

# THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1933.



AIR MINISTRY, METEOROLOGICAL OFFICE, LONDON. W.C.2.



# INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the "British Section."

## NOTES REGARDING THE BRITISH SECTION.

**Description of each issue:**—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

(a) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of "yesterday," and at 1h. and 7h. G.M.T. of "to-day" from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table; in other cases, code figures are entered; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(b) Observations made at nine London Stations during the 24 hours ending 7h. or 9h.

(c) Table of atmospheric pollution for "yesterday" for South Kensington and Kew Observatory.

(d) Observations for "yesterday evening" and "this morning" from five capital cities on the Continent of Europe.

(e) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

(f) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(g) A "general inference" drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(h) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(i) A "further outlook," i.e. an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(j) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous. Those for most of Europe (excluding Russia) and neighbouring countries refer to 7h. G.M.T., exceptions being:—Bulgaria, Austria, Hungary, Greece, Turkey, Egypt, Sudan, Cyprus, Palestine, Syria (6h. G.M.T.) Azores (8h. G.M.T.). The Greenland observations shown are made at 0h. G.M.T. with the exception of these for Mygbugten, Jonsbu, Storfjord, and Torgilstu which are for 7h. G.M.T.; while those for North America are made at 1h. G.M.T.

In the case of ships at sea, the hour of observation for vessels east of 40° W. is 6h. G.M.T. while that for vessels west of 40° W. is 0h. G.M.T.

Thus, within each of the two sectors 40° W. to 170° W. and 30° E. to 40° W., the observations are approximately synchronous among themselves though most of those in the western sector refer to an epoch 6 hours earlier than do most of those in the eastern sector.

The observations shown for Russia and Siberia are especially to be noted from this standpoint of time. They are made at 7h. local time which implies that the absolute time to which they refer varies over a wide range, viz.; from 5h. G.M.T. in the longitude of Leningrad (35° E.) to 19h. G.M.T. of the previous day in longitude 180° E.

The map on the following page shows graphically the hours of observation over the various parts of the weather chart for the Northern Hemisphere.

**Wind:**—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers by the use of this table. At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are "true" or geographical, as distinguished from "magnetic."

**Gale warnings:**—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

## THE INTERNATIONAL AND UPPER AIR SECTIONS.

The other two sections of the Daily Weather Report are Royal quarto in size.

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The "International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows:—

(a) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(b) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(c) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(d) Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

**Upper Air Section:**—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and is issued in the same manner as the International Section. It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and on the Continent of Europe.

## THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 40 feet above ground.
0	Calm	Calm; smoke rising vertically	Less than 1
1	Light air	Direction of wind shown by smoke drift	1-3
2	Slight breeze	Wind felt on face; leaves rustle	4-7
3	Gentle breeze	Leaves and small twigs in constant motion; wind extends light flag	8-12
4	Moderate breeze	Raises dust and loose paper; small branches are moved	13-18
5	Fresh breeze	Small trees in leaf begin to sway; crested wavelets on inland waters	19-24
6	Strong breeze	Large branches in motion; whistling heard in telegraph wires	25-31
7	Moderate gale	Whole trees in motion; inconvenience felt when walking against wind	32-38
8	Fresh gale	Breaks twigs off trees; generally impedes progress	39-46
9	Strong gale	Slight structural damage occurs (chimney pots and slates removed)	47-54
10	Whole gale	Seldom experienced inland; trees uprooted	55-63
11	Storm	Very rarely experienced; accompanied by widespread damage	64-75
12	Hurricane		Above 75

## GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted. The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point.

For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply:—

▲ North Cone hoisted:

▼ South Cone hoisted:

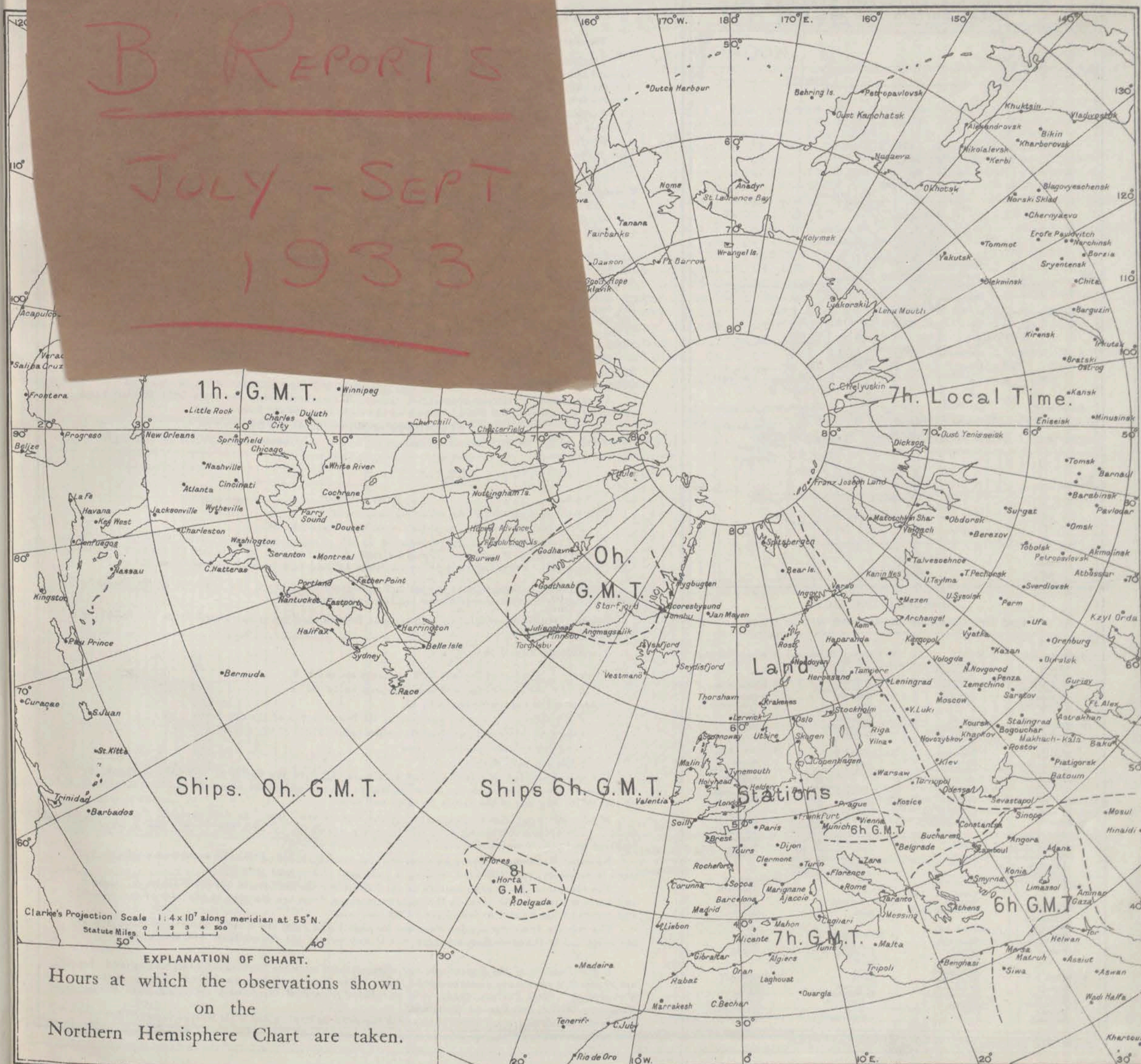
The time or times of issue of the gale warning telegrams is shown below the "further outlook" on page 2 of the Report.



