	9 9 9	121	59·3	46·1	52·7	+4·2	71	4	35	13	54·1	–	4·89	110	1·10	17	17	13	0	0	3	2	0	0	2	1	–	–
Antrim Aldergrove ¶§	21–9 9	217	58·6	48·0	53·3	+4·2	70	4	35	13, 29	–	–	4·02	112	1·39	17	18	13	0	0	2	0	1	0	2	1	3·04	111
Nutts Corner ...	21–9 9	338	58·2	47·7	52·9	–	69	4	34	29	–	–	3·74	–	1·33	17	18	13	0	0	2	0	0	0	0	1	–	–
Parkmore Forest	9 9 9	779	56·9	44·7	50·8	–	69	3,4	33	29	–	–	6·96	–	1·66	26	20	17	–	–	–	–	–	0	–	–	–	–
Down Hillsborough §	9 9 9	388	58·5	47·1	52·8	–	72	4	35	29	53·6	–	3·94	108	1·25	17	19	13	0	0	1	0	1	0	1	1	2·97	104
Kilkeel	21–9 9	59	59·0	49·9	54·5	–	65	7	37	29	–	–	5·26	–	1·29	10	15	13	0	0	0	0	0	0	0	1	–	–
Belfast (Stormont Castle) ...	9 9 9	200	59·1	47·5	53·3	–	69	6	36	29	–	–	3·47	–	1·00	17	16	12	0	0	2	0	–	0	–	0	–	–
Armagh ... ¶§	9 9 9	205	60·3	47·9	54·1	+4·7	71	4	34	29	53·8	56·3	3·92	117	·94	10	19	13	0	0	1	0	0	0	1	3	3·36	120
Loughgall ...	9 9 9	91	59·6	45·4	52·5	–	69	4	33	29	–	–	3·53	–	·94	17	17	13	0	0	1	1	–	0	3	2	3·03	–
Fermanagh Ely Lodge ...	9 9 9	165	58·8	46·4	52·6	–	71	4	35	13	54·5	56·1	6·57	–	1·69	10	21	18	0	0	3	1	1	0	4	0	–	–
CHANNEL ISLES																												
Guernsey States Airport ...	9 9 9	340	62·0	54·1	58·1	–	74	4, 5	44	28	58·1	60·3	3·97	109	·95	26	17	12	0	0	1	0	0	0	0	2	5·22	–
Alderney States Airport ...	9 9 9	288	62·1	54·5	58·3	–	72	3	40	28	58·3	–	3·14	–	·90	26	14	10	0	0	0	0	0	0	–	4	5·23	–
Jersey Jersey Airport ...	9 9 9	273	63·0	53·7	58·3	–	73	3,4,5	43	29	–	–	3·27	96	·61	26	16	13	0	0	1	0	0	0	0	5	4·95	–
St. Helier ...	9 9 9	28	64·5	55·0	59·7	–	77	3,4	46	28	–	–	3·48	111	·69	30	17	14	0	0	2	1	0	0	–	2	5·14	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
0 SCOTLAND, N.	3	272	1010·2	–	48·8	1·2	11·0	92	6·2	1	1	8	6	14	1	0	1	0	0	0	3	8	5	10	4	1	5	15	9	1	2	1	2	3	15	2	4	1
Zetland — Lerwick Observatory H	9	272	1010·1	+2·1	50·3	1·4	11·3	89	6·7	0	0	5	17	7	2	0	1	1	0	0	5	5	8	8	3	2	4	20	5	0	4	0	4	5	11	3	1	3
	15	272	1009·7	–	51·2	2·0	11·3	87	6·2	0	4	3	14	9	1	0	1	0	0	0	4	9	7	6	4	1	8	15	7	0	3	1	1	6	11	1	5	3
	21	272	1010·3	–	49·2	0·9	11·2	92	5·7	0	7	5	8	11	0	0	0	0	0	0	1	3	6	9	4	8	1	3	16	9	2	2	0	2	4	12	2	6	1
	3	94	1009·4	–	50·4	1·0	11·6	92	5·3	2	6	4	10	9	0	0	0	0	0	0	0	0	17	1	11	2	1	2	16	11	1	1	1	2	7	12	2	3	2
	9	94	1009·7	–	51·3	1·5	11·7	90	5·7	0	2	11	11	7	0	0	0	0	0	0	2	9	9	8	3	2	3	16	10	0	4	0	1	9	10	1	6	0
Orkney — Grimsetter.. H	15	94	1009·7	–	53·6	2·2	12·2	86	4·7	2	7	6	10	6	0	0	0	0	0	0	3	14	5	4	5	2	1	20	8	0	2	0	3	10	7	2	6	1
	21	94	1010·1	–	50·1	1·2	11·5	92	4·7	3	6	6	8	8	0	0	0	0	0	0	1	2	12	6	8	2	1	1	16	12	1	2	0	2	8	9	4	4	1
	3	121	1009·8	–	50·7	1·8	11·2	87	4·4	4	6	7	5	8	1	0	0	0	0	0	2	5	9	4	7	4	1	2	14	14	0	2	0	3	7	11	2	4	2
	9	121	1010·2	+1·3	51·4	2·0	11·2	85	5·8	1	3	6	13	8	0	0	0	0	0	0	1	4	11	5	6	4	2	3	16	10	0	2	0	1	6	13	1	5	3
Caithness — Wick .. H	15	121	1010·0	–	53·5	2·9	11·4	80	4·2	5	7	3	13	3	0	0	0	0	0	0	0	3	13	2	7	6	1	3	15	12	0	4	0	1	8	11	3	3	1
	21	121	1010·7	–	50·9	1·9	11·2	87	4·4	5	6	5	9	6	0	0	0	0	0	0	1	3	10	5	9	3	1	2	14	14	0	2	0	2	6	11	7	0	3
	3	371	1007·9	–	53·1	2·9	11·3	82	4·6	9	0	7	5	10	0	0	0	0	0	0	0	1	0	12	18	1	2	9	15	4	2	0	2	6	4	7	5	1
Sutherland — Cape Wrath ..	9	371	1008·7	–	53·1	2·7	11·4	82	5·2	5	2	4	11	9	0	0	0	0	0	0	0	1	5	7	18	2	3	7	17	2	3	0	2	5	5	7	5	2
	15	371	1008·6	–	54·9	3·4	11·7	79	5·5	4	2	3	14	8	0	0	0	0	0	0	0	3	1	9	18	1	5	5	19	1	2	2	2	5	1	12	4	2	2
	21	371	1008·6	–	52·8	2·5	11·6	84	4·7	7	2	5	7	9	1	0	0	1	0	0	0	0	1	10	19	1	4	7	19	0	3	1	1	10	4	5	6	1	0
	3	16	1008·0	–	51·2	2·2	11·1	85	4·3	7	4	5	8	7	0	0	1	0	0	0	0	1	18	10	1	1	5	17	6	2	2	0	1	3	7	8	3	6	0
Ross & Cromarty — Stornoway H	9	16	1009·0	+0·5	52·2	2·5	11·4	84	4·9	2	4	10	11	4	0	0	0	0	0	0	0	0	10	7	12	2	1	5	16	8	1	3	0	1	7	8	5	5	1
	15	16	1009·3	–	55·0	3·8	11·4	77	5·2	4	2	8	11	6	0	0	0	0	0	0	0	0	4	10	14	3	1	4	14	11	1	2	0	4	4	9	3	7	1
	21	16	1009·1	–	51·6	2·3	11·2	85	3·6	8	8	3	4	8	0	0	0	0	0	0	0	3	16	12	0	1	0	17	12	1	1	0	3	9	5	8	2	2	
	3	21	1007·6	–	52·9	2·4	11·7	85	5·1	4	3	5	14	5	0	0	0	0	0	0	0	1	8	13	8	1	2	5	12	10	2	1	1	1	9	7	2	5	3
Inverness — Benbecula.. H	9	21	1008·9	–	53·3	2·4	11·8	84	5·9	1	3	4	16	7	0	0	0	0	0	0	1	2	8	8	6	6	2	8	13	8	0	3	2	2	8	7	1	7	1
	15	21	1009·1	–	56·0	3·8	11·8	77	5·5	3	3	4	15	6	0	0	0	0	0	0	0	4	3	11	7	6	1	9	13	8	0	1	1	0	9	8	2	1	3
	21	21	1008·6	–	53·3	2·4	11·8	84	5·5	2	5	3	13	8	0	0	0	0	0	0	0	0	10	10	9	2	1	7	17	6	0	1	1	3	11	3	3	6	3
1 SCOTLAND, E.	3	19	1009·6	–	48·8	2·0	10·2	86	4·3	6	7	4	5	9	0	0	0	0	0	0	0	2	11	10	6	2	1	0	7	20	3	2	0	2	9	4	9	1	1
Moray — Kinloss .. H	9	19	1010·0	–	52·5	3·1	10·8	80	4·9	2	5	7	16	1	0	0	0	0	0	0	0	1	9	8	9	4	1	1	7	22	0	1	1	5	5	7	4	6	2
	15	19	1010·0	–	58·1	5·9	11·0	67	4·9	2	5	6	15	3	0	0	0	0	0	0	0	0	8	11	5	7	0	3	14	14	0	3	1	5	4	6	5	5	2
	21	19	1010·5	–	51·1	2·8	10·5	81	3·9	7	5	7	6	6	0	0	0	0	0	0	0	1	13	9	5	3	0	1	7	23	0	2	1	5	5	7	6	3	2
	3	193	1011·3	–	49·2	1·3	11·0	91	5·5	3	6	3	5	13	1	0	1	0	0	0	4	1	12	8	4	1	1	0	6	18	6	1	0	1	6	10	2	2	3
Aberdeen — Dyce .. H	9	193	1011·4	+1·1	51·4	1·9	11·4	87	6·1	3	1	3	15	9	0	0	0	0	0	1	1	4	13	6	5	1	1	2	11	13	4	1	0	1	6	7	3	5	4
	15	193	1011·6	–	55·4	3·8	11·6	76	5·0	2	6	7	10	6	0	0	0	0	0	0	3	16	4	6	2	1	1	11	16	2	3	0	1	5	11	2	5	2	5
	21	193	1012·2	–	50·1	1·3	11·4	90	5·7	3	1	7	10	8	2	0	1	0	1	3	6	10	6	3	1	1	2	5	18	5	0	0	1	7	10	2	1	5	
	3	108	1010·2	–	49·9	1·1	11·3	91	5·4	0	5	8	13	5	0	0	0	1	0	1	1	1	9	14	5	0	1	2	13	15	0	1	0	1	3	17	3	5	1
Rattray Head ..	9	108	1010·1	–	51·3	1·7	11·5	88	6·0	0	1	10	13	6	1	0	1	0	0	0	1	1	11	7	11	0	3	3	14	11	0	3	0	1	6	9	5	6	1
	15	108	1010·5	–	54·0	2·9	11·7	81	4·8	0	8	7	11	4	1	0	1	0	0	0	0	2	8	11	9	0	2	3	18	7	1	3	0	0	2	1	15	1	8
	21	108	1011·1	–	50·1	1·6	11·3	89	5·5	0	2	13	6	7	3	0	1	0	2	1	1	10	8	8	0	2	1	14	14	0	2	0	1	4	16	1	6	1	0
	3	38	1010·6	–	49·5	1·0	11·3	91	5·1	4	7	2	3	12	3	0	4	0	0	1	10	3	4	4	5	0	0	13	16	2	1	2	7	2	2	3	6	6	3
Fife — Leuchars .. H	9	38	1011·1	+0·2	51·5	1·5	11·8	89	5·5	2	4	5	12	8	0	0	1	1	0	3	7	6	4	4	5	0	0	15	13	3	0	1	5	4	2	3	11	2	
	15	38	1011·2	–	56·3	3·7	12·2	77	5·2	2	5	6	12	6	0	0	0	0	0	2	15	3	1	10	0	1	17	13	0	2	2	9	3	1	3	9	2		
	21	38	1011·5	–	51·1	1·4	11·8	90	5·4	6	2	3	7	12	1	0	0	0	3	2	7	9	0	4	6	0	1	13	12	5	0	1	5	5	1	6	7	1	
	3	114	1011·1	–	48·1	1·4	10·5	90	4·2	8	4	6	4	7	2	1	1	1	2	3	3	7	8	4	1	0	0	11	12	8	1	2	4	1	0	5	10	0	
Midlothian — Turnhouse H	9	114	1011·7	–	51·0	1·9	11·3	87	5·2	0	8	7	10	5	1	0	1	1	0	1	9	9	6	3	1	0	3	8	16	4	2	5	2	2	1	5	9	1	
	15	114	1011·7	–	57·4	4·9	11·5	71	5·2	2	4	9	10	6	0	0	0	0	1	0	4	12	8	3	3	0	1	17	12	1	1	7	2	3	2	3	10	2	
	21	114	1012·0	–	50·9	1·9	11·2	87	4·1	5	8	5	7	6	0	0	0	1	0	3	6	11	5	4	1	0	3	7	14	7	1	3	5	1	1	5	7	1	
6a SCOTLAND, W.	3	34	1008·6	–	52·9	2·5	11·5	83	4·8	3	6	7	5	10	0	0	0	0	0	0	0	0	12	6	11	2	1	9	13	7	1	2	1	2	9	5	2	6	3
Argyll — Tiree .. H	9	34	1009·9	+0·1	54·1	2·7	11·9	83	5·5	2	2	7	13	7	0	0	0	0	0	0	0	3	9	7	7	5	1	6	19	5	0	3	1	1	10	5	1	9	1
	15	34	1010·0	–	56·3	3·8	12·1	77	5·0	2	6	5	11	7	0	0	0	0	0	0	1	13	5	6	6	1	6	20	4	0	2	0	2	11	4	3	7	2	
	21	34	1009·7	–	53·5	2·6	11·8	83	5·3	1	5	8	9	8	0	0	0	0	0	0	0	15	7	6	3	1	5	19	6	0	2	0	2	12	2	2	8	3	
	3	122	1009·9	–	53·8	2·6	11·7	83	4·4	0	12	7	6	6	0	0	0	0	0	0	0	0	8	5	5	13	2	4	13	12	0	2	1	2	6	10	0	6	4
Rhuvaal H	9	122	1010·4	–	54·5	2·8	12·0	83	5·5	0	3	12	7	9	0	0	0	0	0	0	0	0	12	3	7	9	1	5	11	13	1	3	1	2	5	9	2	5	3
	15	122	1010·6	–	56·8	4·0	12·1	77	5·5	0	3	10	12	6	0	0	0	0	0	0	0	0	11	4	9	7	1	8	13	9	0	2	1	4	6	6	2	5	5
	21	122	1010·4	–	55·0	3·2	11·8	80	5·1	0	7	8	6	10	0	0	0	0	0	0	0	0	9	6	5	11	1	9	12	9	0	0	1	2	7	8	2	4	7
	3	29	1010·9	–	51·0	1·4	11·6	90	5·5	4	2	5	11	9	0	0	0	0	0	0	2	5	11	4	4	5	0	0	6	20	5	0	3	7	2	1	7	6	0
Renfrew — Renfrew .. H	9	29	1011·6	0·0	52·3	2·3	11·4	84	5·5	4	2	4	14	7	0	0	0	0	0	0	0	7	8	7	5	3	1	0	0	11	17	3	0	6	9	0	2	3	7	1
	15	29	1011·5	–	58·2	4·6	12·2	73	5·2	3	1	10	11	6	0	0	0	0	0	0	2	6	13	5	2	3	0	2	12	15	2	0	3	6	2	4	5	8	1
	21	29	1011·6	–	52·6	2·0	11·8	86	4·8	3	8	4	7	9	0	0	0	1	0	0	5	10	11	2	0	2	0	1	9	17	4	0	0	3	8	2	1	7	5
	3	33	1010·6	–	52·4	2·8	11·1	82	4·9	5	5	3	7	11	0	0	0	0	0	0	0	0	17	6	7	1	0	2	10	17	2	1	3	7	5	4	2	5	2
Ayr — Prestwick Airport H	9	33	1011·3	–	53·5	3·0	11·3	79	5·0	3	7	3	9	9	0	0	0	0	0	0	0	4	14	5	6	2	0	0	14	17	0	2	3	11	2	3	3	6	1
	15	33	1011·2	–	59·6	5·4	12·1	69	5·0	1	7	5	13	5	0	0	0	0	0	0	0	2	10	9	9	1	0	4	16	11	0	1	1	4	7	5	3	6	4
	21	33	1011·3	–	53·7	2·9	11·6	81	4·4	7	4	7	3	10	0	0	0	0	0	0	0	3	13	9	6	0	0	0	15	15	1	1	0	10	3	2	4	6	4
Dumfries — Eskdalemuir H	9	778	1012·5	+0·4	50·1	1·5	11·1	88	4·9	2	6	8	7	8	0	0	0	0	0	2	3	14	2	3	7	0	0	5	19	7	3	2	2	2	1	7	4	3	
	15	778	1012·3	–	55·9	4·1	11·4	74	5·1	1	5	9	11	5	0	0	0	0	0	0	0	0	12	7	3	9	0	1	12	17	1	0	3	3	4	7	4	5	4
	21	778	1013·2	–	48·4	1·2	10·6	90	3·9	8	6	4	6	6	1	0	1	0	0	0	0	2	14	3	6	5	0	2	5	19	5	5	4	0	1	5	3	4	4
	3	260	1010·6	–	53·7	1·8	12·5	88	5·3	0	5	12	5	9	0	0	0	0	1	0	0	0	2	10	18	0	2	14	11	4	0	3	0	2	8	5	4	5	4
Wigtown — Mull of Galloway H	9	260	1011·3	–	54·4	2·2	12·5	85	5·9	0	3	9	8	11	0	0	0	0	1	0	0	0	3	9	17	1	2	11	15	3	0	5	0	4	5	6	2	8	1
	15	260	1011·6	–	56·6	3·0	12·9	82	5·8	0	4	7	9	11	0	0	0	0	0	0	0	0	4	9	18	0	2	11	15	3	0	3	0	3	6	8	1	7	3
	21	260	1011·7	–	54·6	2·2	12·6	85	5·1	0	5	13	2	11	0	0	0	0	0	0	0	0	1	11	18	1	2	12	14	3	0	3	0	1	8	6	3	7	3
6b ISLE OF MAN	3	31	1011·2	–	54·5	2·0	12·6	87	3·7	4	11	5	5	6	0	0	0	0	0	0	0	1	6	10	10	4	0	4	18	9	0	2	0	2	6	8	4	6	3
Isle of Man — Point of Ayre ..	9	31	1011·6	–	56·1	2·5	13·0	84	4·7	1	8	7	12	3	0	0	0	0	0	0	1	1	7	5	17	0	0	9	11	11	0	3	1	1	7	7	3	8	1
	15	31	1011·9	–	59·1	3·4	13·6	79	5·1	4	3	6	12	6	0	0	0	0	0	0	0	0	9	8	14	0	1	4	15	11	0	1	0	1	11	5	1	8	4
	21	31	1011·9	–	55·5	2·3	12·7	84	4·0	4	9	5	6	7	0	0	0	0	0	0	0	2	5	9	12	3	1	5	15	10	0	3	0	1	11	2	5	7	2
	3	68	1011·7	–	54·4	2·4	12·3	83	4·6	5	5	5	7	9	0	0	0	0	0	0	0	4	10	8	4	5	2	13	11	5	0	2	1	6	8	1	4	8	1
Ronaldsway H	9	68	1012·0	–	55·6	2·6	12·8	83	5·3	2	4	6	12	7	0	0	0	0	0	0	1	5	9	5	8	3	2	11	12	6	0	2	2	8	4	3	3	7	2
	15	68	1012·2	–	58·3	3·8	13·1	77	5·4	2	4	4	18	3	0	0	0	0	0	0	0	6	9	7	3	6	2	9	17	3	0	1	1	7	5	4	2	8	4
	21	68	1012·4	–	54·9	2·5	12·5	83	3·9	4	10	5	4	8	0	0	0	0	0	0	0	4	12	4	7	4	2	7	16	5	1	1	2	7	4	1	4	6	5
2 ENGLAND, N.E.	3	142	1011·9	–	49·0	1·1	11·1	92	5·1	8	3	0	5	10	5	0	4	0	3	4	2	6	4	4	4	0	0	8	21	2	1	1	1	5	5	5	10	1	
Northumberland — Acklington H	9	142	1012·1	–	51·8	1·7	11·8	89	5·3	4	3	7	9	8	0	0	1	0	5	1	7	5	5	2	5	0	1	13	13	4	0	1	1	4	6	7	6	2	
	15	142	1012·1	–	56·0	3·5	12·1	77	4·7	3	5	9	7	6	1	0	0	0	2	1	7	6	1	6	8	0	3	18	9	1	0	0	0	6	9	2	6	3	4
	21	142	1012·8	–	51·1	1·6	11·6	89	5·1	5	2	7	7	6	4	0	2	1	2	4	3	6	3	4	6	0	0	8	17	6	1	0	2	4	5	8	4	1	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1959

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									
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)							DIRECTION							
																													Beaufort Force													
																													8 or more	6, 7	4, 5	1 to 3	Calm									
																													Speed in knots													
																													34 or more	22 to 33	11 to 21	1 to 10	0									
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%		0	1 2	3 to 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.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over								N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*																																									
Northumberland—*cont.*	Tynemouth	H	3	130	1012·3	–	51·7	1·8	11·7	88	4·3	11	2	2	5	8	3		2	0	0	0	3	6	12	8	0	0	0	0	9	19	3	1	0	2	3	10	2	8	2
			9	130	1012·5	+0·2	52·3	2·1	11·7	85	5·5	3	3	5	12	5	3		2	1	0	3	4	6	8	7	0	0	0	1	10	17	3	0	1	1	1	9	5	10	1
			15	130	1014·5	–	55·7	3·5	11·9	78	5·1	2	3	11	6	6	3		3	0	0	0	2	8	9	9	0	0	2	1	15	12	1	3	1	2	8	7	4	6	2
			21	130	1013·0	–	53·5	2·5	12·0	84	5·3	6	2	3	8	10	2		2	0	0	0	4	5	17	3	0	0	0	1	13	13	4	2	0	2	4	7	4	6	2
			3	118	1012·8	–	49·1	1·0	11·2	92	5·2	8	3	1	1	13	5		3	0	2	5	2	2	9	5	3	0	0	0	7	18	6	1	2	1	1	9	6	3	2
Durham	Middleton St. George	H	9	118	1013·1	–	52·0	1·8	11·7	88	5·8	2	4	3	12	5	5		1	2	2	2	2	5	7	5	3	2	0	0	11	15	5	0	2	2	1	9	6	4	2
			15	118	1012·9	–	59·6	5·6	12·0	68	4·3	4	7	5	11	3	1		0	0	0	1	1	4	11	5	6	3	0	1	19	11	0	2	4	2	3	6	6	6	2
			21	118	1013·7	–	51·5	1·9	11·5	87	4·8	6	2	5	8	7	3		1	2	0	1	4	5	6	7	4	1	0	0	7	18	6	1	3	1	0	5	10	3	2
			3	131	1012·8	–	49·0	1·3	10·9	90	4·8	6	7	0	2	12	4		0	5	2	2	1	6	7	2	3	3	0	0	4	25	2	4	0	3	3	6	5	3	5
			9	131	1013·2	–	50·5	1·5	11·3	89	6·1	2	3	2	11	5	8		0	8	0	2	1	8	3	3	2	4	0	1	10	19	1	5	0	3	7	8	0	4	3
Yorks., N. Riding	Dishforth	H	15	131	1013·5	–	60·0	6·1	11·8	67	4·5	5	4	9	9	4	0		0	0	0	1	1	4	7	7	3	8	1	0	18	12	0	4	0	4	5	6	4	6	2
			21	131	1013·7	–	51·8	1·6	11·7	88	5·1	5	4	5	6	9	2		0	1	2	0	3	9	5	5	5	1	0	1	6	23	1	1	3	3	4	5	4	6	4
			3	27	1013·3	–	48·4	0·9	10·9	93	3·8	12	3	1	6	5	4		2	8	1	0	2	6	3	5	2	2	0	0	7	14	10	1	0	1	3	2	4	6	4
			9	27	1013·8	–	51·9	1·5	12·0	89	4·8	4	5	4	9	3	6		0	5	1	1	1	6	7	7	2	1	0	0	12	10	9	0	1	3	2	3	5	5	3
Yorks., E. Riding	Leconfield .	H	15	27	1013·4	–	60·5	5·4	12·7	70	4·2	5	6	6	9	5	0		0	0	0	0	0	2	18	7	3	1	0	0	18	13	0	3	1	7	3	7	2	6	2
			21	27	1014·2	–	51·6	1·3	11·9	89	4·5	6	5	7	2	8	3		1	3	0	3	2	6	6	8	2	0	0	1	6	17	7	1	2	4	4	1	3	7	2
			3	54	1013·3	–	53·7	1·5	12·8	89	3·0	16	0	6	5	2	2		1	1	0	1	0	3	24	1	0	0	0	1	18	11	1	0	0	4	6	5	7	4	3
			9	54	1013·8	+0·4	53·8	1·4	12·9	90	3·9	7	5	6	9	1	3		0	3	0	0	0	3	8	16	1	0	0	0	3	16	9	3	0	0	2	4	8	5	6	3
	Spurn Head	H	15	54	1013·4	–	57·9	3·0	13·6	82	4·1	6	4	9	10	2	0		0	1	0	0	2	8	18	2	0	0	0	3	21	6	1	4	0	0	4	10	2	2	5	3
			21	54	1014·1	–	55·3	2·1	13·0	86	2·9	12	5	6	3	5	0		0	0	0	2	0	3	25	1	0	0	0	4	18	7	2	1	0	2	8	7	3	6	2
			3	227	1013·7	–	48·8	1·1	10·9	91	3·6	13	3	1	6	6	2		0	2	0	0	3	4	19	3	0	0	0	1	6	23	1	2	2	4	5	3	10	2	2
			9	227	1014·3	–	52·4	1·9	11·7	86	4·7	4	6	5	8	4	4		0	3	1	0	2	6	13	3	3	0	0	0	13	16	2	0	1	7	2	8	7	2	2
Lincoln	Waddington	H	15	227	1013·6	–	61·6	7·0	11·8	63	4·3	4	8	5	8	6	0		0	0	0	0	0	2	9	12	8	0	0	0	17	13	0	1	0	6	8	3	6	5	2
			21	227	1014·6	–	52·2	2·1	11·6	85	3·5	12	3	5	3	7	1		0	1	0	0	1	7	16	5	1	0	0	0	11	19	1	0	0	0	9	4	6	6	3
			3	47	1013·7	–	48·7	0·9	11·2	93	4·7	8	3	3	5	7	5		2	3	0	2	3	3	10	6	1	1	1	0	8	12	10	0	0	1	1	4	7	5	3
			9	47	1014·2	–	53·4	1·9	12·5	88	4·4	5	6	7	5	5	3		0	3	0	1	3	2	10	8	2	2	0	0	19	10	2	0	2	0	5	7	7	6	2
	Manby	H	15	47	1013·6	–	60·3	5·5	12·5	70	4·1	5	6	6	10	4	0		0	0	0	1	0	2	12	11	5	0	0	0	3	17	10	1	2	0	8	3	6	4	3
			21	47	1014·5	–	52·0	1·7	11·9	88	3·7	7	8	3	6	5	2		0	2	0	0	5	2	13	5	4	0	0	2	12	12	5	1	0	1	9	3	5	6	1
3 ENGLAND, E.																																									
			3	89	1014·1	–	50·0	1·5	11·2	90	3·5	13	1	5	6	6	0		0	0	0	1	3	3	15	9	0	0	0	1	13	17	0	0	0	10	5	5	4	4	3
Norfolk	Marham	H	9	89	1014·9	–	54·0	2·6	12·1	84	3·5	10	5	5	4	5	2		0	1	1	0	1	6	11	7	4	0	0	0	17	11	2	0	0	7	5	5	6	4	2
			15	89	1014·1	–	62·3	7·9	11·1	60	4·8	4	5	3	16	3	0		0	0	0	0	0	1	7	15	5	3	0	3	20	8	0	0	0	6	5	6	5	5	4
			21	89	1015·1	–	52·4	2·5	11·3	83	3·5	11	6	2	3	9	1		0	0	0	0	2	3	11	13	2	0	0	2	13	15	1	1	0	9	4	6	5	4	1
			3	263	1014·0	–	49·0	1·0	11·4	93	3·9	12	1	4	8	5	1		0	0	4	0	1	3	3	12	8	0	0	1	1	10	19	0	1	0	0	4	6	4	8	7	1
	West Raynham	H	9	263	1014·9	–	53·2	1·7	12·5	88	3·3	10	6	5	5	4	1		0	0	2	1	0	0	5	7	9	5	2	0	2	14	12	3	1	0	0	1	7	6	8	7	6	1	4
			15	263	1013·9	–	61·2	6·8	11·7	65	4·1	5	8	4	10	4	0		0	0	0	0	0	1	4	17	7	2	0	6	17	8	0	3	0	1	7	8	6	4	2
			21	263	1015·0	–	51·3	1·8	11·6	88	2·7	15	5	2	2	7	0		0	0	1	0	0	3	6	7	12	2	0	0	2	8	20	1	1	0	0	3	7	8	6	4	3
			3	26	1014·5	–	54·5	2·1	13·0	87	3·4	15	2	0	7	7	0		0	0	0	0	1	3	22	5	0	0	1	2	8	19	1	1	0	0	2	6	5	7	5	2
	Gorleston		9	26	1015·2	+0·7	54·8	2·4	12·7	84	3·6	11	4	2	10	3	1		0	0	0	1	1	0	2	22	5	0	0	0	2	12	13	4	1	0	0	4	8	5	1	4
			15	26	1014·6	–	58·1	3·6	13·1	78	3·8	10	1	7	10	3	0		0	0	0	0	0	0	1	21	9	0	0	0	2	23	6	0	0	0	4	8	5	6	4	4
			21	26	1015·3	–	56·1	2·6	13·2	83	2·8	17	2	1	8	3	0		0	0	0	0	0	2	2	23	4	0	0	0	2	12	17	0	2	0	0	4	7	8	4	3	2
			3	39	1014·1	–	50·3	1·7	11·2	88	4·6	9	1	5	8	6	2		0	1	1	2	3	6	5	11	2	0	0	1	5	24	1	0	0	0	8	4	6	5	2	2
			9	39	1015·1	–	54·2	2·9	11·8	81	3·6	9	6	5	5	5	1		0	1	0	1	2	7	7	8	4	1	0	0	11	17	3	0	0	0	5	6	4	7	4	2
Suffolk	Mildenhall	H	15	39	1014·2	–	63·2	8·6	10·9	57	4·5	6	3	5	13	4	0		0	0	0	0	0	0	8	16	6	1	0	0	12	19	0	0	0	0	3	9	4	6	4	3
			21	39	1015·1	–	53·1	2·8	11·4	82	3·8	12	3	2	7	7	1		0	0	0	0	1	4	13	10	3	0	0	0	6	24	1	0	0	0	8	4	7	4	2	2
			3	13	1015·5	–	55·1	2·0	13·2	88	3·4	14	3	1	7	5	1		0	0	0	0	0	0	23	7	0	0	0	2	11	15	3	0	0	0	6	5	4	4	7	2
	Felixstowe..	H	9	13	1015·6	+0·7	56·0	2·6	13·1	84	3·3	10	8	1	8	4	0		0	0	0	1	0	0	2	14	12	2	0	0	1	10	19	1	0	0	0	9	4	4	6	5	2
			15	13	1014·9	–	60·0	4·3	13·5	76	3·8	8	6	4	10	3	0		0	0	1	0	0	0	1	15	12	2	0	0	0	19	12	0	0	0	2	7	7	2	5	6	2
			21	13	1015·6	–	56·9	2·4	13·7	85	3·3	10	8	3	1	8	1		0	0	1	0	0	0	1	19	8	2	0	0	1	13	14	3	0	0	2	5	4	3	5	5	4
			3	141	1014·1	–	49·5	1·6	10·9	88	4·5	11	1	0	11	5	3		0	3	2	3	0	8	11	4	0	0	1	0	6	22	2	0	1	7	3	2	9	4	3	3
			9	141	1015·0	–	52·7	2·4	11·4	83	4·0	9	5	2	8	4	3		0	3	0	0	2	9	7	5	4	1	0	1	13	14	3	0	0	2	8	4	6	5	4	3
Huntingdon	Wyton ..	H	15	141	1014·1	–	62·4	8·0	11·2	59	4·6	3	7	4	14	3	0		0	0	0	0	0	0	2	9	15	2	3	0	1	16	14	0	1	0	2	8	6	5	5	4
			21	141	1015·0	–	53·1	2·9	11·4	80	3·6	11	3	3	6	5	6		0	0	0	0	1	0	6	17	6	1	0	0	0	11	20	0	1	0	7	6	1	10	5	1
			3	96	1014·3	–	47·7	1·1	10·6	91	4·3	9	3	3	8	5	3		1	5	1	0	0	2	17	5	0	0	1	0	6	12	12	1	0	3	1	1	1	6	4	5
			9	96	1015·1	–	52·9	2·4	11·7	85	4·0	7	7	2	8	5	2		0	2	0	1	6	4	9	8	1	0	0	2	8	14	7	1	0	1	4	1	0	8	5	1
Bedford	Cardington	H	15	96	1014·0	–	62·5	7·7	11·5	60	5·0	3	7	2	12	7	0		0	0	0	0	0	0	0	13	15	3	0	0	0	21	10	0	0	1	7	5	3	6	6	3
			21	96	1015·2	–	52·3	2·4	11·5	85	3·5	11	5	3	5	7	0		0	0	0	0	0	5	18	7	1	0	0	1	9	18	3	0	2	6	3	3	11	2	1
			3	517	1014·4	–	48·8	1·0	11·5	93	4·1	11	3	0	11	4	2		1	2	0	1	2	5	13	6	1	0	0	2	5	20	4	2	6	2	2	5	3	5	2	2
Hertford	Bovingdon	H	9	517	1015·2	–	52·8	2·0	12·0	86	3·8	8	7	2	9	5	0		0	1	0	0	1	8	10	2	6	3	0	0	10	20	1	0	0	9	6	5	4	3	5	2
			15	517	1014·1	–	60·0	6·0	11·8	67	4·9	4	5	6	8	8	0		0	0	0	0	1	1	10	10	5	4	0	0	16	14	1	0	0	8	5	7	2	3	5	4
			21	517	1015·3	–	51·8	1·7	11·9	88	3·7	13	3	2	3	10	0		0	0	0	0	0	3	4	17	5	2	0	0	8	22	1	0	0	1	7	5	7	3	3	4
			9	12	1016·0	+0·7	55·5	3·0	12·5	81	3·4	9	8	3	4	7	1		0	0	1	0	1	1	7	10	8	3	0	0	0	9	21	1	0	0	1	6	6	4	6	6	2
Essex	Shoeburyness	H	15	12	1015·2	–	60·1	4·8	13·1	73	4·5	8	3	2	11	7	0		0	0	0	0	0	1	5	11	8	6	0	0	13	17	1	1	1	8	4	3	4	8	1
			21	12	1015·9	–	55·3	2·5	12·9	84	2·8	15	4	3	1	8	0		0	0	0	0	0	2	7	13	7	1	1	0	1	11	18	1	0	0	6	3	5	7	6	3
4 MIDLAND COUNTIES																																									
			3	769	1013·3	–	48·5	0·9	10·9	92	4·7	5	6	5	2	13	0		3	3	0	0	2	6	4	6	6	1	0	1	9	21	0	2	6	5	1	2	5	7	3
Yorks, W.R.	Huddersfield (Oakes)	H	9	769	1013·8	–	51·6	1·9	11·4	86	5·5	3	3	6	4	15	0		0	6	0	0	2	7	9	4	3	0	0	1	11	13	6	0	5	4	0	0	9	5	2
			15	769	1013·3	–	57·7	5·9	11·1	68	4·3	4	8	5	7	7	0		0	1	0	0	0	3	7	10	7	3	0	1	13	15	2	3	2	6	3	2	5	6	2
			21	769	1014·1	–	50·6	1·9	11·1	87	4·1	11	2	4	2	12	0		0	2	0	0	1	6	6	6	0	0	0	0	8	19	4	0	3	3	3	1	8	6	3
			3	390	1013·7	–	48·7	1·3	10·7	90	4·0	10	5	0	7	8	1		1	0	0	3	5	5	12	3	2	0	0	0	6	22	3	1	3	7	0	1	1	10	5
Nottingham	Watnall	H	9	390	1014·1	–	51·8	2·2	11·4	85	4·6	4	5	5	11	4	2		0	2	2	0	3	8	7	10	1	1	0	0	0	7	19	5	1	1	7	1	3	4	6	3
			15	390	1013·4	–	61·3	7·0	11·5	63	5·1	2	7	4	13	5	0		0	0	0	0	0	4	9	13	2	0	0	0	12	17	2	2	1	3	5	5	4	4	5
			21	390	1014·4	–	52·0	2·6	11·2	83	3·4	11	4	6	4	6	0		0	0	0	0	4	3	7	15	2	0	0	0	4	25	2	2	0	8	2	3	2	11	1
			46	1013·6	–	48·6	1·3	10·7	90	3·5	15	1	3	3	7	2		0	5	3	2	3	3	9	4	1	1	0	1	10	11	9	0	0	1	3	6	5	5	2
			9	46	1014·1	–	51·9	2·1	11·4	85	5·2	4	4	5	6	6	0		0	5	1	1	1	3	5	10	3	3	0	0	3	10	13	5	1	0	2	3	8	3	5	4
	Finningley	H	15	46	1013·6	–	61·9	7·1	11·8	63	4·2	5	6	5	10	4	1		0	0	1	0	0	3	10	13	2	2	0	4	16	11	0	3	0	6	7	2	6	3	4
			21	46	1014·4	–	52·5	2·1	11·7	85	4·0	13	0	4	2	10	2		1	1	1	0	0	7	7	9	5	1	0	0	4	6	16	5	1	1	4	3	4	5	6	3
			9	109	1014·4	–	53·2	2·6	11·7	83	4·5	5	5	6	8	5	2		0	0	1	1	2	1	2	12	8	3	1	0	1	15	11	4	0	3	4	1	7	5	4	4
	Langar	H	15	109	1013·7	–	62·7	7·3	11·6	60	5·0	2	5	6	6	14	3		0	0	0	0	0	0	1	5	17	5	3	0	1	20	9	1	2	0	4	6	6	4	4	1
			21	109	1014·6	–	52·8	2·8	11·4	82	3·9	11	4	2	6	8	0		0	0	0	0	2	4	18	6	2	1	0	1	13	15	2	1	1	6	3	4	5	9	3	2
			3	219	1014·1	–	49·0	1·4	10·9	87	4·3	11	1	2	9	6	2		2	2	0	1	4	0	10	8	4	2	0	0	1	7	20	3	2	2	6	1	4	6	5	4
Northampton	Wittering	H	9	219	1014·8	–	52·1	2·5	11·3	84	4·5	9	3	2	7	6	4		1	4	0	0	0	2	4	12	5	3	0	0	1	13	14	3	0	1	5	3	5	5	5	4
			15	219	1013·8	–	62·2	7·9	11·2	59	4·8	2	7	7	11	4	0		0	1	0	0	1	1	4	15	9	5	0	0	1	22	8	0	1	0	4	7	5	5	5	4
			21	219	1014·8	–	52·6	2·9	11·3	82	4·1	10	2	2	5	6	3		0	1	0	1	1	4	15	9	0	0	0	0	12	18	1	2	1	6	4	2	7	8	0

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1959

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																	
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS										FORCE (0-12)										DIRECTION							
																													Beaufort Force																	
																													8 or more	6, 7	4, 5	1 to 3	Calm													
																													Speed in knots																	
																													34 or more	22 to 33	11 to 21	1 to 10	0													
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																					
4 MIDLAND COUNTIES—*cont.*																																														
Warwick	Birmingham	H	9	542	1014·6	−0·1	51·3	2·1	11·1	84	4·3	9	3	4	5	7	3	0	0	2	2	3	3	13	7	1	0	0	0	9	22	0	0	1	6	8	3	6	3	4
			15	542	1013·8	–	60·0	6·6	11·2	64	4·5	3	5	10	8	5	0	0	0	0	1	3	3	10	17	2	1	0	1	14	16	0	3	0	7	9	4	3	5	2
			21	542	1014·6	–	54·0	3·2	11·4	79	3·7	9	5	5	5	7	0	0	0	0	1	3	3	9	15	0	0	0	0	6	24	1	2	0	7	3	5	7	4	2
			3	362	1014·2	–	48·3	1·3	10·6	90	3·6	12	4	2	5	7	1	0	3	0	1	3	3	12	9	0	0	0	0	9	15	7	1	1	3	5	4	6	3	1
			9	362	1014·7	–	51·9	2·1	11·4	85	4·6	6	6	2	9	5	3	0	3	0	0	2	2	7	16	1	0	0	0	1	8	19	3	1	1	6	7	3	8	2	1
	Elmdon ..	H	15	362	1013·9	–	61·1	6·9	11·6	63	5·0	3	5	6	12	5	0	0	3	0	0	2	3	18	9	1	0	1	0	17	13	0	1	0	7	2	8	2	6
			21	362	1014·7	–	53·1	2·7	11·4	82	4·1	8	5	4	7	7	0	0	0	0	0	1	2	11	15	2	1	0	0	2	5	23	1	0	0	6	6	3	9	3	3
			3	242	1013·5	–	48·4	1·4	10·4	89	3·4	12	5	2	5	6	1	0	1	1	2	1	4	7	5	5	5	0	1	6	17	7	1	0	3	6	2	2	4	7	1
			9	242	1013·9	–	52·0	2·0	11·5	86	5·5	3	5	1	10	9	3	0	3	0	0	3	0	7	3	5	6	4	0	0	12	13	6	1	0	4	3	2	7	1	0
Shropshire	Shawbury ..	H	15	242	1013·3	–	60·7	6·3	12·0	67	5·0	2	4	7	14	4	0	0	0	0	0	0	7	2	8	6	9	0	0	1	16	13	1	1	0	4	6	3	5	5	4
			21	242	1014·0	–	52·3	2·1	11·6	86	4·6	6	3	7	9	6	0	0	0	0	0	2	3	9	8	6	3	0	1	8	19	3	2	1	8	2	3	7	4	1
			3	112	1014·1	–	50·0	1·6	11·0	88	4·1	11	2	3	7	8	0	0	1	0	1	2	3	12	6	6	0	0	1	6	18	6	2	1	8	1	2	7	4	2
			9	112	1014·6	–	53·7	2·7	11·7	82	4·5	6	6	2	11	5	1	0	1	0	0	2	4	10	5	4	5	0	0	11	15	5	0	1	4	3	4	6	6	2
Worcester	Pershore ..	H	15	112	1013·8	–	62·4	7·3	11·9	62	4·7	3	6	5	13	4	0	0	0	0	0	1	5	10	9	6	0	0	0	16	14	1	3	2	3	7	3	5	4	3
			21	112	1014·7	–	53·6	2·6	11·8	82	4·0	7	7	4	6	7	0	0	0	0	0	1	1	7	14	5	3	0	0	8	17	6	1	0	4	5	7	5	1	2
			9	226	1014·3	−0·5	52·8	2·7	11·3	82	4·6	2	10	4	5	8	2	0	1	2	0	0	2	3	10	4	7	2	0	0	7	24	0	2	3	5	1	5	7	9	1
Hereford	Ross-on-Wye	H	15	226	1013·6	–	60·2	5·8	11·5	61	4·9	2	6	7	10	6	0	0	0	0	0	1	7	5	15	3	0	0	0	10	21	0	3	1	5	3	4	7	5	3
			21	226	1014·4	–	53·8	3·0	11·5	80	4·0	4	10	3	7	7	0	0	0	0	0	2	1	13	6	9	0	0	0	5	22	4	1	0	6	2	3	12	2	1
			3	197	1014·5	–	50·5	1·9	10·9	86	3·9	11	2	5	4	9	0	0	0	0	1	0	5	3	10	6	5	1	0	1	5	21	4	2	2	8	1	2	6	3	2
			9	197	1014·9	–	54·1	2·6	12·0	83	4·7	2	8	5	7	8	1	0	0	0	2	0	2	4	11	11	1	0	0	1	8	22	0	0	5	7	2	4	6	5	2
Gloucester	Bristol (Filton)	H	15	197	1014·2	–	62·0	7·2	11·8	62	4·9	2	5	8	10	6	0	0	0	0	0	0	2	5	17	5	2	0	0	16	15	0	1	0	3	6	4	7	5	5
			21	197	1014·9	–	53·9	2·7	11·7	82	3·5	8	9	2	5	7	0	0	0	0	0	0	7	16	8	0	0	0	0	2	3	26	0	1	1	8	3	5	4	6	1
			3	751	1014·4	–	48·9	1·3	10·9	91	4·4	10	2	3	4	8	4	0	2	2	1	3	1	9	6	3	4	1	1	7	20	2	1	1	8	1	4	5	2	3
			9	751	1014·9	–	51·3	2·0	11·3	87	4·8	5	7	0	10	4	5	2	2	1	0	1	4	10	2	6	3	0	2	13	14	2	1	0	7	6	2	5	6	2
	Little Rissington	H	15	751	1014·0	–	59·4	5·9	11·7	68	5·0	4	2	6	16	3	0	0	0	0	0	1	1	6	10	9	4	0	2	21	7	1	3	0	2	9	3	4	6	3
			21	751	1015·0	–	51·7	2·0	11·5	86	4·3	9	3	4	5	9	1	0	0	1	0	1	2	9	12	4	2	0	2	7	22	0	1	0	7	1	4	7	7	4
5 ENGLAND, S.E.																																														
			3	86	1014·7	–	50·8	1·8	11·2	87	3·4	11	5	3	8	4	0	0	1	0	2	4	5	7	9	3	0	0	2	3	20	6	4	2	4	0	3	5	6	1
			9	86	1015·6	–	54·4	3·0	11·8	80	4·4	8	2	6	8	6	1	0	1	1	0	2	9	5	6	3	4	0	0	7	21	3	1	1	6	3	4	4	8	1
Middlesex	London Airport	H	15	86	1014·5	–	62·8	7·6	11·8	62	4·7	4	6	6	9	6	0	0	0	0	0	1	2	9	7	6	6	0	0	20	10	1	2	0	5	4	6	3	6	1
			21	86	1015·4	–	54·6	3·1	11·9	80	3·7	12	1	6	7	5	0	0	0	0	0	1	4	14	10	2	0	0	1	6	20	4	0	0	7	3	4	6	3	1
			9	34	1015·6	+0·3	55·4	3·7	11·5	77	4·2	7	4	7	8	5	0	0	0	0	0	2	6	1	10	6	4	2	0	0	3	28	0	1	7	3	3	4	8	4	1
Surrey	Kew Observatory	H	15	34	1014·6	–	62·0	7·6	11·1	60	4·7	4	5	6	10	6	0	0	0	0	0	3	2	6	7	11	2	0	0	13	18	0	1	3	3	5	3	4	8	2
			21	34	1015·4	–	55·3	3·5	11·8	78	3·5	13	2	3	8	5	0	0	0	0	0	1	3	17	7	3	0	0	0	6	24	1	1	5	3	5	1	7	6	2
			3	195	1014·6	–	47·5	1·4	10·4	91	4·0	8	5	4	7	6	1	0	2	4	1	2	2	16	3	1	0	0	2	2	15	12	2	2	4	0	2	6	3	0
			9	195	1015·6	–	52·9	2·3	11·8	86	4·5	7	5	3	8	7	1	0	1	1	0	2	2	13	4	5	3	0	0	5	21	5	1	1	10	0	2	5	5	2
	Gatwick ..	H	15	195	1014·5	–	62·3	7·4	11·6	61	4·5	4	7	6	9	5	0	0	0	0	0	0	2	12	7	8	4	0	0	1	17	13	0	1	0	5	4	5	7	5	4
			21	195	1015·5	–	51·3	2·1	11·3	86	3·5	11	3	5	6	6	0	0	1	0	0	1	3	20	5	1	0	0	0	1	4	19	7	0	1	5	0	4	5	4	2
			3	309	1015·0	–	49·8	1·4	11·2	90	3·2	15	2	1	6	7	0	0	1	2	1	1	5	8	13	0	0	0	2	3	16	10	1	0	1	2	3	7	9	3	2
			9	309	1015·8	–	53·8	2·9	11·6	82	3·9	9	5	3	8	4	2	0	2	0	1	0	0	10	14	4	0	0	0	9	17	5	0	1	3	4	4	7	4	3
Kent	West Malling	H	15	309	1014·7	–	61·2	6·7	11·8	65	4·3	6	7	3	9	6	0	0	0	0	0	0	4	8	9	9	1	0	1	14	15	1	1	1	3	6	4	9	4	3
			21	309	1015·8	–	52·6	1·9	12·0	87	3·6	8	9	3	3	8	0	0	0	0	0	1	2	7	15	6	0	0	0	6	22	3	3	1	5	0	5	7	6	1
			3	35	1015·1	–	52·0	1·6	12·0	89	4·2	9	5	2	6	9	0	0	0	0	0	0	1	4	5	19	2	0	0	2	2	23	4	1	2	11	0	1	2	5	3
			9	35	1015·8	–	55·8	2·2	13·3	86	4·5	6	5	4	8	8	0	0	0	0	0	0	2	8	14	4	3	0	0	7	22	2	1	2	7	2	4	3	7	2
Sussex	Thorney Island	H	15	35	1015·1	–	61·9	5·7	13·1	69	4·6	4	5	5	15	2	0	0	0	0	0	0	1	6	10	7	7	0	0	13	17	1	1	0	6	4	4	7	5	4
			21	35	1015·8	–	54·1	2·2	12·4	86	3·8	10	4	4	5	8	0	0	0	0	0	1	2	12	14	2	0	0	1	5	22	3	1	0	11	1	2	4	5	4
			9	20	1016·1	–	56·6	3·7	12·5	79	4·5	5	3	10	8	5	0	0	0	0	0	0	0	23	8	0	0	0	2	6	16	7	3	0	2	2	6	1	6	4
	Eastbourne (Coastguard)	H	15	20	1015·3	–	61·6	5·7	13·0	69	4·3	6	2	9	9	5	0	0	0	0	0	0	0	23	8	0	0	0	3	7	17	4	1	0	5	3	2	4	7	5
			21	20	1015·9	–	56·9	3·4	12·8	79	3·4	13	0	6	6	6	0	0	0	0	0	0	0	18	13	0	0	0	0	4	17	6	2	0	0	4	1	1	2	8	7
			3	234	1014·7	–	49·5	1·6	10·9	89	4·5	10	2	3	6	8	2	0	2	0	2	3	5	7	10	2	0	0	1	1	16	13	0	0	0	7	0	1	5	4	1
			9	234	1015·2	–	53·5	2·6	11·7	83	4·4	8	4	4	4	9	2	0	1	1	0	3	3	8	3	12	0	0	0	7	17	7	0	1	6	4	1	6	4	2
Berkshire	Abingdon ..	H	15	234	1014·3	–	62·5	7·0	12·2	63	5·2	5	2	5	14	5	0	0	0	0	0	1	6	10	13	1	0	0	0	21	1	1	0	5	7	4	6	3	4
			21	234	1015·2	–	52·8	2·2	11·8	84	3·5	11	6	2	3	9	0	0	0	0	0	1	3	13	13	1	0	0	0	4	18	9	0	1	5	2	2	6	3	3
			3	231	1015·1	–	48·7	1·8	10·5	87	3·1	15	2	4	5	5	0	0	0	1	1	6	1	6	4	4	3	0	1	2	24	4	1	0	5	4	3	5	3	9	2
			9	231	1015·8	+0·5	53·6	2·0	12·3	86	4·5	6	6	3	7	7	2	0	2	1	1	2	1	10	3	4	7	0	0	4	26	1	1	0	5	7	4	2	9	2
Hampshire	S. Farnborough	H	15	231	1014·6	–	62·5	7·0	12·4	67	4·7	4	6	4	13	4	0	0	0	0	0	2	1	7	3	12	7	0	0	9	22	0	2	0	2	6	5	7	3	6
			21	231	1015·7	–	52·7	2·2	11·9	85	3·6	11	5	3	3	9	0	0	0	0	1	3	6	11	4	5	1	0	0	5	25	1	0	0	5	5	4	2	9	5
			3	344	1014·8	–	50·0	1·7	11·0	88	3·4	12	6	0	7	6	0	0	0	1	2	2	7	7	5	7	0	0	2	4	22	3	0	2	5	4	3	6	6	2
			9	344	1015·5	–	53·5	2·5	11·9	84	4·7	5	6	3	7	7	3	0	3	0	0	3	1	8	7	4	5	0	0	6	24	1	0	2	6	6	2	8	5	1
	Blackbushe	H	15	344	1014·5	–	61·5	7·1	11·6	63	4·8	3	6	3	16	3	0	0	0	0	0	0	0	4	10	9	8	0	0	15	15	1	0	0	5	5	7	4	6	3
			21	344	1015·5	–	52·9	2·4	11·8	84	3·7	11	3	3	6	8	0	0	0	0	0	1	4	15	7	3	1	0	0	7	22	2	0	0	6	6	2	9	4	2
			3	458	1014·5	–	50·0	1·8	10·9	87	3·9	13	1	1	7	8	1	0	0	2	1	1	0	13	10	4	0	0	1	5	20	5	1	2	6	2	3	6	5	1
			9	458	1015·1	–	52·9	2·2	11·9	86	5·1	5	3	5	9	8	1	0	1	0	1	1	4	8	6	5	5	0	0	7	23	1	1	3	2	5	6	8	5	0
Wiltshire	Lyneham	H	15	458	1014·2	–	60·5	6·8	11·2	63	5·5	3	2	6	15	5	0	0	0	0	0	0	4	6	17	4	0	0	0	19	12	0	3	0	2	5	8	4	6	3
			21	458	1015·0	–	52·8	2·8	11·3	82	4·0	10	1	6	5	9	0	0	0	0	1	0	3	6	14	7	0	0	0	0	8	22	1	1	0	5	4	5	8	5	1
			9	582	1015·1	–	53·1	1·9	12·3	88	4·5	6	5	4	7	7	2	0	1	1	1	1	3	12	5	5	2	0	0	11	20	0	1	1	8	4	5	4	6	2
	Upavon ..	H	15	582	1014·3	–	59·8	5·9	11·8	67	5·1	3	4	6	14	4	0	0	0	0	0	0	0	5	12	10	4	0	2	17	12	0	2	0	2	6	7	4	7	3
			21	582	1015·2	–	51·5	2·0	11·4	87	3·6	12	4	2	3	10	0	0	0	0	0	0	2	11	12	5	1	0	2	8	18	3	3	0	8	4	2	6	4	1
			3	419	1015·0	–	49·1	1·3	10·9	91	3·8	11	4	1	8	7	0	0	1	0	1	0	5	16	6	2	0	0	2	5	23	1	0	1	11	2	1	7	4	4
			9	419	1015·6	–	53·6	1·9	12·5	87	4·5	4	9	1	9	8	0	0	2	0	1	1	4	9	9	3	2	0	0	9	22	0	2	0	0	1	0	3	5	5
	Boscombe Down	H	15	419	1014·8	–	60·9	6·3	12·0	66	5·0	4	4	4	15	4	0	0	0	0	0	0	1	4	16	6	4	0	2	15	14	0	2	0	0	1	9	3	6	4
			21	419	1015·6	–	51·7	2·1	11·4	85	3·6	12	3	4	4	8	0	0	0	0	0	0	3	16	9	3	0	0	1	5	24	1	0	0	10	3	2	7	4	4
7a ENGLAND, N.W.																																														
			3	27	1012·2	–	50·7	1·4	11·4	89	4·4	8	4	4	5	10	0	0	1	0	0	4	10	5	5	2	4	0	2	13	15	1	2	7	5	1	1	7	5	2
			9	27	1012·5	–	52·4	1·7	12·0	88	4·4	4	6	6	12	3	0	0	0	0	0	4	8	6	7	6	0	0	1	12	18	0	1	8	7	0	2	4	7	4
Cumberland	Silloth	H	15	27	1012·6	–	54·8	4·5	12·6	74	5·1	3	3	8	12	5	0	0	0	0	1	7	10	5	3	5	0	0	4	11	14	2	1	3	5	2	2	4	8	4
			21	27	1012·8	–	52·0	1·9	11·6	86	3·6	7	9	3	6	6	0	0	0	1	1	3	9	4	3	8	2	0	3	11	15	2	2	6	5	2	3	6	4	1
			3	35	1012·3	–	50·9	2·3	10·7	85	3·6	9	6	4	6	6	0	0	1	0	2	2	8	7	3	7	1	0	2	12	15	2	1	0	10	5	1	2	5	5
			9	35	1012·6	–	54·8	2·9	12·1	82	5·2	4	3	5	11	7	1	0	0	2	1	2	12	4	5	4	1	0	2	16	12	1	1	0	7	9	2	4	8	2
Lancashire	Squires Gate	H	15	35	1012·7	–	61·5	6·4	12·1	66	5·3	3	5	2	15	6	0	0	0	0	0	0	4	10	9	8	0	0	2	18	10	1	1	0	1	8	4	3	4	4
			21	35	1013·0	–	54·2	2·9	11·6	80	4·5	7	3	6	10	5	0	0	0	1	5	3	11	5	6	0	0	0	2	13	13	3	2	0	10	2	2	3	7	2
			3	85	1012·9	–	52·2	2·8	10·9	81	3·7	11	3	5	7	5	0	0	1	0	2	1	4	7	8	6	2	0	0	13	18	0	1	2	3	8	4	5	4	3
			9	85	1013·2	–	53·5	3·1	11·3	80	5·6	3	3	4	11	8	2	0	2	1	0	6	7	6	4	3	2	0	1	13	16	1	2	0	4	6	9	2	7	1
	Speke ..	H	15	85	1013·1	–	61·3	7·0	11·5	63	5·1	3	6	3	14	5	0	0	0	0	0	4	13	9	4	1	0	3	15	13	0	2	0	0	6	9	2	7	1	5
			21	85	1013·5	–	55·5	3·6	11·7	77	4·0	7	7	4	7	6	0	0	0	0	1	4	6	7	11	2	0	0	4	8	19	0	1	1	8	4	3	5	4	5

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1959

District, County and Place			Hour of Observation	Height of Barometer above Mean Sea Level	Mean Pressure: At Mean Sea Level	Mean Pressure: Difference from Average	Mean Temperature and Humidity: Dry Bulb	Mean Temperature and Humidity: Depression of Wet Bulb	Mean Temperature and Humidity: Vapour Pressure	Mean Temperature and Humidity: Relative Humidity	Cloud Amount (Oktas): Mean Amount	Cloud Amount (Oktas): No. of Observations: 0	1 2	3 to 5	6 7	8	9	Visibility: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	Wind, Number of Observations: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																												Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
7a ENGLAND, N.W.—*cont.*																																								
Cheshire	Manchester Airport	H	3	251	1013·9	–	50·9	2·5	10·8	83	3·3	13	4	3	3	8	0	0	0	0	0	1	5	14	11	0	0	0	0	11	20	0	1	0	8	3	9	4	3	3
			9	251	1013·2	–	53·8	3·2	11·4	79	4·9	5	3	4	13	6	0	0	0	0	1	1	7	14	7	0	1	0	3	11	15	2	1	1	5	3	8	5	4	2
			15	251	1012·9	–	61·7	7·6	11·2	60	5·3	3	2	7	12	7	0	0	0	0	0	0	4	14	9	4	0	0	2	16	13	0	3	0	1	6	11	1	5	4
			21	251	1013·6	–	53·8	3·2	11·5	80	4·3	8	2	5	9	7	0	0	0	0	0	1	6	16	7	1	0	0	2	13	16	0	1	0	6	7	6	5	2	4
7b NORTH WALES																																								
Anglesey	Holyhead .. (Valley)	H	3	29	1012·2	–	54·1	2·6	12·2	83	4·5	8	4	3	9	7	0	0	0	0	0	0	2	8	9	9	3	0	7	9	15	0	1	1	7	5	2	5	5	5
			9	29	1012·4	−0·8	57·4	3·2	13·1	81	5·6	3	3	3	18	4	0	0	0	0	0	1	2	5	8	7	8	0	6	10	15	0	4	0	6	4	5	3	6	3
			15	29	1012·6	–	60·9	5·4	12·9	71	5·5	3	2	7	12	7	0	0	0	0	0	0	2	3	11	8	7	1	6	14	9	1	2	1	0	4	8	2	8	5
			21	29	1013·0	–	55·8	2·8	12·6	82	5·1	3	4	8	8	7	1	0	0	0	1	0	2	6	11	8	3	1	4	11	12	3	3	1	6	2	2	5	5	4
8a SOUTH WALES																																								
Cardigan	Aberporth..	H	3	379	1013·0	–	53·7	3·0	11·4	81	4·4	6	5	9	1	10	0	0	0	0	0	1	2	6	12	9	1	1	3	16	9	2	2	0	0	7	7	5	5	3
			9	379	1013·3	–	55·7	3·5	12·0	78	5·7	2	3	3	13	10	0	0	0	0	0	0	1	9	10	5	6	2	1	16	11	1	1	0	1	10	5	2	8	3
			15	379	1013·1	–	59·2	5·2	12·1	71	5·6	2	3	7	11	8	0	0	0	0	0	0	0	5	13	6	7	1	2	20	8	0	4	0	1	9	5	3	7	2
			21	379	1013·7	–	55·2	3·4	11·9	79	4·5	4	7	5	5	10	0	0	0	0	0	0	0	9	13	6	3	1	2	13	12	3	2	0	0	6	8	4	5	3
Glamorgan	Mumbles Head	H	3	123	1013·7	–	55·2	2·6	12·5	83	4·7	6	4	4	4	13	0	0	0	0	0	0	2	9	18	2	0	1	9	13	8	0	2	0	12	2	1	4	7	3
			9	123	1014·0	–	56·1	2·6	13·0	83	5·3	1	6	2	9	13	0	0	0	0	0	0	3	18	7	3	0	2	8	10	10	1	2	0	12	0	1	4	9	2
			15	123	1013·7	–	60·1	4·8	12·9	72	5·6	2	2	6	12	9	0	0	0	0	0	2	1	13	10	4	1	1	9	10	11	0	3	0	8	4	0	5	9	2
			21	123	1014·3	–	56·6	2·8	13·1	83	5·0	5	4	4	7	11	0	0	0	0	0	0	4	3	13	10	1	1	4	15	9	2	3	0	9	3	0	3	7	4
			3	225	1014·3	–	52·0	1·8	11·7	88	4·0	9	5	4	5	8	0	0	0	0	0	3	2	9	9	8	0	1	1	7	21	1	4	4	7	2	1	5	5	2
	Rhoose ..	H	9	225	1014·8	–	54·6	2·2	12·6	85	5·2	2	6	6	7	8	2	0	1	0	1	1	9	7	3	6	3	0	1	15	15	0	2	1	11	1	1	4	7	4
			15	225	1014·2	–	60·7	5·7	12·5	69	5·0	2	6	6	13	4	0	0	0	0	0	0	2	5	8	9	7	0	1	18	12	0	2	0	4	9	1	3	10	2
			21	225	1014·9	–	54·2	2·4	12·3	85	4·0	8	6	1	10	6	0	0	0	0	0	2	2	6	10	9	2	0	1	10	19	1	1	0	8	4	1	5	3	8
8b ENGLAND, S.W.																																								
Dorset	Portland Bill	H	3	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			9	35	1014·8	–	58·9	2·3	14·8	86	4·8	2	5	11	5	8	0	0	0	0	0	0	0	5	7	3	15	0	8	14	9	0	4	0	7	2	5	2	8	3
			15	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			21	35	1014·8	–	58·9	2·5	14·6	85	3·7	9	4	6	6	6	0	0	0	0	0	0	0	1	11	9	10	2	6	12	11	0	0	1	10	5	2	3	10	0
Devon	Hartland Pt.	H	3	305	1013·3	–	55·6	2·9	12·5	82	4·6	3	6	8	7	7	0	0	0	0	0	0	0	4	14	11	2	3	5	10	13	0	3	0	4	6	2	6	7	3
			9	305	1013·4	–	57·3	3·3	12·9	79	6·0	1	1	8	15	6	0	0	0	0	0	1	0	5	13	11	1	1	3	15	12	0	4	0	6	3	3	5	7	3
			15	305	1013·4	–	60·0	5·1	12·6	72	5·8	0	4	5	17	4	1	0	0	0	1	0	0	6	11	11	2	1	7	10	12	1	2	2	1	4	4	3	8	6
			21	305	1014·0	–	56·4	3·1	12·7	81	5·0	1	5	8	12	5	0	0	0	0	0	0	1	2	11	15	2	4	3	9	14	1	3	1	2	6	3	2	8	5
			3	100	1014·8	–	54·2	1·9	12·7	87	4·0	7	7	4	5	8	0	0	0	0	0	1	3	15	10	2	0	1	2	10	16	2	3	5	8	0	2	3	5	3
	Plymouth (Mount Batten)	H	9	100	1015·3	0·0	57·2	2·9	13·4	83	5·4	2	3	7	13	6	0	0	0	0	0	1	2	9	12	6	1	0	4	11	14	2	2	0	6	3	2	5	7	4
			15	100	1014·7	–	60·6	4·9	13·0	72	5·4	0	5	7	14	5	0	0	0	0	0	0	2	7	7	9	6	0	5	19	6	1	4	0	4	6	4	3	4	5
			21	100	1015·4	–	55·9	2·3	13·2	85	4·2	5	7	3	10	6	0	0	0	0	0	0	2	19	9	1	0	0	4	6	17	4	3	2	8	1	2	3	5	3
			3	23	1014·3	–	53·9	2·2	12·2	85	4·5	5	6	6	5	9	0	0	0	0	0	1	1	6	10	12	1	1	2	13	13	2	2	0	12	3	3	3	2	4
	Chivenor ..	H	9	23	1014·6	–	57·0	3·0	13·1	82	5·9	2	0	8	12	9	0	0	0	0	0	0	2	10	3	11	5	1	2	13	13	2	2	0	8	4	4	0	6	5
			15	23	1014·2	–	61·7	5·6	13·1	70	6·0	1	1	7	15	7	0	0	0	0	0	0	1	7	3	14	6	0	3	21	7	0	2	0	0	9	3	5	8	4
			21	23	1014·8	–	55·7	2·5	12·9	84	5·0	0	7	8	8	8	0	0	0	0	0	1	2	8	6	10	4	0	3	13	12	3	4	0	9	3	2	3	4	3
			3	125	1014·7	–	51·5	1·2	12·1	91	4·6	5	5	5	8	8	0	0	2	0	0	1	3	7	12	5	1	0	4	6	8	13	1	1	2	2	4	2	3	3
	Exeter ..	H	9	125	1015·2	–	54·6	2·1	12·8	87	5·6	1	5	5	14	5	1	0	1	0	0	0	2	13	6	4	5	0	1	8	13	9	1	1	1	5	2	4	6	2
			15	125	1014·7	–	60·1	4·2	13·5	75	5·4	1	6	5	12	7	0	0	0	0	0	0	1	8	7	5	10	0	3	21	7	0	1	0	1	9	3	5	4	8
			21	125	1015·1	–	54·5	2·1	12·7	87	4·1	7	6	3	8	7	0	0	0	0	1	0	4	10	9	7	0	0	0	9	11	11	0	1	2	6	2	3	2	4
			3	199	1014·5	–	56·1	2·4	13·3	86	5·7	2	3	7	7	9	3	0	0	0	0	1	0	1	6	4	9	10	1	2	16	8	4	2	0	0	8	5	1	6	5
Cornwall	St.Mary's, Scilly	H	9	199	1014·8	−0·2	57·7	3·1	13·3	80	5·0	0	6	10	7	8	0	0	0	0	0	1	1	4	4	15	6	0	4	15	11	1	3	0	2	7	3	3	4	8
			15	199	1014·1	–	60·7	4·3	13·8	75	4·9	1	5	10	8	6	1	0	0	0	1	0	1	5	8	6	10	0	5	15	10	1	5	0	1	8	5	4	4	3
			21	199	1015·4	–	56·2	2·0	13·3	88	4·8	2	6	10	4	8	1	0	0	0	1	0	0	6	9	6	9	0	5	15	8	3	3	0	3	7	3	2	5	5
			3	350	1014·7	–	54·4	2·1	12·7	86	4·4	5	5	4	9	8	0	0	0	0	0	1	2	6	10	10	2	2	2	18	9	0	1	0	4	8	5	3	3	7
	St. Mawgan	H	9	350	1015·0	–	56·9	2·6	13·4	83	5·9	2	1	8	10	9	1	0	0	1	0	1	0	8	10	6	5	1	4	19	6	1	1	0	3	6	5	3	3	9
			15	350	1014·5	–	59·1	4·1	13·3	76	5·2	0	7	7	12	5	0	0	0	0	0	0	1	8	3	11	8	0	8	19	4	0	5	0	1	9	4	4	3	5
			21	350	1015·5	–	54·9	2·0	13·0	87	5·2	4	3	7	7	9	1	0	0	1	0	0	2	6	12	10	0	1	4	15	9	2	3	0	6	4	4	2	4	6
NORTHERN IRELAND																																								
Londonderry	Ballykelly	H	3	13	1009·6	–	51·3	1·6	11·6	88	5·0	4	3	7	11	6	0	0	0	0	0	0	1	9	9	10	2	1	1	12	13	4	1	0	3	8	5	6	3	1
			9	13	1010·8	–	53·9	2·4	12·1	84	5·9	1	3	4	18	5	0	0	0	0	0	0	0	4	6	4	11	6	1	0	14	14	2	1	1	0	10	3	4	8	2
			15	13	1010·7	–	53·1	2·3	11·8	85	5·1	2	3	7	12	7	0	0	0	0	0	0	0	2	8	7	6	8	0	1	18	12	0	3	0	0	11	4	4	7	2
			21	13	1010·5	–	57·8	4·0	12·6	77	5·6	3	3	9	10	6	0	0	0	0	0	0	1	10	11	6	3	0	2	12	15	2	2	0	2	7	6	6	6	0
			3	220	1010·8	–	50·8	1·3	11·8	91	5·0	3	7	3	9	9	0	0	0	0	0	1	2	13	12	3	0	0	2	11	16	2	1	0	4	8	4	6	5	1
Antrim	Aldergrove	H	9	220	1011·6	−0·7	52·7	1·6	12·4	89	5·9	2	4	2	14	8	1	0	0	1	0	0	5	10	7	6	2	1	1	14	15	0	4	1	1	11	2	7	4	1
			15	220	1011·4	–	57·5	4·1	12·5	76	5·8	1	3	5	19	3	0	0	0	0	0	0	1	11	7	10	2	0	2	19	10	0	1	1	1	9	5	3	6	5
			21	220	1011·9	–	52·3	1·9	11·9	87	4·7	4	6	4	9	8	0	0	0	0	0	0	1	12	8	9	1	0	3	10	18	0	1	1	1	12	2	5	6	3
			3	356	1010·8	–	50·4	1·0	11·8	93	5·5	3	5	3	8	12	0	0	0	0	0	0	4	12	7	8	0	0	2	8	20	1	0	1	3	10	5	2	7	2
	Nutts Corner	H	9	356	1011·6	–	51·7	1·4	12·1	91	6·0	0	5	4	15	7	0	0	0	0	0	2	4	9	5	7	4	1	1	15	14	0	1	0	4	8	6	5	4	3
			15	356	1011·4	–	56·8	4·0	12·1	76	5·9	1	2	6	16	6	0	0	0	0	0	0	2	10	5	7	7	0	1	23	7	0	2	0	1	10	6	4	6	2
			21	356	1011·9	–	51·8	1·9	11·7	88	5·1	4	4	5	9	9	0	0	0	0	0	0	2	12	8	6	3	0	0	14	16	1	0	0	1	12	4	6	4	3

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, OCTOBER, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	221	8	11	18	103·0	31	134	3	(11	18)	69·4	31	235	8	12	18	115·1	31
Eskdalemuir	313	6	32	23	173·5	31	165	5	30	23	92·8	31	287	6	36	23	165·0	31
Cambridge	367	6	55	21	218·6	31	138	2	45	21	90·1	30	-	-	-	-	-	-
Kingsway	302	4	35	11	190·6	31	228	20	30	11	111·8	31	354	2	53	31	212·5	31
Kew	309	3	27	31	186·0	31	133	1	27	31	81·0	31	346	3	36	31	203·0	31
Aberporth	369	4	47	11	180·8	31	182	1	47	11	105·0	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN OCTOBER, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	0	9	21	1	0	0	0	0	0	0	0	8	9	14	0
Stornoway	0	0	7	12	12	0	0	0	0	0	0	0	6	10	15	0
Craibstone	0	0	4	19	6	2	0	0	0	0	0	0	7	16	8	0
Rothesay	0	0	2	19	9	1	0	0	0	0	0	0	5	11	15	0
Renfrew	0	0	3	13	12	3	0	0	0	0	0	0	4	14	13	0
Eskdalemuir	0	0	6	11	12	2	0	0	0	0	0	0	9	18	4	0
Douglas	0	0	1	16	13	1	0	0	0	0	0	0	1	12	18	0
Cockle Park	0	0	4	10	15	2	0	0	0	0	0	1	9	18	3	0
Gorleston	0	0	1	11	19	0	0	0	0	0	0	0	2	11	17	1
Cambridge	0	0	2	7	10	9	3	0	0	0	0	1	9	14	7	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	3	10	11	7	0	0	0	0	0	0	3	18	10	0
Kew Observatory	0	0	2	7	13	8	1	0	0	0	0	0	4	14	13	0
Hastings	0	0	2	5	19	5	0	0	0	0	0	0	3	8	17	3
Southampton	0	0	0	6	16	9	0	0	0	0	0	0	6	13	11	1
Stonyhurst	0	0	2	11	13	5	0	0	0	0	0	0	3	17	11	0
Bidston Observatory	0	0	1	15	9	6	0	0	0	0	0	0	1	17	13	0
Holyhead (Valley)	0	0	0	11	16	4	0	0	0	0	0	0	0	12	18	1
Falmouth	0	0	0	10	20	1	0	0	0	0	0	0	0	12	16	3
Aldergrove	0	0	3	14	13	1	0	0	0	0	0	0	4	16	11	0
Armagh	0	0	0	14	13	4	0	0	0	0	0	0	7	13	10	1

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	
1958		ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	knots	°	knots	day hr.	knots	day	h. m
December	Southport	63	45	36	-	0	8	45	129	328	242	0	7·6	270	32	8 18	57	8	1740
1959 January	Southport	63	45	36	1	5	7	52	174	248	194	71	8·2	210	38	1 18	56	1	1900
"	Milford Haven	246	50	35									11·2						
"	Moor House	1960	50	45										-					
February	Southport	63	45	36	-	0	2	11	161	318	182	0	7·7	250	25	20 13	36	20	1215
"	Kete	249	49	37	**														
March	Sheffield	533	83	35	-	0	0	0	94	448	202	0	6·3	150	14	29 12	36	26	1100
"	Kete	249	49	37	**														

** Incomplete Record.

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntar

Volume 76 Number 11 Published by HER MAJESTY'S STATIONERY OFFICE

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November 1959—*Changeable and rather mild*

Weather types over or near the British Isles were mostly cyclonic in character. Depressions passed to the north of the country during the first and last ten days but some moved overland during the middle part. There were a few rather cold foggy spells, but it was mild on the whole with heavy rain at times especially in the second half of the month.

During the first week of the month the British Isles was alternately affected by troughs and ridges between anticyclones centred over Russia and the eastern Atlantic. Rainfall over the British Isles was mainly slight during this first week, although a cold front gave some moderate to heavy rain on the 2nd as it moved eastwards across the country. After two mild days with afternoon temperatures reaching 60°F. in many places, northerly winds on the 3rd brought a general fall of temperature. An upper trough developed over the country and showers became widespread with some sleet or snow locally in Scotland. On the 5th winds over the British Isles became light and variable for about three days. Fog and frost were widespread at night during this period, the fog being dense in places and persisting throughout the day on the 6th and 7th in some areas.

A vigorous depression moving slowly eastwards near Iceland brought strong winds or gales to most districts on the 8th and 9th and there was heavy rain in places; more than 1 in. was recorded in 24 hr. over large areas of north and west Scotland. On the 10th the depression filled considerably and weather became showery; hail and thunder occurred locally and there was some snow in the north. By the evening of the 11th pressure was almost uniform over the British Isles and frost and fog again became widespread. That night screen temperature fell to 19°F. at Gatwick, Birmingham and Aberdeen, and the fog persisted throughout the 12th in many parts of eastern England with temperatures below freezing all day.

A vigorous depression moved eastwards across Ireland on the 13th reaching the Midlands of England later the same day and then becoming nearly stationary for about 48 hours but filling up steadily. Heavy rain and severe gales occurred in many districts; the Lizard recorded a gust of 91 kt. on the 13th, there was snow in many central and northern districts and on two successive days, the 14th and 15th, 3 in. of rain fell in Pembrokeshire. As the depression filled up, winds became light, and on the 16th fog returned to much of England becoming even thicker and more persistent the following day.

On the 17th a depression moved northward from the Bay of Biscay, rain associated with it reaching southern England before dawn. The rain was heavy locally in southern England, and it was preceded by snow in parts of Scotland where high winds caused considerable drifting, blocking many roads. Further frontal rain occurred on the 19th, but during the next five days an anticyclone moved from central Russia to the Balkans and winds over the British Isles on its western flank were southerly and weather dull and mild with temperatures between 50°F. and 60°F. over practically the whole country.

On the 25th and 26th a cold front gave considerable rain as it crossed the country; in both South Wales and Devon more than 3in. fell locally in 24 hr. Bright showery weather followed and there was a return of fog to many eastern districts on the 27th. Fronts, associated with a complex depression near Iceland, gave occasional rain or showers over the British Isles during the next two days, and on the last day of the month there were heavy outbreaks of thundery rain in central and eastern England as a pronounced upper trough over Ireland moved east and a small depression moved from north-east France to the Wash.

Pressure and Wind. Mean pressure was everywhere below the average, the deficit at 9 h. ranging from 6.0 mb. at Tiree to 1.9 mb. at Lerwick. Winds were mainly south-westerly on the 1st and 2nd, north-westerly on the 3rd and 4th, and light and variable on the 5th—7th and also on the 12th after four days of south-westerlies. A closed cyclonic circulation persisted over the country on 13th—16th after which winds became mainly south-easterly on the 17th—19th and southerly on the 20th—23rd later becoming predominantly south-westerly until the 29th and south-easterly on the 30th. Wind reached gale force in Scotland on the 2nd, 4th, 8th, 9th, 12th—15th, 17th—20th and 22nd—25th. Gales were recorded on the 29th and on all the above dates in England and Wales except the 23rd and 24th. They were widespread on the 13th and 19th. Gusts of 72 kt. were reported from Aldergrove on the 19th and from Tiree on the 20th and 71 kt. from Stornoway on the 2nd and Plymouth on the 13th. Stornoway recorded 91 hours during the month with mean hourly wind speed above 33 kt.

Temperature. Mean temperature exceeded the 1921–50 average by 1.0°F. in England and Wales, 1.9°F. in Scotland and 0.5°F. in Northern Ireland. The second half of the month was generally warmer than the first half, but temperature exceeded 60°F. at several places on the 1st and 2nd. The coldest night was the 11th/12th when screen temperatures in all districts except the south-west fell below 20°F. Ground frost was widespread in Scotland on the 1st–5th, 7th–13th and 18th–30th and in England and Wales on the 3rd, 5th–7th, 9th–12th and 16th.

Extreme temperatures included (England and Wales) 65°F. at Usk on the 1st, 14°F. at Alwen on the 12th; (Scotland) 62°F. at Inverness, Nairn and Elgin on the 2nd, 12°F. at Glenlivet and Cannich on the 12th; (Northern Ireland) 58°F. at Belfast (Stormont Castle) on the 2nd, Kilkeel on the 2nd and 5th and Ballykelly on the 23rd, 25°F. at Loughgall on the 12th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 127 over England and Wales, 141 over Scotland and 108 over Northern Ireland. Less than the average occurred over the greater part of the Thames Valley, East Anglia, the east Midlands and locally in Lancashire, Northern Ireland and the extreme north-west of Scotland. Twice the average was exceeded in parts of Devon, south-west Wales and Northumberland. It was the wettest November since 1954 over the United Kingdom as a whole but for England and Wales the total rainfall for the year up to the end of November was the lowest for any such period since 1921. More than 1 inch of rain fell in 24 hr. over much of eastern Scotland and north-east England on the 13th, over much of western Scotland on the 23rd and over much of southern and central England on the 25th.

Thunder was heard on 11 days in Scotland and on the 10th–20th, 22nd, 26th, 27th, 29th and 30th (16 days) in England and Wales. Thunderstorms were widespread on the 9th and 13th in Scotland and on the 13th in England and Wales.

Snow and sleet fell widely in Scotland on the 9th–13th and some places reported a covering on the ground on these days. It fell widely in central and northern England on the 13th.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 98 over England and Wales, 90 over Scotland and 115 over Northern Ireland. By the 16th of the month, the total sunshine recorded at Kew since the beginning of the year exceeded the amount recorded during the whole of any previous year since observations began there in 1881.

Fog. In Scotland it was fairly widespread on the 6th, 12th and 21st and occurred locally on 10 other days. In England and Wales fog persisted through the day in many areas on the 6th, 7th, 12th and 16th; it was widespread at night on the 17th, 22nd and 27th and was reported from one place or another on 24 days during the month.

Miscellaneous Phenomena. The aurora was seen in Scotland on 21 nights.

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

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TABLE I—DISTRICT VALUES— NOVEMBER, 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	62	12	+1·7	+1·7	+1·7	—	—	132	+3	99
Eastern										
1 SCOTLAND, E.	62	12	+1·9	+2·1	+2·0	—	—	153	+3	89
2 ENGLAND, N.E.	60	15	+1·3	+0·3	+0·7	+1·4	+1·4	128	+3	79
3 ENGLAND, E.	61	16	+1·3	−0·1	+0·6	+0·2	+1·0	93	0	110
4 MIDLAND COUNTIES	61	16	+1·1	+0·9	+1·0	+0·9	+1·5	117	+3	98
5 ENGLAND, S.E.	63	19	+1·9	+0·6	+1·3	+0·1	+0·7	118	+2	102
Western										
6 SCOTLAND, W.	59	18	+1·6	+2·5	+2·1	+2·0	+3·1	132	+6	82
7 ENGLAND, N.W. *(and N. Wales)*	63	14	+1·4	+1·8	+1·6	+1·7	+1·7	128	+4	111
8 ENGLAND, S.W. *(and S. Wales)*	65	20	+1·0	+0·9	+0·9	+1·6	+1·2	140	+6	87
NORTHERN IRELAND	58	25	+0·4	+0·5	+0·5	—	—	—	+2	115

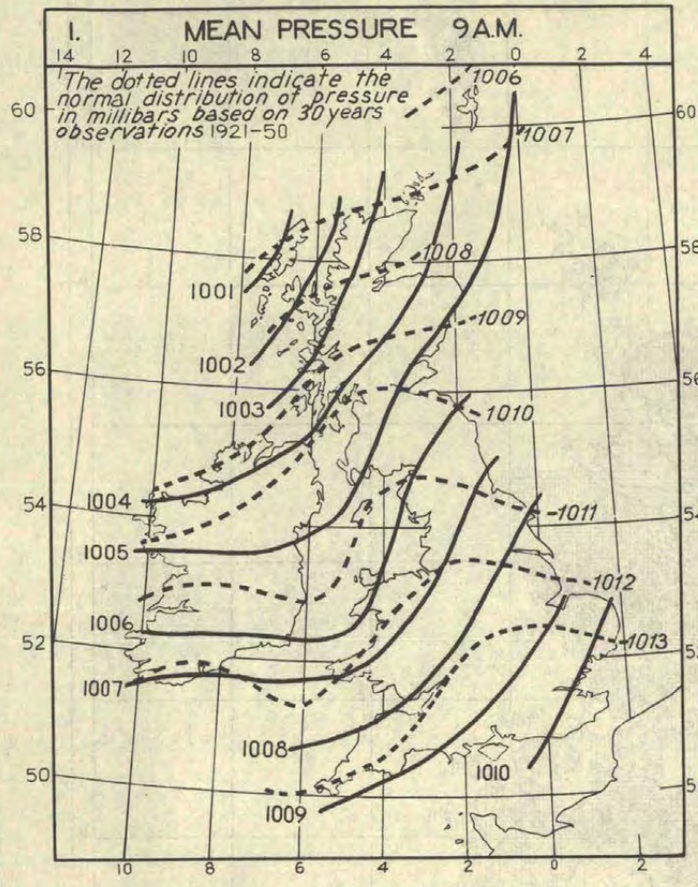
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1959 [1914]

DISTRICT, COUNTY AND PLACE		Height of Vane			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		
		Above Mean Sea Level	Above Ground	Effective Height	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	2,8,20	22	20	166	330	146	56	0	(15·9)	210	43	8	21	69	2	1540
Orkney	Grimsetter	135	51	33	2,8,19,20	8	12	138	312	240	22	0	14·6	080	35	19	04	55	8	1620
Caithness	Dounreay ...	112	41	33	8,19,20	10	11	86	342	282	0	0	13·8	130	38	20	02	61	4	1035
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	Ø 2,8,13,14	91	22	227	258	108	36	0	20·1	180	51	20	09	71	2	1105
Inverness	Benbecula	69	51	35	⁄⁄ 2,8,14,19	38	23	206	342	116	18	0	18·0	210	42	2	11	68	2	1050
1 Aberdeen	Dyce	225	40	40	–	0	5	19	205	290	206	0	8·1	190	30	8	16	43	2	0840
Angus	Bell Rock Lighthouse	128	131	124	⁄⁄ 2,8,9,13	49	22	149	407	87	28	0	18·2	100	45	19	23	58	18	1800
Perth	Rannoch	1006	56	57	19	1	9	52	233	243	148	43	10·0	190	36	19	24	56	19	2240
Fife	Leuchars	75	42	40	18	3	7	53	191	303	170	0	9·3	080	36	18	19	49	18	1650
Midlothian	Edinburgh	485	39	23	22	2	8	34	268	267	149	0	9·7	190	35	22	20	53	22	1950
6a Argyll	Tiree	89	60	47	⁄ 2,8,14,19	47	24	202	286	133	52	0	17·6	180	48	20	03	72	20	0040
Bute	Millport	50	34	34	8,13,18–20	30	14	88	381	146	75	0	14·9	060	44	13	13	62	13	1310
Renfrew	Paisley	188	81	31	–	0	5	15	164	363	178	0	7·7	160	26	19	23	53	19	2350
	Renfrew	71	41	39	–	0	8	37	188	359	136	0	8·6	180	31	20	01	54	19	2345
Ayr	Prestwick Airport	35	33	33	19	2	11	58	299	339	22	0	11·6	180	34	19	24	63	19	2210
Dumfries	Eskdalemuir ..	825	50	35	–	0	7	25	183	283	229	0	7·6	080	29	13	11	57	13	1000
ENGLAND and WALES																				
6b Isle of Man	Point of Ayre ..	70	40	35	13,19	13	13	91	318	267	31	0	13·5	190	39	19	21	69	19	2210
2 Durham	Durham	399	53	33	–	0	4	7	172	401	134	6	7·8	170	28	19	22	55	19	2150
	South Shields ..	73	57	44	13	4	5	30	184	422	80	0	9·2	110	38	13	13	53	13	1140
Yorks.,E.R.	Spurn Head ..	64	44	34	13	7	10	84	246	363	20	0	12·0	130	41	13	11	54	13	1025
Lincoln	Cranwell	288	47	47	–	0	3	12	178	285	245	0	7·2	140	30	13	10	46	13	0850
3 Norfolk	Gorleston	52	42	34	*															
Suffolk	Mildenhall	98	83	60	–	0	1	2	192	403	123	0	7·8	140	27	13	10	48	13	1005
	Felixstowe	85	75	65	13	3	8	36	231	239	211	0	9·0	150	37	13	11	54	13	1120
Bedford	Dunstable	567	55	33	–	0	0	0	176	350	194	0	7·2	160	21	13	08	34	18	2040
	Cardington	285	150	135	–	0	6	29	192	253	246	0	8·0	120	28	13	09	46	13	1335
Herts.	Stevenage	564	111	65	–	0	2	12	244	351	113	0	9·0	140	27	13	09	50	13	0940
Essex	Coryton	66	57	48		0	1	1	179	452	88	0	8·1	–	25	13	10	50	13	1415
	Shoeburyness ..	115	104	89	13	5	12	104	283	281	47	0	12·5	150	40	13	09	52	13	0845
4 Yorks.,W.R.	Sheffield	533	83	35																
Leicester	Leicester	266	66	45	⁄															
Warwick	Birmingham ..	643	118	73	–	0	2	4	147	522	47	0	8·2	180	24	19	20	44	19	1945
Stafford	Keele	706	50	40	–	0	0	0	103	352	265	0	5·8	160	20	19	21	45	19	1935
Gloucester	Avonmouth ..	92	61	33	13	5	9	53	221	275	166	0	9·7	200	35	13	14	55	13	1730
5 London	Kingsway	231	160	40	–	0	0	0	38	400	282	0	4·7	230	17	13	18	38	13	1705
Middlesex	Hampton	139	101	100	–	0	1	1	139	378	202	0	6·5	190	22	13	10	43	13	0920
Surrey	Kew Observatory ..	92	75	50	–	0	0	0	146	351	223	0	6·3	160	20	13	09	43	13	1710
Kent	Isle of Grain ..	48	40	33	–	0	1	5	94	136	413	72	4·1	170	27	13	10	43	13	0950
	Dungeness ..	70	50	33	*															
	Dover	68	38	62	13	2	11	93	224	284	117	0	11·3	180	36	13	12	60	14	0710
Sussex	Thorney Island ..	75	65	42	13	1	3	11	198	237	273	0	7·4	180	35	13	08	59	13	1215
Hants.	Southampton (Eastleigh)	95	60	41	–	0	1	3	170	318	229	0	7·1	180	32	13	08	57	13	0725
	S. Farnborough ..	318	69	35	–	0	0	0	107	402	211	0	5·9	230	17	13	13	49	13	0930
Berks.	Abingdon	295	40	40	–	0	2	3	157	223	337	0	5·7	200	22	13	17	46	13	1655
Wiltshire	Larkhill	491	51	36	–	0	2	11	186	399	124	0	8·2	150	26	13	07	48	13	1225
	Porton	406	44	44	–	0	3	19	171	332	198	0	7·8	230	29	13	18	49	13	1500
7a Cumberland	Sellafield	83	39	35	–	0	7	37	298	302	83	0	10·5	110	33	19	20	54	19	1920
Westmorland	Moor House ..	1960	50	45	8	1	16	106	340	181	55	37	13·8	–	39	8	21	56	8	2040
Lancashire	Southport	59	41	33	–	0	3	13	189	325	148	45	8·0	280	27	4	15	42	19	1915
	Speke	180	100	65	19	1	7	34	285	273	127	0	9·9	160	37	19	20	56	19	1930
Cheshire	Bidston Observatory	262	64	39	–	0	3	15	236	377	78	14	–	120	26	13	07	49	13	0550
	Manchester Airport	318	70	30	19	3	7	32	319	316	50	0	10·8	170	36	19	20	58	19	1915
7b Anglesey	Holyhead (Valley) ..	76	50	40	8,9,19	14	14	89	389	165	63	0	14·0	170	41	19	19	61	19	1945
8a Cardigan	Aberporth	483	41	41	13,19	11	14	78	417	205	9	0	14·5	260	42	13	16	64	19	1820
Pembroke	Kete	249	49	37	**															
	Milford Haven ..	246	50	35	13,19	12	8	57	284	285	73	9	11·6	290	40	13	15	63	13	1440
Glamorgan	Port Talbot ..	91	40	35	13	8	5	32	291	370	19	0	11·2	–	38	13	13	60	13	1225
8b Devon	Plymouth	191	88	65	13,19,25	22	11	89	190	295	124	0	11·5	–	45	13	04	71	13	0940
Cornwall	St. Mary's, Scilly ...	230	65	57	13,14,19	29	14	94	315	199	83	0	14·3	280	49	13	11	68	13	0725
	The Lizard	315	75	60	9,13,19,25	40	17	133	278	171	98	0	14·9	180	51	19	16	79	13	0345
NORTHERN IRELAND																				
Londonderry	Ballykelly ..	52	50	35	–	0	8	53	228	292	147	0	9·7	190	31	19	24	61	19	2250
Antrim	Aldergrove ..	281	65	55	19,20	6	12	76	280	266	92	0	11·5	150	47	19	21	72	19	2030
	Nutts Corner ..	344	31	31	–	–	–	–	–	–	–	–	–	180	40	19	22	65	19	2140
CHANNEL ISLES																				
	Jersey Airport ..	359	86	50	13,14	19	17	145	306	229	21	0	14·9	260	40	13	11	66	13	1010

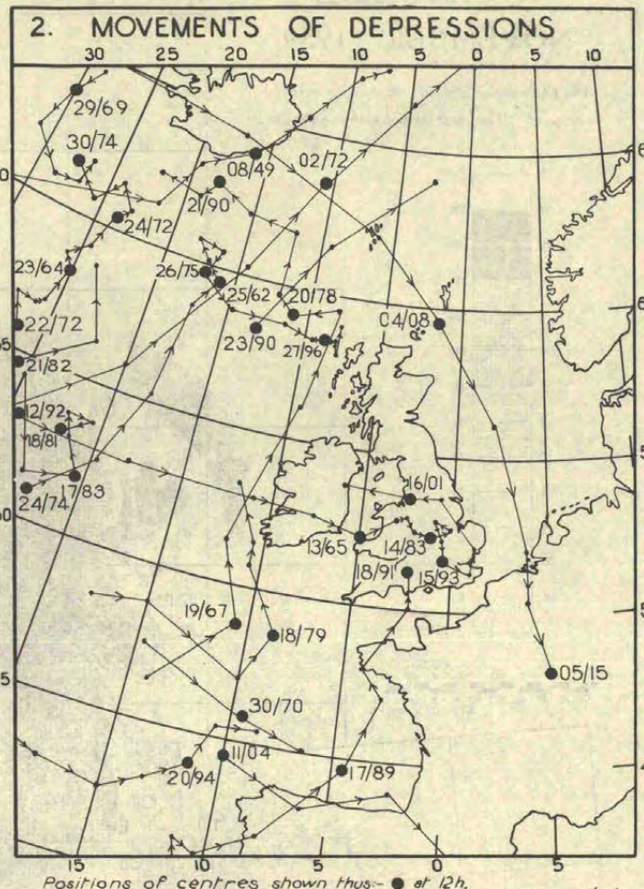
* Defective record
⁄ Anemograph out of order
Ø Also on 18–20,22,23,25–28
⁄ Also on 20,25
⁄⁄ Also on 20,25
** Incomplete record
⁄⁄ Also on 18–20,25

MONTHLY WEATHER CHARTS NOVEMBER 1959

1. MEAN PRESSURE 9A.M.

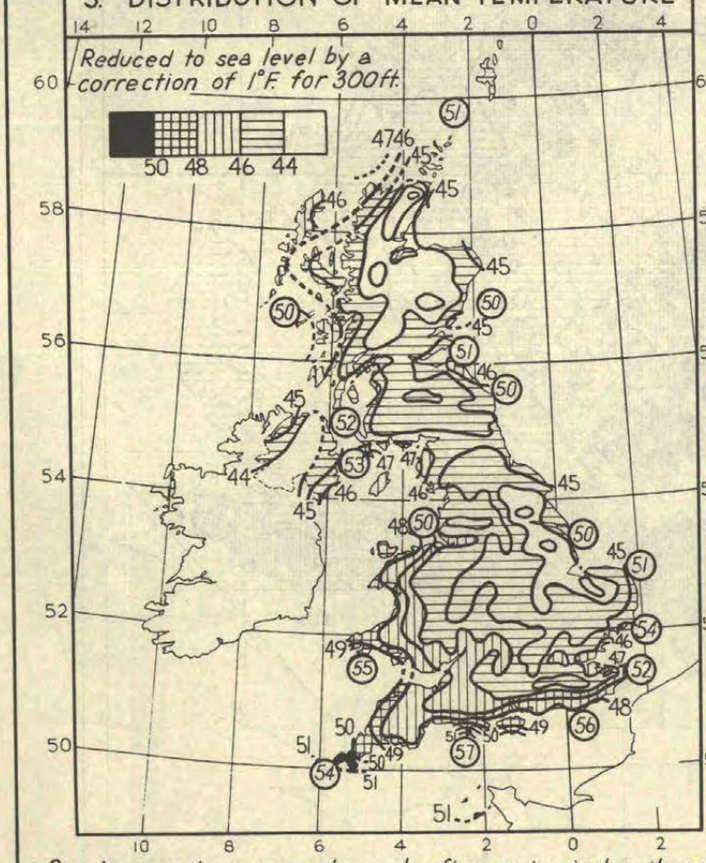


2. MOVEMENTS OF DEPRESSIONS



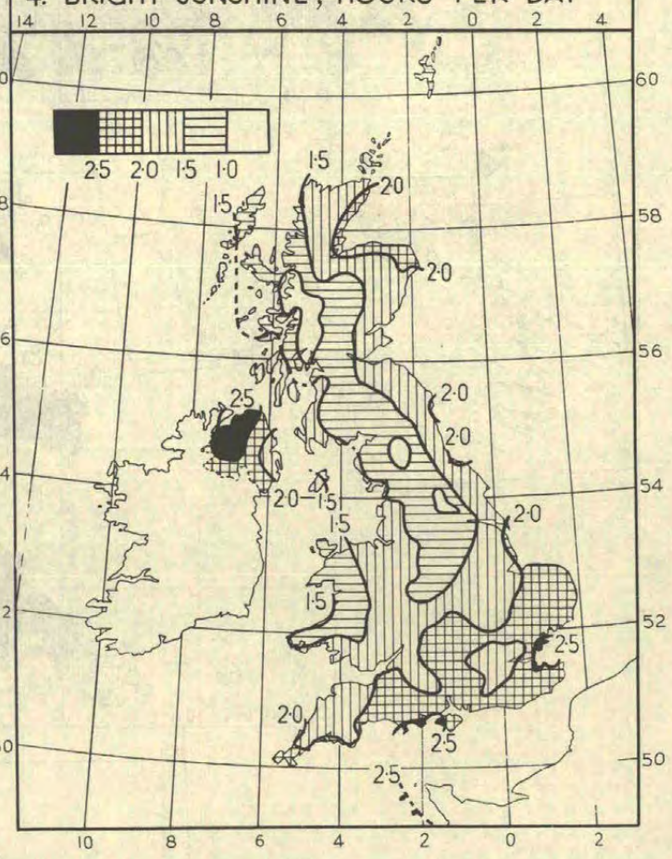
Positions of centres shown thus:- ● at 12h.
First two figures show date, last two central pressure (mb)