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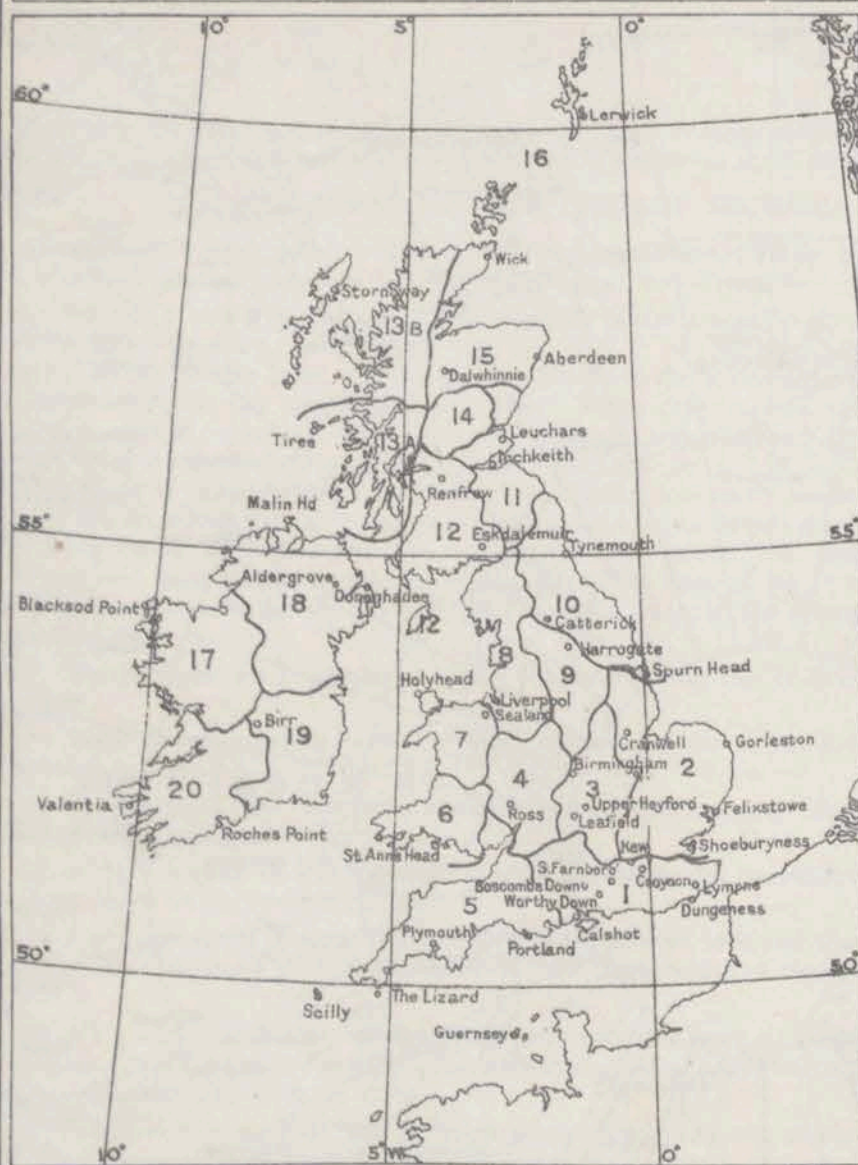
B REPORTS

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1933





# FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



## FORECAST DISTRICTS and the Counties comprised within them.

1. England, S.E. Kent. Sussex. Surrey. Hampshire. Berkshire. Wiltshire.	6. Wales, S. Glamorgan. Brecknock. Carmarthen. Pembroke. Cardigan. Radnor.	12. Scotland, S.W., and Isle of Man. Isle of Man. Dumfries. Kirkcudbright. Wigtown. Ayr. Lanark. Renfrew. Dumbarton. Stirling.	18. Orkneys and Shetlands.
2. England, E. Essex. Middlesex. Hertford. Bedford. Huntingdon. Cambridge. Suffolk. Norfolk. Lincoln.	7. Wales, N. Montgomery. Merioneth. Flint. Denbigh. Carnarvon. Anglesey.	13A. Scotland, W. Argyll. Bute.	17. Ireland, N.W. Galway. Roscommon. Mayo. Sligo. Leitrim.
3. Midlands, E. Buckingham. Oxford. Northampton. Warwick. Leicester. Rutland. Nottingham.	8. England, N.W. Cheshire. Lancashire. Westmorland. Cumberland.	13B. Scotland, N.W. Hebrides. Western parts of Inverness, Ross and Cromarty, Sutherland. (Boundary line runs from Rannoch Station through Fort Augustus, Beaulieu and Lairg to Melville).	18. Ireland, N.E. Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.
4. Midlands, W. Gloucester. Hereford. Worcester. Shropshire. Stafford.	9. Midlands, N. Derby. Yorkshire, W.	14. Mid. Scotland. Perth.	19. Ireland, S.E. Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Leix. Kildare. Dublin.
5. England, S.W. Dorset. Somerset. Monmouth. Devon. Cornwall.	10. England, N.E. Yorkshire, N. & E. Durham. Northumberland.	15. Scotland, N.E. Kincairdine. Aberdeen. Banff. Elgin. Nairn. Caithness. Eastern parts of Inverness, Ross, Sutherland.	20. Ireland, S.W. Cork. Kerry. Limerick. Tipperary. Clare.

## NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

**Standard of Time.**—Greenwich Mean Time is exclusively used throughout the Report.

**Stations.**—*Kew.*—Temperature readings at Kew are taken in a large louvered screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

*Valentia.*—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

*Renfrew.*—As from 1800 hours on 26th February, 1933, the observations for Renfrew have been taken from a new site on an aerodrome called "Abbottsinch," which is less than a mile distant from the former site.

*Lerwick.*—The telegraphic reporting station at Lerwick, which is under the care of H.M. Coastguard, was moved from Fort Charlotte to the Knab on 16th September, 1932. The exposure for wind at the Knab is considerably superior to that at Fort Charlotte.

**Heights of Stations.**—The heights of British Stations above M.S.L. refer to the plot of ground on which the rain gauge is situated.

**Pressure.**—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on page 2 of the Report and for intervals of 4 millibars on Page 3.

The wind at a height of 1,500-2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

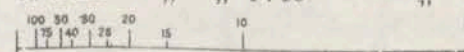
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the scale from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

### GEOSTROPHIC WIND SCALE FOR

8 mb isobars on 1: 4 × 10<sup>7</sup> Charts.

or 2 mb " " 1: 10<sup>7</sup> " "



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 50° F. Latitude, 55°.

**Corrections.**—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F. add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree above 55°. From Latitude 55° to Latitude 45° add 1½% for each degree below 55°.

**Temperature.**—Temperature is specified in degrees Fahrenheit, and is shown on the charts by means of figures written alongside the positions of the stations.

**Relative Humidity.**—Relative Humidity at British stations is calculated from the following hygrometric formulæ:—

$$\text{Relative humidity} = \frac{100x}{F}$$

$$x = f - .444(t - t') \text{ for wet bulb readings above } 32^\circ \text{ F.}$$

$$x = f - .400(t - t') \text{ for wet bulb readings below } 32^\circ \text{ F.}$$

where  $x$  is the vapour pressure in mb.:

$f$  the saturation vapour pressure at the temperature of the dry bulb;

$f'$  the saturation vapour pressure at the temperature of the wet bulb;

$t$  the dry bulb temperature; and

$t'$  the wet bulb temperature.

The values printed in columns 7 and 21 always end with the figure 5. By this it should be understood that a value of 95, for example, stands for any one of the values 90 to 100; a value of 85 stands for any one of the values 80 to 89 and so on.

**Wind.**—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. The number of feathers on the arrows denotes wind force by Beaufort number.

**Adjusted Readings.**—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted.

The reports from the London Stations on page 1 and from the Health Resorts on page 2 are not subjected to the same close scrutiny, but if any errors are found these are also noted.

**N.B.**—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 3s. 2d. post free.

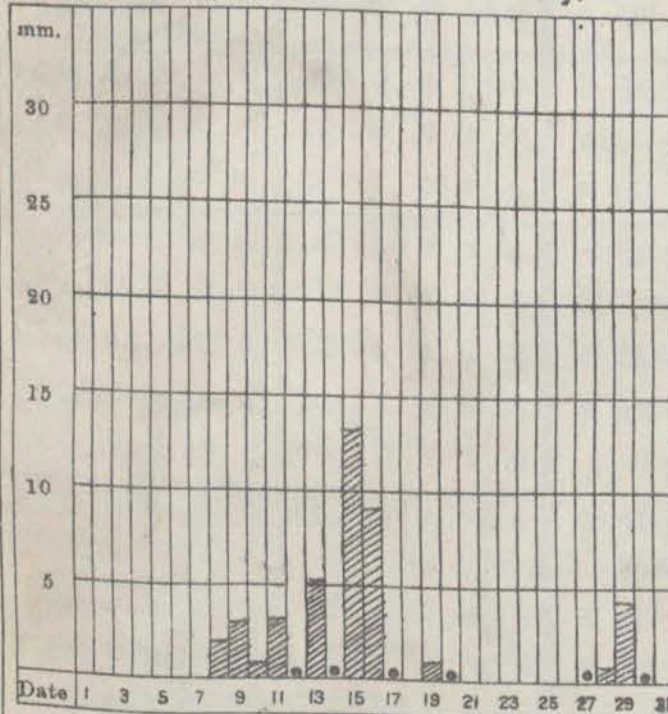
Corrections and additions can be obtained, if required, on application to the Meteorological Office.



## Warm and Sunny.

The noteworthy features of the month were the high maximum temperatures, the excess of sunshine everywhere except on the western coasts and a general deficiency of rain except in Scotland where the precipitation locally was excessive. Anticyclonic conditions prevailed over the British Isles during the opening days of the month with dry and sunny weather almost everywhere. The maximum temperature of 85°F at Eskdalemuir on 5th was the highest recorded since records commenced in 1910. A depression off Ireland on 7th was absorbed by a more vigorous disturbance which moved from south of Greenland to a position between Iceland and Scotland; its secondaries frequently crossed the country. Thunderstorms occurred in Ireland, Scotland and the North of England on 7th, and weather of a showery and thundery type, with heavy rainfall at places, was maintained throughout the British Isles until 15th. Sunshine amounts varied from day to day, but long sunny periods occurred between the rain belts. From 17th to 22nd mainly anticyclonic conditions prevailed. Ireland and W. Scotland experienced some rain, but England and Wales enjoyed mainly fine weather except for thunderstorms in E. and NE. England on 19th and 21st. During the period temperature was above normal. On 23rd the British Isles enjoyed fine weather and long hours of sunshine with temperature above normal. From 24th to 29th the passage of a low pressure system from the Southwest to the Northeast of the British Isles caused unsettled conditions in Ireland and Scotland, but fair or fine weather prevailed in England and Wales. Abnormally high temperatures were recorded in S. and E. England on 27th, maxima exceeding 90°F being reported. On 28th thunderstorms occurred in places. On 29th a belt of rain travelled eastward across Wales and England followed by cooler showery weather with thunderstorms in Northern and Eastern districts. Heavy rainfall occurred in places. On 30th a ridge of high pressure crossed the country giving a fair day with considerable amounts of sunshine; this was followed by a depression which rapidly approached from the Atlantic giving unsettled, dull and yet cooler conditions throughout the British Isles on the 31st; rain fell in most districts being particularly heavy in N. England and Scotland. Fresh to strong westerly winds occurred reaching gale force in coastal areas, Liverpool recorded a gust of 67 m.p.h. and Sealand 61 m.p.h.

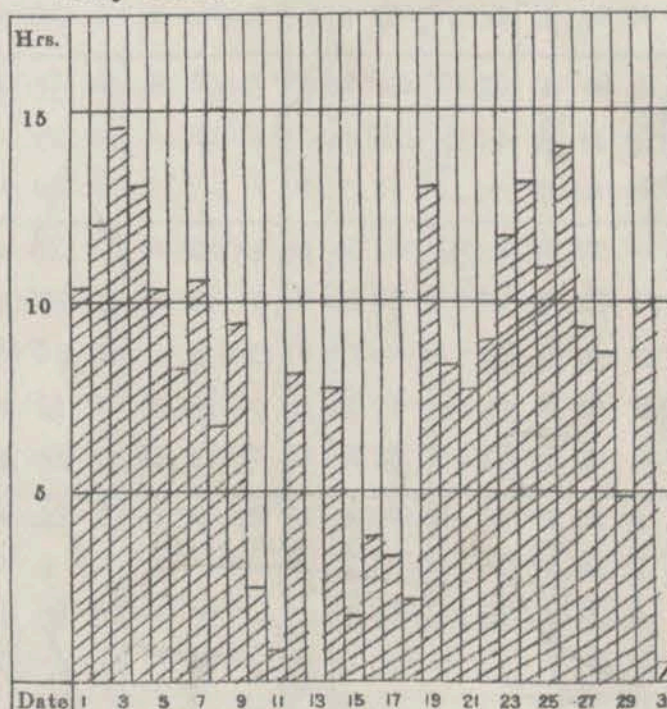
Daily Rainfall at KEW Observatory.



\*=Less than 0.5 mm.

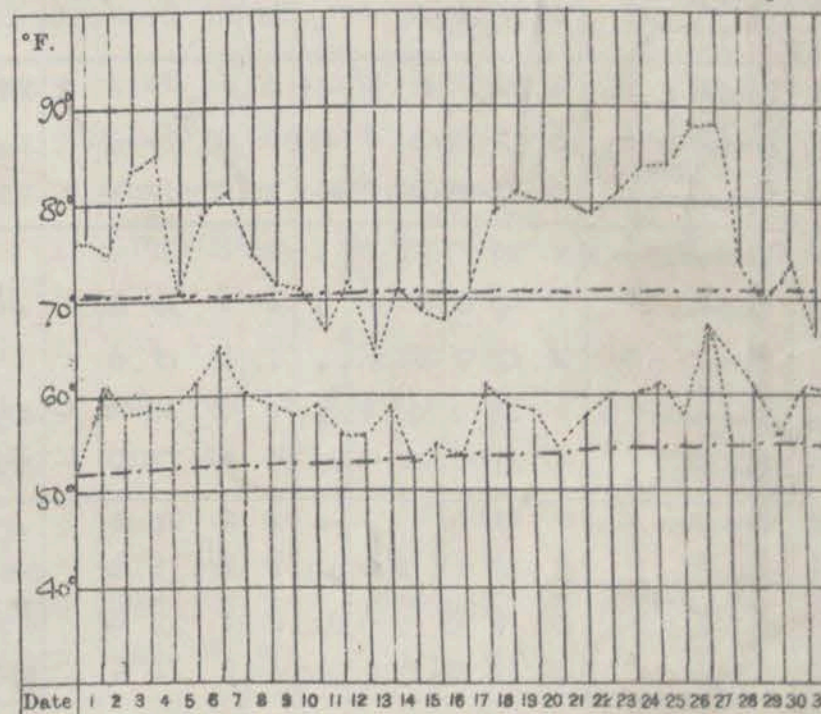
RAINFALL. Total for Month. 44 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 244 hrs.

Daily Range of Temperature at KEW Observatory.



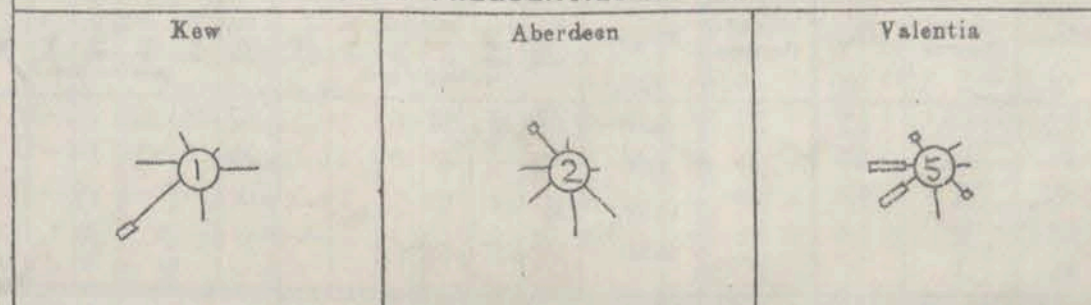
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

### MEAN VALUES FOR THE MONTH.\*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1017.3	mb. +2.1	°F. 68.3	+5.6
Aberdeen	1013.5	+0.5	61.0	+4.3
Valentia	1017.1	+1.0	61.3	+2.4

\*Pressure—The mean is for the 24 hours. It is derived from values at 7h and 15h, duly corrected. Temperature—mean of Max and Min.

### WIND FREQUENCIES AT 7 hr.



Forces 1-3 — ; forces 4-7 — ; force 8 or above — . Scale: 10mm. to 10 observations.