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY



A.M. Form 1483

C.B.H. 26456-WL 44536-Dd.BK 2328-125-9·55

RAINFALL
NOVEMBER 1959

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

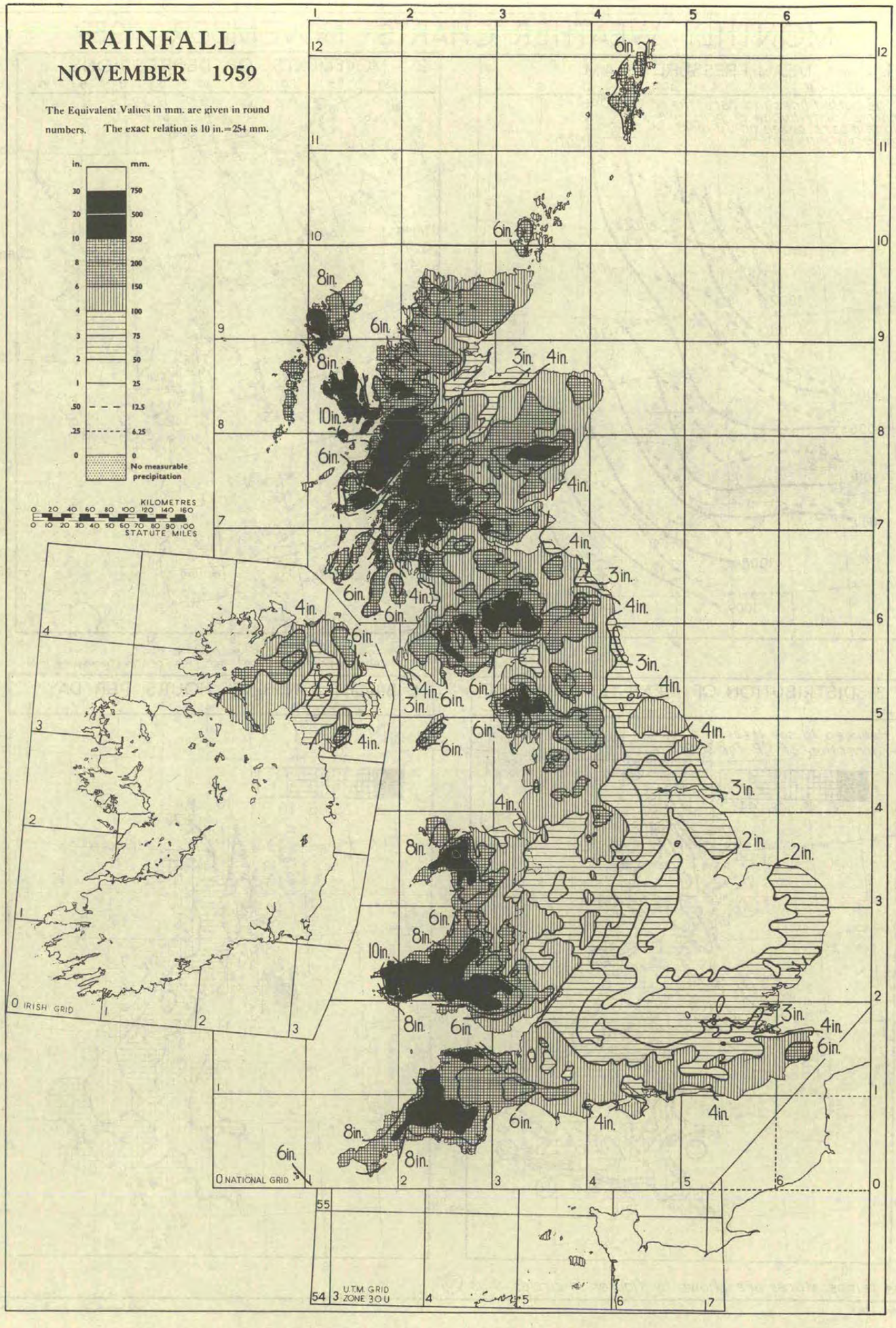


TABLE III — SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER — NOVEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n 0·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0	SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21-9 9	269	47·2	40·8	44·0	+2·0	53	2	33	12	–	–	5·61	121	·97	14	27	23	1	0	9	1	0	0	4	4	1·26	112
	Baltasound ...	9 9 9	78	47·8	39·8	43·8	–	54	2	31	13	45·1	–	5·94	116	·58	9	28	25	5	0	1	1	0	1	–	3	1·10	–
Orkney	Sule Skerry ...	9 9 9	43	49·4	45·2	47·3	–	57	2	38	10	–	–	5·31	–	·51	29	26	24	0	0	4	0	0	0	0	5	–	–
	Grimsetter ...	21-9 9	84	47·9	40·6	44·3	–	57	2	32	10, 11	–	–	5·63	128	·98	14	24	19	3	0	6	3	0	2	3	6	1·80	–
Caithness	Wick ... ¶§	21-9 9	119	48·7	41·0	44·9	+1·9	58	2	28	12	–	–	4·27	135	·76	14	23	17	2	0	7	0	0	1	6	4	2·20	126
Sutherland	Cape Wrath ...	21-9 9	367	48·2	42·6	45·4	–	58	2	35	10,11,13	–	–	4·09	76	·39	14	24	22	4	0	1	0	0	0	4	–	–	–
	Lairg (Achany) ...	9 9 9	240	47·8	35·0	41·4	–	61	2	20	12	42·7	47·1	4·82	–	1·16	18	23	16	5	0	4	0	1	8	21	1	–	–
	Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9 9 9	120	48·3	36·6	42·5	–	60	2	26	12	–	–	6·71	–	1·02	14	24	19	6	0	0	1	0	5	–	0	1·80	– S
Ross & Cromarty	Stornoway ¶§	21-9 9	11	49·3	41·8	45·5	+1·7	55	1,2,23	27	12	–	–	6·83	152	·96	13	28	22	1	0	5	2	0	2	5	7	1·27	81
	Achnashellach ...	9 9 9	220	49·6	37·6	43·6	+2·2	61	22	25	12	–	–	9·41	117	1·48	8	28	22	3	0	4	0	0	4	–	2	–	–
	Kinlochewe ...	9 9 9	76	49·3	38·3	43·8	–	58	2	26	12	–	–	8·57	–	1·36	8	26	22	1	0	1	1	0	2	7	0	0·80	– S
	Garve (Inchbae)	9 9 9	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Fortrose ... ¶§	9 9 9	15	48·9	40·8	44·9	+1·6	57	1,2	32	12	–	–	2·84	127	·99	14	18	11	0	0	0	0	0	1	–	2	1·82	101
	Tarbatness ...	21-9 9	60	45·9	40·8	43·3	–	53	1,23	29	12	–	–	2·22	–	·85	18	18	10	0	0	0	0	0	2	–	1	–	–
Inverness	Benbecula ...	21-9 9	19	49·3	42·8	46·1	–	55	1,2	30	12	–	–	6·51	129	·97	8	29	24	3	0	7	1	0	1	5	9	1·86	–
	Isle of Rhum ...	9 9 9	15	50·1	41·8	45·9	–	58	2	31	12	47·2	51·5	4·02	–	1·95	8	26	24	1	0	6	0	0	2	6	4	–	–
	Duntulm ...	9 9 9	294	48·8	41·1	44·9	–	55	1,22,23	33	10,11,12	–	–	8·24	146	1·72	8	28	24	2	0	5	2	0	0	2	3	1·40	– S
	Onich ... §	9 9 9	48	49·4	40·0	44·7	–	58	23	24	12	–	–	9·78	124	1·31	23	27	27	1	0	1	2	0	2	10	2	1·00	75 S
	Fort William ¶	9 9 9	34	49·5	39·6	44·5	+1·3	58	1,19	26	12	45·1	48·7	10·46	133	1·76	8	27	23	2	1	0	1	0	2	7	2	0·60	–
	Fort Augustus ...	9 9 9	70	49·0	38·1	43·5	+2·1	57	1,19,23	24	12,13	–	–	6·04	–	1·04	8	26	17	2	1	0	0	1	3	–	3	1·29	– S
	Cannich	9 9 9	350	49·5	33·0	41·3	–	56	2,4,21	12	12	–	–	6·60	–	1·59	8	20	19	3	1	0	0	0	11	20	0	–	–
	Dalwhinnie ...	18-9 9	1176	–	–	–	–	–	–	–	–	–	–	6·37	127	–	–	25	23	–	–	–	–	–	–	–	–	–	–
	Inverness ...	9 9 9	13	49·5	38·2	43·9	–	(62)	2	27	12	–	–	3·50	–	·95	14	14	11	0	0	0	1	2	2	19	0	1·92	–
	Kincraig	9 9 9	780	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenmore Lodge	9 9 9	1120	45·9	33·5	39·7	–	56	22,23	17	12,13	–	–	5·64	–	1·55	13	16	14	6	1	0	0	0	11	19	0	1·35	– S
1	SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	49·5	36·7	43·1	+0·8	62	2	22	12,13	–	–	2·41	110	·72	13	11	11	0	0	1	1	0	5	–	0	2·08	114
Moray	Grantown-on-Spey	9 9 9	720	47·2	32·3	39·7	–	58	2,26	15	12	–	–	3·35	–	·97	13	20	12	–	1	–	–	0	14	18	–	–	–
	Forres	9 9 9	155	49·1	36·7	42·9	–	61	2	25	12	43·4	48·0	2·26	106	·62	14	16	11	0	0	0	0	0	5	11	0	2·10	–
	Kinloss ...	21-9 9	15	49·3	38·2	43·7	–	60	2,23	22	12	–	–	2·05	–	·52	13	19	11	0	0	2	2	0	4	9	1	2·25	–
	Findhorn ...	21 21 9	20	48·8	38·9	43·9	–	59	2	29	12	–	–	2·06	–	·52	14	17	10	0	–	1	0	–	2	7	1	–	–
	Elgin	9 9 9	92	50·0	38·4	44·2	–	62	2	26	12	–	–	2·67	–	·74	13	16	11	0	0	0	0	0	3	5	0	2·34	–
	Gordon Castle ...	9 9 9	104	49·6	37·2	43·4	+1·2	60	2	27	12,13	–	–	3·77	130	1·09	13	17	14	–	0	–	–	–	5	–	0	1·80	102 S
Banff	Glenlivet... ...	9 9 9	1085	45·0	34·0	39·5	–	57	2	12	12	42·8	–	6·00	177	1·28	18	18	16	5	1	1	0	0	10	15	1	1·94	– S
	Banff	9 9 9	80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aberdeen	Braemar	9 9 9	1113	44·6	34·4	39·5	+1·5	54	2	14	12	–	–	6·43	169	1·24	18	26	20	0	3	0	0	0	8	6	0	0·89	– S
	Balmoral... ...	9 9 9	927	46·0	34·4	40·2	+2·1	56	2	15	12	–	–	6·05	181	1·42	18	23	16	1	1	0	0	–	8	13	0	–	–
	Logie Coldstone	9 9 9	608	47·8	35·8	41·8	+2·4	58	2	16	12	–	–	5·57	–	1·08	17	22	17	0	0	0	0	–	7	–	1	–	–
	Fyvie Castle ...	9 9 9	218	48·7	36·5	42·6	–	58	2	19	12	–	–	4·68	–	1·00	18	21	19	0	0	0	0	–	6	14	–	2·07	– S
	Craibstone ¶§	9 9 9	300	48·3	39·1	43·7	+2·3	56	2	25	12	44·6	47·7	4·99	141	·81	19	22	16	0	0	3	1	0	3	4	0	1·90	88
	Dyce	21-9 9	190	48·6	38·6	43·6	–	57	2	19	12	–	–	4·50	123	·72	18	19	17	0	0	3	1	0	6	9	0	1·93	–
	Aberdeen ...	9 9 9	170	49·1	39·4	44·3	–	57	2	23	12	–	–	4·31	127	·60	18	21	18	1	0	1	1	0	3	9	0	1·85	– S
	Udny	9 9 9	363	48·1	38·6	43·3	–	56	2	25	12	–	–	5·07	–	1·10	18	20	18	0	0	1	0	0	5	–	0	1·80	–
	Rattray Head ...	21-9 9	85	48·4	42·2	45·3	–	57	2	28	12	–	–	5·06	164	·75	18	23	20	1	0	2	0	0	3	–	7	2·26	–
Kincardine	Fettercairn ...	9 9 9	560	46·9	37·4	42·1	–	55	2	25	11	–	–	8·40	–	1·27	17	23	21	0	0	1	0	1	5	12	0	1·60	– S
	Stonehaven ...	9 9 9	12	49·7	39·1	44·4	–	57	2	26	12	–	–	4·92	158	·69	16	21	16	0	0	0	1	2	5	–	1	1·64	– S
	Muchalls ...	9 9 9	210	49·0	39·8	44·4	–	56	2	28	11	–	–	4·45	–	·58	13	18	22	17	0	0	1	0	4	9	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	48·9	38·9	43·9	–	57	23	22	12	43·7	49·0	4·83	–	1·14	13	24	18	0	0	1	2	0	5	10	0	1·71	–
	Dundee ... ¶	9 9 9	147	49·3	39·7	44·5	+2·8	57	2,23	26	12	43·6	–	4·77	167	1·10	13	26	18	0	0	2	1	–	3	13	0	–	–
	Glamis Castle ...	9 9 9	200	48·0	35·7	41·9	–	56	2,23	22	12	–	–	6·56	–	1·82	13	23	20	1	0	1	1	0	6	19	0	–	–
	Buddon Ness ...	9 9 9	15	49·4	39·5	44·5	–	57	2	23	12	–	–	4·60	174	·96	13	25	16	0	–	4	1	0	3	–	1	–	–
	Carnoustie ...	9 9 9	29	49·8	40·7	45·3	–	57	2,23	25	12	45·6	–	4·30	157	1·00	13	20	17	0	0	2	2	0	4	7	1	1·90	–
	Arbroath... ...	9 9 9	95	49·2	41·0	45·1	+2·9	56	2,23	28	12	–	–	3·50	139	·90	13	21	17	0	0	1	1	0	3	6	1	2·00	90
	Montrose... ...	9 9 9	200	48·3	38·4	43·3	–	56	2	23	12	–	–	5·31	188	1·20	13	22	17	2	1	1	3	0	5	–	0	–	–
Perth	Strathyre ...	9 9 9	425	48·8	36·1	42·5	–	55	1,22,24	24	12	43·7	46·6	10·99	–	1·67	8	29	25	3	0	0	0	0	8	8	5	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	47·6	38·7	43·1	–	56	23	27	12	–	–	8·08	–	1·59	13	24	22	1	0	0	0	0	4	6	0	–	–
	Pitlochry ...	9 9 9	473	47·3	33·8	40·5	–	56	23	16	12	–	–	4·39	–	·64	13	27	19	1	2	0	0	0	10	13	0	1·26	–
	Pitlochry (Faskally)	9 9 9	310	47·7	36·0	41·9	–	57	2	19	12,13	43·8	48·1	4·76	–	·70	19	25	21	4	1	0	0	1	7	13	0	–	–
	Perth	9 9 9	77	48·8	37·9	43·3	+2·1	58	2	22	12	–	–	4·82	172	1·08	13	25	18	0	0	1	0	0	5	10	0	1·53	85
	Blairgowrie ...	9 9 9	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenshee Lodge	9 9 9	1100	44·4	33·9	39·1	–	53	22	16	12,13	41·1	–	8·19	–	1·62	13	28	23	6	4	2	0	1	9	12	1	–	–
Fife	Kirkcaldy ...	9 9 9	137	49·1	39·4	44·3	+2·2	57	2,23	25	12	–	–	5·38	89	·85	13	23	21	0	0	0	0	0	5	–	1	1·38	67
	Cupar	9 9 9	82	49·8	38·0	43·9	–	57	2,29	21	12	44·1	–	6·13	–	1·50	13	22	18	0	0	1	1	1	6	8	0	–	–
	Lundin Links ...	9 9 9	40	50·0	42·4	45·7	–	56	1,2,23	30	12	–	–	5·15	–	1·02	13	21	19	0	0	1	2	1	3	–	0	1·49	–
	Leuchars... ...	21-9 9	35	48·8	39·8	44·3	+2·1	57	2, 23	26	12,13	–	–	4·97	196	1·27	13	24	16	1	0	1	3	0	5	8	0	1·93	84
	St. Andrews ...	9 9 9	13	50·0	–	–	–	57	2,23,24	–	–	45·7	49·6	4·17	151	·93	13	22	18	–	0	–	–	0	–	12	0	1·67	76
Midlothian	Balerno	9 9 9	700	50·2	37·5	43·9	–	60	2,23,25	19	12	–	–	6·44	–	1·25	14	25	20	–	0	–	–	–	7	17	–	1·48	–
	Midcalder ...	9 9 9	400	48·8	37·9	43·3	–	58	23	23	12	–	–	5·86	–	·87	13	24	21	0	0	1	1	0	6	7	0	–	–
	Turnhouse ...	21-9 9	114	49·6	40·1	44·9	–	59	2	21	12	–	–	5·26	222	·74	13	21	18	2	0	2	1	3	6	7	2	1·68	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	49·7	39·8	44·7	–	58	2	24	12	–	–	5·05	–	·68	13,16	21	18	0	0	1	0	2	4	8	0	–	–
	Davidson's Mains	9 9 9	200	48·9	39·3	44·1	–	58	2	27	12,13	–	–	5·23	–	·64	14,16	21	18	0	0	1	1	1	4	12	0	1·61	–
	Penicuik ...	9 9 9	620	47·4	37·5	42·5	–	55	2,22,23	21	12	43·8	–	5·83	–	1·01	14	22	21	5	2	0	0	1	7	9	1	0·88	– S
	Bush House ...	9 9 9	605	48·0	37·8	42·9	–	55	2,22,23	22	12	42·7	47·6	5·71	–	·98	14	25	18	2	0	0	0	5	6	–	0	1·45	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	49·1	40·9	45·0	+2·2	57	2,22	30	12	–	–	4·45	184	·79	14	20	19	0	0	2	0	2	1	3	2	1·63	78
	Liberton ...	9 9 9	200	49·3	40·2	44·7	–	58	2,22,23	25	12	–	–	4·74	–	·70	14	18	17	0	0	1	0	1	2	6	3	1·64	–
	Botanic Garden	9 9 9	74	50·1	39·2	44·7	–	59	2	24	12	43·9	–	4·49	–	·75	14	20	18	1	0	2	1	0	5	15	1	1·43	–
E. Lothian	Haddington ...	9 9 9	162	49·8	39·4	44·6	–	58	2	21	12	–	–	4·63	–	·85	13	20	15	0	0	1	1	0	6	6	0	1·76	–
	North Berwick ...	9 9 9	51	50·8	41·5	46·1	+3·3	60	2	30	12	–	–	3·75	160	·76	15	23	17	0	0	1	1	0	2	–	0	1·62	95
	Dunbar	9 9 9	75	50·9	42·1	46·5	–	60	2	28	12	–	–	3·70	–	·63	15	20	13	0	0	2	0	0	1	5	0	1·95	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1 SCOTLAND, E.—cont.																												
Berwick Marchmont ¶§	9 9 9	498	47·7	37·9	42·8	+1·7	55	2, 23	24	12	–	–	4·90	164	·84	13	24	18	1	0	2	0	0	7	–	–	1·29	77 S
St. Abb's Head ...	9 9 9	245	48·5	42·0	45·3	–	56	2, 23	30	11	–	–	2·11	–	·35	15	21	14	0	0	0	1	0	2	4	3	–	–
Peebles Broughton ...	9 9 9	741	47·1	37·9	42·5	–	55	22	21	12	–	–	10·04	–	1·45	13	26	26	4	1	0	0	0	6	9	0	–	–
Blyth Bridge ...	9 9 9	830	46·8	37·5	42·1	–	54	1,19,22	19	12	–	–	6·08	–	1·08	13	26	22	5	1	0	0	0	6	9	1	1·58	–
West Linton ...	9 9 9	800	46·9	36·8	41·9	–	54	2,19,22	17	12	42·0	47·4	5·89	–	·98	13	26	20	4	2	0	0	0	6	9	2	–	–
Peebles	9 9 9	645	48·0	37·3	42·7	–	57	23	20	12	–	–	5·26	–	·94	13	26	24	5	1	1	0	0	6	9	3	1·57	– S
Selkirk Selkirk (Bowhill)	9 9 9	600	47·3	37·5	42·4	–	55	2	20	12	–	–	6·06	–	1·18	13	27	21	4	1	1	1	1	7	–	1	–	–
Roxburgh Hawick (Wauchope)	9 9 9	560	48·3	37·5	42·9	–	56	1	20	12	–	–	5·98	–	1·01	13	25	22	–	0	–	–	0	6	–	–	–	–
Sourhope ...	9 9 9	900	47·1	38·2	42·7	–	56	2	26	12	–	–	7·29	–	2·02	13	22	18	0	0	0	2	0	5	9	0	1·79	–
6a SCOTLAND, W.																												
Argyll Tiree ... ¶§	21–9 9	29	50·1	44·1	47·1	+1·7	56	1,2,23	35	10,16	–	–	5·30	114	·88	8	26	23	0	0	5	0	0	0	3	7	1·57	90
Rhuvaal	21–9 9	47	50·2	42·5	46·3	–	56	1,23	33	10	–	–	7·42	–	·95	9	23	21	3	0	3	0	0	0	1	3	–	–
Colonsay ...	9 9 9	87	50·9	42·3	46·6	–	57	2	31	12	–	–	6·01	106	·86	8	28	23	–	–	–	–	0	1	–	–	–	–
Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loch Shiel (Polloch)	9 9 9	33	49·4	39·3	44·3	–	57	2,22	28	12	–	–	16·28	–	2·36	23	24	23	3	0	0	0	0	2	8	1	–	–
Tarbert (Achaglachgach)	9 9 9	40	51·0	37·2	44·1	–	56	1,6,23	30	12,14	–	–	5·77	–	·65	8,22	26	24	3	0	4	2	0	7	16	0	–	–
Lephinmore ...	9 9 9	30	49·4	39·8	44·6	–	56	1,2,23	30	12	–	–	7·19	–	·92	24	27	21	1	0	3	0	1	1	11	0	1·13	– S
Glenbranter ...	9 9 9	120	48·5	37·6	43·1	+1·5	57	2	28	12	–	–	10·10	103	1·35	22	25	25	1	1	0	0	0	6	9	0	–	–
Dunoon Waterworks	9 9 9	228																										
Dunoon (Benmore)	9 9 9	46	–	36·8	–	–	–	–	26	12	43·8	48·7	9·11	93	1·49	22	23	23	4	0	0	1	1	10	14	1	–	–
Bute Rothesay ¶§	9 9 9	150	49·8	42·2	46·0	+2·1	57	4	33	11	47·1	49·3	6·03	103	·78	8	25	20	2	0	5	1	4	0	7	2	1·48	89
Millport	9 9 9	16	50·5	43·0	46·7	–	56	1,2	26	9	–	–	5·25	113	·77	8	26	22	2	0	5	0	0	1	–	8	–	–
Dunbarton Helensburgh ...	9 9 9	293	48·1	39·5	43·8	+1·4	56	1	30	12	–	–	5·39	92	·67	10	25	22	3	0	2	0	0	3	–	2	1·02	63
Stirling Stirling	9 9 9	151	48·6	39·6	44·1	+2·0	57	20	25	12	43·4	51·1	4·30	114	·69	8	24	21	1	0	0	0	3	4	5	0	–	–
Falkirk	9 9 9	100	50·0	38·6	44·3	–	59	2	23	12	–	–	5·52	154	·73	13	26	20	0	0	0	0	1	5	–	0	–	–
Renfrew Greenock ...	9 9 9	200	49·2	41·7	45·5	+2·0	58	2	33	12	–	–	7·12	108	1·07	22	25	20	0	0	0	0	1	0	5	0	0·88	59 S
Paisley	9 9 9	106	48·6	40·7	44·7	+1·6	56	1,2,23	30	12	46·0	50·8	5·10	114	1·06	8	28	22	1	0	2	0	0	4	2	9	1·25	90 S
Barrhead ...	9 9 9	97	49·2	38·9	44·1	–	57	1,22	26	12	–	–	5·26	–	1·14	8	27	19	3	0	3	0	3	5	9	1	–	–
Renfrew ... ¶§	21–9 9	26	49·0	40·5	44·7	+2·7	57	2,22,23	28	12	–	–	4·57	111	·98	8	26	20	4	0	4	1	3	3	6	1	1·32	91
Lanark Thorntonhall ...	9 9 9	453	47·6	37·3	42·5	–	55	2,22,23	27	12	–	–	5·30	–	1·01	8	27	24	3	1	4	0	–	8	12	0	–	–
Glasgow, Spr. Pk.	9 9 9	351	47·5	39·8	43·7	–	55	1,2,23	29	12	–	–	5·44	1·44	·73	8	29	22	2	0	1	0	1	3	10	0	1·27	–
Coatbridge ...	9 9 9	256	48·5	38·8	43·7	–	56	2,22,23	26	12	–	–	4·35	–	·81	13	27	25	2	0	0	0	0	4	–	2	–	–
Coalburn ...	9 9 9	920	46·1	37·7	41·9	–	54	22,23	27	12	43·9	–	5·75	–	·76	8	27	25	6	2	2	0	1	8	11	4	1·34	–
Leadhills ...	9 9 9	1270	44·3	35·8	40·1	–	52	2,22	20	12	–	–	10·54	–	1·08	20	27	26	6	4	1	0	3	7	10	1	–	–
Carnwath ...	9 9 9	706	46·6	36·6	41·6	–	54	2,22,23	21	12	–	–	5·64	–	·88	13	28	22	4	1	1	0	0	7	11	2	–	–
Ayr Colmonell... ...	9 9 9	170	49·8	40·3	45·1	+1·5	58	2	28	12	–	–	4·62	99	·50	19,23	25	23	–	0	–	–	0	2	11	–	–	–
Turnberry ...	9 9 9	25	50·7	41·0	45·9	+1·3	57	2,27	34	14	–	–	3·92	–	·51	23	27	20	–	0	–	–	0	0	–	–	1·85	– S
Largs (Woodbank)	9 9 9	25	50·3	41·6	45·9	–	59	1	33	8,11,12	–	–	6·09	121	·69	8	25	19	–	0	–	–	2	0	5	–	0·97	–
Barr	9 9 9	400	48·3	38·1	43·2	–	57	1	27	12	–	–	5·89	–	·78	22	28	24	4	0	5	1	0	4	–	2	–	–
Auchincruive ...	9 9 9	147	49·3	39·4	44·3	–	57	2	29	12	46·3	49·9	3·67	96	·59	22	25	17	1	0	5	0	0	2	11	1	1·76	–
Prestwick ...	9 9 9	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Prestwick Airport	21–9 9	30	50·0	40·9	45·5	–	58	2	30	12	–	–	3·93	110	·56	22	22	16	4	0	5	0	0	1	6	2	1·89	–
Kilmarnock ...	9 9 9	115	50·1	40·4	45·3	+2·8	59	22	32	12	44·9	53·5	4·18	–	·63	22	26	20	2	0	4	1	0	1	9	3	1·48	93
Dumfries Moniaive (Dalmacallan)	9 9 9	480	47·3	38·6	42·9	–	54	1,19,23	25	12	–	–	9·91	–	1·23	22	27	24	–	2	–	–	0	6	8	–	–	–
Dumfries... ¶§	9 9 9	140	48·9	39·6	44·3	+2·0	56	1,2	25	12	47·4	50·3	6·69	161	·83	20	26	23	2	–	0	0	0	5	8	0	1·18	63
Ruthwell... ...	9 9 9	95	49·3	37·5	43·4	+1·5	57	1	22	12	–	–	5·22	154	·68	25	25	21	2	–	0	0	–	6	–	1	1·08	69 S
Eskdalemuir ¶§	21–9 9	794	46·4	37·2	41·8	+1·9	53	1,2,23	18	12	46·9	50·1	10·17	170	1·00	13	29	27	5	2	3	1	2	8	9	0	1·40	78
Kirkcud-bright Bargrennan ...	9 9 9	360	48·9	37·1	43·0	–	57	1,23	24	12	–	–	6·91	–	·99	28	27	21	4	1	0	1	1	8	11	0	–	–
Palnure	9 9 9	50	50·2	37·7	43·9	–	58	5	26	8,12	–	–	6·97	–	·93	22	27	19	1	1	2	2	0	7	–	5	–	–
Glenlee	9 9 9	181	49·6	37·6	43·6	–	58	1	24	8,12	–	–	8·43	–	1·18	22	29	24	4	1	3	0	1	7	7	1	–	–
Carsphairn (Dundeugh)	9 9 9	390	48·4	37·3	42·9	–	56	23	22	8,12	–	–	8·09	–	1·28	22	26	23	4	1	0	0	1	7	–	1	–	–
Glenlochar Barrage	9 9 9	154	49·3	38·5	43·9	–	58	1	25	12	–	–	9·86	–	1·65	22	25	21	–	1	–	–	3	6	–	–	–	–
Castle Douglas ...	9 9 9	196	48·7	37·9	43·3	–	56	1,2	22	12	45·5	–	8·07	–	1·32	20	25	22	–	0	–	–	1	6	14	–	1·53	–
Wigtown Stranraer (Penwhirn)	9 9 9	546	47·8	38·9	43·3	–	54	2,22	24	12	–	–	6·04	–	·82	22	26	22	2	1	4	0	2	4	9	3	1·72	–
Mull of Galloway	21–9 9	257	50·0	43·4	46·7	–	57	1	35	12	–	–	2·80	–	·50	28	20	14	0	0	3	0	0	0	–	12	–	–
6b ISLE OF MAN																												
Isle of Man Ronaldsway ...	21–9 9	55	50·7	44·7	47·7	–	58	1,2	30	12	–	–	5·50	153	·91	20	25	20	0	0	6	1	0	1	1	12	1·61	–
Douglas	9 9 9	284	50·3	43·2	46·7	+1·4	58	1	33	12	–	–	7·12	150	1·12	20	27	23	0	0	3	0	0	0	1	3	1·66	77
Point of Ayre ...	21–9 9	30	51·0	44·0	47·5	–	57	1,2	32	11,12	–	–	5·05	155	·88	20	23	18	0	0	0	0	0	2	–	3	1·38	–
2 ENGLAND, N.E.																												
Northum-berland Kielder Castle ...	9 9 9	660	47·8	36·6	42·2	–	56	2	18	12	45·3	–	7·83	175	1·53	13	23	20	1	1	0	1	0	7	11	0	–	–
Bellingham ...	9 9 9	849	47·2	36·9	42·1	+2·4	55	2	23	12	–	–	6·70	201	1·64	13	24	17	1	0	1	1	0	6	–	–	–	–
Allendale Town ...	9 9 9	795	47·8	38·4	43·1	–	55	2,22,23	21	12	–	–	5·22	–	·94	13	22	17	2	2	1	0	0	5	8	1	–	–
Haydon Bridge ...	9 9 9	270	50·1	38·3	44·2	–	59	2,23	15	12	43·4	49·5	4·50	–	·89	13	18	14	1	0	0	0	0	6	11	0	1·32	–
Berwick-on-Tweed	9 9 9	76	50·3	40·6	45·5	+2·5	58	2,23,	25	12,13	–	–	2·89	129	·41	15	22	16	0	0	3	2	0	5	8	1	1·81	83
Cockle Park ¶§	9 9 9	326	49·3	38·6	43·9	+2·0	57	2,23	27	13	43·3	47·4	4·29	155	·73	16	24	17	1	0	4	4	0	6	8	3	1·94	89
Acklington ...	21–9 9	138	49·2	38·5	43·9	–	58	2	25	12	–	–	3·26	–	·62	13	23	18	0	0	3	4	0	8	8	1	2·01	–
Tynemouth ...	21–9 9	95	49·6	42·5	46·1	+0·6	59	23	29	12	–	–	3·00	120	·72	13	19	11	0	0	2	1	3	3	4	3	1·61	–
Durham Chopwellwood ...	9 9 9	446	48·9	38·1	43·5	+1·6	57	2,23	25	12	–	–	4·96	179	·70	30	25	15	1	0	0	2	0	5	13	0	–	–
Ushaw College ...	9 9 9	594	47·9	37·8	42·9	+1·1	57	1,2,23	25	13	–	–	3·91	135	·68	25	20	16	1	0	0	0	0	9	5	–	0	–
Houghall... ...	9 9 9	160	49·3	36·9	43·1	+0·8	59	1,23	18	12	–	–	3·83	143	·54	25	20	15	1	0	1	0	1	7	19	0	1·35	72 S
Durham ... ¶§	9 9 9	336	49·0	37·7	43·3	+0·9	59	23	21	12	45·8	50·2	3·53	142	·54	15	18	14	0	0	0	–	7	8	0	1·52	75
Gateshead ...	9 9 9	509	48·0	39·5	43·7	–	57	23	27	13	–	–	4·27	–	·89	30	20	16	–	0	–	–	0	4	6	–	1·87	–
Middleton St. Gge.	21–9 9	115	49·1	39·5	44·3	–	59	2	22	12	–	–	2·93	–	·39	15	20	14	1	0	0	0	3	6	9	1	1·43	–
West Hartlepool	9 9 9	30	50·7	40·7	45·7	–	59	2	27	12,13	–	–	3·50	–	·52	15	21	16	0	0	1	0	3	3	6	0	1·49	–
Yorks., N. Riding Dishforth ...	21–9 9	106	48·0	38·8	43·4	–	59	1,2	21	12	–	–	3·59	153	·58	25	22	16	1	0	1	0	7	6	7	0	1·10	–
York ... *§	9 9 9	57	49·4	38·2	43·8	+0·4	59	1	25	12	45·1	49·9	2·83	120	·41	12	19	14	0	0	0	0	11	6	–	0	0·93	56 S
Ampleforth ...	9 9 9	313	48·1	38·2	43·1	–	57	2	23	12	–	–	3·63	122	·58	13	20	15	–	–	–	–	5	4	7	–	–	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2 ENGLAND, N.E.—cont.																												
Yorks., N. Riding— cont.	Redcar	9 9 9	25	51·5	40·3	45·9	–	60	2	27	12	–	–	3·51	140	·40	17,30	22	17	0	0	1	0	0	4	–	1	2·06	–
	Whitby	9 9 9	135	50·3	40·0	45·1	–	58	2,3	25	12	–	–	4·67	177	·76	13	20	16	0	0	1	0	0	4	10	1	2·16	–
	Scarborough ¶§	9 9 9	118	49·8	40·7	45·3	+0·5	58	1,2	31	12	–	–	3·55	139	·41	30	21	14	0	0	0	1	1	3	3	2	1·61	89
	Silpho Moor ...	9 9 9	665	46·1	38·1	42·1	–	55	2	28	11,12	44·3	–	5·11	–	·73	25	20	15	–	0	–	–	–	4	9	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	47·3	36·6	41·9	–	56	2	26	12,13	44·2	–	3·94	–	·49	13	19	16	0	0	0	0	3	7	13	0	1·56	–
	Leconfield ...	21-9 9	29	49·1	38·4	43·7	–	58	2	21	12	–	–	2·76	–	·42	17	15	14	0	0	0	0	4	6	7	0	1·57	–
	Hull	9 9 9	8	49·5	39·4	44·5	+0·5	58	1,2	27	12	45·6	50·8	2·30	89	·48	17	16	12	0	0	0	0	4	5	7	0	1·40	87
	Filey	9 9 9	122	49·4	38·1	43·7	–	57	1,2	22	12	–	–	4·39	–	·69	13	17	13	0	0	0	1	3	6	7	0	1·52	–
	Bridlington ...	9 9 9	157	48·8	38·6	43·7	–	57	2	25	13	–	–	3·90	–	·50	2	17	14	0	0	1	0	4	5	8	3	1·72	–
	Spurn Head ...	21-9 9	29	48·8	42·5	45·7	+0·7	57	2	33	12	–	–	1·84	–	·29	4	14	11	0	0	0	0	4	0	–	2	2·00	98
Lincoln	Gunby	9 9 9	443	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Waddington ...	21-9 9	224	48·0	38·5	43·3	–	57	1,2	22	12	–	–	1·63	–	·31	17	18	9	0	0	1	0	7	8	7	0	1·73	–
	Lincoln	9 9 9	22	49·0	36·0	42·5	–	58	1,2,21	19	12	46·8	50·0	1·75	–	·40	12	18	11	0	0	0	0	7	9	12	0	1·15	–
	Cranwell ... ¶§	9 9 9	205	48·9	36·7	42·8	-0·1	58	1,2	20	13	45·7	52·9	1·95	84	·44	17	17	10	0	0	0	0	8	9	9	0	1·86	87
	Horncastle ...	9 9 9	205	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Cleethorpes ...	9 9 9	23	49·5	38·8	44·1	–	59	2	25	13	–	–	2·87	–	·45	30	15	14	–	0	–	–	2	5	5	–	2·02	–
	Manby	21-9 9	55	48·9	38·3	43·6	–	58	2	23	13	–	–	2·46	–	·42	17	17	11	0	0	0	0	5	8	9	0	2·02	–
	Skegness	9 9 9	15	49·2	39·7	44·5	+0·7	58	2	25	12	–	–	2·07	90	·47	17	16	14	0	0	0	0	3	3	6	1	2·30	107
3 ENGLAND, E.																													
Norfolk	Terrington St. Clement ...	9 9 9	13	49·2	36·6	42·9	–	60	2	23	12	46·3	–	1·30	63	·35	17	16	12	0	0	0	0	7	8	7	0	1·63	–
	Marham	21-9 9	76	49·2	37·0	43·1	–	60	2	20	13	–	–	1·29	–	·36	17	17	13	0	0	0	0	8	9	12	0	–	–
	Santon Downham	9 9 9	80	50·2	33·6	41·9	–	59	2	16	13	45·2	49·2	1·31	–	·31	17	14	9	0	0	0	0	–	13	17	–	–	–
	West Raynham ...	21-9 9	250	48·5	38·6	43·5	–	58	2	26	11	–	–	1·79	–	·34	17	17	12	0	0	0	0	5	7	12	0	2·06	–
	Cromer	9 9 9	178	49·5	39·1	44·3	-0·4	59	21	31	11,13	–	–	2·23	82	·45	30	18	16	0	0	0	0	1	2	11	0	2·44	116
	Sprowston ¶§	9 9 9	93	50·0	37·8	43·9	+0·2	57	2,21	24	12	–	–	2·50	94	·68	30	17	12	0	0	0	0	5	9	12	0	2·13	113
	Burlingham ...	9 9 9	89	50·2	38·4	44·3	–	56	2,21	28	13	–	–	2·55	93	·63	30	16	14	0	0	0	0	2	5	10	0	2·06	–
	Gorleston ¶§	21-9 9	5	50·1	41·3	45·7	+0·4	56	2	28	12	47·0	52·5	2·69	98	·47	15	13	12	0	0	0	0	2	2	5	0	2·11	107
Suffolk	Mildenhall ...	21-9 9	15	50·2	39·0	44·6	–	61	2	22	13	–	–	1·10	54	·28	17	13	9	0	0	0	1	1	6	8	11	0	2·07	–
	East Bergholt ...	9 9 9	14	51·1	36·1	43·6	–	58	2	21	12	–	–	2·11	–	·46	9	14	12	0	0	0	0	4	11	12	0	–	–
	Felixstowe ...	21-9 9	10	50·4	43·0	46·7	+1·4	56	1	31	12	–	–	2·51	108	·43	9	17	13	0	0	0	0	1	1	3	1	2·26	103
	Lowestoft ...	9 9 9	82	50·8	40·6	45·7	+1·1	56	1,2	27	12	45·8	50·5	2·71	100	·43	30	14	12	0	0	0	0	1	3	6	1	2·06	99
Cambridge	Boxworth ...	9 9 9	157	50·2	38·0	44·1	–	60	2	20	13	–	–	1·15	55	·49	17	16	8	0	0	0	0	3	8	11	0	2·02	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	50·8	37·2	44·0	+0·5	61	2	21	13	45·7	51·7	1·48	71	·39	17	16	9	1	0	1	1	4	9	13	–	2·00	104
Huntingdon	Wyton	21-9 9	129	49·5	38·5	44·0	–	60	2	22	12,13	–	–	1·19	–	·45	17	16	10	1	0	1	0	7	7	9	0	–	–
Bedford	Woburn	9 9 9	291	49·5	37·6	43·5	+0·7	58	20	19	12	43·8	50·6	2·21	90	·56	17	16	12	0	0	0	0	3	10	12	0	1·90	95
	Harrold	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Dunstable ...	21-9 9	516	49·7	39·7	44·7	–	59	2	28	12	45·1	51·1	2·25	–	·62	17	15	13	0	0	0	0	2	4	10	0	2·24	–
	Goldington ...	9 9 9	107	50·7	37·7	44·2	–	60	2,20	21	12	–	–	1·72	–	·56	17	15	11	0	0	0	0	3	9	14	0	–	–
	Luton	9 9 9	379	49·7	37·8	43·7	+0·7	58	2,20	23	12	45·9	–	2·13	80	·72	17	14	11	–	0	–	–	2	8	10	–	2·07	111
	Silsoe	9 9 9	195	50·6	37·1	43·9	–	60	20	21	12	45·6	51·0	1·72	76	·48	17	15	11	0	0	1	1	5	10	13	0	1·89	–
	Cardington ...	21-9 9	93	50·0	38·0	44·0	–	60	2	21	12	–	–	1·78	85	·56	17	15	11	1	0	0	0	5	8	13	0	1·62	–
Hertford	Bovingdon ...	21-9 9	516	48·8	37·9	43·3	–	58	2	23	12	–	–	2·22	–	·58	17	17	13	1	0	0	0	4	9	13	0	–	–
	Garston	9 9 9	263	50·5	37·4	43·9	–	60	2	21	12	–	–	2·12	–	·54	17	19	10	0	0	2	1	8	10	12	0	1·55	–
	Rothamsted ¶§	9 9 9	420	49·5	36·8	43·1	+0·6	58	2,20	24	12	45·2	51·0	2·22	73	·58	17	19	11	0	0	0	2	4	9	12	0	2·18	106
	St. Albans ...	9 9 9	272	50·3	36·9	43·6	+0·8	59	2	20	12	45·8	–	2·18	78	·55	17	17	10	0	0	0	1	7	10	13	0	–	–
	Bayfordbury ...	9 9 9	221	50·9	37·3	44·1	–	60	2	22	12	–	–	2·38	93	·55	17	14	11	0	0	0	1	4	10	12	0	2·10	–
	Stanstead Abbotts	9 9 9	97	51·8	34·9	43·3	–	59	2,20,21	17	13	48·5	52·5	2·25	–	·49	17	16	12	–	0	–	–	7	11	12	–	–	–
	Eastwick Lodge...	9 9 9	137	51·0	36·5	43·7	–	60	2	20	12	–	–	2·42	98	·55	17	17	10	–	0	–	–	4	12	–	–	–	–
Essex	Stansted ...	9 9 9	330	49·6	38·1	43·9	–	58	2	25	12	–	–	2·54	–	·57	17	19	9	0	0	0	1	8	8	10	0	–	–
	Saffron Walden	9 9 9	295	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Writtle	9 9 9	105	51·1	36·7	43·9	–	59	2	22	12	–	–	2·33	95	·61	17	15	9	0	0	0	0	5	9	11	1	1·89	–
	Coryton	9 9 9	9	52·3	40·8	46·5	–	59	1,2	26	12	46·8	54·0	1·97	–	·46	17	14	12	0	0	0	0	2	5	6	0	–	–
	Southend ...	9 9 9	90	52·1	41·2	46·7	–	58	2,21	32	12	–	–	2·41	102	·52	17	14	11	0	0	0	1	2	1	2	0	2·44	120
	Maldon	9 9 9	14	52·4	36·3	44·3	–	59	2,21	23	12	–	–	2·50	–	·68	17	17	12	0	–	0	0	9	9	–	0	–	–
	Earls Colne ...	9 9 9	160	51·2	36·6	43·9	–	58	2	22	12	45·5	51·7	2·21	88	·58	17	14	11	–	0	–	–	8	10	16	–	–	–
	Shoeburyness ¶§	21-9 9	11	51·3	41·0	46·1	+1·2	57	1,2,21	28	12	–	–	2·85	127	·52	9	15	11	0	0	1	1	2	5	10	0	2·59	122
	Clacton	9 9 9	53	50·0	41·9	45·9	–	56	1	31	8	46·6	52·2	2·50	105	·52	17	14	13	0	0	0	0	0	2	4	1	2·61	122
	Walton-on-Naze	9 9 9	35	50·3	40·3	45·3	–	56	1,2	29	12	–	–	2·93	–	·58	9	14	13	0	0	1	0	0	5	18	1	2·35	–
	Dovercourt ...	9 9 9	11	50·6	38·4	44·5	–	56	1,2	28	12,13	–	–	2·36	–	·50	9	14	12	–	–	–	–	1	6	13	1	2·16	–
4 MIDLAND COUNTIES																													
Yorks., W. Riding	Slaidburn ...	9 9 9	629	47·6	38·1	42·9	–	57	2,19	21	12	–	–	6·67	–	1·64	25	25	20	3	1	0	0	0	3	6	5	1·20	–
	Malham Tarn ...	9 9 9	1297	44·8	36·6	40·7	–	52	2	26	12	45·0	–	7·32	–	1·55	25	26	24	5	3	1	0	4	7	15	0	–	–
	Bingley	9 9 9	610	47·9	38·5	43·2	–	58	23	25	12	–	–	4·15	111	·66	25	24	19	2	1	1	1	3	5	13	0	–	–
	Huddersfield §	9 9 9	325	49·7	38·7	44·2	+1·6	58	2	21	12	45·2	50·3	3·40	–	·45	25	22	16	–	1	–	–	4	6	12	–	1·45	115
	,, (Oakes)	21-9 9	762	48·2	40·4	44·3	+2·3	58	2	28	12	44·3	48·1	3·76	96	·56	25	24	18	2	1	1	0	2	4	9	1	1·73	–
	Bradford ¶	9 9 9	439	48·3	39·1	43·7	+1·2	58	2	25	12	44·8	50·5	4·47	127	·58	13	25	19	2	1	0	0	3	6	11	0	–	–
	Ilkley	9 9 9	315	49·0	38·3	43·7	+1·5	57	1,2	23	12	–	–	4·16	109	·59	25	19	19	0	0	0	0	0	6	–	0	1·35	87 S
	Sheffield	9 9 9	429	48·7	40·2	44·5	+0·7	58	1	28	12	45·4	51·2	4·17	130	·67	13	20	17	0	0	0	0	–	2	14	0	1·22	79
	Wakefield ...	9 9 9	121	49·4	37·5	43·5	+0·3	59	1,2	26	12,13	46·2	50·5	3·16	123	·44	13	17	16	1	0	0	0	10	8	13	0	–	–
	Killinghall ...	9 9 9	365	47·8	37·5	42·7	–	57	2	22	12,13	45·4	–	4·53	–	·63	25	22	19	0	0	0	0	4	6	11	0	1·28	–
	Pontefract ...	9 9 9	255	48·5	38·1	43·3	+0·4	57	1,2	24	12	–	–	3·02	130	·44	12	22	15	0	0	0	0	12	7	8	0	1·25	–
	Bramham ...	9 9 9	177	48·9	36·4	42·7	–	60	2	20	12	–	–	2·81	–	·38	26	19	14	1	0	0	0	6	9	12	0	1·11	–
	Cawood	9 9 9	20	48·8	36·8	42·8	–	58	2	24	12	45·0	50·0	2·66	112	·35	12,26	17	16	0	0	0	0	4	7	10	0	1·07	–
	Askham Bryan ...	9 9 9	90	49·1	36·7	42·9	–	59	2	22	12	–	–	2·87	115	·47	12	18	14	0	0	0	0	10	8	7	0	0·88	–
Derby	Buxton	9 9 9	1007	45·4	37·1	41·3	+0·4	54	2	19	12	43·1	47·8	5·88	118	1·35	25	25	21	3	3	1	0	7	7	9	0	–	–
	Chapel en le Frith	9 9 9	728	47·5	37·2	42·3	–	57	2	22	12	–	–	5·24	–	1·10	25	21	18	3	2	0	0	3	9	14	0	–	–
	Wirksworth ...	9 9 9	565	47·8	38·1	42·9	–	57	1	25	12	–	–	3·95	–	·71	25	21	17	2	0	0	0	6	7	9	3	–	–

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm. or more	Precip'n ·04in.(1·0mm. or more	Snow or Sleet	Snow lying	Hail	Thunderheard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	49·9	37·6	43·7	–	57	1,2,20	24	12,13	–	–	2·52	–	·40	12	17	12	0	0	0	0	10	10	9	0	0·95	–
Morley	9 9 9	350	48·4	37·4	42·9	–	57	1,2	22	12	–	–	2·62	–	·41	12/25	21	11	0	0	0	0	–	10	10	0	1·12	– S
Chesterfield ...	9 9 9	298	49·0	37·5	43·3	–	58	1,2	23	12,13	–	–	3·98	–	·71	25	19	13	1	0	0	0	5	7	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	49·3	37·3	43·3	+0·3	57	1,2,20	21	12	46·4	50·8	2·23	101	·41	14,25	19	10	0	0	1	0	6	11	13	0	1·26	71
Watnall ...	21–9 9	385	48·1	39·2	43·7	–	57	1	22	12	–	–	2·28	85	·40	25	18	10	0	0	0	0	8	7	12	0	1·18	–
Mansfield ...	9 9 9	357	48·0	38·7	43·3	+0·7	57	1	26	12	–	–	3·24	114	·55	25	18	14	0	0	0	0	10	7	7	0	–	–
Nottingham ¶§	9 9 9	192	49·6	39·1	44·3	+0·7	59	1	27	12,13	45·0	51·2	1·86	81	·35	25	19	10	0	0	0	0	6	7	8	0	1·12	66
Warsop	9 9 9	150	48·9	36·4	42·7	–	58	1	18	12	–	–	2·79	116	·52	13	19	13	1	0	0	0	5	10	11	3	1·10	–
Finningley ...	21–9 9	34	48·5	38·9	43·7	–	59	2	23	12,13	–	–	2·73	–	·42	12	19	14	0	0	0	0	5	7	9	0	1·41	– S
Langar	21–9 9	106	48·7	38·4	43·5	–	58	1	19	13	–	–	2·13	–	·48	25	18	10	0	0	0	0	6	9	11	1	–	–
Leicester Leicester (Towers)	9 9 9	267	49·6	38·0	43·8	–	58	1,2	22	12	46·1	51·5	–	–	–	–	–	–	0	0	0	0	8	7	9	3	–	–
Caldecott ...	9 9 9	175	50·4	35·3	42·9	–	61	2	16	13	–	–	2·23	–	·78	14	13	8	0	0	0	0	7	12	15	0	1·74	–
Northampton Wellingborough	9 9 9	298	49·9	37·8	43·9	–	58	2,20,21	22	12	–	–	1·74	–	·43	17	17	9	0	0	0	0	6	8	12	0	–	–
Kettering ...	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	49·9	36·5	43·2	–	57	2,20	19	12	45·2	51·5	1·77	77	·50	17	18	11	0	0	2	0	4	9	11	0	–	–
Wittering ...	21–9 9	216	49·3	38·1	43·7	–	59	2	22	13	–	–	1·59	–	·47	17	17	10	0	0	0	0	6	8	12	0	1·95	–
Warwick Birmingham ¶§	21–9 9	536	48·4	41·2	44·8	+1·4	56	1,2, 19	29	12	47·1	51·3	4·33	137	1·11	25	19	14	0	0	1	1	4	2	9	0	1·68	103
Luddington ...	9 9 9	138	50·3	37·0	43·7	–	59	2	22	12	–	–	2·61	116	·56	25	18	11	0	0	0	0	4	13	11	2	1·86	–
Stratford on Avon	9 9 9	160	50·7	36·6	43·7	–	60	1	21	12	45·7	–	2·70	–	·65	25	17	11	0	0	0	0	3	12	15	1	1·80	–
Elmdon	21–9 9	319	49·1	38·6	43·9	–	57	2	19	12	–	–	3·78	141	1·07	25	18	15	0	0	1	1	5	9	12	0	1·68	–
Shipston on Stour	9 9 9	365	49·8	38·0	43·9	–	59	2	25	6	45·3	–	2·92	–	·92	25	19	12	0	0	0	0	1	7	14	–	2·33	–
Wellesbourne ...	9 9 9	153	49·9	37·1	43·5	–	59	2	22	12	45·1	49·8	2·06	85	·41	25	16	10	0	0	0	0	3	13	13	1	1·96	–
Moreton Morrell	9 9 9	280	49·6	38·2	43·9	–	59	2	22	7	–	–	2·15	–	·43	14	21	11	0	0	0	0	2	7	11	0	2·17	– S
Coventry... ...	9 9 9	338	49·4	37·8	43·6	+0·6	58	2	25	12	46·2	50·6	2·74	106	·89	25	19	13	0	0	1	0	6	9	–	1	1·56	101 S
Rugby	9 9 9	385	49·2	38·1	43·7	–	58	2	25	12	44·5	49·3	1·93	–	·78	14	14	9	0	0	0	0	–	9	9	0	–	–
Oxford Oxford ... ¶§	9 9 9	208	51·0	38·6	44·8	+0·7	59	1,2, 20	22	12	45·6	51·3	1·76	68	·39	17	16	10	0	0	0	1	5	8	14	0	2·35	114
Buckingham Aylesbury ...	9 9 9	316	50·5	37·3	43·9	–	59	2	20	12	–	–	2·08	–	·49	17	15	12	0	0	1	1	3	8	15	1	2·20	–
Bletchley ...	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	47·8	38·4	43·1	–	57	2	29	12	45·4	50·8	3·27	99	·56	25	20	14	1	0	0	0	7	6	10	0	1·76	–
Oaken	9 9 9	409	48·4	37·6	43·0	–	57	1	21	12	45·7	–	3·43	–	·99	25	16	13	–	–	–	–	–	8	10	–	–	–
Wheaton Aston ...	9 9 9	365	48·8	37·3	43·1	–	56	1,2, 19	18	12	46·1	–	3·13	–	·58	25	17	13	0	0	0	0	5	8	13	1	1·43	–
Stone	9 9 9	350	48·7	37·0	42·9	–	57	1,2	18	12	–	–	3·10	–	·57	25	21	17	0	0	0	0	8	7	12	4	1·01	– S
Penkridge ...	9 9 9	330	48·3	37·5	42·9	–	55	2,19,25	19	12	–	–	3·66	–	1·08	25	18	14	0	0	0	0	5	8	15	0	–	–
Onecote	9 9 9	1350	44·3	36·5	40·4	–	52	2	27	12	41·9	47·7	5·62	–	·99	25	19	19	2	2	0	0	9	6	9	0	1·16	–
Shropshire Oswestry... ...	9 9 9	570	48·8	39·0	43·9	–	58	1	27	12	–	–	4·26	–	·87	25	23	15	0	0	0	0	0	5	9	0	2·21	–
Shrewsbury ...	9 9 9	184	50·0	38·7	44·3	–	59	1,2	22	12	47·8	53·1	2·57	104	·40	2	18	11	0	0	1	0	3	8	12	0	1·66	–
Shawbury ...	21–9 9	235	49·4	38·3	43·9	–	59	1	23	12	–	–	2·30	93	·47	2	19	14	1	0	1	0	5	10	13	0	1·72	– S
Newport ...	9 9 9	211	49·0	37·2	43·1	–	58	2	22	12	–	–	3·11	125	·66	25	19	12	0	0	0	0	4	10	13	1	1·41	–
Worcester Malvern	9 9 9	203	49·8	39·3	44·5	+0·6	58	1,2	25	12	47·0	52·9	4·51	157	1·43	25	21	15	0	0	0	0	1	7	7	0	1·83	86 S
Worcester (Redhill)	9 9 9	190	49·6	38·3	43·9	–	57	1,2,19	23	12	–	–	3·94	163	1·39	25	18	14	0	0	0	0	4	10	13	0	1·59	–
Droitwich ...	9 9 9	106	49·9	38·0	43·9	–	57	1,2,24	23	12	–	–	3·89	–	1·22	25	15	15	0	0	1	0	4	7	–	0	–	–
Pershore (Institute of Horticulture)	9 9 9	130	50·0	39·4	44·7	–	60	2	25	12	–	–	3·80	–	1·37	25	18	16	0	0	0	0	2	7	10	–	2·05	–
Pershore... ...	21–9 9	110	50·2	39·4	44·8	–	58	1	21	12	–	–	3·39	–	1·28	25	19	13	0	0	1	0	4	7	11	0	1·86	–
Halesowen ...	9 9 9	505	48·3	38·0	43·1	–	56	1	23	12	45·9	51·0	4·05	–	·99	25	17	14	0	0	1	1	2	8	10	0	1·65	–
Hereford Lyonshall ...	9 9 9	510	48·5	37·5	43·0	–	58	1	23	12	–	–	3·89	–	·71	25	19	13	–	–	–	–	–	8	17	–	–	–
Ross-on-Wye ¶§	21–9 9	223	50·1	40·9	45·5	+1·0	61	1	23	12	46·4	51·8	5·02	173	1·61	25	18	13	0	0	0	0	4	6	12	2	1·76	90
Preston Wynne ...	9 9 9	274	49·8	37·9	43·9	–	60	1	21	12	–	–	3·96	–	·90	25	20	12	0	0	0	0	3	9	16	1	1·73	–
Gloucester Bristol (Filton) ...	21–9 9	192	50·9	41·3	46·1	–	61	1	25	12	–	–	3·36	109	·85	13	16	13	0	0	0	0	3	5	12	0	1·94	–
Ruscombe ...	9 9 9	610	49·3	39·1	44·2	–	58	1,2	29	12	–	–	3·37	108	·90	25	20	12	0	0	0	0	3	5	–	0	–	–
Cirencester ...	9 9 9	443	49·2	37·7	43·5	–	57	1,2	22	12	–	–	2·83	84	·89	25	16	11	0	0	0	0	2	10	14	–	2·22	–
Little Rissington	21–9 9	740	48·0	39·5	43·7	–	57	2	30	11	–	–	2·58	82	·74	25	21	11	0	0	0	0	3	6	11	1	2·22	–
5 ENGLAND, S.E.																												
London Kensington ...	9 9 9	81	52·0	40·8	46·4	+1·1	61	2	29	12	48·2	53·5	2·45	94	·56	17	16	11	0	0	0	0	5	4	12	0	–	–
Hampstead ...	9 9 9	450	50·3	40·5	45·4	+2·3	59	2	30	12	–	–	2·36	84	·55	17	17	10	0	–	0	2	–	2	8	0	2·16	126
Westminster ...	9 9 9	27	51·6	41·8	46·7	+1·0	60	2,20	30	12	–	–	2·40	98	·51	17	15	12	0	–	0	0	–	3	–	–	–	–
Regent's Park ...	9 9 9	129	52·1	40·4	46·3	–	60	2,20	28	12,13	–	–	2·52	–	·59	17	15	11	–	0	–	–	2	5	9	–	1·87	136
Camden Square ...	9 9 9	121	51·6	41·2	46·4	+1·4	60	2	28	12	47·8	53·7	2·49	96	·52	17	16	12	0	0	0	0	–	3	–	–	–	–
Kingsway ...	—	—																									1·94	–
Bunhill Row ...	—	—																									1·74	141
Greenwich (Maritime Museum)	9 9 9	24	52·0	39·3	45·7	–	60	2	29	7,8,12	–	–	2·64	111	·54	17	15	12	0	0	0	0	3	7	–	0	1·88	–
Middlesex London Airport	21–9 9	82	50·8	39·4	45·1	–	60	2	25	12	–	–	2·11	84	·53	17	14	12	0	0	0	1	1	6	6	11	0	1·77	–
Hampton ...	9 9 9	39	51·9	39·7	45·8	–	62	2	28	12	–	–	2·56	–	·54	17	16	10	0	0	0	1	1	6	7	9	0	2·03	–
Wealdstone ...	9 9 9	175	50·7	38·1	44·4	+0·1	59	2,20	23	12	46·2	54·1	2·34	81	·53	17	19	9	0	0	0	0	7	7	13	0	1·83	–
Southgate ...	9 9 9	221	51·2	39·3	45·3	–	60	2	25	12	47·5	–	2·48	–	·55	17	15	12	1	0	0	2	4	6	12	0	1·42	–
Surrey Farnham... ...	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wisley	9 9 9	150	50·4	38·1	44·3	+0·3	59	2	25	12	46·1	51·2	3·02	107	·72	12	16	12	0	0	2	1	8	9	14	0	1·66	96
Great Bookham	9 9 9	466	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mickleham ...	9 9 9	179	51·5	35·9	43·7	–	58	2,20,21	20	12	–	–	3·56	106	·63	12	16	12	0	0	0	1	3	12	15	0	–	–
Kew Observatory ¶§	21–9 9	18	50·6	41·1	45·9	+1·6	59	2	28	12	45·5	52·0	2·37	95	·55	17	15	10	0	0	2	1	6	6	10	0	1·94	113
Gatwick	21–9 9	194	51·3	36·6	43·9	–	60	2,21	19	12	–	–	3·38	–	·63	12	17	11	0	0	1	2	4	11	12	0	1·84	–
Croydon (Waddon)	9 9 9	220	51·0	39·4	45·2	+0·5	59	21	24	12	–	–	3·61	121	·55	12	16	13	–	–	–	–	–	5	–	–	–	–
Addington ...	9 9 9	474	49·9	40·6	45·3	+1·7	59	2	27	12	–	–	3·01	95	·58	9	17	12	–	–	–	–	1	3	–	–	–	–
Kent Bromley	9 9 9	213	51·3	39·7	45·5	+1·1	61	2	26	12	–	–	3·12	113	·50	9	17	14	0	0	0	0	10	6	–	1	–	–
Swanley	9 9 9	177	51·5	38·1	44·8	–	60	2	23	12	47·0	–	2·93	–	·55	15	16	12	0	0	0	0	6	7	10	1	2·04	–
Dartford... ...	9 9 9	17	52·4	38·0	45·2	–	61	2	25	8,12	–	–	3·00	–	·83	15	14	10	0	0	0	0	6	9	–	0	–	–
Tunbridge Wells	9 9 9	351	50·3	36·9	43·6	+0·5	59	2	22	12	44·3	49·5	4·60	126	1·00	13	18	15	0	0	0	2	1	5	8	10	0	2·31	108
West Malling ...	21–9 9	304	50·3	38·3	44·3	–	59	2	26	7,8	–	–	3·59	117	·83	13	19	12	0	0	0	1	3	8	10	0	2·16	–
Goudhurst ...	9 9 9	290	50·8	36·8	43·8	–	60	2	22	12	–	–	5·45	138	1·63	13	18	15	0	0	0	3	3	8	17	0	–	–
East Malling ¶§	9 9 9	122	51·7	36·4	44·1	+0·8	60	2	23	12	–	50·6	3·53	115	·93	13	18	12	0	0	0	1	4	11	11	0	1·99	105

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5	ENGLAND, S.E.—cont.																												
Kent—cont.	Gillingham ...	9 9 9	14	52·1	39·7	45·9	–	61	21	27	12	–	–	3·16	–	·81	13	16	12	0	0	1	0	0	7	–	0	2·00	–
	Sittingbourne ...	9 9 9	224	51·0	40·0	45·5	–	59	2	28	13	45·6	51·2	4·19	–	1·11	13	18	13	0	0	0	0	4	3	12	2	2·40	–
	Isle of Grain ...	9 9 9	9	52·0	41·2	46·6	–	59	1,2	28	12	–	–	2·66	–	·64	13	14	13	0	0	0	0	1	7	0	2·35	–
	Throwley ...	9 9 9	493	50·0	40·0	45·0	–	56	1,2,22	29	12	45·6	51·6	4·72	–	1·25	13	18	15	1	0	0	2	2	5	10	2	2·24	–
	Faversham ...	9 9 9	157	51·1	39·5	45·3	–	58	2	25	12	46·2	51·2	4·30	–	1·41	13	15	11	0	0	1	1	0	5	9	0	2·47	–
	Dungeness ...	21–9 9	10	52·4	42·5	47·5	–	59	2	29	12	–	–	5·59	183	1·51	13	19	15	0	0	3	4	2	3	–	5	–	–
	Wye	9 9 9	185	51·2	38·8	45·0	+1·2	57	1,19,21	26	12	–	–	4·44	124	1·30	13	17	15	0	0	1	3	1	5	9	0	2·06	97
	Whitstable ...	9 9 9	9	52·2	40·1	46·1	–	59	2	24	12	–	–	3·86	148	·60	9	15	13	–	–	–	–	–	4	–	–	2·39	–
	Folkestone ...	9 9 9	128	52·5	44·1	48·3	–	58	1	36	11	–	55·1	5·55	167	1·41	13	17	14	0	0	1	1	0	0	2	0	1·92	–
	Wingham (Elmstone)	9 9 9	28	51·1	37·1	44·1	–	58	22	25	12	–	–	4·79	–	1·40	13	17	15	0	0	1	3	0	8	10	0	–	–
	Herne Bay ...	9 9 9	21	51·2	41·3	46·3	–	58	2,19	29	13	–	–	3·95	146	1·47	13	14	12	0	0	1	0	0	2	–	0	2·60	–
	Dover	9 9 9	19	52·5	42·9	47·7	+1·4	58	1,3,19	32	12	49·8	54·4	6·66	181	1·81	13	17	13	0	0	3	4	1	1	1	2	2·01	–
	Ramsgate ...	9 9 9	80	52·1	44·4	48·3	–	57	1,20,22	36	12	–	–	5·11	188	1·26	13	16	13	0	0	1	3	0	0	–	–	2·26	106
	Margate	9 9 9	51	51·1	43·8	47·5	+1·0	57	3,19	35	11	47·7	52·9	3·95	157	1·42	13	13	11	0	0	0	2	0	0	2	1	2·28	109
Sussex	Thorney Island ...	21–9 9	10	52·7	41·4	47·1	–	59	2,21	28	12	–	–	4·39	–	·79	30	18	15	0	0	4	4	2	3	11	1	2·03	–
	Bognor Regis ...	9 9 9	24	52·9	43·0	47·9	+1·8	59	1	31	12	–	54·1	3·97	118	·62	12	19	15	0	0	3	1	0	1	6	4	2·19	87
	Fernhurst ...	9 9 9	188	51·1	36·9	44·0	–	59	21	22	12	45·9	–	4·20	–	·74	12	17	16	0	0	2	1	3	10	11	1	1·95	–
	Littlehampton ...	9 9 9	15	52·8	41·9	47·3	+1·6	59	1	30	12	–	52·4	3·67	107	·55	17	19	14	0	0	0	0	0	2	–	1	2·15	87
	Worthing ...	9 9 9	25	53·2	43·7	48·5	+2·3	61	2	33	12	47·9	53·7	3·85	112	·83	13	18	14	0	0	1	1	0	0	7	1	2·07	81
	Brighton ...	9 9 9	32	51·1	43·5	47·3	–	59	1,2,19	32	12	–	53·5	3·35	100	1·04	13	18	15	0	0	3	2	2	1	2	3	2·34	–
	East Grinstead ...	9 9 9	440	51·9	35·6	43·7	–	61	2	20	12	–	52·0	4·82	–	1·10	9	17	14	0	0	0	3	8	14	1	–	–	–
	Seaford	9 9 9	45	53·3	41·8	47·1	–	60	2	29	12	–	–	4·46	125	·69	13	14	14	–	–	–	–	3	2	–	1	2·27	–
	Eastbourne ...	9 9 9	35	53·0	43·2	48·1	+1·6	60	2,3	33	8,12	49·3	55·5	5·97	151	1·26	13	18	14	0	–	3	4	1	0	3	–	2·40	101
	Eastbourne (C/guard)	21–9 9	17	52·9	43·1	48·0	–	61	2	31	12	–	–	5·53	–	1·21	13	17	14	0	0	1	3	0	2	9	3	–	–
	Hankham ...	9 9 9	68	52·8	40·0	46·4	–	61	2	28	12	48·3	51·5	5·36	–	1·35	13	19	16	0	0	5	8	2	6	13	1	2·47	–
	Bexhill	9 9 9	14	52·7	43·6	48·1	+1·9	60	2	33	12	49·7	–	5·40	152	1·55	13	17	16	0	0	1	2	2	0	5	1	2·08	–
	Sedlescombe ...	9 9 9	175	51·2	39·0	45·1	–	59	21	26	12	–	–	5·46	–	1·35	13	20	16	0	0	1	3	3	5	14	1	–	–
	Bodiam	9 9 9	73	52·4	36·7	44·5	–	61	2	22	12	46·5	51·8	5·39	–	1·68	13	19	15	–	0	–	–	5	10	–	–	1·93	–
	Hastings ¶§	9 9 9	149	52·6	43·7	48·1	+1·8	60	2	34	12	47·1	52·8	5·99	166	1·40	13	18	16	0	0	2	5	2	0	3	3	2·35	100
Berkshire	Abingdon ...	21–9 9	210	50·7	38·3	44·5	–	60	2	20	12	–	–	1·85	75	·41	17	12	10	0	0	1	1	5	12	10	0	2·22	–
	Woolhampton ...	9 9 9	370	50·2	37·4	43·8	–	59	2	21	12	45·7	–	2·67	97	·44	17	16	12	0	0	0	0	6	10	13	1	–	–
	Shinfield	9 9 9	200	50·7	37·9	44·3	+0·7	60	2	23	12	–	–	2·36	–	·49	17	17	14	0	0	0	0	10	10	12	2	1·88	–
	Reading ... *	9 9 9	148	50·6	38·4	44·5	+0·2	60	2	23	12	46·0	–	2·25	82	·43	17	17	13	–	–	–	–	–	9	12	–	1·36	–
	Finchampstead ...	9 9 9	212	51·0	36·8	43·9	–	61	2	22	12	46·5	51·0	2·57	–	·44	17	18	15	0	0	0	1	7	10	14	0	1·89	–
	Wokingham ...	9 9 9	200	51·2	37·0	44·1	–	61	1,21	22	12	47·2	52·0	2·10	–	·49	17	16	11	0	0	0	0	9	11	–	0	–	–
	Hurley	9 9 9	140	50·6	36·5	43·5	–	60	21	23	12	44·7	–	2·47	–	·50	17	16	12	0	0	0	0	5	12	12	0	1·72	–
Hampshire	Bournemouth ...	9 9 9	130	53·0	41·2	47·1	+1·6	62	1	27	12	47·5	52·0	4·17	111	·59	12	21	17	0	0	3	1	2	3	–	1	2·46	103
	Christchurch ...	9 9 9	9	53·5	39·4	46·5	–	63	1	25	12	–	–	4·03	–	·48	18	18	17	0	0	2	2	1	8	14	1	–	–
	Ringwood ...	9 9 9	250	51·7	40·5	46·1	–	59	1,2,21	29	12	45·7	52·1	4·04	–	·72	25	22	17	0	0	5	5	2	1	13	0	–	–
	Everton (Efford)	9 9 9	51	52·7	40·7	46·7	–	60	1	28	12	–	–	3·97	–	·49	18	19	15	0	0	3	5	0	4	9	2	2·50	–
	Southampton ¶§	9 9 9	65	53·7	39·1	46·4	+1·0	61	2,21	25	12	47·3	54·1	3·82	105	·59	28	20	16	0	0	1	0	2	6	9	0	2·08	95
	Leckford... ...	9 9 9	385	50·4	38·2	44·3	–	59	1	26	12	45·9	–	4·38	123	·75	25	22	17	–	0	–	–	1	7	–	1	2·23	–
	Winchester ...	9 9 9	124	51·5	36·6	44·1	–	59	2,20,21	20	12	–	50·8	4·17	116	·63	25	18	15	0	0	1	1	1	11	12	0	1·95	– S
	Martyr Worthy ...	9 9 9	275	51·3	38·2	44·7	–	59	21	22	12	–	–	3·35	–	·55	25	17	14	0	0	1	1	3	8	12	0	2·23	–
	Southsea ...	9 9 9	7	52·6	44·3	48·5	+2·0	59	1,2	34	12	49·4	54·7	3·78	116	·48	17	22	15	0	0	3	2	2	0	7	1	2·23	93
	Hayling Island ...	9 9 9	13	52·1	43·1	47·6	–	58	1	30	12	–	–	3·77	–	·58	13	22	13	0	0	3	5	1	1	–	1	2·27	–
	Long Sutton ...	9 9 9	512	48·3	37·9	43·1	0·0	59	2	22	7,12	45·0	–	3·35	95	·44	17	17	14	0	0	0	0	2	8	12	0	–	–
	Alice Holt Lodge	9 9 9	378	50·5	37·3	43·9	–	60	21	23	12	–	–	3·89	110	·58	18	20	15	0	0	1	1	2	8	13	1	2·08	–
	S. Farnborough ...	21–9 9	226	50·6	39·0	44·8	+0·8	60	2,21	22	12	–	–	2·81	98	·45	17	17	12	0	0	1	1	4	8	12	0	1·59	77
	Blackbushe ...	21–9 9	325	50·0	39·4	44·7	–	60	21	23	12	–	–	2·76	–	·43	17	17	14	0	0	1	0	8	8	9	0	–	–
I. of Wight	St. Catherine's Pt.	9 9 9	51	53·7	46·4	50·0	+3·1	61	1	38	6,12,16	–	–	4·34	120	·86	13	22	18	0	0	2	4	0	0	–	2	–	–
	Ventnor Park ...	9 9 9	443	53·2	44·0	48·6	–	60	1	37	6,12,16	49·4	54·3	4·73	119	·84	13	22	17	0	0	2	2	0	0	0	0	2·23	–
	Shanklin	9 9 9	180	52·4	42·8	47·6	–	59	2	30	12	–	–	4·47	–	·71	13	22	16	0	0	3	4	1	1	–	1	2·28	–
	Sandown ...	9 9 9	13	53·8	43·9	48·9	+1·8	60	1,2	34	12	–	–	3·58	96	·56	9	21	16	0	0	2	2	1	0	–	–	2·22	92
	Ryde	9 9 9	15	52·9	43·6	48·3	+1·5	59	2,19,20	34	12	–	–	4·53	125	·73	13	21	16	0	0	3	2	1	0	–	1	1·74	74
Wiltshire	Lacock (Lackham)	9 9 9	160	51·1	36·4	43·7	–	61	1	20	12	–	–	2·82	–	·63	25	14	10	–	0	–	–	3	13	–	–	–	–
	West Lavington	9 9 9	305	52·0	37·9	44·9	–	59	1,2,21	20	12	–	–	3·16	99	·98	25	19	15	0	0	0	0	2	6	–	0	–	–
	Lyneham ...	21–9 9	457	49·4	39·5	44·5	–	59	2	24	12	–	–	2·95	99	·78	25	17	12	0	0	1	0	1	6	13	0	2·31	–
	Larkhill	9 9 9	431	50·3	38·6	44·5	+1·3	59	1	24	12	–	–	3·48	111	·92	25	18	15	0	0	0	1	3	8	10	0	–	–
	Boscombe Down	21–9 9	414	50·1	39·5	44·8	–	59	1	25	12	–	–	3·33	104	·82	25	18	14	0	0	0	1	3	7	14	0	1·94	–
	Upavon	21–9 9	578	49·4	39·7	44·5	–	58	1	30	12	–	–	2·94	–	·81	25	15	12	0	0	1	1	4	3	10	1	–	–
	Porton ... ¶§	9 9 9	362	50·8	37·7	44·3	+1·3	59	1	24	12	45·9	–	3·69	111	·90	25	20	16	0	0	1	0	3	10	14	1	2·19	99
7a	ENGLAND, N.W.																												
Cumberland	Sellafield ...	9 9 9	43	51·3	42·8	47·1	–	57	1	34	4,12	–	–	7·70	174	1·15	22	25	21	–	0	–	–	0	0	2	–	1·47	–
	Silloth	21–9 9	25	49·8	41·3	45·5	–	58	19,23	24	12	–	–	5·16	154	·76	8	24	20	2	1	5	4	0	4	6	1	1·40	–
	Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Newton Rigg ...	9 9 9	560	48·0	38·7	43·3	+2·0	56	2	23	12	–	–	4·94	147	1·15	25	24	20	2	1	0	0	4	5	5	2	1·39	80 S
Westmorland	Ambleside ...	9 9 9	151	48·9	39·5	44·2	–	59	1	28	12	–	–	10·73	131	1·76	8	25	22	1	0	3	1	0	5	–	0	0·82	– S
	Moor House ...	9 9 9	1840	42·1	34·5	38·3	–	49	19,22,23	19	12	41·8	–	8·73	–	1·65	25	26	25	6	7	0	0	4	8	8	4	0·88	–
Lancashire	Barrow-in-Furness	9 9 9	55	50·1	40·8	45·5	–	58	9	31	12	–	–	7·05	–	1·27	25	23	20	0	0	2	0	2	1	–	0	–	–
	Squires Gate ...	21–9 9	33	50·1	40·7	45·4	–	59	2	23	12	–	–	3·61	106	·68	25	21	16	0	0	4	1	4	3	5	1	1·62	–
	Urswick	9 9 9	130	49·1	39·9	44·5	–	60	1	30	12	–	–	5·70	–	1·20	25	26	20	0	0	6	0	7	3	–	2	–	–
	Poulton-le-Fylde	9 9 9	38	50·5	39·8	45·1	–	59	24	28	12	–	–	4·06	–	·74	25	21	19	0	0	3	0	1	5	–	0	–	–
	Speke	21–9 9	80	50·2	41·7	45·9	–	60	2	28	12	–	–	4·06	–	·93	25	20	14	2	0	2	2	3	1	3	2	1·92	–
	Kirkham ...	9 9 9	77	50·6	39·9	45·3	–	59	2	27	12	–	–	3·76	102	·81	25	21	14	0	0	3	1	2	4	8	0	1·58	–
	Garstang ...	9 9 9	68	50·2	40·6	45·4	–	60	2	25	12	–	–	4·79	–	·98	8	24	20	–	0	–	–	0	3	4	1	1·48	–
	Morecambe ...	9 9 9	24	49·8	42·5	46·1	+2·2	57	2	31	12	–	–	4·17	108	·80	25	24	19	0	0	0	0	2	–	0	1·46	76
	Preston (Moor Pk.)	9 9 9	108	50·4	40·8	45·1	–	60	2	27	12	–	–	5·24	135	1·51	25	24	16	1	0	3	1	3	2	7	1	–	–
	Bolton	9 9 9	352	48·3	38·9	43·6	+0·6	58	2	20	12	46·1	49·3	4·69	–	·79	10	25	18	3	2	1	0	6	6	11	0	1·36	117

* Sunshine recordcr is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1959

District, County and Place		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																												
Lancashire—	Darwen	9 9 9	724	47·4	37·9	42·7	+0·8	56	1	29	12	44·6	–	7·52	132	1·85	25	25	20	1	2	2	1	0	4	11	0	–	–
cont.	Stonyhurst ¶§	9 9 9	377	48·7	39·6	44·1	+1·4	59	20	25	12	–	–	5·15	109	1·23	25	24	19	1	1	2	0	0	3	6	0	1·58	95
	Helmshore ...	9 9 9	854	46·7	38·6	42·7	–	56	2	27	12	45·1	–	6·29	–	1·12	25	26	22	3	4	1	0	4	3	9	0	1·35	–
	Burnley	9 9 9	655	47·4	38·7	43·1	–	56	2	25	12	45·6	49·5	4·76	–	·61	25	22	21	3	1	0	0	1	5	5	0	1·46	–
	Nelson	9 9 9	540	47·8	38·9	43·3	–	56	2	22	12	44·7	49·8	5·01	109	·56	25	24	21	2	1	–	–	0	5	7	–	1·27	– S
	Rochdale ...	9 9 9	362	48·9	37·6	43·3	–	58	2	24	12	–	–	4·52	–	·98	10	25	21	2	2	1	0	7	11	8	0	1·03	–
Cheshire	West Kirby Park	9 9 9	17	50·8	40·9	45·9	–	60	2	30	12,16	–	–	3·92	–	·98	25	21	13	1	0	2	2	–	2	6	–	1·89	–
	Bidston Obs'y. ¶§	9 9 9	198	49·3	41·5	45·4	+1·0	59	2	31	12	–	–	3·96	142	·93	25	21	15	0	–	2	0	5	1	1	0	2·02	106
	Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Northwich(Winnington)	9 9 9	65	50·5	39·9	45·2	–	61	2	26	12	–	–	3·30	113	·75	25	23	16	1	0	0	0	4	4	8	1	–	–
	Manchester Airport ¶§	21–9 9	248	50·1	40·9	45·5	+2·3	59	2,21	25	12	–	–	3·33	109	·55	25	21	15	1	0	2	1	1	3	6	1	2·09	150
	Macclesfield ...	9 9 9	500	47·9	39·3	43·6	+1·5	57	2	28	12	–	–	4·15	121	·71	25	23	18	3	2	0	0	4	4	–	5	–	–
7b	NORTH WALES																												
Flint	Rhyl	9 9 9	31	51·8	42·3	47·1	+1·5	62	22	28	12	–	–	3·08	120	·83	25	20	17	0	0	2	1	0	2	1	1	1·72	91
	St. Asaph ...	9 9 9	75	51·6	41·5	46·5	–	60	21	26	12	–	–	3·42	–	·68	25	20	17	0	–	2	1	0	1	12	–	–	–
	Prestatyn ...	9 9 9	12	52·0	42·9	47·5	–	61	21	26	12	–	–	3·44	124	·83	25	20	17	1	0	1	1	0	2	–	2	1·43	–
	Hawarden Bridge	9 9 9	17	50·9	38·9	44·9	+0·5	62	2	25	12	–	–	4·15	151	1·30	25	22	14	1	0	1	0	2	5	–	0	–	–
Anglesey	Holyhead (Valley)	21–9 9	26	51·4	45·0	48·2	+0·7	58	2,19	32	12	–	–	7·36	204	·84	28	24	21	0	0	1	2	0	1	1	3	1·27	63
Denbigh	Colwyn Bay ...	9 9 9	118	52·2	44·4	48·3	+2·1	60	2,21	33	12	–	–	4·33	149	1·01	25	21	18	0	0	0	0	0	0	–	0	1·72	97
	Alwen	9 9 9	1100	50·3	33·2	41·8	–	60	20	14	12	–	–	6·27	–	1·11	25	25	23	3	–	–	–	14	11	–	–	–	–
	Bwlchgwyn ...	9 9 9	1267	45·5	38·0	41·8	–	53	1,21,23	29	12	44·9	–	5·97	–	1·35	25	23	19	0	1	1	0	2	4	9	0	–	–
	Ruabon	9 9 9	312	50·8	39·1	45·0	–	60	2	23	12	–	–	4·85	–	1·16	25	23	19	1	0	0	0	3	6	10	0	1·63	– S
	Wrexham ...	9 9 9	275	50·4	39·0	44·7	–	59	2	25	12	45·5	49·9	3·64	–	·91	25	20	13	0	0	0	0	3	5	11	0	–	–
Caernarvon	Bryn Adda ...	9 9 9	275	51·4	43·1	47·2	–	61	19	34	12	–	–	7·53	–	1·60	25	26	22	0	0	4	0	0	0	7	3	1·39	–
	Aber	9 9 9	60	52·5	43·4	48·0	+1·4	63	20	31	12	–	–	7·78	178	1·36	25	25	24	2	0	3	0	0	1	–	3	1·00	75 S
	Llandudno ¶§	9 9 9	13	52·1	44·6	48·4	+1·7	60	2,23	32	12	–	–	4·31	151	·94	25	23	18	0	0	2	0	1	0	–	0	1·68	92
Merioneth	Harlech	21–9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Blaenau Ffestiniog	9 9 9	750	48·9	41·3	45·1	–	57	19	32	12	–	–	12·11	–	1·40	25	27	24	0	0	4	0	0	1	–	0	0·95	–
	Corwen	9 9 9	473	50·0	37·0	43·5	–	59	2,21	17	12	–	–	5·80	–	1·14	25	24	20	1	0	0	0	–	8	3	1	–	–
Montgomery	Lake Vyrnwy ...	9 9 9	995	46·7	38·0	42·4	–	55	2	25	12	–	–	6·09	87	1·53	25	27	21	5	2	2	0	1	5	9	1	–	–
8a	SOUTH WALES																												
Cardigan	Aberporth ...	21–9 9	376	50·6	44·5	47·5	–	59	2	35	12	–	–	9·05	194	1·19	25	25	22	0	0	6	5	0	0	0	2	1·56	–
	Aberystwyth ...	9 9 9	12	52·2	44·0	48·1	–	60	19	34	12	–	–	6·14	–	1·51	25	22	20	0	0	6	0	0	0	–	0	1·77	87
	,, P.B.S.*	9 9 9	452	51·2	42·4	46·8	–	63	2	32	12	–	–	6·20	–	1·49	25	23	20	0	0	3	0	0	1	3	0	1·51	74
	Gogerddan ...	9 9 9	103	51·9	41·6	46·8	–	60	19	27	12	–	–	5·82	144	1·41	25	24	20	0	0	1	0	0	3	3	0	1·44	– S
	Swyddffynnon ...	9 9 9	540	49·5	40·3	44·9	–	58	22	29	12	–	–	7·05	–	1·40	25	24	21	0	0	2	0	1	3	9	0	–	–
	Trawscoed ...	9 9 9	200	51·8	40·6	46·2	–	60	21	27	12	–	–	6·45	129	1·50	25	25	22	0	0	2	0	0	1	8	0	1·37	–
	Llety-evan-hen ...	9 9 9	950	48·4	39·1	43·7	–	56	19	31	11,12	–	–	6·37	–	1·86	25	26	21	0	0	3	0	0	0	3	0	1·23	–
Pembroke	Dale Fort ...	9 9 9	109	52·9	45·4	49·2	–	59	1,2	31	12	–	–	7·70	–	1·32	25	25	20	0	0	1	2	0	1	2	5	1·64	–
	Brawdy	9 9 9	360	51·2	43·3	47·2	–	58	2	32	12	–	–	12·96	–	1·79	14	25	23	0	0	6	2	0	1	2	3	1·27	–
	Milford Haven ...	9 9 9	179	52·7	44·4	48·6	–	59	1,2,19	35	12	–	–	11·49	–	1·91	14	27	25	0	0	7	0	0	0	–	1	1·55	–
	Haverfordwest ...	9 9 9	131	53·2	43·9	48·6	+2·8	60	19	33	12	–	–	12·95	234	2·16	13	25	25	0	0	2	2	0	0	–	2	–	–
Radnor	Llandrindod Wells ¶§	9 9 9	772	49·3	38·1	43·7	+1·3	57	1	20	12	–	–	4·87	110	1·11	25	25	19	1	0	0	0	1	9	–	0	1·27	81
Brecknock	Llwynon ...	9 9 9	860	48·3	37·8	43·0	–	58	1	25	12	–	–	10·37	–	2·50	25	26	19	0	0	0	0	1	9	–	0	–	–
Glamorgan	Mumbles Head ...	21–9 9	117	51·6	45·7	48·7	–	59	19	38	11,12,30	–	–	–	–	–	–	–	–	0	0	3	0	0	0	0	4	–	–
	Swansea	9 9 9	27	52·8	44·8	48·8	+2·0	60	1	35	11,12	48·8	54·1	7·70	163	·92	25	23	19	0	0	0	0	0	0	2	1	2·00	101
	Port Talbot ...	9 9 9	24	53·1	44·6	48·8	–	60	1,19	32	12	–	–	6·91	–	1·38	25	22	18	0	0	0	0	0	0	3	–	–	–
	Neath	9 9 9	153	52·4	43·9	48·2	–	60	19	31	12	–	–	8·73	–	1·40	25	24	19	0	0	0	0	0	2	4	2	–	–
	Rhoose	21–9 9	220	50·9	42·9	46·9	–	59	1,19	30	11	–	–	4·29	116	·79	25	18	16	0	0	3	2	0	2	3	1	1·85	–
	Cardiff ... ¶§	9 9 9	202	51·2	41·6	46·4	+1·3	61	1	30	11,12	49·1	53·7	4·94	113	1·16	25	22	14	0	–	1	1	0	2	8	–	1·95	94
Monmouth	Tredegar ...	9 9 9	1028	48·0	38·0	43·0	–	58	1	24	12	–	–	10·75	–	2·85	25	23	19	0	0	1	0	–	5	15	1	1·52	– S
	Newport	9 9 9	75	51·4	40·5	46·0	–	62	1	29	12,13	–	–	4·99	121	1·09	13,25	21	16	0	0	0	0	2	5	–	0	1·80	–
	Usk	9 9 9	70	51·9	37·8	44·8	–	65	1	21	12	46·7	–	6·69	161	1·70	25	20	17	0	0	0	0	4	12	11	0	1·55	–
	Crumbland Plantation	9 9 9	804	48·2	39·6	43·9	–	60	1	31	12	45·2	49·8	7·01	–	2·16	25	21	15	0	0	0	0	2	4	7	2	2·03	–
8b	ENGLAND, S.W.																												
Somerset	Hawkridge (Liscombe)	9 9 9	1030	48·8	39·7	44·3	–	58	1	27	12	–	–	8·07	–	1·43	25	24	21	–	–	2	–	1	2	2	1	–	–
	Bickenhall ...	9 9 9	231	52·3	39·7	46·0	–	60	1	25	12	–	–	7·66	–	1·78	25	22	16	0	0	2	2	0	7	–	2	–	–
	Cannington ...	9 9 9	95	52·2	41·3	46·8	–	60	1	31	13	–	–	4·37	137	1·01	25	19	16	0	0	1	1	0	2	12	0	2·36	–
	Weston-s.-Mare ...	9 9 9	28	52·2	42·5	47·4	–	62	1	30	12	–	–	4·58	139	1·07	25	18	15	0	0	0	1	1	4	–	2	2·08	101
	Long Ashton ...	9 9 9	162	52·1	40·3	46·2	+1·5	61	1	27	12	47·0	–	4·38	120	1·03	13	21	13	0	0	1	1	1	5	11	0	2·02	106
	Bath ... ¶§	9 9 9	67	51·9	39·0	45·4	+0·6	62	1	24	12	47·4	52·1	3·77	119	·84	25	19	13	1	0	0	0	2	9	14	–	1·66	86
Dorset	Portland Bill ...	21–9 9	35	52·2	49·7	51·0	+2·0	59	1,2	39	11	–	–	5·18	158	·98	12	20	17	0	0	0	2	1	0	0	–	0	–
	Weymouth ...	9 9 9	16	54·1	43·8	49·0	+1·6	62	1	33	17	–	–	4·31	115	·53	12	21	18	0	0	0	0	0	0	–	1	2·45	101
	Shaftesbury ...	9 9 9	680	50·5	38·9	44·7	+1·2	57	20	29	12	–	–	4·70	127	·87	25	16	14	–	–	–	–	0	4	–	0	–	–
	Swanage	9 9 9	37	53·2	42·2	47·7	–	62	1	28	12	–	55·4	3·27	–	·48	12	18	13	0	–	2	1	1	1	1	2	2·06	–
	Poole	9 9 9	18	52·8	39·2	46·0	–	64	1	26	12	–	–	3·95	–	·54	12	20	15	0	0	1	1	2	7	–	1	2·33	–
Devon	Hartland Pt. ...	21–9 9	298	51·6	46·1	48·8	–	60	1	37	12,30	–	–	8·70	–	1·83	14	26	19	0	0	5	2	0	0	0	3	1·63	–
	Plymouth (Mt. Batten)	21–9 9	87	53·0	44·3	48·6	+0·8	59	19	34	12	–	–	7·85	175	1·47	25	24	22	0	0	7	2	0	0	2	6	1·81	77
	Plymouth (The Hoe)	9 9 9	119	52·8	42·9	47·9	+0·3	59	19	34	12,13	50·0	54·4	7·75	174	1·52	25	23	21	0	0	0	0	0	0	6	2	2·18	92
	Tavistock ...	9 9 9	457	50·9	41·2	46·0	+0·4	58	1	31	12	–	51·6	11·09	–	2·32	25	24	20	–	–	–	–	0	1	–	–	–	–
	Chivenor ...	21–9 9	20	53·0	44·8	48·9	–	62	19	32	12	–	–	8·95	–	1·44	14	24	21	0	0	4	3	0	1	1	2	1·88	–
	Ilfracombe ...	9 9 9	25	53·0	46·5	49·8	+1·3	61	19	39	6,12	49·9	54·7	8·86	206	1·64	25	21	20	0	0	3	1	0	0	0	1	1·54	81
	Princetown ...	9 9 9	1359	47·7	39·7	43·7	–	54	1,20,21	33	12,13	–	–	17·04	166	3·39	25	24	24	1	0	3	2	6	0	6	0	–	–
	**Totnes	9 9 9	120	53·4	39·2	46·3	–	61	1	27	12,17	48·8	53·5	9·47	165	1·30	25	22	21	0	0	2	4	0	8	13	1	1·83	–
	†Newton Abbot ...	9 9 9	272	52·6	40·4	46·5	+0·6	63	1	29	12	–	–	8·34	174	1·24	25	23	21	0	0	0	2	0	4	7	0	2·06	87
	Paignton... ...	9 9 9	8	53·5	42·6	48·0	–	62	1	31	17	–	–	8·34	177	1·10	12	23	21	0	0	1	0	0	2	9	0	2·31	98
	Torquay	9 9 9	26	53·6	43·3	48·4	+0·9	61	1	34	12,17	–	54·0	8·32	195	·97	13	24	22	0	0	1	1	2	0	5	3	2·22	91
	Teignmouth ¶§	9 9 9	20	53·3	43·7	48·5	+0·9	63	1	34	12,17	–	–	7·79	200	1·28	30	23	20	0	0	1	1	0	0	1	1	2·10	85