The figure in the centre of the circle gives the number of calms.

### "RUN" of WIND, or total displacement of air relative to the anemographs.

	miles.
Kew ...	5641
Aberdeen ...	5204
Lerwick ...	10310
Valentia ...	7333



## SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

STATIONS.	† TEMPERATURE.														Number of Ground Frosts.	LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	Number of daily readings within fixed limits.										Extremes—Warmest and Coldest					Number of observations within fixed limits.						Number of observations within fixed limits.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	Maximum.					Normal Max.	Minimum.					Normal Min.	Days.			Nights.		Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	51°-59°	60°-68°	69°-77°	78°-86°	87° or above		33°-41°	42°-50°	51°-59°	60°-68°	Highest Max.		Lowest Max.	Highest Min.		Lowest Min.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

## UPPER AIR TEMPERATURE.

UPPER WINDS.  
No. of records of Velocity (m.p.h.) within fixed limits.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. ° F.	DUXFORD.		S. FARNBOROUGH.		FELIXSTOWE		STATION.	LYMPNE.							PLYMOUTH (Mt. Batten).							HOLYHEAD.							RENFREW.							STATION.
			Mean. ° F.	No. of Reports.	Mean. ° F.	No. of Reports.	Mean. ° F.	No. of Reports.	Height. Feet.	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	No. of Obs.	9 or less	10 to 25	26 to 45	46 to 75	Above 75	Height. Feet.				
950	1830	53	60	38	63	10	62	3	2,000	75	15	49	11	-	-	67	28	33	6	-	-	65	21	28	15	1	-	51	7	39	5	-	-	2,000				
850	4840	45	50	40	54	10	55	3	5,000	45	7	29	9	-	-	36	10	19	7	-	-	47	15	25	6	1	-	24	5	16	3	-	-	5,000				
750	8180	36	41	40	44	8	47	2	10,000	18	0	15	3	-	-	12	-	11	1	-	-	26	7	16	3	-	-	9	1	5	3	-	-	10,000				
650	11920	28	30	40	32	8	-	-	15,000	6	0	5	1	-	-	2	-	-	2	-	-	9	4	4	1	-	-	2	1	1	-	-	-	15,000				
550	16170	11	15	22	22	3	-	-																														

† The readings used, are, except in the case of Phoenix Park, the maximum for the period 7 h.-18 h., and the minimum for the period 18 h.-7 h. The normal values given above are based on extremes taken over the 24 hours.

METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.



## SUNSHINE, RAINFALL, AND HUMIDITY

JULY, 1933

Page 3.

District.	Stations.	SUNSHINE.												RAINFALL.												Days with Thunder.	Days with Snow or Sleet.									
		* Number of Days with duration.					Maximum Duration.		Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.				† Number of days with amount.					Maximum fall in 24 hrs.	Total for past 12 months.	Difference from Average.	Total for Month.			Difference from Average.	Highest and Lowest Totals on record for Month.							
		Nil.	0.1-3h.	3.1-6h.	6.1-9h.	Above 9h.	Hours.	Date.					First year of record.	Highest.	Year.	Lowest.	Year.	0, trace or 0.1 mm.	0.2-1 mm.	1.1-5 mm.	5.1-15 mm.								15.1-25 mm.	Above 25 mm.	mm.	Date.	mm.	mm.	mm.	mm.
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	1 1 1 2	5 4 2 4	3 7 6 6	8 6 5 2	14 13 17 17	14.5 14.9 14.4 15.3	3 4 5 4	1616 1617 1752 1858	+141 * * *	244 239 269 253	+43 * * *	1880 1922 1881 1921	334 297 350 304	'11 '28 '11 '28	104 132 116 153	'88 '27 '88 '27	19 17 21 20	3 6 4 5	6 4 2 5	3 4 4 1	0 0 0 0	0 0 0 0	13 11 10 6	15 13 28 29	566 611 728 625	-40 -68 +82 -99	44 46 44 24	-11 -14 +3 -30	1871 1921 1871 1920	124 100 157 126	'80 '24 '88 '27	4 3 3 8	'21 '21 '11 '21	2 2 0 3	'01 '01 '01 '01
2	Shoeburyness Gorleston Cranwell	0 1 0	4 4 6	9 5 3	2 6 9	16 15 13	14.9 15.2 14.8	4 {3 4 5	1811 1616 1546	* -89 -2	248 250 238	* +19 +37	1919 1908 1921	311 289 265	'28 '11 '28	128 103 120	'19 '10 '32	21 20 19	4 5 3	2 3 4	3 2 5	1 1 0	0 0 0	16 16 8	15 20 13	461 515 547	-19 -107 -43	53 41 43	+9 -18 -16	1920 1871 1917	81 150 251	'20 '75 '32	7 7 10	'21 '97 '21	5 4 4	'01 '01 '01
3	Birmingham (Edgbaston)	1	2	8	7	13	13.8	5	1556	+279	232	+65	1897	242	'11	79	'13	18	6	1	5	1	0	15	8	717	+43	53	-6	1893	148	'22	7	'11	4	'01
4	Ross-on-Wye	0	4	7	10	10	14.2	4	1629	+143	229	+30	1915	256	'21	122	'27	21	1	6	2	1	0	18	15	724	+6	43	-14	1859	107	'72	6	'11	2	'01
5	Falmouth (Observatory)	0	6	7	9	9	15.0	4	1663	-96	223	-2	1881	246	'11	135	'90	18	4	3	6	0	0	13	9	1071	-36	68	-4	1871	178	'24	8	'13	1	'01
7	Holyhead	0	11	6	9	5	16.0	4	1517	-89	179	-23	1914	244	'17	123	'20	18	5	6	2	0	0	11	9	778	-110	36	-30	1871	107	'20	13	'78	1	'01
8	Liverpool (Bidston)	0	8	8	4	11	15.2	4	1457	+1	215	+22	1908	284	'11	126	'12	17	9	4	1	0	0	11	9	612	-97	32	-34	1867	191	'72	6	'68	1	'01
10	Tynemouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	3	9	2	1	0	17	19	527	-94	55	-6	1915	140	'26	24	'19	3	'01
11	Inchkeith**	3	6	8	7	7	16.5	3	1418	*	186	*	1923	212	'26	100	'31	14	4	6	5	2	0	19	27	684	+130	109	+51	1870	142	'16	13	'13	5	'01
12	Renfrew	3	8	12	2	6	16.1	{3 4	1180	*	170	*	1921	186	'26	86	'31	15	5	4	7	0	0	13	30	1095	+170	72	+1	1921	113	'30	45	'25	3	'01
	Eskdalemuir	3	9	6	7	6	15.6	3	1208	-7	176	+34	1910	199	'11	75	'31	12	2	8	5	2	2	32	27	1750	+321	174	+70	1910	211	'32	25	'13	6	'01
13B	† Stornoway C.G.	2	14	6	4	5	12.5	5	1174	-85	127	-18	1881	227	'17	79	'16	12	7	8	4	0	0	11	19	1084	-182	63	-14	1870	175	'71	22	'13	1	'01
15	Aberdeen	2	9	8	7	5	14.5	2	1372	-15	164	+5	1881	239	'11	83	'31	12	6	6	6	1	0	17	27	758	+10	78	+7	1871	150	'18	14	'78	2	'01
18	Aldergrove	3	15	2	4	7	15.5	4	1044	*	143	*	1926	150	'27	97	'31	12	8	8	3	0	0	11	9	767	*	65	*	1926	145	'32	65	'28	3	'01
19	Dublin (Phoenix Park)	0	11	11	3	6	15.6	3	1345	-162	171	+1	1881	235	'28	93	'31	16	4	8	3	0	0	9	14	676	-29	48	-20	1877	140	'15	19	'78	0	'01
	Birr Castle	0	9	13	5	4	13.9	4	1248	-95	161	+17	1881	224	'11	94	'30	12	4	11	4	0	0	14	6	794	-35	79	+4	1872	186	'80	8	'63	2	'01
20	Valentia (Cahiriveen)	1	13	5	8	4	15.4	1	1216	-229	148	-11	1880	235	'18	71	'32	12	4	7	7	1	0	25	9	1264	-150	100	+4	1870	221	'73	22	'98	0	'01

## MINIMUM SURFACE HUMIDITY.

No. of Days (Mdt. to Mdt.) with Minima between Fixed Limits.