¶§. § *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER NOVEMBER, 1959

District, County and Place		Terminal Hours of Observation (Max. Min. Rain)	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b	ENGLAND, S.W.—cont.																												
Devon—cont.	Starcross... ...	9 9 9	29	53·3	41·5	47·4	–	62	1	30	12	–	–	7·70	–	1·68	30	23	18	0	0	0	1	0	3	10	3	2·26	–
	Exmouth ...	9 9 9	195	52·1	41·2	46·6	+0·4	62	1	30	12	–	–	6·53	175	1·29	30	22	16	0	0	0	1	0	2	–	3	2·39	99
	Exeter	21–9 9	106	52·5	41·1	46·8	–	61	1	28	6,12	–	–	7·25	187	1·63	30	20	14	1	0	4	1	0	7	9	0	2·12	–
	Ufculme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Sidmouth ...	9 9 9	25	53·4	43·3	48·4	+1·7	60	1	33	12	–	–	5·77	–	·97	30	17	16	–	0	–	–	0	0	1	–	2·40	–
Cornwall	St. Mary's, Scilly	21–9 9	158	53·8	48·1	51·0	+1·0	60	1	41	29	–	–	5·78	160	1·01	25	22	19	0	0	1	0	0	0	–	4	2·53	98
	Penzance ...	9 9 9	62	54·5	45·5	50·0	+0·7	60	1,2,19	35	18	–	–	8·96	183	1·09	25	26	23	0	0	4	1	0	0	–	5	2·76	111
	Gulval	9 9 9	50	54·5	46·2	50·4	+1·7	60	1,19	35	18	–	–	8·21	–	1·12	25	25	24	0	0	3	1	0	0	–	2	2·15	88
	Camborne (Rosewarne)	9 9 9	250	52·9	45·8	49·4	–	60	19	37	18	49·8	53·2	8·10	–	1·45	25	26	24	0	0	5	0	0	0	2	3	2·01	–
	Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Falmouth ¶§	9 9 9	167	53·6	44·5	49·0	+0·6	61	19	37	18	–	–	8·16	157	1·50	25	27	24	0	0	2	0	0	0	6	0	2·14	87
	Newquay ...	9 9 9	176	53·5	44·6	49·0	+1·1	61	19	34	18	–	–	6·38	162	1·20	25	20	19	0	–	4	0	–	0	–	2	2·19	91
	St. Mawgan ...	21–9 9	337	52·5	44·6	48·6	–	60	19	34	18	–	–	7·24	–	1·24	25	21	20	0	0	8	1	0	0	1	2	2·35	–
	St. Austell ...	9 9 9	310	52·8	44·0	48·4	–	61	1	36	30	–	–	9·13	162	1·49	25	27	22	0	–	0	0	2	0	–	3	–	–
	Fowey	9 9 9	51	53·9	44·1	49·0	+1·0	62	1	36	17	–	–	6·75	–	1·15	25	24	22	0	0	2	0	0	0	–	3	–	–
	Bude	9 9 9	50	53·8	43·8	48·8	+1·5	61	2	34	12	–	–	7·41	188	1·45	14	24	21	0	0	6	1	–	0	–	5	1·75	75
	Ellbridge ...	9 9 9	190	52·8	40·6	46·7	–	61	1	31	12,17,27	–	–	9·18	–	1·95	25	27	23	0	0	4	3	0	6	12	1	1·73	–
	NORTHERN IRELAND																												
Londonderry	Ballykelly ¶§	21–9 9	3	49·4	40·6	45·0	+0·6	58	23	29	12	–	–	4·15	121	·65	14	22	17	3	0	3	0	0	4	11	2	2·72	128
	Garvagh ¶	9 9 9	121	48·6	37·8	43·2	+0·5	57	1	29	12	46·5	–	3·67	87	·38	28	27	18	4	0	2	2	2	6	11	1	–	–
Antrim	Aldergrove ¶§	21–9 9	217	47·7	39·2	43·4	+0·1	56	22,23	27	12	–	–	3·08	97	·59	19	22	14	0	0	0	0	4	8	9	2	2·04	109
	Nutts Corner ...	21–9 9	338	48·0	39·0	43·5	–	56	23	27	12	–	–	3·67	–	·91	19	21	15	0	0	1	0	0	6	8	2	–	–
	Parkmore Forest	9 9 9	779	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Down	Hillsborough §	9 9 9	388	48·6	38·7	43·6	–	56	1,22,23	29	12	47·0	–	3·60	109	·93	19	19	14	0	0	1	0	1	4	9	2	2·15	104
	Kilkeel	21–9 9	59	50·6	41·3	46·0	–	58	2,5	30	12,30	–	–	3·19	–	·50	30	19	14	0	0	0	0	0	3	4	3	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	49·9	39·0	44·5	–	58	2	30	11	–	–	3·44	–	·85	19	19	15	0	0	0	0	–	4	–	0	–	–
Armagh	Armagh ... ¶§	9 9 9	205	50·0	38·3	44·2	+0·6	57	2,22,23	29	12	45·0	49·8	3·22	111	·60	19	23	16	1	0	0	0	3	3	9	3	2·44	118
	Loughgall ...	9 9 9	91	49·7	36·5	43·1	–	57	2,22,23	25	12	–	–	2·51	–	·50	19	18	15	0	0	0	0	–	11	17	2	2·36	–
Fermanagh	Ely Lodge ...	9 9 9	165	48·8	37·7	43·2	–	57	22	30	7	46·7	51·6	5·06	–	·62	19	25	21	1	0	1	0	4	6	15	0	–	–
	CHANNEL ISLES																												
Guernsey	States Airport ...	9 9 9	340	52·9	46·6	49·8	–	60	1	40	11,13	50·5	55·2	5·09	115	1·18	9	20	18	1	0	5	3	0	0	2	0	2·71	–
Alderney	States Airport ...	9 9 9	288	53·4	46·3	49·8	–	60	1	39	14	50·8	–	4·70	–	·86	9	21	19	0	0	4	2	1	0	–	8	2·28	–
Jersey	Jersey Airport ...	9 9 9	273	53·6	45·8	49·7	–	61	1	39	7,8,12	–	–	4·65	104	·98	3	20	18	0	0	6	2	0	0	0	2	2·45	–
	St. Helier ...	9 9 9	28	54·8	47·1	51·0	–	64	1	39	8,12	–	–	4·72	114	·95	3	18	16	0	0	4	2	0	0	–	1	2·63	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER, 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	MEAN TEMPERATURE AND HUMIDITY: Depression of Wet Bulb	MEAN TEMPERATURE AND HUMIDITY: Vapour Pressure	MEAN TEMPERATURE AND HUMIDITY: Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: Force (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Direction: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																											Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
0 SCOTLAND, N.		3	272	1004·6	–	44·2	1·4	8·8	88	6·3	1	2	6	6	15	0	0	0	0	0	1	3	2	5	9	10	0	8	13	8	1	0	0	4	3	10	5	6	1
		9	272	1004·6	-1·9	44·5	1·5	8·9	88	6·5	0	0	8	12	10	0	0	0	0	0	0	1	6	7	11	5	0	8	13	7	2	0	0	4	4	10	4	6	1	0
Zetland	Lerwick Observatory H	15	272	1004·3	–	44·9	1·6	8·8	86	6·6	0	1	5	13	11	0	0	0	0	0	0	0	6	9	10	5	1	6	17	5	1	0	0	3	6	10	5	5	0
		21	272	1004·6	–	41·5	1·5	8·9	87	6·0	0	3	7	9	11	0	0	0	0	0	0	0	4	7	10	9	1	6	13	8	2	1	1	3	4	7	9	3	0
		3	94	1003·5	–	43·6	0·9	8·9	91	5·4	0	9	2	7	12	0	0	0	0	0	0	0	4	7	17	2	2	3	8	17	0	0	1	1	4	3	13	6	3	0
		9	94	1003·5	–	44·2	1·2	8·9	89	5·4	0	7	5	10	8	0	0	0	0	0	0	0	3	3	20	4	0	8	9	13	0	0	1	5	4	10	7	2	1
Orkney	Grimsetter.. H	15	94	1003·2	–	45·8	1·6	9·3	88	5·7	0	6	3	12	9	0	0	0	0	0	0	0	4	4	15	7	1	2	13	13	1	0	0	5	2	16	4	1	1
		21	94	1003·9	–	44·3	1·1	9·1	91	5·8	0	6	4	8	12	0	0	0	0	0	0	0	1	7	18	4	0	7	13	9	1	0	3	4	1	16	3	1	1
		3	121	1004·0	–	44·2	1·9	8·4	84	4·9	2	8	3	11	6	0	0	0	0	0	0	0	4	6	13	7	1	4	14	11	0	1	1	1	4	14	3	5	1	0
		9	121	1003·9	-3·5	44·8	2·4	8·3	81	6·1	0	4	3	18	5	0	0	0	0	0	0	0	6	4	9	11	0	4	11	14	1	0	1	1	5	12	5	5	0
Caithness	Wick .. H	15	121	1003·7	–	46·5	2·8	8·5	79	5·7	0	4	6	14	6	0	0	0	0	0	1	0	2	7	9	11	1	6	12	10	1	0	1	4	1	15	5	2	1
		21	121	1004·3	–	45·2	2·1	8·6	83	5·0	0	10	4	5	11	0	0	0	0	0	0	0	1	7	13	9	1	4	13	11	1	1	1	4	2	13	6	1	1
		3	371	1001·5	–	45·7	1·6	9·2	87	6·5	0	2	7	4	16	1	0	0	1	0	0	0	0	1	4	24	1	5	9	15	0	0	2	4	4	10	4	2	2
		9	371	1001·1	–	45·6	1·6	9·2	88	6·5	0	2	6	5	17	0	0	0	0	0	0	0	0	2	5	23	1	6	8	15	0	1	2	3	5	9	5	4	1
Sutherland	Cape Wrath ..	15	371	1001·3	–	46·3	1·6	9·4	88	6·3	0	2	6	11	11	0	0	0	0	0	0	0	0	2	7	21	2	4	9	15	0	1	1	3	2	10	11	1	1
		21	371	1001·9	–	45·1	1·3	9·2	90	6·1	0	5	5	6	14	0	0	0	0	0	0	0	1	0	8	21	1	3	10	16	0	2	2	3	3	10	7	3	0
		3	16	1001·7	–	44·6	1·7	8·8	87	4·7	0	9	8	3	10	0	0	0	0	0	0	0	3	13	12	2	0	7	11	11	1	1	2	2	3	8	11	2	0
Ross & Cromarty	Stornoway H	9	16	1001·5	-5·6	45·2	1·7	9·0	87	6·0	0	4	6	11	9	0	0	0	0	0	0	0	4	13	10	3	3	5	10	11	1	2	0	3	3	13	4	1	3
		15	16	1001·6	–	47·2	2·4	9·1	81	5·6	0	4	8	14	4	0	0	0	0	0	0	0	2	10	15	3	2	6	18	3	1	1	0	5	2	12	4	3	2
		21	16	1002·0	–	45·9	2·3	8·8	83	5·7	0	5	6	9	10	0	0	0	0	0	0	0	2	15	13	0	0	8	17	4	1	0	2	4	3	10	6	4	0
		3	21	1001·4	–	45·4	1·7	9·1	87	4·9	0	10	4	6	10	0	0	0	0	0	0	0	1	0	8	16	5	2	7	14	6	1	3	1	2	2	10	6	4	1
Inverness	Benbecula.. H	9	21	1001·1	–	46·1	2·0	9·0	84	6·2	0	1	7	13	9	0	0	0	0	0	0	0	2	10	13	5	4	6	16	4	0	2	0	4	4	12	4	3	1
		15	21	1001·1	–	47·6	2·5	9·1	80	5·9	0	2	7	15	6	0	0	0	0	0	0	0	3	9	10	8	1	11	14	4	0	1	2	3	2	14	2	3	2
		21	21	1001·5	–	46·0	1·9	9·1	85	5·9	0	6	3	10	11	0	0	0	0	0	1	0	1	10	14	4	0	8	13	7	2	2	0	3	3	10	4	4	2
1 SCOTLAND, E.																																							
		3	19	1003·7	–	43·2	2·0	8·0	83	5·0	2	7	5	7	9	0	0	0	0	0	0	0	2	9	18	1	0	4	5	20	1	0	1	4	3	10	9	1	1
		9	19	1003·6	–	42·9	2·1	7·9	83	5·9	0	3	5	18	4	0	0	0	0	0	0	1	4	4	11	10	0	2	6	19	3	0	0	5	3	12	7	0	2
Moray	Kinloss .. H	15	19	1003·5	–	46·7	3·3	8·3	76	5·9	0	4	5	13	8	0	0	0	0	0	0	0	4	2	13	11	0	3	10	16	1	0	1	4	5	8	9	2	0
		21	19	1003·8	–	44·2	2·3	8·1	81	4·9	1	10	3	5	11	0	0	0	0	0	0	0	2	11	16	1	0	2	10	18	0	0	1	6	2	15	3	2	1
		3	193	1005·3	–	43·0	1·4	8·4	87	5·4	4	3	3	9	11	0	0	0	0	0	0	0	8	14	5	3	0	1	7	18	4	1	1	2	3	12	2	3	0
Aberdeen	Dyce .. H	9	193	1005·5	-3·3	43·1	1·6	8·3	86	6·2	0	3	4	13	10	0	0	0	0	0	1	0	1	9	12	6	2	0	1	9	16	4	2	0	2	3	15	1	3	0
		15	193	1005·0	–	46·4	2·5	8·8	81	6·1	0	4	4	13	9	0	0	0	0	1	0	1	12	9	3	4	0	2	9	15	4	0	1	4	2	12	3	3	1
		21	193	1005·4	–	42·7	1·3	8·4	89	5·2	2	7	4	4	13	0	0	0	0	0	0	0	2	16	8	2	2	0	1	8	17	4	2	1	1	5	9	4	2	2
		3	108	1004·2	–	43·8	1·3	8·9	90	5·4	0	4	9	8	9	0	0	0	0	0	0	0	2	19	9	0	4	1	11	13	1	0	0	5	2	13	5	2	2
	Rattray Head ..	9	108	1004·6	–	43·7	1·3	8·8	89	5·4	0	5	5	16	4	0	0	0	0	0	0	0	1	19	10	0	0	4	12	13	1	0	0	4	3	15	2	5	0
		15		1004·0	–	46·5	2·0	9·2	84	5·4	0	3	9	13	4	1	0	0	0	0	0	0	2	3	10	15	0	1	7	9	13	0	0	0	5	1	17	2	5	0
		21	108	1004·3	–	43·8	1·4	8·7	88	5·4	0	4	8	11	7	0	0	0	0	0	1	0	1	16	12	0	2	5	12	11	0	0	0	6	1	12	7	4	0
		3	38	1004·6	–	43·6	1·4	8·9	90	5·4	4	2	5	4	15	0	0	0	0	0	0	0	2	11	8	7	2	0	0	8	19	3	1	2	0	3	6	7	8	1	0
Fife	Leuchars .. H	9	38	1004·9	-4·6	43·8	1·4	8·8	89	6·6	0	1	6	14	9	0	0	0	0	0	0	0	2	4	14	8	2	0	0	10	17	3	0	2	1	3	7	9	5	0	1
		15	38	1004·4	–	46·7	2·2	9·1	83	6·3	0	4	2	14	10	0	0	0	0	0	0	0	1	8	9	8	4	0	3	5	20	2	0	2	3	6	10	1	2
		21	38	1004·5	–	43·0	1·1	8·7	90	5·2	4	4	4	6	12	0	0	0	0	0	1	1	11	13	1	3	0	2	8	16	4	1	2	2	2	8	7	1	2	0
		3	114	1004·9	–	43·4	1·7	8·5	87	5·6	3	3	4	8	12	0	0	0	0	0	1	1	14	12	3	0	0	1	9	14	6	1	2	2	1	4	11	3	5	0
Midlothian	Turnhouse H	9	114	1005·3	–	43·9	1·6	8·6	87	6·3	0	1	8	11	10	0	0	1	0	1	1	3	8	12	4	0	0	1	12	12	5	1	1	2	2	12	5	1	0
		15	114	1004·8	–	47·2	2·9	8·7	79	6·3	0	2	6	11	11	0	0	0	0	1	1	6	10	6	6	0	0	3	9	14	4	1	3	6	0	2	9	6	0	0
		21	114	1004·7	–	43·9	1·8	8·5	86	5·2	4	6	2	4	13	1	0	1	0	0	0	4	15	6	4	0	1	3	9	11	6	1	2	3	1	5	9	3	0	
6a SCOTLAND, W.																																							
		3	34	1002·4	–	46·4	1·9	9·2	84	5·6	0	5	7	6	12	0	0	0	0	0	0	0	2	8	10	10	1	6	12	10	1	2	0	2	3	1	8	4	6	3	1
		9	34	1002·4	-6·0	47·1	2·2	9·3	83	6·2	0	3	6	10	11	0	0	0	0	0	0	0	3	9	9	9	3	8	11	6	2	2	0	2	2	11	3	5	2	0
Argyll	Tiree .. H	15	34	1002·2	–	47·9	2·3	9·5	82	6·1	0	2	7	14	7	0	0	0	0	0	0	0	4	7	10	9	2	11	8	7	2	1	1	3	1	13	4	3	1	2
		21	34	1002·1	–	46·6	2·1	9·3	84	5·6	0	6	6	8	10	0	0	0	0	0	0	2	4	7	10	7	1	5	16	8	0	1	2	3	2	11	5	4	2	2
		3	122	1003·5	–	46·6	1·6	9·6	88	5·3	0	5	11	5	9	0	0	0	0	0	0	0	2	3	8	17	2	1	9	18	0	1	2	4	1	11	4	5	2	2
		9	122	1004·2	–	46·7	1·6	9·6	88	5·7	0	2	11	7	10	0	0	0	0	0	0	0	2	1	14	13	0	5	6	18	1	0	2	5	2	11	4	2	3	2
	Rhuvaal H	15	122	1003·3	–	47·6	1·8	9·7	86	6·2	0	1	9	10	10	0	0	0	0	0	0	0	2	3	11	14	0	6	10	14	0	1	3	3	2	11	3	3	2	2
		21	122	1002·7	–	46·9	1·5	9·8	88	6·1	0	2	11	4	13	0	0	0	0	0	0	0	2	6	5	2	17	1	4	7	18	0	1	3	1	4	1	6	1	1	1
		3	29	1004·6	–	43·7	1·3	8·8	90	5·9	2	2	7	7	12	0	0	0	0	2	1	1	11	7	5	3	0	1	6	17	6	2	2	2	2	8	3	5	2	0
Renfrew	Renfrew .. H	9	29	1004·9	-5·2	44·2	1·2	9·0	90	6·7	0	1	6	10	12	1	0	0	0	3	2	5	10	7	3	0	0	1	7	14	8	2	1	4	2	6	6	1	5	0
		15	29	1004·4	–	47·5	2·4	9·2	82	6·5	0	2	3	17	8	0	0	1	0	1	1	9	14	3	1	0	0	1	13	13	3	2	4	1	2	11	2	5	2	2
		21	29	1004·3	–	44·2	1·2	9·1	90	5·8	0	7	4	6	13	0	0	0	1	2	5	8	13	1	0	0	0	2	4	17	7	2	2	3	3	8	1	4	2	1	0
		3	33	1004·3	–	45·1	2·0	8·7	84	6·2	0	4	5	9	12	0	0	0	0	0	0	0	1	5	13	11	0	0	4	11	15	0	1	2	2	7	4	8	4	5	0
		9	33	1004·6	–	45·3	1·9	8·9	85	6·5	0	0	6	14	10	0	0	0	0	0	0	0	1	7	16	6	0	0	3	12	15	0	0	1	1	6	5	9	3	5	0
Ayr	Prestwick Airport H	15	33	1004·1	–	48·2	3·0	9·0	78	6·6	0	1	3	18	8	0	0	0	0	0	0	0	2	3	18	6	1	0	2	18	10	0	0	1	2	4	2	11	4	3	2
		21	33	1003·9	–	45·7	2·3	8·9	83	6·1	0	4	5	8	13	0	0	0	0	0	0	0	1	9	13	5	0	2	2	12	16	0	0	2	2	6	6	2	3	2	0
		9	778	1006·7	-3·8	41·0	0·4	8·6	96	6·8	0	1	5	10	13	1	0	1	0	1	0	1	9	6	7	5	0	2	6	17	5	4	0	4	3	3	11	4	0	2	0
Dumfries	Eskdalemuir H	15	778	1005·8	–	43·8	1·2	8·8	89	6·7	0	2	3	12	13	0	0	0	0	0	0	0	5	8	10	7	0	0	13	14	3	2	2	4	0	12	4	1	0	2	3
		21	778	1006·2	–	40·5	0·4	8·4	96	5·5	2	8	0	4	16	0	0	0	0	0	0	0	2	8	12	4	4	0	2	5	18	5	3	3	0	4	5	3	0	2	3
		3	260	1004·2	–	46·9	1·6	9·8	88	6·2	0	4	6	4	16	0	0	0	0	0	0	1	0	0	0	25	4	6	7	11	6	0	6	3	0	2	2	5	7	4	5	3
Wigtown	Mull of Galloway H	9	260	1004·2	–	46·8	1·4	9·8	89	6·5	0	2	4	13	11	0	0	0	0	0	0	0	0	0	1	26	3	4	8	14	4	0	3	2	1	2	1	7	6	7	2	1
		15	260	1003·7	–	48·2	2·2	9·7	84	6·5	0	1	8	8	13	0	0	0	0	0	0	0	0	2	0	26	2	4	9	13	4	0	4	1	2	1	2	8	6	1	0	
		21	260	1003·5	–	47·4	1·6	10·0	88	6·5	0	1	6	11	12	0	0	0	0	0	0	0	0	0	2	23	5	5	6	13	6	0	5	0	2	1	9	6	7	0	
6b ISLE OF MAN																																							
		3	31	1004·6	–	47·6	1·2	10·3	91	5·4	0	9	2	9	10	0	0	0	0	0	0	0	0	5	20	5	0	5	14	11	0	6	2	0	2	12	4	2	2	
		9	31	1005·0	–	47·7	1·1	10·4	91	6·7	0	0	5	15	10	0	0	0	0	0	0	0	2	7	17	4	1	3	14	12	0	3	2	2	2	11	4	5	1	2
Isle of Man	Point of Ayre ..	15	31	1004·4	–	49·7	2·0	10·5	86	6·2	0	0	9	14	7	0	0	0	0	0	0	0	2	6	18	4	0	6	12	12	0	2	2	4	2	5	7	6	2	2
		21	31	1004·3	–	47·8	1·4	10·3	89	5·7	0	5	7	8	10	0	0	0	0	0	0	0	1	8	18	3	1	5	10	14	0	2	3	2	1	10	7	3	2	2
		3	68	1005·4	–	47·5	1·9	9·8	85	5·3	1	6	6	4	13	0	0	0	0	0	0	0	1	5	11	6	7	3	8	14	4	1	6	0	2	1	4	7	6	4	2
	Ronaldsway H	9	68	1005·5	–	47·8	1·9	9·7	85	6·5	0	1	5	14	10	0	0	0	0	0	0	0	0	5	7	9	9	1	11	11	7	0	5	2	1	7	6	4	4	2	5
		15	68	1004·8	–	49·2	2·5	9·8	81	6·6	0	0	7	16	7	0	0	0	0	0	0	0	2	3	10	7	8	2	11	11	4	2	2	2	3	2	4	8	4	3	4
		21	68	1004·8	–	48·1	2·0	9·9	86	5·9	0	5	5	7	13	0	0	0	0	0	0	1	9	8	3	9	2	11	8	7	2	3	1	2	3	6	6	3	4	
2 ENGLAND, N.E.																																							
		3	142	1006·0	–	42·7	1·4	8·4	89	5·1	6	2	4	6	12	0	0	0	0	1	3	5	9	7	4	1	0	3	9	16	2	0	2	2	2	11	6	4	1	
Northumberland	Acklington H	9	142	1006·4	–	43·2	1·3	8·6	89	6·4	0	5	0	12	13	0	0	0	0	0	2	7	8	10	2	1	0	2	7	18	3	0	1	4	1	12	6	1	2	
		15	142	1005·4	–	47·0	2·6	9·0	81	5·5	1	8	1	10	10	0	0	0	1	4	2	8	4	8	3	1	2	1	0	16	1	2	1	4	1	12	6	1	2	
		21	142	1005·7	–	42·9	1·5	8·4	88	5·2	6	2	4	4	13	1	0	0	0	1	4	5	7	6	6	1	0	1	8	18	3	1	2	2	2	11	6	3	0	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT: No. of Observations 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 34 or more	28 to 33	22 to 27	17 to 21	11 to 16	7 to 10	4 to 6	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																		Speed in knots															
2 ENGLAND, N.E.—*cont.*																																									
Northumberland—*cont.* Tynemouth H	3	130	1006·4	–	45·3	1·8	9·0	86	5·6	8	0	1	4	17	0	0	0	0	0	3	3	13	11	0	0	0	4	9	17	0	0	0	4	1	8	7	9	1
	9	130	1006·8	-3·8	44·8	1·9	8·7	85	6·3	2	1	2	14	11	0	0	0	0	3	4	9	8	6	0	0	2	3	11	14	0	0	0	1	4	1	14	3	7	0	0
	15	130	1005·9	–	48·2	3·0	9·1	78	6·0	2	2	5	9	12	0	0	0	0	0	4	6	13	7	0	0	2	0	15	13	0	1	0	5	2	10	2	10	0	2
	21	130	1006·1	–	45·8	2·1	8·8	83	5·9	5	2	2	4	16	1	0	0	0	0	2	5	10	10	3	0	0	1	1	9	19	0	0	0	2	3	13	2	8	0	2
Durham Middleton St. George H	3	118	1007·1	–	42·5	1·0	8·6	91	5·4	6	1	3	8	11	1	0	0	0	0	4	5	5	10	6	0	0	0	2	12	12	4	1	2	1	1	16	3	0	2
	9	118	1007·3	–	42·8	1·0	8·6	91	6·3	0	4	3	8	14	1	0	0	1	2	2	10	9	4	2	0	0	2	8	19	1	0	2	2	1	16	4	3	1
	15	118	1006·3	–	47·0	2·1	9·2	84	6·1	1	4	2	13	9	1	0	0	1	2	1	9	8	6	2	1	0	0	13	16	1	0	4	2	1	11	5	5	1
	21	118	1006·6	–	43·0	1·1	8·7	91	5·2	6	4	2	3	13	2	0	0	1	1	2	5	8	9	4	0	0	0	2	8	18	2	2	1	1	1	15	3	3	2
Yorks., N. Riding Dishforth H	3	131	1007·2	–	42·0	0·9	8·6	92	6·0	4	1	3	8	11	3	0	0	3	1	2	3	7	9	3	2	0	0	2	9	19	0	0	1	3	12	6	2	0	6
	9	131	1007·4	–	41·2	0·7	8·4	94	6·7	1	2	2	10	12	3	0	0	3	4	0	4	5	9	3	1	1	0	0	6	23	1	2	2	3	12	5	2	3	0
	15	131	1006·3	–	46·5	2·0	9·3	86	6·4	1	1	4	16	6	2	1	1	0	1	4	6	7	5	2	3	0	0	12	17	1	2	2	1	7	7	4	3	3
	21	131	1006·7	–	42·9	1·1	8·7	91	5·2	4	6	3	0	14	3	0	0	2	1	3	6	6	8	4	0	0	0	2	6	22	0	3	0	0	8	10	2	1	6
Yorks., E. Riding Leconfield H	3	27	1007·9	–	42·1	0·9	8·6	92	5·4	4	2	7	4	10	3	2	2	0	0	6	8	10	2	0	0	0	3	7	17	3	0	2	1	2	11	4	5	2
	9	27	1008·1	–	42·7	1·0	8·6	92	6·2	2	2	3	11	9	3	0	2	0	0	2	3	8	8	5	1	1	0	1	6	18	5	1	1	2	2	9	6	2	2
	15	27	1007·1	–	47·6	2·1	9·5	85	6·3	1	2	4	12	10	1	0	0	0	1	4	11	10	2	1	1	0	0	8	20	2	1	0	3	3	9	5	5	2	3
	21	27	1007·5	–	43·1	1·1	8·8	91	4·9	7	1	7	2	12	1	1	1	0	2	5	7	11	3	0	0	0	3	7	17	3	0	2	1	4	12	3	5	2	3
	3	54	1008·2	–	44·8	1·2	9·2	90	4·8	7	2	3	10	5	3	0	1	1	2	1	3	22	0	0	0	0	4	16	10	0	1	0	3	0	17	5	1	3	3
Spurn Head H	9	54	1008·2	-3·2	44·6	1·0	9·2	91	5·8	2	2	6	9	7	4	0	4	0	1	1	9	14	1	0	0	1	3	14	11	1	1	1	2	15	3	4	2	3
	15	54	1007·4	–	47·4	1·6	9·8	88	5·5	2	2	7	12	5	2	0	1	1	0	1	10	15	2	0	0	0	2	13	12	3	0	1	1	4	9	5	4	3	3
	21	54	1007·6	–	45·8	1·4	9·3	88	4·2	7	4	6	10	3	0	0	0	0	1	7	22	0	0	0	0	0	5	10	14	1	0	1	2	1	16	4	3	2	1
	3	227	1008·4	–	41·4	0·8	8·5	94	5·5	7	2	1	5	11	4	0	3	2	1	4	5	9	6	0	0	0	1	8	19	2	1	1	3	8	6	6	2	1	1
	9	227	1008·4	–	41·9	0·9	8·5	92	6·6	0	4	1	8	12	5	0	6	0	1	3	2	16	2	0	0	0	1	9	19	1	1	2	2	8	9	3	3	1	0
Lincoln Waddington H	15	227	1007·6	–	46·3	1·6	9·4	88	6·4	0	5	0	12	11	2	0	1	0	3	1	5	13	6	0	1	0	0	6	22	2	2	2	1	6	8	6	3	0	3
	21	227	1008·0	–	43·4	1·2	8·7	90	4·5	11	0	3	3	13	0	0	1	1	2	2	5	18	1	0	0	0	0	7	20	3	2	1	0	7	13	1	0	3	
	3	47	1008·5	–	41·7	0·9	8·5	92	5·5	6	3	1	5	14	1	0	1	1	3	5	5	12	3	0	0	0	2	10	15	3	1	0	1	2	13	4	3	3	3
Manby H	9	47	1008·6	–	42·7	1·2	8·7	91	6·2	1	4	1	13	10	1	0	2	1	2	1	3	17	4	0	0	0	2	12	15	1	2	0	2	4	12	5	1	3	2
	15	47	1007·7	–	47·2	2·0	9·5	85	6·1	2	2	3	12	11	0	0	0	0	2	2	4	10	9	2	1	0	1	12	15	2	1	2	0	2	12	4	5	2	
	21	47	1008·1	–	42·4	1·0	8·6	91	5·2	4	6	3	3	14	0	0	1	1	0	4	2	18	4	0	0	0	1	11	15	3	3	0	1	2	11	6	2	2	
3 ENGLAND, E.																																									
	3	89	1009·5	–	40·2	0·8	8·1	90	4·8	9	1	2	6	9	3	0	3	1	3	3	4	10	5	1	0	0	0	12	15	3	1	0	1	8	15	0	0	2	
Norfolk Marham H	9	89	1009·3	–	41·5	0·7	8·5	93	6·4	2	2	1	12	6	7	1	5	2	0	3	0	11	3	4	1	0	0	1	12	15	2	2	1	2	7	12	2	1	1
	15	89	1008·4	–	47·4	2·2	9·4	84	6·5	1	2	2	13	10	2	1	1	0	0	1	2	12	7	3	3	0	0	0	14	15	1	2	1	3	2	13	6	1	1
	21	89	1008·9	–	42·3	1·2	8·5	92	4·7	6	3	8	1	10	2	0	2	0	1	1	4	16	5	1	0	0	1	12	15	2	2	1	1	6	15	2	0	1	1
	3	263	1009·4	–	41·2	0·8	8·4	93	3·6	12	2	4	6	5	1	0	2	1	3	2	5	12	4	0	1	0	2	11	17	0	2	1	1	2	13	8	3	0	
West Raynham H	9	263	1009·2	–	41·9	0·9	8·7	93	5·8	3	3	2	13	6	3	0	3	1	1	4	3	6	9	2	1	0	2	12	15	1	1	1	1	5	8	9	1	3	1
	15	263	1008·3	–	46·8	2·0	9·3	84	6·2	2	2	3	11	11	1	0	1	0	0	2	1	13	8	4	1	0	0	14	16	0	2	1	2	1	12	6	5	1	1
	21	263	1008·8	–	42·7	1·0	8·7	92	4·4	8	4	4	3	10	1	0	1	0	0	5	1	16	6	1	0	0	3	10	16	1	2	0	3	0	12	10	1	1	
	3	26	1010·1	–	44·7	1·2	9·2	90	3·2	8	9	4	4	5	0	0	0	0	0	1	1	24	4	0	0	0	4	5	20	1	1	0	2	0	13	5	7	1	1
Gorleston	9	26	1010·2	-2·5	45·0	1·1	9·4	91	5·7	2	1	7	13	6	1	0	0	0	0	2	1	3	18	6	0	0	1	6	5	18	0	1	0	1	0	14	7	3	4
	15	26	1009·3	–	48·5	2·2	9·9	85	6·1	0	4	4	11	11	0	0	0	0	0	2	1	20	7	0	0	0	4	14	12	0	2	0	1	1	3	14	6	1	3
	21	26	1009·7	–	46·0	1·4	9·5	89	4·3	9	4	2	7	8	0	1	0	0	0	2	2	20	5	0	0	0	4	10	15	1	0	1	1	0	17	4	3	3	
	3	39	1009·5	–	41·9	1·2	8·3	90	4·0	11	1	4	7	6	1	0	1	1	3	6	4	9	3	3	0	0	0	5	24	1	0	0	1	5	16	3	2	2	
Suffolk Mildenhall H	9	39	1009·3	–	43·0	1·5	8·5	89	5·7	4	2	1	14	6	3	0	4	1	1	0	4	11	7	2	0	0	1	6	21	2	1	0	2	7	11	4	1	2	
	15	39	1008·5	–	48·6	2·7	9·4	80	6·0	1	3	5	11	8	2	0	2	0	0	1	5	12	9	1	0	0	0	6	21	3	2	1	2	3	12	4	2	1	
	21	39	1008·9	–	43·7	1·4	8·7	89	4·7	7	3	4	6	10	0	0	2	0	0	2	1	19	6	0	0	0	0	7	21	2	1	1	1	4	16	2	1	2	
	3	13	1010·3	–	45·7	1·2	9·5	91	4·6	9	1	4	7	8	1	0	1	0	1	3	3	9	13	0	0	0	3	8	17	2	1	0	1	1	16	1	5	3	
Felixstowe.. H	9	13	1010·3	-3·0	45·4	1·0	9·6	93	5·9	1	4	3	11	10	1	0	1	0	0	3	7	9	8	2	0	1	3	7	17	2	1	0	0	6	10	3	4	2	
	15	13	1009·4	–	49·2	2·5	9·8	82	5·8	2	4	0	17	7	0	0	0	0	0	2	0	9	16	3	0	0	3	12	13	2	2	1	1	5	13	1	3	2	
	21	13	1009·9	–	46·4	1·3	9·7	90	4·8	5	2	6	7	10	0	0	0	0	0	1	4	16	9	0	0	0	2	7	20	1	0	0	1	2	5	11	4	3	4
	3	141	1009·0	–	41·7	1·0	8·4	92	5·1	9	1	2	1	15	2	1	3	1	4	2	4	9	6	0	0	0	0	8	21	1	2	0	0	1	2	15	6	2	1
Huntingdon Wyton .. H	9	141	1008·9	–	42·3	1·1	8·5	91	6·4	1	3	2	9	11	4	2	3	1	1	2	5	13	3	0	0	0	1	11	16	2	2	0	2	2	13	6	1	2	
	15	141	1008·3	–	47·6	2·5	9·3	82	6·3	2	1	4	10	10	3	1	2	0	0	3	4	11	5	3	1	0	0	9	20	1	2	3	2	1	7	9	4	1	
	21	141	1008·7	–	43·3	1·3	8·7	90	4·8	6	3	4	7	8	2	0	3	0	2	4	3	12	6	0	0	0	0	8	20	2	2	0	1	1	14	8	0	2	
	3	96	1009·2	–	41·5	1·0	8·4	91	4·2	11	2	1	4	12	0	0	2	0	2	4	5	10	5	2	0	0	0	7	13	10	0	1	0	4	6	5	3	1	
Bedford Cardington H	9	96	1008·9	–	42·7	1·3	8·6	89	6·7	1	2	2	11	11	3	0	4	0	1	1	8	8	8	0	0	0	1	7	14	8	1	2	1	5	7	3	2	1	
	15	96	1008·3	–	47·9	2·6	9·3	82	6·0	1	3	6	9	8	3	2	0	1	0	1	1	12	11	2	0	0	0	9	18	3	2	3	2	1	8	7	2	1	
	21	96	1008·7	–	43·0	1·2	8·6	90	3·9	5	4	4	6	9	2	1	0	0	1	3	3	13	9	0	0	0	0	10	12	8	1	1	0	3	10	4	2	1	
	3	517	1012·7	–	40·8	0·8	8·4	94	4·8	11	0	0	7	10	2	1	4	0	2	4	4	8	6	1	0	0	0	8	16	6	2	0	1	1	15	0	3	2	
Hertford Bovingdon H	9	517	1009·0	–	42·4	0·7	8·8	93	6·0	4	2	1	8	14	1	0	2	0	2	4	6	8	7	1	0	0	0	10	15	5	3	0	3	1	12	2	1	2	
	15	517	1008·3	–	47·2	2·4	9·0	82	6·2	1	2	6	10	11	0	0	0	0	0	1	3	11	7	7	1	0	1	6	21	2	3	0	3	1	11	7	2	1	
	21	517	1008·9	–	41·9	0·8	8·5	93	5·1	7	2	3	6	10	2	0	2	1	0	7	3	10	7	0	0	0	0	9	17	4	2	1	1	2	12	4	3	1	
	9	12	1010·4	-3·3	45·3	1·1	9·6	91	6·0	2	3	2	14	9	0	0	1	0	1	4	3	13	8	0	0	0	1	9	20	0	3	0	1	2	15	3	4	2	
Essex Shoeburyness H	15	12	1009·6	–	49·1	2·4	9·9	82	5·4	2	5	3	10	10	0	0	0	0	0	3	4	11	11	1	1	0	1	8	19	2	4	0	2	3	10	5	4	0	
	21	12	1010·1	–	45·2	1·5	9·3	89	4·2	6	5	6	2	11	0	0	0	1	1	2	4	18	3	1	0	0	3	7	19	1	2	1	1	2	12	5	6	0	
4 MIDLAND COUNTIES																																									
	3	769	1007·1	–	42·6	1·1	8·6	90	5·0	5	6	2	3	14	0	0	1	2	0	1	7	7	8	4	0	0	1	9	19	1	0	3	3	3	5	11	2	2	
Yorks, W.R. Huddersfield (Oakes) H	9	769	1007·4	–	43·4	1·5	8·4	88	6·2	1	4	2	6	17	0	0	2	0	0	1	7	15	3	2	0	0	0	13	16	1	0	4	4	1	4	10	5	1	
	15	769	1006·6	–	44·8	2·0	8·6	85	5·8	0	3	10	4	13	0	1	0	0	2	1	3	7	10	6	0	0	0	8	21	1	1	5	1	1	6	9	5	1	
	21	769	1006·7	–	43·0	1·4	8·4	88	5·2	5	4	3	5	13	0	1	0	0	1	0	8	6	13	1	0	0	0	3	6	18	3	1	2	3	0	5	9	4	3
	3	390	1008·0	–	41·4	0·7	8·5	93	5·1	8	1	3	2	12	4	0	4	0	5	6	1	9	5	0	0	0	0	4	22	4	0	0	2	1	6	8	5	4	
Nottingham Watnall H	9	390	1007·9	–	42·1	0·8	8·7	93	6·4	2	3	1	8	13	3	0	4	3	1	6	8	8	0	0	0	0	0	5	23	2	1	2	3	0	9	4	5	4	
	15	390	1007·3	–	46·6	2·2	9·0	84	5·9	0	5	4	11	8	2	0	2	0	2	5	7	14	0	0	0	0	0	6	22	2	1	2	3	1	3	8	9	1	
	21	390	1007·6	–	42·8	1·0	8·7	92	4·9	9	2	0	5	11	3	1	2	1	4	7	5	10	0	0	0	0	0	5	20	5	2	2	1	1	5	11	2	1	
	3	46	1008·0	–	41·6	0·7	8·5	93	4·7	11	0	2	4	12	1	0	1	3	3	2	7	9	5	0	0	0	2	9	17	2	1	1	1	7	12	1	1	4	
Finningley H	9	46	1008·1	–	41·9	0·7	8·6	93	6·9	0	2	2	10	13	3	2	1	0	2	5	7	8	5	0	0	0	2	9	17	2	2	2	0	7	11	2	4	0	
	15	46	1007·2	–	47·0	2·2	9·3	85	6·1	2	2	4	10	11	1	0	1	0	2	3	9	10	4	0	1	0	0	14	14	2	3	0	3	6	10	2	4	0	
	21	46	1007·5	–	42·9	1·0	8·7	91	5·4	7	1	3	4	12	3	0	3	0	4	5	7	9	2	0	0	0	2	10	17	1	1	1	0	8	13	2	0	4	
	9	109	1008·3	–	42·2	1·0	8·7	91	6·7	0	4	2	7	14	3	1	2	2	1	1	3	9	10	1	0	0	0	3	13	12	2	2	1	0	5	12	4	2	2
Langar H	15	109	1007·7	–	46·6	2·1	9·2	85	6·7	0	1	4	14	9	2	0	2	0	0	3	4	10	8	3	0	0	0	2	9	17	2	2	4	0	2	11	8	1	0
	21	109	1007·9	–	42·1	1·1	8·5	90	4·7	10	0	3	6	11	0	0	1	2	1	1	3	16	5	1	0	0	0	3	11	15	1	2	0	2	2	8	6	3	4
	3	219	1008·8	–	41·1	0·9	8·3	92	5·6	5	0	6	4	13	2	0	3	1	5	1	4	8	5	3	0	0	0	11	16	3	1	0	1	2	13	4	3	3	
Northampton Wittering H	9	219	1008·7	–	42·4	1·1	8·7	92	6·5	0	3	4	8	13	2	0	2	1	3	2	3	11	8	0	0	0	1	14	14	1	3	1	2	3	9	7	2	2	
	15	219	1008·0	–	47·2	2·5	9·2	83	6·3	0	4	4	9	11	2	0	1	2	2	3	2	9	9	1	1	0	0	11	19	0	3	2	2	2	8	6	5	2	
	21	219	1008·4	–	41·8	1·0	8·5	92	5·0	6	2	4	8	9	1	1	0	0	3	2	4	14	6	0	0	0	2	10	15	3	4	0	1	1	9	8	2	2	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
4 MIDLAND COUNTIES—*cont.*																																											
Warwick Birmingham H	9	542	1008·0	−4·9	43·0	1·1	8·8	91	6·0	3	3	1	8	14	1	0	1	1	2	6	2	13	5	0	0	0	0	5	24	1	3	1	1	6	12	2	2	2
	15	542	1007·4	–	47·0	2·6	8·8	80	5·9	1	4	4	11	10	0	0	0	1	0	4	4	15	6	0	0	0	0	10	20	0	1	1	2	2	13	5	4	2
	21	542	1007·6	–	44·5	1·4	9·0	88	4·9	7	3	2	6	11	1	0	0	0	3	5	2	14	6	0	0	0	0	4	15	0	1	1	2	2	13	5	4	2
	3	362	1008·4	–	41·5	1·0	8·4	92	5·0	5	5	2	5	13	0	1	1	0	2	5	4	8	12	0	0	0	0	8	17	5	0	0	1	7	9	3	2	3
Elmdon .. H	9	362	1008·1	–	42·1	0·7	8·8	93	6·4	3	0	3	7	14	3	2	2	1	0	5	4	14	2	0	0	0	0	8	18	4	0	0	2	2	11	5	1	3
	15	362	1007·5	–	47·7	2·4	9·3	82	6·2	0	3	4	15	8	0	0	0	0	1	4	9	15	1	0	0	0	0	7	21	2	1	2	2	2	12	4	3	2
	21	362	1007·9	–	43·4	1·4	8·7	89	4·8	4	6	3	5	12	0	0	1	0	4	1	12	11	1	0	0	0	0	7	19	4	2	1	1	1	16	3	0	2
	3	242	1007·3	–	42·3	1·0	8·6	92	5·7	2	4	5	5	13	1	0	1	1	2	3	2	6	8	7	0	0	0	10	14	6	1	1	2	2	9	2	3	1
Shropshire Shawbury .. H	9	242	1007·4	–	42·0	1·1	8·5	91	6·3	1	3	3	12	8	3	2	2	0	1	0	3	12	4	5	1	0	0	8	17	5	2	0	3	5	7	1	5	2
	15	242	1006·5	–	47·6	2·4	9·3	82	6·0	1	3	4	16	6	0	0	0	1	2	1	3	7	5	4	7	0	0	12	16	2	2	1	4	4	7	5	4	1
	21	242	1006·8	–	43·5	1·4	8·8	90	5·6	3	3	5	7	12	0	0	0	1	1	5	2	9	5	2	0	1	8	15	6	0	0	0	3	1	14	3	0	3
	3	112	1008·2	–	42·8	1·0	8·9	93	5·0	6	4	3	2	13	2	1	1	0	1	0	6	11	6	5	0	0	0	10	13	7	0	0	0	1	1	12	6	1	2
	9	112	1008·0	–	43·4	1·0	9·1	91	6·5	0	2	5	11	9	3	1	1	1	1	1	2	7	11	5	0	0	0	6	18	6	3	1	0	2	8	6	3	1
Worcester Pershore .. H	15	112	1007·4	–	48·7	2·5	9·7	83	6·3	0	4	3	12	10	1	0	1	0	0	1	3	10	5	11	1	0	0	6	20	3	2	1	3	1	8	7	2	3
	21	112	1007·8	–	44·0	1·3	9·0	90	4·9	5	5	3	6	10	1	0	1	0	0	3	3	10	8	3	2	0	2	7	14	7	1	2	0	2	13	3	1	1
	9	226	1007·8	−5·2	44·3	1·5	9·0	89	6·6	0	3	3	8	13	3	0	3	0	1	1	0	7	8	8	2	0	0	2	25	3	1	1	0	2	9	8	2	4
Hereford Ross-on-Wye H	15	226	1007·0	–	48·7	3·0	9·2	72	6·3	0	4	4	10	11	1	0	1	0	0	1	2	9	7	9	2	0	0	4	26	0	2	2	2	1	8	10	4	1
	21	226	1007·5	–	44·9	1·7	8·9	86	5·1	3	6	3	5	12	1	0	1	0	1	3	3	10	5	7	0	0	0	5	22	3	1	2	3	0	11	7	3	0
	3	197	1008·4	–	44·3	1·2	9·2	91	4·6	7	4	3	6	10	0	0	1	0	2	2	3	13	6	2	1	0	0	5	22	3	2	1	3	2	10	4	4	1
	9	197	1008·4	–	45·1	1·3	9·4	90	6·0	1	3	5	10	9	2	0	1	0	2	3	4	11	8	0	1	0	1	7	19	3	1	3	2	4	6	5	4	1
Gloucester Bristol (Filton) H	15	197	1007·7	–	49·3	2·7	9·7	80	5·9	0	4	7	12	7	0	0	0	0	0	3	4	9	13	1	0	0	1	7	22	0	4	1	3	2	7	7	4	2
	21	197	1008·2	–	45·3	1·7	9·2	89	5·0	6	3	3	7	10	1	0	1	0	2	5	2	16	3	0	1	0	1	6	20	3	1	3	3	0	14	2	4	0
	3	751	1008·8	–	41·5	0·4	8·7	96	4·7	9	3	0	4	13	1	0	2	1	4	3	7	7	4	1	1	0	3	8	17	2	3	0	1	2	8	9	4	1
Little Rissington H	9	751	1008·5	–	42·4	0·5	9·0	95	5·8	1	4	5	8	11	1	0	1	0	2	1	2	13	9	2	0	0	3	10	16	1	3	2	1	2	8	6	4	3
	15	751	1007·8	–	46·2	1·9	9·1	85	6·2	0	3	5	13	7	2	0	1	0	1	1	2	7	8	8	2	0	1	12	17	0	3	0	2	2	7	9	4	3
	21	751	1008·5	–	42·2	0·8	8·7	94	4·8	5	5	4	6	9	1	0	1	0	1	1	5	11	7	4	0	0	3	8	16	3	3	0	2	1	6	10	3	2
5 ENGLAND, S.E.																																										
	3	86	1009·7	–	42·4	0·9	8·6	92	5·2	8	0	2	9	8	3	2	1	2	0	1	3	7	11	3	0	0	0	8	12	10	2	0	1	1	11	1	3	1
Middlesex London Airport H	9	86	1009·3	–	44·0	1·2	9·1	91	6·6	1	2	0	16	7	4	1	2	2	1	2	6	9	4	3	0	0	1	8	17	4	3	0	2	1	12	4	4	0
	15	86	1008·7	–	48·7	2·7	9·5	81	6·0	1	4	3	13	7	2	2	0	0	2	2	14	7	2	1	0	0	1	6	20	3	2	0	2	3	7	7	5	1
	21	86	1009·2	–	44·4	1·3	9·1	90	5·2	4	2	7	8	7	2	1	1	2	3	2	1	12	7	1	0	0	0	5	20	5	2	0	2	0	11	4	6	0
	9	34	1009·5	−4·2	45·1	1·5	9·1	88	6·6	0	2	5	9	9	5	2	1	3	0	5	2	11	3	1	2	0	0	0	9	17	4	1	2	1	1	14	5	1	1
Surrey Kew Observatory H	15	34	1008·8	–	49·1	3·1	9·2	78	6·4	0	3	3	13	9	2	2	0	0	0	2	4	18	2	1	1	0	0	6	22	2	1	1	2	2	7	8	5	2
	21	34	1009·3	–	45·7	1·7	9·1	87	4·9	5	3	5	9	5	3	2	3	0	0	4	2	10	7	2	0	0	0	4	23	3	2	1	1	1	12	7	2	1
	3	195	1009·9	–	41·1	1·0	8·3	92	5·0	7	2	3	7	8	3	3	3	0	0	1	1	4	7	6	5	0	0	0	6	13	11	1	1	1	1	9	4	1	1
Gatwick .. H	9	195	1009·6	–	42·2	1·0	8·7	92	5·8	1	4	5	10	8	2	0	4	0	0	0	6	3	9	5	3	0	0	1	7	10	12	0	0	2	1	8	4	1	2
	15	195	1008·9	–	48·9	2·5	9·7	82	6·3	0	3	4	15	8	0	0	0	0	0	1	13	11	5	0	0	0	1	5	23	1	1	2	3	1	7	8	5	2
	21	195	1009·4	–	42·8	1·3	8·6	91	4·9	6	2	4	10	5	3	0	2	2	1	3	3	11	7	1	0	0	0	5	17	8	2	1	1	2	10	4	2	0
	3	309	1010·3	–	42·0	0·7	8·7	95	5·0	7	2	4	5	12	0	0	0	0	2	4	5	8	10	1	0	0	0	8	13	9	2	0	1	0	12	4	2	0
Kent West Malling H	9	309	1010·1	–	43·5	0·8	9·2	94	5·5	2	4	5	8	10	1	0	1	1	1	3	4	11	7	2	0	0	0	7	19	4	4	0	2	1	14	6	0	1
	15	309	1009·2	–	48·1	2·1	9·7	84	5·9	0	5	4	13	8	0	0	0	0	0	2	4	5	16	3	0	0	0	1	10	17	2	3	0	2	1	8	9	3	2
	21	309	1009·9	–	42·7	0·9	8·8	93	4·8	5	6	3	5	10	1	0	1	0	0	2	3	3	13	8	0	0	0	1	7	14	8	3	1	0	0	9	8	1	0
	3	35	1010·0	–	45·5	1·4	9·4	90	5·3	2	6	5	6	10	1	0	1	1	0	1	5	2	16	5	0	0	0	8	21	1	5	0	2	1	7	6	4	2
Sussex Thorney Island H	9	35	1009·6	–	45·9	1·1	9·8	91	5·7	0	5	5	13	7	0	0	0	1	0	1	2	2	11	8	5	0	1	0	9	17	3	2	4	3	1	7	3	5	2
	15	35	1009·1	–	50·6	3·1	9·9	78	6·2	0	4	2	19	5	0	0	0	0	0	0	0	0	8	16	5	1	0	0	9	21	0	3	1	3	4	4	7	6	2
	21	35	1009·6	–	46·1	1·5	9·5	89	5·4	2	5	6	9	8	0	0	0	0	0	0	1	6	4	16	3	0	0	0	6	20	4	1	3	3	2	6	6	4	2
	9	20	1010·3	–	47·3	1·9	9·8	87	6·0	0	2	8	10	10	0	0	0	0	0	0	0	0	23	7	0	0	0	7	2	14	7	2	0	0	0	9	6	4	2
Eastbourne (Coastguard) H	15	20	1009·3	–	51·2	3·5	9·9	77	6·3	0	0	10	12	8	0	0	0	0	0	0	0	0	18	12	0	0	0	6	6	13	5	3	0	2	0	6	4	8	2
	21	20	1010·0	–	47·6	2·2	9·5	84	5·5	3	1	9	8	9	0	0	0	0	0	0	0	0	20	10	0	0	0	6	6	9	9	4	0	1	0	5	4	7	0
	3	234	1009·3	–	41·7	1·0	8·5	92	5·3	7	2	2	2	13	4	0	4	1	1	2	3	7	9	3	0	0	0	8	12	10	0	0	1	2	3	10	0	2	2
Berkshire Abingdon .. H	9	234	1008·9	–	42·7	1·0	8·9	93	6·7	1	1	4	9	12	3	0	3	0	2	1	3	7	9	4	1	0	0	0	7	18	5	1	2	2	4	8	4	1	3
	15	234	1008·3	–	49·0	2·8	9·6	80	6·3	0	1	7	12	10	0	0	0	0	1	2	1	7	8	11	0	0	1	4	21	4	1	2	1	3	7	8	4	0
	21	234	1008·8	–	43·2	1·3	8·6	89	4·3	8	3	5	5	9	0	0	1	0	1	3	4	8	12	1	0	0	0	6	15	9	2	2	0	3	9	2	2	1
	3	231	1010·0	–	42·3	1·0	8·8	92	5·1	7	2	3	8	7	3	2	1	1	2	1	1	7	11	3	1	0	0	3	23	4	1	0	1	2	11	4	5	2
Hampshire S. Farnborough H	9	231	1009·7	−4·0	43·3	0·9	9·1	93	6·2	2	2	3	12	9	2	2	2	0	0	0	6	3	7	5	3	2	0	0	7	20	3	1	0	2	1	12	5	4	2
	15	231	1009·0	–	48·8	2·5	9·7	82	5·9	1	4	3	12	9	1	0	1	0	0	1	2	7	9	4	6	0	0	0	4	25	1	1	1	3	3	5	6	7	3
	21	231	1009·6	–	43·8	1·2	9·0	90	5·2	5	1	5	10	8	1	1	0	2	0	1	0	3	9	11	1	1	0	0	4	23	3	1	1	2	2	7	9	4	1
	3	344	1009·7	–	42·1	0·8	8·8	94	5·2	5	4	3	3	12	3	1	2	2	1	1	3	8	7	4	1	0	0	0	8	18	4	0	0	2	1	5	12	3	2
Blackbushe H	9	344	1009·3	–	43·1	0·9	9·2	94	6·1	1	3	4	11	9	2	1	1	3	3	1	1	9	7	4	0	0	0	0	10	16	4	0	2	0	3	14	3	1	3
	15	344	1008·7	–	47·9	2·4	9·5	83	6·6	0	3	3	13	9	2	1	1	0	0	1	0	4	12	8	3	0	0	1	7	21	1	2	0	3	1	10	7	4	2
	21	344	1009·2	–	43·4	1·0	9·1	92	4·8	3	6	2	5	11	6	0	0	1	0	1	2	4	12	6	3	1	0	0	8	18	4	2	2	1	1	2	13	5	2	0
	3	458	1008·5	–	42·9	0·9	8·9	92	4·9	9	1	1	8	11	0	0	0	0	0	2	5	8	14	1	0	0	0	1	9	19	1	2	1	1	3	12	10	3	0	2
Wiltshire Lyneham H	9	458	1008·5	–	43·5	0·9	9·1	93	6·3	0	4	1	16	8	1	0	1	0	0	0	4	2	7	7	3	0	0	0	8	20	2	1	2	1	1	9	9	3	2	2
	15	458	1007·8	–	48·1	2·4	9·4	82	6·3	0	1	8	13	8	0	0	0	0	0	2	2	4	11	6	5	0	0	1	7	22	0	3	0	3	2	7	7	5	3
	21	458	1008·5	–	43·7	1·1	9·0	92	5·1	8	1	2	7	12	0	0	0	0	0	0	5	1	6	14	4	0	0	0	5	24	1	2	1	2	3	13	6	2	0	1
	9	582	1008·9	–	43·6	0·7	9·2	94	6·3	0	4	2	13	9	2	0	3	0	1	3	2	6	10	4	1	0	1	12	15	2	4	0	5	3	8	5	2	1	1
Upavon .. H	15	582	1008·3	–	47·3	2·1	9·4	84	6·2	0	3	5	10	12	0	0	0	0	1	2	1	7	9	5	5	1	1	11	16	1	3	0	3	3	6	5	6	3	1
	21	582	1008·9	–	42·7	0·9	8·7	93	4·5	8	3	3	7	8	1	0	0	1	1	0	2	2	12	9	3	0	0	1	7	18	4	3	1	5	1	8	4	2	2
	3	419	1009·5	–	42·6	0·7	9·0	93	5·1	4	6	3	7	10	0	0	0	0	1	2	3	5	11	7	1	0	0	0	9	19	2	0	1	4	2	10	4	4	3
Boscombe Down H	9	419	1009·2	–	43·8	0·7	9·5	94	6·1	0	5	3	11	10	1	0	1	1	1	2	4	7	11	3	0	0	0	0	9	20	1	0	0	5	3	7	5	5	4
	15	419	1008·7	–	48·7	2·4	9·7	82	6·2	0	0	9	12	9	0	0	0	0	0	0	3	8	12	5	2	0	0	1	11	18	0	1	0	5	2	7	6	4	5
	21	419	1009·2	–	43·7	1·0	9·0	92	4·8	6	4	2	10	8	0	0	0	0	1	2	3	14	10	0	0	0	1	7	20	2	1	2	3	2	13	3	3	1
7a ENGLAND, N.W.																																										
	3	27	1006·1	–	44·8	1·6	9·0	87	5·8	2	2	7	7	12	0	0	0	0	0	5	1	2	8	12	2	0	1	12	14	3	2	4	0	3	13	2	2	1
Cumberland Silloth H	9	27	1006·0	–	45·4	1·6	9·2	88	6·5	0	1	7	10	12	0	0	0	0	0	2	6	15	7	0	0	1	1	13	16	0	3	4	2	2	9	5	4	1
	15	27	1005·7	–	47·6	2·0	9·5	84	6·4	0	3	1	18	8	0	0	0	0	0	1	1	7	9	11	1	0	1	10	17	2	3	4	3	1	8	3	5	1
	21	27	1005·8	–	45·3	1·4	9·2	88	5·3	2	4	6	8	10	0	0	0	0	0	2	2	7	8	8	3	0	0	3	8	17	2	2	6	0	2	13	1	3	1
	3	35	1006·1	–	44·7	1·4	9·1	89	5·3	3	4	3	6	14	0	0	0	0	1	2	6	14	5	2	0	0	0	1	14	14	1	3	2	1	7	12	1	0	3
Lancashire Squires Gate H	9	35	1006·3	–	44·5	1·5	8·9	88	6·4	0	2	4	15	9	0	0	0	0	0	4	2	10	6	6	2	0	0	2	14	14	0	4	0	2	12	4	1	4	3
	15	35	1005·5	–	48·7	2·3	9·8	83	6·7	0	1	3	19	7	0	0	0	0	0	0	4	7	9	6	4	0	0	2	15	11	2	2	1	4	5	10	0	5	1
	21	35	1005·6	–	45·7	1·5	9·2	87	6·2	1	5	2	7	15	0	0	0	0	0	0	3	16	7	1	3	0	0	1	14	13	2	4	0	5	4	11	2	2	0
	3	85	1006·9	–	44·6	1·5	9·0	88	6·0	3	3	2	5	16	1	1	0	0	1	2	3	9	12	2	0	0	0	1	11	17	1	4	0	2	6	14	0	0	3
Speke .. H	9	85	1007·0	–	44·3	1·5	8·9	89	6·4	0	1	6	12	11	0	0	1	1	1	6	5	13	3	0	0	0	0	1	13	13	3	3	0	1	8	9	1	3	2
	15	85	1006·1	–	48·9	2·8	9·4	79	6·4	0	1	5	18	6	0	0	0	0	0	4	3	18	4	1	0	0	0	2	13	12	3	2	1	1	6	10	2	4	1
	21	85	1006·3	–	45·6	1·6	9·2	87	5·2	4	6	2	5	13	0	0	0	0	0	7	5	14	4	0	0	0	0	0	13	15	2	3	2	4	2	14	2	0	1

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
7a ENGLAND, N.W.—*cont.*															
Cheshire Manchester Airport H	3	251	1007·0	–	43·7	1·6	8·7	87	5·6	4	1	5	5	15	0
	9	251	1007·0	–	43·2	1·3	8·6	88	6·4	0	4	3	8	15	0
	15	251	1006·2	–	48·2	2·9	9·2	79	6·1	0	4	5	12	9	0
	21	251	1006·4	–	44·6	1·8	8·8	85	5·2	5	4	3	5	13	0
7b NORTH WALES															
Anglesey Holyhead (Valley) H	3	29	1005·5	–	47·8	1·6	10·1	87	6·1	2	1	6	6	15	0
	9	29	1005·6	−5·5	48·3	2·0	10·0	85	6·7	0	1	4	17	8	0
	15	29	1004·8	–	49·6	2·5	10·1	81	6·7	0	0	7	10	13	0
	21	29	1005·2	–	48·0	1·8	10·1	87	6·3	1	4	3	4	18	0
8a SOUTH WALES															
Cardigan Aberporth H	3	379	1006·4	–	46·4	1·7	9·6	88	6·3	0	4	4	6	16	0
	9	379	1006·6	–	46·8	1·8	9·5	85	6·7	0	2	2	15	11	0
	15	379	1005·7	–	48·8	2·6	9·8	82	6·1	0	3	6	11	10	0
	21	379	1006·2	–	46·7	2·0	9·5	86	6·1	2	3	4	5	16	0
Glamorgan Mumbles Head H	3	123	1007·5	–	48·2	1·4	10·4	89	6·5	1	1	8	1	19	0
	9	123	1007·5	–	48·2	1·7	10·2	87	6·8	0	1	5	9	15	0
	15	123	1006·7	–	49·7	2·4	10·3	83	6·9	0	0	3	13	14	0
	21	123	1007·2	–	48·8	1·8	10·3	87	5·9	1	3	5	7	14	0
Rhoose H	3	225	1008·1	–	45·9	1·3	9·6	90	4·5	2	10	4	2	11	1
	9	225	1008·3	–	45·9	1·2	9·7	91	6·1	0	3	6	12	9	0
	15	225	1007·5	–	49·1	2·3	10·0	83	6·6	0	1	3	18	8	0
	21	225	1008·0	–	46·0	1·4	9·6	90	4·8	4	4	9	2	10	1
8b ENGLAND, S.W.															
Dorset Portland Bill H	3	35	1008·7	–	51·1	1·3	11·8	91	4·5	7	1	8	7	7	0
	9	35	1008·5	–	51·0	1·1	11·8	92	6·3	0	2	6	13	9	0
	15	35	1007·9	–	52·3	2·1	11·8	87	6·6	0	0	4	18	8	0
	21	35	1008·3	–	51·2	1·3	11·9	91	5·7	2	3	5	9	11	0
Devon Hartland Pt. H	3	305	1006·9	–	48·2	1·9	10·0	85	5·7	0	3	10	6	11	0
	9	305	1007·0	–	48·8	2·2	10·0	84	6·6	0	1	4	19	6	0
	15	305	1006·4	–	50·1	2·7	10·0	81	6·6	0	0	4	22	4	0
	21	305	1006·4	–	48·7	2·3	9·9	82	5·4	0	5	7	12	6	0
Plymouth (Mount Batten) H	3	100	1008·4	–	48·5	1·6	10·4	88	5·6	4	2	4	6	14	0
	9	100	1008·8	−4·7	48·2	1·6	10·3	88	6·3	1	2	3	15	9	0
	15	100	1008·1	–	51·1	2·6	10·6	82	6·7	0	2	1	18	9	0
	21	100	1008·6	–	47·8	1·6	10·2	89	5·3	5	2	5	7	11	0
Chivenor H	3	23	1007·8	–	47·0	1·6	9·9	88	5·7	1	4	7	4	14	0
	9	23	1008·0	–	51·5	1·5	10·1	89	6·6	0	0	6	13	11	0
	15	23	1007·2	–	51·5	3·0	10·4	79	6·6	0	1	4	20	5	0
	21	23	1007·8	–	47·6	1·8	9·9	87	5·7	1	3	7	11	8	0
Exeter H	3	125	1008·6	–	44·4	1·0	9·4	92	5·9	3	3	3	7	13	1
	9	125	1008·8	–	45·1	1·2	9·5	91	6·2	0	3	5	13	9	0
	15	125	1007·9	–	50·6	3·1	10·0	79	6·5	0	1	5	16	8	0
	21	125	1008·4	–	45·6	1·2	9·6	90	4·8	4	5	7	4	10	0
Cornwall St. Mary's, Scilly H	3	199	1008·3	–	50·1	2·0	10·7	86	6·3	0	2	7	6	15	0
	9	199	1008·5	−4·6	50·5	2·5	10·3	82	5·8	0	1	12	8	9	0
	15	199	1007·7	–	51·7	3·1	10·3	78	6·1	0	1	10	11	7	1
	21	199	1008·1	–	50·2	2·5	10·2	81	6·0	0	2	10	5	12	1
St. Mawgan H	3	350	1008·1	–	47·5	1·1	10·4	91	6·0	2	4	4	3	17	0
	9	350	1008·5	–	47·9	1·6	10·2	88	6·3	0	2	6	12	10	0
	15	350	1007·6	–	50·4	2·3	10·6	83	6·5	0	2	3	16	9	0
	21	350	1008·2	–	47·3	1·3	10·2	89	5·6	2	3	7	6	12	0
NORTHERN IRELAND															
Londonderry Ballykelly H	3	13	1003·5	–	43·9	1·8	8·5	86	5·2	2	3	10	7	8	0
	9	13	1003·6	–	43·4	1·5	8·5	87	5·2	0	8	6	8	8	0
	15	13	1003·0	–	47·8	2·8	9·0	80	5·7	0	3	9	11	7	0
	21	13	1002·8	–	44·6	1·6	9·0	87	5·7	1	3	8	8	10	0
Antrim Aldergrove H	3	220	1004·6	–	42·6	1·1	8·7	91	5·5	1	6	5	5	13	0
	9	220	1004·7	−5·8	42·1	1·0	8·5	91	5·9	0	3	8	11	6	2
	15	220	1004·1	–	46·6	2·1	9·3	85	6·5	0	2	5	14	9	0
	21	220	1003·8	–	43·8	1·2	9·1	91	6·1	2	3	2	9	14	0
Nutts Corner H	3	356	1004·7	–	42·4	0·8	8·8	93	6·1	2	2	5	7	14	0
	9	356	1004·8	–	41·7	0·8	8·5	93	6·2	0	2	6	13	8	1
	15	356	1004·1	–	46·0	1·7	9·3	86	6·9	0	1	3	13	12	1
	21	356	1003·8	–	43·4	0·9	9·2	93	5·9	2	2	7	7	12	0

VISIBILITY: NUMBER OF OBSERVATIONS										WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force					DIRECTION							
0–44 yd.	45–210 yd.	220–430 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	8 or more	6, 7	4, 5	1 to 3	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
										Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
0	0	0	1	3	1	18	6	1	0	0	2	14	13	1	4	0	3	2	18	1	1	0
0	0	1	0	5	9	14	1	0	0	0	1	12	15	2	1	1	2	5	14	1	3	1
0	0	1	0	3	3	17	6	0	0	0	1	12	17	0	1	1	3	2	17	2	1	3
0	0	0	4	2	3	16	5	0	0	1	1	11	15	2	1	1	2	3	19	0	1	1
0	0	0	0	0	2	9	11	5	3	0	5	17	6	2	4	0	2	2	13	3	2	2
0	0	0	0	0	1	6	7	10	6	0	5	15	7	3	2	0	1	4	9	5	4	2
0	0	0	0	0	2	5	7	9	7	0	5	17	7	1	3	1	2	2	9	5	6	1
0	0	0	0	0	2	7	8	8	5	2	3	15	8	2	4	0	5	0	11	5	3	0
0	0	0	0	2	1	10	9	4	4	0	2	15	13	0	6	0	1	2	16	1	1	3
0	0	0	0	0	1	3	11	5	10	0	3	15	12	0	5	0	1	3	13	2	5	1
0	0	0	0	0	0	5	10	6	9	1	2	14	13	0	4	0	0	4	13	2	7	0
0	0	0	0	0	0	12	8	7	3	0	3	15	10	2	1	0	1	1	16	2	3	4
0	0	0	0	0	0	12	14	4	0	2	4	13	10	1	2	1	3	2	8	3	4	6
0	0	0	0	0	0	11	16	3	0	1	2	10	17	0	4	0	5	2	6	4	3	6
0	0	0	0	0	0	14	7	7	1	1	3	13	13	0	4	0	2	5	5	6	5	3
0	0	0	0	0	0	11	13	3	3	0	8	10	11	1	2	2	3	2	9	4	5	2
0	1	0	0	0	1	5	11	12	0	0	1	7	22	0	3	3	3	3	6	3	5	4
0	0	0	0	1	3	6	10	7	3	0	1	7	20	2	0	4	4	2	4	3	6	4
0	0	0	0	1	2	8	5	7	7	1	0	7	21	1	0	1	6	2	5	3	11	1
1	0	0	0	1	2	8	5	12	1	0	1	9	17	3	3	2	2	1	7	7	4	1
0	0	0	0	0	0	0	5	11	14	2	7	10	10	1	2	1	1	1	8	3	8	5
0	0	0	0	0	0	0	4	14	12	2	6	7	15	0	4	2	1	1	8	3	8	3
0	0	0	0	0	0	3	6	9	12	1	7	11	11	0	4	0	3	2	5	3	11	2
0	0	0	0	0	0	1	5	7	17	2	3	14	11	0	5	0	3	1	8	3	8	2
0	0	0	0	0	0	3	13	9	5	1	4	15	10	0	2	1	1	3	10	4	4	5
0	0	0	0	0	0	6	11	11	2	1	2	14	13	0	3	0	2	2	8	3	9	3
0	0	0	0	0	0	4	14	9	3	2	2	12	14	0	2	1	3	2	4	5	9	4
0	0	0	0	0	0	2	11	11	6	2	6	12	10	0	1	0	3	2	8	6	6	4
0	0	0	0	0	0	4	11	1	0	1	6	9	13	1	5	4	2	0	6	5	4	3
0	0	0	0	0	0	5	12	3	0	1	3	13	13	0	3	2	1	3	8	5	4	4
0	0	0	1	2	8	9	9	1	0	1	4	7	16	2	2	6	3	0	7	2	7	1
0	0	0	0	0	0	5	11	12	2	0	3	4	21	2	3	0	7	5	4	1	0	4
0	0	0	0	0	0	4	7	12	7	2	0	13	13	2	2	0	3	2	10	2	6	3
0	0	0	0	0	0	6	11	12	1	0	1	10	17	2	1	0	6	7	7	1	2	4
0	1	0	0	3	4	7	10	5	0	0	1	8	11	10	2	1	0	0	9	4	2	2
0	0	0	0	2	3	9	8	6	2	0	1	9	12	8	2	1	2	2	7	4	2	2
0	0	0	0	2	3	8	8	5	8	0	2	14	14	0	1	1	1	2	11	3	6	5
0	0	0	0	0	1	8	9	8	2	0	1	10	12	7	1	3	1	2	10	2	1	3
0	0	0	0	0	2	1	11	10	6	0	6	10	12	2	3	0	2	1	4	6	6	6
0	0	0	0	1	1	5	7	7	9	1	3	16	8	2	3	0	0	4	6	5	3	7
0	0	0	0	0	0	7	9	7	11	2	1	17	7	3	4	0	0	2	5	5	7	4
0	0	0	0	0	0	4	9	6	10	0	3	14	13	0	4	0	1	3	5	10	4	3
0	0	0	0	1	1	13	6	10	0	0	4	17	9	0	3	1	2	3	13	1	4	3
0	0	0	0	2	6	11	7	4	1	2	1	15	10	2	3	0	2	2	7	6	5	3
0	0	0	0	0	2	8	10	10	0	0	3	13	14	0	2	0	4	2	14	2	3	3
0	0	0	0	1	0	3	7	17	3	2	0	2	14	0	2	0	5	3	7	5	5	0
0	0	0	0	2	1	3	7	16	4	2	0	5	13	7	2	0	5	3	7	5	4	0
0	0	0	0	1	0	6	10	7	3	2	1	13	11	1	1	1	2	2	9	8	2	4
0	0	0	0	0	2	5	11	11	1	0	2	9	17	2	1	1	1	6	6	8	3	2
0	0	0	0	1	1	7	18	3	0	0	4	10	14	2	3	0	2	4	9	7	2	1
0	0	0	0	2	0	3	9	10	3	0	4	8	16	2	2	1	2	3	11	5	4	0
0	0	0	0	1	0	5	10	9	4	0	2	17	11	0	1	3	3	0	9	6	5	3
0	0	0	0	0	2	4	5	15	4	0	1	2	9	15	3	3	0	1	2	14	5	0
0	0	0	1	0	2	8	13	6	0	0	4	4	18	4	1	1	1	2	11	5	5	0
0	1	0	0	0	4	5	7	7	6	0	2	10	15	3	2	0	2	3	12	4	4	0
0	1	0	0	1	1	2	6	13	6	0	3	11	14	2	2	2	2	0	11	4	3	4
0	0	0	0	0	2	11	8	9	0	1	1	7	21	0	1	2	2	4	13	7	0	1

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, NOVEMBER, 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	119	1	4	29	37·7	30	65	1	3	29	24·7	30	122	1	6	29	39·3	30
Eskdalemuir	155	3	9	23	60·0	30	94	1	9	23	42·0	30	142	3	11	23	58·1	30
Cambridge	197	6	29	3	88·4	30	88	1	25	3	51·1	30	-	-	-	-	-	-
Kingsway	181	10	17	3	77·2	30	96	1	16	3	55·8	30	187	1	28	25,29	79·6	30
Kew	176	10	12	25	74·0	30	86	5	12	25	48·0	30	168	10	12	12	73·0	30
Aberporth	213	11	23	23	83·7	30	107	1	23	23	61·1	30	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN NOVEMBER, 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	1	26	3	0	0	0	0	0	0	0	0	17	13	0	0
Stornoway	0	0	17	13	0	0	0	0	0	0	0	1	11	17	1	0
Craibstone	0	0	23	7	0	0	0	0	0	0	0	3	18	9	0	0
Rothesay	0	1	16	13	0	0	0	0	0	0	0	0	13	17	0	0
Renfrew	0	1	19	10	0	0	0	0	0	0	0	3	16	10	1	0
Eskdalemuir	0	6	18	6	0	0	0	0	0	0	1	6	15	8	0	0
Douglas	0	0	15	15	0	0	0	0	0	0	0	0	10	19	1	0
Cockle Park	0	0	21	9	0	0	0	0	0	0	0	6	15	9	0	0
Gorleston	0	0	15	15	0	0	0	0	0	0	0	2	10	16	2	0
Cambridge	0	0	16	13	1	0	0	0	0	0	2	6	12	10	0	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	0	21	9	0	0	0	0	0	0	0	2	13	13	2	0
Kew Observatory	0	1	15	14	0	0	0	0	0	0	0	6	7	16	1	0
Hastings	0	0	8	21	1	0	0	0	0	0	0	0	13	12	5	0
Southampton	0	0	6	20	4	0	0	0	0	0	0	6	11	13	0	0
Stonyhurst	0	3	14	13	0	0	0	0	0	0	0	3	17	9	1	0
Bidston Observatory	0	1	18	11	0	0	0	0	0	0	0	1	13	14	2	0
Holyhead (Valley)	0	0	13	17	0	0	0	0	0	0	0	1	6	20	3	0
Falmouth	0	0	5	23	2	0	0	0	0	0	0	0	10	14	6	0
Aldergrove	0	4	16	10	0	0	0	0	0	0	0	6	13	9	2	0
Armagh	0	0	15	15	0	0	0	0	0	0	0	3	20	6	1	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER NUMBER OF DAYS									BRIGHT SUNSHINE	
				Means of				Highest Maximum and Lowest Minimum								Most in a day		Precip'n										
		Max. Min. Rain		A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Maximum	Date	Minimum	Date	1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	·01in. (0·2mm.) or more	·04in. (1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
1958																													
March	Exeter	21-99	106																		1								
1959																													
January	Glasgow, Spr.Pk.	999	351											1·41				13											
February	Penicuik	999	620																					3					
March	Rothesay	999	150											4·05	121	·63	14	19	17										
April	Aberdeen	999	170											2·46	111			19											
May	Princetown	999	1359											1·93															
June	Torquay	999	26											1·18	67														
July	Bognor Regis	999	24																										149

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M.O. 652

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary

3 8078 0006 6327 0

Volume 76 Number 12 Published by Her Majesty's Stationery Office

December 1959—*Mild, wet and stormy*

An almost unbroken sequence of cyclonic disturbances moved over or near the British Isles during December, as in the last three weeks of November. Thus by the end of December our weather had been so conditioned for more than seven weeks. Much colder weather existed not far away on the Continent during much of the first half of December but did not succeed in becoming established over this country.

Pressure was almost uniform over the British Isles on the 1st with fog over much of England, but this was dispersed early next morning as the trough of a deep depression near Iceland moved steadily eastward bringing rain to most districts. Meanwhile an upper cold trough extended from Iceland south-eastwards across the British Isles to the Mediterranean and a blocking high to the north of Russia intensified as it moved south-west. Although the main depression moved westward and decreased in intensity on the 3rd and 4th a secondary formed over southern England on the 3rd and weather continued unsettled with rain or showers in most districts for the next day or two with many stations in east and south-east England reporting more than 1 in. of rain in 24 hr. on the 3rd, 4th and 5th. Fog, however, returned to the Forth-Clyde Valley late on the 3rd where it persisted for about 36 hours.

A depression deepened rapidly in mid-Atlantic on the 5th and by noon the following day it was centred to the west of the Bay of Biscay in association with an intense upper low at 500 mb. The 6th in many areas was the wettest day of a very wet month, with widespread and locally heavy rain particularly in southern Britain where there were falls of 1 in. or more in 24 hr. at a considerable number of places and of 2 in. or more at Princetown and Tredegar. Widespread rain and gales continued in many districts during the next two days as the depression moved northwards over the Irish Sea but on the 9th the gales subsided as the depression moved north-westward and filled. At the same time another depression in mid-Atlantic deepened rapidly as it approached the Bay of Biscay where it remained quasi-stationary for about three days. Winds over the British Isles backed from south-east to east and there was a marked fall in temperature with some sleet or snow on high ground in the north.

By the 12th, the Biscay depression had filled and a ridge of high pressure extended north-eastward across the country from the Azores to Scandinavia. That evening fog formed extensively over central and southern England. The fog was short-lived however as on the 13th an intense depression developed rapidly south of Iceland and deepened still further as it moved north-east. Weather became milder with the increasing south-westerly winds, afternoon temperatures exceeding 50°F. over much of the country. Rain was widespread and wind reached gale force over a wide area; in north-west Scotland gales were severe with gusts of 70–80 kt. The depression moved north-east towards Bear Island, and wind fell light over much of the country on the 15th allowing fog to re-form in many districts.

An active depression deepened as it approached north-west Scotland on the 17th bringing a return of widespread rain and gales. Three more major depressions approached from the Atlantic subsequently becoming successively situated off western Scotland on the 23rd, 26th and 29th. The first two slowed down and filled in the region of the British Isles or the North Sea while the third moved north-east towards Bear Island as it decreased in intensity. Each brought widespread rain or showers to most districts with strong to gale force winds; over 2 in. of rain fell in parts of Cumberland and Yorkshire on the 26th while showers were heavy and squally at times with local hail and thunderstorms.

Pressure and Wind. Mean pressure was everywhere considerably below the average, the deficit at 9 h. ranging from 18.1 mb. at Aldergrove to 12.3 mb. at Lerwick. It was a stormy month, especially during the second half, with a number of unusually deep depressions giving frequent and widespread gales. Wind was mainly westerly until the 5th becoming east or south-east until the 11th after which south-westerly winds predominated for the remainder of the month. In Scotland gales occurred widely on 6th–8th, 13th, 14th, 17th–19th, 29th and 30th, wind reaching gale force on all but 9 days. In England and Wales wind reached gale force on 6th–11th, 15th–21st, 28th, 29th and 31st and gales were widespread on the 6th, 7th, 20th and 25th; they were particularly frequent in the English Channel occurring on 19, 15 and 17 days at Scilly, Portland Bill and Alderney respectively. Gusts were recorded of 83 kt. at Stornoway on the 14th and 85 kt. at Dounreay on the 30th.

Temperature. Mean temperature exceeded the 1921–50 average by 2.5°F. in England and Wales, 0.9°F. in Scotland and 0.4°F. in Northern Ireland; it was more than 3°F. above the average in south-east England. The warmest days in many places were 16th–20th and the 31st; the coldest were during the first week especially on the 2nd when air temperature fell below 25°F. locally in southern England. During the first week ground frost was fairly widespread, temperature on the grass falling to 15°F. at Hurn on the 2nd and to 10°F. at Glenlivet on the 4th.

Extreme temperatures included:—(England and Wales) 59°F. at Shaftesbury on the 20th, 22°F. at Alwen on the 2nd; (Scotland) 57°F. at Achnashellach on the 13th, 19°F. at several places on the 4th and 22nd; (Northern Ireland) 54°F. at Ballykelly on the 31st and at Loughgall on the 29th, 25°F. at Loughgall on the 5th.

Precipitation. The general precipitation expressed as a percentage of the 1916–50 average was 181 over England and Wales, where it was the wettest December since 1934, 141 over Scotland and 132 over Northern Ireland. Rainfall exceeded the average everywhere except in the Loch Ness area, the Buchan district of Aberdeenshire and the lower Foyle Valley in Northern Ireland. More than twice the average occurred over much of southern England, the central Pennines and the Firth of Tay. At Leuchars it was the wettest December since records began in 1921 and at Ross-on-Wye it was the second wettest December in a hundred years of records (the wettest being December 1929).

Thunder was heard in Scotland on 7 days and in England and Wales on the 3rd–5th, 7th, 8th, 15th, 17th and 20th–28th (16 days); it was widespread on the 26th.

Snow and sleet occurred on 21 days in Scotland and 11 days (4th, 5th, 9th, 10th, 17th–21st, 23rd and 25th) in England and Wales. Slight snow fell at St. Mawgan and at Alderney in the Channel Islands on the 23rd.

Sunshine. The general sunshine expressed as a percentage of the 1921–50 average was 75 in England and Wales, 67 in Scotland and 100 in Northern Ireland. In south-east England the percentage of average ranged from 30 at South Farnborough to 146 at Bunhill Row (London).

Fog. Fog occurred on 17 days in Scotland and on the 1st–3rd, 5th–7th, 9th, 11th–17th, 19th–25th, 29th and 31st (23 days) in England and Wales; it persisted throughout the day in many places on the 1st and 15th.

Miscellaneous Phenomena. In Scotland the aurora was observed on 18 nights; it was seen as far south as Shawbury early on the 5th.

Meteorological Office, Air Ministry: Sir Graham Sutton, C.B.E., D.Sc., F.R.S., Director General.

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TABLE I—DISTRICT VALUES— DECEMBER 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	57	19	+0·6	+0·9	+0·7	—	—	120	+1	76
Eastern										
1 SCOTLAND, E.	55	19	+0·6	+0·3	+0·5	—	—	139	+5	63
2 ENGLAND, N.E.	55	27	+2·2	+1·7	+2·0	+1·9	+1·6	140	+7	65
3 ENGLAND, E.	58	24	+3·2	+2·8	+3·0	+1·9	+1·2	152	+6	64
4 MIDLAND COUNTIES	58	25	+2·8	+2·6	+2·6	+1·8	+1·6	206	+8	89
5 ENGLAND, S.E.	57	23	+3·6	+2·9	+3·2	+2·1	+1·2	196	+8	71
Western										
6 SCOTLAND, W.	57	22	+1·4	+1·6	+1·5	+1·6	+3·0	156	+5	62
7 ENGLAND, N.W. (*and N. Wales*)	57	22	+2·1	+2·3	+2·1	+1·6	+1·7	161	+6	83
8 ENGLAND, S.W. (*and S. Wales*)	59	26	+2·3	+2·3	+2·3	+1·7	+0·8	196	+10	79
NORTHERN IRELAND	54	25	+1·1	−0·2	+0·4	—	—	—	+4	100

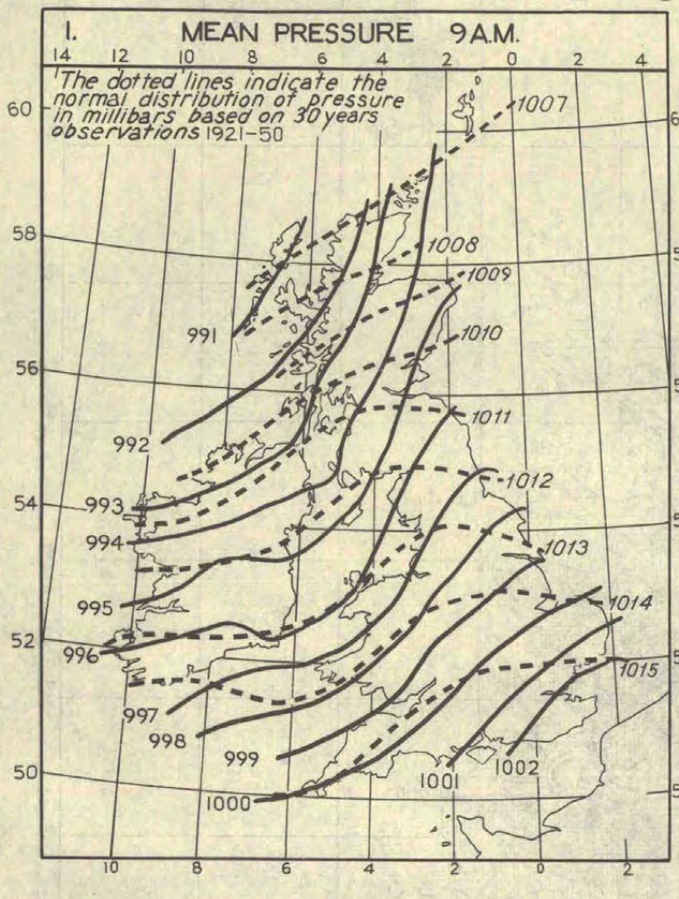
TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— DECEMBER 1959 [1914]

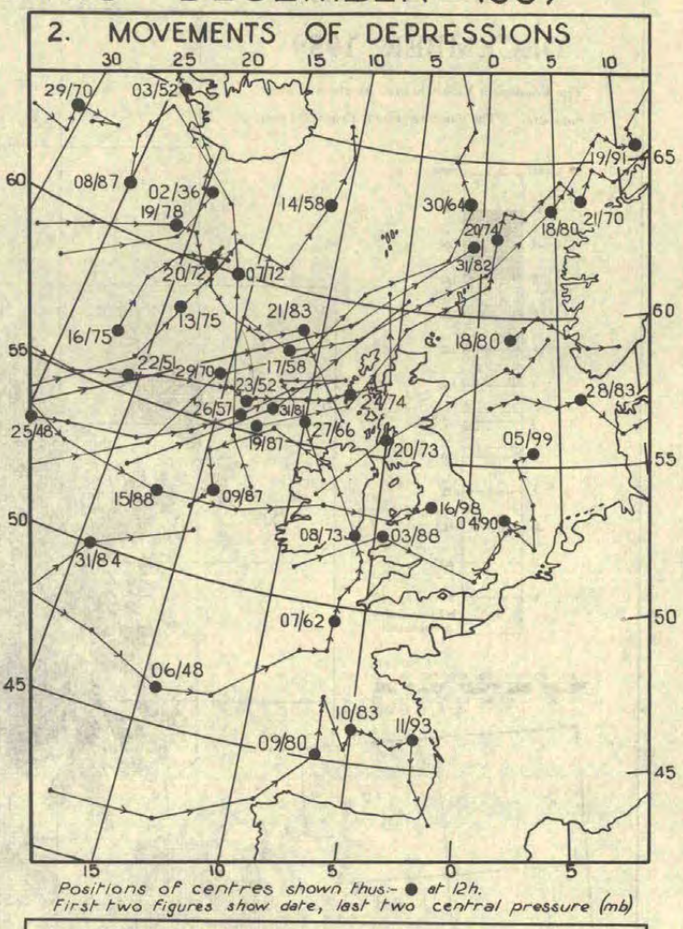
DISTRICT, COUNTY AND PLACE		Height of Vane			Distribution of Mean Hourly Values of Wind Speed							Mean Hourly Wind Speed	Highest Velocities						
		Above Mean Sea Level	Above Ground	Effective Height	34 knots or more		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record		Highest 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	** 2,6-9,14	82	19	208	337	100	17	0	19·9	280	46	30 10	68	30	0950
Orkney	Grimsetter	135	51	33	// 2,6-9,18	64	15	112	326	187	55	0	15·9	270	44	30 05	70	30	0545
Caithness	Dounreay	112	41	33	// 6-9,14,18	58	17	118	300	206	0	62	16·7	120	49	7 09	85	30	0155
Ross & Cromarty	Stornoway (Coastguard)	120	40	36	ØØ 2,7-9,13	98	24	187	294	93	72	0	19·3	170	55	14 06	83	14	0535
Inverness	Benbecula	69	51	35	S 2,7,13,14	45	15	156	296	217	30	0	16·5	260	49	29 23	79	29	2355
1 Aberdeen	Dyce	225	40	40	-	0	9	22	207	247	268	0	7·6	130	26	7 01	46	30	0115
Angus	Bell Rock Lighthouse	128	131	124	SS 2,5,9	102	20	190	293	119	40	0	20·2	080	58	7 10	71	7	0905
Perth	Rannoch	1006	56	57	29,30	10	12	80	255	226	173	0	10·7	290	38	30 01	63	30	0055
Fife	Leuchars	75	42	40	6-8	29	12	102	207	223	183	0	11·6	130	39	7 08	53	7	0745
Midlothian	Edinburgh	485	39	23	17	2	11	57	231	314	140	0	10·2	210	37	17 19	60	17	1810
6a Argyll	Tiree	89	60	47	*** 2,6-9,14	99	24	206	259	98	82	0	19·3	140	52	29 14	72	29	1350
Bute	Millport	50	34	34	// 7,8,17	37	20	148	335	138	86	0	16·0	250	40	29 23	64	29	2325
Renfrew	Paisley	188	81	31	-	0	8	27	189	338	190	0	8·1	270	29	29 23	63	29	2235
	Renfrew	71	41	39	7	1	12	78	223	282	160	0	10·0	080	36	7 14	61	30	0145
Ayr	Prestwick Airport	35	33	33	-	0	10	92	348	265	39	0	12·7	270	32	30 02	54	30	0110
Dumfries	Eskdalemuir	825	50	35	-	0	12	97	202	235	210	0	9·7	300	32	18 12	57	18	0920
ENGLAND and WALES																			
6b Isle of Man	Point of Ayre	70	40	35	/ 6-8,20	21	18	157	309	229	28	0	15·5	320	36	20 17	54	8	1240
2 Durham	Durham	389	53	33	-	0	9	71	264	323	86	0	11·0	220	33	31 02	55	31	0210
	South Shields	73	57	44	6,7	18	7	72	193	381	80	0	11·3	120	39	7 07	51	6	2255
Yorks.,E.R.	Spurn Head	64	44	34															
Lincoln	Cranwell	288	47	47	18,20	2	12	81	379	174	101	7	12·7	190	34	20 18	51	18	1225
3 Norfolk	Gorleston	52	42	34	*														
Suffolk	Mildenhall	98	83	60	-	0	7	30	417	246	51	0	12·0	200	28	20 12	47	20	1805
	Felixstowe	85	75	65	-	0	13	110	408	174	52	0	14·2	170	31	22 19	52	4	0705
Bedford	Dunstable	567	55	33	-	0	6	19	388	292	45	0	11·2	270	26	18 14	48	20	1340
	Cardington	285	150	135	20	2	14	104	421	140	77	0	14·0	200	35	20 11	59	20	1105
Herts.	Stevenage	564	111	65	-	0	11	66	424	213	41	0	13·5	200	28	20 11	55	20	1225
Essex	Coryton	66	57	48	-	0	2	8	394	317	25	0	11·0	-	24	20 12	47	20	1315
	Shoeburyness	115	104	89	7,20,22,25	12	22	192	444	93	3	0	17·6	190	37	20 11	50	20	1125
4 Yorks.,W.R.	Sheffield	533	83	35	/														
Leicester	Leicester	266	66	45															
Warwick	Birmingham	643	118	73	-	0	2	5	364	360	15	0	10·9	220	24	20 18	50	20	1700
Stafford	Keele	706	50	40	-	0	2	5	264	315	160	0	8·5	210	24	27 04	49	27	0345
Gloucester	Avonmouth	92	61	33	20	2	16	99	383	201	59	0	13·7	200	35	20 16	56	20	1720
5 London	Kingsway	231	160	40	-	0	1	1	215	345	183	0	7·5	240	22	20 13	45	20	1135
Middlesex	Hampton	139	101	100	-	0	4	12	382	287	63	0	10·9	230	27	20 12	66	20	1230
Surrey	Kew Observatory	92	75	50	-	0	2	5	363	315	61	0	10·3	210	23	20 11	50	20	1230
Kent	Isle of Grain	48	40	33	-	0	6	19	333	188	172	32	9·8	240	26	27 07	46	20	1210
	Dungeness	70	50	33	*														
	Dover	68	38	62	-	0	17	125	404	188	27	0	15·1	180	32	22 18	60	26	1730
Sussex	Thorney Island	75	65	42	-	0	9	33	367	222	122	0	11·0	190	25	22 15	59	26	2315
Hants.	Southampton (Eastleigh)	95	60	41	-	0	7	27	377	245	95	0	11·1	200	26	20 09	45	26	1515
	S. Farnborough	318	69	35	-	0	4	11	315	348	70	0	10·0	230	26	20 11	57	20	1045
Berks.	Abingdon	295	40	40	-	0	2	5	306	287	146	0	9·4	250	24	20 14	52	20	1315
Wiltshire	Larkhill	491	51	36	-	0	9	33	376	290	45	0	11·6	180	25	20 09	47	20	0935
	Porton	406	44	44	-	0	11	59	357	263	65	0	12·3	200	29	20 09	48	20	0900
7a Cumberland	Sellafield	83	39	35	-	0	13	80	358	230	76	0	12·4	120	28	8 19	50	8	0920
Westmorland	Moor House	1960	50	45	7,27,29 - 31	21	23	193	352	77	42	59	17·4	-	38	30 03	(53	30	0140)
Lancashire	Southport	59	41	33	20,26,27,30	12	12	84	258	280	110	0	11·6	280	47	20 18	67	20	1700
	Speke	180	100	65	20,26,27	4	18	133	343	184	80	0	14·0	230	39	20 16	54	20	1535
Cheshire	Bidston Observatory	262	64	39	20	2	10	66	266	322	48	40	-	270	36	20 17	65	20	1630
	Manchester Airport	318	70	30	-	0	15	81	416	230	17	0	13·8	100	30	7 12	52	20	1600
7b Anglesey	Holyhead (Valley)	76	50	40	17,20,26,27	30	24	239	320	121	34	0	18·4	240	47	20 14	63	27	0215
8a Cardigan	Aberporth	483	41	41	18,20,28	13	22	236	348	137	10	0	17·8	270	41	20 16	65	20	1500
Pembroke	Kete	249	49	37															
	Milford Haven	246	50	35	18,20	7	21	150	336	151	67	33	15·1	290	35	20 16	62	20	1435
Glamorgan	Port Talbot	91	40	35	-	0	15	141	355	229	19	0	14·6	-	33	8 02	60	20	1135
8b Devon	Plymouth	191	88	65	/ 6,7,16,20	10	23	203	258	186	87	0	15·0	-	36	26 24	70	26	2320
Cornwall	St. Mary's, Scilly	230	65	57	Ø 3,7,8,17	92	25	275	290	67	20	0	21·5	290	43	27 24	68	26	2200
	The Lizard	315	75	60	/// 6-8,15-18	104	29	295	237	69	39	0	22·2	280	45	27 24	72	22	1655
NORTHERN IRELAND																			
Londonderry	Ballykelly	52	50	35	-	0	13	58	277	267	142	0	10·5	160	30	29 12	55	29	2105
Antrim	Aldergrove	281	65	55	-	0	15	108	360	245	31	0	13·4	230	31	17 11	49	29	1220
	Nutts Corner	344	31	31	-	-	-	-	-	-	-	-	-	170	36	29 12	50	29	1155
CHANNEL ISLES																			
	Jersey Airport	359	86	50	// 3,17,18,20	56	24	261	343	63	21	0	20·2	250	55	26 04	72	26	0335

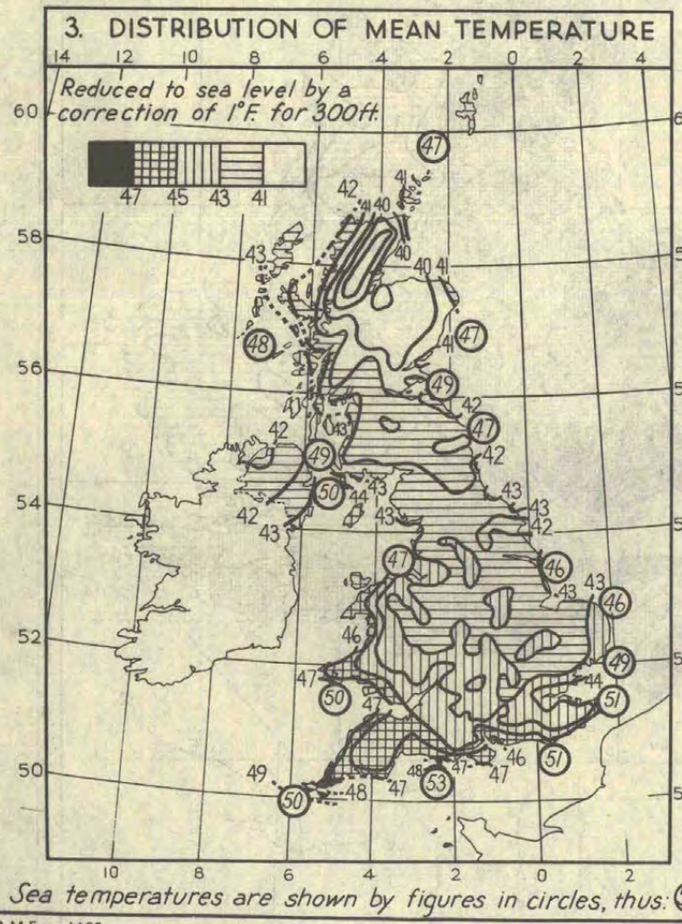
* Defective record
/ Record ceased temporarily
/ Also on 22nd, 26th
Ø Also on 18th, 20th, 22nd, 23rd, 25th-28th
// Also on 22nd-29th
/ Also on 29th, 30th

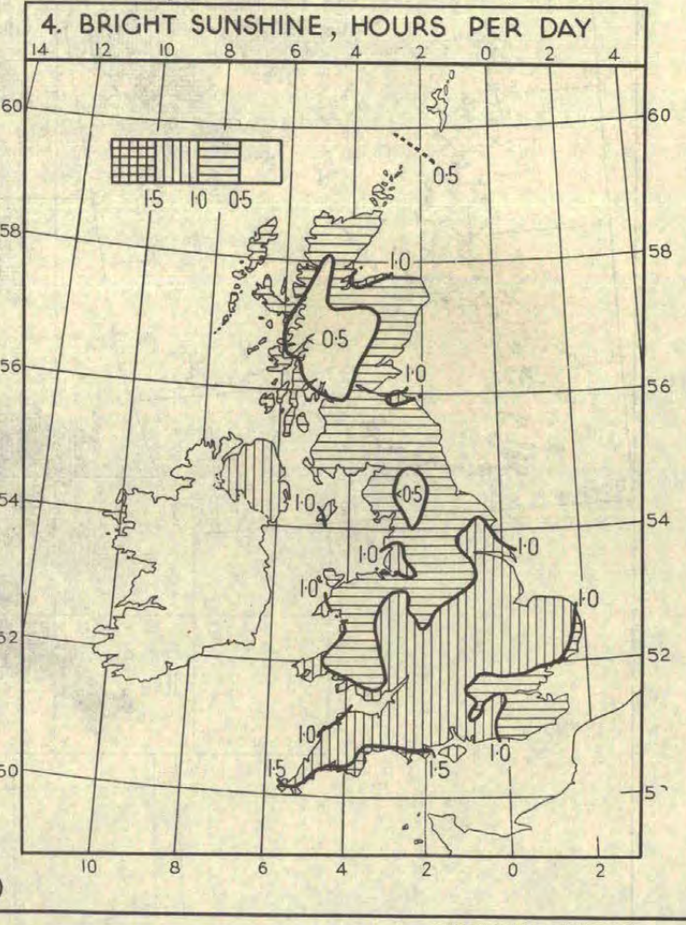
ØØ Also on 14th, 16th-19th, 29th-31st
S Also on 16th, 18th, 29th, 30th
SS Also on 17th-20th, 29th-31st
*** Also on 16th-19th, 28th-31st
/// Also on 20th, 22nd-28th.