Stations.	90 to 100 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	10 to 19 %
London (Kew)	0	0	1	0	4	10	12	4	0
Ross-on-Wye	0	1	1	7	16	5	1	0	0
Falmouth (Obsy.)	0	4	8	13	5	1	0	0	0
Renfrew	1	3	4	12	9	2	0	0	0
Eskdalemuir	1	1	7	6	12	1	3	0	0
Aberdeen	0	2	4	6	14	5	0	0	0
Valentia	1	8	13	6	2	1	0	0	0

## STATE OF GROUND AT 18h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.
London (Kew)	22	9	0	0	0	0	0	0	0	0	0 Dry.
Ross-on-Wye	25	5	1	0	0	0	0	0	0	0	1 Wet.
Renfrew	14	17	0	0	0	0	0	0	0	0	2 Flooded.
Eskdalemuir	6	25	0	0	0	0	0	0	0	0	3 Covered with thawing snow.
Aberdeen	15	16	0	0	0	0	0	0	0	0	4 Frozen hard and dry.
Valentia	12	19	0	0	0	0	0	0	0	0	5 Covered with ice or glazed frost.
											6 Partly covered by snow or hail.
											7 Covered with snow, less than 6 ins., but ground not frozen.
											8 Covered with snow, less than 6 ins., and ground frozen.
											9 Covered with snow greater than 6 ins. deep.

\*\* In extremes of rainfall the short period returns from Inchkeith are supplemented by those from Leith, and extremes of rainfall and sunshine from Calshot by those from Southampton.

† Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0.1 mm.

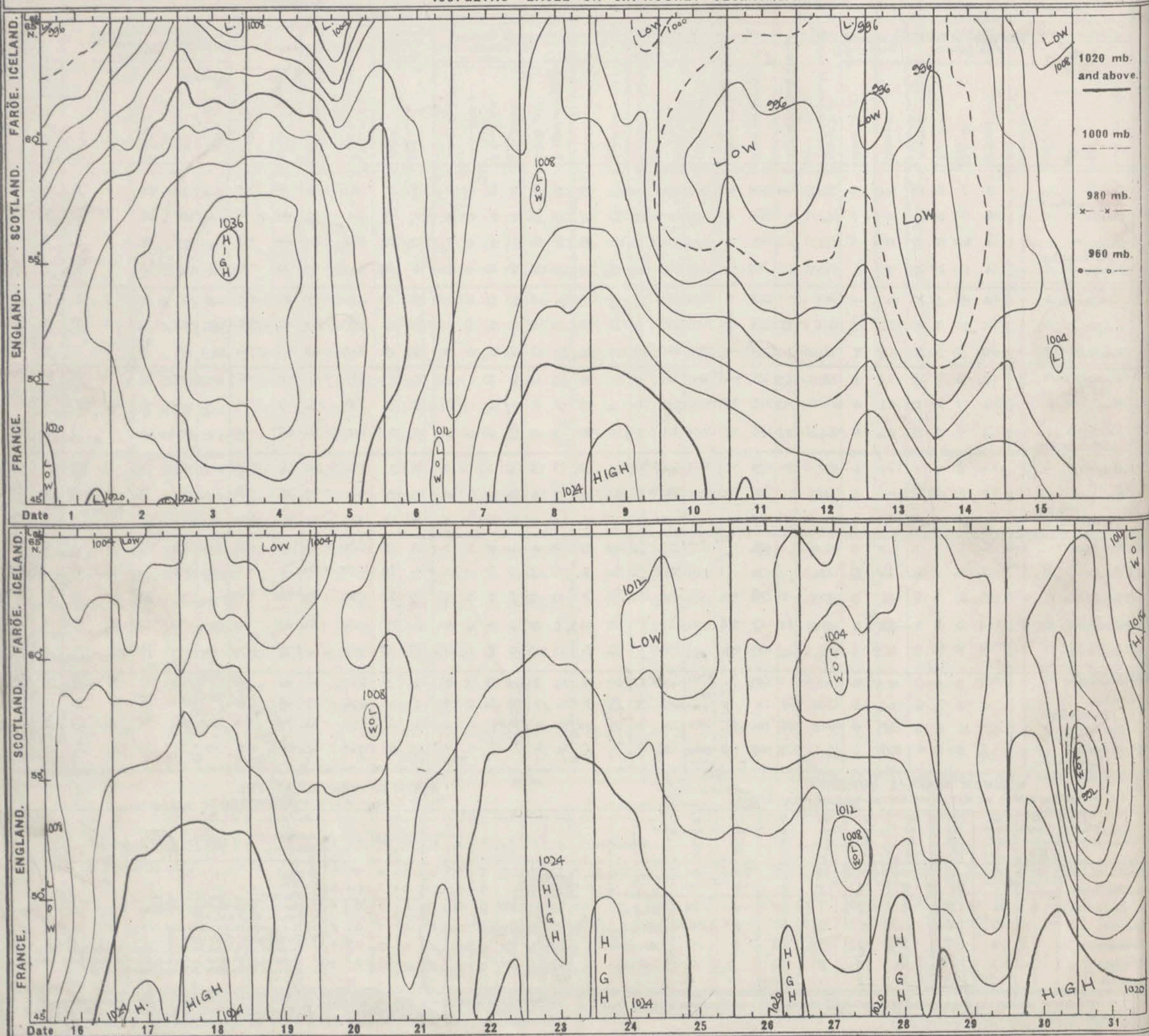
†† Observations Coast Guard began Sept., 1930. Normals and extremes for old Station.



## PRESSURE: ICELAND TO GULF OF LIONS

JULY, 1933.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 18h. are plotted consecutively and joined to shew the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W. in the north; at Lat. 44½° N., Long. 4° E. in the south.



DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 30th June														OBSERVATIONS at 18h. G.M.T. 30th June														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	°F.	% Humid.	Visibility 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	°F.	% Humid.	Visibility 0-9	Cloud.			State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Dir.	Force.					Low.	Med.	High.			Low.	Total 0-10					Height of Base (feet)	Low.	Med.			High.	Low.	Total 0-10	Height of Base (feet)	Th.—13h. 30th	13h.—18h. 30th	18h.—24h. 1st	1st— 1st																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
(For heights see p. 4.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						