MONTHLY WEATHER CHARTS DECEMBER 1959









A.M. Form 1483

C.B.H. 26456-WL 44536-Dd.BK. 2328-125-9/55

RAINFALL

DECEMBER 1959

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

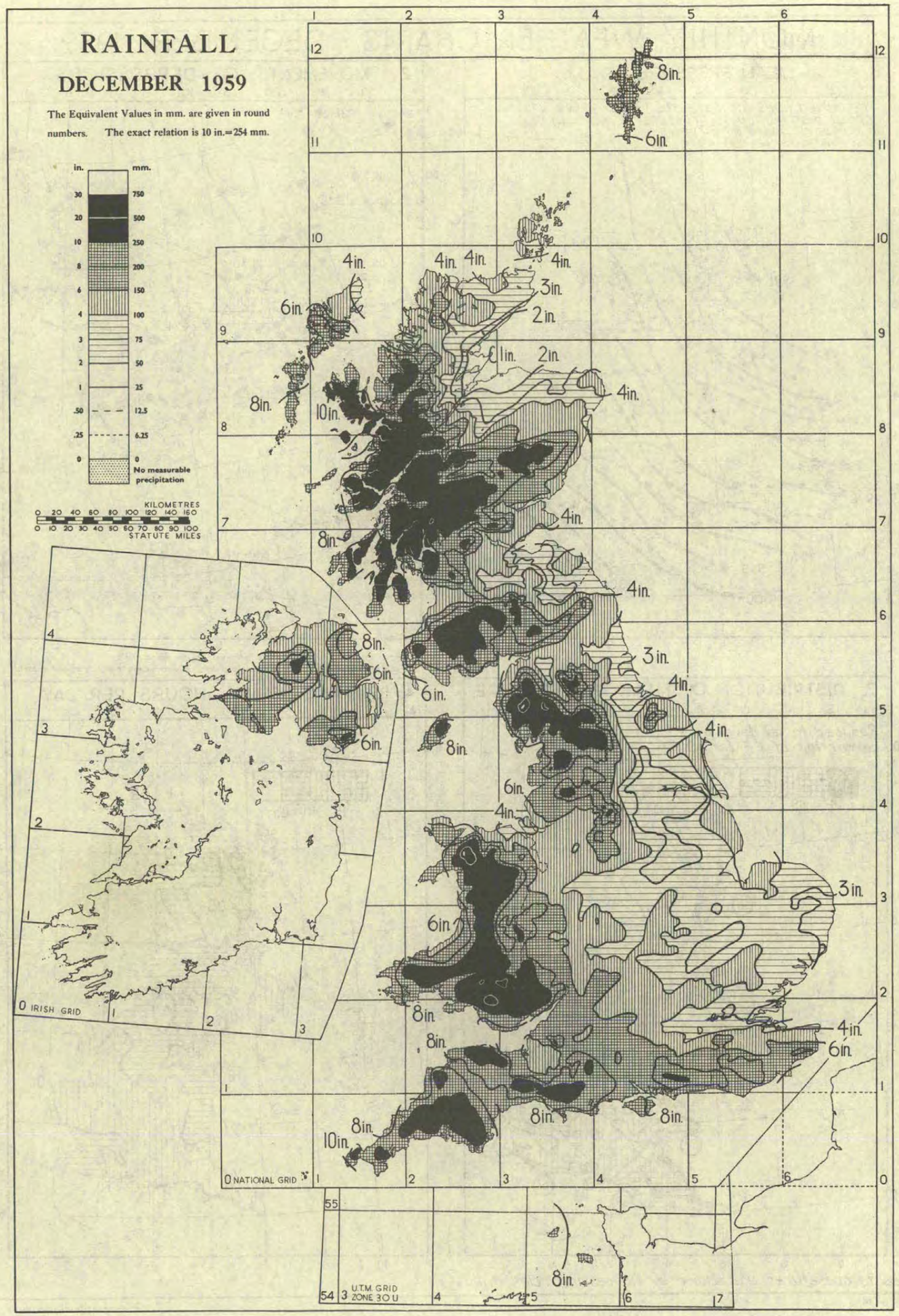


TABLE III —SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
0 SCOTLAND, N.																												
Zetland	Lerwick Obs'y. ¶§	21–9 9	269	43·6	38·7	41·1	+1·3	51	31	32	19,29	–	–	7·26	164	·84	26	29	22	6	0	12	0	0	2	3	12	0·31	76
	Baltasound ...	9 9 9	78	44·7	37·4	41·1	–	50	31	31	29	42·7	–	8·13	161	·89	26	29	24	6	0	0	0	0	2	–	9	0·23	–
Orkney	Sule Skerry ...	9 9 9	43	46·2	41·8	44·0	–	52	31	37	19	–	–	5·19	–	·71	29	27	22	2	0	2	0	0	0	1	6	–	–
	Grimsetter ...	21–9 9	84	44·1	38·0	41·1	–	50	31	32	19	–	–	4·70	104	·55	29	27	23	10	0	8	0	0	1	6	9	0·74	–
Caithness	Wick ... ¶§	21–9 9	119	44·5	38·3	41·4	+0·9	51	31	29	22	–	–	3·14	106	·43	29	24	19	0	0	5	0	0	5	6	4	0·63	60
Sutherland	Cape Wrath ...	21–9 9	367	44·2	38·8	41·5	–	52	31	36	3,19,22	–	–	4·74	97	·84	15	20	16	3	0	0	0	0	0	4	3	–	–
	Lairg (Achany) ...	9 9 9	240	42·3	30·7	36·5	–	55	31	20	22	37·6	43·3	3·49	–	·78	29	24	18	2	0	2	0	5	20	25	0	–	–
	Crask	9 9 9	740	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Strathy	9 9 9	120	42·9	33·4	38·1	–	53	31	26	5,22	–	–	3·95	–	·52	29	24	21	2	0	0	0	0	11	–	0	0·94	– S
Ross & Cromarty	Stornoway ¶§	21–9 9	11	46·0	38·6	42·3	+0·6	54	31	29	5	–	–	5·35	132	·81	19	22	19	0	0	5	0	0	7	10	9	0·92	118
	Achnashellach ...	9 9 9	220	45·2	33·2	39·2	+0·1	57	13	25	5	–	–	9·41	109	1·27	30	25	19	4	0	4	0	0	16	–	2	–	–
	Kinlochewe ...	9 9 9	76	44·9	34·9	39·9	–	54	17	28	5,22	–	–	10·19	–	1·74	30	22	20	1	0	0	0	0	9	22	0	0·54	– S
	Garve (Inchbae)	9 9 9	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Fortrose ... ¶§	9 9 9	15	44·5	37·4	40·9	0·0	53	31	31	23	–	–	1·26	62	·32	17	13	7	1	0	0	0	1	2	–	4	0·83	75
	Tarbatness ...	21–9 9	60	41·3	37·5	39·4	–	45	6,14	29	22	–	–	0·72	–	·20	29	18	4	0	0	0	0	0	1	2	1	–	–
Inverness	Benbecula ...	21–9 9	19	46·4	39·3	42·9	–	51	30	32	19	–	–	6·65	144	·84	29	27	24	1	0	9	0	0	1	8	9	0·73	–
	Isle of Rhum ...	9 9 9	15	47·6	37·9	42·7	–	52	13,29,31	31	5,18,19	43·1	48·2	18·10	–	1·87	13	25	24	3	0	8	1	0	3	13	6	–	–
	Duntulm ...	9 9 9	294	45·7	37·3	41·5	–	50	6,13,30	30	5	–	–	8·55	153	1·36	19	24	21	0	0	4	0	0	1	7	8	0·83	– S
	Onich ... §	9 9 9	48	46·1	36·7	41·4	–	54	31	26	5	–	–	11·71	134	1·17	14	28	28	4	0	3	0	0	5	13	0	0·36	52 S
	Fort William ¶	9 9 9	34	46·2	36·5	41·3	+0·6	55	31	25	5	41·4	45·8	11·99	138	1·41	29	29	27	3	0	3	0	1	5	16	3	0·19	–
	Fort Augustus ...	9 9 9	70	45·2	35·3	40·3	+1·3	53	31	26	5	–	–	6·49	–	·84	29	27	23	1	0	0	0	1	7	–	2	0·29	– S
	Cannich	9 9 9	350	44·0	29·3	36·7	–	51	31	19	5	–	–	5·80	–	1·30	17	16	15	2	0	0	0	0	26	27	2	–	–
	Dalwhinnie ...	18–9 9	1176	39·1	32·7	35·9	–	48	13	20	4	–	–	9·17	169	2·01	6	26	21	2	1	0	0	0	12	16	0	0·20	– S
	Inverness ...	9 9 9	13	45·0	34·2	39·6	–	54	31	28	22,23	–	–	1·72	–	·67	17	10	9	0	0	0	0	1	11	24	0	0·80	–
	Kincraig	9 9 9	780	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenmore Lodge	9 9 9	1120	41·4	31·1	36·3	–	50	13	22	25	–	–	5·25	–	·96	6	23	15	7	2	1	0	0	18	24	0	0·43	– S
1 SCOTLAND, E.																												
Nairn	Nairn ... ¶§	9 9 9	20	44·5	32·5	38·5	-1·1	54	31	24	22	–	–	1·21	64	·35	31	7	7	0	0	0	0	1	17	–	1	0·98	87 S
Moray	Grantown-on-Spey	9 9 9	720	42·5	29·2	35·9	–	51	13,31	19	22	–	–	2·29	–	·50	31	24	13	–	2	–	2	2	22	23	–	–	–
	Forres	9 9 9	155	43·3	34·0	38·7	–	52	13,30	26	22,23	38·5	43·8	1·39	79	·40	31	16	11	1	0	0	0	0	10	21	2	1·15	–
	Kinloss ...	21–9 9	15	44·1	34·1	39·1	–	55	13,31	21	22	–	–	1·25	–	·33	31	16	11	0	0	0	0	0	19	21	3	1·35	–
	Findhorn ...	21 21 9	20	43·9	35·0	39·5	–	53	31	27	22	–	–	1·30	–	·30	31	18	9	1	–	0	0	0	7	20	3	–	–
	Elgin	9 9 9	92	44·9	34·5	39·7	–	55	31	28	22	–	–	1·60	–	·33	31	21	12	0	0	0	0	–	5	14	1	1·19	–
	Gordon Castle ...	9 9 9	104	44·7	33·6	39·1	-0·3	55	31	29	1,22	–	–	2·06	92	·45	31	20	10	–	0	–	0	–	13	–	2	0·88	81 S
Banff	Glenlivet	9 9 9	1085	40·1	31·2	35·7	–	50	31	19	4	39·1	–	4·93	167	1·18	6	25	17	8	1	0	0	1	15	21	5	1·00	– S
	Banff	9 9 9	80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aberdeen	Braemar	9 9 9	1113	40·2	30·9	35·5	0·0	49	31	21	4	–	–	6·18	164	1·61	6	27	23	–	1	–	–	0	20	27	–	0·26	– S
	Balmoral... ...	9 9 9	927	40·8	31·0	35·9	+0·2	50	31	21	4	–	–	5·19	162	1·18	6	25	21	0	0	0	0	–	15	18	0	–	–
	Logie Coldstone	9 9 9	608	43·0	31·6	37·3	+0·4	53	31	21	4	–	–	5·34	–	1·10	6	25	15	1	0	0	0	–	17	–	1	–	–
	Fyvie Castle ...	9 9 9	218	43·2	32·6	37·9	–	54	31	21	22	–	–	3·57	–	·72	7	23	19	1	0	0	0	–	16	25	–	0·76	– S
	Craibstone ¶§	9 9 9	300	43·6	35·1	39·3	+0·7	52	31	29	4	40·1	43·9	4·50	142	·52	31	26	20	3	0	0	0	0	5	12	2	0·71	49
	Dyce	21–9 9	190	43·8	35·2	39·5	–	52	31	24	4	–	–	4·25	130	·50	31	25	20	1	0	2	0	3	12	12	0	0·65	–
	Aberdeen ...	9 9 9	170	44·8	35·7	40·3	–	52	31	28	4	–	–	4·12	132	·57	31	24	21	1	0	1	0	0	4	20	5	0·75	– S
	Udny	9 9 9	363	43·4	34·2	38·8	–	(51)	31	28	4	–	–	4·51	–	·52	9	25	20	0	0	2	0	0	11	–	2	0·76	–
	Rattray Head ...	21–9 9	85	44·4	38·5	41·5	–	52	31	32	19,21	–	–	4·44	174	·52	4	27	19	0	0	0	0	0	2	–	10	0·91	–
Kincardine	Fettercairn ...	9 9 9	560	42·3	33·6	37·9	–	50	31	28	19	–	–	7·69	–	·95	7	28	24	3	0	1	0	2	11	23	0	0·67	– S
	Stonehaven ...	9 9 9	12	45·8	34·8	40·3	–	52	31	27	4	–	–	4·46	162	·72	20	28	20	0	0	1	0	0	10	–	1	0·74	– S
	Muchalls ...	9 9 9	210	44·3	35·9	40·1	–	51	31	31	19,22	–	–	4·39	–	·65	20	25	20	0	0	0	0	0	4	15	0	–	–
Angus	Dundee (Mylnefield)	9 9 9	100	44·5	34·8	39·7	–	55	31	26	4	40·2	45·4	5·18	–	·84	20	27	22	1	0	0	0	1	10	20	2	0·77	–
	Dundee ... ¶	9 9 9	147	44·9	35·8	40·3	+1·3	52	31	30	4,5	39·5	–	5·62	232	·88	20	26	23	3	0	2	0	–	4	21	1	–	–
	Glamis Castle ...	9 9 9	200	42·9	33·0	37·9	–	52	31	26	4	–	–	7·29	–	1·09	7	25	22	4	0	1	0	2	15	19	3	–	–
	Buddon Ness ...	9 9 9	15	45·5	35·6	40·5	–	52	31	24	29	–	–	4·71	207	·65	20	26	20	2	–	1	0	1	9	–	7	–	–
	Carnoustie ...	9 9 9	29	45·7	36·9	41·3	–	53	31	30	19	41·3	–	4·96	210	·80	20	26	21	0	0	1	0	1	4	17	3	0·84	–
	Arbroath... ...	9 9 9	95	45·6	37·3	41·5	+2·2	51	31	30	4	–	–	4·68	212	1·02	20	24	18	0	0	0	0	1	2	9	1	0·64	48
	Montrose... ...	9 9 9	200	43·8	34·7	39·3	–	52	31	27	4	–	–	5·07	205	·60	20	25	21	0	0	1	0	0	9	–	1	–	–
Perth	Strathyre ...	9 9 9	425	44·0	33·4	38·7	–	50	12,17,31	22	5	39·8	43·4	15·98	–	1·98	17	27	25	5	0	0	0	0	10	11	6	–	–
	Loch Tay (Ardtalnaig)	9 9 9	427	44·0	35·5	39·7	–	51	13,31	28	5,6	–	–	11·12	–	2·53	6	28	23	3	0	1	0	0	5	5	1	–	–
	Pitlochry ...	9 9 9	473	43·1	32·1	37·6	–	52	31	23	4,5	–	–	7·93	–	1·54	6	30	24	2	1	0	0	3	16	14	0	0·51	–
	Pitlochry (Faskally)	9 9 9	310	43·0	34·4	38·7	–	53	31	26	4,5	39·9	44·3	7·62	–	1·38	6	31	25	2	0	0	0	3	7	13	0	–	–
	Perth	9 9 9	77	44·5	34·4	39·5	+1·0	53	31	25	4,5	–	–	6·10	224	·93	20	29	23	2	2	1	0	5	12	19	4	0·59	54
	Blairgowrie ...	9 9 9	200	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Glenshee Lodge	9 9 9	1100	39·7	31·7	35·7	–	48	31	23	4	36·9	–	12·63	–	2·95	6	29	25	11	0	0	0	0	14	17	0	–	–
Fife	Kirkcaldy ...	9 9 9	137	45·5	35·1	40·3	+0·9	53	31	29	4	–	–	3·92	173	·70	20	24	20	0	0	0	0	1	10	21	7	0·72	72
	Cupar	9 9 9	82	45·4	34·3	39·9	–	53	31	25	4	40·2	–	5·43	–	1·03	20	26	21	1	2	1	0	1	13	14	3	–	–
	Lundin Links ...	9 9 9	40	46·2	37·6	41·9	–	52	31	32	4	–	–	3·66	–	·74	20	25	17	1	0	0	0	1	1	–	0	0·64	–
	Leuchars... ...	21–9 9	35	44·7	36·4	40·5	+1·1	53	31	29	29	–	–	5·01	233	1·08	20	26	20	2	0	1	0	0	7	11	6	0·90	63
	St. Andrews ...	9 9 9	13	45·8	34·9	40·3	+0·6	53	31	29	3,19	41·4	46·1	5·63	237	1·12	20	23	19	–	0	–	–	0	11	22	1	0·82	64
Midlothian	Balerno	9 9 9	700	45·4	35·2	40·3	–	53	13	29	4,5	–	–	3·24	–	·41	31	29	29	–	0	–	–	–	7	29	–	0·78	–
	Midcalder ...	9 9 9	400	44·8	35·0	39·9	–	51	31	27	4,5	–	–	3·48	–	·51	20	25	21	1	0	0	0	0	6	13	0	–	–
	Turnhouse ...	21–9 9	114	44·9	36·6	40·7	–	52	13,31	26	4	–	–	2·72	135	·59	20	25	17	1	0	0	0	1	6	10	3	0·91	–
	Edinburgh—																												
	East Craigs ...	9 9 9	200	45·8	36·0	40·9	–	53	31	26	5	–	–	2·84	–	·49	20	24	18	0	0	0	0	2	5	16	0	–	–
	Davidson's Mains	9 9 9	200	45·1	35·7	40·4	–	53	31	29	4,5	–	–	2·85	–	·51	20	26	17	1	0	0	0	1	6	23	0	0·95	–
	Penicuik ...	9 9 9	620	42·3	34·2	38·7	–	50	31	26	4,5	39·3	–	3·48	–	·58	31	26	20	5	0	0	0	1	9	14	2	0·33	– S
	Bush House ...	9 9 9	605	43·7	34·0	38·9	–	51	31	27	4	38·4	43·3	3·48	–	·69	31	27	18	3	0	0	0	0	12	20	0	0·57	–
	Edinburgh—																												
	Blackford Hill ¶§	9 9 9	441	45·0	36·7	40·9	+0·8	52	31	31	4,5,19	–	–	2·52	119	·64	20	26	14	1	0	0	0	0	3	5	2	0·84	60
	Liberton ...	9 9 9	200	45·8	36·5	41·1	–	53	31	28	4	–	–	2·71	–	·65	20	18	14	2	0	0	0	0	2	14	4	0·88	–
	Botanic Garden	9 9 9	74	46·0	35·5	40·7	–	54	31	27	4	39·7	–	2·50	–	·50	20	25	16	2	0	1	0	1	9	22	1	0·77	–
E. Lothian	Haddington ...	9 9 9	162	45·5	35·8	40·7	–	53	31	27	4	–	–	2·72	–	·46	31	28	15	1	0	0	0	0	6	14	6	1·05	–
	North Berwick ...	9 9 9	51	46·7	37·5	42·1	+2·0	54	31	33	4,19	–	–	3·17	174	·43	5	26	20	0	0	0	0	0	0	–	1	0·74	81
	Dunbar	9 9 9	75	46·5	37·9	42·2	–	54	31	33	4,19,21	–	–	3·31	–	·75	4	25	17	0	0	0	1	0	0	9	0	1·05	–

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n .01in.(0·2mm.) or more	Precip'n .04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average	
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%	
1	SCOTLAND, E.—cont.																													
Berwick	Marchmont ¶§	9 9 9	498	43·4	34·4	38·9	+0·7	49	13,31	30	19	–	–	3·25	138	·32	29	28	21	1	0	0	0	0	8	–	–	0·63	57	S
	St. Abb's Head ...	9 9 9	245	43·9	38·6	41·3	–	51	31	33	19	–	–	3·07	–	·91	4	25	17	0	0	0	0	0	0	0	8	–	–	
Peebles	Broughton ...	9 9 9	741	44·2	35·2	39·7	–	50	13,16,29,31	23	4	–	–	7·05	–	1·32	6	28	25	4	0	0	0	0	6	12	0	–	–	
	Blyth Bridge ...	9 9 9	830	43·4	34·7	39·1	–	(51)	31	24	4	–	–	3·49	–	·42	31	27	22	2	0	1	0	1	6	13	2	0·73	–	
	West Linton ...	9 9 9	800	43·2	34·0	38·6	–	50	31	22	4	37·7	43·8	3·70	–	·43	31	26	21	3	1	0	0	1	8	15	4	–	–	
	Peebles	9 9 9	645	44·5	34·3	39·4	–	53	31	24	4	–	–	3·98	–	·55	6	27	22	4	0	0	0	1	7	14	4	0·55	–	S
Selkirk	Selkirk (Bowhill)	9 9 9	600	43·7	34·3	39·0	–	50	16	27	4	–	–	3·97	–	·44	22	28	18	6	0	0	0	1	10	–	7	–	–	
Roxburgh	Hawick (Wauchope)	9 9 9	560	44·1	34·6	39·3	–	50	6,16	25	4	–	–	5·88	–	·64	22	27	23	–	0	–	–	0	5	–	–	–	–	
	Sourhope ...	9 9 9	900	43·0	34·4	38·7	–	50	16	28	4	–	–	6·13	–	1·18	4	26	22	4	1	0	0	1	6	16	2	0·65	–	
6a	SCOTLAND, W.																													
Argyll	Tiree ... ¶§	21-9 9	29	47·2	40·2	43·7	+0·4	52	13	31	22	–	–	6·89	148	·71	29	27	26	0	0	9	2	0	1	8	10	0·68	72	
	Rhuvaal	21-9 9	47	47·3	40·3	43·8	–	53	31	34	3	–	–	10·95	–	1·33	8	28	25	0	0	0	0	0	0	0	9	–	–	
	Colonsay ...	9 9 9	87	47·6	38·6	43·1	–	53	31	29	5	–	–	7·60	134	·49	16	30	28	–	–	–	–	0	1	–	–	–	–	
	Tobermory ...	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	13	–	–	–	
	Loch Shiel (Polloch)	9 9 9	33	46·5	36·0	41·3	–	53	13,31	24	5	–	–	13·77	–	1·59	17	26	26	–	–	–	–	–	6	13	–	–	–	
	Tarbert (Achaglachgach)	9 9 9	40	47·0	37·3	42·1	–	55	27	22	5	–	–	11·20	–	1·10	8	29	28	0	0	1	0	0	4	14	0	–	–	
	Lephinmore ...	9 9 9	30	46·1	37·3	41·7	–	51	13,16,30,31	27	5	–	–	11·83	–	·95	17	29	27	0	0	0	1	0	4	12	0	0·43	–	S
	Glenbranter ...	9 9 9	120	44·6	35·9	40·3	+0·9	51	13	25	5	–	–	16·26	155	1·65	17	27	27	–	0	0	–	0	6	9	–	–	–	
	Dunoon Waterworks	9 9 9	228	–	–	–	–	–	–	–	–	–	–	13·70	–	1·30	31	28	27	–	0	0	1	3	–	19	–	–	–	
	Dunoon (Benmore)	9 9 9	46	–	33·9	–	–	–	–	25	5,6,8	39·7	44·5	15·13	147	1·46	22	28	28	0	0	1	1	5	10	15	0	–	–	
Bute	Rothesay. ¶§	9 9 9	150	46·1	39·3	42·7	+1·3	52	13,16	35	4,5,6	43·7	45·7	9·29	157	1·08	29	27	24	0	0	2	0	7	0	11	3	0·75	77	
	Millport	9 9 9	16	47·8	40·2	44·0	–	57	19	32	2	–	–	7·77	161	·70	29	26	23	1	0	1	0	0	1	–	14	–	–	
Dunbarton	Helensburgh ...	9 9 9	293	44·1	36·2	40·1	+0·3	50	13,31	26	5	–	–	8·55	139	1·16	29	27	26	2	0	0	0	2	5	–	3	0·27	30	
Stirling	Stirling	9 9 9	151	45·1	36·0	40·5	+0·9	52	30,31	26	4,5	39·7	47·4	6·13	162	·67	29	27	21	4	0	1	0	1	5	6	1	–	–	
	Falkirk	9 9 9	100	46·1	34·5	40·3	–	57	16	25	4,5	–	–	5·18	150	·64	29	24	20	0	0	0	0	2	8	–	0	–	–	
Renfrew	Greenock ...	9 9 9	200	46·1	37·9	42·0	+0·9	52	13	31	6	–	–	10·63	152	1·13	29	28	24	0	0	0	0	3	2	8	0	0·20	28	S
	Paisley	9 9 9	106	45·3	37·1	41·2	+0·7	52	31	26	5	42·3	47·7	7·86	170	·70	29	26	24	1	0	0	0	7	4	9	1	0·44	55	S
	Barrhead ...	9 9 9	97	45·8	36·0	40·9	–	52	16,30,31	22	5	–	–	8·10	–	·86	26	26	23	2	0	0	0	2	8	7	2	–	–	
	Renfrew ... ¶§	21-9 9	26	45·3	37·9	41·6	+2·0	52	13,16,31	26	5	–	–	6·76	161	·71	22	26	23	2	0	0	3	0	3	6	7	2	0·42	47	
Lanark	Thorntonhall ...	9 9 9	453	44·2	34·8	39·5	–	51	16	27	4,5	–	–	7·67	–	·71	26	28	23	2	1	0	0	3	8	15	0	–	–	
	Glasgow, Spr. Pk.	9 9 9	351	43·9	36·5	40·2	–	51	31	25	5,6	–	–	6·10	160	·76	22	26	22	3	0	0	0	3	3	9	0	0·48	–	
	Coatbridge ...	9 9 9	256	45·1	36·6	40·9	–	52	31	27	4,5	–	–	4·43	–	·46	20	23	20	0	0	0	0	3	3	–	1	–	–	
	Coalburn ...	9 9 9	920	42·9	35·7	39·3	–	49	16	27	4	40·0	–	5·10	–	·57	16	26	23	3	0	0	0	3	5	13	6	0·64	–	
	Coalburn ...	9 9 9	1270	41·1	33·7	37·4	–	48	16	23	4	–	–	10·62	–	1·25	8	25	24	8	0	0	0	1	10	10	3	–	–	
	Leadhills ...	9 9 9	706	43·2	34·4	38·8	–	50	31	22	4	–	–	3·14	–	·46	31	27	21	2	0	0	0	2	9	15	7	–	–	
	Carnwath ...	9 9 9	1020	43·2	34·4	38·8	–	50	31	22	4	–	–	6·63	127	·78	6	26	25	–	0	–	–	0	4	19	–	–	–	
Ayr	Colmonell... ...	9 9 9	170	47·0	38·0	42·5	+1·6	53	29	27	4,5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Turnberry ...	9 9 9	25	–	–	–	–	–	–	–	–	–	–	9·98	193	1·01	22	27	23	–	0	–	–	1	3	6	–	0·69	–	
	Largs (Woodbank)	9 9 9	25	47·0	38·5	42·7	–	52	31	29	5	–	–	9·30	–	1·14	31	26	25	2	0	4	1	0	5	–	9	–	–	
	Barr	9 9 9	400	45·3	35·2	40·3	–	51	16	23	4,5	–	–	9·30	–	1·14	31	26	25	2	0	4	1	0	5	–	9	–	–	
	Auchincruive ...	9 9 9	147	46·4	37·1	41·7	–	53	19	28	5,6	42·7	–	4·49	113	·62	31	24	22	1	0	2	0	0	3	12	2	0·81	–	
	Prestwick ...	9 9 9	17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	Prestwick Airport	21-9 9	30	46·7	38·9	42·8	–	53	16	26	5	–	–	4·26	114	·59	31	24	20	1	0	2	0	0	4	7	1	0·86	–	
	Kilmarnock ...	9 9 9	115	–	37·7	–	–	–	–	28	5	41·6	49·6	5·36	–	·72	31	25	22	0	0	3	0	3	2	12	3	0·67	70	
Dumfries	Moniaive (Dalmacallan)	9 9 9	480	44·3	35·4	39·9	–	51	16	26	4	–	–	10·98	–	1·41	8	27	25	–	0	–	–	0	7	14	–	–	–	
	Dumfries... ¶§	9 9 9	140	46·2	36·9	41·5	+2·1	53	16	29	4	43·7	47·0	7·25	169	·81	22	26	22	0	–	0	0	1	4	13	0	0·69	61	S
	Ruthwell... ...	9 9 9	95	45·2	35·1	40·1	+1·4	50	16	27	4,5	–	–	6·04	174	·64	22,29	27	25	0	–	0	0	–	8	–	3	0·62	70	S
	Eskdalemuir ¶§	21-9 9	794	42·3	35·0	38·7	+1·7	50	16	24	4	43·2	46·9	9·21	147	·82	25	26	24	4	0	0	0	1	9	10	1	0·63	55	
Kirkcud-bright	Bargrennan ...	9 9 9	360	45·6	34·5	40·1	–	52	31	26	4,5,21	–	–	10·53	–	1·16	31	27	26	2	0	0	0	0	12	13	0	–	–	
	Palnure	9 9 9	50	47·5	35·4	41·5	–	56	29,30	24	5	–	–	9·89	–	1·03	8	26	24	0	0	1	0	0	12	–	8	–	–	
	Glenlee	9 9 9	181	46·0	35·2	40·6	–	52	16,19	24	4,5	–	–	10·94	–	·99	25	26	25	1	0	0	0	2	9	13	2	–	–	
	Carsphairn (Dundeugh)	9 9 9	390	45·4	34·8	40·1	–	52	16	22	4	–	–	10·39	–	·96	29	27	25	3	0	0	0	0	8	–	3	–	–	
	Glenlochar Barrage	9 9 9	154	46·1	36·2	41·1	–	52	16	26	5,6	–	–	9·73	–	1·07	8	25	23	–	0	–	–	3	7	–	–	–	–	
	Castle Douglas ...	9 9 9	196	46·0	36·1	41·1	–	55	31	22	4,5	43·1	–	9·95	–	1·06	8	25	23	–	0	–	–	1	7	12	–	0·80	–	
Wigtown	Stranraer (Penwhirn)	9 9 9	546	45·2	35·6	40·4	–	50	16,29	25	4	–	–	11·34	–	1·18	31	27	26	0	0	1	1	2	5	10	6	1·01	–	S
	Mull of Galloway	21-9 9	257	47·2	41·1	44·1	–	52	16,29	36	20	–	–	4·59	–	·85	8	26	21	0	0	3	0	0	0	–	15	–	–	
6b	ISLE OF MAN																													
Isle of Man	Ronaldsway ...	21-9 9	55	48·8	42·4	45·6	–	53	29	32	14	–	–	6·07	162	·67	8	25	22	1	0	2	0	0	1	3	17	0·93	–	
	Douglas	9 9 9	284	47·8	40·3	44·1	+1·3	52	16,29	35	4	–	–	9·99	205	1·02	29	27	26	0	0	0	1	0	0	0	5	1·10	76	
	Point of Ayre ...	21-9 9	30	49·2	40·8	45·0	–	56	16	33	2	–	–	5·11	152	·59	5	25	21	0	0	0	0	0	0	–	4	1·21	–	
2	ENGLAND, N.E.																													
Northum-berland	Kielder Castle ...	9 9 9	660	43·7	33·8	38·7	–	50	16	28	29	41·2	–	8·15	186	1·06	25	28	26	0	0	0	0	0	1	8	16	0	–	–	
	Bellingham ...	9 9 9	849	42·5	33·7	38·1	+1·6	48	31	29	19	–	–	4·85	162	·62	25	27	25	0	0	0	0	0	0	12	–	–	–	
	Allendale Town...	9 9 9	795	44·1	35·5	39·8	–	50	29,31	30	2,4	–	–	5·30	–	·84	7	26	22	0	0	0	0	0	3	12	2	–	–	
	Haydon Bridge ...	9 9 9	270	46·1	35·6	40·9	–	52	29,31	27	2	42·0	46·5	4·03	–	·84	7	24	21	0	0	0	0	1	6	12	0	0·67	–	
	Berwick-on-Tweed	9 9 9	76	45·9	37·6	41·7	+1·3	52	31	32	4	–	–	3·70	218	1·01	4	25	19	1	0	1	0	0	1	12	4	0·82	56	
	Cockle Park ¶§	9 9 9	326	45·1	35·7	40·4	+1·5	52	30	32	1,19,24	39·6	43·4	3·61	144	·58	9	27	22	0	0	0	0	0	4	11	3	0·84	55	
	Acklington ...	21-9 9	138	44·5	36·3	40·4	–	52	31	28	24	–	–	2·87	–	·39	9	22	16	0	0	0	0	0	9	12	3	0·82	–	
	Tynemouth ...	21-9 9	95	45·3	40·3	42·8	+1·5	52	29,30,31	35	24	–	–	3·22	135	·74	4	24	15	0	0	0	0	0	0	5	4	0·69	–	
Durham	Chopwellwood ...	9 9 9	446	45·1	35·3	40·2	+1·6	51	31	31	1,2,24	–	–	4·75	188	·90	4	27	21	2	0	0	0	5	7	19	2	–	–	
	Ushaw College ...	9 9 9	594	44·0	35·0	39·5	+0·9	51	16	30	1	–	–	3·46	137	·48	4	21	19	1	0	0	0	4	8	–	4	–	–	
	Houghall... ...	9 9 9	160	46·1	35·5	40·8	+1·8	53	30	29	2	–	–	3·60	150	·70	4	23	15	1	0	0	0	4	9	15	6	0·79	64	S
	Durham ... ¶§	9 9 9	336	45·5	36·0	40·7	+1·6	52	29,31	31	2	41·6	46·5	3·03	133	·50	4	23	19	1	0	0	0	–	3	7	0	0·83	58	
	Gateshead ...	9 9 9	509	44·6	36·3	40·5	–	51	16,29,31	32	1,2,24	–	–	3·50	–	·50	4	25	17	2	0	0	0	4	3	4	–	0·94	–	
	Middleton St. Geo.	21-9 9	115	45·9	38·3	42·1	–	53	19,20,29	31	2	–	–	2·36	–	·47	19	20	15	1	0	0	0	1	2	11	0	0·84	–	
	West Hartlepool	9 9 9	30	47·1	38·4	42·7	–	53	29	33	2	–	–	3·15	–	·65	4	22	19	0	0	0	0	5	0	4	1	0·69	–	
Yorks., N. Riding	Dishforth ...	21-9 9	106	45·4	37·9	41·7	–	53	29	30	2	–	–	3·46	157	·49	26	21	17	0	0	0	0	4	4	9	1	0·95	–	
	York ... ¶§	9 9 9	57	46·5	37·8	42·1	+2·2	52	19,20,29	31	2	41·8	46·4	3·04	150	·49	26	25	16	0	0	0	0	4	2	–	1	0·62	59	S
	Appleforth ...	9 9 9	313	45·0	36·7	40·9	–	50	19,20,29	32	2,13	–	–	3·57	137	·40	6	26	16	–	–	–	–	5	1	10	–	–	–	

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2 mm.) or more	·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
2	ENGLAND, N.E.—cont.																												
Yorks., N. Riding—	Redcar	9 9 9	25	47·7	38·9	43·3	–	53	19	33	2	–	–	2·85	142	·73	4	22	17	0	0	0	0	1	0	–	4	1·11	–
cont.	Whitby	9 9 9	135	46·9	37·7	42·3	–	53	20,29	31	3	–	–	4·56	182	1·18	4	20	18	0	0	1	1	1	1	13	1	0·72	–
	Scarborough ¶§	9 9 9	118	46·8	38·9	42·9	+1·6	53	20	35	2,13,24	–	–	3·21	130	·75	4	23	17	0	0	0	0	1	0	1	3	0·89	73 S
	Silpho Moor ...	9 9 9	665	43·5	35·7	39·6	–	49	19,29,31	31	2,13,22	40·5	–	4·97	–	·69	4	30	20	–	0	–	–	6	11	–	–	–	–
Yorks., E. Riding	High Mowthorpe	9 9 9	574	44·1	35·2	39·7	–	50	19,20	27	30	41·5	–	5·63	–	·61	6	25	20	0	0	0	0	2	16	15	0	0·97	–
	Leconfield ...	21-9 9	29	45·9	39·2	42·5	–	53	20	31	24	–	–	3·29	–	·50	4	22	20	0	0	0	0	4	2	8	0	1·01	–
	Hull	9 9 9	8	47·0	38·9	42·9	+2·5	54	20	32	2	42·8	47·0	3·16	140	·41	3	22	19	0	0	0	0	0	1	7	1	0·94	94
	Filey	9 9 9	122	46·5	37·1	41·8	–	52	20,29	31	2	–	–	4·88	–	1·37	4	23	19	0	0	1	0	0	2	8	2	0·82	–
	Bridlington ...	9 9 9	157	45·9	36·9	41·4	–	51	16,20,29	31	2	–	–	3·99	–	·59	4	23	19	0	0	0	0	3	3	16	5	0·64	–
	Spurn Head ...	21-9 9	29	45·8	40·9	43·3	+2·4	51	17,30,31	34	2	–	–	3·59	–	·95	3	19	18	0	0	0	0	1	0	–	5	1·06	72
Lincoln	Gunby	9 9 9	443	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Waddington ...	21-9 9	224	45·8	38·8	42·3	–	53	16,20	31	2,24	–	–	2·85	–	·31	14	22	15	0	0	0	0	1	3	1	1	1·09	–
	Lincoln	9 9 9	22	47·9	37·6	42·7	–	55	19	32	2,28	43·9	46·7	3·48	–	·40	19	25	19	0	0	0	0	3	2	13	5	1·17	–
	Cranwell ... ¶§	9 9 9	205	47·0	36·7	41·9	+2·9	55	17,20	30	1,2	43·0	49·1	2·71	142	·39	14	21	17	0	0	0	0	3	5	6	2	1·27	82
	Horncastle ...	9 9 9	205	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Cleethorpes ...	9 9 9	23	46·7	37·7	42·2	–	52	19,20,31	29	2	–	–	4·24	–	1·21	3	18	18	0	0	0	0	1	2	4	0	1·07	–
	Manby	21-9 9	55	46·1	38·8	42·5	–	52	16,19,20	30	2	–	–	4·09	–	1·04	3	21	17	0	0	0	0	1	3	8	0	1·23	–
	Skegness	9 9 9	15	47·2	39·0	43·1	+3·3	54	20	32	13	–	–	4·59	228	1·16	3	24	15	0	0	0	0	1	1	2	2	1·36	89
3	ENGLAND, E.																												
Norfolk	Terrington St. Clement ...	9 9 9	13	46·9	37·5	42·2	–	53	16,19,20	32	2	43·9	–	3·89	226	·95	3	19	15	0	0	0	0	3	1	0	0	1·23	–
	Marham	21-9 9	76	46·6	38·3	42·5	–	54	20	30	22,24	–	–	3·43	–	1·17	3	21	17	0	0	0	0	3	4	5	0	–	–
	Santon Downham	9 9 9	80	47·4	36·7	42·1	–	54	19,20	30	16,24,29	43·3	46·1	3·37	–	1·06	3	22	17	–	0	–	–	–	9	12	–	–	–
	West Raynham ...	21-9 9	250	45·4	38·6	42·0	–	53	20	32	2,13,22	–	–	4·25	–	·99	3	22	18	0	0	0	0	3	3	7	3	1·21	–
	Cromer	9 9 9	178	46·5	36·8	41·7	+1·1	53	20	30	2	–	–	3·62	154	·63	4	22	18	0	0	0	0	1	1	9	0	1·24	76
	Sprowston ¶§	9 9 9	93	47·4	37·9	42·7	+3·0	54	20	31	2	–	–	2·85	125	·60	4	24	17	0	0	0	0	2	2	7	0	1·02	71
	Burlingham ...	9 9 9	89	47·3	37·6	42·5	–	54	20	31	2	–	–	2·61	115	·43	3	21	18	0	0	0	0	2	2	3	1	1·05	–
	Gorleston ¶§	21-9 9	5	47·2	39·6	43·4	+2·5	57	20	30	1	44·1	48·6	2·69	125	·69	3	21	15	0	0	0	0	2	2	4	5	0·54	36
Suffolk	Mildenhall ...	21-9 9	15	47·4	40·3	43·9	–	55	19,20	29	1	–	–	2·99	166	1·07	3	21	18	0	0	0	0	0	2	6	0	1·35	–
	East Bergholt ...	9 9 9	14	48·0	37·3	42·7	–	55	29	28	1	–	–	3·65	–	·74	3	25	16	0	0	0	0	1	5	12	3	–	–
	Felixstowe ...	21-9 9	10	46·9	41·2	44·1	+3·4	51	17,20,29	31	2	–	–	2·79	141	·61	3	20	17	0	0	0	0	2	1	1	0	1·04	60
	Lowestoft ...	9 9 9	82	47·4	38·3	42·9	+2·9	52	17,19,20	31	1,2	43·0	46·5	2·88	132	·75	3	20	17	0	0	1	0	2	2	4	1	0·88	53
Cambridge	Boxworth ...	9 9 9	157	47·8	37·5	42·7	–	56	18	27	1	–	–	2·65	153	·59	3	20	16	0	0	0	0	1	2	10	0	1·29	–
	*Cambridge Bot. Gdn. ¶§	9 9 9	41	47·9	37·0	42·5	+3·0	55	19,20	29	1	42·8	47·8	3·01	182	·71	3	21	18	0	0	0	0	1	5	13	–	1·22	92
Huntingdon	Wyton	21-9 9	129	46·7	38·9	42·8	–	54	19,20	29	1	–	–	3·26	–	·57	3	21	16	0	0	1	0	2	3	3	0	–	–
Bedford	Woburn	9 9 9	291	46·9	36·7	41·8	+2·8	54	20	25	2	41·4	47·2	3·73	180	·52	3	25	16	0	0	0	0	1	3	9	1	1·21	90 S
	Harrold	9 9 9	150	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Dunstable ...	21-9 9	516	46·3	38·3	42·3	–	53	20	30	1,2	42·2	47·6	3·69	–	·45	6	20	18	0	0	1	1	2	2	7	0	1·21	–
	Goldington ...	9 9 9	107	47·8	37·7	42·7	–	55	20	29	2	–	–	2·98	–	·55	3	23	15	0	0	1	0	1	2	12	3	–	–
	Luton	9 9 9	379	47·0	36·7	41·9	+2·9	54	19	27	2	43·3	–	3·41	155	·46	6	21	18	–	0	–	–	4	3	7	–	1·05	77 S
	Silsoe	9 9 9	195	47·9	37·2	42·5	–	55	19,20	28	2	42·7	47·6	2·83	162	·40	3	24	16	0	0	0	0	1	4	10	0	1·28	–
	Cardington ...	21-9 9	93	47·6	39·0	43·3	–	54	17,19,20	27	2	–	–	2·80	167	·48	3	23	15	0	0	0	0	1	2	10	2	1·29	–
Hertford	Boyingdon ...	21-9 9	516	46·1	37·5	41·8	–	53	20	24	2	–	–	5·12	–	·54	25	22	20	0	0	2	1	5	6	10	1	–	–
	Garston	9 9 9	263	47·7	36·5	42·1	–	53	16,20,29	29	2	–	–	4·51	–	·56	25	23	21	0	0	1	1	4	4	12	0	0·69	–
	Rothamsted ¶§	9 9 9	420	46·5	35·4	40·9	+2·3	53	20	27	2	42·0	47·2	4·43	176	·53	25	25	19	0	0	0	0	3	9	14	0	0·98	64
	St. Albans ...	9 9 9	272	47·7	36·1	41·9	+3·0	53	16,20,29	28	2	42·7	–	4·24	183	·55	26	24	20	0	0	0	0	3	7	13	0	–	–
	Bayfordbury ...	9 9 9	221	47·6	37·2	42·4	–	53	16,20,31	28	1	–	–	4·25	189	·51	5,26	24	17	0	0	2	0	3	3	14	0	1·12	– S
	Stanstead Abbotts	9 9 9	97	48·6	37·1	42·7	–	54	16,19,20	28	1	45·0	48·3	3·78	–	·48	5	25	18	–	0	–	–	5	4	14	–	–	–
	Eastwick Lodge ...	9 9 9	137	48·0	37·5	42·7	–	54	16,19,20	29	1	–	–	3·49	169	·45	3	25	18	–	0	–	–	9	5	–	–	–	–
Essex	Stansted ...	9 9 9	330	46·4	38·3	42·3	–	53	19,20	27	2	–	–	4·09	–	·72	3	26	21	0	0	0	1	4	4	9	1	–	–
	Saffron Walden	9 9 9	295	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Writtle	9 9 9	105	48·3	37·7	43·0	–	55	20	29	1	–	–	3·73	182	·67	3	23	20	0	0	0	0	3	4	5	2	0·71	–
	Coryton	9 9 9	9	49·5	39·9	44·7	–	57	17	30	1	44·0	50·2	2·52	–	·50	4	23	17	0	0	0	1	3	2	2	0	–	–
	Southend ...	9 9 9	90	47·8	38·8	43·3	–	52	16,19,20	32	1	–	–	2·35	125	·53	3	23	17	0	0	0	0	3	1	2	1	0·87	59
	Maldon	9 9 9	14	48·3	36·8	42·5	–	58	16	29	1	–	–	3·42	–	·58	3	26	19	0	–	0	0	3	7	–	0	–	–
	Earls Colne ...	9 9 9	160	48·1	36·9	42·5	–	54	17,20	28	1	43·0	47·4	3·59	165	·72	2	22	18	–	0	–	–	3	5	15	–	–	–
	Shoeburyness ¶§	21-9 9	11	47·8	41·6	44·7	+4·2	53	17,20,29	29	1	–	–	2·72	153	·55	3	24	16	0	0	0	0	2	2	4	0	0·90	56
	Clacton	9 9 9	53	46·7	39·3	43·0	–	50	17,20,29	30	2	43·6	48·5	3·05	153	·71	3	22	18	0	0	0	0	2	2	6	1	1·07	66
	Walton-on-Naze	9 9 9	35	47·3	38·8	43·1	–	52	17	30	2,13	–	–	3·37	–	·79	3	22	20	0	0	0	0	3	4	5	0	0·93	–
	Dovercourt ...	9 9 9	11	47·5	37·3	42·4	–	52	17,20,29	31	2	–	–	3·12	–	·69	3	23	19	–	–	–	–	1	5	11	2	1·05	–
4	MIDLAND COUNTIES																												
Yorks., W. Riding	Skaidburn ...	9 9 9	629	44·7	36·0	40·3	–	50	19,20	32	6	–	–	11·48	–	1·71	26	25	22	0	0	0	0	0	1	10	14	0·49	–
	Malham Tarn ...	9 9 9	1297	41·2	34·3	37·7	–	47	16	32	5,16,29	41·3	–	10·03	–	1·54	26	26	23	7	1	1	0	4	5	14	0	–	–
	Bingley	9 9 9	610	44·7	36·3	40·5	–	51	19,26	32	2,13	–	–	7·00	209	1·38	26	25	21	0	0	0	0	3	2	11	0	–	–
	Huddersfield §	9 9 9	325	46·6	37·8	42·2	+2·7	54	19	30	6	41·7	46·4	4·97	–	1·03	26	25	18	–	0	–	–	2	2	9	–	0·77	104
	.. (Oakes)	21-9 9	762	44·0	37·9	40·9	+2·0	51	19,20	31	6	40·8	44·8	6·49	193	1·37	26	27	19	3	0	0	1	0	1	5	5	0·59	–
	Bradford ¶	9 9 9	439	45·3	37·4	41·3	+2·0	52	19,20	32	1,2	41·1	46·2	6·34	210	1·38	26	28	19	0	0	0	0	1	2	8	0	–	–
	Ilkley	9 9 9	315	45·7	37·1	41·4	+2·5	53	19	31	5	–	–	6·68	188	1·07	26	20	20	0	0	0	0	5	2	–	0	0·86	87 S
	Sheffield	9 9 9	429	46·4	38·1	42·3	+1·9	53	29	34	1,2,25	42·0	47·4	4·60	158	·78	6	24	19	0	0	0	0	–	0	15	0	0·58	56
	Wakefield ...	9 9 9	121	47·1	37·1	42·1	+2·3	54	16	28	13	42·6	47·0	3·06	144	·57	6	22	16	0	0	0	0	3	2	10	0	–	–
	Killinghall ...	9 9 9	365	–	36·0	–	–	–	–	30	6,24	41·7	–	6·15	–	·88	26	23	21	0	0	0	0	3	6	12	0	0·84	–
	Pontefract ...	9 9 9	255	46·4	37·4	41·9	+2·3	53	19,20	31	2	–	–	2·51	131	·32	6	25	17	0	0	0	0	7	2	5	1	0·89	–
	Bramham ...	9 9 9	177	46·5	36·4	41·5	–	53	16,20,29	29	6	–	–	3·25	–	·50	26	24	15	0	0	0	0	4	5	11	0	0·68	–
	Cawood	9 9 9	20	46·3	36·5	41·4	–	52	19,20,29	29	2	41·4	45·9	2·35	115	·30	6	20	14	0	0	0	0	4	4	12	0	1·02	–
	Askham Bryan ...	9 9 9	90	46·5	36·8	41·7	–	54	20	29	2	–	–	2·95	137	·47	26	22	16	0	0	0	0	4	4	9	1	0·74	–
Derby	Buxton	9 9 9	1007	43·3	35·7	39·5	+2·1	50	19	30	13	39·9	43·9	8·98	186	·92	31	26	25	2	0	1	0	6	1	3	0	–	–
	Chapel en le Frith	9 9 9	728	44·8	36·1	40·5	–	51	16,19,20	32	3	–	–	7·89	–	·77	15	26	23	2	0	0	0	3	1	13	0	–	–
	Wirksworth ...	9 9 9	565	45·3	35·6	40·5	–	51	19	29	13	–	–	5·95	–	·97	6	26	23	0	0	0	0	4	5	10	5	–	–

Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
4 MIDLAND COUNTIES—cont.																												
Derby—cont. Derby	9 9 9	159	47·2	37·5	42·3	–	53	19,29,31	30	13	–	–	3·35	–	·42	25	27	18	0	0	0	0	3	2	6	0	0·71	–
Morley	9 9 9	350	45·7	36·6	41·1	–	57	19,20	28	13	–	–	3·69	–	·50	25	25	20	0	0	0	–	–	1	3	0	0·86	–S
Chesterfield	9 9 9	298	46·7	36·2	41·5	–	53	16,19,29	29	1,13	–	–	4·69	–	·60	6	25	18	0	0	0	0	0	4	–	0	–	–
Nottingham Sutton Bonington	9 9 9	157	47·3	37·3	42·3	+2·9	54	19,27,31	29	13	43·7	47·4	3·08	160	·41	6,14	24	19	0	0	0	0	1	3	16	0	1·28	124
Watnall	21-9 9	385	45·5	38·5	42·0	–	52	19	28	13	–	–	3·85	165	·52	25	24	19	0	0	0	0	7	2	10	0	0·99	–S
Mansfield	9 9 9	357	45·3	37·0	41·4	+2·7	52	19	30	2	–	–	4·21	172	·72	6	25	21	0	0	0	0	11	3	6	0	–	–
Nottingham ¶§	9 9 9	192	47·1	38·2	42·7	+2·7	53	19,29,31	30	13	41·7	46·3	2·92	144	·48	19	25	17	0	0	0	0	4	1	3	0	0·92	84
Warsop	9 9 9	150	46·5	36·5	41·5	–	53	19	28	2,13	–	–	3·25	162	·66	6	23	19	2	0	0	0	5	6	11	4	0·92	–
Finningley	21-9 9	34	46·3	39·1	42·7	–	54	20,29	29	2,13	–	–	2·41	–	·39	6	23	18	0	0	0	0	4	3	6	1	0·71	–S
Langar	21-9 9	106	46·8	38·9	42·9	–	54	19	29	13	–	–	2·69	–	·45	14	21	16	0	0	0	0	0	3	11	0	–	–
Leicester Leicester (Towers)	9 9 9	267	47·2	37·7	42·5	–	54	31	30	13	42·8	47·6	3·53	163	·56	14	28	11	0	0	0	0	1	1	5	0	–	–
Caldecott	9 9 9	175	47·5	35·6	41·5	–	53	16,20,31	29	2,13	–	–	3·89	–	·58	14	20	16	0	0	0	0	3	6	17	–	1·19	–
Northampton Wellingborough	9 9 9	298	46·8	36·5	41·7	–	53	19,20	28	2	–	–	3·94	–	·80	14	26	17	0	0	0	0	3	3	9	2	–	–
Kettering	9 9 9	297	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Raunds	9 9 9	193	47·1	36·2	41·7	–	53	19,20,31	28	2	42·3	43·0	4·06	213	·80	14	24	16	0	0	0	0	2	5	8	0	–	–
Wittering	21-9 9	216	46·2	37·9	42·1	–	54	31	29	13	–	–	3·55	–	·55	14	19	16	0	0	1	0	3	5	11	0	1·43	–
Warwick Birmingham ¶§	21-9 9	536	45·8	39·3	42·5	+2·6	53	19	32	13	44·2	48·6	5·15	191	·58	6	24	21	0	0	0	0	5	1	7	0	0·99	85
Luddington	9 9 9	138	47·8	37·1	42·5	–	54	19,29,31	30	1,2	–	–	3·36	178	·57	14	25	18	0	0	0	0	1	5	9	0	1·16	–
Stratford on Avon	9 9 9	160	47·9	36·4	42·1	–	54	29,31	29	1,2	42·5	–	3·58	–	·56	14	25	18	0	0	0	0	0	5	16	2	1·12	–
Elmdon	21-9 9	319	46·5	38·0	42·3	–	53	19,29	27	1	–	–	4·55	189	·55	19	24	21	0	0	0	0	2	5	9	1	1·22	–
Shipston on Stour	9 9 9	365	47·4	36·7	42·1	–	53	16,20,31	30	1,13	42·4	–	4·50	–	·63	14	26	21	0	0	0	0	1	5	14	–	1·28	–
Wellesbourne	9 9 9	153	47·6	37·3	42·5	–	54	29	30	2	42·2	44·7	3·55	177	·74	14	23	16	0	0	0	0	0	3	9	0	1·31	–
Moreton Morrell	9 9 9	280	46·7	37·3	42·0	–	53	19,31	31	1,2	–	–	3·64	–	·52	14	24	15	0	0	0	0	1	2	12	4	1·09	–S
Coventry	9 9 9	338	46·7	36·5	41·6	+2·3	52	16,19	30	2,13	43·0	47·2	3·85	167	·49	14	23	18	0	0	0	0	2	5	–	2	1·10	117
Rugby	9 9 9	385	46·9	37·2	42·1	–	53	12	31	2	41·4	45·3	3·91	–	·59	19	25	21	0	0	0	0	1	1	9	–	–	–
Oxford Oxford ¶§	9 9 9	208	48·5	38·2	43·3	+3·0	54	16,19,29	30	2	42·7	47·0	4·88	214	1·18	14	26	19	0	0	1	0	3	2	9	1	1·45	89
Buckingham Aylesbury	9 9 9	316	47·6	35·9	41·7	–	53	16,19,20	26	2	–	–	3·78	–	·42	14	21	19	0	0	0	1	2	4	14	1	1·22	–
Bletchley	9 9 9	281	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stafford Keele	9 9 9	587	45·2	35·7	40·5	–	51	16,19,29	29	13	41·4	46·6	5·18	167	·74	8	25	23	0	0	1	0	4	4	12	0	1·10	–
Oaken	9 9 9	409	45·9	36·4	41·1	–	52	19,29	28	13	42·8	–	4·05	–	·48	25	25	23	–	–	–	–	2	2	8	–	–	–
Wheaton Aston	9 9 9	365	46·2	36·6	41·4	–	53	19	29	13	42·7	–	3·44	–	·37	8	24	23	0	0	0	0	2	4	15	2	1·18	–
Stone	9 9 9	350	46·2	36·3	41·3	–	53	19	29	2	–	–	3·73	–	·44	8	26	21	0	0	1	0	2	7	16	3	0·87	–
Penkridge	9 9 9	330	46·0	37·1	41·5	–	52	19,20,31	29	2	–	–	3·87	–	·36	6	26	22	0	0	0	0	3	3	15	0	–	–
Onecote	9 9 9	1350	41·6	33·9	37·7	–	48	31	30	24	38·6	44·3	6·64	–	·97	6	25	22	0	0	0	0	8	8	7	2	0·86	–
Shropshire Oswestry	9 9 9	570	45·9	33·8	39·9	–	54	29	26	24	–	–	6·81	–	·99	25	29	25	0	0	1	0	2	12	15	0	0·99	–
Shrewsbury	9 9 9	184	47·8	37·8	42·8	–	55	19	30	13	43·9	48·8	4·19	190	·74	8	28	25	0	0	0	0	2	2	9	5	1·40	–
Shawbury	21-9 9	235	47·0	37·5	42·3	–	54	19,20	26	13	–	–	4·35	197	·63	8	27	21	0	0	1	0	3	6	14	1	1·34	–S
Newport	9 9 9	211	46·5	36·6	41·5	–	53	19	29	2	–	–	3·79	179	·56	8	26	24	0	0	0	0	1	3	16	4	1·20	–
Worcester Malvern	9 9 9	203	47·6	37·7	42·7	+2·3	55	29	28	2,13	43·1	48·4	5·47	203	·72	22	29	21	0	0	0	0	4	2	4	0	1·32	76
Worcester (Redhill)	9 9 9	190	47·7	37·2	42·5	–	55	29	27	13	–	–	4·22	197	·52	22	21	17	0	0	0	0	3	3	12	0	1·23	–
Droitwich	9 9 9	106	47·4	36·7	42·1	–	55	19,29	28	2	–	–	5·22	–	·63	25	21	21	0	0	0	0	1	5	6	0	1·18	–
Pershore (Institute of Horticulture)	9 9 9	130	47·7	38·8	43·3	–	58	31	29	13	–	–	4·24	–	·70	14	23	19	0	0	1	0	1	2	3	–	1·18	–
Pershore	21-9 9	110	47·4	38·5	42·9	–	55	29	25	2	–	–	3·82	–	·62	14	23	17	0	0	0	0	1	3	8	0	1·17	–
Halesowen	9 9 9	505	46·2	36·8	41·5	–	52	19,29	28	13	42·6	47·4	4·86	–	·53	6,8	23	20	0	0	0	0	2	3	6	0	1·10	–
Hereford Lyonshall	9 9 9	510	46·3	36·2	41·3	–	53	31	30	2	–	–	6·85	–	·79	6	28	24	–	–	–	–	2	7	18	–	–	–
Ross-on-Wye ¶§	21-9 9	223	48·0	39·7	43·9	+2·9	55	29	27	2	43·3	47·7	7·32	270	·99	6	25	20	0	0	0	0	0	2	9	0	1·35	81
Preston Wynne	9 9 9	274	47·3	36·6	41·9	–	55	19,29	25	2	–	–	5·50	–	·77	22	27	23	0	0	0	0	1	4	15	0	1·45	–
Gloucester Bristol (Filton)	21-9 9	192	48·4	40·1	44·3	–	54	19,31	27	13	–	–	6·15	208	·59	14	26	20	0	0	3	1	0	3	9	5	1·14	–
Ruscombe	9 9 9	610	46·7	36·6	41·7	–	52	19,31	31	13	–	–	5·46	186	·64	14	27	21	1	0	0	0	1	2	–	0	–	–
Cirencester	9 9 9	443	47·0	36·2	41·6	–	52	16,19,31	27	2	–	–	6·57	211	·80	19	24	22	0	0	1	0	1	4	16	–	1·22	–
Little Rissington	21-9 9	740	45·2	37·3	41·3	–	51	29	31	2,24	–	–	6·02	204	·84	14	22	21	1	0	1	0	4	4	9	1	1·25	–
5 ENGLAND, S.E.																												
London Kensington	9 9 9	81	49·4	38·7	44·1	+2·8	56	20	30	24	44·6	49·3	3·36	153	·37	25	21	17	0	0	0	0	3	3	12	0	–	–
Hampstead	9 9 9	450	47·4	37·9	42·7	+3·8	53	20	30	13	–	–	3·61	150	·39	5	25	19	0	0	0	1	1	3	7	0	0·93	77
Westminster	9 9 9	27	49·5	40·2	44·9	+3·1	55	20	32	23	–	–	3·11	156	·33	26	22	20	0	0	0	1	1	1	12	–	–	–
Regent's Park	9 9 9	129	48·9	39·5	44·2	–	55	20	32	13	–	–	3·24	–	·36	25	23	17	0	0	0	0	2	0	0	–	0·97	113
Camden Square	9 9 9	121	48·9	39·6	44·3	+3·2	54	6,16,20	32	13	–	–	3·35	152	·40	25	21	18	0	0	0	1	1	1	–	–	–	–
Kingsway	—	—																									0·88	–
Bunhill Row	—	—																									0·89	146
Greenwich (Maritime Museum)	9 9 9	24	49·4	38·5	43·9	–	56	20	32	1,2,13,14	–	–	3·18	161	·46	26	22	19	0	0	1	0	2	0	8	0	0·95	–
Middlesex London Airport	21-9 9	82	48·5	39·5	44·0	–	55	20	30	2	–	–	2·98	141	·36	5	24	18	0	0	1	1	3	3	9	1	0·97	–
Hampton	9 9 9	39	49·1	38·8	43·9	–	54	16,19,31	31	2,13	–	–	2·87	–	·48	5	23	16	0	0	0	1	3	3	6	1	1·17	–
Wealdstone	9 9 9	175	47·9	37·3	42·6	+2·3	54	19,20	29	22	43·7	51·2	3·76	152	·44	5	25	17	0	0	1	1	8	5	13	0	0·91	–
Southgate	9 9 9	221	48·2	37·7	42·9	–	54	16,17	30	13	44·5	–	3·51	–	·43	5	22	18	0	0	0	0	2	3	9	0	0·44	–
Surrey Farnham	9 9 9	260	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wisley	9 9 9	150	48·3	37·9	43·1	+3·0	55	20	29	2	43·4	47·6	4·12	163	·60	6	25	18	0	0	2	1	2	4	11	2	0·97	73S
Great Bookham	9 9 9	466	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mickleham	9 9 9	179	–	37·3	–	–	53	16,17,20	28	2,22	–	–	5·48	175	·75	6	24	21	0	0	0	1	2	7	12	0	–	–
Kew Observatory ¶§	21-9 9	18	48·2	41·3	44·7	+3·3	53	16,20,29	32	2,13	43·1	48·3	3·13	152	·52	5	22	17	0	0	1	1	4	2	7	0	1·16	90
Gatwick	21-9 9	194	48·0	38·3	43·1	–	53	19,20,29	27	22	–	–	6·98	–	·96	6	25	22	0	0	2	1	3	7	10	0	0·89	–
Croydon (Waddon)	9 9 9	220	48·7	38·1	43·4	+2·7	55	16,31	28	2	–	–	4·49	164	·55	25	22	17	–	–	–	–	3	–	–	–	–	–
Addington	9 9 9	474	46·8	38·1	42·5	+3·2	52	20,29	30	13	–	–	5·18	180	·65	25	25	21	–	–	–	–	0	2	–	–	–	–
Kent Bromley	9 9 9	213	48·4	38·7	43·5	+3·1	54	16,17,20	31	2,3	–	–	3·91	166	·47	26	25	20	0	0	0	1	4	4	–	0	–	–
Swanley	9 9 9	177	48·1	37·7	42·9	–	54	19,20,29	28	1,2	44·3	–	3·75	–	·42	25	24	19	0	0	0	1	1	4	12	3	0·91	–
Dartford	9 9 9	17	49·2	38·1	43·7	–	55	19,29	29	1	–	–	3·16	–	·40	25	22	16	0	0	0	0	3	4	–	1	–	–
Tunbridge Wells	9 9 9	351	47·3	36·3	41·8	+2·7	53	20	27	2	42·2	46·0	7·85	243	1·01	26	25	22	0	0	3	1	5	9	9	0	0·93	56
West Malling	21-9 9	304	47·1	37·9	42·5	–	53	19,29	29	2,13,22	–	–	4·50	175	·55	25	27	22	0	0	1	1	3	7	11	0	0·95	–
Goudhurst	9 9 9	290	47·5	36·4	41·9	–	52	16,20,31	28	2	–	–	8·53	249	1·24	25	28	24	0	0	3	2	2	8	13	1	–	–
East Malling ¶§	9 9 9	122	48·6	37·3	42·9	+3·2	54	17,20,29	29	22	–	46·9	4·45	172	·57	25	26	23	0	0	0	1	3	7	10	0	0·83	62

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

District, County and Place	Terminal Hours of Observation (Max., Min., Rain)	Height of Station above Mean Sea Level	Air Temperature in Degrees Fahrenheit: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum	Date	Lowest Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	Rainfall: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	Weather Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Bright Sunshine: Daily Mean	Percentage of Average
	G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
5 ENGLAND, S.E.—cont.																												
Kent—cont. Gillingham ...	9 9 9	14	49·4	38·9	44·1	–	55	19,29	31	1	–	–	3·80	–	·52	25	26	21	0	0	1	1	3	3	–	0	0·83	–
Sittingbourne ...	9 9 9	224	47·9	38·7	43·3	–	53	16,20,31	31	1,2	43·0	47·5	5·22	–	·60	22	25	22	0	0	0	1	2	3	9	2	0·97	–
Isle of Grain ...	9 9 9	9	48·8	39·8	44·3	–	55	20	33	1	–	–	2·56	–	·44	3	26	16	0	0	1	0	2	0	3	0	0·94	–
Throwley ...	9 9 9	493	46·6	37·4	42·0	–	52	19	31	2	42·6	47·6	6·84	–	·77	25	25	22	0	0	3	1	1	4	10	4	0·89	–
Faversham ...	9 9 9	157	47·9	38·3	43·1	–	53	16,20,29	29	1	43·7	47·4	5·42	–	·75	22	24	22	0	0	1	2	1	4	5	0	0·80	–
Dungeness ...	21-9 9	10	48·8	42·6	45·7	–	53	19,25	33	12,13	–	–	5·36	209	·81	22	25	21	0	0	4	3	2	0	–	13	–	–
Wye	9 9 9	185	48·0	37·4	42·7	+3·1	53	19,20,29	30	1	–	–	6·59	213	·92	25	26	25	0	0	1	2	3	5	10	–	0·76	46
Whitstable ...	9 9 9	9	48·9	40·1	44·5	–	54	16,20,29	30	1	–	–	4·14	210	·64	22	23	20	–	–	–	–	2	1	–	2	0·67	–
Folkestone ...	9 9 9	128	49·0	39·9	44·5	–	53	21	34	2	–	51·4	6·35	241	1·50	3	25	22	0	0	2	2	1	0	2	1	0·80	–
Wingham (Elmstone)	9 9 9	28	48·0	36·9	42·5	–	53	19,20	30	1	–	–	5·00	–	·99	3	25	21	0	0	1	1	2	3	6	2	–	–
Herne Bay ...	9 9 9	21	48·7	40·0	44·3	–	55	20	34	1,2,13	–	–	3·93	186	·80	3	25	20	0	0	1	1	1	0	–	1	0·77	–
Dover	9 9 9	19	49·4	40·8	45·1	+3·3	53	17,20,25	34	2	45·9	49·8	7·17	246	1·75	3	25	22	0	0	7	4	1	0	0	2	0·92	–
Ramsgate ...	9 9 9	80	48·7	40·5	44·6	–	54	20	35	2	–	–	4·84	236	1·27	3	23	21	0	0	1	1	0	0	1	–	0·95	61
Margate	9 9 9	51	48·5	40·6	44·5	+2·5	54	19,20	35	2	44·7	49·0	3·94	207	1·04	3	23	20	0	0	1	1	0	0	0	1	0·86	56
Sussex Thorney Island ...	21-9 9	10	50·2	41·4	45·8	–	55	16	30	2,22	–	–	7·02	–	1·00	6	25	20	0	0	6	2	0	3	7	0	1·35	–
Bognor Regis ...	9 9 9	24	49·9	40·7	45·3	+3·3	53	20,29	29	2	–	50·5	6·78	222	1·03	6	23	20	0	0	4	4	0	1	6	6	1·27	63
Fernhurst ...	9 9 9	188	48·6	36·5	42·5	–	54	29	28	2,22	43·4	–	8·12	–	1·82	6	26	22	0	0	0	2	2	9	10	1	1·06	–
Littlehampton ...	9 9 9	15	49·6	40·5	45·1	+3·5	53	19,20,25	30	2	–	49·0	7·13	240	·93	6	27	21	0	0	2	1	0	3	–	3	1·27	65
Worthing ...	9 9 9	25	49·6	40·7	45·1	+3·3	53	19,20	31	2	45·1	50·4	6·28	217	·83	6	26	20	0	0	4	4	1	1	9	2	1·16	57
Brighton ...	9 9 9	32	50·2	41·2	45·7	–	53	7,19,31	31	2	–	49·9	6·68	237	·65	6	27	21	0	0	3	1	2	1	3	2	0·92	–
East Grinstead ...	9 9 9	440	48·2	36·5	42·3	–	54	30	27	1	–	48·0	8·55	–	1·12	6	26	23	0	0	1	2	2	10	10	3	–	–
Seaford	9 9 9	45	49·8	40·2	45·0	–	53	7,20,26	29	2	–	–	7·16	233	1·20	8	24	24	–	–	–	–	3	3	–	–	0·83	–
Eastbourne ...	9 9 9	35	49·9	41·2	45·5	+3·3	54	20	30	2	46·5	51·3	7·74	232	·81	8	25	23	0	–	2	1	1	2	4	–	1·04	56
Eastbourne (C/guard)	21-9 9	17	49·9	42·7	46·3	–	55	20	29	2	–	–	7·58	–	·98	22	24	23	0	0	1	0	1	1	5	6	–	–
Hankham ...	9 9 9	68	49·5	38·7	44·1	–	54	19,20	29	2	46·0	48·7	8·41	–	1·00	8	26	23	0	0	7	2	1	5	9	3	1·04	–
Bexhill	9 9 9	14	49·5	40·5	45·0	+3·3	53	20,29	30	2,22	47·0	–	7·27	237	·81	8	24	23	0	0	3	2	1	0	4	4	0·85	–
Sedlescombe ...	9 9 9	175	47·7	37·7	42·7	–	52	16,20,29	28	2	–	–	9·23	–	1·11	8	26	23	0	0	3	3	2	4	10	5	–	–
Bodiam	9 9 9	73	49·3	37·6	43·5	–	54	20	28	22	44·2	48·4	9·04	–	1·05	22	27	23	–	0	–	–	3	6	9	–	0·85	–
Hastings ¶§	9 9 9	149	49·0	40·5	44·7	+2·9	53	20	31	2	(44·7)	49·3	7·07	227	·79	8	25	24	0	0	3	2	1	1	1	3	0·96	50
Berkshire Abingdon ...	21-9 9	210	48·5	38·7	43·6	–	54	16,20,29	27	2	–	–	4·47	221	1·07	14	23	18	0	0	0	0	2	3	11	0	1·47	–
Woolhampton ...	9 9 9	370	47·7	36·5	42·1	–	53	19,20	25	2	42·5	–	4·60	185	·57	6	24	21	0	0	1	1	3	4	11	0	–	–
Shinfield	9 9 9	200	48·3	37·1	42·7	+2·8	54	19,20	26	2	–	–	3·66	–	·47	25	25	20	0	0	2	2	5	4	10	7	1·37	–
Reading ... *	9 9 9	148	48·4	37·4	42·9	+2·4	54	19	27	2	42·7	46·8	4·08	177	·48	26	25	21	–	–	–	–	5	15	–	1·03	–
Finchampstead ...	9 9 9	212	48·4	37·0	42·7	–	54	16	26	2	43·4	47·2	4·07	–	·51	25	28	21	0	0	1	2	1	4	11	0	1·25	–
Wokingham ...	9 9 9	200	48·3	37·4	42·9	–	54	16,19	27	2	44·1	48·3	3·37	–	·48	25	23	20	0	0	1	2	4	6	–	0	–	–
Hurley	9 9 9	140	48·3	36·1	42·2	–	55	19,20	27	22	42·5	–	4·03	–	·55	26	23	21	0	0	1	1	4	8	13	0	0·91	–
Hampshire Bournemouth ...	9 9 9	130	50·5	40·3	45·4	+3·7	54	16,19,31	29	2	44·7	47·8	7·63	221	1·00	6	26	20	0	0	3	2	1	2	8	2	1·45	76
Christchurch ...	9 9 9	9	50·9	39·6	45·3	–	55	16	27	2	–	–	7·24	–	·97	6	23	21	0	0	2	2	0	3	12	2	–	–
Ringwood ...	9 9 9	250	49·0	38·7	43·9	–	53	16,20,29	29	2	43·1	48·4	8·06	–	1·64	6	28	22	1	0	4	3	1	2	13	1	–	–
Everton (Efford)	9 9 9	51	50·3	40·4	45·3	–	53	16,25,31	28	2	–	–	6·21	–	1·13	6	25	18	0	0	2	2	0	2	4	1	1·34	–
Southampton ¶§	9 9 9	65	51·0	39·1	45·1	+3·6	56	16	27	2	44·2	49·6	6·46	191	1·04	6	26	21	0	0	2	1	1	2	6	1	1·31	78
Leckford... ...	9 9 9	385	47·8	36·7	42·5	–	53	19,20,29	25	2	43·0	–	7·92	226	1·60	6	27	22	–	0	–	–	0	2	–	–	1·32	–
Winchester ...	9 9 9	124	49·2	36·8	43·0	–	54	17,19,29	28	2	–	47·4	7·81	228	1·53	6	28	22	0	0	0	1	1	6	10	0	1·14	– S
Martyr Worthy ...	9 9 9	275	49·2	37·6	43·4	–	54	16,20	27	2	–	–	7·10	–	1·50	6	27	22	0	0	1	1	0	4	5	1	1·36	–
Southsea ...	9 9 9	7	50·4	41·9	46·1	+3·6	55	20	34	13	45·8	49·0	7·11	235	1·09	26	24	20	0	0	1	1	2	0	6	1	1·40	73
Hayling Island ...	9 9 9	13	49·7	41·2	45·5	–	53	17,20,25	31	2	–	–	6·72	–	·85	26	25	22	0	0	5	3	0	2	–	6	1·46	–
Long Sutton ...	9 9 9	512	47·6	37·2	42·4	+3·1	57	20	30	6	42·0	–	6·28	196	1·09	6	27	23	0	0	0	2	1	4	13	2	0·86	62 S
Alice Holt Lodge	9 9 9	378	47·8	36·5	42·1	–	53	19,20,29	25	2	–	–	6·36	194	1·08	6	25	22	0	0	1	1	3	9	14	0	0·96	–
S. Farnborough ...	21-9 9	226	48·1	39·6	43·9	+3·8	53	16,20,29	26	2	–	–	4·50	166	·71	6	23	21	0	0	1	2	1	3	8	1	0·45	30
Blackbushe ...	21-9 9	325	47·7	39·6	43·7	–	53	16,19,29	28	2	–	–	4·34	–	·73	6	25	19	0	0	0	2	1	3	3	0	–	–
I. of Wight St. Catherine's Pt.	9 9 9	51	50·6	44·6	47·6	+4·9	53	17,25,30	38	13	–	–	7·42	226	1·26	5	25	21	0	0	2	2	0	0	–	6	–	–
Ventnor Park ...	9 9 9	443	50·5	42·4	46·5	–	53	16,25,29	35	13	46·4	50·7	7·93	220	1·42	5	25	22	0	0	4	4	0	0	1	0	1·28	–
Shanklin	9 9 9	180	50·0	41·5	45·7	–	54	20	32	2,13	–	–	8·97	–	1·53	5	25	22	0	0	3	8	0	2	–	2	1·43	–
Sandown ...	9 9 9	13	50·7	42·2	46·5	+3·5	54	16,19,20	33	2,13	–	–	8·71	254	1·50	5	24	22	0	0	4	3	0	0	–	–	1·38	71
Ryde	9 9 9	15	50·7	41·7	46·2	+3·5	55	20	32	2	–	–	8·53	249	1·08	5	26	22	0	0	5	4	0	1	–	5	0·95	52
Wiltshire Lacock (Lackham)	9 9 9	160	48·8	37·1	42·9	–	55	19	27	13	–	–	5·89	–	·90	14	26	21	–	0	–	–	1	7	–	–	–	–
West Lavington	9 9 9	305	48·9	36·8	42·9	–	54	14,19	26	2	–	–	7·21	239	1·51	14	27	24	0	0	1	1	1	3	–	0	–	–
Lyneham ...	21-9 9	457	47·1	38·6	42·9	–	53	19	28	13	–	–	6·27	229	1·00	14	26	21	0	0	1	0	2	3	5	0	1·47	–
Larkhill	9 9 9	431	47·9	36·9	42·4	+3·0	53	19,20,29	23	2	–	–	7·89	266	1·55	14	26	23	0	0	0	1	3	4	9	0	–	–
Boscombe Down	21-9 9	414	47·8	38·3	43·1	–	53	19,20,29	24	2	–	–	7·49	248	1·16	6	25	22	0	0	1	1	3	4	10	0	1·06	–
Upavon	21-9 9	578	46·5	37·7	42·1	–	52	29	28	2,13	–	–	7·16	–	1·55	14	25	22	1	0	0	1	6	5	8	0	–	–
Porton ... ¶§	9 9 9	362	48·1	36·7	42·4	+3·2	53	19,29	23	2	42·9	–	7·64	240	1·52	6	27	24	0	0	2	1	2	5	12	1	1·29	73
7a ENGLAND, N.W.																												
Cumberland Sellafield ...	9 9 9	43	45·6	39·8	42·7	–	51	16,19	33	5	–	–	6·52	152	·69	16	28	28	–	0	–	–	0	0	4	–	0·79	–
Silloth	21-9 9	25	46·5	38·6	42·5	–	52	29	29	5	–	–	4·63	148	·67	25	24	21	0	0	5	0	1	3	5	1	0·61	–
Keswick ... ¶§	9 9 9	254	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Newton Rigg ...	9 9 9	560	44·9	35·8	40·3	+2·0	51	16,29	31	4,5	–	–	5·43	164	·92	25	23	23	–	0	–	–	1	5	6	–	0·65	61 S
Westmorland Ambleside ...	9 9 9	151	46·0	37·3	41·7	–	52	29	31	5,6	–	–	15·63	193	1·49	25	26	24	1	0	0	0	1	3	–	1	0·46	– S
Moor House ...	9 9 9	1840	39·2	32·3	35·7	–	45	16,19,31	29	4	38·4	–	12·57	–	1·55	25	29	26	12	5	0	0	7	18	12	9	0·40	–
Lancashire Barrow-in-Furness	9 9 9	55	47·6	37·8	42·7	–	52	29	32	4,5	–	–	7·13	–	·70	8	27	25	0	0	0	0	4	2	–	0	–	–
Squires Gate ...	21-9 9	33	47·1	39·1	43·1	–	52	31	29	2	–	–	6·11	194	1·00	19	26	22	0	0	0	0	2	5	4	3	0·94	–
Urswick	9 9 9	130	46·2	37·5	41·9	–	50	16,29	31	2,5	–	–	8·31	–	·97	19	28	23	0	0	1	0	5	2	–	9	–	–
Poulton-le-Fylde	9 9 9	38	47·9	38·5	43·2	–	52	16,19,31	32	2,6	–	–	7·09	–	1·02	19	26	25	0	0	0	0	1	2	–	1	–	–
Speke	21-9 9	80	47·3	40·0	43·7	–	55	16	33	6,12,13	–	–	4·29	–	·54	7	28	24	0	0	1	1	1	0	5	3	0·84	–
Kirkham ...	9 9 9	77	47·5	37·6	42·5	–	52	16,31	31	2	–	–	7·48	216	1·18	19	27	23	0	0	1	0	3	1	7	0	0·96	–
Garstang ...	9 9 9	68	47·1	38·4	42·7	–	52	16,19,20	28	5	–	–	8·15	–	1·10	19	25	22	–	0	–	–	6	2	3	–	0·86	–
Morecambe ...	9 9 9	24	46·5	40·0	43·3	+2·6	51	31	36	22	–	–	7·79	215	·96	8	25	21	0	0	1	0	5	0	–	0	(0·80	64)
Preston (Moor Pk.)	9 9 9	108	47·5	38·5	43·0	–	53	19,20	30	2,5	–	–	6·73	188	·91	26	27	22	0	0	2	0	5	2	6	5	–	–
Bolton	9 9 9	352	45·6	36·5	41·1	+1·4	53	31	35	5	42·5	45·9	8·20	–	·82	19	25	21	0	0	0	0	4	3	11	0	0·76	–

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	Earth Temperature 1 ft.	Earth Temperature 4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Most in a day: Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
7a	ENGLAND, N.W.—cont.																												
Lancashire— cont.	Darwen	9 9 9	724	45·0	36·0	40·5	+1·8	50	16,17,20	32	24	40·6	–	11·28	214	1·38	26	24	21	0	0	1	0	1	0	7	0	–	–
	Stonyhurst ¶§	9 9 9	377	45·7	37·8	41·7	+2·2	51	19,20	34	5,6,22	–	–	6·97	157	1·33	26	21	21	0	0	1	0	0	0	4	0	0·81	73
	Helmshore ...	9 9 9	854	43·7	36·3	40·0	–	49	16,19,29	33	13	41·5	–	11·76	–	1·38	26	27	21	0	0	0	0	5	1	7	6	0·81	–
	Burnley	9 9 9	655	44·6	36·8	40·7	–	51	19	31	2,5	42·1	46·3	7·48	–	1·45	26	22	22	0	0	0	0	1	2	6	0	0·79	–
	Nelson	9 9 9	540	44·9	37·6	41·3	–	51	19	33	2	41·6	46·3	7·49	179	1·29	26	25	22	–	0	–	–	0	0	4	–	0·39	–
	Rochdale ...	9 9 9	362	45·9	37·0	41·5	–	51	16,19,31	29	6	–	–	7·52	–	·97	20	25	21	0	0	0	0	8	4	10	2	0·57	–
Cheshire	West Kirby Park	9 9 9	17	48·0	38·0	43·0	–	55	30	32	13	–	–	3·88	–	·45	26	28	23	–	0	–	–	–	1	16	–	0·91	–
	Bidston Obs'y. ¶§	9 9 9	198	47·2	39·0	43·1	+1·9	54	29	34	6	–	–	4·25	162	·35	4	28	23	0	–	0	0	0	0	0	0	0·96	74
	Wallasey ...	9 9 9	57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Northwich(Winnington)	9 9 9	65	47·7	38·5	43·1	–	54	29,31	31	13	–	–	4·72	173	·68	8	28	22	0	0	0	0	0	1	7	3	–	–
	Manchester Airport ¶§	21-9 9	248	46·3	39·1	42·7	+2·8	53	19,29	32	5,12	–	–	4·72	172	·46	20	26	21	0	0	2	0	2	2	1	0	1·08	121
	Macclesfield ...	9 9 9	500	45·1	37·3	41·2	+2·5	51	16,20	32	5	–	–	5·61	177	·63	31	27	24	4	0	0	1	2	1	–	4	–	–
7b	NORTH WALES																												
Flint	Rhyl	9 9 9	31	48·8	38·1	43·5	+1·1	54	19,29,31	33	6	–	–	3·23	130	·52	26	27	20	0	0	2	0	0	0	2	4	0·79	59
	St. Asaph ...	9 9 9	75	48·6	38·4	43·5	–	55	29	32	6	–	–	3·68	–	·51	26	28	27	–	–	–	–	1	1	17	–	–	–
	Prestatyn ...	9 9 9	12	49·5	39·7	45·6	–	57	31	33	12	–	–	3·65	137	·32	19,26	27	24	0	0	0	0	0	0	–	5	0·63	–
	Hawarden Bridge	9 9 9	17	48·0	37·3	42·7	+1·7	55	19	30	13	–	–	4·46	181	·52	25	27	23	0	0	1	0	2	3	–	0	–	–
Anglesey	Holyhead (Valley)	21-9 9	26	49·0	42·6	45·8	+1·3	53	6	35	1	–	–	6·14	174	·95	19	28	25	0	0	2	0	0	0	4	7	0·98	75
Denbigh	Colwyn Bay ...	9 9 9	118	49·7	40·7	45·2	+1·9	56	19,29	36	10	–	–	4·23	144	·71	19	28	18	0	0	0	0	0	0	–	0	0·73	58 S
	Alwen	9 9 9	1100	47·0	29·8	38·4	–	54	13	22	2	–	–	9·77	–	1·17	26	30	27	–	–	–	–	–	22	15	–	–	–
	Bwlchgwyn ...	9 9 9	1267	43·6	34·7	39·1	–	50	15,31	31	12	41·5	–	9·31	–	1·20	5	29	24	0	0	0	0	3	2	–	0	–	–
	Ruabon	9 9 9	312	47·8	37·0	42·4	–	55	16	31	10	–	–	6·29	–	·79	25	25	23	1	0	0	0	1	3	13	3	0·90	– S
	Wrexham ...	9 9 9	275	47·4	36·9	42·1	–	55	16	31	2	41·5	45·8	5·37	–	·74	25	28	24	1	0	1	0	7	3	17	0	–	–
Caernarvon	Bryn Adda ...	9 9 9	275	(48·6)	39·7	(44·1)	–	(54)	(29,30)	34	1	–	–	6·51	–	1·26	19	28	23	0	0	1	0	0	0	11	2	0·60	–
	Aber	9 9 9	60	50·5	41·0	45·7	+1·7	56	29,30	36	1,6	–	–	6·67	155	·86	19	28	22	2	0	4	1	0	0	–	7	0·26	45 S
	Llandudno ¶§	9 9 9	13	49·6	41·1	45·3	+1·6	56	16,29	37	1,13,28	–	–	4·46	153	·68	3	27	18	0	0	1	0	0	0	–	6	0·80	63
Merioneth	Harlech	21-9 9	754	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Blaenau Ffestiniog	9 9 9	750	46·4	38·2	42·3	–	51	31	33	28	–	–	16·39	–	1·47	16	31	30	0	0	4	0	1	0	–	3	0·55	–
	Corwen	9 9 9	473	46·9	34·8	40·9	–	54	16	25	2	–	–	10·12	–	1·58	25	27	26	0	0	4	0	–	10	5	–	–	–
Montgomery	Lake Vyrnwy ...	9 9 9	995	44·1	35·3	39·7	–	50	16,19,29	30	2	–	–	13·99	195	1·71	25	30	29	2	0	3	1	2	6	10	8	–	–
8a	SOUTH WALES																												
Cardigan	Aberporth ...	21-9 9	376	47·9	41·5	44·7	–	54	29	34	1	–	–	5·86	131	·53	19	27	25	0	0	3	1	0	0	1	3	1·14	–
	Aberystwyth ...	9 9 9	12	49·4	41·3	45·3	–	54	6	34	1	–	–	5·88	–	·98	25	30	27	0	0	12	8	0	0	–	17	1·09	74
	,, P.B.S.*	9 9 9	452	48·0	40·0	44·0	–	52	6,19,31	34	1	–	–	6·04	–	·85	25	29	28	0	0	2	0	0	0	3	0	1·04	69
	Gogerddan ...	9 9 9	103	49·3	39·5	44·4	–	54	6,19,31	30	1	–	–	6·14	154	·80	19	29	26	0	0	2	1	0	4	7	0	0·96	– S
	Swyddffynnon ...	9 9 9	540	47·0	37·9	42·5	–	52	19,29	31	13,14	–	–	7·86	–	·65	19	29	25	0	0	2	0	1	2	9	0	–	–
	Trawscoed ...	9 9 9	200	48·9	38·2	43·5	–	55	29	29	1,2	–	–	7·37	151	·75	31	28	28	0	0	0	0	0	4	8	0	0·81	–
	Llety-evan-hen ...	9 9 9	950	45·5	36·1	40·8	–	53	31	31	1	–	–	8·11	–	1·12	25	29	27	0	0	4	1	0	3	5	0	0·74	–
Pembroke	Dale Fort ...	9 9 9	109	50·1	43·9	47·0	–	53	6,16,19	39	1	–	–	4·71	–	·71	6	27	23	0	0	1	1	0	0	0	10	1·18	–
	Brawdy	9 9 9	360	48·6	40·3	44·5	–	52	19,29	34	2	–	–	7·77	–	·79	2	26	26	0	0	4	0	1	0	2	8	1·22	–
	Milford Haven ...	9 9 9	179	49·8	41·9	45·9	–	53	6,19,29	37	1	–	–	6·38	–	·71	6,25	27	25	0	0	1	1	0	0	–	4	1·12	–
	Haverfordwest ...	9 9 9	131	49·9	40·3	45·1	+2·2	54	1,29	30	16	–	–	8·08	157	·79	6	30	27	0	0	0	0	1	2	–	0	–	–
Radnor	Llandrindod Wells ¶§	9 9 9	772	46·2	36·5	41·3	+2·2	51	6,19,29	27	2	–	–	7·92	182	·68	19	29	28	0	0	0	0	0	3	–	0	0·92	80
Brecknock	Llwynon ...	9 9 9	860	45·8	35·6	40·7	–	51	16,19,29	28	2	–	–	16·10	–	1·61	19	29	26	0	0	1	1	0	8	–	0	–	–
Glamorgan	Mumbles Head ...	21-9 9	117	49·7	42·9	46·3	–	53	6,19,20	38	12	–	–	–	–	–	–	–	–	0	0	7	4	0	0	1	10	–	–
	Swansea	9 9 9	27	50·0	41·4	45·7	+2·3	56	8	36	2,21	44·5	49·6	8·66	192	·94	19	29	27	0	0	3	2	3	0	4	1	1·16	78
	Port Talbot ...	9 9 9	24	50·2	41·1	45·7	–	55	31	30	2	–	–	8·83	–	·91	19	27	25	0	0	2	1	0	2	2	–	1·07	–
	Neath	9 9 9	153	50·1	40·7	45·4	–	54	19,29	33	2	–	–	10·78	–	1·20	19	29	26	0	0	3	4	0	0	7	1	–	–
	Rhoose	21-9 9	220	48·0	41·3	44·7	–	53	19	33	12	–	–	6·40	183	·82	20	28	25	0	0	3	1	0	0	3	2	0·98	–
	Cardiff ... ¶§	9 9 9	202	48·1	39·7	43·9	+2·3	53	29,31	33	2	45·1	49·7	8·99	207	·97	19	27	25	0	–	8	2	0	0	6	–	1·19	76
Monmouth	Tredegar ...	9 9 9	1028	45·4	36·1	40·7	–	51	19,29	29	2	–	–	17·12	–	2·20	6	27	26	2	0	4	3	9	5	14	6	0·67	– S
	Newport	9 9 9	75	48·7	39·2	43·9	–	54	29	33	2,13	–	–	8·46	204	1·03	19	27	26	0	0	1	1	0	0	–	0	1·08	–
	Usk	9 9 9	70	48·9	37·5	43·2	–	55	29	26	2	43·0	–	11·87	287	1·46	6	25	25	0	0	0	0	1	7	11	0	1·00	–
	Crumbland Plantation	9 9 9	804	45·5	37·2	41·3	–	51	29,31	33	13	41·6	45·7	10·34	–	1·04	19	26	23	0	0	2	0	7	1	7	2	1·16	–
8b	ENGLAND, S.W.																												
Somerset	Hawkridge (Liscombe)	9 9 9	1030	45·8	36·7	41·3	–	52	16	31	2	–	–	12·81	–	1·35	6	30	26	1	–	–	–	3	4	–	–	–	–
	Bickenhall ...	9 9 9	231	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Cannington ...	9 9 9	95	49·6	40·3	44·9	–	55	25	27	2	–	–	5·67	190	·81	14	25	22	0	0	0	1	0	1	7	5	1·53	–
	Weston-s.-Mare ...	9 9 9	28	49·0	40·4	44·7	–	55	31	31	2	–	–	5·88	192	·68	14	25	23	0	0	1	2	0	1	5	7	1·25	82
	Long Ashton ...	9 9 9	162	49·5	39·0	44·3	+3·1	55	29	28	2	43·8	–	7·00	199	·71	20	25	21	0	0	2	2	0	2	10	2	1·28	88
	Bath ... ¶§	9 9 9	67	49·5	38·2	43·9	+2·7	55	19,29	28	2	43·9	48·2	6·45	220	·66	14	29	22	0	0	0	0	1	4	11	–	1·04	71 S
Dorset	Portland Bill ...	21-9 9	35	50·6	45·9	48·3	+3·1	57	3	37	13	–	–	6·24	204	·95	7	25	20	0	0	2	2	0	0	–	15	–	–
	Weymouth ...	9 9 9	16	51·5	42·5	47·0	+3·5	57	9	33	2,13	–	–	7·57	217	1·04	7	27	21	0	0	2	2	0	0	–	4	1·67	92
	Shaftesbury ...	9 9 9	680	48·1	36·3	42·2	+2·5	59	20	30	1	–	–	8·32	239	1·70	14	23	22	–	–	–	–	0	4	–	0	–	–
	Swanage	9 9 9	37	51·4	40·9	46·1	–	55	17,18	33	13	–	51·0	7·45	–	·82	6	26	25	0	–	2	2	0	0	0	11	1·48	–
	Poole	9 9 9	18	50·5	38·7	44·6	–	56	7	29	2	–	–	8·18	–	1·10	6	27	23	0	0	3	0	0	5	–	5	1·45	–
Devon	Hartland Pt. ...	21-9 9	298	49·1	43·8	46·5	–	53	6,19,31	37	9	–	–	7·22	–	·67	19	29	25	0	0	5	2	0	0	0	10	0·77	–
	Plymouth (Mt. Batten)	21-9 9	87	50·7	42·7	46·7	+2·0	55	29	32	2	–	–	8·34	185	·78	6	28	23	0	0	7	1	1	1	6	9	1·37	78
	Plymouth (The Hoe)	9 9 9	119	51·1	41·5	46·3	+2·1	55	28	33	2	46·3	50·4	8·54	191	·80	5	28	26	0	0	0	0	2	0	6	1	1·67	94
	Tavistock ...	9 9 9	457	48·5	38·8	43·7	+1·5	52	19,25	29	2	–	47·5	11·19	–	1·16	6	27	27	–	–	–	–	1	2	14	–	–	–
	Chivenor ...	21-9 9	20	49·9	43·3	46·6	–	55	6,19,31	35	13	–	–	6·39	–	·59	19	28	25	0	0	0	9	1	0	0	1	6	1·04	–
	Ilfracombe ...	9 9 9	25	50·2	44·2	47·2	+2·1	55	6,7	39	24	45·7	50·4	8·65	197	·85	19	27	26	0	0	0	3	1	0	0	2	0·78	61
	Princetown ...	9 9 9	1359	46·2	37·3	41·7	–	52	27	34	1,12,24	–	–	19·49	190	2·00	6	29	29	0	0	2	2	7	0	4	0	–	–
	**Tottes	9 9 9	120	50·6	38·4	44·5	–	55	19,29	26	2	45·7	49·8	12·36	219	1·28	19	28	26	1	0	4	3	1	5	15	0	1·53	–
	†Newton Abbot ...	9 9 9	272	50·2	39·6	44·9	+2·4	56	26	29	2	–	–	9·28	197	1·09	19	27	23	0	0	1	1	1	1	9	2	1·63	88
	Paignton... ...	9 9 9	8	51·0	40·6	45·8	–	56	29	32	2	–	–	9·10	203	·89	6	28	25	0	0	1	1	0	1	13	2	1·70	97
	Torquay	9 9 9	26	51·0	41·1	46·1	+1·9	55	19,25,29	33	2	–	49·5	8·16	200	·84	6	26	24	0	0	2	1	0	0	11	7	1·88	98
	Teignmouth ¶§	9 9 9	20	51·2	42·4	46·8	+2·4	56	29	31	2	–	–	6·65	173	·74	14	27	23	0	0	2	0	0	1	3	4	1·69	89

¶§. S *See* Notes on Tables in the Introduction. * Plant Breeding Station. ** Dartington Hall. † Seale-Hayne College.

TABLE III (*continued*)—SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL, SUNSHINE AND WEATHER DECEMBER 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation Max. Min. Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	Means of B Min.	Mean Temperature Mean of A and B	Difference from Average	Highest Maximum and Lowest Minimum: Maximum	Date	Minimum	Date	EARTH TEMPERATURE 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01in.(0·2mm.) or more	Precip'n ·04in.(1·0mm.) or more	Snow or Sleet	Snow lying	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Daily Mean	Percentage of Average
		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
8b	ENGLAND, S.W.—cont.																												
Devon—cont.	Starcross... ...	9 9 9	29	50·2	40·7	45·5	–	57	29	29	2	–	–	7·16	–	·78	6	25	23	0	0	1	1	0	2	11	12	1·69	–
	Exmouth ...	9 9 9	195	49·9	41·0	45·5	+2·7	56	29	30	2	–	–	6·54	177	·85	6	27	22	0	0	0	1	0	1	–	3	1·78	97
	Exeter	21–9 9	106	50·0	41·1	45·5	–	58	29	28	2	–	–	6·77	184	1·41	6	26	21	0	0	1	1	0	2	8	1	1·52	–
	Ufculme... ...	9 9 9	400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Sidmouth. ...	9 9 9	25	51·2	41·1	46·1	+3·0	56	29	32	2	–	–	6·25	–	·82	14	25	22	–	0	–	–	0	1	1	–	1·69	–
Cornwall	St. Mary's, Scilly	21–9 9	158	51·0	46·1	48·5	+1·3	54	6,25	42	1, 28	–	–	8·29	236	1·03	6	30	26	0	0	5	1	0	0	–	19	1·48	83 S
	Penzance ...	9 9 9	62	52·2	43·5	47·9	+1·7	55	6,25,29	35	2	–	–	10·26	212	1·22	28	31	29	0	0	12	4	0	0	–	8	1·62	91
	Gulval	9 9 9	50	51·8	43·0	47·4	+1·9	55	6,25,29	35	2	–	–	9·63	–	1·06	28	30	28	0	0	8	2	1	0	–	0	1·35	78
	Camborne (Rosewarne)	9 9 9	250	50·3	43·3	46·8	–	54	5,6,29	36	1	46·3	49·3	9·86	–	1·26	6	30	28	0	0	4	1	0	0	2	1	1·03	–
	Constantine ...	9 9 9	310	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Falmouth ¶§	9 9 9	167	51·1	42·5	46·8	+1·8	55	25,29	37	2	–	–	10·57	200	·95	19	31	29	0	0	7	1	0	0	2	2	1·42	80
	Newquay ...	9 9 9	176	50·7	43·3	47·0	+2·5	54	6,19,29	36	2	–	–	7·96	208	·93	6	29	26	0	–	6	2	–	0	–	8	0·95	57
	St. Mawgan ...	21–9 9	337	49·6	42·8	46·2	–	53	6,25,31	35	2	–	–	9·17	–	1·23	6	29	26	1	0	12	3	0	0	1	8	1·11	–
	St. Austell ...	9 9 9	310	50·4	41·2	45·8	–	55	29	35	2	–	–	9·45	168	1·32	6	30	28	0	–	4	0	2	0	–	0	–	–
	Fowey	9 9 9	51	51·7	42·4	47·1	+2·3	55	29	34	1,2	–	–	7·42	–	·68	6	29	25	0	0	1	1	1	0	–	6	–	–
	Bude	9 9 9	50	51·5	42·4	46·9	+2·8	55	6,19,31	33	2	–	–	7·22	190	·67	19	28	27	0	0	7	2	–	0	–	6	0·99	59
	Ellbridge ...	9 9 9	190	50·4	39·2	44·8	–	55	29	29	2	–	–	9·63	–	·96	6	29	26	0	0	0	1	1	3	11	1	1·30	–
	NORTHERN IRELAND																												
Londonderry	Ballykelly ¶§	21–9 9	3	46·7	38·8	42·7	0·0	54	31	29	5,6	–	–	3·59	101	·31	20	27	23	2	0	1	0	0	3	12	0	1·14	88
	Garvagh ¶	9 9 9	121	45·9	35·0	40·5	+0·1	52	29,30,31	28	5	41·9	–	5·21	119	·70	20	27	25	2	0	3	0	2	10	17	2	–	–
Antrim	Aldergrove ¶§	21–9 9	217	45·4	37·6	41·5	+0·8	52	31	29	6	–	–	5·27	149	·54	20	26	23	1	0	1	0	1	6	7	1	1·12	96
	Nutts Corner ...	21–9 9	338	44·8	37·4	41·1	–	52	29,31	31	1,6,9	–	–	6·65	–	·80	6	26	23	1	0	0	0	1	6	10	1	–	–
	Parkmore Forest	9 9 9	779	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Down	Hillsborough §	9 9 9	388	46·3	36·4	41·3	–	52	16,29	31	5	43·0	–	5·17	143	1·28	6	26	21	0	0	0	0	0	3	10	0	1·27	99
	Kilkeel	21–9 9	59	47·7	39·4	43·5	–	53	29	32	9	–	–	4·47	–	·35	11	24	23	0	0	0	0	0	1	10	5	–	–
	Belfast (Stormont Castle) ...	9 9 9	200	47·2	36·1	41·7	–	52	16,19,31	32	5,6,15	–	–	5·24	–	·72	6	25	23	0	0	0	0	–	3	–	0	–	–
Armagh	Armagh ... ¶§	9 9 9	205	47·3	36·5	41·9	+0·8	53	6,16,29	31	6,7	40·9	45·6	4·57	146	·60	6	27	25	0	0	0	0	1	4	11	1	1·32	116
	Loughgall ...	9 9 9	91	47·3	35·2	41·3	–	54	29	25	5	–	–	3·74	–	·49	19	26	25	1	0	0	0	–	9	17	0	1·31	–
Fermanagh	Ely Lodge ...	9 9 9	165	46·7	35·3	41·0	–	53	16,29,31	29	12	42·0	47·5	6·94	–	·68	19	26	25	1	0	1	0	0	11	13	0	–	–
	CHANNEL ISLES																												
Guernsey	States Airport ...	9 9 9	340	50·6	43·7	47·1	–	54	25	39	13,23	47·1	51·4	8·52	216	·80	22	27	26	0	0	10	4	0	0	1	2	1·28	–
Alderney	States Airport ...	9 9 9	288	51·1	43·9	47·5	–	54	25	40	13	47·9	–	7·17	–	·61	6	28	26	1	0	11	5	1	0	–	17	1·38	–
Jersey	Jersey Airport ...	9 9 9	273	51·0	43·7	47·3	–	55	25	38	1,13	–	–	7·02	181	·66	20	27	25	0	0	10	3	0	0	1	13	1·13	–
	St. Helier ...	9 9 9	28	51·9	44·5	48·2	–	56	17	38	13	–	–	6·68	188	·68	3	28	24	0	0	1	1	0	0	–	5	1·55	–

TABLE IV—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
0 SCOTLAND, N.			3	272	994·2	–	41·1	1·1	7·9	89	6·5	1	3	4	5	18	0
			9	272	994·5	-12·3	41·6	1·6	7·7	86	6·4	0	0	9	12	10	0
Zetland	Lerwick Observatory	H	15	272	994·9	–	41·4	1·6	7·6	86	6·6	0	2	3	15	11	0
			21	272	994·7	–	41·8	1·5	7·9	88	6·4	0	5	3	6	17	0
			3	94	992·7	–	41·2	1·1	8·0	91	5·8	0	6	5	9	11	0
			9	94	993·5	–	41·2	1·1	7·9	90	5·9	0	5	3	15	8	0
Orkney	Grimsetter..	H	15	94	993·3	–	42·1	1·2	8·2	91	6·2	0	3	5	14	9	0
			21	94	993·1	–	41·2	1·0	8·1	92	5·5	0	5	7	11	8	0
			3	121	993·2	–	40·8	1·9	7·2	84	5·1	1	7	6	7	10	0
			9	121	993·9	-13·7	41·6	2·0	7·4	83	5·3	0	8	6	10	7	0
Caithness	Wick ..	H	15	121	993·8	–	42·4	2·0	7·6	83	6·5	0	1	5	18	7	0
			21	121	993·3	–	41·9	1·9	7·6	84	5·7	0	4	7	11	9	0
			3	371	990·4	–	42·2	1·1	8·3	90	5·7	0	4	9	9	9	0
			9	371	991·0	–	41·7	1·1	8·2	91	6·1	0	1	10	9	11	0
Sutherland	Cape Wrath ..		15	371	991·1	–	42·0	1·2	8·3	90	6·5	0	1	6	13	11	0
			21	371	990·7	–	41·9	1·3	8·2	89	6·0	0	2	10	6	13	0
			3	16	990·6	–	42·3	1·3	7·9	86	4·8	0	12	4	7	8	0
			9	16	991·1	-15·9	41·6	1·4	7·9	88	5·3	0	6	8	7	10	0
Ross & Cromarty	Stornoway	H	15	16	990·7	–	43·4	1·8	8·2	85	5·6	0	3	9	13	6	0
			21	16	990·4	–	41·8	1·8	7·7	85	5·0	0	10	3	7	11	0
			3	21	990·3	–	43·7	1·9	8·2	85	5·5	0	6	7	8	10	0
			9	21	990·7	–	42·9	1·6	8·1	87	5·9	0	2	9	14	6	0
Inverness	Benbecula..	H	15	21	990·0	–	43·6	1·3	8·5	88	6·0	0	2	9	14	6	0
			21	21	990·1	–	43·0	1·9	8·0	86	5·9	0	4	7	9	11	0
1 SCOTLAND, E.																	
			3	19	993·2	–	38·6	1·8	6·7	84	5·3	1	5	6	11	8	0
			9	19	993·6	–	37·9	1·8	6·6	85	5·6	0	4	9	12	6	0
Moray	Kinloss ..	H	15	19	993·2	–	41·2	2·1	7·2	82	6·2	0	2	6	17	6	0
			21	19	992·8	–	40·4	2·1	7·0	82	5·8	0	6	3	14	8	0
			3	193	994·7	–	39·5	1·3	7·3	88	5·6	3	4	4	6	14	0
			9	193	995·6	-13·8	38·5	1·4	6·9	88	6·3	0	3	4	14	10	0
Aberdeen	Dyce ..	H	15	193	995·0	–	41·6	1·7	7·7	86	6·5	0	2	4	14	11	0
			21	193	994·4	–	40·8	1·3	7·7	89	5·8	1	7	3	3	17	0
			3	108	993·5	–	40·5	1·5	7·4	86	5·2	0	4	12	8	7	0
			9	108	994·2	–	40·1	1·4	7·4	87	5·8	0	2	9	14	6	0
	Rattray Head ..		15	108	994·0	–	42·2	1·7	7·9	86	6·0	0	2	7	17	5	0
			21	108	993·3	–	41·6	1·6	7·7	85	5·9	0	4	7	8	12	0
			3	38	994·1	–	39·9	1·1	7·6	90	5·2	5	3	5	3	14	1
			9	38	994·8	-15·4	39·8	1·2	7·5	90	6·2	0	4	4	10	13	0
Fife	Leuchars ..	H	15	38	994·0	–	42·4	1·5	8·1	88	6·7	0	1	4	14	12	0
			21	38	993·6	–	41·3	1·1	8·1	91	6·4	0	5	3	4	19	0
			3	114	994·4	–	40·2	1·5	7·4	87	5·8	2	3	5	6	15	0
			9	114	995·1	–	40·0	1·5	7·3	87	6·2	0	1	10	8	12	0
Midlothian	Turnhouse	H	15	114	994·1	–	42·3	1·9	7·7	83	6·5	0	3	2	18	8	0
			21	114	993·9	–	41·2	1·6	7·6	86	6·2	2	1	6	7	15	0
6a SCOTLAND, W.																	
			3	34	991·2	–	44·0	1·9	8·3	84	5·5	1	8	2	7	13	0
			9	34	991·6	-17·0	43·6	1·5	8·5	88	6·5	0	1	5	16	9	0
Argyll	Tiree ..	H	15	34	990·5	–	45·1	1·8	8·8	86	6·5	0	4	2	13	12	0
			21	34	990·6	–	44·2	1·7	8·5	86	5·5	1	7	5	5	13	0
			3	122	992·3	–	44·3	1·9	8·4	85	5·8	0	4	8	6	13	0
			9	122	992·6	–	43·9	1·4	8·7	89	6·4	0	3	2	14	12	0
	Rhuvaal	H	15	122	991·4	–	45·1	1·7	8·8	86	6·3	0	2	7	8	14	0
			21	122	991·2	–	44·3	1·6	8·7	88	5·6	0	5	7	8	11	0
			3	29	994·0	–	41·1	1·2	7·9	89	7·0	0	0	4	10	15	2
			9	29	994·6	-16·3	41·1	1·2	7·9	89	7·0	0	0	4	12	13	2
Renfrew	Renfrew ..	H	15	29	993·4	–	42·9	1·6	8·1	87	7·0	0	0	5	10	15	1
			21	29	993·4	–	41·9	1·4	8·0	88	6·3	2	2	4	7	15	1
			3	33	993·8	–	42·4	1·8	7·9	85	6·1	1	3	5	9	13	0
			9	33	994·3	–	42·0	1·8	7·8	85	6·4	0	2	5	14	10	0
Ayr	Prestwick Airport	H	15	33	993·0	–	44·6	2·4	8·0	80	6·7	0	1	4	16	10	0
			21	33	993·8	–	43·3	1·9	8·0	83	6·1	2	1	5	12	11	0
			9	778	996·4	-15·3	37·8	0·5	7·3	94	6·8	0	1	5	6	19	0
Dumfries	Eskdalemuir	H	15	778	995·3	–	40·1	1·0	7·7	91	7·1	0	1	2	13	15	0
			21	778	995·3	–	39·5	0·8	7·8	94	6·9	0	3	1	7	20	0
			3	260	993·8	–	44·6	1·2	9·1	91	6·0	0	3	8	6	14	0
			9	260	993·8	–	44·2	1·1	8·9	91	6·5	0	1	8	6	16	0
Wigtown	Mull of Galloway	H	15	260	992·5	–	45·1	1·6	8·9	87	6·9	0	1	4	7	19	0
			21	260	993·4	–	44·7	1·2	9·2	91	5·6	0	6	8	3	14	0
6b ISLE OF MAN																	
			3	31	994·4	–	45·0	1·4	9·2	90	5·4	0	5	9	7	10	0
			9	31	994·8	–	44·5	1·4	8·8	88	6·3	0	1	8	14	8	0
Isle of Man	Point of Ayre ..		15	31	993·3	–	46·3	1·8	9·3	86	6·1	0	2	9	9	11	0
			21	31	994·2	–	45·1	1·4	9·3	90	5·6	0	6	5	11	9	0
			3	68	995·3	–	45·2	2·0	8·7	85	5·5	2	5	6	4	14	0
			9	68	995·4	–	45·7	2·2	8·8	84	6·6	0	1	8	6	16	0
	Ronaldsway	H	15	68	994·1	–	46·7	2·2	8·9	83	6·3	0	2	5	12	12	0
			21	68	995·0	–	45·8	2·1	8·9	84	5·1	1	7	7	3	13	0
2 ENGLAND, N.E.																	
			3	142	995·5	–	40·1	1·4	7·5	89	5·6	5	3	1	7	15	0
			9	142	996·4	–	39·9	1·3	7·4	88	6·6	0	3	2	12	14	0
Northumberland	Acklington	H	15	142	998·8	–	42·3	1·8	7·8	85	6·5	0	2	4	13	12	0
			21	142	995·1	–	40·9	1·4	7·7	88	5·7	2	4	6	4	15	0

DISTRICT, COUNTY AND PLACE			VISIBILITY: Number of Observations 0–44 yd.	45–219 yd.	220–439 yd.	440–1,099 yd.	1,100–2,199 yd.	2,200–4,399 yd.	3–6 mi.	7–12 mi.	13–24 mi.	25 mi. or over	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0 SCOTLAND, N.			0	0	0	0	0	0	6	7	16	2	3	6	16	5	1	1	1	0	11	10	4	1	2
			0	0	0	0	0	0	6	7	14	4	4	10	13	2	2	2	0	1	10	9	4	2	1
Zetland	Lerwick Observatory	H	0	0	0	0	0	0	6	9	12	4	4	8	13	6	0	1	0	2	8	12	4	3	2
			0	0	0	0	0	0	8	4	14	5	3	8	14	6	0	2	1	2	8	10	4	3	1
			0	0	0	0	0	0	0	10	19	2	2	5	12	11	1	0	0	7	6	9	3	5	0
			0	0	0	0	0	0	1	5	22	3	3	4	15	8	1	1	0	3	10	11	1	3	1
Orkney	Grimsetter..	H	0	0	0	0	0	0	4	4	16	7	2	8	12	7	2	1	0	3	9	9	3	3	1
			0	0	0	0	0	0	2	8	18	3	4	2	13	11	1	1	0	1	11	10	3	2	3
			0	0	0	0	0	0	4	9	11	7	3	3	16	8	1	0	0	2	6	10	5	7	0
			0	0	0	0	0	0	7	6	12	6	1	6	14	10	2	0	0	1	7	14	3	3	1
Caithness	Wick ..	H	0	0	0	0	0	0	5	7	12	7	0	10	11	8	2	0	1	0	8	10	5	2	3
			0	0	0	0	0	0	5	5	20	1	0	6	13	11	1	0	1	0	11	9	5	3	1
			0	0	0	0	0	0	1	1	3	26	2	3	11	15	0	1	0	0	8	8	9	3	2
			0	0	0	0	0	0	0	0	6	25	3	4	6	16	2	0	0	4	4	9	8	2	2
Sutherland	Cape Wrath ..		0	0	0	0	0	0	0	0	4	27	2	5	6	18	0	1	0	3	6	9	7	2	1
			0	0	0	0	0	0	0	0	6	25	1	5	9	14	2	0	0	3	6	7	8	3	1
			0	0	0	0	0	0	2	11	14	4	2	7	6	11	5	1	0	3	6	8	4	2	1
			0	0	0	0	1	0	3	8	13	6	3	8	9	7	4	1	0	6	6	7	8	4	3
Ross & Cromarty	Stornoway	H	0	0	0	0	0	0	1	7	14	9	1	5	14	8	3	1	0	6	7	8	3	1	2
			0	0	0	0	0	0	2	4	14	1	0	5	17	5	4	1	0	7	3	9	2	3	2
			0	0	0	0	0	0	1	2	8	11	4	5	10	12	0	1	0	1	4	10	5	4	2
			0	0	0	0	0	0	3	8	7	13	2	10	7	9	3	1	0	5	3	14	2	1	2
Inverness	Benbecula..	H	0	0	0	0	1	1	1	7	7	14	1	6	15	8	1	1	1	2	11	7	4	2	1
			0	0	0	0	0	0	1	10	12	9	1	6	13	10	1	2	1	5	6	6	2	7	1
1 SCOTLAND, E.																									
			0	0	0	0	0	0	7	14	10	0	1	2	7	19	2	0	0	6	2	7	12	2	0
			0	0	0	0	0	1	5	8	11	6	0	5	6	20	1	0	0	2	7	4	6	9	2
Moray	Kinloss ..	H	0	0	0	0	0	0	9	4	13	5	0	3	7	20	1	0	0	0	8	4	3	2	2
			0	0	0	0	0	0	8	16	5	2	0	1	16	14	0	0	0	10	3	6	9	3	2
			0	0	0	0	0	1	13	12	5	0	0	1	9	14	7	0	0	1	2	4	9	3	2
			0	0	0	1	2	0	13	8	5	1	0	3	7	14	7	0	0	1	2	4	9	3	2
Aberdeen	Dyce ..	H	0	0	0	0	1	3	16	7	3	1	0	1	10	14	6	0	0	2	4	11	4	3	1
			0	0	0	1	0	1	20	5	4	0	0	0	14	14	3	0	0	2	8	9	4	1	0
			0	0	0	0	0	1	24	6	6	0	4	5	14	7	0	0	0	5	3	14	3	1	0
			0	0	0	0	1	0	6	12	12	0	3	5	10	13	0	2	0	5	3	14	3	1	0
	Rattray Head ..		0	0	0	0	0	0	2	17	12	0	2	7	12	10	0	1	0	0	4	3	16	2	1
			0	0	0	0	0	0	2	25	4	0	4	6	14	7	0	1	0	0	4	8	2	1	1
			0	1	0	0	0	1	10	10	8	1	1	4	4	20	2	1	0	2	2	5	5	6	1
			0	0	0	0	0	0	5	10	7	2	1	4	8	13	5	2	0	0	1	8	4	4	1
Fife	Leuchars ..	H	0	0	0	0	0	0	4	10	12	4	1	5	11	10	3	2	0	0	1	8	4	4	1
			0	0	0	1	0	0	4	12	2	1	1	5	11	12	3	1	0	0	1	7	2	8	1
			0	0	0	0	0	1	4	12	9	4	0	2	13	8	3	0	0	1	0	8	2	5	1
			0	0	0	0	0	0	5	10	8	2	0	3	7	10	3	0	0	1	0	8	2	5	1
Midlothian	Turnhouse	H	0	0	0	0	0	0	4	12	9	4	0	2	13	8	3	0	0	1	0	8	2	5	1
			0	0	0	0	0	0	4	6	6	15	5	4	11	11	3	0	0	1	0	7	1	12	3
			0	0	0	0	0	0	5	10	8	4	2	0	2	13	8	0	0	3	5	3	4	3	5
			0	0	0	1	1	0	5	10	12	2	1	0	3	9	3	0	0	3	6	5	4	2	0
Renfrew	Renfrew ..	H	0	0	0	1	1	3	6	10	9	0	0	1	13	9	5	0	1	4	3	6	5	2	0
			0	0	0	0	0	0	5	10	15	1	1	0	5	11	5	1	0	4	4	3	7	3	1
			0	0	0	0	0	0	1	4	7	13	4	0	0	5	3	1	0	3	5	3	7	3	1
			0	0	0	0	0	0	1	0	0	4	19	7	0	3	3	0	0	1	9	2	10	4	1
			0	0	0	0	0	0	1	2	4	0	20	4	0	3	12	0	0	1	1	6	9	3	1
Ayr	Prestwick Airport	H	0	0	0	0	0	0	1	2	4	0	19	2	1	0	4	5	10	4	3	5	11	4	1
			0	0	0	0	0	0	1	0	11	17	2	0	0	5	10	16	0	1	1	8	4	3	1
			0	0	0	0	1	2	11	7	4	4	0	4	6	13	8	1	0	3	3	0	8	3	1
Dumfries	Eskdalemuir	H	0	0	0	0	1	2	10	8	8	2	0	5	11	11	4	1	1	3	3	1	9	7	0
			0	0	0	0	2	4	12	5	8	0	0	4	9	13	5	1	0	2	4	1	2	5	1
			0	0	0	1	0	0	0	2	27	1	5	11	12	3	0	0	0	3	2	5	11	7	1
			0	0	0	0	0	0	1	5	22	3	9	7	10	5	0	1	0	6	1	9	8	2	4
Wigtown	Mull of Galloway	H	0	0	0	0	0	0	0	5	25	1	10	10	6	5	0	1	0	6	1	5	8	6	4
			0	0	0	0	0	0	0	4	26	1	7	11	10	3	0	1	0	5	1	4	11	7	2
6b ISLE OF MAN																									
			0	0	0	0	0	0	1	4	24	2	1	6	11	13	0	0	0	4	3	4	11	7	2
			0	0	0	0	0	0	0	7	23	1	1	7	11	12	0	3	0	4	5	11	5	2	2
Isle of Man	Point of Ayre ..		0	0	0	0	0	0	2	7	21	1	2	10	9	10	0	2	0	5	5	3	7	7	2
			0	0	0	0	0	0	1	6	23	1	1	6	16	8	0	1	0	3	3	4	11	6	4
			0	0	0	0	0	0	10	6	12	3	5	13	8	4	1	1	0	4	2	1	11	10	1
			0	0	0	0	0	2	5	10	11	3	9	9	7	5	1	0	0	2	1	7	11	2	3
	Ronaldsway	H	0	0	0	0	0	0	10	13	5	3	4	16	12	10	2	1	0	2	0	4	1	3	12
			0	0	0	0	0	0	9	7	14	1	4	16	9	2	0	2	0	4	1	3	12	8	1
2 ENGLAND, N.E.																									
			0	0	0	0	2	3	13	9	2	2	0	5	11	13	2	2	1	2	4	8	6	4	2
			0	0	0	0	3	8	8	10	0	2	1	3	11	15	0	2	0	0	4	3	13	4	2
Northumberland	Acklington	H	0	0	0	0	3	8	9	6	5	0	0	4	13	12	2	2	0	0	4	3	13	4	4
			0	0	0	0	1	8	15	5	1	1	0	4	13	12	2	0	0	0	4	4	8	6	4

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1959

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																				
												NO. OF OBSERVATIONS							NUMBER OF OBSERVATIONS									FORCE (0-12)																						
																												Beaufort Force																						
																												8 or more	6, 7	4, 5	1 to 3	Calm																		
																												Speed in knots																						
																												34 or more	22 to 33	11 to 21	1 to 10	0																		
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%		0	1 2	3 to 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.	3-6 mi.	7-12 mi.	13-24 mi.	25 mi. or over									N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2 ENGLAND, N.E.—*cont.*																																													
Northumberland—*cont.*	Tynemouth	H	3	130	996·2	–	42·4	1·5	8·0	86	5·7	4	1	6	7	13	0	0	0	0	0	0	1	15	15	0	0	2	5	4	20	0	1	1	3	4	5	6	13	1
			9	130	996·9	−14·8	42·3	1·7	7·8	85	6·7	0	0	7	8	16	0	0	0	0	0	6	8	11	6	0	0	2	4	10	15	0	1	0	4	2	7	9	5	
			15	130	996·2	–	44·0	2·3	8·0	83	6·8	0	2	4	8	17	0	0	0	0	0	9	6	14	2	0	0	2	4	16	9	0	1	0	3	2	11	4	9	1
			21	130	995·3	–	43·0	1·8	8·0	84	6·2	4	0	4	4	19	0	0	0	0	1	3	5	16	6	0	0	2	4	15	10	0	1	0	3	2	10	8	6	
			3	118	996·6	–	41·1	1·3	7·5	89	5·8	3	5	1	7	13	2	0	2	0	0	4	3	9	9	3	1	0	2	10	19	0	0	1	4	1	12	6	4	
Durham	Middleton St. George	H	9	118	997·3	–	41·3	1·4	7·6	89	6·7	0	2	2	17	10	0	0	0	0	1	2	2	16	2	6	2	0	2	14	13	2	0	2	0	4	1	13	6	3	
			15	118	996·4	–	43·1	1·7	8·1	85	6·5	0	2	4	14	11	0	0	0	0	1	1	7	15	3	4	0	0	3	14	12	2	0	1	0	3	2	14	5	2	
			21	118	996·4	–	42·2	1·6	8·0	88	5·8	2	4	4	8	13	0	0	0	0	2	3	6	7	10	3	0	0	2	17	11	1	0	1	0	3	2	15	4	2	
			3	131	997·0	–	41·2	1·2	7·8	89	6·5	3	2	3	5	17	1	1	0	2	1	2	3	12	5	5	0	0	2	10	19	0	1	0	3	2	9	7	4	
Yorks., N. Riding	Dishforth	H	9	131	997·6	–	40·9	1·3	7·7	89	6·8	0	1	4	12	10	4	1	1	2	0	1	7	10	6	2	1	0	2	13	16	0	2	1	2	9	9	4	1	
			15	131	996·6	–	43·1	1·6	8·2	87	6·9	0	1	4	12	14	0	0	0	0	3	7	4	11	3	2	1	0	1	13	15	2	0	2	2	5	6	7	4	2	
			21	131	996·8	–	41·5	1·3	8·0	89	5·1	6	3	3	6	13	0	0	0	0	4	3	5	11	4	3	1	0	3	14	13	1	2	0	0	3	4	5	6	3	
			3	27	997·6	–	41·6	1·4	7·9	89	5·7	6	3	6	4	12	0	1	1	0	2	1	5	12	5	3	1	0	1	17	11	2	0	1	3	5	5	8	4	2	
Yorks., E. Riding	Leconfield	H	9	27	998·3	–	41·6	1·4	7·9	89	6·9	0	0	5	12	12	2	0	1	1	2	4	5	11	5	2	0	0	1	14	14	2	0	1	2	3	10	7	4	2	
			15	27	997·5	–	43·8	1·8	8·3	86	6·5	0	4	2	13	12	0	0	0	0	4	10	11	6	0	0	0	0	3	18	9	1	0	1	4	4	8	8	4	2	
			21	27	997·4	–	42·7	1·5	8·3	89	4·7	6	3	6	4	12	0	0	0	0	2	4	7	14	3	1	0	0	3	16	11	1	1	0	3	4	6	11	4	1	
			3	54	997·8	–	42·7	1·1	8·5	91	5·2	3	7	2	8	9	2	0	2	0	0	1	2	25	1	0	0	1	5	16	8	1	1	1	0	3	3	7	10	5	
	Spurn Head	H	9	54	998·7	−14·3	42·9	1·2	8·5	90	6·3	0	0	10	9	12	0	0	0	0	1	2	5	23	0	0	0	1	6	19	4	1	1	0	3	12	7	5	1	
			15	54	997·9	–	44·3	1·3	8·7	88	6·4	1	1	5	11	13	0	0	0	0	0	3	11	17	0	0	0	1	7	16	5	2	0	1	0	3	3	12	7	1	
			21	54	997·7	–	43·6	0·9	8·9	92	5·1	7	2	3	7	12	0	0	0	0	1	2	4	24	0	0	0	0	8	18	3	2	0	0	1	3	3	5	12	3	
			3	227	998·5	–	41·1	0·9	8·1	93	6·2	1	2	7	4	15	2	0	3	0	1	1	2	15	9	0	0	0	2	18	9	2	1	1	3	6	3	2	0	2	
Lincoln	Waddington	H	9	227	999·1	–	41·1	0·8	8·1	92	6·8	1	1	4	11	13	1	0	1	1	0	2	4	14	6	3	0	0	3	11	16	1	0	0	2	3	4	11	6	2	1	
			15	227	998·1	–	43·3	1·3	8·5	89	6·3	0	4	5	7	15	0	0	0	0	0	3	6	13	5	4	0	0	5	13	11	2	0	0	2	3	6	10	4	3	
			21	227	998·4	–	42·3	1·1	8·4	92	4·8	6	4	6	1	13	1	0	1	1	1	1	10	7	10	0	0	0	3	17	10	1	1	0	2	3	3	9	9	3	
			3	47	998·4	–	41·5	1·1	8·0	91	5·9	0	4	7	7	9	4	0	2	1	2	1	1	16	7	1	0	0	1	18	11	1	0	0	3	3	10	6	5	3	
	Manby	H	9	47	999·1	–	41·5	1·0	8·3	92	6·9	0	1	2	17	11	0	0	0	0	1	2	2	17	8	1	0	0	1	18	11	1	0	0	3	3	10	6	5	2	
			15	47	998·3	–	43·6	1·6	8·5	88	6·5	0	3	3	13	12	0	0	0	0	1	3	6	13	8	0	0	0	3	18	9	1	0	0	2	6	9	8	2	3	
			21	47	998·4	–	42·3	1·2	8·4	90	4·9	6	6	1	2	16	0	0	0	0	4	1	4	14	8	0	0	0	2	20	7	2	1	0	4	2	6	12	3	1	
3 ENGLAND, E.																																													
Norfolk	Marham	H	3	89	999·6	–	41·3	1·2	8·0	91	6·0	2	2	8	2	15	2	0	2	0	1	1	2	11	13	1	0	0	2	20	9	0	0	1	2	4	12	7	4	1	
			9	89	1000·5	–	41·1	1·0	8·0	91	7·0	0	1	2	13	12	3	0	3	0	0	0	0	16	7	4	1	0	3	19	8	1	0	1	0	3	4	14	6	1	1	
			15	89	999·4	–	44·1	1·8	8·5	87	6·2	1	5	2	6	16	1	0	1	0	0	0	3	13	12	2	0	0	3	21	7	0	1	1	2	1	7	11	4	3	1	
			21	89	999·5	–	42·6	1·1	8·5	91	5·2	4	5	3	4	13	2	0	2	0	0	1	4	15	7	1	1	0	3	20	8	0	1	1	0	3	2	9	10	3	1	
			3	263	999·3	–	41·0	0·7	8·4	94	6·1	2	2	6	6	13	2	0	3	0	0	1	4	13	7	3	0	0	7	18	5	1	1	0	0	3	3	3	14	6	1	
	West Raynham	H	9	263	1000·0	–	40·9	0·8	8·3	93	6·7	0	1	4	13	10	3	0	3	0	0	0	2	15	6	4	1	0	4	20	6	1	0	0	0	3	3	9	10	4	2	
			15	263	999·3	–	43·2	1·3	8·6	90	5·9	1	6	2	9	12	1	0	1	1	0	0	5	11	11	2	1	0	7	17	6	1	1	0	0	2	4	10	9	2	1	
			21	263	999·3	–	42·1	0·8	8·6	93	5·3	6	3	3	4	11	4	0	1	1	1	0	8	10	9	0	1	1	6	16	7	1	1	0	0	2	4	4	14	8	2	1	
			3	26	1000·6	–	42·9	0·8	8·9	94	4·9	7	3	3	4	13	1	0	0	1	0	0	0	26	4	0	0	1	3	16	11	0	0	0	0	3	3	10	8	6	4	1	
	Gorleston		9	26	1001·2	−13·4	42·3	0·6	8·8	95	6·3	0	2	5	14	9	1	0	2	0	0	0	1	24	4	0	0	0	7	12	12	0	0	0	0	3	3	10	9	5	2	1	
			15	26	1000·9	–	45·0	1·3	9·2	90	6·6	0	4	1	11	15	0	0	0	0	0	1	0	24	6	0	0	1	5	17	8	0	0	1	2	1	17	5	1	0	0	
			21	26	1000·4	–	44·1	0·9	9·2	92	5·6	8	0	1	4	17	1	0	0	1	0	0	0	27	3	0	0	2	5	15	9	0	0	1	1	4	3	9	10	4	2	1	
			3	39	999·7	–	42·5	1·5	8·1	87	5·2	3	5	5	7	8	3	0	0	3	0	0	1	1	6	10	10	0	0	1	15	15	0	0	1	1	3	4	9	11	2	1	1	
Suffolk	Mildenhall	H	9	39	1000·4	–	42·8	1·6	8·1	86	6·7	0	2	3	14	12	0	0	0	0	0	2	2	8	16	2	1	0	1	14	15	1	1	0	3	7	11	6	1	2	1	
			15	39	999·5	–	45·4	2·3	8·5	83	6·2	1	3	3	4	9	13	1	0	1	0	0	1	2	15	10	2	0	0	1	17	12	1	1	1	0	3	5	13	5	2	1	
			21	39	999·7	–	43·7	1·7	8·4	86	5·4	4	5	3	4	14	1	0	2	0	0	0	3	12	10	4	0	0	1	15	15	0	1	1	1	4	1	8	11	4	2	1	
			3	13	1001·0	–	43·5	1·4	8·6	90	4·7	7	5	2	4	12	1	0	1	0	0	0	2	18	10	0	0	0	3	16	10	2	1	0	1	3	3	9	10	2	2	1	
	Felixstowe ..	H	9	13	1001·6	−13·5	43·2	1·4	8·5	90	6·7	0	1	4	12	13	1	0	2	0	0	0	1	12	14	2	0	0	6	17	7	1	0	1	3	10	9	3	2	1	
			15	13	1000·9	–	45·4	1·7	8·9	87	6·2	1	4	4	7	15	0	0	0	0	0	0	2	17	11	1	0	0	7	15	9	0	1	2	2	3	11	5	14	8	1	1	
			21	13	1001·1	–	44·3	1·3	8·9	90	5·4	7	2	2	3	15	2	0	2	0	0	0	0	16	12	0	0	0	3	18	9	1	0	2	1	3	10	8	5	1	1	
			3	141	999·4	–	41·7	1·3	8·0	89	5·5	5	3	2	6	13	2	0	2	1	1	0	0	19	7	1	0	0	2	14	13	2	0	1	2	2	7	12	4	2	1	
Huntingdon	Wyton ..	H	9	141	1000·1	–	41·5	1·3	8·0	89	7·2	0	1	0	14	16	0	0	1	0	1	2	4	16	5	1	1	0	3	14	12	2	0	1	2	2	9	10	4	2	1	
			15	141	999·1	–	44·5	2·0	8·4	85	6·7	0	3	3	9	15	1	0	1	0	0	3	4	13	9	1	0	0	3	17	10	1	0	0	2	2	4	8	11	2	3	1	
			21	141	999·8	–	42·9	1·3	8·3	88	4·9	6	5	2	6	11	1	0	1	0	0	4	1	17	7	0	1	0	1	18	12	0	0	2	2	3	4	15	3	2	0	1	
			3	96	999·7	–	41·8	1·5	8·1	89	5·1	4	9	0	4	12	2	0	2	1	0	0	4	10	12	2	0	0	2	16	11	2	0	0	2	2	3	8	12	2	3	0	
Bedford	Cardington	H	9	96	1000·2	–	42·0	1·3	8·1	88	6·7	0	2	4	10	14	1	0	1	0	0	0	3	0	15	8	4	0	0	4	12	13	2	0	1	2	2	3	8	7	5	3	1
			15	96	999·2	–	44·9	1·7	8·6	84	6·9	0	1	4	11	14	1	1	0	0	0	1	0	19	10	0	0	0	3	16	12	0	0	1	2	2	3	7	11	5	2	1	
			21	96	999·7	–	43·0	1·3	8·4	89	4·9	5	5	3	7	11	0	0	2	0	0	1	2	16	10	0	0	0	4	17	9	1	0	2	2	3	2	6	12	5	3	0	
			3	517	996·8	–	40·5	1·0	7·9	91	5·9	3	3	5	4	14	2	0	1	2	0	1	3	15	8	1	0	0	1	14	15	1	0	2	2	2	11	6	5	3	1	
Hertford	Bovingdon	H	9	517	1000·6	–	41·4	0·9	8·0	93	6·5	0	4	3	6	14	4	0	4	0	1	1	4	10	7	4	1	0	1	14	14	0	2	1	2	3	13	6	3	2	1	
			15	517	999·3	–	43·6	1·4	8·5	87	6·9	0	2	3	10	15	1	0	1	0	0	2	6	10	7	4	1	0	1	17	13	0	1	2	2	3	12	6	2	4	0	
			21	517	999·8	–	41·8	1·1	8·3	91	5·1	5	6	2	2	14	2	0	2	0	0	2	4	13	10	0	0	0	0	19	10	2	0	2	1	3	9	9	5	3	0	
			9	12	1002·1	−13·3	43·5	1·3	8·7	89	6·9	1	1	1	10	15	3	1	2	0	0	0	1	14	11	2	0	0	3	18	10	0	2	1	1	2	12	10	3	3	0	
Essex	Shoeburyness	H	15	12	1001·2	–	45·7	1·9	9·0	85	6·5	1	3	3	5	18	1	0	1	0	0	0	4	14	10	2	0	0	8	14	9	0	1	1	1	4	16	3	5	5	0	
			21	12	1001·4	–	45·0	1·5	9·1	88	5·2	7	1	5	2	15	1	1	0	0	1	0	3	13	12	1	0	0	1	24	6	0	1	1	2	3	6	13	5	5	0	
4 MIDLAND COUNTIES																																													
Yorks, W.R.	Huddersfield (Oakes)	H	3	769	997·5	–	40·2	1·0	7·8	91	5·9	2	3	5	6	15	0	0	0	0	0	0	14	9	5	3	0	3	2	11	15	0	0	4	5	0	5	10	5	3	
			9	769	997·8	–	41·0	1·4	7·7	88	6·7	0	2	3	9	17	0	0	0	0	0	1	9	13	4	4	0	1	2	18	9	1	1	2	5	2	3	11	4	3	2	
			15	769	996·8	–	41·6	1·2	7·9	88	6·3	0	4	4	6	17	0	0	0	0	1	2	4	12	7	5	0	0	4	14	13	0	0	2	6	3	4	11	3	2	2	
			21	769	997·3	–	40·6	1·0	7·9	91	5·9	2	5	2	3	19	0	0	1	0	1	1	4	13	7	4	0	0	3	13	13	2	0	1	3	3	3	8	10	2	1	
			3	390	998·1	–	40·8	1·1	8·0	91	6·0	3	3	1	6	16	2	0	2	0	1	0	5	16	5	2	0	0	0	13	17	1	1	1	2	2	2	11	9	8	2	
Nottingham	Watnall	H	9	390	998·9	–	40·7	1·0	7·9	91	6·7	0	2	3	11	13	2	0	1	1	1	3	7	4	11	2	0	0	0	12	16	3	1	2	0	2	7	5	9	8	2	
			15	390	997·7	–	43·2	1·5	8·3	87	6·7	0	2	2	14	12	1	0	1	0	1	3	3	9	12	3	0	0	0	14	15	2	1	2	0	3	3	6	4	9	2	
			21	390	998·2	–	41·7	1·0	8·2	92	5·6	3	1	8	2	15	2	0	1	0	1	1	3	7	11	3	0	0	0	0	10	20	1	0	1	2	2	3	2	10	8	3	2	
			3	46	997·9	–	41·4	1·3	7·9	89	5·8	3	3	3	6	14	2	0	3	0	0	2	8	11	5	1	0	0	1	3	12	15	0	0	1	1	2	4	14	2	3	1	
	Finningley	H	9	46	998·6	–	41·6	1·5	7·8	88	6·9	0	3	0	12	16	0	0	0	0	0	4	7	11	6	2	0	0	0	4	15	12	0	1	0	2	5	4	14	3	3	1	
			15	46	997·6	–	44·1	0·9	8·2	85	6·5	0	4	1	9	16	1	0	0	0	0	1	4	7	11	6	2	0	0	5	15	10	1	0	2	1	2	6	11	5	4	1	
			21	46	997·9	–	42·4	1·4	8·1	88	4·3	11	0	5	4	10	1	0	0	0	0	1	9	12	5	0	0	0	2	21	8	0	0	2	1	3	3	12	7	4	3	1	
			9	109	999·2	–	41·6	1·5	8·0	88	6·8	0	0	7	11	13	0	0	0	0	0	1	3	12	10	5	0	0	0	4	15	12	0	2	1	0	2	13	7	3	1	2	
	Langar	H	15	109	998·1	–	44·2	1·9	8·5	86	6·5	0	3	3	12	13	0	0	0	0	1	0	3	16	10	1	0	0	0	9	13	8	1	0	2	1	2	4	9	8	3	2	
			21	109	998·5	–	42·4	1·5	8·2	89	5·3	3	6	4	6	11	1	0	0	0	1	0	2	13	9	3	1	0	0	4	19	8	0	0	2	2	2	11	10	3	1	2	
			3	219	999·7	–	40·8	1·1	8·0	91	6·4	0	4	5	5	15	2	0	2	0	0	1	3	2	10	6	7	0	0	1	20	9	1	0	2	1	2	3	7	9	7	5	1
Northampton	Wittering	H	9	219	999·7	–	40·5	1·2	7·9	91	7·0	0	1	4	11	14	1	0	2	0	0	1	2	15	7	3	0	0	3	15	11	2	1	1	1	2	3	3	5	4	1	
			15	219	998·7	–	43·7	1·9	8·4	86	6·5	0	4	3	8	15	1	0	1	1	0	1	2	4	11	10	2	0	0	1	19	10	1	0	1	1	2	3	4	10	9	4	1
			21	219	999·1	–	42·2	1·3	8·0	89	5·2	4	6	1	6	13	1	0	1	1	1	2	4	10	5	7	0	0	1	19	11	0	0	2	2	3	4	10	9	4	2	

TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1959

DISTRICT, COUNTY AND PLACE		Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																										Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0								
		G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																														
4 MIDLAND COUNTIES—*cont.*																																						
Warwick	Birmingham H	9	542	999·3	−15·2	40·9	0·9	8·0	91	6·5	1	3	2	8	16	1	1	0	2	2	4	6	9	6	1	0	0	1	16	14	0	1	1	3	5	11	4	6	0
		15	542	998·1	–	43·8	1·7	8·3	85	6·8	1	0	4	10	16	0	0	0	0	0	9	3	12	3	4	0	0	3	16	12	0	0	1	3	4	14	2	6	1
		21	542	998·8	–	42·4	1·4	8·2	88	5·8	2	4	5	7	12	1	1	0	0	0	2	3	18	5	2	0	0	2	17	12	0	0	1	4	1	9	10	6	0
	Elmdon .. H	3	362	998·6	–	41·6	1·3	8·0	89	5·2	5	4	3	7	12	0	0	0	0	1	0	1	13	12	4	0	0	1	17	11	2	2	0	2	4	4	13	2	0
		9	362	999·3	–	41·1	1·3	7·9	90	6·7	0	2	4	13	12	0	0	1	1	0	3	9	15	2	0	0	0	4	12	13	2	0	1	3	6	6	9	4	2
		15	362	998·1	–	44·6	2·1	8·4	84	6·9	0	1	5	10	14	1	1	0	0	1	1	9	18	1	0	0	0	5	14	11	1	0	1	3	4	11	7	1	3
		21	362	998·9	–	42·9	1·5	8·3	88	5·5	1	6	6	5	13	0	1	0	0	1	1	10	16	2	0	0	0	1	19	9	2	1	0	3	3	5	13	4	0
		3	242	997·9	–	41·2	1·4	7·8	88	5·7	1	5	5	8	12	0	0	0	0	2	0	3	5	5	13	1	0	1	11	17	2	2	0	3	4	6	10	4	1
		9	242	998·3	–	41·2	1·4	7·9	89	6·8	0	1	4	14	11	1	0	0	1	1	0	3	10	6	7	2	0	1	13	15	2	0	0	5	4	10	4	5	1
Shropshire	Shawbury .. H	15	242	997·0	–	44·7	2·0	8·5	83	6·3	0	4	3	14	10	0	0	0	0	0	1	3	8	12	5	2	0	2	19	10	0	0	0	4	3	13	4	4	3
		21	242	997·8	–	42·3	1·6	8·1	87	5·8	0	6	4	10	10	1	1	0	0	0	0	2	7	9	11	1	0	2	16	9	4	1	0	3	1	7	9	5	1
		3	112	999·1	–	41·7	1·5	8·0	88	5·6	2	6	2	7	13	1	0	2	0	1	0	1	7	9	8	3	0	1	15	11	4	1	1	1	4	4	13	2	1
		9	112	999·2	–	42·1	1·4	8·2	89	6·5	0	3	4	10	13	1	0	1	0	0	0	2	5	9	13	1	0	2	14	12	3	1	1	1	6	5	9	5	0
Worcester	Pershore .. H	15	112	998·0	–	45·8	2·3	8·7	83	6·7	0	3	3	10	14	1	0	1	0	0	1	1	6	13	7	2	0	4	18	7	2	1	1	3	3	9	6	5	1
		21	112	999·0	–	43·4	1·8	8·4	87	5·3	2	5	5	9	10	0	1	0	0	1	0	0	6	13	9	1	0	1	20	8	2	2	0	2	3	4	14	4	0
		9	226	998·8	−15·9	43·3	1·7	8·3	87	6·7	0	2	4	10	15	0	0	1	0	0	0	2	2	11	7	8	0	0	0	12	17	2	1	1	4	0	10	7	6	0
Hereford	Ross-on-Wye H	15	226	997·7	–	45·8	4·6	8·6	83	6·6	1	1	4	10	15	0	0	0	0	0	4	1	3	3	10	1	0	0	11	19	1	1	0	2	2	6	12	5	0
		21	226	998·9	–	43·6	1·7	8·3	85	5·6	4	4	2	7	14	0	0	0	2	0	2	0	13	3	11	0	0	1	8	19	3	0	1	3	1	5	14	4	0
		3	197	999·6	–	42·9	1·5	8·3	88	6·2	2	2	5	4	16	2	1	1	0	0	0	1	14	9	4	1	0	4	12	15	0	1	2	4	2	9	7	6	0
		9	197	999·6	–	43·6	1·4	8·5	88	6·4	0	2	5	10	14	0	0	0	0	0	5	8	5	12	1	0	0	1	12	18	0	1	3	2	2	11	7	5	0
Gloucester	Bristol (Filton) H	15	197	998·5	–	46·5	1·9	9·1	84	6·5	0	3	4	8	16	0	0	0	0	1	1	8	14	6	1	0	0	3	15	13	0	3	1	2	2	8	9	6	0
		21	197	1000·0	–	43·5	1·4	8·5	88	5·3	2	7	3	5	13	1	1	0	0	1	1	2	18	6	2	0	0	2	17	10	2	2	1	1	2	8	6	9	2
		3	751	999·7	–	39·7	0·7	7·8	94	5·9	2	5	2	6	13	3	0	2	0	1	1	3	5	8	10	1	0	5	11	15	0	2	0	3	2	3	8	11	2
	Little Rissington H	9	751	999·9	–	40·0	0·7	8·0	94	6·9	0	1	6	8	14	2	0	1	2	1	0	5	6	7	6	3	0	4	12	14	1	1	1	3	7	8	6	1	2
		15	751	998·7	–	43·1	1·1	8·6	90	6·3	0	4	4	7	16	0	0	0	0	0	1	8	8	8	5	1	0	8	13	8	2	1	1	3	2	6	6	8	2
		21	751	999·8	–	40·7	0·6	8·2	94	5·5	4	2	5	8	11	1	1	0	0	1	3	0	10	9	5	2	0	5	14	12	0	0	2	2	2	3	13	5	4
5 ENGLAND, S.E.																																						
Middlesex	London Airport H	3	86	1000·6	–	42·5	1·4	8·2	88	5·8	3	3	4	6	13	2	0	2	0	1	0	1	4	20	3	0	0	1	13	16	1	1	1	3	2	5	12	6	0
		9	86	1001·0	–	42·6	1·3	8·3	89	6·6	0	1	7	7	14	2	1	0	0	2	1	1	14	6	6	0	0	1	15	12	3	0	2	3	0	10	10	3	0
		15	86	999·9	–	46·1	2·1	8·9	84	7·0	0	0	6	10	14	1	0	1	0	0	0	1	15	7	5	0	0	2	17	12	0	1	1	2	2	11	6	6	2
		21	86	1000·7	–	44·2	1·7	8·6	86	5·4	4	4	3	7	11	2	0	2	0	0	0	2	13	12	2	0	0	0	21	9	1	1	1	2	2	7	9	8	0
		9	34	1001·1	+14·3	43·6	1·8	8·2	85	6·5	0	2	4	10	13	2	1	1	1	1	0	0	6	10	7	4	0	0	0	13	17	1	1	2	4	2	11	7	3	0
Surrey	Kew Observatory H	15	34	1000·0	–	46·3	2·4	8·6	81	6·6	0	2	4	10	15	0	0	1	0	0	2	6	18	2	1	1	0	1	16	14	0	1	2	1	1	13	7	6	0
		21	34	1000·7	–	45·1	2·1	8·5	83	5·1	6	3	3	7	11	1	1	0	1	0	0	3	11	11	3	1	0	1	15	14	1	1	1	2	2	7	12	5	0
		3	195	1000·9	–	41·5	1·3	8·1	89	5·5	3	6	1	8	12	1	0	2	0	0	0	3	13	10	3	0	0	2	13	12	4	0	3	0	2	2	8	11	3	0
		9	195	1001·2	–	41·5	1·1	8·3	91	6·8	0	1	3	12	13	2	0	1	1	1	1	5	10	6	6	0	0	2	12	12	5	1	1	2	2	10	6	4	0
	Gatwick .. H	15	195	1000·1	–	45·7	1·8	9·0	86	6·9	0	1	3	12	15	0	0	0	0	0	3	5	9	7	7	0	0	1	17	12	1	1	1	2	1	3	9	9	3
		21	195	1001·0	–	44·0	1·7	8·6	87	5·4	3	6	3	6	12	1	0	2	0	0	0	1	15	12	1	0	0	1	18	11	1	1	1	2	1	6	11	7	1
		3	309	1001·3	–	41·4	0·9	8·2	91	5·1	6	6	0	3	15	1	0	1	0	1	3	2	8	13	3	0	0	3	11	15	2	2	2	0	1	8	13	3	0
		9	309	1001·9	–	41·5	0·9	8·4	93	6·8	1	1	2	12	14	1	0	1	1	1	2	2	6	14	4	0	0	1	16	12	2	0	2	1	1	10	12	3	0
Kent	West Malling H	15	309	1000·8	–	44·8	1·5	8·8	87	6·4	0	3	5	7	16	0	0	0	0	1	2	4	9	14	1	0	0	4	16	11	0	2	2	0	2	12	8	3	0
		21	309	1001·4	–	43·7	1·2	8·8	90	5·6	5	2	4	3	15	2	0	3	0	0	1	1	15	10	1	0	0	3	19	8	1	3	1	1	1	5	15	2	2
		3	35	1001·4	–	44·8	1·8	8·7	86	5·9	4	1	3	9	14	0	0	0	0	1	1	2	2	14	3	0	0	2	10	18	1	1	2	2	0	6	7	10	2
		9	35	1001·5	–	44·6	1·5	8·9	88	6·6	0	1	6	9	15	0	0	0	0	0	0	2	7	17	3	0	0	3	10	13	5	1	2	1	2	11	4	5	0
Sussex	Thorney Island H	15	35	1000·5	–	47·8	2·4	9·3	82	6·7	0	0	8	7	16	0	0	0	0	0	0	0	6	10	13	2	0	0	3	14	14	0	2	1	2	2	9	8	6	1
		21	35	1001·7	–	46·0	2·2	8·9	83	4·7	4	8	3	4	12	0	0	0	0	1	2	0	8	18	2	0	0	1	16	14	0	2	1	0	2	1	10	9	1
		9	20	1002·3	–	45·3	1·3	9·5	91	7·1	0	0	3	11	16	1	1	0	0	0	0	0	0	23	7	0	0	0	15	5	7	4	1	0	2	2	4	6	12	0
	Eastbourne (Coastguard) H	15	20	1001·6	–	48·1	2·1	9·7	85	6·9	0	0	7	8	16	0	0	0	0	0	0	0	1	22	8	0	0	2	15	6	7	1	1	1	1	2	5	8	11	1
		21	20	1001·7	–	47·1	1·9	9·6	86	5·3	4	1	9	5	12	0	0	0	0	0	0	0	0	18	13	0	0	0	17	7	6	1	1	1	1	1	3	6	16	1
		3	234	1000·2	–	42·1	1·4	8·2	89	5·8	4	3	3	5	15	1	0	2	0	0	1	1	8	14	5	0	0	0	12	14	5	1	1	2	4	1	11	6	0
		9	234	1000·5	–	41·9	1·4	8·1	89	6·6	0	3	1	12	13	2	0	1	1	0	3	3	7	4	12	0	0	1	12	17	1	2	2	3	8	3	6	6	0
Berkshire	Abingdon .. H	15	234	999·3	–	46·1	2·0	8·9	85	6·5	0	2	6	8	15	0	0	0	0	1	4	8	9	9	0	0	0	0	15	15	1	1	2	2	3	9	9	3	1
		21	234	1000·3	–	43·2	1·4	8·6	89	5·4	4	4	4	6	13	0	0	1	0	0	0	5	7	14	4	0	0	0	0	13	16	2	0	2	2	4	5	9	6	1
		3	231	1001·1	–	42·6	1·2	8·5	89	5·3	7	2	2	7	11	2	1	0	0	0	1	1	6	13	9	0	0	1	12	17	1	0	1	2	1	5	11	9	1
		9	231	1001·3	+14·2	42·7	1·1	8·6	91	6·4	0	3	6	5	16	1	0	1	0	0	3	3	13	1	4	6	0	0	0	11	20	0	0	1	1	3	2	12	6	6	1
Hampshire	S. Farnborough H	15	231	999·8	–	46·3	1·9	9·2	85	7·0	0	1	4	11	15	0	0	0	1	1	1	6	6	7	5	4	0	0	0	17	14	0	1	1	1	3	7	7	8	3
		21	231	1001·2	–	44·2	1·4	8·8	88	5·2	4	5	5	5	11	1	0	1	0	0	2	2	8	12	6	0	0	0	1	16	14	0	1	1	2	0	5	12	9	1
		3	344	1000·6	–	42·2	1·2	8·5	91	5·5	4	3	4	4	15	1	0	1	0	2	0	2	8	8	8	2	0	1	16	11	3	1	1	1	3	9	10	3	0
		9	344	1000·9	–	42·1	1·1	8·5	91	6·3	0	0	4	4	6	16	1	0	1	0	0	3	0	13	5	8	1	0	1	15	15	0	1	3	1	7	9	6	4	0
	Blackbushe H	15	344	999·8	–	45·7	2·1	9·0	85	6·8	0	0	7	10	13	1	0	1	0	0	2	1	11	6	5	5	0	0	20	10	1	1	1	1	5	8	9	5	0
		21	344	1000·8	–	43·4	1·4	8·7	89	4·8	3	9	2	5	11	1	1	0	0	0	1	3	7	5	10	4	0	1	20	9	1	0	2	1	1	8	11	6	0
		3	458	999·7	–	41·6	1·1	8·2	91	6·3	3	2	2	9	14	1	0	1	0	0	2	1	1	7	14	5	0	0	3	12	16	0	2	0	3	2	7	12	4	1
		9	458	999·9	–	41·8	1·1	8·3	91	6·7	0	1	4	13	11	2	0	1	0	1	1	0	9	5	13	1	0	1	14	15	1	0	1	3	2	12	7	5	0
Wiltshire	Lyneham H	15	458	998·8	–	44·9	1·5	8·9	87	6·6	0	1	6	10	14	0	0	0	0	0	3	9	9	8	2	0	0	1	16	14	0	1	1	2	2	9	10	4	1
		21	458	1000·2	–	42·0	1·0	8·4	91	4·4	9	2	5	6	9	0	0	0	1	0	1	1	7	15	6	0	0	0	2	14	14	1	1	1	2	1	4	14	7	0
		9	582	1000·5	–	40·7	0·5	8·3	95	6·5	1	1	4	11	12	2	0	0	4	0	2	1	1	9	9	3	2	0	6	10	13	2	2	0	5	2	9	6	3	2
	Upavon .. H	15	582	999·6	–	44·4	1·2	9·0	90	6·5	0	3	4	11	13	0	0	0	0	0	1	2	2	13	5	7	1	0	8	15	8	0	2	1	2	1	8	7	8	2
		21	582	1000·7	–	41·7	0·8	8·4	93	4·0	8	8	1	3	11	0	0	0	0	1	1	2	5	14	8	0	0	0	4	14	12	1	2	1	2	1	4	11	9	0
		3	419	1000·6	–	41·6	1·0	8·4	91	4·8	4	5	7	3	12	0	0	2	0	0	1	2	12	13	1	0	0	0	1	14	14	2	1	0	3	2	8	10	5	3
	Boscombe Down H	9	419	1000·8	–	42·0	0·7	8·6	93	6·6	0	2	3	11	14	1	0	2	0	1	3	4	9	8	4	0	0	4	10	17	0	1	1	2	7	7	5	5	3
		15	419	999·6	–	45·7	1·5	9·3	88	6·4	0	4	2	10	15	0	0	0	0	1	1	9	6	8	6	0	0	2	17	12	0	2	1	2	3	7	9	5	2	1
		21	419	1001·0	–	42·8	1·2	8·6	91	4·0	10	3	3	4	11	0	0	0	1	0	1	4	10	12	3	0	0	1	16	13	1	1	0	2	2	6	9	9	1
7a ENGLAND, N.W.																																						
Cumberland	Silloth H	3	27	995·8	–	42·6	1·4	8·2	88	6·4	1	0	7	9	14	0	0	0	0	0	0	0	1	8	12	8	2	0	4	9	18	0	1	3	3	3	8	7	4	2
		9	27	997·0	–	41·9	1·6	7·9	87	6·6	0	1	6	15	9	0	1	0	0	0	0	0	5	21	4	0	1	0	11	18	1	0	4	3	5	6	7	2	3
		15	27	995·0	–	43·8	1·9	8·3	85	7·0	0	0	2	20	9	0	0	0	0	0	1	2	9	18	1	0	0	4	11	16	0	1	5	6	3	7	4	2	3
		21	27	995·3	–	43·6	1·7	8·4	86	6·4	1	3	4	8	15	0	0	0	0	0	0	0	7	12	6	0	0	3	14	13	1	1	2	4	1	10	9	2	1
		3	35	996·3	–	43·3	1·5	8·5	89	6·3	2	0	6	13	10	0	0	0	0	0	2	3	13	10	3	0	1	4	12	12	2	1	1	4	7	5	3	7	1	1
Lancashire	Squires Gate H	9	35	996·7	–	42·6	1·4	8·2	88	6·8	0	1	4	14	12	0	0	1	0	1	3	9	11	6	0	0	0	1	6	15	8	2	0	0	5	9	5	4	3	3
		15	35	995·3	–	44·8	1·7	8·7	87	6·8	0	1	4	13	13	0	0	0	0	1	5	7	11	7	0	0	1	0	6	15	8	1	1	0	6	7	6	3	4	3
		21	35	996·1	–	43·4	1·4	8·5	89	6·3	0	1	9	8	12	1	0	2	0	0	2	1	13	7	0	0	0	0	7	14	9	1	1	0	4	4	9	5	3	4
		3	85	997·2	–	43·3	1·7	8·2	86	6·2	1	3	5	7	15	0	0	0	0	0	1	4	10	10	6	0	0	0	5	11	15	0	3	0	3	4	10	5	5	1
	Speke .. H	9	85	997·4	–	42·9	1·9	8·0	85	6·7	0	1	5	14	11	0	0	0	0	1	3	4	17	5	1	0	0	0	5	13	13	0	1	0	4	3	13	4	3	3
		15	85	996·2	–	45·3	2·0	8·7	84	6·6	0	2	4	14	11	0	0	0	0	1	3	6	14	5	2	0	0	0	7	14	9	1	1	0	4	4	11	4	3	3
		21	85	997·0	–	43·8	1·7	8·4	86	6·1	0	4	5	13	9	0	0	0	0	1	4	3	11	9	3	0	0	3	17	8	3	1	0	3	4	10	5	2	3

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TABLE IV (*continued*)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0-12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
7a ENGLAND, N.W.—*cont.*																																										
Cheshire Manchester Airport H	3	251	997·6	–	41·4	1·5	7·9	88	5·9	4	2	4	5	16	0	0	0	0	1	2	2	13	11	2	0	0	2	16	13	0	1	0	3	3	12	9	2	1
	9	251	997·7	–	41·5	1·6	7·7	87	6·8	0	0	6	11	14	0	0	0	0	2	1	7	13	8	0	0	0	5	16	10	0	1	0	4	2	17	3	1	3
	15	251	996·6	–	44·3	2·3	8·2	82	6·8	0	1	3	12	15	0	0	0	0	0	2	6	16	5	1	1	0	7	15	8	1	0	0	5	3	12	6	1	3
	21	251	997·3	–	42·5	1·5	8·1	87	6·5	1	2	3	9	14	2	0	1	0	1	3	1	14	11	0	0	0	3	17	11	0	1	1	3	3	15	5	1	2
7b NORTH WALES																																										
Anglesey Holyhead .. (Valley) H	3	29	995·8	–	45·7	2·0	8·9	84	5·8	2	3	6	6	14	0	0	0	0	0	0	1	6	10	13	1	1	8	12	9	1	0	1	4	1	3	13	5	3
	9	29	995·7	-17·2	45·5	2·0	8·8	84	6·9	0	0	5	14	12	0	0	0	0	0	1	4	3	4	16	3	1	10	14	4	2	0	1	5	1	6	8	5	3
	15	29	994·8	–	47·3	1·7	9·2	82	6·6	0	1	5	16	9	0	0	0	0	0	0	0	6	10	11	4	1	15	9	6	0	0	0	4	1	4	10	7	5
	21	29	995·8	–	46·1	2·0	9·1	85	5·8	2	3	6	5	15	0	0	0	0	0	0	4	6	10	10	1	1	14	11	4	1	1	0	4	1	3	12	7	2
8a SOUTH WALES																																										
Cardigan Aberporth.. H	3	379	997·3	–	44·0	1·8	8·5	86	6·5	0	3	4	7	16	1	0	1	0	0	0	0	7	11	11	1	1	7	12	10	1	0	0	4	2	9	7	6	2
	9	379	997·0	–	41·2	2·0	8·4	84	6·8	0	2	3	13	13	0	0	0	0	0	1	0	5	12	7	6	0	10	14	6	1	0	0	3	5	11	5	4	2
	15	379	996·5	–	46·4	2·4	8·8	81	6·5	0	1	5	18	7	0	0	0	0	0	0	1	6	9	11	4	1	6	19	4	1	0	0	4	1	8	7	6	4
	21	379	997·7	–	44·9	2·1	8·6	83	5·9	0	4	6	7	14	0	0	0	0	0	0	0	10	12	6	3	0	7	18	5	1	0	0	3	2	10	7	5	3
Glamorgan Mumbles Head H	3	123	998·4	–	45·6	1·3	9·3	89	6·0	2	3	6	3	17	0	0	0	0	0	1	1	9	17	3	0	6	7	9	9	0	1	3	6	3	2	5	11	0
	9	123	998·3	–	46·2	1·6	9·4	87	6·9	0	1	4	9	17	0	0	0	0	0	0	0	14	15	2	0	3	11	7	9	1	1	1	4	2	7	2	13	0
	15	123	997·5	–	47·8	2·3	9·5	83	6·3	0	4	6	5	16	0	0	0	0	0	1	2	10	14	4	0	5	11	7	8	0	2	0	5	0	4	7	11	2
	21	123	999·0	–	46·3	1·8	9·2	85	5·6	1	6	4	5	15	0	0	0	0	0	1	1	6	18	4	1	5	9	10	6	1	1	1	2	1	3	8	14	0
Rhoose .. H	3	225	999·3	–	44·0	1·4	8·7	89	5·7	2	5	3	7	13	1	0	1	0	0	1	2	6	6	15	0	2	1	13	13	2	1	1	4	3	3	7	7	3
	9	225	999·4	–	44·2	1·4	8·8	89	7·1	0	0	2	16	13	0	0	0	0	0	0	2	11	11	6	1	0	7	8	14	2	1	1	4	2	9	2	8	2
	15	225	998·6	–	46·5	1·6	9·3	86	6·5	0	3	2	13	13	0	0	0	0	0	0	3	9	8	5	6	1	5	13	11	1	0	1	3	2	3	5	13	3
	21	225	999·9	–	44·6	1·7	8·7	87	5·1	3	7	4	5	12	0	0	0	0	0	0	3	4	9	15	0	0	8	12	10	1	1	3	1	2	3	4	15	1
8b ENGLAND, S.W.																																										
Dorset Portland Bill H	3	35	999·9	–	48·5	1·8	10·2	87	5·3	5	3	5	4	14	0	0	0	0	0	0	0	4	7	12	8	8	9	11	2	1	1	1	2	1	3	6	13	3
	9	35	999·9	–	48·7	1·5	10·4	89	6·9	0	0	5	13	13	0	0	0	0	0	0	0	4	8	10	9	7	9	9	6	0	1	1	2	1	5	9	10	2
	15	35	999·1	–	49·4	1·8	10·5	87	6·9	0	0	6	9	16	0	0	0	0	0	0	0	7	8	5	1	1	9	10	5	0	1	1	3	1	2	9	10	4
	21	35	1000·6	–	48·7	1·8	10·0	85	4·7	7	4	4	3	13	0	0	0	0	0	0	0	3	8	11	9	4	14	10	3	0	2	1	2	0	3	6	15	2
Devon Hartland Pt. H	3	305	997·8	–	46·7	1·8	9·4	86	5·7	0	5	7	7	12	0	0	0	0	0	0	1	1	19	10	0	3	11	12	5	0	0	3	2	2	3	9	9	3
	9	305	997·3	–	46·9	2·2	9·2	84	6·6	0	0	3	21	7	0	0	0	0	0	0	0	3	23	3	2	3	11	9	8	0	1	1	4	0	3	7	11	4
	15	305	997·4	–	48·1	2·6	9·5	82	6·6	0	0	7	15	9	0	0	0	0	0	1	1	0	5	18	4	2	3	13	9	6	0	1	1	4	1	2	7	14	1
	21	305	998·6	–	47·5	2·4	9·1	81	5·7	0	2	10	9	10	0	0	0	0	0	0	0	1	22	8	0	3	12	12	3	1	1	1	1	2	3	6	11	5
	3	100	1000·3	–	46·6	1·6	9·6	88	6·1	0	5	3	8	15	0	0	0	0	0	0	2	17	12	0	0	1	8	13	8	1	0	4	2	1	2	8	11	2
Plymouth (Mount Batten) H	9	100	1000·0	-15·6	47·1	1·8	9·6	87	6·8	0	1	3	15	12	0	0	0	0	0	1	2	2	14	11	1	0	11	7	12	0	1	5	2	4	4	6	7	2
	15	100	999·6	–	49·2	2·2	9·9	83	6·3	0	2	6	11	12	0	0	0	0	0	0	1	6	9	11	4	0	15	11	4	1	3	0	2	0	3	6	10	6
	21	100	1001·2	–	47·4	1·9	9·6	86	5·5	2	6	3	8	12	0	0	0	0	0	1	2	3	13	11	1	0	9	12	10	0	3	3	1	1	3	6	9	5
	3	23	999·1	–	45·6	1·3	9·4	89	6·2	0	3	5	9	14	0	0	0	0	0	0	2	8	15	6	0	0	6	10	14	1	0	0	7	2	10	4	5	2
Chivenor .. H	9	23	998·9	–	45·9	1·3	9·4	89	6·9	0	0	4	15	12	0	0	0	0	0	0	0	12	7	12	0	0	7	9	14	1	2	1	5	7	4	3	5	3
	15	23	998·6	–	48·7	2·1	9·9	84	6·7	0	1	5	13	12	0	0	0	0	0	0	1	8	12	8	2	1	6	18	5	1	0	1	3	2	4	8	9	3
	21	23	999·9	–	46·6	1·8	9·3	86	5·7	0	3	9	9	10	0	0	0	1	0	0	0	6	10	14	0	2	5	13	10	1	0	0	5	5	5	5	6	4
	3	125	1000·0	–	44·4	1·5	8·9	89	5·7	2	5	5	2	17	0	0	1	0	1	0	0	7	10	11	1	0	5	9	17	0	1	1	1	5	6	8	6	3
Exeter .. H	9	125	1000·0	–	44·6	1·3	8·9	89	6·9	0	1	2	16	12	0	0	0	0	0	1	2	9	8	10	1	0	7	12	8	4	1	2	2	1	8	5	4	4
	15	125	999·2	–	47·9	2·1	9·5	83	6·0	0	3	5	13	10	0	0	0	0	0	0	1	8	9	10	3	0	6	17	8	0	4	0	1	2	5	7	7	5
	21	125	1000·9	–	44·9	1·5	8·9	87	5·4	4	5	1	9	12	0	0	0	1	0	0	1	7	8	14	0	0	3	14	12	2	2	1	2	2	8	6	8	0
	3	199	999·7	–	48·5	2·1	9·8	84	6·1	0	1	10	4	16	0	0	0	0	0	0	2	7	13	4	5	6	5	15	5	0	0	1	1	1	4	9	13	2
Cornwall St.Mary's, Scilly H	9	199	1000·2	-14·9	48·9	2·1	10·0	85	6·4	0	1	8	8	14	0	0	0	0	0	1	2	10	10	6	2	2	14	10	5	0	1	2	1	1	5	5	11	5
	15	199	999·5	–	49·6	2·6	9·9	81	6·4	0	0	10	11	10	0	0	0	0	0	0	2	9	12	5	3	2	13	13	3	0	1	0	1	1	2	8	10	8
	21	199	1000·5	–	48·8	2·2	9·9	84	5·9	0	2	11	4	14	0	0	0	0	0	0	1	9	12	5	4	4	8	16	3	0	1	1	1	0	2	8	14	4
	3	350	999·8	–	45·8	1·1	9·6	91	6·2	2	3	4	5	17	0	0	0	0	0	0	3	8	13	7	0	1	6	13	11	0	0	2	1	3	6	8	8	3
St. Mawgan H	9	350	999·3	–	46·8	1·6	9·6	87	6·7	0	1	5	11	14	0	0	0	0	0	0	3	8	12	7	1	2	10	13	6	0	0	2	2	4	8	3	6	6
	15	350	999·3	–	48·0	1·7	10·0	87	6·6	0	0	7	13	11	0	0	0	0	0	0	3	8	10	7	3	0	13	14	3	1	2	2	1	1	3	6	12	3
	21	350	1000·5	–	46·8	1·8	9·6	87	5·4	1	6	7	3	14	0	0	0	0	0	0	0	13	11	6	1	1	10	13	5	2	0	1	2	2	3	8	10	3
NORTHERN IRELAND																																										
Londonderry Ballykelly H	3	13	992·6	–	42·4	1·6	8·1	87	5·3	1	5	7	10	8	0	0	0	0	0	0	1	4	15	11	0	0	4	9	15	3	0	0	2	5	10	6	5	0
	9	13	992·7	–	41·5	1·5	7·9	87	5·7	0	0	11	16	4	0	0	0	0	0	0	0	5	10	16	0	0	3	12	13	3	0	0	4	6	7	7	2	2
	15	13	991·5	–	44·8	2·2	8·4	83	6·5	0	2	4	19	6	0	0	0	0	0	0	0	3	14	13	1	0	2	14	14	1	0	0	5	1	9	11	3	1
	21	13	991·8	–	42·6	1·5	8·2	87	5·7	1	5	4	14	7	0	0	0	0	0	0	1	5	17	8	0	0	4	7	15	5	0	0	2	4	6	7	7	0
	3	220	994·0	–	41·1	1·0	8·2	91	6·3	0	5	4	3	18	1	0	0	0	2	0	0	11	17	1	0	0	2	17	11	1	1	0	3	2	16	4	4	0
Antrim Aldergrove H	9	220	993·6	-18·1	40·6	0·9	8·1	92	6·1	0	3	7	7	14	0	0	0	0	1	0	0	9	15	6	0	0	4	15	12	0	3	1	5	2	10	7	1	2
	15	220	992·8	–	43·6	1·4	8·7	89	6·4	0	1	6	12	12	0	0	0	0	0	0	3	7	12	7	2	0	4	16	11	0	1	0	5	1	7	13	2	2
	21	220	993·3	–	41·5	1·1	8·2	91	5·9	0	7	3	6	15	0	0	0	0	0	0	1	12	12	6	0	0	5	13	13	0	0	1	4	1	14	7	4	0
	3	356	994·1	–	40·7	0·8	8·1	93	6·0	1	5	4	4	16	1	0	0	1	0	0	2	10	9	8	1	0	1	14	16	0	0	2	4	2	12	9	2	0
Nutts Corner H	9	356	994·0	–	40·4	0·9	8·1	93	6·4	0	3	5	7	15	1	0	0	0	1	0	2	0	12	4	9	3	0	5	10	16	0	1	1	5	2	13	5	1	3
	15	356	992·8	–	42·9	1·2	8·6	90	6·5	0	2	6	11	12	0	0	0	0	0	0	1	8	7	12	3	0	3	12	16	0	0	1	6	0	10	10	1	3
	21	356	993·3	–	41·1	0·8	8·2	92	5·6	1	6	3	8	13	0	0	0	0	1	0	3	7	8	11	1	0	3	14	12	2	1	0	3	1	13	9	2	0

H *See* Notes on Tables in the Introduction

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TABLE XIII —SOLAR RADIATION AND INTENSITY OF DAYLIGHT, DECEMBER 1959

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	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days	Max.	Date	Min.	Date	Mean	No. of days
Lerwick	37	4	3	1,8	14·5	31	21	24	2	1	10·7	31	36	4	4	1,6,8	15·0	31
Eskdalemuir	62	4	6	13	22·7	31	48	4	5	13	19·6	31	58	4	7	9	22·6	31
Cambridge	115	5	12	4	46·2	31	57	23	10	4	28·2	29	-	-	-	-	-	-
Kingsway	96	5	6	12	38·5	31	51	4,30	6	12	29·6	31	100	5	14	19	41·0	31
Kew	97	5	4	12	36·3	31	55	4	4	12	25·0	31	92	5	6	12	37·1	31
Aberporth	110	1	15	16	47·5	31	67	21	15	16	37·3	31	-	-	-	-	-	-

TABLE VIII—NUMBER OF DAYS IN DECEMBER 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Lerwick	0	6	24	1	0	0	0	0	0	0	0	2	24	5	0	0
Stornoway	0	1	28	2	0	0	0	0	0	0	0	3	20	8	0	0
Craibstone	0	6	24	1	0	0	0	0	0	0	0	5	26	0	0	0
Rothesay	0	7	24	0	0	0	0	0	0	0	0	5	26	0	0	0
Renfrew	1	1	26	3	0	0	0	0	0	0	0	5	19	7	0	0
Eskdalemuir	0	10	21	0	0	0	0	0	0	0	0	7	23	1	0	0
Douglas	0	0	25	6	0	0	0	0	0	0	0	0	21	10	0	0
Cockle Park	0	4	24	3	0	0	0	0	0	0	0	4	26	1	0	0
Gorleston	0	1	26	4	0	0	0	0	0	0	0	2	16	13	0	0
Cambridge	0	2	21	8	0	0	0	0	0	0	0	5	22	4	0	0

STATION	MAXIMUM TEMPERATURE °F.								MINIMUM TEMPERATURE °F.							
	32° or less	33° to 41°	42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Above 86°	5° or less	6° to 14°	15° to 23°	24° to 32°	33° to 41°	42° to 50°	51° to 59°	Above 59°
Birmingham	0	3	25	3	0	0	0	0	0	0	0	1	22	5	3	0
Kew Observatory	0	2	21	8	0	0	0	0	0	0	0	2	13	15	1	0
Hastings	0	1	19	11	0	0	0	0	0	0	0	1	16	14	0	0
Southampton	0	0	10	21	0	0	0	0	0	0	0	2	16	13	0	0
Stonyhurst	0	3	26	2	0	0	0	0	0	0	0	0	29	2	0	0
Bidston Observatory	0	0	26	5	0	0	0	0	0	0	0	0	25	6	0	0
Holyhead (Valley)	0	0	22	9	0	0	0	0	0	0	0	0	12	19	0	0
Falmouth	0	0	11	20	0	0	0	0	0	0	0	0	15	16	0	0
Aldergrove	0	2	25	4	0	0	0	0	0	0	0	5	20	6	0	0
Armagh	0	1	23	7	0	0	0	0	0	0	0	4	26	1	0	0

TABLE III—ADDITIONS AND CORRECTIONS

MONTH	STATION	TERMINAL HOURS OF OBSERVATION	HEIGHT OF STATION ABOVE MEAN SEA LEVEL	AIR TEMPERATURE IN DEGREES FAHRENHEIT								EARTH TEMPERATURE		RAINFALL				WEATHER NUMBER OF DAYS									BRIGHT SUNSHINE	
				MEANS OF				HIGHEST MAXIMUM AND LOWEST MINIMUM												PRECIP'N										
		Max. Min. Rain		A Max.	B Min.	MEAN TEMPERATURE MEAN OF A AND B	DIFFERENCE FROM AVERAGE	MAXIMUM	DATE	MINIMUM	DATE	1 FT.	4 FT.	TOTAL FALL	PERCENTAGE OF AVERAGE	AMOUNT	DATE	·01IN. (0·2MM.) OR MORE	·04IN. (1·0MM.) OR MORE	SNOW OR SLEET	SNOW LYING	HAIL	THUNDER HEARD	FOG (9H. G.M.T.)	AIR FROST	GROUND FROST	GALE	DAILY MEAN	PERCENTAGE OF AVERAGE
1958		G.M.T.	ft.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	in.	%	in.												hr.	%
June	Ambleside	999	151																									3·60	
October	Macclesfield	999	500											3·54	98														
November	Macclesfield	999	500											1·60	47				11										
Annual	Ambleside	999	151																									2·81	
	Macclesfield	999	500											41·68					189										
1959																													
January	Princetown	999	1359											13·65	126														
March	Thorney Island	21-99	10											2·29															
April	Dovercourt	999	11																							7			
	Askham Bryan	999	90																								2		
	Aberystwyth	999	12																			5							
	Gogerddan	999	103	54·9		48·4																							
June	Wirksworth	999	565	68·2		58·6																							
	Eastbourne	999	35			59·6	+1·0																						
July	Stonyhurst	999	377																									6·31	123
	Earls Colne	999	160	75·6	53·2	64·4	-	88	8	44	15	65·6	61·4	2·43	103	1·00	28	7	7	-	0	-	-	0	0	-	-	-	-
August	Stonyhurst	999	377																									5·53	

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Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

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

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Annual Summary 1959

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WIND SECTION

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REMARKS ON THE WEATHER OF THE YEAR

1959—A record-breaking year with a long and brilliant summer, a cold January, a dry February and a stormy and wet December

1959 was a warm, dry and sunny year generally. Mean temperature was above the average over the whole of Great Britain and Northern Ireland in every month except January. Rainfall was below, and sunshine above the average in England and Wales from May to October, and both Scotland and Northern Ireland had a rather similar run of sunny months except that sunshine was a little below the average in July. January was unusually sunny and cold and rather wet in England and Wales but dry in Scotland. February was unusually dry particularly in England and Wales. The year ended with two months of rather stormy wet weather, December being particularly wet in England and Wales.

Among the unusual features of 1959, the most outstanding was the long sequence of warm and sunny months in England and Wales, starting in May and continuing up to the end of September. This provided a marked contrast with the pattern of most of the last five or six years when a dry spring was followed by a wet summer and dry autumn. According to various estimates the period May to September 1959 was probably the driest such period in England and Wales since at least 1727. Mean temperature and sunshine during these months were also exceptional in England and Wales there having been only two years this century, 1947 and 1911, when the mean temperature over the five months was higher, and only one year, 1911, with more sunshine during this period since comparable records began in 1909. In Scotland May to September 1959 was also exceptionally warm, there having been only one year, 1933, that was warmer and one, 1947, that was equally warm over the period since at least 1901.

Other unusual features included a cold and sunny January, the coldest in England and Wales since 1947, the coldest in Scotland since 1945 and the sunniest over Great Britain since at least 1909; a February equally as dry as that of 1921 there having been only one drier February, 1891, in England and Wales, since at least 1868, and a very warm early October when temperature in parts of the Midlands and south-east England reached 83°F. on the 3rd, only 1°F. below the highest October temperature recorded in the British Isles this century. Barometric pressure over much of England and Wales on June 13 was more than 5 mb. higher than previously recorded anywhere in the British Isles in June.

General Weather. New Year's day was mild with strong westerly winds and outbreaks of rain, but weather soon became colder in Scotland and cold northerly winds subsequently persisted over much of the British Isles from *January* 2 to 13. Snow was frequent in northern Scotland and drifts 15–20 feet deep isolated some farms and villages in Caithness for a week or more. Temperature remained continuously below freezing in parts of south and east England from 7th to 10th and by the 10th snow had accumulated to a depth of 6 to 9 inches in part of the Midlands. A change to foggy conditions occurred on the 13th and this type of weather persisted until fresh south-westerly winds and heavy rainfall brought a general thaw to most districts four days later. Floods in the Thames and Severn valleys followed the thaw, the period 17th to 21st being very wet generally particularly in western districts. The last week of the month was cold and dry with a good deal of fog.

Anticyclones dominated the weather throughout *February*. The first three weeks were dry but persistently foggy in many areas. Rain on the 20th ended a period without measurable rain which in many parts of England and Wales had begun during the last week of January. Some places in south-east England missed this rain and had no measurable rain throughout the whole of February. Weather became very mild everywhere during the last week, and on the 27th and 28th temperatures reached the average for May.

March 2 was the fourth successive day, in parts of south-east England, with temperature above 60°F. The first week of the month was very wet with rainfall exceeding 1 in. in 24 hr. in various districts on the 3rd, 5th, 6th and 7th. Easterly winds on the 8th and 9th and from 15th to 20th brought dull weather with occasional snow showers to eastern and central districts; weather was changeable and milder during the intervening period. Changeable weather was renewed on the 22nd and persisted until the end of the month, with heavy rain in western districts of England and Wales on the 29th, and in western Scotland on the 30th.

The first few days of *April* were fine and warm, but an unsettled spell began about the 6th and continued until about the 17th broken only by a warm sunny day on the 13th when afternoon temperatures reached 70°F. in many parts of eastern England. A drier and more settled period followed persisting until rain spread to all districts on the 24th. There was heavy rain in western districts on the 25th and the remainder of the month was showery with occasional thunderstorms.

Weather became sunny and dry during the second week of *May* and continued so apart from comparatively short breaks in most parts of the British Isles until well into October, afternoon temperatures exceeding 80°F. at some time during

D/WRDup 2

each month of this period. By May 18 the London area, and many places from Yorkshire to Kent had had more than 15 days without measurable rain. Thunderstorms however were fairly widespread from 7th to 13th, but mainly in western districts, and there were severe thunderstorms in southern England on the night of the 21st/22nd.

A break occurred in the dry weather during the first ten days of *June* when occasional outbreaks of rain and severe thunderstorms affected many areas. Thunderstorms were also widespread on the 25th when as much as 3 in. of rain fell in 90 min. in the west Midlands. Generally however June was dry, sunny and warm.

July had many days of almost unbroken sunshine and high day temperature. 80°F. was exceeded on 15 days during the month and on two of these temperature during the afternoon rose to 90°F. or above. This latter temperature was exceeded over a large area extending from London to Cleethorpes on the 5th, the warmest day of the year, when 96°F. was reached in Lincolnshire. Most of England and Wales had only about half the average rainfall but isolated areas had much more, owing to the thunderstorms. During the last six days of the month weather became generally unsettled and rather cool.

August too was warm, sunny and very dry apart again from outbreaks of thundery rain which were exceptionally severe on the 10th in Cornwall and also on the 13th/14th when an unusually deep depression for the time of year moved northward off the coast of Ireland.

In many ways *September* was the outstanding month of an exceptionally fine summer. Over much of England the only day with any rain was the 21st and even then rainfall was very slight in the south-east; many parts of East Anglia and the west Midlands had no measurable rain throughout the month. It was easily the driest September in England and Wales since 1870 and the sunniest since 1911. Temperature exceeded 80°F. every day from 6th to 12th in some part of the country.

The fine warm weather continued during the first half of *October* but it became windy and rather cold during the latter part of the month. Rain on the 10th ended a period of 57 days without measurable rain in some places in eastern England which is comparable with the longest drought reliably recorded in the British Isles of 60 days during the late spring and summer of 1893. An intense depression moved across northern Scotland on the night of the 26th/27th preceded by exceptionally large falls of pressure, heavy rain and gale force winds.

November was changeable and rather wet particularly in parts of Devon and South Wales where twice the normal amount of rain fell during the month. There were a few rather cold foggy spells but it was mild on the whole with heavy rain at times especially during the second half of the month.

Winds were light during the first few days of *December* with fog in northern districts from 2nd to 4th. In the south December 3–8 was wet with some very heavy rain on the 6th, places in south-western districts recording over 2 in. in 24 hr. Similar falls occurred in northern England and in Scotland on the 8th. Fresh to strong easterly winds persisted over much of the country from 6th to 11th. A mild spell with south-westerly winds began about the 13th with afternoon temperatures reaching 50°F. over much of the country. During most of the second half of the month weather was wet and stormy. Wind reached gale force frequently and gales were severe locally. The rain was particularly heavy in southern England and the Lake District about the Christmas period, and in Scotland at the end of the month.

Synoptic Features

January—A vigorous depression crossed Scotland on the 1st followed by northerly winds which persisted over the British Isles, on the western flank of a low pressure area over Scandinavia, until the 13th. After three days of light winds several disturbances moved north-east across the country between the 17th and 22nd. Pressure thereafter rose rapidly and an anticyclone from Iceland moved south-east across the country reaching northern Germany on the 26th where it persisted for about three days. During the last three days of the month another anticyclone moved north-eastwards to Scotland.

February—The weather was anticyclonic for almost the whole of the month, the highest pressure being over Scandinavia and Russia for the first two weeks and thereafter over central Europe or our South-west Approaches.

March—The dominant systems during the first week were a vigorous depression to the south-west of the British Isles on the 2nd and a very deep depression to the west of Ireland on the 4th; both moved east and filled rapidly. An anticyclone moved from Iceland to southern Scandinavia from 7th to 9th and subsequently when the anticyclone became centred over Russia, fronts from the Atlantic moved slowly eastwards across the country. On the 15th an anticyclone formed to the west of Ireland and moving eastward joined with the Russian anticyclone to give a belt of high pressure across northern Europe to the British Isles from the 16th to 21st. During the last ten days the cyclonic weather spread from the Atlantic eastwards across the British Isles.

April—Pressure over the British Isles was fairly high during the first four or five days, but then depressions approached the country first from the north-west on the 6th, then from the west on the 11th and finally from the south-west on the 14th. On the 17th pressure rose rapidly, and by the 21st an anticyclone was centred over southern England, but this was displaced by a vigorous depression on the 25th, and the remainder of the month was mainly cyclonic.

May—Pressure was low over the Norwegian Sea at first but the associated westerly winds over the British Isles fell light and variable on the 3rd as depressions approached our south-western districts. During the second week an anticyclone developed in the Baltic area giving light east to south-east winds over the country, but on the 13th it moved westwards and for the rest of the month pressure was highest to the north and west of the British Isles with winds between east and north predominating.

June—Moderate westerly winds over the country, associated with a depression near Iceland, fell light on the 3rd, but were renewed again on the 6th as a deep depression approached Ireland. So afterwards an anticyclone spread north-east from the Azores and became the dominant system over the British Isles from 10th to 15th. Fresh north-westerly winds on the 16th and 17th were only a temporary interruption for an anticyclone was re-established over the country on the 19th but soon moved east to Scandinavia, and winds over the British Isles became light and southerly until the 26th. With small depressions moving slowly across the country winds for the remainder of the month were mostly between west and north.

July—For the greater part of the month a ridge of high pressure extended north-eastwards from the Azores to north-west Europe. Sometimes the ridge covered the British Isles but it often moved south to allow weak fronts to cross the country. A weak depression moved eastwards across the country between the 26th and 29th.

August—Anticyclones dominated the weather over the British Isles for most of the month except during the second week when at first weather was weakly cyclonic and then more markedly so on the 13th and 14th as an exceptionally deep depression for the time of year moved northwards off the coast of Ireland.

September—The anticyclonic conditions which dominated the preceding four months continued throughout September except for a brief interruption around the 20th.

October—The British Isles was in a southerly airstream during the first half of the month with the main depression track well to the west, although minor disturbances moved from the south-west across England on the 10th–13th. On the night of the 17/18th a small but vigorous depression moving from Scilly to the Wash, brought gales to the southern half of the country. Thereafter strong westerly winds continued, the main depression track now being well to the north of the British Isles, until northerlies developed behind an intense depression moving south-east from Iceland to the North Sea.

November—Weather types over the British Isles were mostly cyclonic in character. Depressions passed to the north of the country during the first and last ten days but moved overland during the middle part of the month.

December—An almost unbroken sequence of cyclonic disturbances moved over or near the British Isles during December as in November. On the 6th a depression became very deep to the west of the Bay of Biscay and another formed in the Bay on the 9th and for about a week there were fresh to strong easterly winds over much of the country. A westerly flow was restored on the 13th and for the remainder of the month a succession of Atlantic depressions passed over or to the north of Scotland.

Pressure and Wind. Mean pressures at 9 h. were below average over the whole of the British Isles in March, April, November and December, and above average in February and in every month from May to September inclusive; mean pressure was as much as 17·8 mb. above average at Spurn Head during February and 18·1 mb. below average at Aldergrove during December. At the beginning of February pressure over the British Isles was close to 1040 mb., and it rose to record levels all over the country on June 13, the highest recorded pressure being 1042·9 mb. at Clones in Ireland; the previous highest recorded June pressure in the British Isles being 1037·4 mb. at Rhayader in 1957. Over the year as a whole mean pressure was above average everywhere ranging from +0·1 mb. at Scilly and Plymouth to +1·9 mb. at Dyce and Wick.

Winds were predominantly south-westerly on 127 days during the year, and from south and west on 13 and 8 days respectively. Easterly winds prevailed on 55 days and south-easterly on 17. Winds were mainly from north or north-west on 87 days and light and variable on 58.

Gales were most frequent during December occurring on 22 days in Scotland and 16 in England and Wales; the corresponding figures for January were 17 and 11 and for February 19 and 13. The quietest months were May and September when wind reached gale force on only one day during each month. There were less than 10 days with gale during each of the three summer months June, July and August in both England and Wales, and in Scotland. Gales were reported more frequently during March and April in England and Wales, where they occurred on 14 and 15 days respectively, than in Scotland, which had 11 days of gale each month.

Mean hourly wind speeds exceeded 41 kt. in Scotland, Northern Ireland and southern England on October 27–28 and in Scotland, Northern Ireland, Wales and western districts of England on November 19. In December mean hourly wind speeds exceeded 41 kt. on many occasions in Scotland mainly during the 2nd, 6th–9th, 14th, 17th–19th and 29th–31st in parts of south-west England on the 7th and 8th and in western districts of England and Wales on the 26th to 28th. There were severe gales in northern Scotland on January 9 and 11 and February 13–14, 16–17, 19 and 26–27.

Gusts exceeded 80 kt. in Scotland during February, October and December; 84 kt. at Stornoway on February 25, 83 kt. at Bell Rock and Tiree on October 27 and 28 and 85 kt. at Dounreay on December 30. Gusts reached 79 kt. in England during October and November; at Dover on October 27 and at the Lizard on October 17 and November 13. A gust of 79 kt. was also recorded in Northern Ireland, at Nutts Corner, on October 27. The highest gust recorded in Wales during the year was 78 kt. on October 27 at Kete.

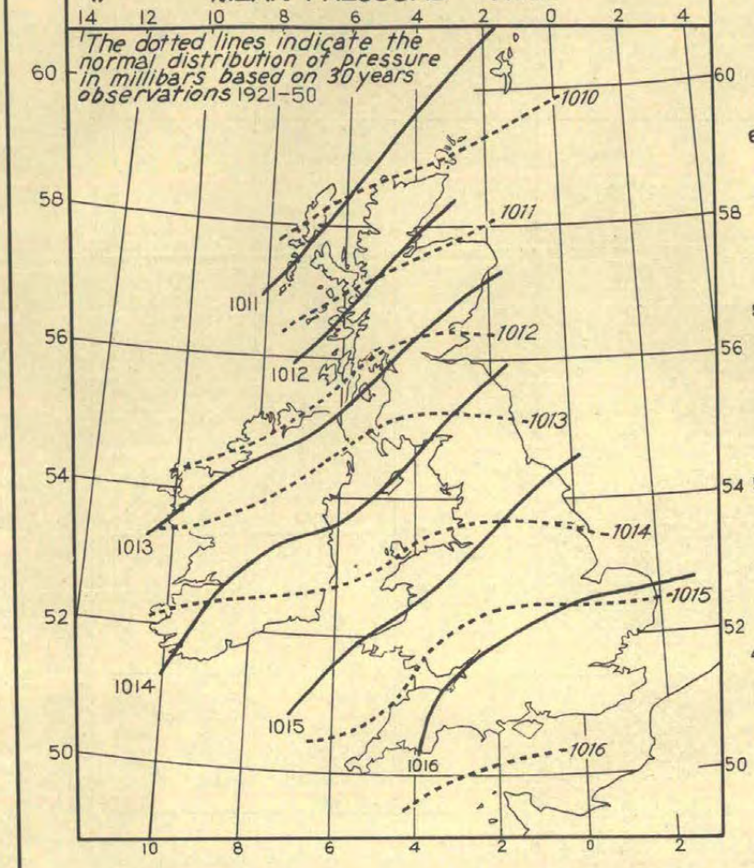
Temperature. Mean temperatures for the year exceeded the 1921–50 average in England and Wales and in Scotland by 1·6°F. and in Northern Ireland by 1·4°F. Except for January it was above the average every month in all three countries, October being the month with the greatest excess, more than 4°F. in each case. In England and Wales mean temperature was between 2°F. and 2½°F. above the average during six months of the year; during June and July positive anomalies were a little less than this, between 1½°F. and 2°F. At Worthing 1959 was the warmest year in a long series of records going back to 1852.

The period May to September during 1959 was the third warmest such five-month period in England and Wales since the beginning of the century. A table, compiled from average monthly temperatures representative of the Midlands shows that for this part of the country, this period was second only to 1947 for warmth since at least 1723. In Scotland 1959 had the second warmest such five-month period this century, being equalled by 1947 but exceeded only by 1933. In England and Wales, there have only been five warmer Junes, four warmer Augusts and two warmer Septembers since before 1901.