# REPORTS from HEALTH RESORTS for 30th June 1933.

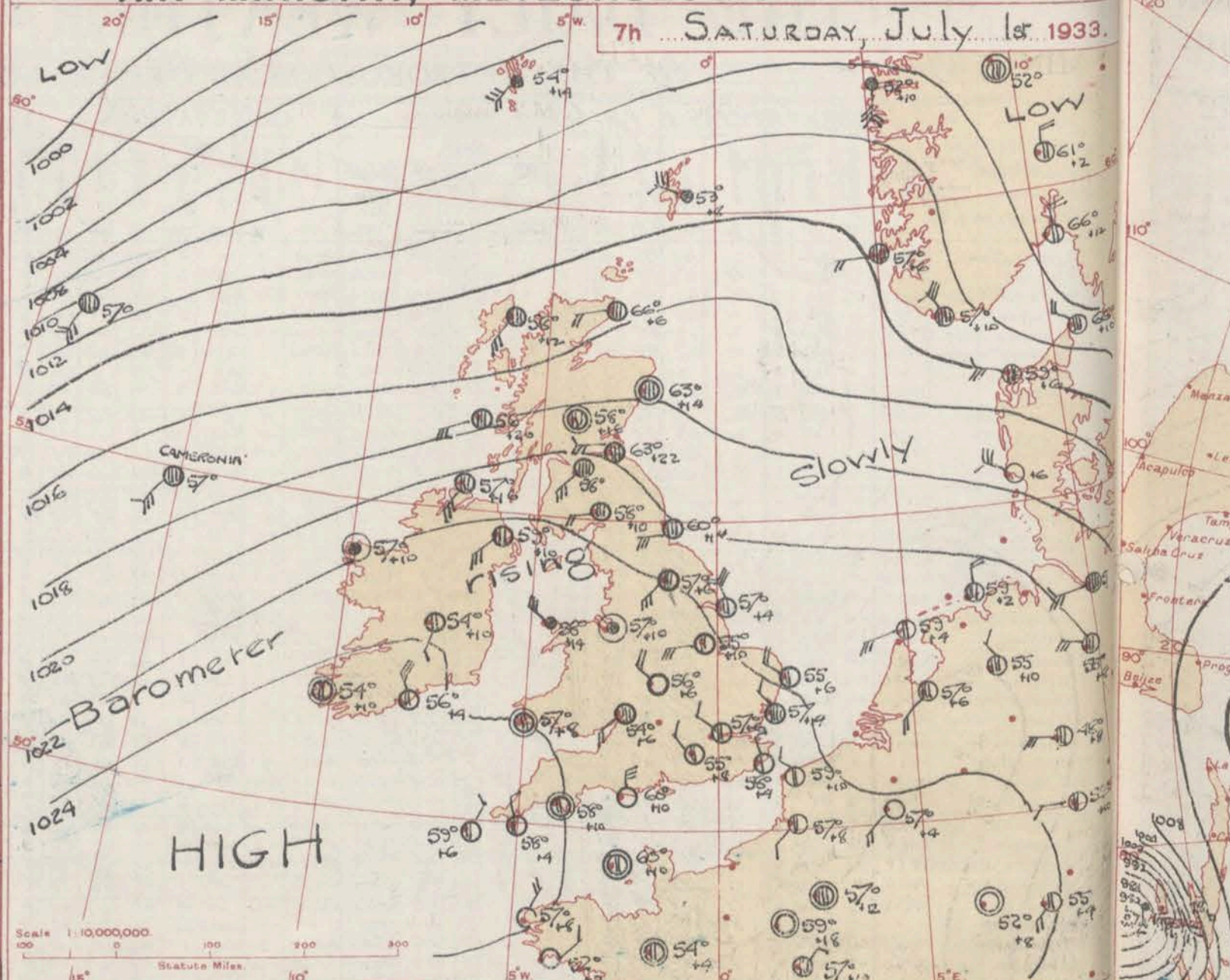
STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. to 3h.	Max. 3h. to 9h.	Night. 9h. to 3h.	Day. 9h. to 3h.	Sunrise to 17h.	Sunset to 21h.
1 Tunbridge W.	bcc	cbc	53	70	-	-	6.1	9.4
Bournemouth	bcc	c	51	68	-	-	4.0	?
Ventnor	bcc	cb	56	67	-	-	7.2	6.8
Southsea	bc	bccc	56	72	-	-	7.9	7.0
Bognor Regis	bccbc	bc	57	70	-	-	5.3	7.6
Littlehampton	bc	bc	56	70	-	-	6.3	7.4
Worthing	bc	bcb	57	70	-	-	5.2	7.3
Brighton	bc	bc	57	68	-	-	5.1	7.9
Eastbourne	bc	bcc	56	66	-	-	8.6	6.1
Hastings	bcc	bccbc	55	66	-	-	9.8	8.2
Folkestone	bc	bc	49	64	-	-	10.4	3.9
Dover	bc	bccbc	51	66	-	-	11.2	8.7
Deal	b	b	51	67	-	-	11.7	5.7
Ramsgate	b	b	54	64	-	-	12.5	6.3
Margate	bc	bc	54	64	-	-	12.5	7.2
2 Southend	bcc	bccc	55	69	-	-	10.5	11.6
Maldon	bcc	bc	54	72	-	-	9.1	10.8
Clacton-on-Sea	bc	bc	51	63	-	-	9.8	7.0
Dovercourt	bc	bc	51	66	-	-	12.2	8.4
Lowestoft	bcc	bccbc	43	62	-	-	11.2	0.9
Skegness	b	bcm	48	64	-	-	7.6	10.1
Mablethorpe	bcc	bcc	47	66	-	-	8.2	10.6
Cleethorpes	bcc	bc	49	65	-	-	6.2	11.0
3 Leamington S.	c	c	49	65	-	-	3.7	2.6
4 Cheltenham	owc	coc	48	64	-	-	0.9	3.5
5 Bath	c	c	55	64	-	-	1.2	6.4
Weymouth	bc	b	54	70	-	-	8.0	5.7
Jersey	b	b	54	66	-	-	11.7	10.7
Torquay	bc	bccbc	52	67	-	-	6.7	7.6
Penzance	bcc	b	54	68	-	-	7.5	7.4
St. Ives	b	b	54	63	-	-	8.2	6.6
Bude	bc	bcc	46	63	-	-	8.1	13.4
Ilfracombe	oc	bc	55	64	-	-	2.4	13.8
6 Aberystwyth	bcc	cbcb	55	60	-	-	4.0	9.5
7 Llandudno	c	cbc	54	62	-	-	3.2	5.5
Colwyn Bay	c	cbcb	53	61	-	-	1.7	4.7
Rhyl	c	cbc	54	62	-	-	4.3	8.9
8 Wallasey	cbc	bc	54	62	Trace	-	0.9	8.6
Southport	cco	cco	54	60	-	-	0.1	8.0
Blackpool	c	c	54	61	-	-	0.7	11.3
Morecambe	cbcc	cbc	55	63	-	-	2.8	10.0
9 Ilkley	b	b	51	65	-	-	9.2	7.0
10 Berwick-on-T.	cbcc	bc	50	68	-	-	5.5	14.0
11 Dunbar	bcm	bc	50	70	-	-	6.5	11.2
12 Troon	cbc	bcc	52	60	-	-	1.5	14.5
Douglas	cb	cbbc	51	63	Trace	-	3.2	10.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st July, 1933.
1. S.E. England	
2. E. England...	Light northwest or variable wind; fine or fair; warm.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Light or moderate westerly wind; fair but perhaps local drizzle and fog on coast; rather warm.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Light or moderate west or southwest wind; fair; warm.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 6 - 8.
13. A.W. Scotland, B.N.W. Scotland	Moderate southwest wind; cloudy, occasional drizzle; moderate or rather high temperature.
14. Mid. Scotland	Light or moderate west or southwest wind; cloudy, brighter periods; rather warm.
15. N.E. Scotland	
16. Orkneys and Shetlands	As 13.
17. N.W. Ireland	
18. N.E. Ireland	As 9 - 11.
19. S.E. Ireland	Light variable to southwesterly wind; mainly fair; rather warm.
20. S.W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th SATURDAY, July 1st 1933.



BAROMETER: Isobars are drawn for intervals of two millibars.  
 WIND: Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — ☉ TEMPERATURE is given in degrees F.  
 WEATHER SYMBOLS: ☉ Clear sky. ☉ Sky less than 1/2 clouded. ☉ Sky 1/2 to 3/4 clouded. ☉ Sky 3/4 to 1 clouded. ☉ Overcast sky. ☉ Rain falling. \* Snow. \* Sleet. \* Hail. ☉ Fog. ☉ Mist. ☉ Thunder. ☉ Thunderstorm. ☉ Haze.  
 SEA DISTURBANCE: ~~~~~ Rough. ~~~~~ High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone to southwest of the British Isles is spreading east and northeast. Except for local drizzle in the West and Northwest, weather will be fair or fine.

### FURTHER OUTLOOK.

Fair in the South and East probably at least for two or three days; doubtful in the Northwest.

Forecasts issued at 0915 G.M.T.

G. C. SIMPSON, O.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

1933.

LOW  
61°  
12

66°  
17

55°  
12

55°  
12

55°  
12

55°  
12

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12

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55°  
12

Morning of  
Saturday,  
1st. July,  
1933.

All times are G.M.T. Add one hour  
to get summer time.  
Clarke's Projection Scale 1 4 x 10<sup>7</sup> along meridian at 55° N  
Statute Miles 0 1 2 3 4 500  
50°

## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.  
WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.  
○ - Calm.  
TEMPERATURE is given in degrees F.  
WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

ly at  
in the

D.Sc., F.R.S.  
Director.