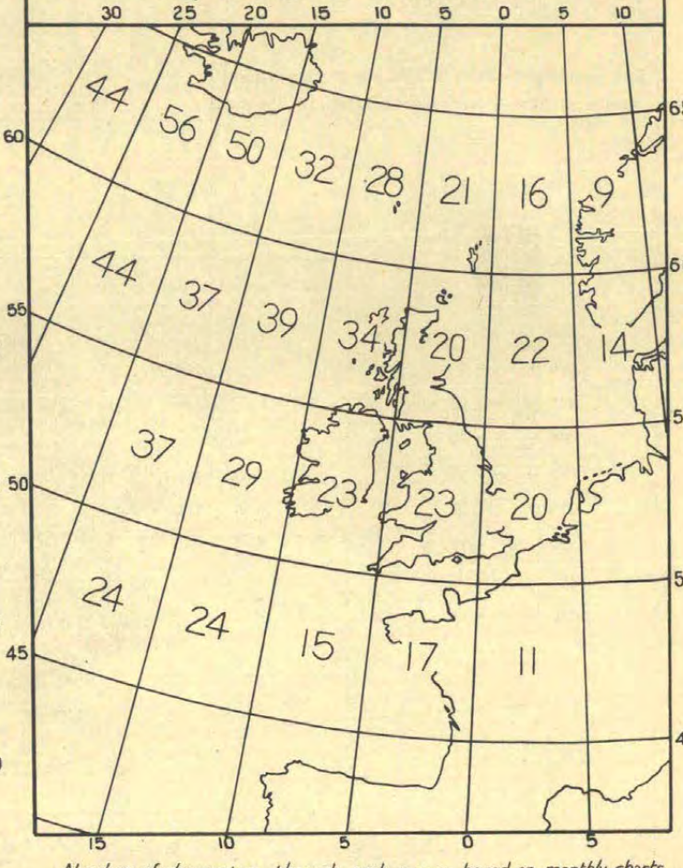
January was the coldest January since 1945 and the only month of the year with mean temperature below average. Temperatures however reached the fifties over much of the country between two cold periods which lasted broadly from 3rd to 17th and from 23rd to 26th. It was very cold in Scotland on the 6th and

ANNUAL WEATHER CHARTS YEAR 1959

1. MEAN PRESSURE 9A.M.

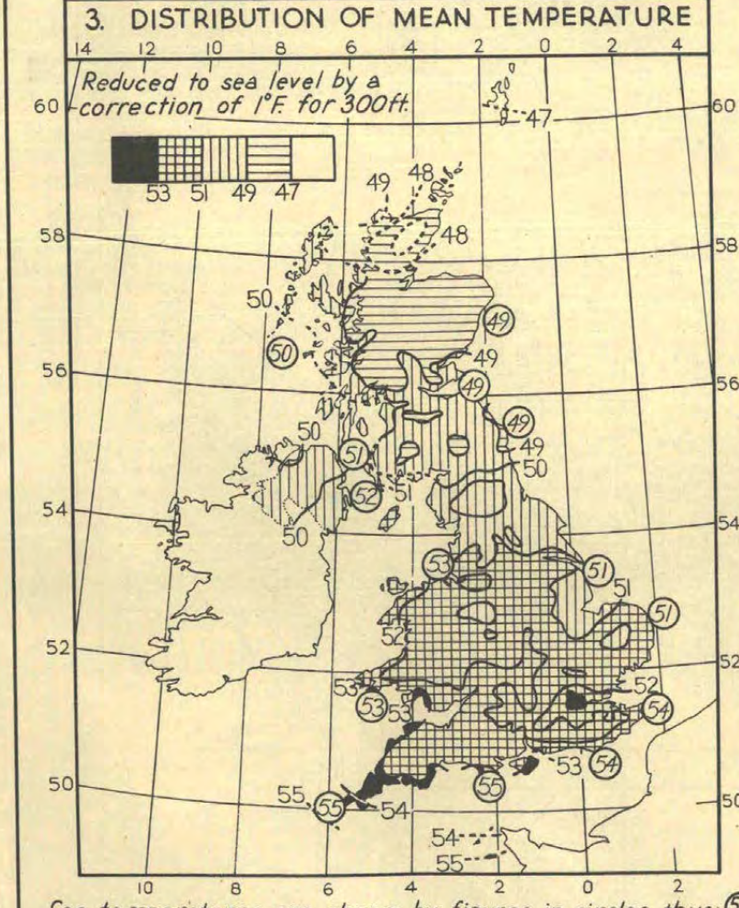


2. FREQUENCIES OF DEPRESSIONS



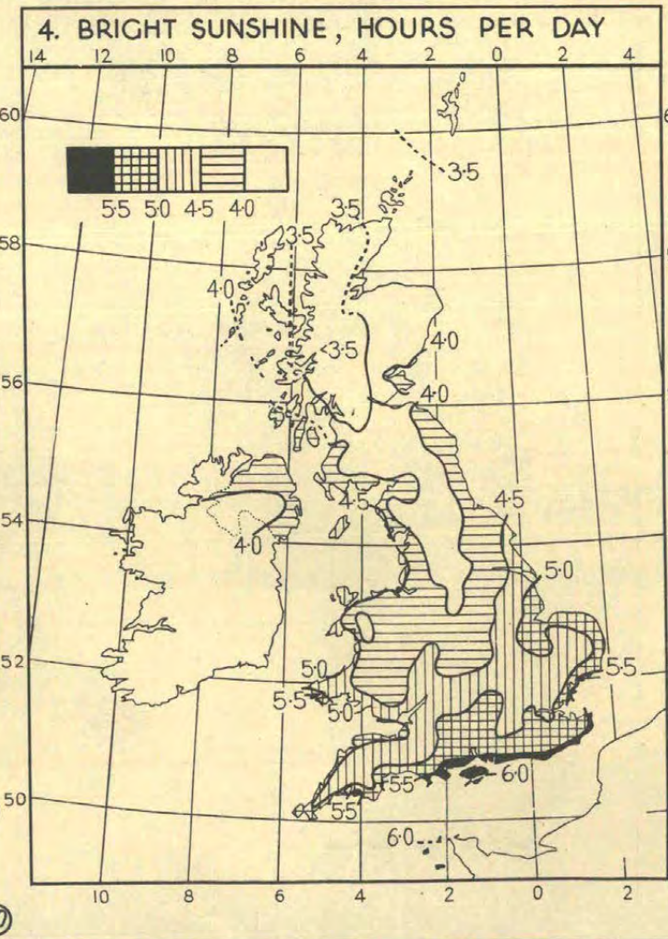
Number of depressions through each square, based on monthly charts.

3. DISTRIBUTION OF MEAN TEMPERATURE



Sea temperatures are shown by figures in circles, thus: (50)

4. BRIGHT SUNSHINE, HOURS PER DAY

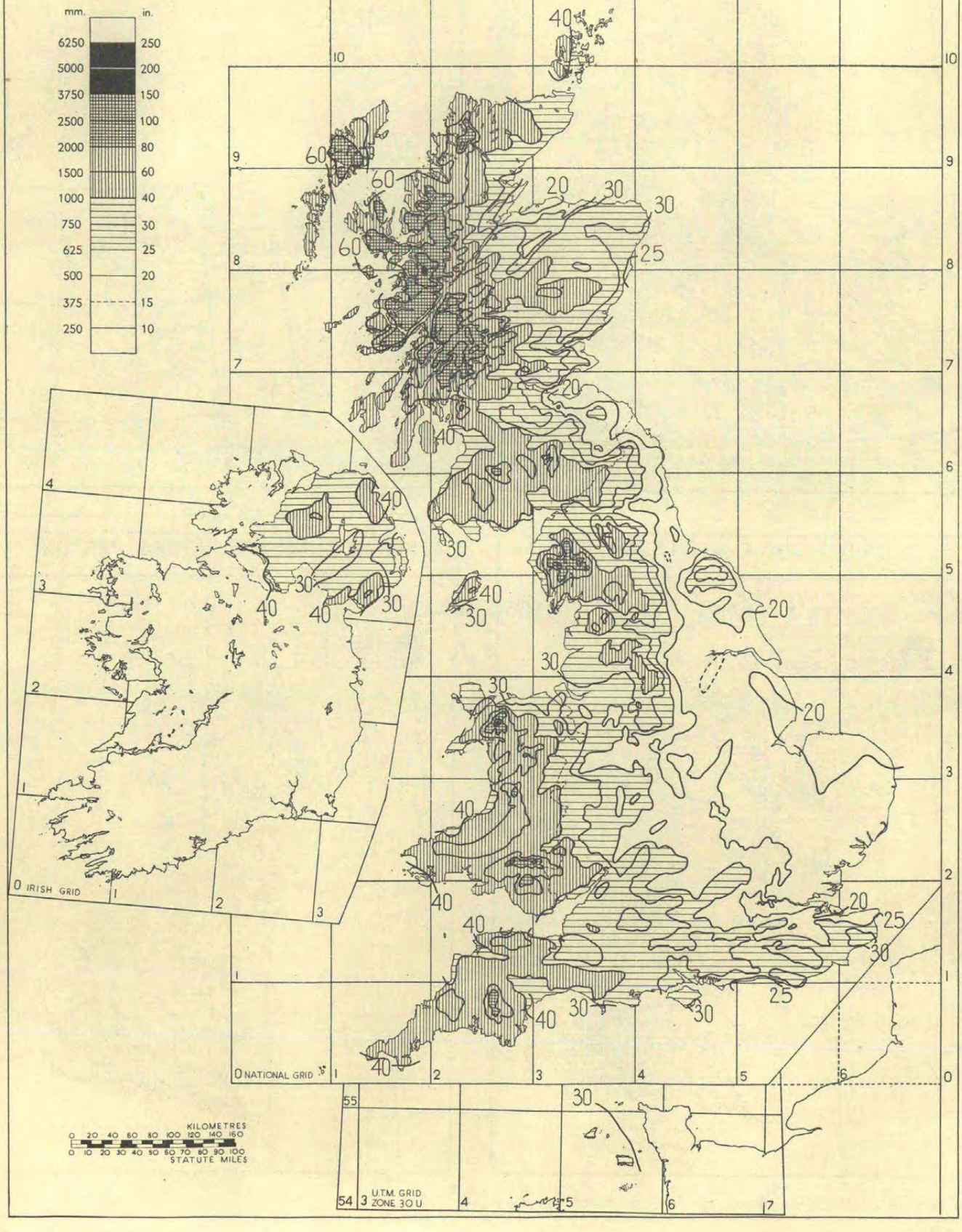


A.M. Form 1483

C.B.H. 34960 - Wt. 3006 - Dd. -1375 - 6/60

RAINFALL
1959

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



15th—screen temperature fell to 1°F. at Kincraig on 6th and 0°F. at Braemar on 15th. The first three weeks of *February* were rather cold but the month ended with unusually high temperatures—on the 28th temperature rose to 66°F. at Greenwich, only 1°F. below the highest February temperature recorded in the British Isles in 1891. The warm spell continued during the first two days of *March*; temperature again rose to 66°F. at Greenwich on the 1st and 64°F. was recorded locally at a number of places in south-east England on both the 1st and 2nd. The month was mild generally. *April* was a warm month remarkably free from air frosts. At mid-month the temperature rose to 69°F. in Scotland and to 71°F. at several places in eastern England. During *May* there were two cool and two warm periods; afternoon temperatures were in the fifties during the first week and around the 20th, but exceeded 80°F. around the 11th and rose to the middle seventies around the 24th. During *June* temperatures rose to 83°F. or 84°F. at a number of places in the Midlands, eastern and south-east England on the 17th and 24th and to 83°F. at Dundee on the 14th. On *July* 5 90°F. was exceeded over much of east and south-east England, temperature rising to 96°F. in Lincolnshire, the highest July temperature recorded in the British Isles since 1923. In England and Wales there have been only four warmer *Augusts* this century, those of 1955, 1947, 1933 and 1911. During *September* temperature rose above 80°F. in one part of the country or another every day from the 6th to 12th inclusive reaching 86°F. at Gatwick on the 11th. *October* was exceptionally warm during the first week; on the 3rd temperature reached 83°F. at a number of places in the Midlands and south-east England, the highest October temperature recorded in Britain since 1921. The mean temperature during October was considerably above the average but in *November* it was only slightly above the average, the second half of the month being considerably milder than the first. Mean temperature was well above the average in England and Wales during *December* but only slightly above in Northern Ireland where minimum temperatures were slightly below the average.

Extreme temperatures included:—(England and Wales) 96°F. at Gunby, Lincolnshire on July 5, 7°F. at Moor House on January 5 and 6; (Scotland) 83°F. at Dundee on June 14 and at a number of places on August 21; 0°F. at Braemar on January 15 and at Kincraig on February 4; (Northern Ireland) 80°F. at Armagh on June 14, 13°F. at Ely Lodge on January 16.

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

	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	−3·7	+0·4	+2·4	+2·2	+2·1	+1·4	+1·8	+2·6	+2·5	+4·2	+1·0	+2·5	+1·6
(b)	−4·7	+1·1	+2·4	+1·8	+2·9	+1·6	+1·1	+2·6	+2·4	+4·5	+1·9	+0·9	+1·6
(c)	−4·5	+2·1	+2·5	+1·1	+2·9	+1·7	+1·3	+2·4	+2·1	+4·3	+0·5	+0·4	+1·4

Precipitation. The general precipitation over the year was below the average over the whole of Great Britain and Northern Ireland, the greatest deficit being in Northern Ireland where the total was 5·5 in. (13 per cent.) below the average and the smallest deficit being in Wales where the total was 1·5 in. (3 per cent.) below the average. In spite of the exceptional summer, 1959 was by no means the driest year on record over England and Wales, there having been ten drier years in the present century, the most recent being 1955 and the driest 1921.

January had very variable rainfall. Scotland and Northern Ireland were generally much drier than usual but more than 150 per cent. of the monthly average was recorded from Dorset to the Wash. *February* was an exceptionally dry month in England and Wales; a number of places had their driest February in a long series of unbroken records, some extending back as long as 70 to 80 years. During *March* the southern part of the country was generally the wettest, especially an area extending from the Vale of Taunton to the Wash, where values exceeded twice the average locally. The wettest areas relative to the average during the generally wet month of *April* were on Dartmoor, in North Wales, the West Riding of Yorkshire and north-western Scotland. *May* began a series of five dry months in England and Wales and in Northern Ireland the month was the driest May since 1935. Less than 25 per cent. of the average occurred over much of East Anglia and the east and north Midlands. It was the driest *June* over England and Wales since 1951 and the general total of rainfall during the two months May–June was the smallest for these two months since 1940. On the night of *July* 10–11 an exceptionally severe thunderstorm moving from the Solent to Norfolk gave falls of rain exceeding 2½ in. at many places, but the month was generally dry in England and Wales in spite of some more heavy thundery rain on the 26th and 27th. The period May to July was the driest such period since 1949. Like the preceding three months *August* was mainly dry apart from scattered thunderstorms which were heavy in places during the second week. The greater part of northern England and southern Scotland had less than 25 per cent. of the average, but twice the average was exceeded in the Newquay area. Over England and Wales generally *September* was easily the driest September since comparable records began in 1870 and probably the driest since 1754. The total for the months May to September, 7·5 inches, is probably the lowest for these five months since 1727. Over Scotland it was the driest September, apart from that of 1933 which was as dry, since 1894. Less than 5 per cent. of the average was recorded over much of the Midlands, East Anglia, southern England and central and southern Pennines. *October* was dry during the first 7–10 days; on the 10th some places in eastern England ended a period without measurable rain which had lasted for 57 days. However, taking the country as a whole, it was the wettest October since 1954. The total rainfall for the year in England and Wales up to the end of *November* was the lowest since 1921. During November less than the average occurred over the greater part of the Thames Valley, East Anglia and the east Midlands but twice the average was exceeded in parts of Devon, south-west Wales and in the northern part of Northumberland. *December* was wet and stormy with rain on most days. The average was exceeded almost everywhere and more than twice the average occurred over south-western England, Kent and Sussex and over the central Pennines.

Thunderstorms. Thunderstorms were most frequent during May, June and July, occurring somewhere or other in England and Wales on 24, 19 and 18 days respectively. This compares with only 8 thundery days during April, and only 4 and 2 days respectively during August and September. Thunder was not heard in England and Wales during February but was recorded on one day in Scotland. It was more frequent than usual during the last two months of the year being heard at one place or another in England and Wales on 16 days in each month.

Among the "very rare" and "remarkable" falls of rain in short periods, mainly associated with violent thunderstorms, were:—

"Very rare" falls:

May 12	2·68 in. at Sedbergh, Yorks. W.R., in 105 min.
May 12	2·86 in. at Kentchurch Court, Herefordshire, in 120 min.
June 25	3·00 in. at Hanham, near Bristol, in 90 min.
August 10	2·59 in. at Newquay, Cornwall, in 75 min.
August 21	1·99 in. at Hackney, London E.8, in 37 min.

"Remarkable" falls occurred on May 10 and 11, June 25, 26 and 28, July 5, 7 and 11, August 10, 21 and 22.

Dry Periods. A number of areas had no measurable rain from the last week of January until *February* 20, and some stations in south-east England had no rain at all during the whole of February. Most of south-east England, East Anglia and the east and north Midlands had no measurable rain from *May* 4 to May 18 inclusive and much of north-west England (including the Lake District) and eastern and northern Scotland had no rain from May 13 to 28. There was no measurable rain in most areas from *June* 10 to 24, and during *August* central Wales and most of England, except the west Midlands and the south-west, had no rain from the 14th until the end of the month. Periods of 15 days or more without measurable rain occurred over most of England and Wales, central Scotland and the eastern part of Northern Ireland during *September*, and by the end of the month some parts of eastern England had had no measurable rain for 48 days, while by *October* 10 a few places had had none for 57 days.

Snow. There was considerable snow over much of the country, except the south-east, during *January*, but any falls during other months were mainly slight.

In January snow showers were frequent in Scotland with more prolonged falls on the 1st, 11th and 18th; in places there were severe blizzards with heavy drifting. Snowstorms in the Shetlands were unusually severe; on the 11th all roads in the islands were blocked by snow and drifts in some places were 12 ft. deep. Conditions in Caithness were almost as bad and some farms and villages in the county were isolated for nearly two weeks by drifts 15–20 feet deep. Ground was snow-covered over much of eastern England from 4th to 17th, and over much of the rest of the country, except south-east England, from 7th to 17th. It was 6–9 in. deep in parts of the Midlands and 4–6 in. over a large part of the remainder of the country; local falls of 6–8 in. occurred over high ground on Dartmoor around the 15th. Considerable flooding followed a general thaw on the 17th.

Snow or sleet showers occurred mainly in Scotland during *February*, *March* and *April* and locally in the north of Scotland even during the first few days of *May*, but they were generally light. Ground was snow-covered in many parts of northern Scotland during the first half of February and snow and sleet showers were widespread in Scotland on the 20th and 21st. They were fairly widespread during March in eastern and central districts of the British Isles on the 18th and 19th and were also widespread in Scotland on April 6–10 and 28–30 and fairly widespread in England on April 7.

Sleet was widely reported in Scotland during *October*, and occurred over high ground in northern England and North Wales on the 27th. Snow fell in Scotland from *November* 9 to 13 and in northern England on the 13th. During *December* it fell on about 21 days in Scotland and 11 days in England and Wales but ground was snow-covered for only 6 days in Scotland, elsewhere only the highest ground in the north was covered. On December 23 snow showers occurred as far south as St. Mawgan and the Channel Islands.

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

	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	111	14	114	130	44	81	83	44	11	92	123	181	88
(b)	71	44	91	125	53	112	122	51	37	106	139	141	92
(c)	64	41	123	122	50	87	102	35	47	122	110	132	87

Sunshine. 1959 was an exceptionally sunny year. In England and Wales it was the sunniest year since 1911 with sunshine considerably above the average during every month from May to October inclusive. In Northern Ireland sunshine was below the average only during February and July, and even then by not more than 5 per cent.

January was exceptionally sunny, many districts, including parts of the London area, having twice their average amount. *February* was unusually dull from about 5th to 18th, especially in the Midlands and north-east England where some places had no sunshine at all for 13 days; the last days of the month however were brilliantly sunny. In northern Scotland it was a sunny February; at Gordon Castle the sunniest since records began there in 1909. *March* was generally rather dull in England, Wales and Scotland, but sunshine was above the average in parts of the London area, the extreme south-west of Cornwall and in North Wales. *April* sunshine was generally above the average in the Midlands, north-east England and east Scotland but mainly below elsewhere. *May* began a long series of sunny months over most of the country but there were periods of rather dull weather during May along the east coast; parts of the east coast of Scotland had their dullest May for five years. Only a few places during *June* reported less than 95 per cent. of their average sunshine, generally it was well above average. In *July*, although weather was dull in Scotland there were many days of almost unbroken sunshine in most districts; parts of south-east England had between 14 and 15 hours daily from the 4th to the 7th inclusive, and at Kew it was the sunniest July since 1928. Over much of the country it was the sunniest *August* since 1947. During *September* a number of places in south-west England had almost twice their normal amount of sunshine, among these was Plymouth Hoe with a daily mean of 9·3 hours, nearly 2 hours per day more than the average

there for June. It was the sunniest *September* since 1911 in parts of southern England while at Eastbourne it was the sunniest since 1895. The fine sunny weather of the previous five months continued during the first half of *October* making the month the sunniest October in England and Wales since at least 1909. By the 16th of *November* the total sunshine recorded at Kew since the beginning of the year exceeded the amont recorded during the whole of any previous year since records began in 1881. Over November as a whole sunshine was slightly below average, ranging from 56 per cent. at York to 140 per cent. in central London. *December* sunshine was very variable; it was above average in parts of the Midlands and north Scotland but below in most other districts. Coastal districts of Kent, Sussex and East Anglia had only about half their average amounts.

The following table gives the monthly and annual percentages of the average sunshine for the period 1921–50 for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
(a)	171	91	83	98	121	115	132	122	146	139	98	75	118
(b)	175	102	92	96	114	109	97	102	132	128	90	67	108
(c)	180	95	109	104	120	123	98	112	130	115	115	100	115

Fog. Fog occurred most mornings at one place or another in England and Wales during January, February, March, September and October; during November and December it occurred on 24 days. Fog was rather less frequent in Scotland during these months but occurred on at least 17 days, except during February and November when there were 14 and 13 days of fog respectively. Fog was reported during the remaining months of the year April to August on between 8 and 12 days, except during May when Scotland had 15 days of fog and England and Wales 17.

In January, the worst month of 1959 for fog, there were two main periods; widespread fog persisted throughout the day in many areas from 13th to 16th inclusive and during the last week of the month. Fog persisted in Lincolnshire from 23rd to 29th, the longest period of fog since 1952. Fog was also widespread persisting into the afternoon in many districts on February 5 and 9 and on March 22 and 23.

Miscellaneous Phenomena. The aurora was seen in Scotland on a total of 179 nights during the year, and in the south of England on four nights. It was visible most frequently in Scotland during January, April and November on 23, 20 and 21 nights respectively and least frequently during June and July, there being no display during the whole of June and on only two nights during July. During all the other months it was seen on 15 to 18 nights except in May when it occurred on only 12. The aurora was observed in the south of England on the nights of May 27/28 and 28/29 and on September 3/4 and 4/5.

TABLE I.—DISTRICT VALUES FOR THE YEAR 1959 [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					
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	%		%
0 SCOTLAND, N.	80*	0†	+1·6	+1·1	+1·4	—	—	100	−29	106
Eastern										
1 SCOTLAND, E.	83	0	+2·0	+1·3	+1·7	—	—	74	−37	109
2 ENGLAND, N.E.	96**	10	+2·1	+0·7	+1·4	+1·3	+0·7	75	−42	114
3 ENGLAND, E.	94	12	+1·8	+1·0	+1·4	+1·1	+1·0	82	−25	119
4 MIDLAND COUNTIES	93	7	+2·2	+1·3	+1·8	+1·3	+1·6	92	−28	119
5 ENGLAND, S.E.	94	14	+2·6	+1·2	+1·9	+1·5	+1·3	87	−22	120
Western										
6 SCOTLAND, W.	83	8	+1·9	+1·4	+1·6	+1·1	+1·2	87	−23	109
7 ENGLAND, N.W. (*and N. Wales*) ..	87	7	+2·3	+1·6	+1·9	+1·0	+1·3	88	−35	121
8 ENGLAND, S.W. (*and S. Wales*) ..	86	8	+1·8	+1·0	+1·4	+1·7	+1·2	105	−15	113
NORTHERN IRELAND	80	13	+1·9	+0·9	+1·4	—	—	—	−42	115

* At Kincraig, Inverness-shire on Aug. 21st. ** At Gunby, Lincolnshire on July 5th.
† At Kincraig, Inverness-shire on Feb. 4th. Annual values for these stations are not available.

TABLE II.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—THE YEAR 1959 [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 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation			Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT					EARTH TEMPERATURE		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE	
					Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum			Total Fall	Percentage of Average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Hours per day	
	Max.	Min.	Rain		A Max.	B Min.				1 ft.	4 ft.			Amount	Date	·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more							Daily Mean	Percentage of Average
	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F. °F.	°F.	°F.	in.	%	in.											hr.	%
0. SCOTLAND, N.																											
Zetland Lerwick Obs'y ¶§	21	9	9	269	49·7	42·4	46·1	+1·4	66 16	—	—	36·16	89	·99	18 Oct.	223	163	39	25	49	3	18	33	56	59	3·21	108
Baltasound ..	9	9	9	78	51·0	42·2	46·6	—	66 18	46·1	—	39·95	89	1·12	18 Oct.	236	186	56	24	21	4	7	32	—	42	3·20	—
Orkney Sule Skerry ..	9	9	9	43	51·2	45·7	48·5	—	69 27	—	—	42·20	—	1·49	18 Jan.	233	182	12	5	25	0	4	11	16	24	—	—
Grimsetter ..	21	9	9	84	51·9	42·7	47·3	—	71 18	—	—	36·10	92	1·27	18 Jan.	219	168	49	11	54	6	4	32	48	24	3·56	—
Caithness Wick .. ¶§	21	9	9	119	52·2	42·6	47·4	+1·4	73 17	—	—	31·65	106	1·18	18 Jan.	205	147	28	20	43	4	4	46	63	18	3·63	103
Sutherland Cape Wrath ..	21	9	9	367	51·5	44·8	48·1	—	76 27	—	—	48·73	103	2·26	18 Jan.	219	179	32	9	12	1	22	13	27	16	—	—
Lairg (Achany) ..	9	9	9	240				—	— 9	—	—	37·59	—	1·24	26 Oct.	210	157	—	—	—	—	—	—	—	—	—	—
Strathy ..	9	9	9	120	54·0	40·3	47·1	—	77 19	—	—	43·25	—	1·35	30 May	223	166	41	24	16	6	3	67	—	3	3·40	—
Ross & Stornoway ¶§	21	9	9	11	53·1	43·5	48·3	+1·2	70 16	—	—	48·85	124	2·05	18 Jan.	233	184	27	17	45	4	1	42	53	38	3·59	108
Cromarty Achnashellach ..	9	9	9	220	54·7	40·5	47·6	+1·0	76 15	—	—	87·67	108	2·22	26 Oct.	258	206	—	26	—	—	4	70	—	—	—	—
Kinlochewe ..	9	9	9	76	55·8	41·8	48·8	—	78 11	—	—	81·44	—	4·02	23 Oct.	223	189	25	37	11	8	0	53	101	1	2·83	—S
Fortrose .. ¶§	9	9	9	15	53·4	44·3	48·9	+1·6	73 24	—	—	22·03	87	·99	14 Nov.	162	112	19	16	2	4	3	31	—	18	3·70	105
Inverness Benbecula ..	21	9	9	19	53·3	45·1	49·2	—	72 21	—	—	49·38	110	1·22	17 Oct.	239	186	27	7	41	3	0	26	50	45	3·91	—
Isle of Rhum ..	9	9	9	15	55·4	44·0	49·7	—	74 22	50·7	—	104·74	—	2·92	7 June	243	210	20	11	31	12	0	33	76	42	—	—
Duntulm	9	9	9	294	53·3	43·9	48·6	—	73 25	—	—	59·78	113	1·72	8 Nov.	236	201	19	2	38	7	4	18	48	29	3·58	—
Onich .. §	9	9	9	48	54·8	42·6	48·7	—	75 17	—	—	77·50	95	1·68	11 July	231	218	13	19	9	6	2	48	91	6	3·05	108S
Fort William ¶	9	9	9	34	55·8	42·5	49·1	+1·3	78 15	48·2	48·5	78·47	99	2·08	7 June	241	197	20	19	7	11	5	47	84	7	3·08	—
Fort Augustus ..	9	9	9	70	54·7	41·2	47·9	+1·2	78 12	—	—	42·61	—	1·50	26 Oct.	211	163	17	24	1	4	12	61	—	12	3·23	—
Cannich	9	9	9	350	—	—	—	—	77 2	—	—	41·59	—	1·59	8 Nov.	187	157	17	46	0	5	5	—	—	3	—	—
Dalwhinnie ..	18	9	9	1176	—	—	—	—	— 4	—	—	48·72	99	—	—	205	170	—	—	—	—	—	—	—	—	—	—
Inverness	9	9	9	13	55·3	42·1	48·7	—	77 19	—	—	22·44	—	1·09	28 June	134	100	—	—	—	—	9	51	110	3	3·84	—
Glenmore Lodge ..	9	9	9	1120	53·1	36·9	45·0	—	78 6	—	—	33·27	—	1·97	17 Oct.	175	129	48	47	12	7	2	119	169	0	3·75	—S
1. SCOTLAND, E.																											
Nairn Nairn .. ¶§	9	9	9	20	55·4	41·1	48·3	+1·2	78 15	—	—	18·17	73	·72	28 June, 13 Nov.	—	108	14	15	3	2	1	73	—	6	3·91	111
Moray Grantown-on-Spey	9	9	9	720	54·9	36·1	45·5	—	82 1	—	—	24·82	—	1·12	26 Oct.	190	114	—	49	—	—	—	131	148	—	—	—
Forres	9	9	9	155	55·7	41·3	48·5	—	80 17	48·5	48·2	19·30	78	·74	26 Oct.	153	106	19	21	6	4	1	58	100	5	3·75	—
Kinloss	21	9	9	15	55·3	41·5	48·4	—	79 15	—	—	18·90	—	·82	26 Oct.	161	113	26	18	23	7	1	68	112	15	4·04	—
Findhorn	21	21	9	20	54·8	42·9	48·9	—	79 20	—	—	19·20	—	·72	26 Oct.	167	109	19	—	10	5	—	39	77	10	—	—
Elgin	9	9	9	92	56·1	42·4	49·3	—	80 17	—	—	20·19	—	·83	27 July, 26 Oct.	165	110	8	16	0	2	0	49	69	2	3·81	—
Gordon Castle ..	9	9	9	104	56·2	40·7	48·5	+1·2	81 18	—	—	23·41	79	1·09	13 Nov.	164	108	—	—	—	—	—	66	—	4	3·69	105S

¶§ District Value Stations. ¶ For rainfall and temperature. § For sunshine. S Sunshine exposure imperfect.

TABLE III (*continued*)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation			Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT					EARTH TEMPERATURE		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE	
						Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Most in a day	Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Hours per day	
		Max.	Min.	Rain		A Max.	B Min.				1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more								Daily Mean	Percentage of Average
		G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.											hr.	%
1. SCOTLAND, E.—*contd.*																												
Banff	Glenlivet ..	9	9	9	1085	52·5	37·1	44·8	—	78	7	—	—	31·49	86	1·28	18 Nov.	193	130	48	46	10	3	9	107	159	15	3·92	—
Aberdeen	Braemar	9	9	9	1113	—	—	—	—	77	0	—	—	33·12	91	1·90	17 Oct.	189	136	—	50	—	—	—	—	—	—	3·21	—S
	Balmoral	9	9	9	927	53·0	37·1	45·1	+1·4	77	6	—	—	31·38	94	1·70	17 Oct.	184	122	16	45	1	1	—	109	126	1	—	—
	Logie Coldstone ..	9	9	9	608	54·7	38·3	46·5	+1·4	79	8	—	—	27·12	—	1·57	17 Oct.	169	105	23	44	1	2	—	97	—	3	—	—
	Fyvie Castle ..	9	9	9	218	54·7	39·9	47·3	—	82	8	—	—	27·10	—	1·00	17,27 Oct,18 Nov	170	140	14	—	6	0	—	86	126	—	3·63	—
	Craibstone ¶§	9	9	9	300	53·7	41·5	47·6	+1·7	79	18	47·5	47·3	27·49	81	1·13	17 Oct.	174	121	21	23	10	5	8	46	66	13	3·99	104
	Dyce	21—9	9		190	54·3	40·8	47·5	—	82	12	—	—	26·41	75	1·22	17 Oct.	164	120	26	23	23	8	8	73	95	6	3·95	—
	Aberdeen	9	9	9	170	54·0	41·9	47·9	—	81	18	—	—	24·30	74	1·24	17 Oct.	168	118	19	22	10	3	20	49	102	10	3·92	—
	Rattray Head ..	21—9	9		85	52·2	43·4	47·8	—	78	10	—	—	30·41	107	1·26	17 Oct.	200	134	23	1	17	4	9	36	—	32	3·89	—
Kincardine	Fettercairn ..	9	9	9	560	53·0	40·3	46·7	—	81	21	—	—	37·54	—	1·27	17 Nov.	190	141	20	20	3	7	19	66	129	13	3·77	—
	Stonehaven ..	9	9	9	12	54·0	41·3	47·7	—	81	19	—	—	25·18	83	1·48	27 Oct.	170	120	11	17	3	6	21	61	—	4	3·91	—
	Muchalls	9	9	9	210	53·1	41·9	47·5	—	81	23	—	—	24·83	—	1·39	31 May	172	115	11	16	1	7	11	46	94	1	—	—
Angus	Dundee (Mylnefield)	9	9	9	100	54·8	41·6	48·2	—	82	16	48·0	48·1	22·70	—	1·14	13 Nov.	165	107	8	4	3	5	14	58	106	3	3·98	—
	Dundee .. ¶	9	9	9	147	55·7	42·7	49·2	+2·0	83	21	48·5	—	24·74	80	1·10	13 Nov.	176	117	14	15	7	2	—	44	108	1	—	—
	Glamis Castle ..	9	9	9	200	54·3	39·4	46·9	—	80	12	—	—	31·99	—	1·82	13 Nov.	187	130	13	15	5	7	16	80	—	11	—	—
	Buddon Ness ..	9	9	9	15	54·4	41·0	47·7	—	80	11	—	—	23·41	83	1·27	27 July	166	106	5	—	8	5	12	65	—	15	—	—
	Carnoustie ..	9	9	9	29	55·4	43·3	49·3	—	82	20	50·8	—	22·10	76	1·00	13 Nov.	147	107	8	8	8	4	13	41	80	4	4·32	—
	Arbroath	9	9	9	95	54·0	42·9	48·5	+1·5	81	20	—	—	20·52	78	1·02	20 Dec.	148	106	7	6	4	3	23	39	61	3	4·29	105
	Montrose	9	9	9	200	—	41·6	—	—	—	20	—	—	26·94	94	1·28	27 July	164	116	9	22	2	6	6	56	—	4	—	—
Perth	Strathyre	9	9	9	425	55·1	38·2	46·7	—	76	11	48·0	47·9	69.26	—	1·98	17 Dec.	184	166	24	11	1	5	10	77	88	15	—	—
	Loch Tay (Ardtalnaig)	9	9	9	427	54·6	41·3	47·9	—	77	18	—	—	48·26	—	2·53	6 Dec.	188	145	15	2	6	11	13	53	79	3	—	—
	Pitlochry	9	9	9	473	—	38·4	—	—	—	11	—	—	33·22	—	1·54	6 Dec.	178	133	12	19	3	4	9	88	103	1	3·55	—
	Pitlochry (Faskally)	9	9	9	310	55·0	39·9	47·5	—	77	11	48·5	48·3	33·94	—	1·83	17 Oct.	191	135	16	18	5	2	17	73	111	0	—	—
	Perth	9	9	9	77	55·9	41·3	48·6	+1·2	80	10	—	—	26·69	87	1·47	26 July	173	118	9	2	5	3	17	61	89	5	3·79	105
	Glenshee Lodge ..	9	9	9	1100	52·4	36·9	44·7	—	76	7	—	—	51·39	—	2·95	6 Dec.	211	154	48	30	11	12	9	109	130	7	—	—
Fife	Kirkcaldy ..	9	9	9	137	54·8	42·2	48·5	+0·8	79	16	—	—	24·35	82	1·66	28 June	154	115	4	18	3	4	12	60	—	8	3·87	105
	Cupar	9	9	9	82	55·8	—	—	—	81	—	48·4	—	25·64	—	1·50	13 Nov.	152	109	6	7	6	5	15	—	89	4	—	—
	Lundin Links ..	9	9	9	40	55·1	43·1	49·1	—	81	21	—	—	21·09	—	1·21	26 July	132	101	3	12	2	4	14	38	—	0	4·18	—
	Leuchars	21—9	9		35	54·8	43·0	48·9	+1·6	81	19	—	—	22·52	84	1·27	13 Nov.	154	96	10	7	7	5	12	51	70	8	4·31	107
Midlothian	Balerno	9	9	9	700	55·7	39·9	47·8	—	79	11	—	—	25·12	—	1·25	14 Nov.	159	131	—	16	—	—	—	67	142	—	3·82	—
	Midcalder ..	9	9	9	400	54·9	40·4	47·7	—	79	15	—	—	25·45	—	1·12	26 Oct.	167	124	4	17	1	4	10	62	81	0	—	—
	Turnhouse ..	21—9	9		114	55·7	41·7	48·7	—	79	14	—	—	19·64	73	·76	26 July	158	98	13	11	6	7	17	62	80	11	3·82	—
	Edinburgh—																												
	East Craigs ..	9	9	9	200	55·4	41·8	48·6	—	81	16	—	—	19·18	—	·99	26 July	149	97	5	11	4	8	21	57	87	0	—	—
	Davidson's Mains	9	9	9	200	55·1	42·3	48·7	—	77	18	—	—	19·69	—	·80	26 July	157	100	6	12	5	10	12	52	104	0	3·70	—
	Penicuik	9	9	9	620	54·7	40·0	47·3	—	81	13	47·6	—	24·73	—	1·08	26 Oct.	171	126	25	20	3	8	11	72	87	4	3·36	—S
	Bush House ..	9	9	9	605	54·0	40·3	47·1	—	80	14	47·1	—	22·18	—	1·00	26 July	168	110	9	17	0	4	21	69	—	0	3·37	—
	Edinburgh—																												
	Blackford Hill ¶§	9	9	9	441	54·9	43·6	49·3	+1·9	81	21	—	—	18·04	65	·79	14 Nov.	140	95	6	12	2	4	14	36	57	4	3·98	105
	Liberton ..	9	9	9	200	55·8	42·5	49·1	—	83	18	—	—	17·93	—	·80	27 July	100	91	—	18	—	—	19	44	—	—	3·66	—
	Botanic Garden	9	9	9	74	56·0	41·8	48·9	—	79	12	48·4	—	17·14	—	·75	14 Nov.	132	90	9	11	5	7	19	61	119	2	3·82	—
E. Lothian	Haddington ..	9	9	9	162	55·7	41·6	48·7	—	83	17	—	—	16·24	—	·85	13 Nov.	145	75	5	7	5	8	7	61	72	6	4·08	—
	North Berwick ..	9	9	9	51	55·8	43·7	49·7	+2·0	80	20	—	—	17·52	68	·76	15 Nov.	159	89	4	0	2	3	15	39	—	3	3·55	96
	Dunbar	9	9	9	75	55·2	44·3	49·7	—	79	20	—	—	15·43	—	·75	4 Dec.	124	72	2	0	2	5	0	32	59	0	4·68	—
Berwick	Marchmont ¶§	9	9	9	498	54·7	41·0	47·9	+1·5	82	18	—	—	21·67	71	1·26	26 July	149	107	—	20	—	—	8	55	—	—	4·03	117
	St. Abb's Head ..	9	9	9	245	52·1	44·8	48·5	—	75	24	—	—	14·94	—	·91	4 Dec.	130	88	7	3	4	4	29	23	29	25	—	—
Peebles	Broughton ..	9	9	9	741	54·0	39·5	46·7	—	80	9	—	—	43·81	—	1·45	13 Nov.	185	161	25	23	0	8	0	68	100	1	—	—
	Blyth Bridge ..	9	9	9	830	53·4	40·0	46·7	—	81	10	—	—	28·40	—	1·08	13 Nov.	199	140	21	23	6	6	7	63	111	4	3·67	—
	West Linton ..	9	9	9	800	53·4	38·9	46·1	—	81	10	47·0	47·8	27·71	—	1·20	26 Oct.	188	134	20	27	8	11	12	71	94	9	—	—
Selkirk	Selkirk (Bowhill) ..	9	9	9	600	55·0	39·8	47·4	—	83	13	—	—	28·43	—	1·28	17 Oct.	171	125	21	18	7	15	24	70	—	14	—	—
Roxburgh	Hawick (Wauchope)	9	9	9	560	—	39·0	—	—	—	11	—	—	29·94	—	1·01	13 Nov.	161	130	—	20	—	—	4	69	—	—	—	—
	Sourhope	9	9	9	900	54·4	40·7	47·5	—	82	15	—	—	28·36	—	2·02	13 Nov.	152	117	18	20	3	9	4	61	99	4	4·24	—
6a. SCOTLAND, W.																													
Argyll	Tiree .. ¶§	21—9	9		29	54·0	46·0	50·0	+1·5	72	24	—	—	40·00	91	1·05	17 Oct.	230	172	11	2	39	11	0	11	51	30	3·90	99
	Rhuvaal	21—9	9		47	54·0	46·3	50·1	—	72	31	—	—	53·16	—	2·28	11 July	210	179	12	0	14	5	0	8	23	27	—	—
	Colonsay	9	9	9	87	55·4	44·0	49·7	—	73	21	—	—	44·47	84	1·27	11 July	286	194	—	—	—	—	16	27	—	—	—	—
	Loch Shiel (Polloch)	9	9	9	33	55·3	42·1	48·7	—	77	14	—	—	90·18	—	2·36	23 Nov.	241	215	—	—	—	—	—	48	69	—	—	—
	Tarbert (Achaglachgach) ..	9	9	9	40	56·4	—	—	—	75	—	—	—	55·30	—	2·38	11 July	210	183	9	2	18	12	0	—	—	0	—	—
	Lephinmore ..	9	9	9	30	55·5	43·5	49·5	—	75	20	—	—	60·21	—	2·40	11 July	216	183	6	0	7	6	10	39	—	0	3·51	—S
	Glenbranter ..	9	9	9	120	54·9	40·9	47·9	+0·9	76	13	—	—	84·19	89	2·35	17 Oct.	200	186	—	7	—	—	10	68	84	—	—	—
	Dunoon Waterworks	9	9	9	228	55·7	43·5	49·6	—	76	19	—	—	74·06	—	2·84	12 July	211	184	—	—	—	—	12	33	41	—	—	—
	,, (Benmore)	9	9	9	46	—	39·9	—	—	77	15	47·8	49·2	77·26	83	2·47	11 July	211	193	6	1	3	11	24	73	95	1	—	—
Bute	Rothesay .. §	9	9	9	150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·94	114
	Millport	9	9	9	16	55·5	45·7	50·6	—	76	26	—	—	41·71	92	1·50	11 July	190	155	8	4	9	5	1	23	—	62	—	—
Dunbarton	Helensburgh ..	9	9	9	293	54·8	42·3	48·5	+1·0	78	15	—	—	44·99	78	1·66	11 July	200	171	14	7	8	2	11	47	—	10	3·25	99
Stirling	Stirling	9	9	9	151	55·6	43·0	49·3	+1·3	79	13	49·2	49·5	32·12	83	1·90	26 July	184	135	10	2	2	4	18	46	60	3	—	—
	Falkirk	9	9	9	100	56·4	41·9	49·1	—	80	16	—	—	30·39	82	1·40	27 July	175	131	4	7	0	0	21	55	—	0	—	—
Renfrew	Greenock	9	9	9	200	55·2	44·4	49·9	+1·4	77	21	—	—	53·68	86	1·61	11 July	204	168	9	7	2	5	28	31	53	0	3·18	95S
	Paisley	9	9	9	106	56·1	43·8	49·9	+1·3	80	18	49·8	50·0	36·97	84	1·33	26 Oct.	192	150	8	15	3	7	60	43	73	1	3·58	108
	Barrhead	9	9	9	97	55·3	41·9	48·6	—	79	16	—	—	39·26	—	1·57	26 Oct.	191	148	11	8	9	6	22	59	73	5	—	—
	Renfrew .. ¶§	21—9	9		26	55·9	43·2	49·5	+1·8	80	15	—	—	32·58	80	1·21	26 July	185	141	15	7	16	8	31	52	69	7	3·46	105
Lanark	Thorntonhall ..	9	9	9	453	54·1	40·5	47·3	—	77	13	—	—	39·49	—	1·92	26 Oct.	190	159	12	23	9	8	—	69	102	0	—	—
	Glasgow, Spr. Pk.	9	9	9	351	54·8	42·9	48·9	—	80	18	—	—	34·21	86	1·22	26 Oct.	196	150	13	13	6	7	24	44	74	1	3·34	—
	Coatbridge ..	9	9	9	256	55·7	42·1	48·7	—	80	16	—	—	29·19	—	1·23	26 Oct.	175	143	7	1	5	1	27	51	—	8	—	—
	Coalburn	9	9	9	920	52·7	39·3	46·0	—	77	9	46·9	—	45·26	—	2·30	26 Oct.	200	163	18	24	6	9	9	75	119	27	3·77	—
	Leadhills	9	9	9	1270	52·2	38·6	45·4	—	79	8	—	—	60·34	—	1·82	17 Oct.	205	169	27	28	7	11	12	78	98	4	—	—
	Carnwath	9	9	9	706	53·5	39·1	46·3	—	79	8	—	—	27·35	—	1·10	26 Oct.	189	138	16	24	5	5	13	70	118	11	—	—
Ayr	Colmonell ..	9	9	9	170	55·7	43·0	49·3	+1·2	77	18	—	—	38·30	88	2·97	17 Oct.	181	151	—	0	—	—	—	40	96	—	—	—
	Largs (Woodbank)	9	9	9	25	57·1	44·4	50·7	—	78	22	—	—	45·29	93	1·47	11 July	188	153	—	—	—	—	15	34	61	—	—	—
	Barr	9	9	9	400	55·6	40·5	48·1	—	78	(13)	—	—	52·17	—	2·53	17 Oct.	209	166	17	2	22	13	1	67	—	12	—	—
	Auchincruive ..	9	9	9	147	55·6	43·0	49·3	—	77	20	49·1	—	31·72	80	1·31	26 Oct.	180	135	8	1	14	9	0	42	109	8	4·15	—
	Prestwick Airport	21—9	9		30	56·1	44·0	50·1	—	79	18	—	—	30·38	82	1·28	26 July	167	131	14	0	15	9	1	41	62	7	4·38	—
	Kilmarnock ..	9	9	9	115	—	43·3	—	—	81	20	49·8	—	36·42	—	1·59	26 Oct.	175	141	6	3	9	5	4	42	87	8	—	—
Dumfries	Moniaive (Dalmacallan) ..	9	9	9	480	54·1	40·6	47·3	—	79	18	—	—	54·49	—	2·62	17 Oct.	188	168	—	2	—	—	16	69	90	—	—	—
	Dumfries .. ¶§	9	9	9	140	55·7	42·5	49·1	+1·5	83	19	49·7	49·8	36·59	86	1·86	17 Oct.	180	147	5	—	1	8	10	50	86	1	3·83	107
	Ruthwell	9	9	9	95	56·9	40·7	48·8	+1·2	80	15	—	—	34·14	93	1·11	17 Oct.	191	145	5	—	0	12	—	66	—	7	3·81	114S
	Eskdalemuir ¶§	21—9	9		794	53·7	39·4	46·5	+1·5	81	12	48·9	48·5	55·58	89	1·50	17 Oct.	193	163	27	24	15	12	13	77	81	4	3·89	119
Kirkcudbright	Bargrennan ..	9	9	9	360	55·7	40·5	48·1	—	80	18	—	—	53·13	—	2·07	17 Oct.	206	160	13	7	5	11	9	71	92	1	—	—
	Palnure	9	9	9	50	56·4	40·6	48·5	—	81	15	—	—	44·91	—	1·80	17 Oct.	195	157	8	7	9	14	4	74	—	26	—	—
	Glenlee	9	9	9	181	56·7	40·0	48·3	—	82	14	—	—	56·21	—	2·07	26 July	196	167	15	8	5	8	16	79	79	8	—	—
	Carsphairn (Dundeugh)	9	9	9	390	55·3	38·6	46·9	—	82	10	—	—	53·72	—	1·64	26 July, 17 Oct.	179	159	14	7	3	14	10	86	—	7	—	—
	Glenlochar Barrage	9	9	9	154	55·6	41·6	48·6	—	82	15	—	—	47·15	—	1·85	26 July	182	144	—	8	—	—	35	57	—	—	—	—
	Castle Douglas ..	9	9	9	196	55·4	—	—	—	83	—	49·0	—	41·80	—	1·32	20 Nov.	175	145	—	7	—	—	15	—	120	—	4·18	—
Wigtown	Stranraer (Penwhirn)	9	9	9	546	53·9	41·4	47·7	—	74	18	—	—	51·27	—	2·81	17 Oct.	195	163	9	4	10	8	23	57	91	18	4·27	—
	Mull of Galloway	21—9	9		257	54·7	46·2	50·5	—	75	30	—	—	24·64	—	1·67	17 Oct.	177	119	8	2	13	7	15	10	—	51	—	—
6b. ISLE OF MAN																													
Isle of Man	Ronaldsway ..	21—9	9		55	55·6	46·3	50·9	—	77	24	—	—	29·49	86	1·59	17 Oct.	167	131	11	2	19	11	5	18	36	42	4·54	—
	Douglas	9	9	9	284	55·2	46·0	50·6	+1·8	76	28	—	—	40·52	90	1·85	17 Oct.	187	150	8	11	6	6	14	12	32	10	4·84	113
	Point of Ayre ..	21—9	9		30	56·9	46·0	51·5	—	81	29	—	—	27·34	88	1·76	17 Oct.	169	125	3	0	0	5	8	11	—	16	4·62	—

¶§ District Value Stations. ¶ For rainfall and temperature. § For sunshine. S Sunshine exposure imperfect.

TABLE III (*continued*)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation			Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT					Earth Temperature		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE	
						Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Most in a day	Precip'n		Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Hours per day	
		Max.	Min.	Rain		A Max.	B Min.				1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more								Daily Mean	Percentage of Average
		G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.												hr.	%
2. ENGLAND, N.E.																												
Northumberland	Kielder Castle ..	9	9	9	660	54·0	38·0	46·0	—	80	10	48·4	—	40·40	84	1·58	26 Oct.	182	142	12	12	3	9	10	80	113	1	—	—
	Bellingham ..	9	9	9	849	54·1	39·5	46·8	+1·6	79	15	—	—	28·20	81	1·64	13 Nov.	170	121	—	18	3	9	9	74	—	—	—	—
	Allendale Town ..	9	9	9	795	54·5	40·3	47·4	—	81	15	—	—	28·12	—	1·34	26 Oct.	163	116	7	21	2	3	9	57	—	4	—	—
	Haydon Bridge ..	9	9	9	270	56·4	39·9	48·1	—	83	14	49·0	48·7	22·18	—	·99	26 Oct.	143	106	7	10	1	7	19	72	—	1	3·75	—
	Berwick-on-Tweed	9	9	9	76	54·1	43·0	48·5	+1·2	79	21	—	—	17·23	74	1·13	26 July	139	97	11	1	12	9	12	36	61	7	3·97	101
	Cockle Park ¶§	9	9	9	326	55·2	40·1	47·7	+1·0	81	19	48·3	48·6	20·49	71	1·36	26 July	157	104	10	11	11	14	6	60	78	15	4·23	113
	Acklington ..	21	9	9	138	54·8	41·4	48·1	—	82	19	—	—	18·92	—	1·43	26 July	138	90	10	12	5	12	13	61	78	5	4·44	—
	Tynemouth ..	21	9	9	95	54·0	45·2	49·6	+1·1	78	22	—	—	18·83	71	1·35	26 July	131	88	12	11	6	10	30	30	43	12	4·02	—
Durham	Chopwellwood ..	9	9	9	446	56·1	41·5	48·8	+1·8	85	19	—	—	24·15	83	1·15	22 June	163	97	9	12	0	11	22	55	107	5	—	—
	Ushaw College ..	9	9	9	594	55·3	41·9	48·6	+1·4	83	21	—	—	18·37	63	·69	21 Jan.	117	86	12	12	3	9	61	49	—	5	—	—
	Houghall	9	9	9	160	57·1	39·7	48·4	+0·7	85	10	—	—	19·23	69	·70	4 Dec.	139	98	10	13	3	7	38	78	170	6	4·03	115
	Durham .. ¶§	9	9	9	336	56·6	41·5	49·1	+1·6	84	20	49·3	49·1	17·30	66	·72	26 July	135	91	6	—	1	9	—	57	79	10	3·95	109
	Gateshead ..	9	9	9	509	54·8	43·2	49·0	—	83	22	—	—	19·18	—	·89	30 Nov.	128	92	—	10	—	—	25	41	44	—	4·25	—
	Middleton St. Gge.	21	9	9	115	56·8	42·7	49·7	—	86	18	—	—	15·50	—	·74	21 Jan.	128	82	10	11	0	11	30	45	67	1	4·27	—
	West Hartlepool ..	9	9	9	30	56·3	44·5	50·4	—	80	25	—	—	19·41	—	1·61	26 July	141	94	9	11	4	7	29	32	41	5	4·19	—
Yorks., N. Riding	Dishforth	21	9	9	106	57·5	43·0	50·3	—	87	18	—	—	19·61	79	1·02	16 Apl.	132	98	9	12	4	14	42	47	61	2	4·42	—
	York .. ¶§	9	9	9	57	58·3	43·6	50·9	+1·6	88	21	50·6	50·3	18·76	76	·70	26 July	143	94	6	12	2	9	53	41	—	2	4·06	113S
	Ampleforth ..	9	9	9	313	56·4	42·4	49·4	—	83	17	—	—	21·30	71	1·11	27 Apl.	138	96	—	—	—	—	39	42	74	—	—	—
	Redcar	9	9	9	25	56·9	—	—	—	80	—	—	—	19·54	82	1·35	26 July	145	97	4	9	3	10	21	—	—	7	4·22	—
	Whitby	9	9	9	135	56·3	43·5	49·9	—	83	23	—	—	22·41	85	1·18	4 Dec.	137	99	5	9	8	11	23	33	74	9	4·40	—
	Scarborough ¶§	9	9	9	118	56·3	45·3	50·8	+1·2	86	24	—	—	23·02	90	1·37	28 June	142	104	7	11	2	8	14	28	33	6	4·49	118
	Silpho Moor ..	9	9	9	665	54·2	42·3	48·3	—	81	21	48·0	—	26·86	—	1·24	26 July	165	109	—	—	—	—	—	48	72	—	—	—
Yorks., E. Riding	High Mowthorpe ..	9	9	9	574	55·7	41·7	48·7	—	83	15	48·5	—	24·47	—	·87	5 June	155	108	8	12	4	9	23	49	104	0	4·42	—
	Hull	9	9	9	8	58·0	44·3	51·1	+1·4	86	19	50·8	49·6	17·72	70	·59	26 Oct.	127	93	6	5	1	5	16	38	51	2	4·49	123
	Filey	9	9	9	122	—	42·8	—	—	82	19	—	—	25·48	—	1·61	28 June	138	101	11	10	9	11	22	38	52	3	4·61	—
	Bridlington ..	9	9	9	157	55·2	42·9	49·1	—	82	19	—	—	21·41	—	·62	27 Apl.	141	104	11	14	12	11	27	41	59	16	4·91	—
	Spurn Head ..	21	9	9	29	55·0	46·8	50·9	+1·5	79	26	—	—	16·27	—	·95	3 Dec.	112	82	8	2	2	9	20	18	—	17	4·86	118
Lincoln	Waddington ..	21	9	9	224	57·7	43·5	50·6	—	88	20	—	—	15·69	—	·55	3 Mar.	130	79	11	12	5	14	32	44	37	1	4·93	—
	Lincoln	9	9	9	22	58·7	41·4	50·1	—	89	15	50·7	50·6	16·64	—	·58	21 Jan.	125	88	4	11	0	10	38	61	98	7	4·52	—
	Cranwell .. ¶§	9	9	9	205	58·3	42·4	50·3	+1·5	91	18	51·6	53·6	17·20	73	·93	10 Aug.	126	82	9	12	3	12	36	52	66	2	4·78	115
	Cleethorpes ..	9	9	9	23	57·2	44·7	50·9	—	91	22	—	—	19·96	—	1·21	3 Dec.	108	91	—	11	—	—	31	33	—	—	4·81	—
	Manby	21	9	9	55	57·3	42·9	50·1	—	90	19	—	—	19·86	—	1·04	11 July, 3 Dec.	129	93	6	10	5	10	21	45	68	1	5·09	—
	Skegness	9	9	9	15	56·4	45·0	50·7	+1·8	84	19	—	—	21·07	94	1·45	10 Aug.	141	97	7	10	8	9	11	35	38	9	5·22	123
3. ENGLAND, E.																												
Norfolk	Terrington St. Clement ..	9	9	9	13	58·5	42·9	50·7	—	89	20	50·3	—	17·75	87	·95	6 Jan., 3 Dec.	118	88	5	1	0	9	24	43	55	0	4·97	—
	Marham	21	9	9	76	58·6	43·3	50·9	—	91	16	—	—	19·80	—	2·00	10 July	134	95	8	9	1	15	26	50	56	0	—	—
	Santon Downham	9	9	9	80	59·6	38·9	49·3	—	92	12	49·9	49·7	21·21	—	2·33	10 Aug.	123	92	—	2	—	—	—	101	141	—	—	—
	West Raynham ..	21	9	9	250	57·1	43·4	50·3	—	90	18	—	—	21·30	—	1·74	10 July	139	103	11	11	9	11	22	46	73	8	—	—
	Cromer	9	9	9	178	57·2	44·6	50·9	+1·1	94	22	—	—	23·33	95	2·50	11 Aug.	139	99	4	8	4	10	8	33	—	2	5·08	117
	Sprowston ¶§	9	9	9	93	58·4	43·0	50·7	+1·4	91	16	—	—	18·13	71	1·21	6 Jan.	152	93	7	11	3	12	—	47	94	2	5·14	120
	Burlingham ..	9	9	9	89	58·3	43·7	51·0	—	88	21	—	—	17·40	70	1·07	11 Aug.	127	93	8	5	11	10	16	33	54	6	5·08	—
	Gorleston .. ¶§	21	9	9	5	55·8	46·1	50·9	+1·1	82	21	52·3	52·3	18·65	78	1·15	11 Aug.	128	89	7	8	4	14	20	23	39	8	5·12	116
Suffolk	Mildenhall ..	21	9	9	15	59·5	43·9	51·7	—	92	19	—	—	17·80	82	2·46	10 July	123	93	9	5	7	15	26	40	68	0	5·14	—
	East Bergholt ..	9	9	9	14	59·8	42·3	51·1	—	90	18	—	—	16·23	—	·74	3 Dec.	132	89	5	11	1	7	—	63	107	6	—	—
	Felixstowe ..	21	9	9	10	56·9	47·3	52·1	+1·8	83	25	—	—	15·39	74	1·09	10 July	127	86	8	2	4	14	23	20	35	3	5·56	118
	Lowestoft ..	9	9	9	82	57·0	45·0	51·0	+1·5	86	20	52·5	51·8	17·47	74	·78	11 Aug.	120	88	10	8	7	11	17	31	36	5	5·29	117
Cambridge	Boxworth ..	9	9	9	157	59·4	42·7	51·1	—	94	18	—	—	19·07	89	1·15	10 July	138	94	8	9	8	4	17	50	85	2	4·89	—
	*Cambridge Bot. Gdn. ¶§	9	9	9	41	60·0	42·6	51·3	+1·6	92	18	52·0	52·5	19·73	91	2·26	10 July	128	90	8	13	8	11	16	58	102	—	4·89	120
Huntingdon	Wyton	21	9	9	129	59·0	43·6	51·3	—	92	19	—	—	15·30	—	1·10	6 Jan.	127	86	10	8	6	16	30	48	60	1	—	—
Bedford	Woburn	9	9	9	291	58·1	42·0	50·1	+1·4	88	19	51·5	51·1	21·33	86	1·02	6 Jan.	143	98	7	13	2	14	19	60	74	6	4·74	116
	Dunstable ..	21	9	9	516	57·8	43·4	50·6	—	90	16	50·7	50·9	21·14	—	1·29	10 July	132	103	8	13	8	21	28	47	68	1	4·93	—
	Goldington ..	9	9	9	107	59·7	43·3	51·5	—	91	20	—	—	18·39	—	1·14	6 Jan.	137	96	7	0	3	13	13	46	97	7	—	—
	Luton	9	9	9	379	58·4	42·7	50·5	+1·6	89	19	51·7	—	21·76	87	1·93	10 July	126	97	—	0	—	—	27	58	85	—	4·62	114
	Silsoe	9	9	9	195	59·2	41·9	50·5	—	91	19	51·5	51·3	18·14	81	1·48	10 July	128	96	7	3	3	12	23	57	104	3	4·93	—
	Cardington ..	21	9	9	93	59·7	42·0	50·9	—	92	19	—	—	17·66	85	1·05	7 Mar.	130	94	13	7	3	18	24	57	110	6	4·90	—
Hertford	Bovingdon ..	21	9	9	516	57·6	42·5	50·1	—	89	15	—	—	25·91	—	1·38	10 July	139	107	12	4	8	20	37	60	92	3	—	—
	Garston	9	9	9	263	59·4	42·7	51·1	—	91	20	—	—	24·49	—	2·50	10 July	140	102	4	1	15	21	—	55	83	0	4·33	—
	Rothamsted ¶§	9	9	9	420	58·0	42·0	50·0	+1·5	90	17	50·5	50·4	25·29	92	2·34	10 July	151	102	9	10	6	21	26	62	85	0	4·86	118
	St. Albans	9	9	9	272	59·0	42·2	50·6	+1·7	90	19	51·0	—	22·23	88	1·65	10 July	135	101	1	—	4	12	24	60	89	1	—	—
	Bayfordbury ..	9	9	9	221	59·2	41·7	50·5	—	92	18	—	—	21·11	86	1·15	10 July	135	101	6	3	6	12	—	56	93	1	4·85	—
	Stanstead Abbotts ..	9	9	9	97	60·0	41·2	50·6	—	90	17	53·0	53·3	19·85	—	·93	10 July	132	101	—	2	—	—	32	68	85	—	—	—
	Eastwick Lodge ..	9	9	9	137	59·5	41·7	50·6	—	91	18	—	—	20·18	85	1·43	10 July	141	98	—	0	—	—	32	68	—	—	—	—
Essex	Stansted	9	9	9	330	58·7	43·3	51·0	—	91	17	—	—	19·13	—	·76	10 July	137	95	10	4	2	20	33	51	83	1	—	—
	Writtle	9	9	9	105	59·5	41·9	50·7	—	89	19	—	—	16·91	73	·78	26 Oct.	122	95	6	0	7	19	20	61	101	11	4·73	—
	Coryton	9	9	9	9	59·7	45·5	52·6	—	88	22	53·5	54·6	14·60	—	·62	26 Oct.	129	95	5	1	2	12	33	32	44	0	—	—
	Southend	9	9	9	90	59·5	45·8	52·7	—	86	23	—	—	14·81	70	·55	30 July	128	93	7	1	2	18	21	27	31	3	5·34	117
	Maldon	9	9	9	14	59·2	43·3	51·3	—	89	20	—	—	16·64	—	·68	17 Nov.	149	100	5	—	3	10	43	54	—	1	—	—
	Shoeburyness ¶§	21	9	9	11	57·9	45·9	51·9	+1·5	85	24	—	—	15·88	78	·69	26 Oct.	130	91	7	1	4	16	21	27	67	0	5·43	119
	Clacton	9	9	9	53	56·4	46·4	51·4	—	83	22	52·9	53·0	15·20	71	·71	3 Dec.	120	88	7	10	2	13	17	29	42	6	5·64	122
	Walton-on-Naze ..	9	9	9	35	56·8	45·6	51·2	—	82	22	—	—	16·77	—	·85	10 Aug.	133	96	—	9	—	—	25	36	65	5	5·69	—
	Dovercourt ..	9	9	9	11	57·7	44·4	51·1	—	84	21	—	—	16·02	—	·99	10 Aug.	123	87	—	—	—	—	17	40	—	—	5·30	—
4. MIDLAND COUNTIES																												
Yorks., W. Riding	Slaidburn	9	9	9	629	55·4	41·5	48·5	—	80	16	—	—	48·79	—	2·59	26 Oct.	184	138	9	12	6	8	14	49	73	19	3·96	—
	Malham Tarn ..	9	9	9	1297	52·2	40·4	46·3	—	77	16	47·3	—	46·02	—	1·83	26 Oct.	187	156	28	28	15	15	33	65	140	1	—	—
	Bingley	9	9	9	610	55·2	42·3	48·7	—	81	18	—	—	30·06	84	1·68	26 Oct.	152	117	5	19	2	17	31	43	81	0	—	—
	Huddersfield §	9	9	9	325	57·4	43·1	50·3	+2·0	85	16	49·6	50·1	25·64	—	1·69	26 Oct.	149	108	—	17	—	—	57	44	71	—	3·82	123
	,, (Oakes)	21	9	9	762	56·6	43·2	49·9	+2·4	86	20	49·1	48·6	30·61	81	2·11	26 Oct.	174	123	16	17	7	19	24	38	67	14	3·95	—
	Bradford .. ¶	9	9	9	439	55·8	43·2	49·5	+1·6	83	19	48·7	49·5	28·73	86	1·77	26 Oct.	160	115	9	12	3	16	29	41	76	0	—	—
	Ilkley	9	9	9	315	57·7	42·5	50·1	+2·2	85	18	—	—	27·58	73	1·66	26 Oct.	134	118	13	12	1	12	30	45	—	2	3·90	114
	Sheffield	9	9	9	429	57·7	44·7	51·2	+2·0	84	23	50·0	50·3	23·96	78	1·33	16 Apl.	138	104	10	11	1	16	—	32	80	0	4·05	118
	Wakefield	9	9	9	121	59·0	42·8	50·9	+1·7	89	19	50·0	50·1	19·65	74	1·24	16 Apl.	130	99	7	12	2	8	61	47	103	0	—	—
	Killinghall ..	9	9	9	365	—	41·8	—	—	83	19	49·1	—	27·07	—	1·32	26 Oct.	138	105	6	—	—	9	—	48	—	0	4·25	—
	Pontefract ..	9	9	9	255	57·3	43·3	50·3	+1·8	84	20	—	—	18·73	78	1·75	16 Apl.	145	89	8	12	0	6	63	42	46	1	4·23	—
	Bramham	9	9	9	177	—	41·3	—	—	86	19	—	—	19·86	—	1·36	16 Apl.	131	89	6	11	1	13	36	58	—	0	4·17	—
	Cawood	9	9	9	20	57·8	41·4	49·6	—	86	15	50·8	51·0	15·35	62	·78	16 Apl.	116	85	7	12	0	8	30	52	94	1	4·15	—
	Askham Bryan ..	9	9	9	90	58·1	41·7	49·9	—	86	12	—	—	18·99	73	·82	5 June	132	90	7	12	1	14	43	52	70	3	3·95	—
Derby	Buxton	9	9	9	1007	53·8	41·1	47·5	+1·6	81	11	48·6	49·3	39·50	81	2·00	26 Oct.	175	136	15	26	15	10	41	50	60	0	—	—
	Chapel en le Frith	9	9	9	728	56·0	41·2	48·6	—	83	7	—	—	34·51	—	1·66	26 Oct.	154	121	20	26	5	13	26	63	100	3	—	—
	Wirksworth ..	9	9	9	565	57·4	42·8	50·1	—	85	18	—	—	26·82	—	1·36	16 Apl.	147	114	17	15	11	12	30	49	72	11	—	—
	Derby	9	9	9	159	58·9	43·3	51·1	—	87	16	—	—	18·26	—	·84	16 Apl.	133	94	7	12	1	1	48	55	61	0	4·16	—
	Morley	9	9	9	350	57·7	42·4	50·1	—	86	12	—	—	19·69	—	·96	16 Apl.	142	101	6	13	2	9	—	52	50	0	4·34	—
	Chesterfield ..	9	9	9	298	57·6	41·9	49·7	—	85	16	—	—	24·21	—	1·24	16 Apl.	142	105	7	12	3	11	28	54	—	0	—	—
Nottingham	Sutton Bonington	9	9	9	157	58·5	41·9	50·2	+1·3	87	12	50·7	51·1	15·83	69	·66	26 Oct.	133	88	6	11	5	4	43	59	111	0	4·49	121
	Watnall	21	9	9	385	58·0	43·4	50·7	—	87	14	—	—	19·62	72	·91	13 Aug.	140	96	10	13	8	13	48	45	96	0	4·33	—
	Mansfield	9	9	9	357	57·4	43·3	50·3	+1·7	86	19	—	—	22·13	81	1·25	16 Apl.	142	101	5	13	3	3	56	45	73	0	—	—
	Nottingham ¶§	9	9	9	192	58·5	44·4	51·5	+2·0	87	17	51·0	51·7	17·99	74	·79	21 Jan.	128	91	6	11	2	9	35	44	54	0	4·07	115
	Warsop	9	9	9	150	58·3	40·2	49·3	—	85	13	—	—	18·19	79	1·05	16 Apl.	144	93	10	13	4	14	40	70	109	13	4·29	—
	Finningley ..	21	9	9	34	58·7	43·6	51·1	—	88	18	—	—	14·44	—	·87	16 Apl.	117	84	7	11	1	8	35	42	67	1	4·50	—
	Langar	21	9	9	106	58·8	42·7	50·7	—	89	17	—	—	15·69	—	·63	16 Apl.	132	79	11	11	1	11	24	58	91	1	—	—

* Sunshine recorded at Cambridge (N.I.A.B.) but average used is for Botanic Garden.

TABLE III (*continued*)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation			Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT						EARTH TEMPERATURE		RAINFALL				WEATHER Number of days										BRIGHT SUNSHINE	
						Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum						Most in a day		Precip'n										Hours per day	
		Max.	Min.	Rain		A Max.	B Min.					1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
		G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.												hr.	%
4. MID. COUNTIES—*contd.*																													
Leicester	Leicester (Towers)	9	9	9	267	59·6	43·1	51·3	—	89	13	51·5	51·4	19·53	74	1·12	6 Jan.	142	85	9	14	2	9	43	52	69	—	4·70	—
	Caldecott	9	9	9	175	59·6	39·6	49·6	—	93	15	—	—	18·03	—	1·18	6 Jan.	123	79	—	12	—	—	49	91	112	—	4·51	—
Northampton	Wellingborough	9	9	9	298	59·4	42·6	51·0	—	91	17	—	—	19·89	—	1·27	6 Jan.	139	90	6	14	2	13	34	52	—	5	—	—
	Raunds	9	9	9	193	59·3	41·6	50·5	—	92	18	51·4	51·1	19·19	84	1·19	6 Jan.	141	98	6	14	8	18	24	62	74	—	—	—
	Wittering	21—9	9		216	58·3	43·2	50·7	—	91	14	—	—	17·24	—	1·37	6 Jan.	122	85	9	12	5	18	36	47	74	0	5·03	—
Warwick	Birmingham ¶§	21—9	9		536	57·1	45·2	51·1	+2·0	84	24	49·7	50·5	28·80	94	1·91	10 Aug.	155	120	11	13	5	14	34	31	62	0	4·20	118
	Luddington	9	9	9	138	59·2	42·4	50·8	—	87	17	—	—	19·90	84	1·05	6 Jan.	144	103	7	11	6	11	19	65	83	6	4·51	—
	Stratford on Avon	9	9	9	160	59·6	41·9	50·7	—	87	17	52·3	—	21·26	—	·91	16 Apl.	146	101	8	10	1	14	22	65	106	5	4·37	—
	Elmdon	21—9	9		319	57·8	42·6	50·2	—	86	12	—	—	22·49	84	1·25	16 Apl.	141	108	13	12	6	15	33	56	83	2	4·51	—
	Shipston on Stour	9	9	9	365	58·4	43·2	50·8	—	85	17	50·9	—	23·00	—	1·29	6 Jan.	153	99	9	11	4	18	—	50	97	—	4·72	—
	Wellesbourne	9	9	9	153	58·9	42·1	50·5	—	86	17	51·5	51·7	19·62	78	1·11	6 Jan.	139	97	13	11	6	9	23	61	101	3	4·48	—
	Moreton Morrell	9	9	9	280	58·7	42·6	50·7	—	86	19	—	—	20·11	—	1·28	6 Jan.	144	98	11	11	2	16	23	55	88	9	4·64	—
	Coventry	9	9	9	338	58·0	42·9	50·5	+1·3	84	15	50·8	50·6	20·97	79	·89	25 Nov.	137	98	12	11	7	9	24	55	—	10	4·31	121S
	Rugby	9	9	9	385	58·0	43·2	50·6	—	87	18	51·3	51·7	20·39	—	1·02	6 Jan.	138	101	12	14	4	7	—	48	71	—	—	—
Oxford	Oxford ¶§	9	9	9	208	59·5	44·0	51·7	+1·6	91	22	52·4	52·6	24·29	95	1·18	14 Dec.	157	108	8	4	9	17	30	46	79	3	5·08	125
Buckingham	Aylesbury	9	9	9	316	59·0	42·4	50·7	—	89	18	—	—	22·22	—	1·29	10 July	129	108	7	12	5	21	39	55	111	4	5·06	—
Stafford	Keele	9	9	9	587	56·1	42·9	49·5	—	82	17	50·1	50·0	24·79	73	1·38	16 Apl.	150	115	13	20	10	15	42	46	75	0	4·35	—
	Oaken	9	9	9	409	57·8	41·7	49·7	—	85	10	49·9	—	25·87	—	1·61	16 Apl.	141	114	—	—	—	—	—	53	78	—	—	—
	Wheaton Aston	9	9	9	365	57·1	—	—	—	83	11	50·3	—	22·32	—	1·38	16 Apl.	141	113	9	18	0	11	28	—	—	—	4·10	—
	Stone	9	9	9	350	57·2	41·6	49·4	—	84	11	—	—	20·36	—	1·16	16 Apl.	154	112	7	20	3	10	46	62	115	9	3·99	—
	Penkridge	9	9	9	330	57·1	41·7	49·4	—	84	13	—	—	22·48	—	1·15	16 Apl.	154	112	9	15	0	7	34	58	78	6	—	—
	Onecote	9	9	9	1350	52·7	40·7	46·7	—	79	16	46·0	46·9	32·61	—	·99	25 Nov.	140	133	12	23	—	—	36	63	67	2	3·91	—
Shropshire	Oswestry	9	9	9	570	56·4	42·9	49·7	—	85	18	—	—	36·80	—	1·26	16 Apl.	180	144	10	17	4	11	21	49	66	1	4·23	—
	Shrewsbury	9	9	9	184	58·4	43·3	50·9	—	84	13	52·6	54·1	23·23	90	1·22	16 Apl.	171	124	11	14	12	10	25	47	70	7	4·23	—
	Shawbury	21—9	9		235	57·5	42·2	49·9	—	84	10	—	—	24·41	94	1·22	16 Apl.	163	124	16	19	10	12	30	59	93	1	4·46	—
	Newport	9	9	9	211	57·7	41·4	49·5	—	84	13	—	—	23·22	89	1·30	16 Apl.	161	115	11	20	11	20	19	57	104	9	4·02	—
Worcester	Malvern	9	9	9	203	58·8	44·5	51·7	+1·8	85	19	52·6	52·1	28·13	95	1·43	25 Nov.	168	114	13	2	8	13	28	37	47	1	4·63	111S
	Worcester (Redhill)	9	9	9	190	58·9	43·3	51·1	—	85	19	—	—	24·89	101	1·56	10 Aug.	139	107	5	11	0	1	23	50	86	1	4·46	—
	Droitwich	9	9	9	106	58·2	43·2	50·7	—	84	18	—	—	27·19	—	1·48	10 Aug.	138	115	4	1	4	15	25	53	—	0	—	—
	Pershore (Institute of Horticulture)	9	9	9	130	58·8	44·1	51·5	—	84	21	—	—	23·15	—	1·37	25 Nov.	142	111	6	12	5	9	17	42	77	—	4·82	—
	Pershore	21—9	9		110	59·0	43·5	51·3	—	85	21	—	—	21·84	—	1·28	25 Nov.	142	102	8	8	3	17	23	51	76	0	4·69	—
	Halesowen	9	9	9	505	57·3	42·1	49·7	—	83	15	51·1	50·8	26·35	—	1·17	16 Apl.	154	122	12	14	8	11	25	50	66	0	4·30	—
Hereford	Lyonshall	9	9	9	510	57·2	42·2	49·7	—	80	17	—	—	34·40	—	1·81	25 June	164	125	—	—	—	—	—	54	109	—	—	—
	Ross-on-Wye ¶§	21—9	9		223	58·7	44·2	51·5	+1·6	84	19	51·7	52·3	30·28	109	1·61	25 Nov.	146	110	8	7	9	16	22	44	77	4	4·62	115
	Preston Wynne	9	9	9	274	58·1	41·9	50·0	—	83	19	—	—	25·38	—	1·40	26 July	159	112	9	6	1	9	21	57	95	6	4·83	—
Gloucester	Bristol (Filton)	21—9	9		192	58·4	44·9	51·7	—	82	21	—	—	30·68	99	1·61	25 June	154	120	7	1	5	18	18	41	74	6	4·71	—
	Ruscombe	9	9	9	610	57·4	43·0	50·2	—	82	20	—	—	29·53	93	1·43	10 Aug.	166	116	10	15	3	18	29	47	—	1	—	—
	Cirencester	9	9	9	443	57·6	42·2	49·9	—	83	18	—	—	29·72	89	·98	26 Oct.	141	114	10	12	3	10	26	62	113	—	4·81	—
	Little Rissington	21—9	9		740	56·4	43·7	50·1	—	84	23	—	—	25·93	85	1·08	10 Aug.	145	107	11	15	11	17	45	49	71	5	4·64	—
5. ENGLAND, S.E.																													
London	Kensington	9	9	9	81	60·9	46·1	53·5	+1·9	93	25	53·4	53·4	19·45	77	·67	26 Oct.	135	97	3	1	4	10	19	33	62	2	—	—
	Hampstead	9	9	9	450	58·7	44·7	51·7	+2·5	90	23	—	—	20·11	74	·70	26 Oct.	151	103	7	—	4	22	—	47	79	4	5·01	124
	Westminster	9	9	9	27	—	46·9	—	—	94	26	—	—	18·45	79	·71	26 Oct.	133	103	4	—	4	12	—	22	—	—	—	—
	Regent's Park	9	9	9	129	60·7	45·8	53·3	—	92	25	—	—	20·10	—	1·02	21 Aug.	115	97	—	1	—	—	14	31	57	—	4·76	130
	Camden Square	9	9	9	121	60·3	46·2	53·3	+1·6	92	26	—	—	19·95	79	·78	26 Oct.	131	104	2	2	2	12	—	29	—	—	—	—
	Kingsway	—				—																						4·76	—
	Bunhill Row	—				—																						4·70	133
	Greenwich (Maritime Museum)	9	9	9	24	60·8	44·8	52·8	—	91	24	—	—	18·43	81	·84	26 Oct.	135	106	1	0	4	13	16	33	—	0	4·49	—
Middlesex	London Airport	21—9	9		82	60·3	44·9	52·6	—	93	21	—	—	19·22	81	2·77	10 July	132	92	6	2	9	21	27	39	71	4	4·89	—
	Hampton	9	9	9	39	60·5	45·2	52·9	—	90	23	—	—	18·22	—	·67	10 July, 26 Oct.	133	97	4	2	7	22	30	39	70	5	5·24	—
	Southgate	9	9	9	221	—	44·3	—	—	91	19	52·1	—	19·96	—	1·40	21 May	128	96	4	4	2	20	23	46	63	0	4·58	—
Surrey	Wisley	9	9	9	150	59·9	43·1	51·5	+1·3	91	20	52·3	52·4	24·17	93	1·67	10 July	140	104	6	0	8	22	26	52	105	7	4·84	120
	Mickleham	9	9	9	179	—	40·7	—	—	90	18	—	—	24·78	84	·94	26 Oct.	132	106	—	9	—	—	22	75	—	2	—	—
	Kew Observatory ¶§	21—9	9		18	59·5	46·2	52·9	+2·0	91	23	52·4	53·0	17·12	71	·74	26 Oct.	124	96	8	2	7	21	29	29	91	0	5·07	125
	Gatwick	21—9	9		194	60·0	41·6	50·8	—	90	18	—	—	26·32	—	·96	6 Dec.	139	101	9	0	9	23	27	67	80	1	5·23	—
	Croydon (Waddon)	9	9	9	220	59·8	43·8	51·8	+1·2	91	20	—	—	21·48	79	·88	26 Oct.	126	98	—	—	—	—	—	49	—	—	—	—
	Addington	9	9	9	474	58·7	44·4	51·5	+2·1	89	23	—	—	22·40	77	·98	26 Oct.	146	106	—	—	—	—	18	46	—	—	—	—
Kent	Bromley	9	9	9	213	60·1	44·8	52·5	+1·9	91	24	—	—	19·23	77	·90	26 Oct.	135	106	2	6	0	11	48	43	—	3	—	—
	Swanley	9	9	9	177	59·7	42·3	51·0	—	90	21	51·9	—	19·09	—	1·15	29 July	135	96	5	3	5	12	26	51	99	6	4·56	—
	Dartford	9	9	9	17	60·7	43·4	52·1	—	92	21	—	—	17·35	—	·83	15 Nov.	118	88	4	0	3	12	26	49	—	2	—	—
	Tunbridge Wells	9	9	9	351	58·9	42·1	50·5	+1·2	89	19	51·5	52·3	28·75	95	1·01	26 Dec.	140	112	5	4	10	21	31	66	67	3	5·21	115
	West Malling	21—9	9		304	58·8	43·4	51·1	—	89	19	—	—	22·02	82	1·05	26 Oct.	149	109	7	1	4	22	38	61	82	3	5·23	—
	Goudhurst	9	9	9	290	59·0	41·2	50·1	—	88	20	—	—	31·78	97	1·63	13 Nov.	146	112	5	2	11	17	22	68	123	4	—	—
	East Malling ¶§	9	9	9	122	60·1	42·1	51·1	+1·8	90	20	—	52·1	21·42	80	1·16	26 Oct.	153	110	4	3	6	21	28	64	78	1	5·21	122
	Gillingham	9	9	9	14	60·3	44·7	52·5	—	92	21	—	—	20·05	—	1·12	21 Aug.	137	100	1	1	4	7	23	38	—	1	4·96	—
	Sittingbourne	9	9	9	224	58·6	43·5	51·1	—	87	21	52·0	—	24·92	—	1·11	13 Nov.	134	110	2	0	1	15	43	41	73	14	5·33	—
	Isle of Grain	9	9	9	9	59·1	47·1	53·1	—	89	24	—	—	15·81	—	·79	26 Oct.	129	92	4	1	2	11	18	21	42	0	5·05	—
	Throwley	9	9	9	493	57·9	43·3	50·6	—	86	20	51·8	51·7	27·48	—	1·26	26 Oct.	136	115	8	3	7	17	32	49	76	16	5·41	—
	Faversham	9	9	9	157	58·5	43·6	51·1	—	89	22	51·7	52·2	24·66	—	1·41	13 Nov.	132	106	6	1	11	21	22	46	61	1	5·37	—
	Dungeness	21—9	9		10	57·3	46·7	52·0	—	81	22	—	—	24·21	97	1·51	13 Nov.	127	97	—	—	—	—	—	30	—	—	—	—
	Wye	9	9	9	185	58·9	43·6	51·3	+1·7	88	21	—	—	26·36	87	1·30	13 Nov.	143	114	7	4	10	20	42	45	67	7	5·38	119
	Whitstable	9	9	9	9	59·0	45·5	52·3	—	90	21	—	—	20·96	97	1·19	19 May	119	97	—	—	—	—	—	31	—	—	5·18	—
	Folkestone	9	9	9	128	58·3	47·5	52·9	—	83	25	—	54·5	27·42	104	1·50	3 Dec.	134	107	6	1	4	10	15	21	—	5	5·65	—
	Wingham(Elmstone)	9	9	9	28	—	—	—	—	89	21	—	—	23·95	—	1·40	13 Nov.	135	101	4	1	10	19	11	—	51	8	—	—
	Herne Bay	9	9	9	21	58·8	46·9	52·9	—	90	25	—	—	20·90	92	1·47	13 Nov.	125	101	4	0	8	16	13	25	—	1	5·35	—
	Dover	9	9	9	19	58·0	47·1	52·5	+1·7	82	26	54·9	55·0	30·49	106	1·81	13 Nov.	134	99	5	1	14	19	11	23	27	6	5·60	—
	Ramsgate	9	9	9	80	57·1	48·4	52·7	—	81	26	—	—	24·64	106	1·79	29 July	128	95	2	1	7	15	9	14	—	—	5·51	117
	Margate	9	9	9	51	57·2	48·3	52·7	+1·4	85	27	—	53·7	23·46	110	1·99	26 June	122	94	3	0	2	16	10	13	25	7	5·56	115
Sussex	Thorney Island	21—9	9		10	60·0	45·6	52·8	—	85	24	—	—	27·20	—	1·47	9 Aug.	129	97	5	0	14	21	11	35	64	3	5·63	—
	Bognor Regis	9	9	9	24	57·9	46·4	52·1	+1·4	79	25	—	54·2	24·63	86	1·24	26 Oct.	126	100	5	4	10	12	11	32	46	12	5·74	118
	Fernhurst	9	9	9	188	59·5	41·8	50·7	—	88	19	52·3	—	32·31	—	1·82	6 Dec.	135	116	8	3	14	25	19	72	81	6	5·26	—
	Littlehampton	9	9	9	15	58·6	46·3	52·5	+2·0	81	24	—	53·9	25·07	89	1·05	26 Oct.	129	102	4	1	3	5	6	34	—	4	5·88	120
	Worthing	9	9	9	25	58·7	47·0	52·9	+1·9	82	26	52·9	53·7	23·47	85	·83	13 Nov., 6 Dec.	128	98	6	1	10	23	8	27	63	11	5·82	116
	Brighton	9	9	9	32	58·7	47·3	53·0	—	85	25	—	54·6	23·43	87	1·04	26 Oct., 13 Nov.	129	94	3	1	7	13	18	24	46	11	5·60	—
	East Grinstead	9	9	9	440	60·1	41·4	50·7	—	89	19	—	52·2	30·22	—	1·20	26 Oct.	137	110	5	9	7	13	—	68	84	9	—	—
	Eastbourne	9	9	9	35	58·2	47·1	52·7	+1·7	81	26	54·2	54·6	30·62	99	1·50	26 Oct.	137	104	1	—	6	14	14	26	33	—	5·84	117
	Eastbourne(C/guard)	21—9	9		17	58·6	46·6	52·6	—	84	25	—	—	29·32	—	1·57	26 Oct.	127	101	3	0	2	11	13	27	52	13	—	—
	Hankham	9	9	9	68	59·6	43·7	51·7	—	86	22	52·3	52·3	30·55	—	1·73	26 Oct.	142	107	7	0	17	33	14	48	115	10	5·82	—
	Bexhill	9	9	9	14	57·8	47·0	52·4	+1·8	82	25	53·9	—	27·99	99	1·55	26 Oct., 13 Nov.	129	99	1	0	5	14	19	25	47	10	5·37	—
	Sedlescombe	9	9	9	175	58·7	43·5	51·1	—	88	21	—	—	31·80	—	1·50	26 Oct.	139	106	6	2	4	18	18	47	87	15	—	—
	Bodiam	9	9	9	73	59·9	41·4	50·7	—	89	21	52·1	52·0	31·46	—	1·68	13 Nov.	140	104	—	1	—	—	27	64	—	—	5·21	—
	Hastings	9	9	9	149	58·4	47·1	52·7	+1·9	86	25	54·2	54·4	26·84	94	1·40	13 Nov.	134	108	9	0	10	23	18	29	42	13	5·70	117
Berkshire	Abingdon	21—9	9		210	59·8	43·2	51·5	—	93	20	—	—	21·74	90	1·07	14 Dec.	145	102	7	5	7	16	32	57	82	0	5·13	—
	Woolhampton	9	9	9	370	59·0	42·7	50·9	—	89	21	52·2	—	24·99	95	·81	21 Jan.	146	104	6	8	6	14	39	55	83	1	—	—
	Shinfield	9	9	9	200	59·4	43·0	51·2	+1·4	90	20	—	—	21·19	—	1·13	10 July	142	101	6	11	9	22	—	55	81	19	5·20	—
	Reading *	9	9	9	148	60·0	44·1	52·1	+1·5	91	22	52·6	—	21·84	85	1·02	10 July	149	102	—	—	—	—	—	46	96	—	—	—
	Finchampstead	9	9	9	212	—	—	—	—	91	19	—	—	22·93	—	1·62	10 July	159	105	6	8	5	20	—	62	99	0	—	—
	Wokingham	9	9	9	200	59·9	41·7	50·8	—	91	20	52·4	52·4	21·12	—	1·59	10 July	135	104	3	2	7	23	37	65	—	1	—	—
	Hurley	9	9	9	140	59·7	42·1	50·9	—	91	19	52·2	—	24·61	—	1·47	10 July	137	110	5	5	9	18	25	69	78	5	4·87	—
Hampshire	Bournemouth	9	9	9	130	58·8	45·1	51·9	+1·0	82	24	52·5	52·9	32·73	105	1·61	10 July	145	115	4	4	12	18	25	34	—	5	5·69	122
	Christchurch	9	9	9	9	59·8	44·0	51·9	—	85	23	—	—	30·69	—	1·94	10 July	125	113	4	1	8	19	13	44	85	8	—	—

* Sunshine recorder is at Seed Trial Grounds

TABLE III (*continued*)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1959

DISTRICT, COUNTY AND PLACE	Terminal Hours of Observation			Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT					EARTH TEMPERATURE		RAINFALL				WEATHER Number of days									BRIGHT SUNSHINE	
					Means of		Mean of A and B	Difference from Average	Absolute Maximum and Minimum					Most in a day		Precip'n									Hours per day	
	Max.	Min.	Rain		A Max.	B Min.				1 ft.	4 ft.	Total Fall	Percentage of Average	Amount	Date	·01 in. (0·2 mm.) or more	·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	Daily Mean	Percentage of Average
	G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	in.	%	in.												hr.	%
5. ENGLAND, S.E.—*contd.*																										
Hampshire Ringwood	9	9	9	250	60·1	44·0	52·1	—	88	21	52·1	52·5	34·21	—	1·64	6 Dec.	156	124	7	2	19	25	15	38	92	3	—	—
contd. Everton (Efford)	9	9	9	51	59·1	45·0	52·1	—	86	24	—	—	26·63	—	1·29	10 July	139	106	4	1	10	22	11	34	60	6	5·76	—
Southampton ¶§	9	9	9	65	61·6	44·8	53·2	+2·2	88	23	53·5	—	27·90	88	1·04	26 Oct., 6 Dec.	151	110	6	4	10	12	18	37	64	4	5·43	121
Leckford	9	9	9	385	58·8	42·7	50·7	—	88	20	51·1	—	29·76	94	1·60	6 Dec.	148	117	—	—	—	19	52	—	—		5·13	—
Winchester	9	9	9	124	60·3	41·6	50·9	—	88	20	—	50·5	32·11	100	1·53	6 Dec.	146	117	9	2	6	23	13	73	72	1	4·83	—
Martyr Worthy	9	9	9	275	59·7	42·3	51·0	—	88	19	—	—	29·63	—	1·50	6 Dec.	136	110	4	10	3	11	13	53	80	4	5·09	—
Southsea	9	9	9	7	58·9	48·1	53·5	+1·6	82	26	54·1	54·4	26·64	96	1·97	10 July	132	96	5	0	9	12	16	19	44	8	5·73	118
Hayling Island	9	9	9	13	58·5	46·5	52·5	—	81	25	—	—	26·86	—	2·03	9 Aug.	134	93	5	0	12	22	8	31	—	13	5·82	—
Long Sutton	9	9	9	512	—	42·5	—	—	89	14	—	—	30·67	98	1·95	10 July	145	117	7	8	5	21	37	64	98	3	—	—
Alice Holt Lodge	9	9	9	378	59·2	42·2	50·7	—	89	20	—	—	31·19	100	2·46	10 July	149	112	4	6	5	19	30	63	110	4	4·72	—
S. Farnborough	21—9	9		226	59·7	43·3	51·5	+1·5	92	17	—	—	23·58	87	2·13	10 July	137	96	7	4	7	20	30	49	78	1	4·69	108
Blackbushe	21—9	9		325	59·3	44·1	51·7	—	90	21	—	—	22·75	—	1·65	10 July	135	100	8	5	5	18	33	48	57	2	—	—
I. of Wight St. Catherine's Pt.	9	9	9	51	58·1	49·1	53·6	+3·1	79	30	—	—	28·88	98	1·26	5 Dec.	146	105	2	0	4	19	10	12	—	13	—	—
Ventnor Park	9	9	9	443	58·4	47·9	53·1	—	80	27	54·2	53·7	30·96	95	1·44	26 Oct.	147	118	4	0	7	15	10	15	22	1	5·95	—
Shanklin	9	9	9	180	57·8	46·4	52·1	—	81	24	—	—	33·58	—	1·69	26 Oct.	143	112	6	1	10	24	17	25	—	8	6·12	—
Sandown	9	9	9	13	59·5	47·7	53·6	+2·1	80	27	—	—	29·84	98	1·56	26 Oct.	136	105	5	0	9	14	14	18	—		5·90	117
Ryde	9	9	9	15	59·1	47·8	53·5	+1·9	83	27	—	—	29·44	98	1·28	26 Oct.	145	111	5	1	13	17	8	17	—	13	5·34	110
Wiltshire Lacock (Lackham)	9	9	9	160	59·0	41·2	50·1	—	85	20	—	—	27·30	—	·90	14 Dec.	151	117	—	8	—	—	20	73	—	—	—	—
West Lavington	9	9	9	305	60·0	41·5	50·7	—	86	20	—	—	28·73	94	1·51	14 Dec.	161	123	8	4	4	10	22	61	—	1	—	—
Lyneham	21—9	9		457	57·6	43·5	50·5	—	83	17	—	—	31·47	109	2·05	12 May	155	115	8	12	13	20	34	46	68	2	5·05	—
Larkhill	9	9	9	431	58·5	42·7	50·6	+1·7	88	18	—	—	31·46	111	1·55	14 Dec.	159	121	9	10	6	19	33	55	72	2	—	—
Boscombe Down	21—9	9		414	58·7	43·7	51·2	—	89	20	—	—	29·42	103	1·16	6 Dec.	151	114	8	9	5	20	29	47	85	2	5·08	—
Upavon	21—9	9		578	57·9	43·6	50·7	—	89	21	—	—	29·85	—	1·55	14 Dec.	144	119	10	11	10	20	38	46	69	3	—	—
Porton ¶§	9	9	9	362	58·9	42·1	50·5	+1·7	89	16	—	—	30·29	103	1·52	6 Dec.	155	121	9	9	8	17	24	61	100	9	5·18	117
7a. ENGLAND, N.W.																												
Cumberland Sellafield	9	9	9	43	56·5	45·2	50·9	—	80	23	—	—	38·02	88	1·34	17 Oct.	185	158	—	2	—	—	6	34	58	—	4·65	—
Silloth	21—9	9		25	55·5	43·1	49·3	—	84	16	—	—	32·31	92	1·68	26 Oct.	164	125	7	4	12	18	9	50	66	5	4·31	—
Newton Rigg	9	9	9	560	55·5	41·1	48·3	+1·5	81	14	—	—	32·83	94	1·21	26 Oct.	170	132	—	11	—	—	18	62	76	—	4·14	116
Westmorland Ambleside	9	9	9	151	56·7	41·7	49·2	—	84	16	—	—	70·48	95	2·56	26 Oct.	186	166	9	16	8	12	7	57	—	1	3·69	—
Moor House	9	9	9	1840	49·6	36·5	43·1	—	75	7	44·5	—	63·29	—	2·67	26 Oct.	198	170	34	39	6	8	43	117	—	19	3·70	—
Lancashire Barrow-in-Furness	9	9	9	55	56·1	45·0	50·5	—	83	23	—	—	40·64	—	1·94	10 May	169	141	6	16	10	6	33	31	—	1	—	—
Squires Gate	21—9	9		33	57·1	44·0	50·5	—	84	16	—	—	31·39	94	2·19	27 July	157	119	9	5	10	14	27	49	64	6	4·72	—
Urswick	9	9	9	130	57·4	43·0	50·2	—	84	14	—	—	39·93	—	1·25	17 Oct.	180	143	6	13	8	10	37	47	—	17	—	—
Poulton-le-Fylde	9	9	9	38	57·0	43·7	50·3	—	84	16	—	—	33·35	—	1·13	27 July	162	132	3	11	8	7	18	47	—	2	—	—
Speke	21—9	9		80	57·7	45·8	51·7	—	84	25	—	—	27·67	—	1·17	27 July	156	120	10	6	18	20	30	29	52	10	4·17	—
Kirkham	9	9	9	77	57·5	43·3	50·4	—	84	16	—	—	31·56	84	1·18	19 Dec.	162	121	8	8	10	10	20	44	72	0	4·56	—
Garstang	9	9	9	68	56·9	43·5	50·2	—	83	11	—	—	33·70	—	1·10	19 Dec.	163	126	—	5	—	—	13	47	69	—	4·23	—
Morecambe	9	9	9	24	56·7	45·7	51·2	+2·0	85	18	—	—	34·60	90	1·06	4 June	164	128	2	3	1	1	11	35	—	0	4·40	107
Preston (Moor Pk.)	9	9	9	108	57·4	44·0	50·7	—	83	13	—	—	32·81	83	1·51	25 Nov.	176	119	11	11	11	16	24	43	64	10	—	—
Bolton	9	9	9	352	56·8	42·5	49·7	+1·2	84	15	49·3	49·4	36·66	—	1·97	26 Oct.	178	128	9	22	3	7	37	48	64	2	4·13	—
Darwen	9	9	9	724	55·8	42·1	48·9	+1·5	83	22	49·3	—	49·18	90	2·18	26 Oct.	177	144	9	8	7	9	4	41	—	0	—	—
Stonyhurst ¶§	9	9	9	377	56·1	43·7	49·9	+1·9	83	16	—	—	37·45	78	2·18	26 Oct.	161	134	8	17	8	12	11	40	53	0	4·14	115
Helmshore	9	9	9	854	54·6	42·7	48·7	—	80	15	—	—	49·50	—	2·16	26 Oct.	190	139	9	11	—	—	24	37	79	—	4·00	—
Nelson	9	9	9	540	55·3	42·5	48·9	—	82	11	49·4	49·2	34·74	78	1·78	26 Oct.	171	134	—	17	—	—	13	45	62	—	3·62	—S
Rochdale	9	9	9	362	56·8	41·9	49·3	—	83	16	—	—	36·81	—	2·04	26 Oct.	166	129	8	6	9	12	41	57	63	3	3·78	—
Cheshire West Kirby Park	9	9	9	17	57·5	45·3	51·4	—	82	23	—	—	28·21	—	1·22	16 Apl.	156	123	—	—	—	—	—	35	60	—	4·54	—
Bidston Obs'y. ¶§	9	9	9	198	56·2	46·0	51·1	+1·8	82	22	—	—	28·75	99	1·33	9 Aug.	165	121	6	—	8	10	38	23	20	1	4·56	113
Northwich (Winnington)	9	9	9	65	59·0	45·2	52·1	—	87	23	—	—	27·21	90	2·33	11 May	155	119	10	13	11	14	23	37	48	9	—	—
Manchester Apt. ¶§	21—9	9		248	58·3	44·5	51·4	+2·4	85	18	—	—	25·82	82	1·30	26 Oct.	150	114	12	11	14	22	21	38	51	1	4·54	138
Macclesfield	9	9	9	500	56·8	43·8	50·3	+2·3	84	16	—	—	27·28	75	1·23	26 Oct.	160	121	21	20	16	17	20	38	—	16	—	—
7b. NORTH WALES																												
Flint Rhyl	9	9	9	31	57·8	45·3	51·5	+1·4	82	23	—	—	23·91	90	1·15	4 June	156	122	8	3	21	12	3	24	36	11	4·64	113
St. Asaph	9	9	9	75	58·5	44·1	51·3	—	83	23	—	—	26·06	—	1·82	16 Apl.	166	129	—	—	—	—	35	124	—	—	—	—
Prestatyn	9	9	9	12	57·9	45·3	51·6	—	81	24	—	—	25·55	89	1·35	16 Apl.	162	128	6	6	3	13	6	29	—	24	4·10	—
Hawarden Bridge	9	9	9	17	58·5	43·8	51·1	+1·4	83	19	—	—	27·83	101	1·47	16 Apl.	157	124	10	6	13	14	21	44	—	1	—	—
Anglesey Holyhead (Valley)	21—9	9		26	57·4	46·5	51·9	+1·5	79	27	—	—	32·83	98	1·75	17 Oct.	172	132	7	3	19	11	3	19	50	20	4·99	116
Denbigh Colwyn Bay	9	9	9	118	58·1	46·9	52·5	+2·0	81	25	—	—	27·67	94	1·59	16 Apl.	159	118	4	2	4	8	—	16	—	0	4·88	121
Alwen	9	9	9	1100	55·8	37·1	46·5	—	78	10	—	—	49·36	—	1·56	16 Apl.	200	166	—	—	—	—	—	114	109	—	—	—
Ruabon	9	9	9	312	58·1	43·0	50·5	—	83	18	—	—	34·36	—	1·50	16 Apl.	169	144	17	14	16	16	26	44	70	5	4·03	—
Wrexham	9	9	9	275	58·2	43·4	50·8	—	85	18	50·2	50·7	28·62	—	1·64	16 Apl.	161	130	11	13	6	9	42	41	86	0	—	—
Caernarvon Bryn Adda	9	9	9	275	57·3	46·0	51·7	—	78	28	—	—	40·39	—	1·63	17 Oct.	185	152	8	5	18	11	1	20	72	20	4·56	—
Aber	9	9	9	60	58·2	46·3	52·3	+1·8	80	28	—	—	39·54	95	2·16	17 Oct.	196	142	15	0	23	10	1	14	—	17	4·45	121
Llandudno ¶§	9	9	9	13	57·5	46·9	52·2	+1·6	81	27	—	—	26·92	93	1·29	17 Oct.	158	115	9	3	17	8	1	13	—	11	4·90	120
Merioneth Blaenau Ffestiniog	9	9	9	750	55·8	44·6	50·2	—	79	25	—	—	80·23	—	2·41	26 Oct.	212	180	12	17	25	9	17	25	—	5	3·60	—
Corwen	9	9	9	473	—	39·9	—	—	—	9	—	—	44·65	—	1·58	25 Dec.	181	149	13	17	6	10	—	74	58	—	—	—
Montgomery Lake Vyrnwy	9	9	9	995	54·3	41·3	47·8	—	78	19	—	—	60·35	93	2·64	26 Oct.	207	172	26	23	17	14	17	55	83	17	—	—
8a. SOUTH WALES																												
Cardigan Aberporth	21—9	9		376	56·2	46·7	51·5	—	81	25	—	—	39·62	97	1·19	17 Oct., 25 Nov.	171	136	8	0	24	17	5	15	32	12	5·06	—
Aberystwyth P.B.S.*	9	9	9	12	57·5	46·7	52·1	—	83	24	—	—	38·52	—	1·51	25 Nov.	183	148	3	0	32	21	7	21	—	36	4·71	116
	9	9	9	452	56·8	45·5	51·1	—	82	25	—	—	38·18	—	1·49	25 Nov.	192	140	7	8	12	9	9	19	54	4	4·71	120
Gogerddan	9	9	9	103	58·3	44·0	51·1	—	83	21	—	—	39·60	98	1·41	25 Nov.	177	145	8	7	10	11	3	43	64	3	4·63	—
Swyddffynnon	9	9	9	540	—	42·5	—	—	83	16	—	—	48·19	—	1·77	26 Oct.	186	152	7	13	20	7	5	42	70	0	—	—
Trawscoed	9	9	9	200	58·5	—	—	—	82	17	—	—	43·64	92	1·50	25 Nov.	189	156	8	10	6	5	3	—	63	1	4·24	—
Llety-evan-hen	9	9	9	950	54·8	43·3	49·1	—	77	27	—	—	50·87	—	1·86	25 Nov.	201	167	8	10	11	8	17	27	58	7	4·32	—
Pembroke Dale Fort	9	9	9	109	57·9	48·0	52·9	—	81	28	—	—	30·96	—	2·03	17 Oct.	160	124	2	0	9	12	7	5	29	26	5·57	—
Brawdy	9	9	9	360	56·3	45·6	50·9	—	79	27	—	—	46·16	—	2·21	10 Aug.	165	133	4	0	21	9	18	20	30	27	4·92	—
Milford Haven	9	9	9	179	58·0	46·6	52·3	—	81	25	—	—	39·96	—	1·91	14 Nov.	166	131	3	0	16	11	20	13	—	10	5·44	—
Haverfordwest	9	9	9	131	58·6	45·4	52·0	+2·3	80	20	—	—	50·31	108	2·20	17 Oct.	174	151	—	8	—	—	16	28	—	—	—	—
Radnor Llandrindod Wells¶§	9	9	9	772	56·8	41·3	49·1	+1·4	82	8	—	—	41·34	102	2·38	25 June	177	151	11	20	0	8	8	56	—	0	4·20	115
Brecknock Llwynon	9	9	9	860	56·3	41·3	48·8	—	79	19	—	—	67·93	—	2·50	25 Nov.	197	161	10	10	6	13	16	53	—	2	—	—
Glamorgan Mumbles Head	21—9	9		117	56·9	47·4	52·1	—	77	28	—	—	—	—	—	—	—	—	—	5	1	17	19	9	7	14	28	—	—
Swansea	9	9	9	27	58·8	47·6	53·2	+1·7	78	27	54·9	55·4	46·39	108	2·22	24 June	185	156	4	3	3	11	7	17	26	4	—	—
Port Talbot	9	9	9	24	59·9	46·7	53·3	—	84	23	—	—	42·78	—	1·38	25 Nov.	178	147	3	1	5	6	4	22	36	—	—	—
Neath	9	9	9	153	58·8	46·8	52·8	—	81	24	—	—	54·38	—	2·45	24 June	190	156	6	2	7	12	5	20	46	5	—	—
Rhoose	21—9	9		220	57·5	45·4	51·5	—	80	20	—	—	34·82	98	2·81	10 Aug.	170	131	7	5	11	17	13	31	43	7	4·98	—
Cardiff ¶§	9	9	9	202	58 6	45·4	52·0	+1·8	82	24	53·4	53·2	41·29	98	1·46	26 Oct.	185	142	4	—	14	22	10	31	61	—	4·66	109
Monmouth Tredegar	9	9	9	1028	55·8	41·8	48·8	—	79	19	—	—	68·15	—	2·85	25 Nov.	179	156	13	11	10	16	—	52	—	10	4·32	—S
Newport	9	9	9	75	58·9	44·7	51·8	—	82	21	—	—	39·32	98	1·33	26 Oct.	178	138	4	2	4	15	17	35	—	0	4·43	—
Usk	9	9	9	70	59·1	41·7	50·4	—	82	16	52·5	—	45·81	115	1·70	25 Nov.	155	127	4	8	1	9	16	66	80	1	4·33	—
Crumbland Plantation	9	9	9	804	56·2	43·4	49·8	—	80	22	50·5	51·0	44·87	—	2·16	25 Nov.	169	133	8	11	7	10	69	41	65	7	4·97	—
8b. ENGLAND, S.W.																												
Somerset Hawkridge (Liscombe)	9	9	9	1030	55·1	42·5	48·8	—	76	20	—	—	59·92	—	4·11	10 Aug.	188	161	—	—	—	—	—	40	—	—	—	—
Cannington	9	9	9	95	59·5	45·2	52·3	—	82	17	—	—	28·90	97	1·20	16 Apl.	148	113	2	3	5	11	15	30	60	7	5·18	—
Weston-s.-Mare	9	9	9	28	58·9	46·1	52·5	—	83	19	—	—	31·10	96	1·95	10 Aug.	150	119	2	4	3	16	20	31	—	14	5·07	120
Long Ashton	9	9	9	162	59·1	44·3	51·7	+1·6	84	20	52·1	—	32·84	91	1·31	26 Oct.	165	123	5	4	7	18	12	39	87	2	4·68	112
Bath ¶§	9	9	9	67	59·7	44·1	51·9	+1·3	83	21	53·0	53·1	31·67	102	1·21	12 May	161	129	5	4	8	18	21	55	73	—	4·83	117

* Plant Breeding Station.