† 1-hr observations are from Valencia W/T station      ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

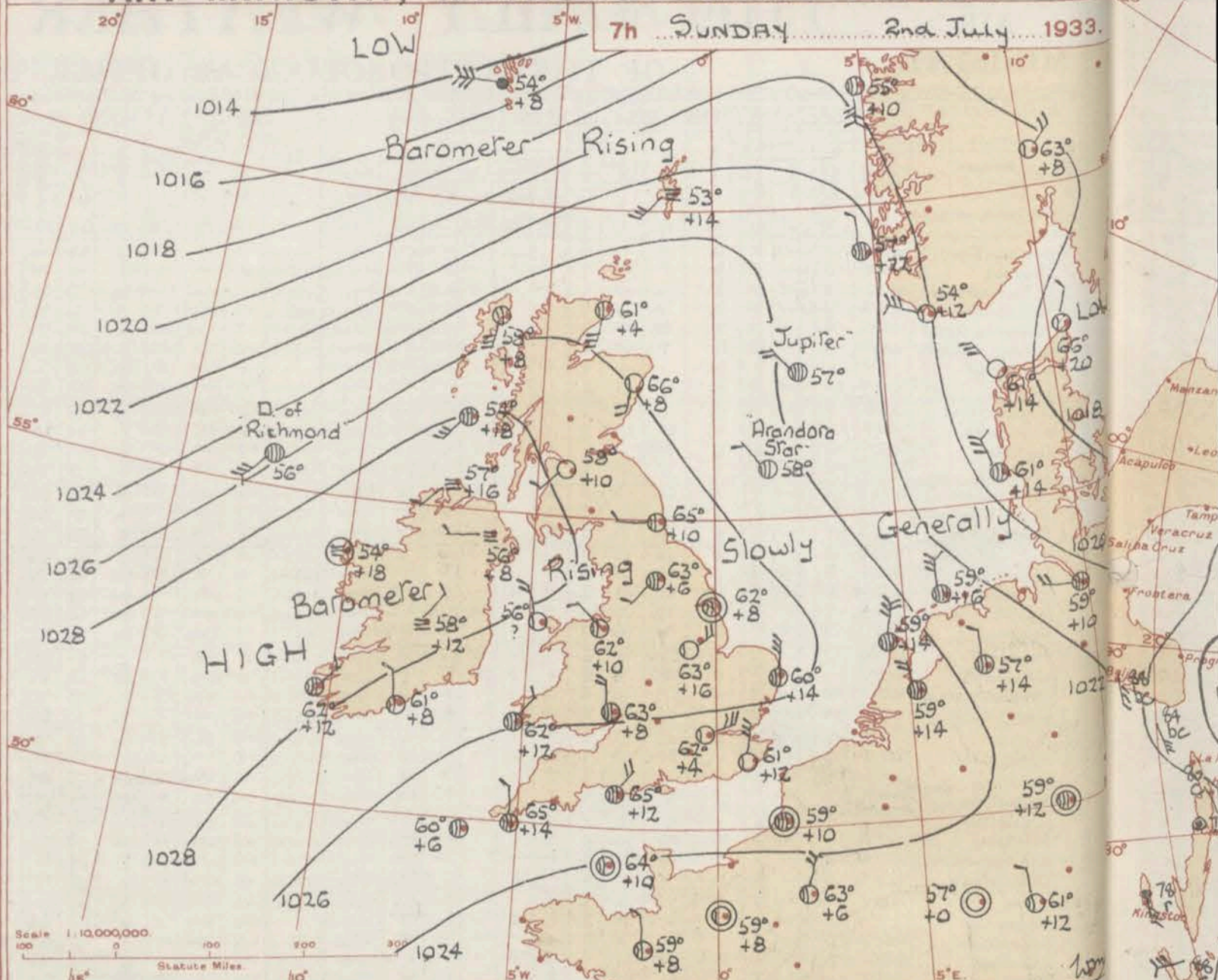
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 1st July														OBSERVATIONS at 18h. G.M.T. 1st July														PAST 24 HOURS.						
		Barom. at M.S.L. in mb.	Change in 3 hours.	Wind. Dir. Force.	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.						Barom. at M.S.L. in mb.	Change in 3 hours.	Wind. Dir. Force.	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.						State of Ground.	Sea.	WEATHER.						
									Form.			Amount.										Height of Base. (feet)	Form.			Amount.				Height of Base. (feet)	To.—13h. 1st.....	13h.—18h. 1st.....	18h. to 1h. 2nd.....	1h.—Th. 2nd.....		
									Low.	Med.	High.	Low.	Total 0-10	High.									Low.	Med.	High.	Low.	Total 0-10								High.	
																																				(9)
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)...	1022.2	-4	WNW	2	bc	72	45	8	-	-	8	4.6	4.6	4000	1022.0	+2	N	2	c	74	88	7	5	-	9+	9+	2500	0	*	bm, bey	bey	cybcm, c	cm, b		
	Croydon	1021.7	-6	WNW	2	bc	71	55	7	-	-	-	2.3	2.3	4000	1021.4	0	NE	1	c	75	88	8	7	-	1	4.6	7.8	4000	0	*	bc, by	bey	bc, cm	bc, cm	
	S. Farnborough	1022.1	-6	NNE	2	bc	74	45	8	-	-	8	4.6	4.6	4000	1021.9	0	NW	1	bc	72	65	6	5	3	-	4.6	4.6	4000	0	*	bey	bey, bc	bc, cm	bc, cm	
	Winchester	1022.6	-2	NW	2	bc	70	65	8	-	-	-	4.6	4.6	2500	1022.4	+2	NW	3	c	70	75	7	5	-	1	9	9+	2500	0	*	bc	bey	c	bc	
	Boscombe Down	1022.5	-2	NW	2	bc	69	55	8	-	-	-	4.6	4.6	2500	1022.2	+2	NW	2	c	69	75	7	5	-	-	9+	9+	2500	0	*	bc	bey	c	bc	
	Calshot, S'thmtn	1022.7	-2	SW	3	bc	71	65	8	-	-	-	2.3	2.3	4000	1022.2	-2	SW	3	c	69	55	7	5	-	6	2.3	7.8	4000	0	2	bc	bey	bc	bc, cm	
	Dungeness	1022.7	-2	SW	1	bc	71	65	8	-	-	-	4.6	4.6	2500	1022.6	0	SW	2	bc	65	65	7	5	-	2.3	4.6	2500	0	2	bc	bey	bc	bc		
	Lympne	1022.7	+4	SW	2	bc	66	65	6	-	-	-	4.6	4.6	4000	1022.6	0	SW	2	bc	65	65	7	-	3	2	0	4.6	-	0	*	bm, bey	cybcm	bc, cm		
2	Shoeburyness	1021.8	0	NW	2	bc	73	55	6	4	1	-	2.3	4.6	4000	1021.8	0	S	1	bc	70	75	6	4	1	8	1	4.6	4000	0	*	bc	bey	bc	bc, cm	
	Felixstowe	1021.8	+2	SSE	3	bc	69	65	7	1	-	6	4.6	4.6	4000	1022.0	+2	SE	2	c	64	85	7	4	-	1	7.8	7.8	5700	0	1	bc	bey	bc	bc, cm	
	Gorleston	1021.5	+6	-	0	c	64	75	6	1	4	7	2.3	7.8	2500	1022.2	+2	-	0	c	64	75	6	-	4	2	0	7.8	-	0	1	bc	bey	bc	bc, cm	
	Cranwell	1021.6	+2	NW	3	c	71	65	6	8	-	-	7.8	7.8	4000	1022.3	+6	ES	1	c	71	75	6	8	-	-	9+	9+	4000	0	*	bc	bey	bc	bc, cm	
3	Birmingham	1022.6	+2	NW	3	c	66	75	8	5	2	-	4.6	10	2500	1023.2	+4	NW	3	bc	67	65	7	1	4	-	2.3	4.6	2500	1	*	bc	bey	bc	bc	
	Upper Heyford	1022.4	0	NW	2	c	71	65	7	1	-	-	9+	9+	2500	1022.5	+2	NW	3	u	71	65	8	8	7	-	4.6	9+	2500	1	*	bc	bey	bc	bc	
4	Ross-on-Wye	1022.3	+4	NW	2	c	70	75	8	8	-	-	10	10	4000	1022.4	0	NE	2	c	74	75	9	8	6	-	7.8	7.8	4000	0	*	bc	bey	bc	bc	
5	Portland Bill	1023.8	0	E	2	b	62	75	8	-	-	-	0	0	-	1023.1	-4	W	2	c	61	85	8	4	4	-	4.6	7.8	2500	0	2	b	bey	bc	bc	
	Plymouth	1023.6	-2	SW	3	b	64	65	9	1	-	1	Tr.	Tr.	4000	1023.2	-4	S	1	bc	62	75	8	7	-	4	1	2.3	4000	0	1	bc	bey	bc	bc	
	The Lizard	1024.4	0	W	2	bc	65	65	8	7	4	-	2.3	2.3	4000	1023.8	-2	S	1	bc	63	75	8	1	4	-	2.3	2.3	4000	0	1	bc	bey	bc	bc	
	Scilly (St. Mary's)	1024.8	+2	N	2	bc	63	85	7	2	-	-	2.3	4.6	4000	1024.6	-4	NNE	2	bc	62	85	8	1	-	-	2.3	2.3	4000	0	1	bc	bey	bc	bc	
	Guernsey	1023.2	-2	ENE	2	bc	66	65	7	2	-	-	2.3	2.3	2500	1022.7	-2	ENE	3	bc	65	65	7	-	1	-	0	2.3	-	0	1	bc	bey	bc	bc	