TABLE III (*continued*)—SUMMARY OF THE RECORDS OF TEMPERATURE, RAINFALL AND SUNSHINE AND OF WEATHER OBSERVATIONS, YEAR 1959

DISTRICT, COUNTY AND PLACE		Terminal Hours of Observation: Max.	Min.	Rain	Height of Station above Mean Sea Level	AIR TEMPERATURE IN DEGREES FAHRENHEIT: Means of A Max.	B Min.	Mean of A and B	Difference from Average	Absolute Maximum and Minimum	EARTH TEMPERATURE: 1 ft.	4 ft.	RAINFALL: Total Fall	Percentage of Average	Most in a day: Amount	Date	WEATHER Number of days: Precip'n ·01 in. (0·2 mm.) or more	Precip'n ·04 in. (1·0 mm.) or more	Snow or Sleet	Snow lying at 9h.	Hail	Thunder heard	Fog (9h. G.M.T.)	Air Frost	Ground Frost	Gale	BRIGHT SUNSHINE: Hours per day: Daily Mean	Percentage of Average
		G.M.T.			ft.	°F.	°F.	°F.	°F.	°F.	°F.		in.	%	in.												hr.	%
8b. ENGLAND, S.W.—*contd.*																												
Dorset	Portland Bill ..	21—9	9		35	56·9	50·2	53·5	+2·1	77	31	—	—	26·73	101	·98	12 Nov.	142	105	—	—	—	—	—	5	—	—	—	—
	Weymouth ..	9	9	9	16	59·9	47·4	53·7	+2·0	84	25	—	—	30·52	102	1·04	7 Dec.	140	116	3	1	3	10	8	16	—	9	5·71	120
	Shaftesbury ..	9	9	9	680	57·6	43·5	50·5	+1·7	83	21	—	—	34·12	104	1·70	14 Dec.	135	117	—	—	—	—	43	—	—	—	—	—
	Swanage ..	9	9	9	37	58·0	46·3	52·1	—	82	26	—	54·5	31·10	—	2·27	10 July	138	110	2	—	4	11	20	21	23	20	5·60	—
	Poole	9	9	9	18	60·3	43·7	52·0	—	86	22	—	—	32·51	—	1·27	10 July	143	120	2	5	6	10	15	52	—	8	5·57	—
Devon	Hartland Pt. ..	21—9	9		298	56·0	48·7	52·3	—	83	30	—	—	37·37	—	1·83	14 Nov.	181	140	4	0	26	13	11	8	11	25	5·17	—
	Plymouth (Mt. Batten)	21—9	9		87	58·6	47·2	52·9	+1·4	81	25	—	—	41·54	110	1·73	10 Aug.	157	131	7	2	24	12	9	14	44	25	5·57	123
	Plymouth (The Hoe)	9	9	9	119	59·1	47·1	53·1	+1·3	82	27	53·8	54·3	41·51	110	2·20	10 Aug.	158	132	—	1	9	4	12	13	37	13	5·57	122
	Tavistock	9	9	9	457	—	—	—	—	84	23	—	—	54·57	—	2·32	25 Nov.	171	149	—	—	—	—	—	—	—	—	—	—
	Chivenor	21—9			20	59·8	47·2	53·5	—	85	22	—	—	36·57	—	1·44	14 Nov.	169	138	4	0	23	13	4	14	29	13	5·46	—
	Ilfracombe ..	9	9	9	25	58·1	49·4	53·7	+1·8	82	28	54·7	55·1	44·61	116	1·64	25 Nov.	164	143	2	0	13	5	1	5	—	11	5·32	124
	Princetown ..	9	9	9	1359	54·1	43·0	48·5	—	76	22	—	—	91·33	104	3·39	25 Nov.	185	175	5	10	5	9	64	31	60	1	—	—
	**Totnes	9	9	9	120	59·9	42·7	51·3	—	83	21	52·9	52·7	53·04	113	1·30	25 Nov.	159	135	7	3	13	19	12	45	96	6	5·04	—
	†Newton Abbot ..	9	9	9	272	59·0	45·1	52·1	+1·5	82	25	—	—	43·88	111	1·28	21 Jan.	163	131	3	2	6	10	12	20	44	4	5·39	123
	Paignton	9	9	9	8	59·3	46·5	52·9	—	79	25	—	—	42·28	109	1·19	10 July	160	128	3	2	8	9	3	17	—	3	5·39	117
	Torquay	9	9	9	26	59·0	47·1	53·1	+1·2	81	27	—	55·0	40·59	116	1·57	10 July	150	127	2	2	9	10	21	14	41	22	5·69	120
	Teignmouth ¶§	9	9	9	20	59·3	47·8	53·5	+1·5	80	27	—	—	38·02	114	1·79	10 Aug.	156	123	3	1	10	13	6	9	24	9	5·28	113
	Starcross	9	9	9	29	58·8	45·1	51·9	—	82	23	—	—	38·75	—	1·68	30 Nov.	156	124	—	1	—	—	13	29	63	—	5·35	—
	Exmouth	9	9	9	195	57·9	45·5	51·7	+1·2	83	23	—	—	35·83	108	1·46	10 Aug.	152	119	3	2	4	16	15	27	—	9	5·41	122
	Exeter	21—9	9		106	59·3	44·6	51·9	—	86	21	—	—	35·33	106	2·38	10 Aug.	146	111	8	3	14	19	7	40	63	6	5·13	—
	Sidmouth	9	9	9	25	58·8	46·3	52·5	+1·6	82	26	—	—	34·34	—	1·16	10 July	136	125	—	1	—	—	—	23	32	—	5·25	—
Cornwall	St. Mary's, Scilly ..	21—9	9		158	58·6	50·4	54·5	+2·0	76	35	—	—	32·74	100	1·24	9 Oct.	159	116	0	0	8	1	8	0	—	37	5·28	112
	Penzance	9	9	9	62	59·7	48·2	53·9	+1·2	79	26	—	—	44·77	108	1·67	5 Jan.	178	145	0	0	27	10	1	6	—	21	5·62	123
	Gulval	9	9	9	50	59·6	48·5	54·1	+2·1	79	29	—	—	42·86	—	1·74	5 Jan.	162	141	0	0	16	5	12	6	—	3	5·25	114
	Camborne (Rosewarne)	9	9	9	250	57·9	47·9	52·9	—	79	29	—	—	44·74	—	1·45	25 Nov.	179	146	3	0	21	4	8	7	24	10	5·00	—
	Falmouth .. ¶§	9	9	9	167	58·4	47·9	53·1	+1·0	77	29	—	—	47·90	111	1·61	10 Aug.	171	149	3	0	15	4	6	8	25	3	5·18	113
	Newquay	9	9	9	176	58·0	47·5	52·7	+1·4	79	28	—	—	41·97	123	4·62	10 Aug.	165	136	0	—	—	—	10	—	—	—	5·20	115
	St. Mawgan ..	21—9	9		337	57·7	47·2	52·5	—	81	26	—	—	47·00	—	4·78	10 Aug.	169	144	5	0	35	15	12	14	19	15	5·54	—
	St. Austell.. ..	9	9	9	310	58·7	—	—	—	80	28	—	—	56·76	117	4·39	10 Aug.	184	151	0	—	9	4	22	—	—	4	—	—
	Fowey	9	9	9	51	59·5	47·7	53·6	+1·6	80	27	—	—	43·14	—	3·65	10 Aug.	163	135	3	1	9	9	14	11	—	15	—	—
	Bude	9	9	9	50	59·2	46·2	52·7	+1·8	83	23	—	—	36·53	107	1·45	14 Nov.	179	144	1	0	24	12	—	20	—	19	5·05	113
	Ellbridge	9	9	9	190	59·3	44·6	51·9	—	82	24	—	—	48·17	—	1·95	25 Nov.	172	145	4	0	10	10	6	33	59	5	5·18	—
NORTHERN IRELAND																												
London-derry	Ballykelly .. ¶§	21	9	9	3	56·4	44·3	50·3	+1·2	79	19	—	—	28·01	81	1·25	17 Oct.	193	138	18	10	28	8	2	45	76	5	4·25	117
	Garvagh .. ¶	9	9	9	121	56·2	41·9	49·1	+1·4	77	18	50·6	—	33·77	80	1·10	17 Oct.	208	153	23	16	26	13	11	59	107	7	—	—
Antrim	Aldergrove ¶§	21—9			217	55·7	43·4	49·5	+1·4	78	17	—	—	29·33	85	1·39	17 Oct.	183	140	14	10	10	11	10	53	72	7	4·02	114
	Nutts Corner ..	21—9			338	55·6	43·2	49·4	—	77	15	—	—	32·99	—	1·33	17 Oct.	190	147	15	14	14	7	5	43	68	—	—	—
Down	Hillsborough §	9	9	9	388	56·0	43·2	49·6	—	76	22	50·3	—	30·85	87	1·28	6 Dec.	195	138	8	13	6	8	9	35	68	4	3·94	110
	Kilkeel	21—9	9		59	56·0	45·1	50·5	—	74	27	—	—	30·00	—	1·29	10 Oct.	168	133	3	0	2	2	0	23	—	17	—	—
	Belfast (Stormont Castle)	9	9	9	200	56·4	43·8	50·1	—	77	21	—	—	29·59	—	1·00	17 Oct.	176	138	9	10	9	7	—	30	—	—	—	—
Armagh	Armagh .. ¶§	9	9	9	205	57·6	43·0	50·3	+1·6	80	21	51·4	51·7	29·39	88	·94	10 Oct.	190	146	8	13	5	5	5	19	40	73	4·14	120
	Loughgall	9	9	9	91	56·9	41·3	49·1	—	78	19	—	—	25·47	—	·94	17 Oct.	182	140	9	5	10	5	—	74	129	6	3·95	—
Fermanagh	Ely Lodge	9	9	9	165	56·1	42·3	49·2	—	77	13	51·4	51·2	41·07	—	1·69	10 Oct.	211	179	10	10	17	8	15	59	91	0	—	—
CHANNEL ISLES																												
Guernsey	States Airport ..	9	9	9	340	57·9	48·9	53·4	—	84	33	54·3	54·6	36·61	108	2·23	10 July	153	126	5	0	26	13	17	0	8	6	6·20	—
Alderney	States Airport ..	9	9	9	288	57·2	48·3	52·7	—	77	32	53·9	—	29·61	—	1·04	5 Jan.	142	117	2	0	19	14	24	1	—	40	5·88	—
Jersey	Jersey Airport ..	9	9	9	273	59·2	48·8	54·0	—	87	32	—	—	30·02	92	·98	3 Nov.	151	115	4	—	26	16	9	1	14	29	6·18	—
	St. Helier	9	9	9	28	60·7	50·3	55·5	—	88	32	—	—	30·05	100	1·12	20 Aug.	146	117	3	—	11	12	4	2	—	12	6·28	—

** Dartington Hall. † Seale-Hayne College.

TABLE IV——SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1	2	3 to 5	6	7	8	9
			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%									
0. SCOTLAND, N.			3	272	1011·2	—	44·5	1·1	9·4	91	6·1	10	42	52	105	140	16
			9	272	1011·4	+1·7	46·7	1·8	9·6	86	6·5	3	15	54	171	105	17
Zetland	Lerwick Observatory	H	15	272	1011·5	—	47·7	2·3	9·7	84	6·1	0	35	63	155	104	8
			21	272	1011·6	—	45·2	1·2	9·5	90	6·0	5	46	60	124	122	8
			3	94	1011·2	—	45·2	1·1	9·6	91	5·6	16	65	51	89	137	7
Orkney	Grimsetter	H	9	94	1011·6	—	47·7	1·9	9·9	86	6·2	3	39	48	153	119	3
			15	94	1011·5	—	49·9	2·8	10·1	81	5·8	6	50	59	152	97	1
			21	94	1011·8	—	46·1	1·4	9·8	89	5·7	6	74	45	105	133	2
			3	121	1011·9	—	45·2	1·5	9·3	87	5·4	27	57	46	116	110	9
Caithness	Wick	H	9	121	1012·2	+1·9	47·7	2·3	9·7	83	6·1	5	36	55	170	96	3
			15	121	1012·1	—	50·0	3·1	9·9	79	5·8	9	44	58	180	73	1
			21	121	1012·4	—	46·5	1·9	9·5	85	5·4	17	60	58	131	90	9
			3	371	1010·1	—	47·3	1·5	10·1	89	5·8	33	23	70	75	139	25
Sutherland	Cape Wrath ..		9	371	1010·4	—	47·9	1·6	10·3	88	6·2	18	13	74	102	136	22
			15	371	1010·5	—	49·4	2·0	10·7	87	6·1	18	18	63	135	118	13
			21	371	1010·7	—	47·8	1·5	10·3	89	5·7	32	26	65	101	122	19

DISTRICT, COUNTY AND PLACE			VISIBILITY: NUMBER OF OBSERVATIONS: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
													Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0							
0. SCOTLAND, N.																									
			1	9	6	2	6	17	62	65	120	77	13	60	154	119	19	34	14	19	40	89	55	62	33
			0	9	5	4	5	17	68	60	114	83	15	70	174	97	9	32	22	20	39	95	65	50	33
Zetland	Lerwick Observatory	H	0	5	2	2	5	13	66	74	108	90	14	77	192	76	6	32	25	16	51	94	59	63	19
			0	8	0	3	2	14	63	85	117	73	9	58	161	115	22	39	16	20	43	83	56	64	22
			0	3	2	3	6	7	73	63	157	51	7	27	148	161	22	24	8	28	47	110	51	57	18
Orkney	Grimsetter	H	0	1	2	1	2	2	72	58	144	83	7	40	187	125	6	32	13	26	58	102	51	55	22
			0	1	0	0	2	9	69	51	127	106	7	40	201	113	4	38	10	26	70	87	35	68	27
			0	2	1	2	4	4	70	79	140	63	7	30	138	161	19	30	10	25	62	102	38	54	25
			0	4	3	3	11	13	70	57	124	80	5	23	143	171	23	24	6	17	56	103	43	64	29
Caithness	Wick	H	0	1	1	2	6	12	77	61	88	117	3	39	164	146	13	23	11	15	63	121	36	52	31
			0	0	0	3	5	8	64	57	94	134	4	46	168	141	6	30	17	28	79	93	27	52	33
			0	3	3	8	2	12	62	61	125	89	2	25	137	175	26	24	11	23	74	82	45	45	35
			0	3	1	2	1	0	14	28	67	231	8	34	107	193	23	24	13	24	52	68	94	45	22
Sutherland	Cape Wrath ..		0	7	8	4	0	1	24	33	68	217	9	40	101	194	21	23	12	25	53	78	93	39	21
			0	7	3	0	1	0	25	21	69	236	8	38	118	182	19	21	12	27	47	67	109	40	23
			0	5	2	6	0	1	18	26	63	238	6	45	100	192	22	28	14	29	61	60	86	44	21

Visibility. Entries are in italics where there is no visibility object within 10 per cent. of the correct distance.
H indicates that the means of relative humidity and vapour pressure have been computed from the daily values (see notes on tables).

TABLE IV (*continued*)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1959

DISTRICT, COUNTY AND PLACE			Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 to 2	3 to 5	6 to 7	8	9
0. SCOTLAND, N.—*contd.*			G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%							
			3	16	1010·6	—	46·3	1·5	9·8	89	5·0	28	84	52	85	113	3
			9	16	1011·0	+1·0	48·7	2·2	10·2	84	5·7	8	44	76	134	103	0
Ross & Cromarty	Stornoway	H	15	16	1011·0	—	51·2	3·3	10·3	78	5·5	8	51	80	152	73	1
			21	16	1011·2	—	47·5	1·9	10·0	86	4·9	29	83	52	101	100	0
			3	21	1010·5	—	47·6	1·5	10·2	88	5·3	20	64	60	100	118	3
			9	21	1010·9	—	49·5	2·2	10·5	84	6·0	4	37	63	167	94	0
Inverness	Benbecula	H	15	21	1010·9	—	51·5	3·0	10·6	80	5·7	10	48	66	157	84	0
			21	21	1011·0	—	48·5	1·9	10·3	87	5·5	13	63	62	117	107	3
1. SCOTLAND, E.																	
			3	19	1011·7	—	45·0	1·9	9·0	85	5·4	34	50	57	119	104	1
			9	19	1012·0	—	48·4	3·1	9·4	78	5·7	8	45	65	182	64	1
Moray	Kinloss	H	15	19	1011·7	—	52·9	4·9	9·7	70	5·7	4	40	75	184	62	0
			21	19	1012·1	—	47·4	2·6	9·4	81	5·3	23	60	53	140	87	2
			3	193	1013·2	—	43·9	1·2	9·1	90	5·4	32	55	50	101	110	17
			9	193	1013·4	+1·9	47·8	2·6	9·6	82	5·9	9	40	55	168	91	2
Aberdeen	Dyce ..	H	15	193	1013·1	—	51·8	4·1	10·0	75	5·7	5	51	67	161	77	4
			21	193	1013·5	—	46·2	1·7	9·6	87	5·5	21	61	46	121	111	5
			3	108	1012·1	—	45·1	1·4	9·4	89	5·5	1	42	104	145	57	16
			9	108	1012·3	—	47·4	2·1	9·9	85	5·7	0	33	91	182	51	8
	Rattray Head		15	108	1012·3	—	50·0	3·0	10·0	79	5·4	0	42	107	161	45	10
			21	108	1012·3	—	46·6	1·9	9·6	86	5·5	0	33	121	133	63	15
			3	38	1012·7	—	45·3	1·5	9·5	88	5·1	58	48	51	66	132	10
			9	38	1013·2	+1·2	48·3	2·7	9·7	81	5·9	8	44	66	140	102	5
Fife	Leuchars	H	15	38	1012·7	—	53·0	4·7	10·0	71	5·8	7	44	63	166	84	1
			21	38	1013·0	—	47·8	2·2	9·9	84	5·4	34	53	47	100	125	6
			3	114	1013·2	—	44·5	1·2	9·4	90	5·3	44	47	48	93	120	13
			9	114	1013·7	—	48·4	2·5	9·9	82	5·7	7	43	79	148	84	4
Midlothian	Turnhouse	H	15	114	1013·1	—	53·5	4·7	10·2	72	5·8	6	42	75	162	77	3
			21	114	1013·4	—	47·4	2·0	9·9	85	5·2	30	64	56	112	99	4
6a. SCOTLAND, W.																	
			3	34	1011·3	—	48·3	1·7	10·3	87	5·3	28	67	51	90	127	2
			9	34	1011·8	+0·7	50·2	2·4	10·5	83	5·9	13	40	53	155	104	0
Argyll	Tiree ..	H	15	34	1011·7	—	52·2	3·3	10·7	78	5·6	10	56	65	137	97	0
			21	34	1011·7	—	49·1	2·0	10·4	85	5·2	14	83	63	99	104	2
			9	122	1012·3	—	50·2	2·3	10·7	84	5·6	3	44	92	123	103	0
	Rhuvaal	H	15	122	1012·1	—	52·4	3·1	10·9	79	5·5	1	55	97	121	91	0
			21	122	1012·1	—	49·8	2·2	10·6	84	5·2	1	75	99	84	105	1
			3	29	1013·1	—	45·9	1·4	9·8	89	5·8	27	33	62	123	111	9
			9	29	1013·5	+1·0	48·7	2·5	10·0	83	6·1	10	24	73	142	107	9
Renfrew	Renfrew	H	15	29	1012·9	—	54·2	4·9	10·4	71	6·0	5	24	89	147	94	6
			21	29	1013·2	—	48·8	2·3	10·2	84	5·5	20	58	68	107	103	9
			3	33	1012·9	—	47·2	2·1	9·7	85	5·4	35	48	60	96	126	0
			9	33	1013·4	—	49·6	2·8	10·1	80	5·7	9	47	55	168	86	0
Ayr	Prestwick Airport	H	15	33	1012·9	—	54·5	4·8	10·5	71	5·8	3	48	67	161	86	0
			21	33	1013·1	—	49·6	2·7	10·3	81	5·2	33	51	66	114	101	0
			9	778	1014·0	+1·2	46·4	1·9	9·6	86	6·0	12	39	61	121	120	12
Dumfries	Eskdalemuir	H	15	778	1013·2	—	51·7	3·8	10·1	76	6·1	4	34	66	154	104	3
			21	778	1014·0	—	44·8	1·2	9·5	90	5·2	42	63	37	90	126	7
			3	260	1013·0	—	48·3	1·2	10·8	91	5·5	4	60	97	70	134	0
			9	260	1013·4	—	50·1	1·7	11·2	88	6·3	0	29	75	108	153	0
Wigtown	Mull of Galloway	H	15	260	1013·0	—	52·7	2·7	11·6	83	6·1	0	34	83	111	137	0
			21	260	1013·2	—	49·6	1·6	11·0	89	5·6	0	54	110	68	133	0
6b. ISLE OF MAN																	
			3	31	1013·2	—	49·0	1·5	10·8	89	4·7	26	96	60	107	73	3
			9	31	1013·8	—	51·7	2·3	11·4	84	5·6	7	48	84	153	71	2
Isle of Man	Point of Ayre		15	31	1013·5	—	55·1	4·1	11·6	77	5·3	15	59	73	140	78	0
			21	31	1013·4	—	50·6	2·0	11·1	86	4·8	28	78	63	124	72	0
			3	68	1013·8	—	48·7	1·7	10·5	87	5·0	34	70	63	75	122	1
			9	68	1014·1	—	51·4	2·6	11·0	83	5·8	6	44	69	142	101	3
	Ronaldsway	H	15	68	1013·8	—	54·0	3·9	11·0	76	5·5	13	57	64	147	83	1
			21	68	1013·9	—	50·2	2·2	10·8	85	4·9	26	82	64	86	106	1
2. ENGLAND, N.E.																	
			3	142	1013·7	—	44·3	1·3	9·3	89	4·7	70	58	40	76	112	9
			9	142	1014·1	—	49·0	2·7	10·0	82	5·7	12	54	62	135	99	3
Northumberland	Acklington	H	15	142	1013·9	—	52·4	4·0	10·4	75	5·6	11	49	67	144	92	2
			21	142	1014·0	—	46·7	1·7	9·9	87	5·1	31	62	68	84	110	10
			3	130	1014·1	—	47·3	1·9	9·9	86	5·0	76	29	54	75	119	12
			9	130	1014·5	+1·4	49·2	2·8	9·9	81	5·7	27	29	75	113	109	12
	Tynemouth	H	15	130	1014·3	—	52·0	3·7	10·3	76	5·8	15	27	96	105	116	6
			21	130	1014·2	—	49·5	2·5	10·3	81	5·4	48	32	63	93	125	4
			3	118	1014·4	—	45·4	1·4	9·6	89	5·1	56	51	44	83	110	21
			9	118	1014·9	—	49·5	3·0	9·9	81	5·8	12	53	47	139	98	16
Durham	Middleton St. George	H	15	118	1014·2	—	54·7	5·4	10·2	69	5·8	9	49	63	156	83	5
			21	118	1014·7	—	48·5	2·4	10·1	83	5·0	40	58	61	93	105	8
			3	131	1014·6	—	45·4	1·3	9·6	90	5·3	50	45	52	83	110	18
			9	131	1015·0	—	49·1	2·8	10·0	82	6·2	6	34	51	158	92	24
Yorks., N. Riding	Dishforth	H	15	131	1014·2	—	55·7	5·7	10·4	69	6·0	11	30	60	180	79	5
			21	131	1014·8	—	48·8	2·3	10·2	84	5·2	35	59	61	94	107	9
			3	54	1014·9	—	48·5	1·4	10·8	89	4·2	86	50	64	93	55	17
Yorks., E. Riding	Spurn Head	H	9	54	1015·4	+1·5	49·9	1·9	11·1	87	5·1	26	50	92	120	62	15
			15	54	1014·9	—	53·0	3·0	11·5	81	5·0	26	46	102	126	62	3
			21	54	1015·1	—	50·3	1·8	11·2	87	4·3	69	57	79	80	74	6
			3	227	1015·3	—	45·7	1·1	9·9	92	4·6	78	59	34	61	111	22
			9	227	1015·7	—	49·8	2·6	10·5	83	5·7	18	48	59	129	92	19
Lincoln	Waddington	H	15	227	1014·8	—	55·8	5·7	10·5	69	5·8	10	50	54	156	88	7
			21	227	1015·5	—	49·1	2·3	10·4	85	4·8	55	63	58	81	102	6
			3	47	1015·1	—	45·5	1·1	9·9	92	4·9	52	63	47	85	99	19
			9	47	1015·6	—	50·5	2·8	10·8	83	5·5	16	55	60	134	93	7
	Manby	H	15	47	1015·1	—	55·3	4·9	10·9	72	5·4	16	56	64	137	91	1
			21	47	1015·4	—	48·1	1·7	10·5	87	4·9	36	74	53	84	109	9

DISTRICT, COUNTY AND PLACE			VISIBILITY: NUMBER OF OBSERVATIONS: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
													Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0							
0. SCOTLAND, N.—*contd.*																									
			0	2	1	1	0	3	44	130	155	29	4	48	131	146	36	30	15	26	32	108	56	37	25
			0	0	0	1	3	5	55	102	119	80	7	56	179	108	15	26	25	25	42	113	55	37	27
Ross & Cromarty	Stornoway	H	0	0	1	1	0	1	36	99	120	108	5	57	194	100	9	18	37	33	26	127	41	50	24
			0	0	1	1	1	2	51	124	139	46	2	36	168	133	26	23	34	38	23	967	56	44	25
			0	1	1	3	4	12	49	97	114	84	11	49	142	145	18	35	20	20	57	103	50	41	21
			0	0	0	0	6	10	53	92	96	108	10	69	157	122	7	31	19	29	57	102	56	41	23
Inverness	Benbecula	H	0	0	0	0	9	8	40	96	81	131	5	72	177	109	2	28	22	17	55	97	58	52	34
			0	1	2	0	7	7	48	99	103	98	6	54	145	149	11	28	30	35	45	96	44	50	26
1. SCOTLAND, E.																									
			0	0	1	2	2	12	55	92	132	69	2	9	81	257	16	15	9	34	37	82	111	42	19
			0	0	1	0	0	9	58	61	103	133	1	22	116	217	9	23	14	39	31	67	94	65	23
Moray	Kinloss	H	0	0	1	1	0	2	51	67	104	139	3	29	147	183	3	45	32	42	31	50	71	64	27
			0	1	1	1	2	15	55	94	107	89	0	13	97	250	5	13	22	64	32	83	82	41	23
			0	6	5	10	6	24	109	125	63	17	1	6	67	171	120	17	2	11	34	75	25	43	38
			0	0	3	5	8	28	106	96	88	31	1	15	108	180	61	28	5	19	37	91	32	41	51
Aberdeen	Dyce ..	H	0	1	2	3	5	27	98	108	81	40	1	16	138	178	32	20	5	42	51	111	30	35	39
			0	2	1	6	16	37	129	100	60	14	2	10	81	176	96	19	3	13	48	88	27	35	36
			0	1	2	1	5	2	38	192	111	0	11	30	122	190	12	30	1	22	29	144	29	80	18
			0	6	0	4	4	4	48	124	175	0	10	38	135	174	8	37	3	29	28	131	32	82	15
	Rattray Head		0	5	2	2	2	6	37	110	201	0	8	41	172	139	5	50	8	39	29	138	12	69	15
			0	6	1	5	10	2	40	160	141	0	13	33	145	159	15	37	2	28	30	141	24	70	18
			0	6	6	3	12	40	85	77	*90*	*46*	1	7	62	214	81	10	27	21	19	28	61	105	13
			0	3	3	6	12	25	84	74	*89*	*69*	1	14	99	204	47	10	23	39	25	30	65	111	15
Fife	Leuchars	H	0	1	1	2	4	23	80	81	*89*	*84*	1	22	142	181	19	11	18	79	40	29	65	84	20
			0	1	3	8	18	27	93	83	*71*	*61*	1	13	76	225	50	9	34	37	36	23	62	94	20
			1	9	4	6	19	24	109	130	53	10	0	17	77	158	113	8	29	30	13	22	64	80	6
			0	6	4	6	11	49	96	103	60	30	0	21	119	166	59	12	37	31	19	24	65	111	7
Midlothian	Turnhouse	H	0	2	1	4	13	33	95	107	66	44	3	29	148	162	23	12	72	41	15	25	58	104	15
			1	3	2	3	22	50	132	100	41	11	1	19	89	183	73	8	42	43	15	27	77	73	7
6a. SCOTLAND, W.																									
			0	1	1	1	1	6	81	101	*92*	81	6	61	154	112	32	38	9	20	59	86	49	44	28
			0	0	0	0	5	13	76	97	*69*	105	4	74	164	102	21	38	12	17	65	94	51	45	22
Argyll	Tiree ..	H	0	0	0	0	0	12	77	92	*57*	127	7	69	165	102	22	51	5	14	65	80	54	48	26
			0	1	0	2	1	10	76	85	*92*	98	6	53	157	120	29	50	13	23	58	77	35	48	32
			0	0	0	0	0	0	51	40	128	146	6	26	81	234	18	24	12	33	35	126	42	53	22
	Rhuvaal	H	0	0	0	0	1	0	46	52	112	154	8	34	97	215	11	29	12	26	40	94	47	77	29
			0	0	1	0	1	1	56	57	74	175	11	31	80	227	16	19	10	33	31	117	40	67	32
			5	5	3	6	11	42	118	74	65	*36*	1	6	75	158	125	3	25	49	15	30	53	65	0
			5	4	7	15	33	72	106	54	26	*43*	1	13	105	159	87	5	27	52	22	41	52	65	14
Renfrew	Renfrew	H	3	8	5	9	19	49	110	48	49	*65*	1	16	166	145	37	8	31	46	23	52	60	86	22
			15	25	95	133	42	17	*21*	0	8	93	197	67	5	26	63	17	46	50	85	6			
			0	0	0	2	1	19	89	129	110	15	0	11	108	222	24	11	46	70	60	61	34	38	21
			0	0	0	1	14	20	96	111	86	37	0	9	126	220	10	13	35	67	51	65	51	56	17
Ayr	Prestwick Airport	H	0	0	0	1	5	17	63	117	85	77	0	16	176	170	3	8	20	39	45	63	75	81	31
			0	0	0	4	5	30	104	126	60	36	0	9	121	211	24	8	31	76	46	53	40	51	16
			0	6	4	3	8	18	93	68	73	92	0	13	78	191	83	35	28	29	14	57	62	38	19
Dumfries	Eskdalemuir	H	0	2	2	1	1	8	83	66	85	117	0	15	114	199	37	15	30	39	20	85	65	50	24
			0	3	1	5	6	22	91	79	86	72	0	18	52	185	110	30	25	18	12	57	48	34	31
			0	2	3	5	2	2	13	42	276	15	23	65	153	123	1	30	7	39	42	77	63	52	54
			0	2	4	5	1	1	20	49	264	15	23	56	171	115	0	37	7	54	36	73	49	60	49
Wigtown	Mull of Galloway	H	0	2	2	11	1	1	16	53	267	10	21	67	169	108	0	27	6	53	36	86	47	63	47
			0	1	5	1	1	4	8	62	261	22	21	65	153	126	0	36	7	32	39	86	53	60	52
6b. ISLE OF MAN																									
			0	1	1	4	3	4	27	*64*	*207*	54	1	27	146	172	19	21	26	29	61	68	53	54	34
			0	2	2	3	5	6	30	*74*	*213*	30	2	34	141	186	2	26	29	38	63	63	54	60	30
Isle of Man	Point of Ayre		0	0	0	0	7	4	33	*67*	*211*	43	3	36	144	182	0	24	27	32	64	54	52	76	36
			0	0	0	1	5	4	27	*80*	*201*	46	4	33	134	175	19	22	18	26	49	56	76	58	41
			0	1	1	1	4	14	*79*	112	83	*70*	11	59	133	128	34	53	27	39	38	35	53	58	28
			0	0	0	5	6	29	*68*	103	73	*81*	13	54	170	115	13	31	18	70	40	55	51	52	35
	Ronaldsway	H	0	0	0	4	2	26	*70*	105	66	*92*	12	48	185	112	8	14	10	80	37	61	57	63	35
			0	0	1	1	4	15	*91*	98	74	*81*	10	57	123	131	44	52	15	53	25	40	51	51	34
2. ENGLAND, N.E.																									
			0	8	3	13	24	33	105	88	68	23	0	13	80	231	41	28	12	8	24	57	59	108	28
			0	3	1	9	17	49	68	95	65	58	1	13	135	199	17	40	21	29	25	73	60	70	30
Northumberland	Acklington	H	0	0	2	7	17	34	79	75	82	69	1	25	171	163	5	30	35	49	61	60	61	44	20
			0	5	2	10	25	52	88	108	47	28	0	12	87	208	58	27	13	24	25	65	69	64	20
			1	2	2	3	16	29	121	*187*	0	*0*	2	14	92	231	26	33	5	25	13	70	55	117	21
			3	7	2	18	48	56	105	*126*	0	*0*	4	12	129	204	16	51	16	26	13	68	57	96	22
	Tynemouth	H	3	3	0	4	35	47	115	*158*	0	*0*	7	16	149	187	6	46	22	45	52	71	26	86	11
			3	0	0	8	30	45	138	*141*	0	*0*	3	13	112	216	21	40	14	25	24	88	39	99	15
			5	8	11	*16*	*32*	*55*	116	82	37	3	0	8	73	209	75	26	18	13	10	86	67	35	35
			2	7	5	*16*	*19*	*61*	119	65	48	23	0	10	117	209	29	41	29	18	7	106	60	47	28
Durham	Middleton St. George	H	0	*1*	3	*8*	*20*	*62*	122	72	40	37	0	12	173	174	6	27	62	28	19	78	63	61	21
			1	6	1	*19*	*33*	*64*	112	87	29	13	0	7	88	235	35	47	31	14	23	81	65	43	26
			1	16	7	16	29	66	100	76	44	10	0	5	65	271	24	64	7	23	65	56	37	35	54
			2	17	12	11	24	56	96	58	42	47	0	5	113	238	9	78	18	30	60	69	27	34	40
Yorks., N. Riding	Dishforth	H	1	3	2	10	21	37	89	76	49	77	1	8	166	185	5	52	18	33	60	62	42	65	28
			1	5	5	12	30	58	96	70	62	26	0	8	67	278	12	47	16	38	65	60	38	47	42
			2	8	3	*12*	7	*25*	*231*	77	*0*	*0*	1	19	178	144	23	32	23	28	34	74	59	56	36
Yorks., E. Riding	Spurn Head	H	2	*11*	2	5	21	*61*	*203*	59	*1*	*0*	2	18	171	148	26	49	20	33	34	68	45	58	32
			1	2	1	5	17	*74*	*184*	81	*0*	*0*	1	24	212	114	14	49	35	64	38	48	47	38	32
			1	2	1	5	11	*48*	*224*	73	*0*	*0*	1	25	173	144	22	40	26	44	42	65	50	46	30
			1	17	8	11	26	51	131	87	28	5	0	5	90	251	19	44	32	24	42	61	88	33	22
			0	16	7	10	19	43	133	73	48	16	0	9	121	222	13	44	27	30	37	71	68	46	29
Lincoln	Waddington	H	0	10	0	4	11	34	82	97	87	40	0	12	167	173	13	26	50	31	44	57	66	58	20
			1	4	4	9	21	52	134	79	49	12	0	6	88	259	12	30	47	45	41	76	48	45

TABLE IV (*continued*)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	CLOUD AMOUNT (OKTAS): No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																			
3. ENGLAND, E.																																												
Norfolk	Marham H	3	89	1015·5	—	45·4	1·1	9·9	92	4·5	87	44	55	63	101	15	0	13	5	12	18	35	158	101	22	1	0	7	114	212	32	38	24	42	45	80	46	30	28
		9	89	1016·0	—	50·5	2·8	10·7	83	5·5	32	48	52	121	91	21	2	14	5	5	15	33	108	100	59	24	0	9	176	156	24	36	32	39	37	75	51	33	38
		15	89	1015·2	—	56·5	6·0	10·5	68	5·7	19	44	51	147	97	7	2	4	1	1	10	14	84	121	73	55	0	18	202	136	9	47	34	34	37	70	57	48	29
		21	89	1015·8	—	49·3	2·2	10·5	85	4·5	72	62	55	62	108	6	1	5	1	5	13	35	123	108	61	13	0	12	133	204	16	43	35	56	46	74	45	30	20
	West Raynham H	3	263	1015·3	—	45·5	1·1	10·0	91	4·3	88	55	44	78	87	13	0	19	5	18	*18*	*33*	*137*	*110*	*24*	*1*	1	12	118	209	25	26	38	24	38	53	78	65	18
		9	263	1015·8	—	50·1	2·8	10·7	83	5·2	32	64	44	134	80	11	0	13	5	4	*15*	*36*	*90*	*102*	*68*	*32*	0	15	179	158	13	31	39	31	40	59	67	60	25
		15	263	1015·0	—	55·5	5·7	10·4	69	5·5	18	53	53	160	76	5	1	4	1	1	*4*	*24*	*70*	*120*	*90*	*50*	1	24	204	128	8	30	51	32	30	74	55	51	34
		21	263	1015·6	—	48·4	2·0	10·4	86	4·5	60	83	42	70	98	12	0	9	2	6	*24*	*32*	*107*	*117*	*60*	*8*	2	16	121	208	18	24	47	40	47	62	69	34	24
		3	26	1015·7	—	48·7	1·7	10·9	89	3·9	111	53	43	60	88	10	0	6	5	3	*6*	21	*207*	*117*	0	*0*	2	16	95	244	8	23	32	40	22	65	59	82	34
	Gorleston	9	26	1016·2	+1·3	50·8	2·4	11·1	84	4·9	44	62	50	122	73	14	3	4	5	8	*4*	*27*	*201*	*113*	0	*0*	1	28	101	227	8	36	29	45	21	75	51	63	37
		15	26	1015·8	—	53·3	3·4	11·4	80	5·0	39	50	73	115	84	4	1	1	1	5	*9*	*26*	*118*	*134*	0	*0*	1	24	168	170	2	34	50	41	42	87	39	31	39
		21	26	1016·0	—	50·7	2·1	11·3	86	4·0	107	53	51	63	83	8	1	6	2	2	*12*	*23*	*215*	*104*	0	*0*	2	23	108	219	13	32	50	31	30	97	43	40	26
		3	39	1015·4	—	46·0	1·4	9·8	89	4·4	83	47	54	77	87	17	0	11	6	23	29	42	*134*	93	*27*	*0*	0	3	52	275	35	30	17	32	45	61	82	37	26
		9	39	1016·0	—	51·2	3·4	10·5	79	5·4	28	53	57	129	85	13	0	14	2	10	14	46	*101*	127	*46*	*5*	0	2	93	250	20	29	30	34	38	69	50	40	
Suffolk	Mildenhall H	15	39	1015·1	—	58·0	6·3	10·1	63	5·6	23	34	74	140	88	6	0	7	0	1	8	25	*82*	139	*84*	*19*	0	4	115	236	10	41	29	39	37	68	45	62	34
		21	39	1015·6	—	50·1	2·8	10·4	82	4·4	72	59	63	69	97	5	0	7	0	3	18	32	*122*	131	*44*	*8*	0	2	58	288	17	35	32	50	48	69	55	34	25
		3	13	1015·8	—	49·2	1·6	11·0	89	4·0	103	56	40	67	86	13	2	10	2	2	8	26	*161*	*129*	*25*	*0*	0	12	106	218	29	51	27	27	22	58	48	64	39
		9	13	1016·3	+1·0	51·6	2·7	11·3	83	5·0	36	57	67	110	86	9	1	8	2	13	9	36	*109*	*116*	*57*	*14*	1	19	135	195	15	39	49	36	32	54	50	62	28
	Felixstowe H	15	13	1015·7	—	55·1	4·1	11·6	76	5·0	42	51	71	120	78	3	1	1	2	3	7	29	*118*	*123*	*67*	*14*	0	21	182	156	6	25	67	41	57	71	34	42	22
		21	13	1016·0	—	51·4	2·2	11·5	85	4·2	60	90	57	53	96	9	2	6	2	1	9	31	*122*	*135*	*53*	*4*	0	12	130	201	22	46	44	34	34	64	43	45	33
		3	141	1015·5	—	46·0	1·5	9·8	89	4·6	73	56	43	73	101	19	2	19	5	15	19	60	185	57	3	0	1	2	77	261	24	43	36	28	17	54	87	55	21
		9	141	1016·0	—	50·5	3·2	10·4	80	5·6	22	55	51	114	110	13	3	12	3	12	20	53	129	90	34	*9*	0	7	134	203	21	4	38	35	21	62	66	50	31
Huntingdon	Wyton.. H	15	141	1015·1	—	57·3	6·8	10·2	65	5·9	20	31	52	159	96	7	2	5	1	3	14	26	99	111	73	31	0	9	168	179	9	31	46	29	36	64	65	56	29
		21	141	1015·7	—	50·2	3·1	10·2	80	4·6	56	66	57	95	85	6	1	6	0	10	21	43	144	115	17	8	0	3	90	259	13	28	51	40	34	48	83	40	28
		3	96	1015·7	—	44·6	1·0	9·6	92	4·3	86	67	36	62	103	11	4	13	3	6	28	49	175	82	5	0	1	3	69	176	116	25	34	18	15	40	70	36	11
		9	96	1016·1	—	50·8	3·2	10·5	80	5·4	25	56	58	119	94	13	1	12	3	9	24	32	140	114	29	1	0	15	124	181	45	30	58	24	28	50	62	53	15
Bedford	Cardington H	15	96	1015·1	—	57·7	6·7	10·4	65	5·7	19	39	65	147	88	7	3	1	2	2	9	18	113	150	64	3	0	11	176	160	18	27	53	41	28	57	65	53	23
		21	96	1015·8	—	49·3	2·5	10·3	84	4·2	69	74	56	69	92	5	1	3	2	4	16	29	156	137	17	0	0	7	91	212	55	24	62	28	25	47	74	37	13
		9	517	1016·0	—	49·6	2·6	10·5	84	5·3	31	63	41	114	97	19	1	16	8	12	17	41	114	80	57	19	0	1	139	208	17	51	44	38	24	77	47	41	26
Hertford	Bovingdon H	15	517	1014·9	—	55·8	5·6	10·5	69	5·6	21	41	71	137	89	6	2	2	2	6	15	18	96	108	88	28	0	3	172	176	14	35	48	40	20	79	48	45	36
		21	517	1015·7	—	48·9	2·3	10·3	84	4·3	81	65	43	72	94	10	2	7	4	6	34	30	146	99	31	6	0	1	103	235	26	35	47	42	22	67	53	43	30
		9	12	1016·6	+0·9	52·3	3·0	11·5	82	5·1	38	63	51	101	99	13	4	9	2	7	17	38	139	113	32	4	0	7	105	240	13	46	36	40	24	71	55	52	28
Essex	Shoeburyness H	15	12	1015·9	—	55·9	4·4	11·8	75	5·2	32	59	54	112	102	6	1	4	1	3	7	37	119	121	59	13	0	15	128	216	6	24	51	72	37	68	45	45	17
		21	12	1016·3	—	50·8	2·1	11·5	86	4·0	90	67	49	52	101	6	2	2	4	7	17	44	144	111	27	7	0	11	99	242	13	41	42	41	26	67	64	49	22
4. MIDLAND COUNTIES																																											
Yorks, W.R.	Huddersfield (Oakes) H	3	769	1015·0	—	45·2	1·2	9·6	90	4·8	56	51	73	50	134	1	5	10	5	14	14	70	106	65	63	13	3	11	82	254	15	27	73	32	15	41	76	50	36
		9	769	1015·3	—	49·6	3·0	10·0	80	5·5	27	50	65	79	144	0	0	16	1	6	14	69	121	57	66	15	1	11	103	213	37	20	65	26	15	26	91	53	32
		15	769	1014·5	—	53·8	5·0	10·1	71	5·4	21	47	85	89	123	0	1	4	1	5	9	34	89	94	76	52	0	12	109	231	13	22	47	39	27	38	81	56	42
		21	769	1015·2	—	47·1	2·0	9·8	85	4·6	76	49	58	48	134	0	1	5	3	7	10	65	117	75	54	28	0	9	75	233	48	18	52	20	20	30	77	60	40
		3	390	1015·3	—	45·3	1·2	9·7	91	4·8	68	53	47	60	116	21	2	15	4	20	37	46	150	76	15	0	0	0	58	240	67	24	24	53	9	20	52	80	36
		9	390	1015·5	—	49·6	2·8	10·1	81	5·5	25	49	56	122	96	17	2	14	12	20	50	70	132	45	20	0	0	0	88	238	39	19	29	58	12	38	53	77	40
Nottingham	Watnall H	15	390	1014·5	—	56·1	6·1	10·1	67	5·8	16	44	58	137	105	5	0	5	6	14	25	36	121	95	50	13	0	0	130	218	17	27	15	59	23	45	52	79	48
		21	390	1015·3	—	49·0	2·5	10·1	83	4·7	69	50	58	73	103	12	2	5	5	28	24	58	158	65	18	2	0	0	54	261	50	19	22	73	17	27	51	68	38
		3	46	1015·1	—	45·6	1·3	9·7	90	4·6	93	41	42	54	116	19	2	17	10	19	35	73	156	41	11	1	1	9	82	211	62	39	10	9	44	85	25	50	41
	Finningley H	9	46	1015·5	—	50·5	3·3	10·2	80	5·6	23	48	55	115	107	17	2	14	6	13	29	60	130	77	29	5	0	21	136	178	30	49	20	25	39	81	35	52	34
		15	46	1014·7	—	57·1	6·4	10·3	66	5·5	18	46	70	130	97	4	0	2	1	12	21	34	109	122	44	20	0	31	186	137	11	36	28	42	58	61	33	69	27
		21	46	1015·3	—	49·5	2·6	10·2	82	4·8	72	44	53	74	110	12	2	9	1	19	40	65	131	78	14	6	0	10	97	232	26	43	25	40	42	69	39	62	19
		9	109	1015·8	—	50·2	3·0	10·4	81	5·5	21	58	51	125	100	10	1	9	7	7	16	31	115	127	42	10	0	15	157	158	35	40	48	14	20	80	69	43	16
	Langar H	15	109	1014·9	—	56·8	6·4	10·4	67	5·8	11	43	65	153	89	4	0	4	2	2	10	24	65	157	61	40	0	21	200	132	12	25	50	25	32	64	72	59	26
		21	109	1015·5	—	49·3	2·6	10·3	83	4·9	55	55	57	99	95	4	1	3	4	5	12	32	132	118	43	15	0	10	135	192	28	27	48	35	27	81	66	33	20
		3	219	1015·5	—	45·3	1·3	9·5	90	4·5	77	58	45	65	108	12	3	12	4	18	25	49	130	97	27	0	0	4	118	208	35	48	33	25	16	51	51	78	28
		9	219	1015·9	—	49·2	3·0	10·4	81	5·6	25	44	50	123	107	16	2	15	4	15	25	26	119	102	52	5	0	9	164	169	23	39	45	34	18	54	58	62	32
Northampton	Wittering H	15	219	1014·9	—	56·5	6·2	10·4	67	5·9	13	39	61	155	91	6	1	5	4	6	18	23	75	150	74	9	0	11	201	147	6	22	60	30	26	59	59	65	38
		21	219	1015·6	—	49·2	2·6	10·3	82	4·8	59	58	49	98	95	6	1	5	2	11	16	36	135	123	36	0	0	4	121	225	15	29	52	39	30	44	63	61	32
		9	542	1015·9	+0·8	49·2	2·9	9·9	81	5·3	37	55	44	108	105	15	4	6	12	12	42	46	125	81	30	7	0	1	105	253	6	35	35	37	43	82	50	49	27
Warwick	Birmingham H	15	542	1014·9	—	55·5	6·0	9·8	66	5·5	27	37	82	115	101	3	0	0	4	10	27	15	120	93	60	36	0	4	141	220	0	31	35	43	33	73	55	65	30
		21	542	1015·5	—	50·6	3·4	9·9	78	4·7	69	59	48	76	104	9	1	4	4	10	23	40	139	112	30	2	0	5	96	261	3	32	30	49	28	74	60	53	36
	Elmdon H	3	362	1015·6	—	45·4	1·2	9·7	90	4·7	63	55	54	83	98	12	4	10	0	18	14	52	130	116	20	1	0	3	75	221	66	29	26	23	35	57	69	33	27
		9	362	1015·9	—	49·6	2·8	10·3	82	5·8	23	41	49	146	90	16	3	14	5	11	23	72	150	77	9	1	0	6	112	217	30	27	43	35	45	57	60	39	29
		15	362	1014·9	—	56·3	6·1	10·2	67	5·8	13	45	60	165	76	6	1	2	3	8	14	49	137	99	48	4	1	6	158	194	6	19	46	43	39	61	66	47	38
		21	362	1015·6	—	49·8	2·9	10·2	81	4·9	46	73	39	103	95	9	2	7	2	16	20	92	158	61	7	0	0	5	80	249	31	22	36	45	30	59	66	41	35
		3	242	1015·1	—	45·3	1·2	9·7	90	5·0	47	62	51	86	106	13	1	11	4	14	20	35	78	91	84	27	0	2	74	214	75	24	17	45	23	54	47	60	20
		9	242	1015·5	—	49·3	2·5	10·4	83	5·9	13	49	41	146	102	14	2	11	3	14	12	38	90	75	61	59	0	2	102	225	36	27	15	67	38	67	34	52	29
Shropshire	Shawbury H	15	242	1014·5	—	55·8	5·4	10·7	70	5·6	10	54	55	175	68	3	0	2	2	8	7	33	68	97	68	80	0	8	155	194	8	45	15	50	43	70	37	63	34
		21	242	1015·2	—	48·9	2·3	10·4	85	5·0	29	75	52	113	85	11	2	7	4	3	15	29	87	97	76	45	0	4	88	238	35	51	18	53	19	56	47	59	27
		3	112	1015·6	—	46·0	1·3	9·9	90	4·6	61	66	55	65	105	13	2	11	2	9	14	38	104	98	70	17	0	3	63	194	105	25	35	29	18	48	71	19	15
		9	112	1015·9	—	50·6	2·9	10·6	82	5·6	19	48	59	142	86	11	1	8	3	11	10	33	85	96	76	42	0	4	97	211	53	27	46	37	23	54	67	35	23
Worcester	Pershore H	15	112	1014·8	—	57·5	6·3	10·7	67	5·6	13	41	84	149	74	4	0	5	0	4	8	14	66	105	95	68	0	5	150	188	22	27	45	38	29	53	67	48	36
		21	112	1015·5	—	50·5	2·8	10·6	82	4·6	48	73	59	95	83	7	3	2	3	5	12	24	70	133	80	33	0	4	79	220	62	27	35	43	24	61	61	31	21
		9	226	1015·6	+0·4	50·4	2·9	10·4	81	5·6	15	67	36	115	118	14	0	15	3	5	20	23	121	62	101	15	0	0	52	298	15	34	58	32	14	57	72	52	31
Hereford	Ross-on-Wye H	15	226	1014·5	—	57·0	6·6	10·5	66	5·5	18	52	67	119	107	2	0	2	1	5	10	15	105	58	146	23	0	0	81	275	9	27	48	45	18	47	83	56	32
		21	226	1015·4	—	50·5	2·9	10·5	80	4·5	36	113	39	70	98	9	2	5	6	3	17	24	137	49	102	20	0	2	36	280	47	21	43	47	14	53	97	34	9
		3	197	1015·6	—	47·1	1·5	10·2	89	4·5	75	56	56	72	95	11	2	11	3	6	16	36	132	109	40	10	0	7	60	239	59	33	56	34	11	52	53	55	12
		9	197	1016·0	—	51·0	2·8	10·8	83	5·4	20	58	65	108	105	9	0	7	3	8	32	47	103	110	46	9	0	4	91	256	14	33	66	46	26	57	54	56	13
Gloucester	Bristol (Filton) H	15	197	1015·0	—	57·1	5·7	11·0	69	5·4	14	54	84	124	86	3	1	2	0	3	11	32	78	133	69	36	0	13	134	215	3	41	32	40	32	54	47	89	27
		21	197	1015·7	—	50·9	2·8	10·9	82	4·3	64	80	58	70	88	5	3	5	0	6	22	38	148	107	28	8	0	8	66	258	33	28	53	36	20	61	40	81	13
		3	751	1015·7	—	45·5	1·2	9·7	91	4·6	89	52	32	55	101	36	2	26	10	13	26	31	107	86	47	17	1	10	72	259	23	39	47	42	12	39	57	74	32
	Little Rissington H	9	751	1016·0	—	48·7	2·3	10·2	85	5·5	24	59	56	110	84	32	4	23	7	11	9	30	97	91	69	24	0	14	120	219	12	35	48	43	24	53	62	60	28
		15	751	1014·9	—	54·7	5·1	10·5	72	5·5	19	38	81	138	76	13	2	6	3	3	11	20	66	110	96	47	0	17	159	176	13	30	42	38	32	45	50	80	35
		21	751	1015·7	—	48·9	2·4	10·3	84	4·4	70	67	54	80	78	16	2	9	5	3	12	22	105	121	60	26	1	14	89	237	24	25	53	48	10	34	68	65	38
5. ENGLAND, S.E.																																											
Middlesex	London Airport H	3	86	1015·8	—	47·1	1·6	10·1	88	4·4	85	57	40	71	100	12	5	9	5	7	18	41	96	150	34	0	0	4	55	235	71	38	48	26	10	49	44	58	21
		9	86	1016·3	—	51·7	3·6	10·5	78	5·3	32	52	63	115	87	16	3	8	7	9	21	57	100	81	56	23	0	3	108	220	34	33	48	44	19	56	51	64	16
		15	86	1015·2	—	58·6	7·1	10·5	63	5·5	18	44	75	143	79	6	3	2	2	4	8	22	101	89	92	42	0	10	157	183	15	27	41	45	26	65	52	63	31
		21	86	1015·9	—	52·0	3·5	10·6	78	4·3	71	64	57	80	86	7	4	5	3	12	16	27	142	109	42	5	0	3	83	250	29	22	49	50	20	60	54	54	27
Surrey	Kew Obs'y H	9	34	1016·3	+0·6	52·2	4·0	10·2	75	5·3	30	46	76	107	89	17	5	8	6	10	39	36	107	78	40	36	0	2	88	256	19	37	52	43	17	69	66	42	20
		15	34	1015·2	—	58·0	7·1	9·9	62	5·7	15	40	73	157	74	6	2	1	4	9	16	29	100	73	74	57	0	3	139	220	3	44	45	44	20	67	65	54	23
		21	34	1015·9	—	52·3	3·9	10·4	77	4·3	69	66	59	97	67	7	7	5	1	9	23	20	122	109	58	11	0	3	71	271	20	27	51	53	18	71	64	41	20
	Gatwick H	3	195	1015·9	—	44·6	0·9	9·7	93	4·4	89	58	34	72	93	19	1	12	5	9	5	20	7	15	17	56	155	75	15	0	0	5	47	177	136	25	35	23	7	37	61	29	12
		9	195	1016·3	—	51·0	3·0	10·9	82	5·2	31	62	51	120	88	13	1	12	5	9	25	37	119	85	56	16	0	4	99	199	63	30	49	50	9	43	54	49	18
		15	195	1015·3	—	58·1	6·3	11·0	67	5·5	18	51	61	157	76	2	0	0	1	2	8	25	87	117	96	29	0	8	156	183	18	20	41	61	17	58	83	38	29
		21	195	1016·0	—	49·4	2·2

TABLE IV (*continued*)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	No. of Observations: 0	1 2	3 to 5	6 7	8	9	VISIBILITY: Number of Observations: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 10	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%																																		
5. ENGLAND, S.E.—*contd.*																																										
Kent	West Malling H	3	309	1015·9	—	46·3	1·1	10·2	92	4·4	83	62	42	56	107	15	2	10	5	22	27	49	114	122	14	0	0	9	78	200	78	66	19	9	10	67	59	37	20
		9	309	1016·4	—	50·9	2·8	10·9	83	5·0	37	60	66	97	87	18	1	16	5	16	19	26	101	124	56	1	1	4	143	178	39	68	38	13	16	79	62	26	24
		15	309	1015·4	—	56·7	5·6	11·0	70	5·3	21	56	73	127	85	3	0	2	1	3	12	32	67	140	88	20	1	17	185	144	18	50	55	21	19	78	67	34	23
		21	309	1016·1	—	49·1	1·9	10·7	87	4·3	63	78	65	58	92	9	1	8	2	11	24	40	119	133	27	0	0	9	101	224	31	56	45	14	14	80	70	35	20
Sussex	Thorney Is. H	3	35	1016·0	—	48·2	1·4	10·7	90	4·3	77	55	66	66	92	9	1	5	2	10	18	26	63	199	41	0	0	4	96	271	44	49	52	49	5	26	44	54	42
		9	35	1016·5	—	52·7	3·2	11·3	81	5·1	33	74	44	120	89	5	0	5	3	3	20	21	76	138	74	25	1	5	64	261	34	43	58	53	15	46	36	55	25
		15	35	1015·7	—	57·8	5·3	11·6	70	5·3	18	47	77	157	65	1	0	0	2	3	10	16	78	122	93	41	0	4	98	256	7	27	31	42	30	98	65	36	29
		21	35	1016·2	—	51·2	2·3	11·3	85	4·2	62	83	64	66	84	6	0	4	0	6	16	36	78	166	54	5	0	6	55	236	68	30	39	50	10	29	53	56	30
	Eastbourne (Coastguard) H	9	20	1016·6	—	52·9	3·3	11·3	80	5·3	29	26	109	114	75	12	5	4	1	2	2	9	250	92	0	0	0	35	59	201	70	52	19	53	11	35	34	70	21
		15	20	1016·0	—	56·7	4·8	11·7	73	5·3	37	10	114	122	74	8	2	2	1	4	0	2	247	107	0	0	2	45	90	185	43	26	14	73	16	47	38	94	14
		21	20	1016·3	—	52·1	2·8	11·3	82	4·3	81	21	108	79	73	3	3	0	0	3	5	3	211	140	0	0	0	42	64	155	104	31	27	46	5	21	27	89	15
Berkshire	Abingdon H	3	234	1015·8	—	46·0	1·3	10·0	90	4·7	83	48	42	56	118	18	2	16	5	12	21	35	*119*	*126*	*29*	*0*	0	1	50	194	120	33	33	33	15	37	34	40	20
		9	234	1016·2	—	50·6	2·8	10·7	82	5·7	23	41	63	113	107	18	1	12	6	13	13	43	*78*	*89*	*97*	*13*	0	3	86	230	46	26	49	36	43	42	49	47	27
		15	234	1015·1	—	58·3	6·3	11·1	67	5·7	16	35	70	157	85	2	0	2	0	4	14	17	*66*	*108*	*141*	*13*	0	6	113	225	21	23	51	36	33	61	59	54	27
		21	234	1015·8	—	50·6	2·7	10·7	83	4·3	74	68	57	56	104	6	1	5	*1*	7	19	28	*111*	*137*	*54*	*2*	0	1	62	219	83	22	53	30	26	39	44	44	24
Hampshire	S. Farnborough H	3	231	1016·1	—	46·1	1·4	10·1	89	4·4	103	45	39	52	108	18	6	7	10	9	26	42	102	101	*51*	*11*	0	2	27	233	103	13	26	31	16	43	42	69	22
		9	231	1016·5	+0·8	51·0	2·8	11·0	82	5·4	26	56	57	113	99	14	3	11	3	13	26	30	90	41	*60*	*88*	0	1	43	281	40	24	30	58	25	57	41	69	21
		15	231	1015·3	—	58·2	6·3	11·2	67	5·4	22	42	78	143	77	3	1	1	2	5	11	20	73	63	*86*	*103*	0	1	64	291	9	31	31	60	31	47	54	65	37
		21	231	1016·2	—	50·9	2·9	10·8	81	4·2	82	68	49	70	90	6	2	4	5	6	16	38	116	97	*51*	*30*	0	2	32	276	55	13	33	57	20	40	62	62	23
	Blackbushe H	3	344	1015·9	—	46·2	1·2	10·1	91	4·6	80	60	33	57	112	23	5	10	9	17	20	38	114	97	49	6	0	4	59	247	55	29	33	28	25	60	63	43	29
		9	344	1016·3	—	50·7	3·1	10·6	81	5·4	21	63	52	121	91	17	1	12	9	11	20	24	83	100	70	35	0	2	121	221	21	34	61	32	30	58	58	44	27
		15	344	1015·2	—	57·7	6·7	10·5	65	5·4	13	51	77	157	60	7	1	4	0	6	11	14	51	98	106	74	0	8	167	184	6	39	45	43	26	71	56	52	27
		21	344	1015·9	—	50·5	2·9	10·6	81	4·1	69	84	47	81	77	7	3	2	3	5	16	35	118	100	56	27	0	4	84	249	28	23	42	45	26	75	60	53	13
Wiltshire	Lyneham H	3	458	1015·7	—	46·0	1·3	9·9	90	4·7	89	34	40	73	104	25	0	15	7	16	16	23	114	118	48	*8*	0	10	69	245	41	31	51	35	16	63	74	41	13
		9	458	1016·1	—	49·7	2·4	10·6	84	5·8	20	43	53	134	99	16	1	11	6	16	16	22	85	95	73	*40*	1	5	113	226	20	29	62	36	25	68	67	41	17
		15	458	1015·0	—	56·1	5·7	10·5	69	5·7	16	33	73	157	83	3	0	2	0	4	8	15	69	101	88	*78*	0	15	165	174	11	34	46	43	28	55	58	63	27
		21	458	1015·7	—	49·9	2·7	10·4	83	4·4	69	63	57	75	94	7	0	4	4	7	20	19	88	134	71	*18*	1	5	86	258	15	19	43	50	21	66	66	63	22
	Upavon H	9	582	1016·0	—	49·9	2·5	10·7	85	5·5	26	47	60	123	85	24	1	22	5	10	18	19	116	84	63	27	0	9	108	227	21	45	46	57	24	62	46	36	28
		15	582	1015·0	—	56·0	5·2	10·9	71	5·6	16	40	71	160	75	3	0	3	2	5	10	15	98	103	89	40	1	15	150	189	10	39	39	43	24	70	39	69	32
		21	582	1015·8	—	49·0	2·2	10·4	85	4·1	77	75	52	56	93	12	0	10	5	5	12	22	118	130	52	11	0	10	79	230	46	37	40	57	21	38	50	45	31
	Boscombe Down H	3	419	1016·1	—	45·9	1·0	10·2	90	4·3	83	65	43	58	105	11	0	14	3	*15*	17	40	162	*98*	*16*	*0*	0	5	79	210	71	21	32	54	16	54	38	42	37
		9	419	1016·4	—	50·5	2·3	11·1	85	5·5	18	66	51	112	106	12	0	15	6	*8*	16	33	102	*104*	*68*	*13*	0	9	121	223	12	32	34	66	31	57	43	50	40
		15	419	1015·4	—	57·1	5·6	11·3	71	5·5	16	46	76	151	73	3	0	2	1	2	8	26	64	*141*	*83*	*38*	0	11	161	183	10	28	42	39	38	62	47	58	41
		21	419	1016·2	—	49·7	2·3	10·7	85	4·4	77	66	50	80	86	6	0	5	4	7	7	29	144	*132*	*32*	*5*	0	7	82	232	44	16	39	50	20	64	43	56	32
7a. ENGLAND, N.W.																																										
Cumberland	Silloth.. H	3	27	1014·1	—	46·2	1·3	9·9	89	5·2	46	45	60	95	115	4	0	*3*	1	7	18	41	*59*	102	111	23	0	11	104	207	43	13	68	47	10	67	56	41	20
		9	27	1014·6	—	49·0	2·2	10·4	85	5·7	11	42	76	156	81	3	1	2	1	*5*	19	35	*82*	122	74	24	1	9	124	196	35	16	77	46	9	48	76	34	24
		15	27	1014·0	—	53·7	4·0	10·9	75	5·7	8	44	75	155	82	1	0	*1*	0	*1*	12	28	*78*	114	78	53	0	16	139	189	21	18	42	40	12	46	100	55	31
		21	27	1014·2	—	48·8	2·0	10·5	86	4·9	34	68	72	95	94	2	1	*1*	1	*4*	25	51	*60*	102	93	27	0	14	107	211	33	10	61	51	10	73	64	39	24
Lancashire	Squires Gate H	3	35	1014·2	—	46·9	1·7	9·9	88	5·2	44	48	55	110	99	9	0	*9*	6	9	21	49	100	100	*63*	8	1	14	108	212	30	19	16	86	69	30	34	44	37
		9	35	1014·7	—	50·9	2·9	10·6	81	5·9	15	36	60	147	101	6	2	*6*	3	16	21	78	92	85	*47*	15	0	12	136	198	19	16	16	67	92	34	28	53	40
		15	35	1014·1	—	55·2	4·6	11·0	73	5·5	10	57	63	157	75	3	1	*1*	1	10	20	47	82	83	*73*	47	1	12	148	194	10	16	10	42	52	43	36	89	67
		21	35	1014·4	—	49·7	2·4	10·4	83	5·3	36	48	67	113	97	4	1	*5*	3	5	21	63	117	83	*53*	14	0	14	117	202	32	21	22	73	42	44	40	53	38
	Speke .. H	3	85	1014·6	—	48·1	1·9	10·2	86	5·4	43	44	46	99	120	13	3	*10*	0	8	26	*43*	*109*	*98*	*54*	14	0	10	107	214	34	26	28	41	46	85	35	27	43
		9	85	1015·0	—	50·6	3·1	10·3	80	5·9	16	31	61	144	102	11	5	7	4	13	37	*43*	*117*	*88*	*34*	17	0	12	141	191	21	22	23	31	59	97	27	38	47
		15	85	1014·4	—	56·1	5·7	10·5	68	5·6	14	45	67	155	79	5	3	*1*	3	4	25	*32*	*123*	*94*	*48*	32	0	21	173	161	10	27	16	26	43	86	29	43	85
		21	85	1014·8	—	51·2	3·1	10·5	80	4·8	55	58	55	100	89	8	4	*2*	1	6	48	*54*	*117*	*84*	*44*	5	0	14	112	222	17	43	33	47	39	61	44	28	53
Cheshire	Manchester Airport H	3	251	1014·8	—	46·8	1·9	9·8	86	5·0	55	49	57	80	116	8	4	8	*2*	*9*	21	47	*177*	*94*	7	*0*	0	6	99	219	41	14	26	51	33	120	34	24	22
		9	251	1015·0	—	50·4	3·3	10·1	79	5·8	16	32	65	145	100	7	1	7	*5*	*8*	14	59	*162*	*79*	25	*5*	0	15	118	201	31	8	23	50	38	113	30	36	36
		15	251	1014·2	—	56·3	6·2	10·2	66	5·7	9	40	76	150	85	5	1	3	*1*	*2*	12	38	*135*	*90*	70	*13*	0	17	156	183	9	10	29	37	37	89	42	60	52
		21	251	1014·8	—	50·1	3·0	10·2	80	5·0	41	60	59	97	100	8	0	7	*1*	*11*	14	54	*185*	*80*	10	*3*	1	8	103	234	19	14	26	48	44	95	38	28	53
7b. NORTH WALES																																										
Anglesey	Holyhead (Valley) H	3	29	1013·9	—	49·0	1·7	10·8	79	4·9	74	36	47	92	113	3	0	1	1	2	6	30	89	108	100	28	3	40	113	160	49	22	31	53	23	65	54	28	40
		9	29	1014·3	+0·4	52·4	2·7	11·4	82	5·7	18	37	63	165	80	2	0	1	0	2	6	24	73	89	99	71	1	39	140	163	22	34	24	42	21	88	57	34	43
		15	29	1013·9	—	55·7	4·3	11·5	74	5·4	19	49	75	134	86	2	0	0	1	1	2	17	65	90	99	90	4	47	154	146	14	37	26	28	14	67	89	46	44
		21	29	1014·2	—	50·7	2·1	11·2	86	4·9	41	62	71	88	99	4	0	1	1	4	2	40	72	100	87	58	5	46	107	175	32	31	32	62	14	64	70	32	28
8a. SOUTH WALES																																										
Cardigan	Aberporth H	3	379	1014·6	—	48·7	2·0	10·4	86	4·8	48	76	47	74	114	6	0	5	2	2	8	10	88	135	88	27	2	20	127	176	40	27	7	27	39	117	45	35	28
		9	379	1014·9	—	51·4	2·8	10·9	81	5·6	17	53	49	151	91	4	0	1	1	3	7	7	69	113	94	70	2	25	145	185	8	41	16	32	46	103	29	62	28
		15	379	1014·3	—	54·6	4·1	11·2	75	5·2	16	71	59	144	73	2	0	2	0	2	3	5	57	106	85	105	4	31	166	161	3	59	22	26	40	75	35	63	42
		21	379	1014·9	—	50·2	2·1	10·8	84	4·7	36	77	65	90	96	1	0	1	1	0	1	12	94	127	73	56	1	23	121	172	48	24	6	29	31	92	57	49	29
Glamorgan	Mumbles Head H	9	123	1015·4	—	51·9	2·5	11·4	83	5·7	15	39	78	96	133	4	2	0	0	7	10	38	162	131	15	0	7	44	121	154	29	32	30	80	26	50	34	59	25
		15	123	1014·8	—	55·1	3·9	11·6	76	5·7	14	38	76	113	120	4	1	2	1	1	6	28	149	131	43	3	10	51	151	132	21	18	8	57	37	38	89	76	21
		21	123	1015·2	—	52·2	2·6	11·4	83	4·9	43	65	69	52	130	6	2	2	0	6	6	25	112	164	40	8	5	50	140	142	28	42	32	43	15	32	46	89	38
	Rhoose H	3	225	1015·5	—	47·8	1·4	10·4	90	4·5	65	71	51	58	107	13	0	7	5	6	15	30	87	103	101	11	3	6	107	225	24	29	75	57	20	24	30	67	39
		9	225	1016·0	—	51·0	2·5	11·0	84	5·7	12	52	61	132	98	10	1	6	2	4	11	41	103	89	74	34	0	18	147	189	11	16	55	78	34	35	37	69	30
		15	225	1015·1	—	56·0	4·8	11·2	73	5·5	13	53	71	144	80	4	0	2	3	1	4	25	77	93	81	79	2	31	176	149	7	11	42	63	43	31	27	128	13
		21	225	1015·8	—	50·3	2·2	10·9	85	4·4	53	82	66	68	88	8	1	3	3	6	11	30	85	89	100	37	1	19	104	225	16	27	57	34	26	34	33	98	40
8b. ENGLAND, S.W.																																										
Devon	Hartland Pt. H	3	305	1014·5	—	50·9	2·1	11·1	85	4·4	37	83	80	90	69	6	0	7	0	0	2	6	37	203	84	*26*	8	43	121	185	8	22	38	66	25	46	62	66	32
		9	305	1014·8	—	52·4	2·6	11·5	83	5·5	7	45	83	168	54	8	1	6	2	2	2	12	61	171	88	*20*	5	38	125	192	5	27	54	60	20	40	46	79	34
		15	305	1014·4	—	54·8	3·6	11·7	78	5·2	8	59	90	144	55	9	0	5	0	4	3	7	82	149	77	*38*	8	48	121	180	8	34	55	36	15	31	55	98	33
		21	305	1014·8	—	52·3	2·6	11·4	82	4·5	19	84	101	98	57	6	0	6	0	1	0	7	45	170	103	*33*	11	48	109	185	12	31	42	43	27	27	55	93	35
	Plymouth (Mount Batten) H	3	100	1015·6	—	49·9	1·6	11·1	88	4·5	72	66	47	60	116	4	1	2	2	0	8	60	149	117	25	*1*	3	29	100	185	48	38	55	63	9	34	33	52	33
		9	100	1015·9	+0·1	53·2	2·9	11·5	82	5·3	20	60	69	123	91	2	1	2	0	6	15	31	116	111	64	*19*	5	30	138	173	19	31	38	74	18	47	42	56	40
		15	100	1015·3	—	57·0	4·6	11·7	73	5·3	12	68	69	132	84	0	0	0	3	6	6	24	89	118	74	*51*	2	44	209	106	4	25	10	64	32	82	63	38	47
		21	100	1016·0	—	52·1	2·4	11·5	84	4·2	61	85	54	73	89	3	0	4	1	2	8	54	144	102	37	*13*	2	29	92	208	34	44	49	54	8	40	40	55	41
	Chivenor H	3	23	1015·3	—	49·2	1·3	11·1	90	4·8	50	58	75	78	102	2	0	1	0	3	4	14	118	95	118	12	1	15	93	205	51	16	5	130	42	42	17	31	31
		9	23	1015·7	—	53·2	2·6	11·9	84	5·7	19	28	79	151	86	2	0	1	1	2	8	16	104	73	108	52	1	23	106	209	26	24	6	103	59	34	22	53	38
		15	23	1015·0	—	58·3	4·8	12·3	73	5·4	12	52	82	137	82	0	0	0	0	0	2	14	84	83	112	70	3	22	192	141	7	24	17	46	51	45	31	93	51
		21	23	1015·6	—	51·9	2·0	11·7	86	4·7	18	78	81	104	83	1	0	0	1	1	2	17	100	92	118	34	3	17	88	210	47	26	14	68	45	41	28	56	40
	Exeter .. H	3	125	1015·7	—	47·2	1·1	10·5	91	4·6	61	71	48	65	111	9	0	11	5	6	24	32	88	96	94	9	0	13	70	161	121	25	48	10	18	57	27	23	36
		9	125	1016·1	—	51·6	2·5	11·3	84	5·6	14	57	55	142	93	4	0	4	0	3	17	26	104	84	66	61	0	13	136	150	66	30	44	25	31	57	26	37	49
		15	125	1015·2	—	57·4	5·0	11·7	72	5·4	9	59	74	146	77	0	0	1	0	1	4	19	78	76	81	105	0	28	194	130	13	26	25	25	58	75	37	39	67
		21	125	1016·0	—	50·7	2·1	11·2	86	4·3	55	89	53	75	89	4	0	2	2	5	7	25	97	92	92	43	0	7	89	183	86	21	35	25	31	51	24	38	54
Cornwall	St. Mary's, Scilly H	3	199	1015·3	—	52·7	2·2	11·9	86	4·8	49	54	82	62	107	11	2	2	2	5	1	10	90	*98*	*87*	68	7	36	150	139	33	33	33	45	32	43	41	62	43
		9	199	1015·6	+0·1	54·3	2·8	12·1	82	5·4	14	45	102	108	89	7	1	2	1	4	5	13	101	*92*	*86*	60	4	40	155	147	19	37	29	52	41	46	35	59	47
		15	199	1015·3	—	56·6	4·0	12·1	76	5·0	21	48	115	99	74	8	1	3	1	2	2	16	102	*81*	*84*	73	4	45	176	131	9	42	25	47	40	38	46	66	52
		21	199	1015·6	—	52·9	2·1	11·9	85	4·7	27	66	106	66	91	9	3	3	1	3	2	9	105	*100*	*78*	61	5	37	146	156	21	38	40	40	34	38	44	61	49

TABLE IV (*continued*)—SUMMARY OF THE OBSERVATIONS OF PRESSURE, TEMPERATURE, HUMIDITY, CLOUD, VISIBILITY AND WIND AT FIXED HOURS AT CERTAIN STATIONS DURING THE YEAR 1959

DISTRICT, COUNTY AND PLACE	Hour of Observation	Height of Barometer above Mean Sea Level	MEAN PRESSURE: At Mean Sea Level	MEAN PRESSURE: Difference from Average	MEAN TEMPERATURE AND HUMIDITY: Dry Bulb	Depression of Wet Bulb	Vapour Pressure	Relative Humidity	CLOUD AMOUNT (OKTAS): Mean Amount	NO. OF OBSERVATIONS: 0	1	2	3 to 5	6	7	8	9
	G.M.T.	ft.	mb.	mb.	°F.	°F.	mb.	%									
8b. ENGLAND, S.W.—*contd.*																	
Cornwall St. Mawgan H	3	350	1015·6	—	49·7	1·4	11·3	90	4·5	68	57	65	66	97	12		
	9	350	1015·8	—	52·9	2·6	11·7	83	5·5	22	46	80	126	84	7		
	15	350	1015·3	—	56·0	4·0	11·9	76	5·4	8	66	79	127	82	3		
	21	350	1016·0	—	51·1	1·8	11·6	87	4·6	48	67	75	78	91	6		
NORTHERN IRELAND																	
Londonderry Ballykelly H	3	13	1012·2	—	46·9	1·7	9·9	87	5·1	43	42	73	129	78	0		
	9	13	1012·6	—	49·9	2·6	10·5	82	5·7	12	42	65	182	63	1		
	15	13	1012·2	—	54·3	4·4	10·9	74	5·7	4	46	75	172	67	1		
	21	13	1012·3	—	49·7	2·4	10·5	83	5·2	25	59	65	143	73	0		
Antrim Aldergrove H	3	220	1013·1	—	46·0	1·2	10·1	91	5·3	40	58	45	89	128	5		
	9	220	1013·5	+0·4	48·9	2·1	10·6	86	6·1	9	36	57	154	104	5		
	15	220	1012·9	—	54·1	4·3	10·9	74	6·0	3	36	61	184	79	2		
	21	220	1013·2	—	48·8	2·0	10·5	86	5·3	22	65	66	102	108	2		
Nutts Corner H	3	356	1013·2	—	45·9	1·1	10·0	91	5·4	38	53	47	81	141	5		
	9	356	1013·5	—	48·6	2·0	10·5	87	6·1	4	37	53	162	107	2		
	15	356	1012·9	—	53·8	4·2	10·7	75	6·1	5	30	61	176	90	3		
	21	356	1013·3	—	48·5	2·0	10·4	86	5·4	22	58	59	120	104	2		

DISTRICT, COUNTY AND PLACE	VISIBILITY: NUMBER OF OBSERVATIONS: 0–44 yd.	45–210 yd.	220–430 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	WIND, NUMBER OF OBSERVATIONS: FORCE (0–12) Beaufort Force: 8 or more	6, 7	4, 5	1 to 3	Calm	Speed in knots: 34 or more	22 to 33	11 to 21	1 to 3	0	DIRECTION: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
8b. ENGLAND, S.W.—*contd.*																											
Cornwall St. Mawgan H	0	*1*	9	8	9	22	105	117	87	7	3	25	125	189	23	22	23	69	44	66	33	38	47
	0	*2*	4	7	8	18	87	110	94	35	5	27	174	151	8	37	19	63	51	70	21	46	50
	0	*0*	0	1	4	15	86	108	82	69	2	45	220	92	6	54	10	23	57	47	33	78	57
	0	*1*	4	5	8	24	109	110	76	28	2	26	130	190	17	34	32	54	33	58	33	60	44
NORTHERN IRELAND																											
Londonderry Ballykelly H	0	0	0	0	0	6	75	137	133	14	1	13	88	188	75	14	2	29	57	64	49	63	12
	0	2	0	0	6	10	49	99	141	58	1	15	111	186	52	28	4	23	60	63	45	69	21
	0	1	0	1	2	7	52	81	113	108	0	19	148	185	13	47	17	21	52	63	62	58	32
	0	0	0	0	1	11	70	126	108	49	0	15	89	204	57	24	9	20	65	67	47	58	18
Antrim Aldergrove H	0	6	1	2	7	14	107	150	72	6	0	13	110	193	49	21	12	42	46	89	49	40	17
	0	2	5	3	6	14	93	116	88	38	1	16	109	197	42	26	10	41	51	79	52	39	25
	0	2	1	0	2	13	80	84	93	90	1	15	159	178	12	29	10	42	48	62	71	48	43
	0	1	1	2	2	19	95	112	94	39	2	16	98	224	25	41	15	46	63	73	43	37	22
Nutts Corner H	0	2	4	1	3	23	106	*108*	*92*	26	0	8	102	192	63	13	14	31	48	88	46	49	13
	0	1	2	3	10	15	86	*83*	*91*	74	1	11	133	191	29	20	13	33	55	88	51	53	23
	0	3	0	0	2	15	58	*73*	*92*	122	0	17	164	175	9	24	9	38	52	71	59	63	40
	0	2	1	2	3	21	97	*85*	*89*	65	1	10	104	220	30	25	14	33	74	78	47	38	26

TABLE V [First Published 1913].—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1959 AT EACH STATION

*DISTRICT AND PLACE	WARMEST: DAY: Highest Maximum and Date	°F.	WARMEST: NIGHT: Highest Minimum and Date	°F.	COLDEST: DAY: Lowest Maximum and Date	°F.	COLDEST: NIGHT: Lowest Minimum and Date	°F.
0. SCOTLAND, N.								
Lerwick Obs'y. ..	June 26	66	July 26, Aug. 15, 18, 21, 22	55	Jan. 22	25	Jan. 22	16
Baltasound ..	Aug. 19, 21, Sept. 5, 6	66	Aug. 21	56	Feb. 21	32	Jan. 23	18
Sule Skerry ..	Aug. 11	69	Aug. 18	57	Jan. 22	31	Jan. 22	27
Grimsetter ..	Aug. 18	71	Aug. 18, 21	56	Jan. 5, 22	31	Jan. 22	18
Wick	June 14	73	Aug 18	59	Jan. 22	29	Jan. 22	17
Cape Wrath ..	Aug. 20	76	Aug. 20	63	Jan. 5, 22	33	Jan. 22	27
Lairg (Achany) ..	—	—	—	—	Jan. 26, Feb. 4	28	Jan. 15	9
Strathy	Aug. 20	77	July 26	58	Jan. 14	31	Feb. 1, 3	19
Stornoway ..	Aug. 20	70	Aug. 25	59	Jan. 10, 22	31	Jan. 5	16
Achnashellach ..	June 21, July 25, Aug. 20	76	June 26	62	Jan. 6	27	Jan. 6, 15, 16	15
Kinlochewe ..	Aug. 20, 21	78	Aug. 18	62	Jan. 14	28	Jan. 23	11
Fortrose	June 21	73	Aug. 25	61	Jan. 5, 10	32	Jan. 15	24
Benbecula ..	May 10	72	Aug. 20	60	Jan. 5	32	Jan. 22	21
Isle of Rhum ..	July 25, 26, Aug. 10	74	Aug. 20	64	Jan. 5, 6, 10, 15	35	Jan. 6, 15	22
Duntulm	May 10	73	Aug. 20	63	Jan. 13, 21, 22	36	Jan. 6, 23	25
Onich	May 10, 24	75	July 26	61	Jan. 15	30	Jan. 6	17
Fort William ..	May 10	78	Aug. 25	60	Jan. 6	27	Jan. 6	15
Fort Augustus ..	July 25	78	Aug. 25	61	Jan. 10, 15	29	Jan. 7, Feb. 2	12
Cannich	May 23, Aug. 20	77	July 27, Aug. 22, 23	56	—	—	Feb. 5	2
Dalwhinnie ..	—	—	Aug. 25	59	Jan. 6, 15	18	Jan. 6, 15	4
Inverness ..	June 21, Aug. 10	77	July 8	63	Feb. 1	29	Feb. 4, 5	19
Glenmore Lodge	May 23, Aug. 21	78	July 5	63	Jan. 6	23	Jan. 6	6
1. SCOTLAND, E.								
Nairn	June 21	78	July 5	63	Feb. 7	30	Feb. 4	15
Grantown-on-Sp.	Aug. 21	82	Aug. 25	61	Jan. 31	28	Feb. 4	1
Forres	Aug. 20	80	July 5	64	Jan. 6, 14, 22	32	Feb. 2	17
Kinloss	Aug. 20	79	July 5	64	Jan. 6, 10, 15	31	Feb. 4, 5	15
Findhorn ..	Aug. 20	79	Aug. 25	62	Jan. 6, 10	31	Feb. 2, 5	20
Elgin	July 25	80	July 5, Aug. 25	63	Jan. 22	32	Feb. 4	17
Gordon Castle ..	Aug. 21	81	Aug. 25	61	Jan. 5	32	Feb. 2, 4	18
Glenlivet	Aug. 21	78	Aug. 25	61	Jan. 6, 10	26	Jan. 6	7
Braemar	Aug. 11, 21	77	Aug. 25	60	Jan. 14	23	Jan. 15	0
Balmoral	Aug. 21	77	Aug. 25	61	Jan. 14	26	Jan. 15	6
Logie Coldstone ..	July 4	79	Aug. 17	61	Jan. 5	30	Feb. 4	8
Fyvie Castle ..	July 4	82	Aug. 25	65	Feb. 1, 2, 3	31	Feb. 3	8
Craibstone ..	June 14, Aug. 25	79	Aug. 25	65	Jan. 10	30	Feb. 2	18
Dyce	June 14	82	Aug. 25	66	Jan. 10	29	Jan. 26, Feb. 2	12
Aberdeen ..	Aug. 25	81	Aug. 25	63	Jan. 10	30	Feb. 2, 3, 4	18
Rattray Head ..	Aug. 25	78	Aug. 25	61	Jan. 6, 10, 22	34	Jan. 23	10
Fettercairn ..	June 14	81	Aug. 25	62	Jan. 10	28	Jan. 6	21
Stonehaven ..	Aug. 25	81	Aug. 25	63	Jan. 5, 6, 10, 15	34	Feb. 2	19
Muchalls ..	Aug. 25	81	Aug. 25	62	Jan. 6, 10, 15, 22	32	Jan. 6, 11, 23	23
Dundee (Mylnefield)	June 14	82	Aug. 25	63	Jan. 6	31	Feb. 2, 3	16
Dundee	June 14	83	Aug. 25	63	Jan. 6	28	Jan. 6, 15, Feb. 2, 3, 4	21
Glamis Castle ..	June 14	80	Aug. 25	62	Jan. 6	28	Feb. 3	12

DISTRICT AND PLACE	WARMEST: DAY: Highest Maximum and Date	°F.	WARMEST: NIGHT: Highest Minimum and Date	°F.	COLDEST: DAY: Lowest Maximum and Date	°F.	COLDEST: NIGHT: Lowest Minimum and Date	°F.
1. SCOTLAND, E.—*contd.*								
Buddon Ness ..	June 14	80	Aug. 25	64	Jan. 6	31	Feb. 3	11
Carnoustie ..	June 14	82	Aug. 25	64	Jan. 6, 10	32	Feb. 3, 4	20
Arbroath ..	June 14	81	July 7	62	Jan. 10	32	Feb. 2	20
Montrose ..	—	—	Aug. 25	63	Jan. 10	30	Feb. 3	20
Strathyre	July 25, Aug. 22, 23	76	July 7	57	Jan. 6	25	Jan. 6, 23, Feb. 3	11
Loch Tay ..	May 24, July 25	77	Aug. 25	61	Jan. 14	26	Jan. 6, 15	18
Pitlochry	—	—	July 3	60	Jan. 6	27	Jan. 6, Feb. 2	11
,, (Faskally)	June 21, Aug. 21	77	Aug. 25	62	Jan. 6	27	Jan. 6	11
Perth	June 14	80	Aug. 24, 25	61	Jan. 6	26	Jan. 6	10
Glenshee Lodge ..	Aug. 11, 21	76	Aug. 25	60	Jan. 10	26	Jan. 6	7
Kirkcaldy ..	June 14	79	Aug. 25	63	Jan. 10	31	Feb. 3	16
Cupar	June 14	81	Aug. 25	63	Feb. 8	34	—	—
Lundin Links ..	June 14	81	Aug. 20	61	Jan. 6	32	Feb. 2	21
Leuchars	June 14	81	Aug. 25	64	Jan. 6	28	Feb. 3	19
Balerno	Aug. 20	79	July 18	57	Jan. 6	28	Jan. 7	11
Midcalder ..	Aug. 20	79	Aug. 25	62	Jan. 6	28	Jan. 15	15
Turnhouse ..	June 14, July 25, Aug. 19	79	Aug. 25	64	Jan. 6	27	Feb. 2	14
Edinburgh—								
East Craigs ..	Aug. 20	81	Aug. 25	63	Jan. 6	29	Feb. 2	16
Davidson's M.	June 14, July 4, Aug. 19, 22	77	Aug. 25	64	Jan. 6, 15	30	Feb. 3	18
Penicuik	Aug. 20	81	Aug. 25	63	Jan. 5	27	Jan. 6, 16	13
Bush House ..	Aug. 20	80	Aug. 25	64	Jan. 10	28	Jan. 6	14
Edinburgh—								
Blackford Hill	Aug. 20	81	Aug. 25	64	Jan. 10	30	Jan. 6	21
Liberton ..	Aug. 20	83	Aug. 25	65	Jan. 10	28	Jan. 6, Feb. 2	18
Bot. Garden ..	June 14	79	Aug. 25	64	Jan. 6, 7	31	Jan. 15	12
Haddington ..	Aug. 20, 21	83	Aug. 20	62	Jan. 6	31	Jan. 15, Feb. 3	17
North Berwick ..	Aug. 19	80	Aug. 25	64	Jan. 14	32	Feb. 2	20
Dunbar	June 14, Aug. 19	79	Aug. 25	67	Jan. 10, 15	33	Feb. 2	20
Marchmont ..	Aug. 21	82	Aug. 25	63	Jan. 8, 10	30	Jan. 23, Feb. 3	18
St. Abb's Head ..	Aug. 18, 25	75	Aug. 25	67	Jan. 10, Feb. 7, 8	32	Jan. 23	24
Broughton ..	Aug. 21	80	Aug. 25	63	Jan. 5	23	Jan. 6	9
Blyth Bridge ..	Aug. 21	81	Aug. 25	63	Jan. 10, 15	27	Jan. 6	10
West Linton ..	Aug. 21	81	Aug. 25	61	Jan. 15	28	Jan. 6, 14	10
Selkirk	Aug. 21	83	Aug. 25	62	Jan. 14	28	Jan. 6	13
Hawick	—	—	Aug. 25	61	Jan. 10	28	Jan. 14, 16	11
Sourhope ..	July 25	82	Aug. 25	62	Jan. 10	27	Jan. 11	15
6a. SCOTLAND, W.								
Tiree	May 10	72	Aug. 20, 25, Oct. 4	59	Jan. 10	36	Jan. 6	24
Rhuvaal	Aug. 10, Sep. 11	72	Aug. 20, 25	61	Jan. 6, 22	37	Jan. 6, 15, 22, 23	31
Colonsay ..	Sep. 11	73	Aug. 20	60	Jan. 5, 6, 14	37	Feb. 3	21
Loch Shiel ..	May 10	77	Aug. 19	61	Jan. 6	27	Jan. 6	14
Tarbert	Sep. 10, 11, 12	75	July 5, 26	59	Jan. 6	33	—	—
Lephinmore ..	May 26, July 25, Aug. 20	75	July 26, Aug. 20	61	Jan. 5, 6, 15	34	Jan. 6	20
Glenbranter ..	May 24, July 25	76	Aug. 21, 23, 24, 25	58	Jan. 15	28	Jan. 6	13
Dunoon Water W.	May 24, 25, July 25, Aug. 21	76	Aug. 24	62	Feb. 9	34	Jan. 6	19

* For Counties, terminal hours of observation and altitudes see Table III.

TABLE V (*continued*)—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1959 AT EACH STATION

DISTRICT AND PLACE	WARMEST DAY Highest Maximum and Date	°F.	WARMEST NIGHT Highest Minimum and Date	°F.	COLDEST DAY Lowest Maximum and Date	°F.	COLDEST NIGHT Lowest Minimum and Date	°F.
6a. SCOTLAND W.—*contd.*								
Dunoon(Benmore)	Sep. 3, 5	77	Aug. 25	59	Jan. 14	30	Jan. 6	15
Millport	July 7	76	Aug. 20, 25	63	Jan. 10	36	Nov. 9	26
Helensburgh ..	July 25	78	Aug. 25	61	Jan. 6	30	Feb. 3	15
Stirling	July 25, Aug. 21	79	Aug. 25	63	Jan. 6	30	Feb. 3	13
Falkirk	July 25, Aug. 20	80	Aug. 25	62	Jan. 15, Feb. 2	27	Jan. 6, 15, Feb. 3	16
Greenock ..	July 25	77	July 26, Aug. 24	62	Feb. 2	32	Jan. 15	21
Paisley	July 25, Aug. 20	80	July 26, Aug. 25	63	Jan. 14	25	Jan. 6, 16	18
Barrhead ..	Aug. 20, 21	79	Aug. 25	62	Jan. 14, Feb. 1	26	Jan. 6, 16	16
Renfrew	July 25, Aug. 20, 21, Sep. 10	80	Aug. 25	63	Jan. 15	23	Jan. 6, 15	15
Thorntonhall ..	Aug. 20	77	Aug. 20, 25	61	Jan. 14	27	Jan. 15, 16, Feb. 2	13
Glasgow	Aug. 20	80	Aug. 25	62	Jan. 15	28	Jan. 15	18
Coatbridge ..	Aug. 20	80	Aug. 30	65	Jan. 14	26	Jan. 6, 7, 15	16
Coalburn ..	Aug. 21	77	Aug. 25	62	Jan. 6	27	Jan. 6	9
Leadhills	Aug. 21	79	Aug. 25	61	Jan. 5, 10	27	Jan. 6	8
Carnwath ..	Aug. 21	79	Aug. 25	63	Jan. 15	28	Jan. 6	8
Colmonell ..	May 10	77	Aug. 25	64	Jan. 10	34	Jan. 15, 16	18
Largs	May 23	78	July 26	63	Jan. 6	34	Jan. 15, Feb. 3	22
Barr	Sep. 10	78	July 26, Aug. 25	59	Jan. 5	33	Jan. 16	(13)
Auchincruive ..	May 10, July 25	77	Aug. 25	64	Jan. 6	32	Jan. 16	20
Prestwick Apt. ..	May. 10, July 25	79	Aug. 24, 25	63	Jan. 6	32	Feb. 3	18
Kilmarnock ..	July 25	81	Aug. 20, 24, 25	62	Jan. 15	32	Feb. 3	20
Moniaive ..	Aug. 21	79	Aug. 25	63	Jan. 5, 15	30	Jan. 6, 14, 15, Feb. 3	18
Dumfries ..	Aug. 21	83	Aug. 25	64	Jan. 5	28	Jan. 6, 14	19
Ruthwell ..	Aug. 20, Sep. 10	80	Aug. 25	62	Jan. 5	30	Jan. 14	15
Eskdalemuir ..	Aug. 21	81	Aug. 25	62	Jan. 6	28	Jan. 16	12
Bargrennan ..	Aug. 21	80	Aug. 25	62	Jan. 6	34	Jan. 25	18
Palnure	Aug. 21	81	Aug. 20, 25	63	Jan. 6	35	Jan. 11, 16	15
Glenlee	Aug. 21, 22	82	Aug. 3, 9, 25	63	Jan. 5	30	Jan. 6, 15, 16, Feb. 3	14
Carsphairn ..	Aug. 21	82	Aug. 25	63	Jan. 5	30	Jan. 6, 25	10
Glenlochar ..	Aug. 21	82	Aug. 25	63	Jan. 5	30	Jan. 26	15
Castle Douglas ..	Aug. 21	83	July 28	63	Jan. 5	31	—	—
Stranraer ..	Aug. 20, Sep. 11	74	Aug. 25	62	Jan. 25	33	Jan. 14	18
Mull of Galloway	Aug. 21	75	Aug. 20	61	Jan. 5, 7, 10, 11, 22	37	Jan. 7, 11	30
6b. ISLE OF MAN								
Ronaldsway ..	Aug. 21	77	Aug. 10, 21, 25, 26	61	Jan. 7	36	Jan. 16	24
Douglas	Aug. 21	76	Aug. 25	61	Jan. 6, 7, 10, 14	37	Jan. 16	28
Point of Ayre ..	Aug. 24	81	Aug. 25	64	Jan. 16, Feb. 9	37	Feb. 3	29
2. ENGLAND, N.E.								
Kielder Castle ..	Aug. 21	80	Aug. 24	59	Jan. 10	28	Jan. 6	10
Bellingham ..	Aug. 20, 21, 22	79	Aug. 25	61	Jan. 10	29	Jan. 7	15
Allendale ..	Aug. 20, 21	81	Aug. 25	61	Jan. 6	31	Jan. 16, 17	15
Haydon Bridge ..	Aug. 20	83	Aug. 25	60	Jan. 10	30	Jan. 6, 26	14
Berwick-on-T. ..	June 14	79	Aug. 25	61	Jan. 15	29	Jan. 6, 7, 15, 16	21
Cockle Park ..	Aug. 18	81	Aug. 25	62	Jan. 15, Feb. 7	32	Jan. 11	19
Acklington ..	June 14	82	Aug. 25	65	Jan. 10	29	Jan. 6	19
Tynemouth ..	June 14, Aug. 18	78	Aug. 25	67	Jan. 10	30	Jan. 11	22
Chopwellwood ..	Aug. 20	85	Aug. 25	65	Jan. 10	28	Jan. 6	19
Ushaw	Aug. 21, Sep. 10	83	Aug. 25, 26	63	Jan. 10	29	Jan. 10	21
Houghall ..	Aug. 20	85	Aug. 25, 26	65	Jan. 10	31	Jan. 15, 16	10
Durham	Aug. 20	84	Aug. 26	64	Jan. 10	29	Jan. 17	20
Gateshead ..	July 4	83	Aug. 25	65	Jan. 10	29	Jan. 11	22
Middleton St. G.	Aug. 20	86	Aug. 25	66	Jan. 28	31	Jan. 11, 15	18
W. Hartlepool ..	June 14, July 7, Aug. 18	80	Aug. 25	68	Jan. 10	30	Jan. 9, 11, 17, 26, 29	25
Dishforth ..	Aug. 20	87	Aug. 25	67	Nov. 12	28	Jan. 16	18
York	Aug. 20	88	Aug. 25	67	Jan. 28	30	Jan. 11	21
Ampleforth ..	Aug. 20, 22, 25	83	July 5, Aug. 21, 25	61	Feb. 6	32	Jan. 11	17
Redcar	July 7, Aug. 18, 25, Sep. 7	80	—	—	Jan. 10	32	—	—
Whitby	July 7	83	Aug. 25	66	Jan. 10	33	Jan. 6	23
Scarborough ..	July 5	86	Aug. 25	66	Jan. 10	32	Jan. 12	24
Silpho Moor ..	July 4, 5	81	Aug. 25	64	Jan. 10	26	Jan. 11	21
H. Mowthorpe ..	July 5, Aug. 22	83	Aug. 25	64	Jan. 10	26	Jan. 11	15
Hull	July 5	86	Aug. 25	66	Jan. 10	31	Jan. 15	19
Filey	July 5	82	Aug. 25	66	Jan. 10	31	Jan. 15	19
Bridlington ..	Aug. 25	82	July 3, Aug. 12, 21 26	60	Jan. 10	30	Jan. 11	19
Spurn Head ..	Aug. 25	79	Aug. 25	65	Jan. 10	32	Jan. 11	26
Waddington ..	July 5	88	Aug. 25	64	Jan. 14	28	Jan. 11, 14	20
Lincoln	July 5	89	Aug. 21, 25	63	Jan. 15	28	Jan. 16	15
Cranwell ..	July 5	91	Aug. 25	63	Jan. 14	28	Jan. 11, 14	18
Cleethorpes ..	July 5	91	Aug. 25	66	Jan. 10	30	Jan. 11, 12	22
Manby	July 5	90	Aug. 25	64	Jan. 10	29	Jan. 11	19
Skegness	Aug. 25	84	Aug. 21	65	Jan. 10, 14	31	Jan. 11	19
3. ENGLAND, E.								
Terrington St. C.	July 5	89	Aug. 10	62	Jan. 15	29	Jan. 11, 14, 17, 26	20
Marham	July 5	91	July 2, Aug. 25	63	Jan. 14	26	Jan. 14, 17	16
Santon Downham	July 5	92	Aug. 10	62	Jan. 10, 14, 15, 29	30	Jan. 17	12
W. Raynham ..	July 5	90	July 2, Aug. 14, 25	62	Jan. 14	27	Jan. 17	18
Cromer	July 5	94	Aug. 25	64	Jan. 10	32	Jan. 11	22
Sprowston ..	July 8	91	Aug. 14, 25	63	Jan. 14	30	Jan. 15	16
Burlingham ..	July 8	88	Aug. 14, 25	63	Jan. 14	31	Jan. 11, 14, 15, 17	21

DISTRICT AND PLACE	WARMEST DAY Highest Maximum and Date	°F.	WARMEST NIGHT Highest Minimum and Date	°F.	COLDEST DAY Lowest Maximum and Date	°F.	COLDEST NIGHT Lowest Minimum and Date	°F.
3. ENGLAND, E.—*contd.*								
Gorleston ..	June 17, Aug. 25	82	Aug. 21	66	Jan. 10	31	Jan. 11, 14	21
Mildenhall	July 5	92	July 2, 27 Aug. 10, 25	62	Jan. 14	26	Jan. 14	19
E. Bergholt ..	July 8	90	Aug. 10	63	Jan. 10, 15	33	Jan. 14	18
Felixstowe ..	Aug. 25	83	Aug. 20	67	Jan. 10, 29	33	Jan. 30	25
Lowestoft ..	Aug. 25	86	Aug. 20, 21	65	Jan. 10	31	Jan. 11	20
Boxworth ..	July 5	94	July 3, Aug. 10, 12, 13, 24, 25	61	Jan. 14	30	Jan. 14	18
Cambridge ..	July 5	92	Aug. 10, 13, 25	62	Jan. 14	26	Jan. 17	18
Wyton	July 5	92	July 2, Aug. 10, 25	62	Jan. 14	25	Jan. 14, 15	19
Woburn	July 5	88	Aug. 9, 10, 13, 24, 25	61	Jan. 14	26	Nov. 12	19
Dunstable ..	July 5	90	July 5	63	Jan. 14, 15, 29	29	Jan. 14	16
Goldington ..	July 5	91	Aug. 25	63	Jan. 14	26	Jan. 17	20
Luton	July 5	89	Aug. 10, 11, 24	62	Jan. 14, 15	29	Jan. 17	19
Silsoe	July 5	91	Aug. 10, 13	62	Jan. 14	26	Jan. 17	19
Cardington ..	July 5	92	July 2	62	Jan. 14	26	Jan. 16, 17	19
Bovingdon ..	July 5	89	July 2, Aug. 10, 13, 24, 25	61	Jan. 14	29	Jan. 14	15
Garston	July 5	91	Aug. 20	63	Jan. 14	29	Jan. 14, 15	20
Rothamsted ..	July 5	90	Aug. 10	62	Jan. 14	28	Jan. 14	17
St. Albans ..	July 5	90	Aug. 10	62	Jan. 14	29	Jan. 17	19
Bayfordbury ..	July 5	92	Aug. 10	63	Jan. 14	28	Jan. 17	18
Stanstead Abbotts	July 5, 8	90	Aug. 10	63	Jan. 29	31	Jan. 17, Nov. 13	17
Eastwick Lodge ..	July 5	91	Aug. 10	63	Jan. 29	31	Jan. 17	18
Stansted	July 5	91	Aug. 10	63	Jan. 14	29	Jan. 14	17
Writtle	July 5	89	Aug. 10	63	Jan. 14	30	Jan. 17	19
Coryton	July 5	88	July 18, Aug. 10, 25	64	Jan. 14, 29	33	Jan. 14	22
Southend	July 5, 8	86	Aug. 20	65	Jan. 14	32	Jan. 11	23
Maldon	July 5, 18	89	Aug. 9, 10, 13, 25	63	Jan. 14, 29	32	Jan. 14, 17	20
Shoeburyness ..	July 18	85	July 18	65	Jan. 14	32	Jan. 14	24
Clacton	Aug. 26	83	Aug. 20, 21	67	Jan. 10	32	Jan. 14	22
Walton-on-Naze	Aug. 25, 26	82	Aug. 20, 21	67	Jan. 10	32	Jan. 14	22
Dovercourt ..	Aug. 25	84	Aug. 20	67	Jan. 10	32	Jan. 14, 15, 17	21
4. MIDLAND COUNTIES								
Slaidburn ..	Aug. 21	80	Aug. 25	63	Jan. 10	31	Jan. 14	16
Malham Tarn ..	Aug. 21, Sep. 9	77	Aug. 25	60	Jan. 10	26	Jan. 11	16
Bingley	July 4, Aug. 20	81	Aug. 25	64	Jan. 10	29	Jan. 11	18
Huddersfield ..	July 4	85	Aug. 25	65	Jan. 14	31	Jan. 14	16
,, (Oakes)	July 4	86	July 5, Aug. 25	63	Jan. 10	27	Jan. 11	20
Bradford	Aug. 20	83	Aug. 25	65	Jan. 10	29	Jan. 11, 15	19
Ilkley	July 4	85	Aug. 26	63	Jan. 27	31	Jan. 11	18
Sheffield	July 4, Aug. 20	84	Aug. 25	66	Jan. 10	31	Jan. 11	23
Wakefield ..	July 4	89	Aug. 25	66	Jan. 28	31	Jan. 15	19
Killinghall ..	July 4, Aug. 20	83	Aug. 25	65	Jan. 10	29	Jan. 29	19
Pontefract ..	July 4	84	Aug. 25	66	Jan. 10	30	Jan. 11	20
Bramham ..	Aug. 20	86	Aug. 26	62	Jan. 28	28	Jan. 14, 26	19
Cawood	Aug. 20	86	Aug. 25	67	Jan. 28	29	Jan. 11, 14, 16	15
Askam Bryan ..	July 4, Aug. 20	86	Aug. 25	67	Jan. 28	29	Jan. 11	12
Buxton	July 4	81	Aug. 25	61	Jan. 10	28	Jan. 14, 15	11
Chapel en le Frith	July 4	83	Aug. 25	62	Jan. 10	28	Jan. 11	7
Wirksworth ..	July 4	85	Aug. 21, 25	62	Jan. 10, 14, Feb. 7	31	Jan. 14	18
Derby	July 4	87	Aug. 24, 25	64	Jan. 14	31	Jan. 14	16
Morley	July 4	86	Aug. 24	63	Jan. 14	29	Jan. 14	12
Chesterfield ..	Aug. 21	85	July 8, Aug. 25	63	Jan. 10	29	Jan. 14	16
Sutton Bon'ton ..	Aug. 20	87	Aug. 24	64	Jan. 14	29	Jan. 16	12
Watnall	July 4, 5	87	Aug. 24	62	Jan. 14	28	Jan. 14	14
Mansfield ..	July 4	86	Aug. 24, 25	63	Jan. 10, 14	31	Jan. 11	19
Nottingham ..	July 5	87	Aug. 24	64	Jan. 14	30	Jan. 16	17
Warsop	July 4, 5	85	Aug. 25	64	Jan. 10, 14	31	Jan. 11	13
Finningley ..	Aug. 20	88	Aug. 25	65	Nov. 12	28	Jan. 14	18
Langar	July 5	89	Aug. 25	64	Jan. 14, 16	28	Jan. 16	17
Leicester	July 4, 5, 8	89	Aug. 25	65	Jan. 14	28	Jan. 16	13
Caldecott ..	July 5	93	Aug. 10	61	Jan. 14	24	Jan. 15, 16, 17	15
Wellingborough ..	July 5	91	Aug. 25	63	Jan. 15	30	Jan. 14, 15	17
Raunds	July 5	92	Aug. 25	63	Jan. 14	25	Jan. 14, 15, 16, 17	18
Wittering	July 5	91	Aug. 24	63	Jan. 14	27	Jan. 14	14
Birmingham ..	July 4	84	July 5, 8, Aug. 21, 24, 25	62	Jan. 14	29	Jan. 15, 16	24
Luddington ..	July 4	87	Aug. 25	63	Jan. 14	29	Jan. 17	17
Stratford on Avon	July 4	87	Aug. 10, 11, 25	62	Jan. 14	29	Jan. 17	17
Elmdon	July 25	86	Aug. 25	63	Jan. 14	27	Jan. 16	12
Shipston on Stour	July 4, 8	85	Aug. 25	62	Jan. 14, 15	29	Jan. 16	17
Wellesbourne ..	July 4, 5	86	Aug. 10, 11, 25	62	Jan. 14	29	Jan. 17	17
Moreton Morrell	July 4	86	Aug. 11, 24, 25	62	Jan. 14	28	Jan. 15, 17, Feb. 19	19
Coventry ..	July 4, Aug. 20	84	Aug. 24, 25	63	Jan. 14	28	Jan. 16	15
Rugby	July 5	87	Aug. 25	63	Jan. 14, 15	29	Jan. 16	18
Oxford	July 5	91	Aug. 10, 24	63	Jan. 14	29	Jan. 16, 17, Nov. 12	22
Aylesbury ..	July 5	89	July 5, Aug. 10, 20	62	Jan. 14	29	Jan. 17	18
Keele	Aug. 20, 21	82	Aug. 21	63	Jan. 15	27	Jan. 16	17
Oaken	July 4	85	July 25	63	Feb. 8	31	Jan. 16	10
Wheaton Aston ..	July 4, Aug. 20	83	July 5, 26, Aug. 24, 25	62	Jan. 10, 15	30	Jan. 16	11
Stone	Aug. 20, 21	84	Aug. 24	63	Jan. 10, 13, 14, 15	30	Jan. 11	11
Penkridge ..	July 4	84	Aug. 25	62	Jan. 15	29	Jan. 16, 17	13
Onecote	Aug. 18	79	July 5, 8	60	Jan. 10	25	Jan. 11	16
Oswestry ..	July 4	85	July 26	62	Jan. 14	28	Jan. 15	18
Shrewsbury ..	Aug. 20	84	Aug. 24	64	Jan. 14, 15	29	Jan. 16	13
Shawbury ..	Aug. 20	84	Aug. 24, 25	62	Jan. 14	24	Jan. 16	10
Newport	July 25	84	Aug. 24	63	Jan. 15	27	Jan. 11, 16, 17	13
Malvern	July 4	85	Aug. 24	63	Jan. 14	30	Jan. 16	19
Worcester ..	July 4	85	July 3, Aug. 25	62	Jan. 14	29	Jan. 16	19
Droitwich ..	July 4	84	July 6	63	Jan. 14, 16	29	Jan. 16, 26	18
Pershore (I. of H.)	July 4, 8	84	June 25, Aug. 10, 11, 25	62	Jan. 15	31	Jan. 17	21
Pershore	July 4, 25	85	July 3, Aug. 10, 11, 25	62	Jan. 16	27	Jan. 10, 16, 17 Nov. 12	21

TABLE V (*continued*)—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1959 AT EACH STATION

DISTRICT AND PLACE	WARMEST				COLDEST			
	DAY		NIGHT		DAY		NIGHT	
	Highest Maximum and Date	°F.	Highest Minimum and Date	°F.	Lowest Maximum and Date	°F.	Lowest Minimum and Date	°F.
4. MIDLAND COUNTIES—*contd.*								
Halesowen	July 4, 25	83	July 5	62	Jan. 14	28	Jan. 16	15
Lyonshall	July 4	80	Aug. 24	61	Jan. 14	29	Jan. 14	17
Ross-on-Wye	July 4	84	Aug. 10, 11, 24	62	Jan. 14	30	Jan. 16	19
Preston Wynne	July 4	83	July 3, Aug. 10, 11, 24, 25	61	Jan. 14	30	Jan. 16	19
Bristol	July 4, Aug. 20	82	Aug. 10	63	Jan. 14	31	Jan. 16, 17	21
Ruscombe	July 4	82	Aug. 20	62	Feb. 8	31	Jan. 14, 16	20
Cirencester	July 4, 8	83	Aug. 10, 24	62	Jan. 14	30	Jan. 14	18
L. Rissington	July 5	84	June 25, July 7, Aug. 10, 21, 24, 26	61	Jan. 15	28	Jan. 16	23
5. ENGLAND, S.E.								
Kensington	July 5	93	Aug. 10, 21	65	Jan. 14, 29	33	Jan. 17	25
Hampstead	July 5	90	Aug. 10	63	Jan. 14	30	Jan. 11, 14	23
Westminster	July 5	94	July 5, Aug. 10, 21, 26	65	Jan. 29	33	Jan. 11, 17	26
Regent's Park	July 5	92	Aug. 10	64	Jan. 14	32	Jan. 12, 17	25
Camden Square	July 5	92	Aug. 10, 26	64	Jan. 14	32	Jan. 11	26
Greenwich	July 5, 8	91	Aug. 9, 25	64	Jan. 14	33	Jan. 17, 25, 26	24
London Airport	July 5	93	Aug. 10	65	Jan. 29	30	Jan. 17	21
Hampton	July 5, 8	90	Aug. 10	65	Jan. 29	30	Jan. 26	23
Southgate	July 5	91	Aug. 10	63	—	—	Jan. 14	19
Wisley	July 5	91	Aug. 9	64	Jan. 29	29	Jan. 26	20
Mickleham	July 5	90	Aug. 25	63	Jan. 4	33	Jan. 17	18
Kew Observatory	July 5	91	Aug. 10, 21	65	Jan. 14	33	Jan. 17	23
Gatwick	July 5	90	Aug. 25	62	Jan. 14	33	Jan. 25	18
Croydon(Waddon)	July 5	91	Aug. 9, 10, 13	63	Jan. 29	30	Jan. 25	20
Addington	July 5, 8	89	July 5	63	Jan. 14	31	Jan. 11, 14, 15	23
Bromley	July 5	91	Aug. 10	65	Jan. 10, 11, 14	35	Jan. 11, 26	24
Swanley	July 8	90	Aug. 10	63	Jan. 14	32	Jan. 26	21
Dartford	July 5, 8	92	Aug. 10	64	Jan. 14, 29	33	Jan. 26	21
Tunbridge Wells	July 5	89	Aug. 9, 13, 25	62	Jan. 10, 11, 14	33	Jan. 11	19
West Malling	July 5, 8	89	Aug. 9, 13, 21	62	Jan. 14	32	Jan. 17	19
Goudhurst	July 8	88	Aug. 9, 13, 24	62	Jan. 10, 11, Feb. 5	33	Jan. 17	20
East Malling	July 5, 8	90	Aug. 13	63	Jan. 14, 29	33	Jan. 17	20
Gillingham	July 5	92	Aug. 10	64	Jan. 29	33	Jan. 17	21
Sittingbourne	July 5, 8	87	Aug. 9, Sept. 5	61	Jan. 10, 14	33	Jan. 14	21
Isle of Grain	July 5	89	Aug. 9, 10, 21	65	Jan. 10, 11, 29	35	Jan. 14	24
Throwley	July 5, 8	86	Aug. 9, 13, 20	61	Jan. 10	31	Jan. 14	20
Faversham	July 5	89	Aug. 9	63	Jan. 10, 14	33	Jan. 14	22
Dungeness	July 5	81	Aug. 21	65	Jan. 10	33	Jan. 14, 17	22
Wye	July 5	88	Aug. 9	63	Jan. 10	33	Jan. 17	21
Whitstable	July 5	90	Aug. 9, 25, 26, Sept. 13	64	Jan. 29	33	Jan. 14	21
Folkestone	July 5, 9	83	July 9	68	Jan. 10, Feb. 13	35	Jan. 11	25
Wingham	July 5, 8	89	—	—	Jan. 10	33	Jan. 17	21
Herne Bay	July 5	90	Aug. 26	67	Jan. 10, 29	34	Jan. 17	25
Dover	July 9	82	Aug. 26	66	Jan. 10	35	Jan. 11, 17, 30	26
Ramsgate	July 18, Aug. 26	81	July 9	67	Jan. 10, 11	35	Jan. 14	26
Margate	July 18	85	Aug. 26	67	Jan. 10, 11, 14	34	Jan. 14	27
Thorney Island	July 5	85	Aug. 9	64	Jan. 10	35	Jan. 14, 17, 25	24
Bognor Regis	July 9, Aug. 25	79	Aug. 9, 20	66	Jan. 10, Feb. 18, 19	36	Jan. 14	25
Fernhurst	July 5	88	Aug. 9, 13, 25	62	Jan. 15	32	Jan. 17	19
Littlehampton	Sept. 12	81	Aug. 20	67	Feb. 5	36	Jan. 17	24
Worthing	July 9	82	Aug. 20	67	Jan. 10	35	Jan. 11, 17	26
Brighton	July 9	85	Aug. 20	68	Jan. 10	35	Jan. 17	25
East Grinstead	July 5	89	Aug. 13, 25	62	Jan. 14	33	Jan. 17	19
Eastbourne	July 9	81	Aug. 9, 26	65	Jan. 11	35	Jan. 17	26
,, (Coastguard)	July 9	84	Aug. 21	65	Jan. 10, 11	36	Jan. 14, 17	25
Hankham	July 9	86	Aug. 13	63	Jan. 10	34	Jan. 14	22
Bexhill	July 9	82	Aug. 21	68	Jan. 10	35	Jan. 11, 17, 25	25
Sedlescombe	July 5	88	Aug. 9	64	Jan. 11, 14	34	Jan. 14	21
Bodiam	July 8	89	Aug. 24	65	Jan. 14, Feb. 5	34	Jan. 17	21
Hastings	July 9	86	Aug. 21	68	Jan. 10	34	Jan. 11	25
Abingdon	July 5	93	Aug. 10	63	Jan. 14, 29	31	Jan. 16, Nov. 12	20
Woolhampton	July 5	89	Aug. 25	62	Jan. 14, 29	31	Nov. 12	21
Shinfield	July 5	90	Aug. 25	63	Jan. 14	33	Jan. 17	20
Reading	July 5	91	Aug. 9	64	Jan. 29	31	Jan. 17	22
Finchampstead	July 5	91	—	—	Jan. 14	32	Jan. 25	19
Wokingham	July 5	91	Aug. 9, 25	63	Jan. 29	31	Jan. 16, 17, 25	20
Hurley	July 5	91	Aug. 9, 10, 25	63	Jan. 14, 29	31	Jan. 17	19
Bournemouth	Sept. 12	82	Aug. 9	64	Jan. 14	35	Jan. 14, 17, 25	24
Christchurch	Aug. 25	85	Aug. 9, 20, 25	63	Jan. 10, 14, 29	36	Jan. 14, 17	23
Ringwood	July 8	88	Aug. 9	63	Jan. 14	34	Jan. 14	21
Everton	July 5	86	Aug. 9	64	Jan. 24, Feb. 5, 6	37	Jan. 14	24
Southampton	July 8	88	Aug. 9	64	Jan. 10, 14	35	Jan. 14	23
Leckford	July 5	88	Aug. 9, 24	62	Jan. 14	31	Jan. 17	20
Winchester	July 8	88	Aug. 9	63	Jan. 14	33	Jan. 17, 25, 26, Nov. 12	20
Martyr Worthy	July 5	88	Aug. 25	64	Jan. 11, 14, Feb. 7	33	Jan. 17	19
Southsea	Aug. 26	82	Aug. 20	67	Jan. 10	34	Jan. 14	26
Hayling Island	Aug. 25, 26	81	Aug. 20	65	Jan. 10	34	Jan. 14, 25	25
Long Sutton	July 5	89	Aug. 9	62	Jan. 11, 14, 15	32	Jan. 17	14
Alice Holt Lodge	July 5	89	Aug. 9, 25	62	Jan. 14, 15, 29	32	Jan. 17	20
S. Farnborough	July 5	92	Aug. 9, 25	63	Jan. 29	30	Jan. 17	17
Blackbushe	July 5	90	Aug. 9, 10, 25	63	Jan. 29	30	Jan. 14, 16	21
St. Catherine's Pt.	Sept. 11	79	July 5, Aug. 20	67	Jan. 10	37	Jan. 12	30
Ventnor Park	Aug. 25	80	Aug. 20	66	Jan. 10	37	Jan. 16	27
Shanklin	July 8	81	Aug. 9, 24	63	Jan. 10	35	Jan. 14	24
Sandown	Aug. 25	80	Aug. 20	65	Jan. 10	36	Jan. 16, 25	27
Ryde	July 8	83	Aug. 20, 25	66	Jan. 10, Feb. 17, 18	37	Jan. 17	27
Lacock	July 4	85	Aug. 24	63	Jan. 14, 29	31	Jan. 16, 17, Nov. 12	20
W. Lavington	July 5	86	Aug. 20, 24	62	Jan. 14	32	Jan. 16, 25, Nov. 12	20
Lyneham	July 5	83	Aug. 20	64	Jan. 14	30	Jan. 16	17
Larkhill	July 5	88	Aug. 9, 13, 24, 25	61	Jan. 14	32	Jan. 14, 15	18
Boscombe Down	July 5	89	Aug. 9	63	Jan. 14, 29	32	Jan. 14	20
Upavon	July 5	89	Sept. 12	63	Jan. 11, 14	31	Jan. 14, 16	21
Porton	July 5	89	Aug. 9	63	Jan. 14, 29	32	Jan. 17	16
7a. ENGLAND, N.W.								
Sellafield	Aug. 20	80	Aug. 10, 21	64	Jan. 10	35	Jan. 14	23
Silloth	Aug. 21	84	Aug. 25	64	Jan. 5	29	Jan. 16	16
Newton Rigg	Aug. 21	81	Aug. 25	65	Jan. 5	29	Jan. 16	14
Ambleside	Aug. 21	84	Aug. 26	63	Jan. 16	31	Jan. 16	16
Moor House	Aug. 21	75	Aug. 25	58	Jan. 10	21	Jan. 6, 7	7
Barrow-in-Furness	Aug. 21	83	Aug. 20	64	Jan. 5, 6, 10, 16	35	Jan. 11, 14, 16	23
Squires Gate	Aug. 20, 21	84	Aug. 25	64	Jan. 13, 16	31	Jan. 16	16
Urswick	Aug. 21	84	Aug. 20, 25	62	Jan. 5, 6, 7, 16	34	Jan. 10	14
Poulton-le-Fylde	Aug. 20	84	Aug. 25	64	Jan. 14	32	Jan. 16	16
Speke	Aug. 21	84	Aug. 25	65	Jan. 14	28	Jan. 14, 15, 16, 26	25
Kirkham	Aug. 20, 21	84	Aug. 25	64	Jan. 14	32	Jan. 16	16
Garstang	Aug. 20	83	Aug. 20	65	Jan. 10	33	Jan. 11	11
Morecambe	Aug. 20	85	July 26	65	Jan. 10	32	Jan. 17	18
Preston	Aug. 20, 21	83	Aug. 25	64	Jan. 13	31	Jan. 11	13
Bolton	Aug. 20	84	Aug. 25	64	Jan. 10, 13, 25	31	Jan. 16	15
Darwen	Aug. 20	83	Aug. 20	61	Jan. 10	31	Jan. 11, 16	22
Stonyhurst	Aug. 21	83	Aug. 25	64	Jan. 5, 14	33	Jan. 17	16
Helmshore	Aug. 21	80	July 5, Aug. 25	62	Jan. 10	29	Jan. 16	15
Nelson	July 4	82	Aug. 25	63	Jan. 10	29	Jan. 16	11
Rochdale	July 4	83	Aug. 25	63	Jan. 13	28	Jan. 10, 11	16
W. Kirby Park	July 25	82	Aug. 24, 25	65	Jan. 14, 15	29	Jan. 16, 17	23
Bidston	July 4, Aug. 20	82	Aug. 25	64	Jan. 14, 15	31	Jan. 16	22
Northwich	Aug. 20	87	Aug. 25, 26	65	Jan. 15	27	Jan. 15, 16	23
Manchester Apt.	July 25, Aug. 20, 21	85	July 5, 26	65	Jan. 16	30	Jan. 11	18
Macclesfield	July 4, Aug. 20	84	July 5, 26	65	Jan. 10	29	Jan. 16	16
7b. NORTH WALES								
Rhyl	Aug. 20	82	Aug. 25	65	Jan. 14, 15	34	Jan. 16	23
St. Asaph	Aug. 20	83	Aug. 24, 25	64	Jan. 15	33	Jan. 14	23
Prestatyn	Aug. 20	81	Aug. 25	64	Jan. 14	31	Jan. 14, 15, 26, 28, Feb. 2	24
Hawarden Bridge	July 4, 25	83	Jul. 26, Aug. 25	65	Jan. 14	29	Jan. 16	19
Holyhead(Valley)	Aug. 19, Sept. 11	79	Aug. 25, 26	62	Jan. 7, 10, 14	37	Jan. 16, 26	27
Colwyn Bay	Aug. 19	81	Aug. 25	66	Jan. 14	36	Feb. 2	25
Alwen	July 4, 25, Sept. 11	78	Aug. 9	60	Jan. 14	30	Jan. 16	10
Ruabon	July 4	83	Aug. 24	64	Jan. 14	30	Jan. 14, 16	18
Wrexham	July 4	85	Aug. 25	64	Jan. 14	30	Jan. 16	18
Bryn Adda	July 25, Sept. 11	78	Aug. 25, 26, Oct. 4	62	Jan. 7, 10	37	Jan. 11	28
Aber	Aug. 19	80	Aug. 25	65	Jan. 10	38	Feb. 18	28
Llandudno	Aug. 19	81	Aug. 25	66	Jan. 14	35	Jan. 14, 16	27
Bl. Ffestiniog	July 4, Sept. 11	79	Sept. 12	61	Jan. 14, 15	34	Jan. 16	25
Corwen	—	—	July 8	64	Jan. 15	27	Jan. 14, 15	9
Lake Vyrnwy	July 4	78	Aug. 24	60	Jan. 14	29	Jan. 14	19
8a. SOUTH WALES								
Aberporth	July 4	81	Aug. 10	63	Jan. 14	34	Jan. 16	25
Aberystwyth	July 4	83	Aug. 10	64	Jan. 14	35	Jan. 16	24
,, P.B.S.	July 4	82	Aug. 20	63	Jan. 14	33	Jan. 16	25
Gogerddan	July 4	83	Aug. 10, 24	63	Jan. 14	35	Jan. 16, 25	21
Swyddffynnon	Sept. 10, 11	83	July 5	61	Jan. 14, 15	32	Jan. 16, 25	16
Trawscoed	July 4, 25	82	—	—	Feb. 5	32	Jan. 25	17
Llety-evan-hen	Sept. 11	77	Sept. 11	61	Jan. 14	32	Jan. 11, 15, 16, Feb. 6	27
Dale Fort	Sept. 12	81	Aug. 10	63	Jan. 15	39	Jan. 14	28
Brawdy	July 4, 25, Sept. 11	79	Aug. 24	60	Jan. 14	33	Jan. 14, Feb. 2, 5	27
Milford Haven	Sept. 12	81	Aug. 10	63	Jan. 14	34	Jan. 14	25
Haverfordwest	July 4, 25, Sept. 11, 12	80	Aug. 10	64	Jan. 14	35	Jan. 16	20
Llandrindod W.	July 4	82	Aug. 10	61	Jan. 14	30	Jan. 16	8
Llwynon	July 4, Sept. 10, 11	79	Aug. 10	61	Jan. 14	31	Jan. 14	19
Mumbles Head	Aug. 8	77	Aug. 20	64	Feb. 8	35	Jan. 16	28
Swansea	July 24, 25, Aug. 19, 20	78	Aug. 9, 20	65	Jan. 10, 14	38	Jan. 16	27
Port Talbot	Aug. 20	84	Aug. 20	68	Jan. 14	37	Jan. 16	23
Neath	July 4	81	Aug. 10	65	Jan. 14	37	Jan. 16	24
Rhoose	July 4, Aug. 20	80	Aug. 10, 24	62	Jan. 14	32	Jan. 16	20
Cardiff	July 4	82	Aug. 10	64	Jan. 15, Feb. 8	33	Jan. 16, 17	24
Tredegar	July 8	79	Aug. 10, 11	60	Jan. 14	30	Jan. 14	19
Newport	July 4	82	Aug. 10	64	Jan. 14	33	Jan. 16	21
Usk	July 4	82	Aug. 10, 24	63	Jan. 14	32	Jan. 16	16
Crumbland	July 4, 8	80	July 5	62	Feb. 8	30	Jan. 14	22
8b. ENGLAND, S.W.								
Hawkridge	Jul. 24, Sept. 10	76	Aug. 13	60	Jan. 15	31	Jan. 16	20
Cannington	July 4, 24, Aug. 20	82	Aug. 25	63	Jan. 14	33	Jan. 16	17
Weston-s.-Mare	July 4	83	July 5	65	Jan. 14	32	Jan. 16	19
Long Ashton	July 4	84	Aug. 10	63	Jan. 14	29	Jan. 16, 17	20
Bath	July 4, 8	83	Aug. 24	63	Jan. 14	32	Jan. 17	21
Portland Bill	Sept. 12	77	Aug. 20, 25	65	Feb. 8	38	Jan. 16	31
Weymouth	July 5, 8	84	Aug. 20, 24	63	Jan. 24, Feb. 5	39	Jan. 17	25
Shaftesbury	July 5	83	Sept. 7	67	Jan. 11	31	Jan. 14, 16	21
Swanage	July 5	82	Aug. 20	66	Feb. 5, 8	38	Jan. 14	26
Poole	July 8	86	Aug. 25	67	Jan. 10, 14, 24, Feb. 8	36	Jan. 25	22
Hartland Point	July 4	83	Sept. 12	64	Jan. 14	35	Jan. 16, Feb. 9	30
Plymouth (Mt. B.)	Sept. 12	81	Sept. 13	65	Jan. 15	39	Jan. 10, 16	25
Plymouth Hoe	Sept. 12	82	Sept. 13	65	Jan. 14, 15	40	Jan. 10, 16	27
Tavistock	Sept. 10	84	Sept. 13	64	Jan. 15	38	Jan. 10, 16	23
Chivenor	July 24, 25	85	Sept. 10	64	Jan. 14	37	Jan. 16	22
Ilfracombe	July 4	82	July 25	66	Jan. 15	38	Jan. 16	28
Princetown	July 8	76	July 24	66	Jan. 24	31	Jan. 10, 16	22
Totnes	July 8	83	July 17	62	Jan. 11, 15, Feb. 5	40	Jan. 16, 17, 25	21
Newton Abbot	July 8	82	Aug. 10	62	Jan. 15	38	Jan. 17	25
Paignton	July 5, Sept. 12	79	Jul. 17, Aug. 10 Sep. 13, Oct. 5, 6	63	Jan. 11, Feb. 19	40	Jan. 16, 17	25
Torquay	Sept. 12	81	Aug. 10, Oct. 6	63	Jan. 11, 15	40	Jan. 17	27

TABLE V (*continued*)—WARMEST DAY AND NIGHT AND COLDEST DAY AND NIGHT IN THE YEAR 1959 AT EACH STATION

DISTRICT AND PLACE	WARMEST DAY Highest Maximum and Date	°F.	WARMEST NIGHT Highest Minimum and Date	°F.	COLDEST DAY Lowest Maximum and Date	°F.	COLDEST NIGHT Lowest Minimum and Date	°F.
8b. ENGLAND, S.W.—*contd.*								
Teignmouth	July 8, Aug. 26, Sept. 12	80	Aug. 10, 26, Sep. 13, Oct. 5, 6	64	Jan. 11, Feb. 8, 19	40	Jan. 17	27
Starcross	July 8	82	Aug. 10	63	Feb. 5	37	Jan. 17	23
Exmouth	July 8	83	July 2, Aug. 10, 24, Oct. 6	61	Jan. 11, Feb. 8	37	Jan. 14	23
Exeter	July 8	86	July 2, 17, Aug. 10, 13, 24, 25	62	Jan. 14, 16, Feb. 5	36	Jan. 17	21
Sidmouth	Sept. 12	82	July 6	65	Jan. 14, Feb. 8	38	Jan. 10, 16, 17 25	26
St. Mary's, Scilly	July 23, 24	76	July 17, 24, 26, Aug. 11, 25, Sept. 14	61	Jan. 11, 13, Feb. 2	43	Jan. 10	35
Penzance	Sept. 12	79	Aug. 11, 24	63	Jan. 10	43	Jan. 16	26
Gulval	Sept. 8, 12	79	Sept. 13	64	Feb. 2	42	Jan. 16	29
Camborne	Sept. 12	79	Sept. 11	63	Jan. 13, 24, Feb. 2, 4	41	Jan. 10, 16 Feb. 2	29
Falmouth	Aug. 26, Sep. 12	77	Aug. 24	64	Jan. 24	41	Jan. 16	29
Newquay	July 24	79	Aug. 10	63	Jan. 14	40	Jan. 16, 17	28
St. Mawgan	July 24	81	Aug. 13, 24	61	Jan. 14	38	Jan. 16	26
St. Austell	Sept. 12	80	Sept. 13	62	Jan. 15	40	Jan. 10	28
Fowey	July 8, Aug. 26	80	Jul. 26, Aug. 10, 24, Oct. 4, 6	63	Jan. 11, 24	41	Jan. 16	27
Bude	July 4, 25, Sept. 11	83	July 17	62	Jan. 14	36	Jan. 16	23
8b. ENGLAND, S.W.—*contd.*								
Ellbridge	Sept. 12	82	Aug. 10, 24, 25	61	Jan. 14, 15	39	Jan. 10, 11, 16	24
N. IRELAND								
Ballykelly	July 25	79	Aug. 24, 25	64	Feb. 3	33	Feb. 3	19
Garvagh	July 25, Sept. 11	77	Aug. 25	64	Jan. 14	31	Jan. 15, 25, 26, Feb. 3	18
Aldergrove	Sept. 11	78	Aug. 24, 25	63	Jan. 10	32	Jan. 15, 16	17
Nutts Corner	Jul. 25, Sept. 11	77	Aug. 24	63	Jan. 10, 13	32	Jan. 16	15
Hillsborough	July 25, Sept. 6, 9, 11	76	Aug. 24, 25	63	Jan. 14	30	Jan. 16	22
Kilkeel	Aug. 21	74	Aug. 24	62	Jan. 10, 11	37	Jan. 14, Feb. 3	27
Stormont Castle	Jul. 4, Sept. 12	77	Aug. 24	64	Jan. 10, 13	35	Jan. 16	21
Armagh	June 14, Sept 11	80	Aug. 24	64	Jan. 14	31	Jan. 16	21
Loughgall	June 14, Sep. 11	78	Aug. 24	64	Jan. 14	32	Jan. 26	19
Ely Lodge	July 27	77	Aug. 25	63	Jan. 14	30	Jan. 16	13
CHANNEL ISLES								
Guernsey Apt.	July 4	84	July 5	68	Feb. 13	39	Feb. 20	33
Alderney Apt.	July 5	77	July 5	64	Jan. 14, Feb. 13	39	Jan. 25	32
Jersey Apt.	July 4	87	July 5	69	Feb. 3	37	Jan. 25	32
„ St. Helier	July 4	88	July 5	71	Feb. 3	38	Jan. 30, Feb. 2	32

TABLE VI—MONTHLY FREQUENCIES OF SUNSHINE FOR 20 STATIONS—NUMBER OF DAYS IN EACH MONTH OF 1959 ON WHICH THE DURATION OF SUNSHINE WAS (1) nil, (2) 3 hours or less, (3) more than 3 hours but not more than 6 hours, (4) between 6 and 9 hours, (5) more than 9 hours

STATION	JANUARY					FEBRUARY					MARCH					APRIL					MAY					JUNE				
	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.
Lerwick	11	15	5	0	0	11	13	2	2	0	9	9	6	6	1	3	10	8	8	1	4	9	5	5	8	3	3	6	4	14
Stornoway	8	17	5	1	0	5	10	9	4	0	7	8	9	5	2	3	11	6	4	6	2	6	3	6	14	0	6	9	6	9
Craibstone	5	10	15	1	0	7	8	8	5	0	10	9	4	4	4	2	7	11	6	4	2	10	5	6	8	1	6	7	5	11
Rothesay	7	8	13	3	0	9	10	8	1	0	8	9	8	6	0	0	11	10	7	2	0	3	7	8	13	2	9	4	4	11
Renfrew	12	9	8	2	0	18	9	1	0	0	10	8	10	3	0	1	12	9	5	3	1	5	3	10	12	3	6	8	4	9
Eskdalemuir	7	9	9	6	0	16	6	1	5	0	6	15	7	3	0	4	10	7	5	4	1	6	9	5	10	2	8	5	10	5
Douglas	11	6	8	6	0	17	4	4	3	0	7	11	4	5	4	2	7	8	8	5	0	4	6	7	14	1	3	2	6	18
Cockle Park	6	10	7	8	0	11	9	5	3	0	15	6	3	5	2	1	6	12	6	5	1	8	4	9	9	5	3	6	8	8
Gorleston	6	10	10	5	0	10	7	5	5	1	5	10	7	7	2	4	4	7	8	7	4	4	2	7	14	0	6	5	6	13
Cambridge N.I.A.B.	7	11	8	5	0	11	8	4	4	1	7	10	8	3	3	3	8	7	8	4	4	4	5	4	14	0	4	5	9	12
Birmingham	11	11	6	3	0	14	9	1	4	0	9	9	8	4	1	2	11	5	10	2	2	5	7	8	9	0	8	5	5	12
Kew Observatory	7	10	12	2	0	13	6	5	3	1	6	11	7	6	1	2	10	7	7	4	1	6	6	2	16	0	3	11	5	11
Hastings	7	10	7	7	0	10	7	6	4	1	3	13	7	5	3	2	8	6	8	6	1	5	6	4	15	0	2	2	10	16
Southampton	7	10	6	8	0	14	6	2	5	1	4	7	13	7	0	3	7	2	11	7	1	4	5	8	13	1	6	6	4	13
Stonyhurst	10	6	8	7	0	15	10	0	3	0	10	12	3	4	2	2	11	10	5	2	1	4	6	8	12	2	4	5	9	10
Bidston Observatory	9	10	8	4	0	10	13	3	2	0	8	11	7	3	2	2	11	5	8	4	1	3	7	8	12	1	4	3	7	15
Holyhead (Valley)	10	8	8	5	0	9	8	2	9	0	2	8	7	9	5	1	10	10	5	4	1	4	6	6	14	0	4	3	9	14
Flamouth	12	8	6	5	0	11	9	4	4	0	5	11	5	7	3	3	6	4	7	10	3	3	2	7	16	3	4	3	2	18
Aldergrove	8	10	9	4	0	9	10	6	3	0	7	9	4	11	0	1	9	11	7	2	1	4	7	8	11	1	2	10	8	9
Armagh	7	11	8	5	0	6	14	4	4	0	5	10	6	9	1	1	8	8	11	2	1	5	5	11	9	0	4	7	10	9

STATION	JULY					AUGUST					SEPTEMBER					OCTOBER					NOVEMBER					DECEMBER				
	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.	Sunless	0·1–3·0 hrs.	3·1–6·0 hrs.	6·1–9·0 hrs.	>9·0 hrs.
Lerwick	4	8	11	4	4	5	14	6	3	3	4	10	8	4	4	8	13	7	3	0	14	10	6	0	0	20	10	1	0	0
Stornoway	5	17	6	3	0	5	14	5	3	4	3	10	3	6	8	4	12	9	4	2	7	20	3	0	0	16	11	4	0	0
Craibstone	1	9	8	4	9	0	14	4	9	4	3	7	2	12	6	8	8	8	6	1	11	10	6	3	0	17	12	2	0	0
Rothesay	6	5	9	7	4	2	9	8	6	6	7	6	6	5	6	7	13	4	5	2	10	14	3	3	0	21	10	0	0	0
Renfrew	3	9	8	6	5	2	10	6	6	7	5	7	7	9	2	4	15	6	6	0	11	15	2	2	0	21	10	0	0	0
Eskdalemuir	4	7	8	7	5	1	8	4	11	7	6	6	4	7	7	4	6	9	12	0	11	12	7	0	0	20	10	1	0	0
Douglas	3	4	6	9	9	2	5	5	6	13	3	7	2	6	12	3	12	7	8	1	12	11	5	2	0	12	15	4	0	0
Cockle Park	0	11	4	2	14	3	5	7	5	11	4	6	6	5	9	3	11	8	9	0	11	10	7	2	0	21	7	3	0	0
Gorleston	0	4	4	5	18	1	7	4	7	12	2	6	6	6	10	4	5	8	14	0	9	13	4	4	0	20	10	0	1	0
Cambridge N.I.A.B.	1	3	3	7	17	1	6	6	5	13	1	6	8	6	9	2	8	3	14	4	12	10	5	3	0	17	8	5	1	0
Birmingham	1	6	9	4	11	1	8	4	9	9	4	5	5	7	9	3	10	8	8	2	13	9	5	3	0	16	11	4	0	0
Kew Observatory	0	3	2	11	15	0	5	5	6	15	0	3	8	7	12	5	6	2	15	3	8	13	6	3	0	14	13	4	0	0
Hastings	1	1	3	4	22	0	7	6	5	13	0	1	7	6	16	3	7	4	11	6	10	9	7	4	0	13	15	2	1	0
Southampton	0	3	5	6	17	0	7	2	4	18	0	4	2	7	17	3	6	8	11	3	8	14	5	3	0	13	14	4	0	0
Stonyhurst	2	8	7	6	8	2	11	3	7	8	5	4	1	9	11	3	10	7	10	1	11	12	7	0	0	15	13	3	0	0
Bidston Observatory	1	6	9	3	12	1	7	7	7	9	4	5	3	6	12	3	12	6	10	0	7	14	7	2	0	14	12	5	0	0
Holyhead (Valley)	2	5	7	6	11	4	4	5	8	10	1	8	3	6	12	6	10	3	9	3	9	17	4	0	0	15	12	4	0	0
Falmouth	1	5	4	6	15	2	7	2	6	14	1	3	4	5	17	5	8	8	8	2	6	14	9	1	0	11	13	7	0	0
Aldergrove	4	9	13	4	1	3	11	5	5	7	5	4	9	7	5	6	9	11	4	1	11	8	9	2	0	16	9	6	0	0
Armagh	2	6	13	8	2	0	16	4	7	4	3	8	9	5	5	3	13	10	5	0	10	7	11	2	0	9	17	5	0	0

TABLE VII [First Published 1914].—NUMBER OF DAYS IN 1959 WITH RAINFALL BETWEEN GIVEN LIMITS

STATION	0 in. 0·0·1 mm.	·01–·04 in. 0·2–1·0 mm.	·05–·20 in. 1·1–5·0 mm.	·21–·40 in. 5·1–10·0 mm.	·41–·60 in. 10·1–15·0 mm.	·61–·80 in. 15·1–20·0 mm.	·81–1·00 in. 20·1–25·0 mm.	> 1·00 in. > 25·0 mm.
Lerwick	142	64	86	53	12	4	3	1
Stornoway	131	54	101	46	17	7	6	3
Fort William	124	51	81	41	26	13	11	18
Nairn	—	—	66	23	6	4	0	0
Craibstone	191	55	76	25	9	6	2	1
Leuchars	211	60	60	19	10	2	0	3
Rothesay	—	—	—	—	—	—	—	—
Renfrew	180	49	84	27	16	6	1	2
Eskdalemuir	172	31	75	42	15	11	13	6
Douglas	178	43	80	32	17	10	2	3
Cockle Park	208	67	59	21	7	2	0	1
Scarborough	223	46	61	22	9	2	1	1
Cranwell	237	45	53	21	4	4	1	0
Gorleston	238	45	56	14	7	2	1	2
Cambridge	237	40	64	15	4	2	0	3
Shoeburyness	235	43	66	14	6	1	0	0
Birmingham	210	38	73	29	9	1	1	4
Ross-on-Wye	219	37	60	26	14	1	5	3
Kew Observatory	241	30	64	23	6	1	0	0
Hastings	232	36	53	26	10	5	1	2
Southampton	214	48	53	31	14	2	1	2
Moor House	168	33	66	41	28	9	8	12
Stonyhurst	204	36	59	40	16	4	1	5
Bidston Observatory	201	45	68	36	4	8	2	1
Holyhead (Valley)	194	46	71	31	13	6	2	2
Llandrindod Wells	188	30	83	32	21	8	0	3
Bath	204	38	76	24	12	6	4	1
Falmouth	194	28	64	41	13	11	9	5
Aldergrove	181	48	87	33	11	3	1	1
Armagh	175	53	91	32	10	2	2	0

TABLE VIII [First Published 1913].—NUMBER OF DAYS IN 1959 WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

STATION	MAXIMUM TEMPERATURE								MINIMUM TEMPERATURE							
	32° or less.	33°–41°.	42°–50°.	51°–59°.	60°–68°.	69°–77°.	78°–86°.	Above 86°.	5° or less.	6°–14°.	15°–23°.	24°–32°.	33°–41°.	42°–50°.	51°–59°.	Above 59°.
Lerwick	8	35	151	141	30	0	0	0	0	0	4	24	139	139	59	0
Stornoway	3	21	121	126	91	3	0	0	0	0	4	27	109	137	88	0
Craibstone	4	40	99	114	75	31	2	0	0	0	6	40	132	138	48	1
Rothesay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Renfrew	9	25	90	90	101	45	5	0	0	0	15	35	97	127	87	4
Eskdalemuir	6	51	103	72	93	38	2	0	0	4	14	53	138	118	37	1
Douglas	0	19	119	89	118	20	0	0	0	0	0	12	101	125	123	4
Cockle Park	2	43	86	93	92	44	5	0	0	0	11	49	141	131	32	1
Gorleston	2	32	92	96	99	40	4	0	0	0	3	18	107	104	96	37
Cambridge	3	33	63	82	63	84	35	2	0	0	9	48	112	115	72	9
Birmingham	6	34	87	74	82	67	15	0	0	0	0	29	101	115	105	15
Kew Observatory	0	33	66	90	67	80	27	2	0	0	1	27	87	123	102	25
Hastings	0	28	73	95	80	80	9	0	0	0	0	29	79	112	112	33
Southampton	0	20	45	105	59	103	32	1	0	0	1	37	91	128	90	18
Stonyhurst	0	42	89	78	94	57	5	0	0	0	5	35	111	115	89	10
Bidston Observatory	2	28	95	84	104	48	4	0	0	0	1	22	98	110	122	12
Holyhead (Valley)	0	9	92	101	115	45	3	0	0	0	0	18	71	157	109	10
Falmouth	0	1	63	141	111	49	0	0	0	0	0	8	69	141	128	19
Aldergrove	1	28	99	93	99	44	1	0	0	0	7	40	96	130	87	5
Armagh	1	19	71	115	96	58	5	0	0	0	3	37	126	112	83	4

TABLE IX [First Published 1914].—DISTRIBUTION OF WINDS OF STATED SPEEDS AT ANEMOGRAPH STATIONS, AND MAXIMUM SPEEDS FOR THE YEAR 1959

DISTRICT AND STATION	DISTRIBUTION OF MEAN HOURLY VALUES OF WIND SPEED									Mean Hourly Wind Speed	HIGHEST VELOCITIES								
	34 kt. or more			22 to 33 kt.		11 to 21 kt.	4 to 10 kt.	Less than 4 kt.	No Record		Highest Hourly Wind					Highest Gust			
	No. of Days	Duration 1959	Duration Average	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.	knots	°	kt.	month	day	hour	kt.	month	day	h.	m.
0. Lerwick	40	276	242	176	1603	4204	2178	499	0	15·4	010	50	Oct.	27	23	73	Oct.	28	03	40
Grimsetter	19	129	—	105	811	3854	3202	764	0	12·3	020	46	Oct.	27	06	80	Oct.	27	21	55
Stornoway (C'guard)	51	366	210	167	1303	3480	2236	1375	0	13·7	170	55	Dec.	14	06	84	Feb.	25	16	55
Benbecula	33	187	—	159	1441	3946	2581	605	0	14·3	360	51	Oct.	27	05	74	Dec.	29	23	55
1. Dyce	2	3	7	44	184	2244	3109	3220	0	7·1	200	39	Feb.	27	14	63	Oct.	27	09	00
Bell Rock Lighthouse	36	218	305	160	1388	3444	2361	1349	0	13·3	080	58	Dec.	7	10	83	Oct.	27	10	45
Leuchars	4	32	4	52	272	2160	3271	3025	0	7·5	130	39	Dec.	7	08	53	Dec.	7	07	45
Edinburgh	2	4	—	63	289	2542	3594	2331	0	8·3	210	37	Dec.	17	19	60	Dec.	17	18	10
6a. Tiree	47	284	100	205	1843	3825	1783	1025	0	15·3	360	58	Oct.	27	07	83	Oct.	27	06	20
Millport	13	78	35	92	561	3192	2750	2179	0	10·1	060	44	Nov.	13	13	64	Dec.	29	23	25
Paisley	0	0	—	20	54	1408	4376	2922	0	6·3	270	29	Dec.	29	23	63	Dec.	29	22	35
Renfrew	2	2	5	55	289	2852	3313	2304	0	8·3	080	36	Dec.	7	14	61	Dec.	30	01	45
Prestwick Airport	2	4	11	53	285	3247	4142	1182	0	9·6	250	35	Jan.	1	18	63	Nov.	19	22	10
Eskdalemuir	0	0	27	53	314	1683	3015	3748	0	6·4	200	33	Aug.	14	15	57	{Nov.	13	10	00
																	{Dec.	18	09	20
6b. Point of Ayre	10	45	59	98	673	3571	3323	1148	0	11·2	350	40	Oct.	27	11	69	Nov.	19	22	10
2. Durham	0	0	5	33	169	1684	3605	3230	72	6·5	{330	33	Oct.	27	15	57	Apl.	6	12	45
											{220		Dec.	31	02					
South Shields	3	22	12	32	180	2442	4296	1818	2	8·3	120	39	Dec.	7	07	53	{Oct.	27	13	30
																	{Nov.	13	11	40
Cranwell	2	2	3	36	168	2237	3278	3048	27	7·2	190	34	Dec.	20	18	51	Dec.	18	12	25
3. Mildenhall	0	0	4	18	66	2185	4694	1815	0	7·5	260	29	Oct.	18	06	51	Oct.	18	04	50
Felixstowe	2	5	5	57	287	3411	3451	1606	0	9·7	150	37	Nov.	13	11	59	Oct.	27	07	00
Dunstable	0	0	0·5	10	36	1917	4749	2039	19	7·1	340	30	Oct.	18	04	48	Dec.	20	13	40
Cardington	5	13	17	53	317	2474	3314	2642	0	8·2	200	37	Oct.	27	03	62	Mar.	5	12	15
Stevenage	0	0	0·3	39	189	2901	4221	1449	0	9·0	{200	29	Jan.	22	09	55	{Oct.	27	06	25
											{270		Oct.	18	04		{Dec.	20	12	25
Coryton	0	0	—	9	37	1860	5452	1349	62	7·7	240	28	Oct.	18	04	55	Oct.	27	05	30
Shoeburyness	10	33	25	78	572	3659	3577	919	0	11·0	150	40	Nov.	13	09	59	Oct.	27	03	30
4. Birmingham	0	0	0·8	7	16	1896	5883	953	12	7·7	310	26	Oct.	27	14	50	Dec.	20	17	00
Keele	0	0	0·2	4	11	1325	3955	3404	65	5·8	210	26	Jan.	1	19	54	Apl.	6	20	45
Avonmouth	5	13	—	72	410	2506	2622	3090	119	7·9	250	38	Jan.	2	06	56	{Oct.	27	04	55
																	{Dec.	20	17	20
5. Kingsway	0	0	0	3	7	1033	5220	2500	0	5·9	240	25	Oct.	27	05	50	Oct.	18	03	10
Hampton	0	0	0	10	46	1777	4657	2280	0	6·9	270	30	Oct.	18	03	66	Dec.	20	12	30
Kew Observatory	0	0	0	9	26	2190	4816	1728	0	7·5	{210	25	Jan.	22	10	50	Dec.	20	12	30
											{220		Oct.	27	04					
Isle of Grain	1	1	—	18	88	1823	2937	3757	154	5·9	240	34	Oct.	18	04	59	Oct.	18	03	10
Dover	3	11	15	65	409	3047	3739	1452	102	9·8	210	39	Oct.	27	09	79	Oct.	27	08	45
Thorney Island	1	1	0·8	20	90	1706	3710	3253	0	6·4	180	35	Nov.	13	08	59	{Nov.	13	12	15
																	{Dec.	26	23	15

NOTE: Stations with 500 hours or more defective record have been omitted. These are indicated in Table X by symbols in column " YEAR ".

TABLE IX (*continued*).—DISTRIBUTION OF WINDS OF STATED SPEEDS AT ANEMOGRAPH STATIONS, AND MAXIMUM SPEEDS FOR THE YEAR 1959

DISTRICT AND STATION	DISTRIBUTION OF MEAN HOURLY VALUES OF WIND SPEED										Mean Hourly Wind Speed	HIGHEST VELOCITIES									
	34 kt. or more			22 to 33 kt.		11 to 21 kt.	4 to 10 kt.	Less than 4 kt.	No Record		Highest Hourly Wind						Highest Gust				
	No. of Days	Duration 1959	Duration Average	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.	knots	°	kt.	month	day	hour		kt.	month	day	h.	m.
5. Southampton(Eastleigh)	0	0	—	22	91	2269	4324	2053	23	7·6	180	32	Nov.	13	08		57	{Oct. / Nov.	18 / 13	01 / 07	50 / 25
S. Farnborough ..	0	0	5	8	25	901	3554	4280	0	4·7	270	29	Oct.	18	02		59	Jan.	22	08	20
Abingdon	0	0	0·1	9	20	1845	3663	3332	0	6·2	240	25	Jan.	1	22		52	Dec.	20	13	15
Larkhill	0	0	4	26	93	2265	4549	1853	0	7·7	270	31	Oct.	18	02		59	Oct.	18	01	05
Porton	1	1	—	41	197	2340	3969	2253	0	7·9	200	35	Jan.	22	08		58	Jan.	22	07	35
7a. Sellafield	0	0	10	43	264	2565	3494	2375	62	8·0	110	33	Nov.	19	20		56	Jan.	1	16	45
Southport	10	36	—	60	505	2314	3556	2154	195	8·8	280	47	Dec.	20	18		67	Dec.	20	17	00
Speke	5	8	21	80	474	3359	3501	1418	0	10·1	240	41	Jan.	1	18		62	Oct.	27	12	05
Bidston Observatory ..	1	2	36	38	234	1893	3914	2436	281	—	270	36	Dec.	20	17		65	Dec.	20	16	30
Manchester Airport ..	1	3	10	49	190	3000	4272	1295	0	9·3	170	36	Nov.	19	20		60	Oct.	18	02	20
7b. Holyhead (Valley) ..	16	91	65	113	975	3199	3108	1387	0	11·5	{340 / 240	47	Oct. / Dec.	27 / 20	11 / 14		73	Oct.	27	09	55
8a. Aberporth	11	73	26	109	762	3706	3276	943	0	11·8	320	49	Oct.	27	11		73	Oct.	27	10	50
Milford Haven ..	8	38	5	55	334	2634	3702	1909	143	8·9	{320 / 290	40	Oct. / Nov.	27 / 13	10 / 15		65	Oct.	27	09	10
Port Talbot	3	10	13	59	364	3407	3944	958	77	10·3	—	38	Nov.	13	13		60	{Nov. / Dec.	13 / 20	12 / 11	25 / 35
8b. Plymouth	15	48	44	74	574	2533	3819	1786	0	9·4	—	45	Nov.	13	04		71	Nov.	13	09	40
St. Mary's, Scilly ..	24	181	133	112	1059	3708	3026	769	17	12·9	280	49	Nov.	13	11		68	{Nov. / Dec.	13 / 26	07 / 22	25 / 00
The Lizard	39	247	188	138	1344	3415	2469	1285	0	13·3	180	51	Nov.	19	16		79	{Oct. / Nov.	17 / 13	18 / 03	45 / 45
—. Ballykelly	1	4	—	57	266	2590	3599	2301	0	8·3	350	45	Oct.	27	08		71	Oct.	27	06	25
Aldergrove	4	12	4	64	357	2975	3720	1696	0	9·3	150	47	Nov.	19	21		72	Nov.	19	20	30
Nutts Corner	—	—	—	—	—	—	—	—	—	—	350	45	Oct.	27	09		79	Oct.	27	08	45
—. Jersey Airport ..	24	119	—	108	857	4260	3199	325	0	13·1	250	55	Dec.	26	04		72	Dec.	26	03	35

TABLE X [First Published 1934].—NUMBER OF HOURS IN EACH MONTH OF 1959 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.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
0. Lerwick	200	285	123	80	24	146	20	39	35	121	(151)	258	*	60	49	2	0	0	11	0	0	2	37	(21)	(105)	*
Grimsetter	223	110	90	53	23	66	17	61	20	104	163	176	1106	28	25	2	2	0	5	0	0	4	38	27	95	226
Dounreay	231	119	117	51	34	68	25	(17)	§	111	118	170	§	40	21	6	4	0	0	0	(0)	§	36	20	65	§
Stornoway	140	267	84	89	6	74	47	75	81	103	272	246	1484	18	101	20	6	1	1	0	4	1	29	95	98	374
Benbecula	91	277	145	124	37	133	47	104	53	194	246	233	1684	3	57	30	21	1	6	0	15	0	52	70	72	327
1. Dyce	36	35	1	8	6	8	10	7	0	36	22	40	209	2	2	0	0	0	0	0	0	0	14	0	0	18
Bell Rock	99	53	53	38	5	57	12	38	5	137	117	218	832	17	6	0	1	0	2	0	0	0	33	30	83	172
Rannoch	9	43	*	*	*	51	4	36	*	*	(60)	113	*	1	5	*	*	*	1	0	2	*	*	(7)	15	*
Leuchars	7	52	1	10	3	44	20	45	3	15	58	121	379	0	0	0	0	0	0	0	0	0	0	2	21	23
Edinburgh	19	118	15	42	5	64	17	25	4	50	63	114	536	5	12	0	2	0	1	0	0	0	2	13	24	59
Tiree	179	235	158	124	19	106	58	122	31	216	227	268	1743	24	27	21	21	0	3	2	33	0	52	53	110	346
6a. Millport	29	35	41	39	14	26	19	39	0	121	93	136	592	6	1	0	0	0	1	1	0	0	3	28	34	74
Paisley	9	57	3	36	6	43	14	45	0	32	54	96	395	4	5	0	2	0	1	0	1	0	1	4	14	32
Renfrew	16	63	2	48	15	47	8	43	0	32	50	90	414	4	3	0	2	0	0	0	1	0	1	7	13	31
Prestwick	22	26	5	26	2	9	4	14	0	47	52	89	296	4	0	0	1	0	0	0	1	0	1	4	7	18
Eskdalemuir	40	71	14	56	21	56	31	30	2	69	58	160	608	1	6	0	1	0	1	0	7	0	7	3	17	43
6b. Point of Ayre ..	59	54	25	47	8	22	20	42	6	116	89	183	671	6	1	0	5	0	0	0	0	0	15	13	26	66
2. Durham	60	50	3	47	1	11	17	15	4	86	33	119	446	7	5	0	1	0	0	0	0	0	10	2	16	41
South Shields ..	20	14	0	19	0	10	2	3	3	33	27	79	210	0	0	0	0	0	0	0	0	0	3	4	7	14
Spurn Head	*	5	5	33	1	10	0	*	*	*	69	†	*	*	0	0	0	0	0	0	*	*	*	4	†	*
Cranwell	39	9	14	36	1	14	27	3	0	35	16	98	292	0	0	0	1	0	0	0	0	0	0	0	4	5
3. Gorleston	§	§	§	§	§	§	§	§	§	§	*	*	§	§	§	§	§	§	§	§	§	§	§	*	*	§
Mildenhall	31	2	6	22	1	5	8	0	0	42	24	81	222	2	0	1	0	0	0	0	0	0	3	1	0	7
Felixstowe	55	0	8	56	13	13	22	3	0	54	23	94	341	3	0	0	2	0	0	0	0	0	13	3	1	22
Dunstable	6	0	0	0	0	0	0	0	0	2	1	65	74	0	0	0	0	0	0	0	0	0	0	0	1	1
Cardington	52	1	29	57	1	11	14	3	0	31	(27)	112	†	7	0	1	0	0	0	0	0	0	7	0	11	26
Stevenage	47	3	21	54	2	7	11	0	0	34	18	101	298	3	0	0	0	0	0	0	0	0	4	1	4	12
Coryton	74	0	10	25	0	7	0	2	0	29	22	56	225	5	0	0	0	0	0	0	0	0	12	1	0	18
Shoeburyness	79	2	18	32	8	8	14	0	1	39	43	136	380	5	0	0	0	0	0	0	0	0	12	4	5	26
4. Sheffield	24	17	1	22	0	10	†	1	†	†	†	†	†	1	0	0	1	0	0	†	0	†	†	†	†	†
Birmingham ..	11	0	3	23	0	0	0	0	0	11	15	32	95	1	0	0	0	0	0	0	0	0	2	0	1	4
Keele	7	9	14	27	6	1	2	3	0	16	16	70	171	1	0	0	2	0	0	0	0	0	1	0	1	5
Avonmouth	30	2	15	25	4	6	8	0	0	29	39	82	240	1	0	2	0	0	0	0	0	0	4	7	10	24
5. Kingsway	9	0	0	0	0	0	0	0	0	19	5	20	53	0	0	0	0	0	0	0	0	0	2	0	0	2
Hampton	46	1	20	24	1	6	2	0	0	27	10	64	201	4	0	1	0	0	0	0	0	0	4	0	2	1
Kew Observatory ..	46	1	23	24	10	14	7	0	0	27	5	58	215	1	0	1	0	0	0	0	0	0	3	0	3	8
Isle of Grain	65	1	11	14	9	2	3	0	0	26	14	43	188	6	0	0	0	0	0	0	0	0	8	0	0	14
Dungeness	‡	‡	‡	‡	*	10	*	*	*	*	§	‡	‡	‡	‡	‡	‡	*	0	*	*	*	*	*	§	‡
Dover	131	12	27	62	35	26	48	1	2	92	112	206	754	18	0	0	1	0	1	0	0	0	17	20	16	73
Thorney Island ..	48	0	10	15	8	7	4	0	0	47	31	117	287	3	0	0	0	0	0	0	0	0	10	6	6	25
Southampton	39	1	21	25	3	6	2	0	0	27	15	89	228	4	0	0	0	0	0	0	0	0	4	2	0	10
South Farnborough ..	28	0	9	5	0	1	0	0	0	25	11	52	131	2	0	0	0	0	0	0	0	0	5	1	2	10
Abingdon	17	1	17	23	1	7	8	1	0	12	10	32	129	0	0	0	0	0	0	0	0	0	1	0	1	2
Larkhill	40	1	22	34	6	6	1	1	0	26	22	97	256	3	0	0	0	0	0	0	0	0	3	1	0	7
Porton	35	7	27	27	9	2	0	0	0	24	18	67	216	4	0	0	0	0	0	0	0	0	1	1	1	7
7a. Sellafield	24	3	4	22	5	27	6	21	0	60	44	110	326	1	0	0	0	0	0	0	0	0	4	0	1	2	2	10
Moor House	107	*	89	*	79	112	63	49	2	85	94	(206)	*	6	*	2	25	1	8	2	1	0	6	10	(27)	*
Southport	41	3	5	53	6	32	52	9	0	107	17	89	414	4	0	0	1	0	0	0	0	0	7	0	11	23
Speke	34	38	18	81	13	21	21	15	2	77	38	143	501	4	0	2	6	0	0	0	0	0	8	5	19	44
Bidston	49	†	7	73	16	49	58	16	0	108	42	(137)	†	5	†	0	6	0	0	0	0	0	14	3	(31)	†
Manchester	11	15	16	40	28	12	1	7	0	42	37	101	310	0	0	0	1	0	0	0	0	0	1	5	2	9
7b. Holyhead (Valley) ..	67	21	40	78	6	32	22	29	3	118	74	207	697	8	0	0	5	0	1	0	8	0	23	10	23	78
8a. Aberporth	160	49	90	139	6	44	42	16	8	154	127	299	1134	19	0	1	3	0	0	0	2	0	40	20	59	144
Kete	†	†	†	†	†	23	8	†	0	202	†	†	*	†	†	†	†	†	0	0	†	0	46	†	†	†
Milford Haven ..	91	1	22	49	1	19	13	20	0	(75)	(100)	250	*	11	0	1	0	0	0	0	0	0	(39)	30	49	*
Port Talbot	56	16	27	47	3	0	0	4	0	41	37	150	381	8	0	0	0	0	0	0	0	0	4	14	13	39
8b. Plymouth	74	13	50	27	3	2	0	1	*	47	79	(76)	*	5	0	4	0	0	0	0	0	*	11	14	(6)	*
Scilly Isles	209	36	97	109	0	37	15	7	4	104	136	355	1109	39	0	8	4	0	0	0	0	0	39	46	98	234
Lizard	301	68	131	127	3	26	5	12	16	115	157	389	1350	65	1	25	4	0	0	0	0	0	27	39	120	281
—. Ballykelly	22	69	47	63	5	47	11	65	1	84	96	126	636	4	2	0	9	0	0	0	3	0	22	17	9	66
Aldergrove	10	22	20	39	4	40	8	31	0	51	71	90	386	2	0	0	2	0	0	0	10	0	12	9	1	36
Nutts Corner	8	12	15	34	3	12	2	15	0	35	53	83	272	0	0	0	2	0	0	0	2	0	8	10	3	25
—. Jersey Airport	159	25	58	54	2	0	10	0	8	98	151	288	853	35	0	1	0	0	0	0	0	0	22	22	68	148

* Defective record. † Record incomplete. ‡ Anemograph out of order. § Anemograph dismantled for re-erection.

TABLE XI [First Published 1900].—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
		Hour ended at	Direction	Speed	Time	Speed	
			°	kt.	h. m.	kt.	
0. Lerwick ..	Jan. 9	02	040	44	01 15	64	02–04, 07–09
	11	10	020	48	10 00	72	07–20
	Feb. 16	08	220	41	08 05	55	07–11
	19	14	250	43	15 20	60	08–19
	Oct. 27	23	010	50	21 25	72	04–24
	28	01	010	50	03 40	73	01–15
	Nov. 8	21	210	43	19 55	58	11–23
	Dec. 30	10	280	46	09 50	68	01, 02, 05–16
Grimsetter ..	Oct. 27	06	020	46	21 55	80	04–24
	28	05	340	43	02 45	70	01–14
	Dec. 7	03	140	41	06 20	65	01–24
	30	05	270	44	05 45	70	01–13
Dounreay ..	Dec. 6	24	120	45	23 05	66	23, 24
	7	09	120	49	06 50	74	01–15, 17, 18, 20–23
	29	19	160	48	18 55	71	14, 16–22, 24
	30	06	290	47	01 55	85	01–11
Stornoway ..	Feb. 13	23	190	45	22 40	58	03–07, 09–24
	14	04	190	47	04 00	64	01–07
	17	21	200	43	20 35	57	11, 13, 15, 21–23
	26	13	200	45	12 30	73	06, 08–14
	27	10	200	47	19 40	66	07–24
	Oct. 27	05	030	45	16 20	77	04–13, 16–19, 23, 24
	Nov. 2	10	170	45	11 05	71	03, 05–13
	8	14	190	45	13 40	68	07–16
	20	09	180	51	07 30	70	03–20, 22
	25	12	160	42	12 25	57	09–17
	Dec. 2	08	160	51	07 25	72	02–10
	7	23	090	42	23 20	59	03–11, 13, 17, 20–24
	14	06	170	55	05 35	83	01–09
	18	07	300	43	05 45	65	04–11
	29	24	260	49	22 20	74	14–17, 19, 20, 23, 24
	30	01	270	50	00 35	77	01–10
	31	11	190	41	10 15	62	08–16
Benbecula ..	Feb. 26	12	190	43	11 05	62	10–13
	Oct. 25	04	280	44	04 05	65	03–06
	27	05	360	51	04 50	74	04–24
	28	01	340	42	01 10	63	01, 02, 04, 05, 07
	Nov. 2	11	210	42	10 50	68	07–13
	8	13	190	41	15 05	63	06–16
	Dec. 2	06	150	43	06 40	63	03–08
	14	06	190	46	06 20	75	01–08
	18	08	320	42	08 00	66	03–11
	29	23	260	49	23 55	79	12–17, 21–24
	30	01	260	48	02 25	76	01–09
1. Bell Rock ..	Jan. 1	21	250	45	16 55	62	16–24
	Oct. 27	12	310	54	10 45	83	11–19
	Nov. 18	18	030 }	43	18 00	58	04, 07–22
	18	19	040 }				
	19	23	100	45	21 00	56	19–24
	Dec. 6	24	090	45	23 35	59	21–24
	7	10	080	58	09 05	71	01–24
	8	02	060	43	01 05	55	01–24
	9	02 }	070	41	02 55	54	01–12
	9	03 }					
	17	20	180	47	18 40	62	10, 14–24
	19	23	190	42	22 15	54	22–24
	29	18	110	45	17 15	58	16–20, 23, 24
	30	02	210	43	03 20	65	01–05, 07
	31	08	180	41	16 55	55	05, 06, 08, 17
6a. Tiree	Oct. 27	07	360	58	06 20	83	06–24
	28	02	330	44	00 50	69	01–08, 11
	Nov. 14	11	360	41	09 50	57	04–16
	19	24	150	47	21 50	68	20–24
6a Tiree—*contd.* ..	Nov. 20	03	180	48	00 40	72	01–10
	Dec. 2	05	160	46	04 50	63	01–09
	8	22	110	42	21 35	58	01, 06, 18–24
	14	06	190	43	00 45	66	01–08
	29	14	140	52	13 50	72	09–16, 19–24
	30	01	270	44	01 10	70	01–08, 23, 24
Millport ..	Nov. 13	13	060	44	13 10	62	08–18, 20–22
2. Spurn Head ..	Nov. 13	11	130	41	10 25	54	07–13
7a. Moor House ..	Apl. 26	09	280	42	07 40	58	01–04, 07–12
Southport ..	Oct. 27	12	340	45	11 50	60	01–03, 05, 07–09, 11–15, 17–19
	Dec. 20	18	280	47	17 00	67	15–19
Speke Airport ..	Jan. 1	18	240	41	17 25	60	17–19
7b. Valley	Jan. 1	17	230	41	17 30	59	14–19
	Oct. 27	11	340	47	09 55	73	01–08, 10–18, 23
	Nov. 19	19	170	41	19 45	61	18–23
	Dec. 20	14	240	47	13 30	60	09, 11–17
	26	23	230	43	22 35	60	08, 20–24
	27	03	230	45	02 15	63	01–11
8a. Aberporth ..	Jan. 2	15	300	46	13 15	69	04, 05, 13–17
	Oct. 27	11	320	49	10 50	73	01–24
	28	01	320	42	02 40	64	01–12
	Nov. 13	16	260	42	15 20	63	03, 04, 14–20
	Dec. 20	16	270	41	15 00	65	15–17
Kete	Oct. 27	08	260	46	09 25	78	01–17, 24
	Nov. 13	08	200	47	07 15	72	03–17
8b. Plymouth Hoe	Mar. 4	19	—	44	18 45	60	18–20
	Nov. 13	04	—	45	09 40	71	03–05
	19	17	—	43	12 00	59	11, 13–19
Scilly Isles ..	Jan. 1	24	270	42	23 55	58	18–24
	2	09	300	47	07 55	65	01–16
	Oct. 17	18	310	45	17 35	65	18–20
	27	06	300	41	05 40	67	01–12, 14–20
	Nov. 13	11	280	49	07 25	68	04–19, 21–24
	Dec. 7	24	290	41	22 15	56	21–24
	8	03	280	42	05 10	57	01–16
	20	11	260	41	07 55	65	08, 10–15
	26	23	250	41	22 00	68	03–08, 16–24
	27	24	290	43	12 55	59	01–03, 10–14, 20–24
	28	01	290	41	03 55	58	01–06
The Lizard ..	Jan. 1	24	250	45	23 45	61	15–24
	2	09	280	45	08 15	75	01–11, 15–17
	20	21	270	41	19 45	57	13–24
	22	06	250	42	05 20	59	04–14
	Oct. 17	20	310	42	18 45	79	15–17, 19–22
	27	06	290	46	05 50	72	01–14, 18
	Nov. 13	14	270	50	03 45	79	02–23
	19	16	180	51	15 15	72	12–18
	Dec. 7	08	120	43	08 05	59	03–10, 24
	8	01	280	41	00 40	54	01–15
	20	13	270	42	09 35	65	04, 08–16
	26	04	260	41	05 35	68	04–09, 12, 18–24
	27	24	280	45	13 30	60	01–03, 11–14, 19–24
	28	01	280	44	00 20	60	01–06
—. Ballykelly ..	Oct. 27	08	350	45	06 25	71	07–10
Aldergrove ..	Nov. 19	21	150	47	20 30	72	20–24
Nutts Corner ..	Oct. 27	09	350	45	08 45	79	—
—. Jersey Airport ..	Oct. 17	22	250	48	22 25	67	18, 20–24
	27	06	230	44	05 25	64	04–10, 12
	Dec. 26	04	250	55	03 35	72	03–07, 16–23
	27	24	260	42	20 10	70	02, 15, 17, 23, 24
	28	05	270	46	02 40	66	01–13

TABLE XII [First Published 1908].—DATES ON WHICH GUSTS OF 48 KNOTS OR MORE OCCURRED IN 1959

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
0. Lerwick	Jan. 2, 3, 5, 6, 9, 11, 12, 19–21, 23, 24. Feb. 14, 16, 18–21, 23, 25,26 28. Mar. 31. June 7, 14, 16, 17. Sept. 22. Oct. 23, 24, 27, 28. Nov. 2, 8, 17, 20. Dec. 2, 5–9, 14, 23, 26, 29, 30.
Grimsetter	Jan. 9, 11, 19, 23. Feb. 19, 20, 25, 26. Mar. 10. Apl. 6. June 16. Sept. 22. Oct. 22, 24, 27, 28. Nov. 2, 8, 9, 17–20. Dec. 2, 6–9, 14, 18, 29, 30.
Dounreay	Jan. 2, 3, 5, 8–12, 23, 24. Feb. 19, 20, 25, 26. Mar. 9, 10, 13, 14. Apl. 6, 7. Oct. 6, 24, 25, 27, 28. Nov. 2–4, 8, 18–20, 25. Dec. 6–9, 14, 18, 29, 30.
Stornoway	Jan. 11, 12, 20, 21, 23. Feb. 11, 13–20, 24–28. Mar. 1, 13, 14, 31. Apl. 2, 5, 6, 30. May 2. June 17. Aug. 15. Sept. 28. Oct. 23–25, 27, 28. Nov. 2, 8, 13, 14, 18–20, 22, 23, 25–28. Dec. 2, 3, 7–9, 13, 14, 16–19, 29–31.
Benbecula	Jan. 1, 23. Feb. 13, 14, 19, 20, 25–27. Mar. 1, 9, 10, 12, 13, 14, 29. Apl. 4, 6, 15, 26. May 2. June 7, 8, 17. Aug. 14, 15, 16. Oct. 19, 21–28. Nov. 2, 3, 8, 9, 14, 18–20, 25. Dec. 2, 7, 13, 14, 16–18, 29–31.
1. Dyce	Jan. 1. Feb. 20, 27. Oct. 27, 28.
Bell Rock	Jan. 1, 11. Feb. 20, 25, 26. Apl. 5. June 17. Oct. 17–19, 25, 27, 28. Nov. 8, 9, 13, 18–20. Dec. 6–9, 17,–19, 29–31.
Rannoch	Jan. 1. Feb. 20, 25, 26. June 17. Aug. 15. Nov. 13, 14, 19, 20. Dec. 7, 17, 19, 29, 30.
Leuchars	Nov. 13, 18. Dec. 6, 7, 17, 19, 29, 30.
Edinburgh	Jan. 1. Feb. 14, 20, 25–28. Apl. 5, 6. June 8. Oct. 23, 27. Nov. 2, 8, 19, 20, 22. Dec. 17, 29–31.
6a. Tiree	Jan. 1, 8, 11, 12, 23, 26. Feb. 9, 13, 14, 16, 20, 23, 25–27. Mar. 9, 10, 13, 14, 29. Apl. 4, 5, 6, 7, 15, 26. June 7, 17. July 8, 12. Aug. 14, 15, 27. Oct. 21–28. Nov. 2, 8, 9, 13, 14, 19, 20, 25, 26. Dec. 2, 3, 6–9, 13, 14, 17–19, 28–31.
6a. Millport	Jan. 1. Feb. 20. June 17. July 12. Oct. 27. Nov. 13, 18–20. Dec. 2, 6–8, 17, 29, 30.
Paisley	Jan. 1. Feb. 20, 26. Apl. 6. June 17. Aug. 14. Oct. 27. Nov. 8, 19, 20. Dec. 7, 17–19, 29, 30.
Renfrew	Jan. 1. Feb. 20, 26. Apl. 6. Aug. 14. Oct. 27. Nov. 2, 13, 19, 20. Dec. 7, 8, 17–19, 29, 30.
Prestwick	Jan. 1. Apl. 6. Aug. 14. Oct. 27. Nov. 19, 20. Dec. 7, 29, 30.
Eskdalemuir ..	Jan. 1. Feb. 20, 25. Apl. 26. June 8. Aug. 14. Oct. 23, 27. Nov. 13, 19. Dec. 7, 17, 18, 29, 30.
6b. Point of Ayre ..	Jan. 1. Feb. 27. Apl. 6, 25. Oct. 26, 27. Nov. 13, 19. Dec. 6–8, 18, 20, 29, 30.
2. Durham	Jan. 1. Feb. 25, 26. Apl. 6. Oct. 23, 25, 27. Nov. 19. Dec. 17, 18, 29–31.
South Shields ..	Oct. 27, 28. Nov. 13. Dec. 6, 7.
Spurn Head ..	Nov. 13. Record incomplete.
Cranwell	Apl. 6. Dec. 18, 20, 26.
3. Gorleston	Anemograph dismantled.
Mildenhall	Jan. 1. Mar. 5. Oct. 18, 26, 27. Nov. 13.
Felixstowe	Jan. 2, 9. Apl. 6, 8. Oct. 18, 27. Nov. 13. Dec. 4.
Dunstable	Dec. 20.
Cardington	Jan. 1, 21, 22. Mar. 5. Oct. 18, 26, 27. Dec. 20, 27.
Stevenage	Jan. 22. Oct. 18, 27. Nov. 13. Dec. 20.
Coryton	Jan. 22. Oct. 18, 27. Nov. 13.
Shoeburyness ..	Jan. 1, 22. Oct. 17, 18, 27. Nov. 13. Dec. 20, 26.
4. Sheffield	Jan. 1. Apl. 7. Record incomplete.
Birmingham ..	Jan. 1. Oct. 27. Dec. 20.
Keele	Jan. 1. Apl. 6, 7. Oct. 27. Dec. 27.

TABLE XII (*continued*).—[First Published 1908].—DATES ON WHICH GUSTS OF 48 KNOTS OR MORE OCCURRED IN 1959

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
4. Avonmouth ..	Jan. 2. Mar. 4, 6. Oct. 18, 26, 27. Nov. 13, 19. Dec. 17, 20, 25–27, 29.
5. Kingsway	Oct. 18, 27.
Hampton	Jan. 22. Mar. 5. Oct. 18, 27. Dec. 20.
Kew Observatory ..	Jan. 22. Mar. 5. Oct. 17, 18, 27. Dec. 20.
Isle of Grain ..	Jan. 22. Oct. 18, 27.
Dungeness	Anemograph out of order.
Dover	Jan. 1, 2, 20–22. Apl. 30. June 8. Oct. 17, 18, 26, 27. Nov. 9, 13, 14. Dec. 20, 22, 23, 25–27.
Thorney Island ..	Jan. 1, 2, 22. Oct. 17, 18, 27. Nov. 13, 18. Dec. 26, 27.
Southampton ..	Jan. 22. Oct. 17, 18. Nov. 13.
S. Farnborough ..	Jan. 22. Oct. 17, 18, 27. Nov. 13. Dec. 20.
Abingdon	Oct. 27. Dec. 20.
Larkhill	Jan. 1, 22. Oct. 18, 27. Nov. 13.
Porton	Jan. 22. Oct. 18. Nov. 13. Dec. 20.
7a. Sellafield	Jan. 1. Aug. 14. Oct. 26. Nov. 19. Dec. 8.
Moor House ..	Jan. 1, 12. Feb. 19, 20, 24–27. Mar. 14. Apl. 5, 6, 7, 25, 26. May 3. June 7, 8. July 2, 3. Aug. 14. Oct. 19, 26, 27. Nov. 2, 4, 8, 19. Dec. 6, 7, 8, 17, 18, 27, 29, 30, 31.
Southport	Jan. 1. Apl. 7. Oct. 18, 27. Dec. 20, 27.
Speke	Jan. 1, 2. Mar. 5, 27. Apl. 6, 7. Oct. 18, 27. Nov. 9, 19. Dec. 7, 8, 17, 18, 20, 27.
Bidston	Jan. 1. Apl. 6, 7. Oct. 18, 19, 24, 27. Nov. 13, 19. Dec. 7, 8, 18, 20, 26, 27, 29, 30.
7a. Manchester	Apl. 6. Oct. 18. Nov. 19. Dec. 7, 20.
7b. Holyhead (Valley) ..	Jan. 1, 2. Apl. 6, 25. June 8. Aug. 14. Oct. 21, 26–28. Nov. 8, 9, 19. Dec. 17, 20, 22, 26, 27.
8a. Aberporth	Jan. 1, 2, 11, 26. Mar. 4. Apl. 6. Aug. 14. Oct. 17, 27, 28. Nov. 13, 14, 19, 25. Dec. 2, 6–8, 15–18, 20, 22, 25–29, 31.
Kete	Oct. 17, 18, 21, 26–28. Nov. 8, 9, 13–15. Record incomplete.
Milford Haven ..	Jan. 1, 2, 20. Mar. 4. Oct. 17, 26–28. Nov. 9, 13, 14, 19. Dec. 7, 17, 18, 20, 22, 25–28.
Port Talbot ..	Jan. 1, 2, 11, 21. Oct. 17, 26, 27. Nov. 13, 19. Dec. 7, 8, 17, 18, 20, 25–27.
8b. Plymouth	Jan. 1, 2, 20, 22. Mar. 4, 5, 6. Oct. 17, 27. Nov. 13, 18, 19. Dec. 6, 26.
Scilly Isles	Jan. 1–4, 6, 7, 20, 22. Mar. 4, 5, 6. Apl. 14. Oct. 17, 18, 27, 28. Nov. 13–15, 18, 19. Dec. 3, 7, 8, 17, 18, 20, 22, 23, 25–28.
Lizard	Jan. 1–4, 6, 7, 17–22, 31. Feb. 4. Mar. 4, 5, 6, 30. Apl. 6, 8, 14. Oct. 17, 26–28. Nov. 9, 13, 14, 18, 19, 25. Dec. 3, 4, 6–8, 10, 15–18, 20, 22, 23, 25–28.
—. Ballykelly	Jan. 1, 2. Feb. 26, 27. Apl. 6, 7, 15. Aug. 14. Oct. 27, 28. Nov. 8, 13, 14, 19, 20. Dec. 2, 8, 17, 19, 29, 30.
Aldergrove	Jan. 1. Apl. 6. Aug. 14. Oct. 27, 28. Nov. 13, 19, 20. Dec. 29.
Nutts Corner ..	Apl. 6, 14. Aug. 14. Oct. 27. Nov. 13, 19, 20. Dec. 6, 7, 29.
—. Jersey Airport ..	Jan. 1–4, 6, 7, 20, 22. Mar. 4. Oct. 17, 18, 27, 28. Nov. 13, 14, 18. Dec. 3, 4, 7, 8, 18, 20, 22, 23, 25–28.

TABLE XIII—SOLAR RADIATION AND INTENSITY OF DAYLIGHT FOR THE YEAR 1959

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	835	26 June	3	1, 8 Dec.	220·8	365	418	29 June	2	1 Dec.	134·9	363	949	26 June	4	1, 6, 8 Dec.	260·2	356
Eskdalemuir ..	846	14 June	6	13 Dec.	243·6	365	393	10 July	5	13 Dec.	141·3	364	821	14 June	7	9 Dec.	239·9	365
Cambridge ..	882	20 June	12	4 Dec.	301·7	357	399	23 June	10	4 Dec.	152·3	345	—	—	—	—	—	—
Kingsway ..	923	14 June	6	12 Dec.	291·3	361	478	6 June	6	12 Dec.	157·5	360	912	4, 5 June	12	14 Jan.	303·7	354
Kew	796	14 June	4	14 Jan., 12 Dec.	262·1	365	353	29 May	3	14 Jan.	131·9	364	895	17 June	5	14 Jan.	288·2	365
Aberporth ..	882	17 June	15	16 Dec.	324·6	365	444	30 May	15	16 Dec.	170·6	365	—	—	—	—	—	—

Explanatory notes on the tables are given in the Introduction.

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