6	Pembroke	1023.2	-2	NW	2	bc	64	75	8	7	4	9	2.3	2.3	5700	1024.2	0	NE	1	c	65	65	8	1	3	6	2.3	7.8	4000	0	0	if bc	bey	bc	bc	
7	Holyhead	1023.9	+4	WNW	3	c	63	75	8	4	3	8	Tr.	7.8	2500	1024.3	0	WNW	1	bc	65	85	8	4	-	1	Tr.	4.6	2500	0	0	bc	bey	bc	bc	
	Chester (Sealand)	1023.5	+2	NW	4	c	67	75	8	5	1	-	4.6	9+	2500	1024.5	+4	NW	3	c	65	75	8	5	-	2	4.6	7.8	2500	0	*	bc	bey	bc	bc	
8	L'pool (Bidston)	1023.8	+2	WNW	3	c	63	85	8	5	1	-	4.6	9+	2500	1024.8	+2	NW	2	bc	63	85	8	1	-	2	1	4.6	2500	0	*	bc	bey	bc	bc	
9	Harrogate	1021.9	+6	SW	3	c	67	75	8	3	2	-	9	10	4000	1022.4	+6	SW	3	bc	69	75	7	-	3	2	0	4.6	-	0	*	bc	bey	bc	bc	
10	Spurn Head	1021.5	+4	-	0	c	64	75	7	5	2	-	4.6	10	4000	1022.5	+6	-	0	c	63	85	6	5	1	8	2.3	7.8	2500	0	1	bc	bey	bc	bc	
	Catterick	1021.1	+4	NW	2	c	71	65	8	7	-	-	10	10	2500	1022.1	+4	SSW	1	bc	73	65	8	4	-	2	2.3	4.6	4000	0	*	bc	bey	bc	bc	
	Tynemouth	1021.1	+12	NE	1	bc	65	75	7	2	-	-	4.6	4.6	2500	1022.2	+4	SE	2	bc	63	85	8	1	-	1	2.3	2.3	4000	0	1	bc	bey	bc	bc	
11	Inchkeith	1020.5	+6	SW	5	c	64	85	7	5	6	-	4.6	7.8	2500	1021.8	+4	SW	4	bc	69	95	8	7	-	-	2.3	2.3	4000	0	2	bc	bey	bc	bc	
	Leuchars	1019.2	+2	WNW	3	bc	78	55	9	7	6	1	2.3	4.6	4000	1020.4	+6	WNW	4	bc	78	55	9	8	-	1	2.3	2.3	4000	0	*	bc	bey	bc	bc	
12	Renfrew (Abbott's)	1022.0	+6	WSW	3	c	64	85	8	5	-	-	9+	9+	1500	1023.2	+6	W'S	3	b	68	65	8	5	3	-	Tr.	Tr.	5700	0	*	bc	bey	bc	bc	
	Exdalemuir	1020.6	+6	NW	3	bc	71	65	8	1	4	1	1	2.3	2500	1021.6	+8	WNW	2	b	73	55	9	-	4	1	0	1	-	0	*	bc	bey	bc	bc	
13a	Tiree	1022.8	+16	WSW	3	c	58	85	7	5	-	-	9+	9+	2500	1024.6	+6	SW	1	30	57	95	6	5	-	-	10	10	800	0	2	cm	cm	cm	cm	
13b	Stornoway	1020.7	+10	WSW	4	c	61	85	8	8	6	-	4.6	9	1500	1022.6	+10	SW	3	c	60	85	7	8	6	-	7.8	9	1500	1	1	c	cm	cm	cm	
15	Dalwhinnie	1020.7	+18	SW	1	c	67	75	8	4	-	-	9	9	2500	1021.8	+18	SW	1	b	69	45	8	4	-	1	Tr.	Tr.	5700	0	0	c	cm	cm	cm	
	Aberdeen	1019.3	+10	SSE	3	bc	72	45	8	7	3	-	2.3	4.6	4000	1021.8	+18	ENE	1	c	61	85	8	5	-	-	9+	9+	2500	0	1	bc	bey	bc	bc	
	Wick	1018.2	+14	NW	2	c	61	85	8	5	1	-	7.8	9	2500	1021.5	+14	SE	2	bc	61	95	8	5	4	1	2.3	2.3	4000	0	1	c	cm	cm	cm	
16	Lerwick	1015.6	+16	WNW	3	c	57	95	7	5	2	-	7.8	9+	800	1018.4	+18	WNW	3	c	55	95	6	5	-	-	9+	9+	800	0	*	od, oc	cm	cm	cm	
17	Blackad Point	1024.5	+14	W	3	c	62	85	6	-	1	-	0	10	-	1025.2	+4	W	2	c	60	85	8	-	4	-	0	7.8	-	0	2	id	cm	cm	cm	
18	Malin Head	1023.5	+10	SW	4	c	60	85	7	4	7	-	2.3	9+	450	1024.9	+6	W'S	4	c	58	95	7	5	1	-	7.8	10	450	0	1	id	cm	cm	cm	
	Aldergrove	1023.6	+2	WSW	2	c	64	85	8	5	-	-	10	10	1500	1024.3	+6	NNE	2	bc	69	75	8	1	-	9	2.3	4.6	2500	0	-	c	cm	cm	cm	
	Donaghadee	1023.7	+5	N	2	c	59	85	7	5	-	-	9	9	1500	1025.1	+10	NNE	2	c	58	85	8	8	3	-	4.6	7.8	2500	0	1	c	cm	cm	cm	
19	Birr Castle	1024.4	+2	NW	2	c	63	75	8	5	-	-	9+	9+	2500	1024.7	+4	NW	1	c	70	75	8	5	-	-	7.8	7.8	2500	0	*	bc	bey	bc	bc	
20	Valentia Obay.	1026.0	+2	WN	3	bc	64	75	9	-	3	2	0	2.3	-	1025.7	-4	NW	3	b	64	85	9	-	3	1	0	1	-	0	2	bc	bey	bc	bc	
	Roche's Point	1024.5	+4	SW	1	bc	71	65	9	5	-	-	4.6	4.6	2500	1024.3	-6	SW	2	bc	64	75	9	8	-	9	4.6	4.6	2500	0	1	bc	bey	bc	bc	



# REPORTS from HEALTH RESORTS for 1st July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Min. 9h-12h.	Max. 12h-5h.	Night. 5h-9h.	Day. 9h-5h.	Sunrise to 17h.	Sunrise to Sunset.
1. Tunbridge W.	Sourmouthe	bcb	bc	44	76	-	-	11.3	7.1
	Ventnor	b	b	48	78	-	-	11.0	4.5
	Southsea	b	b	52	75	-	-	11.7	7.5
	Bognor Regis	b	b	52	65	-	-	11.6	5.6
	Littlehampton	bc	bc	48	68	-	-	11.6	6.6
	Worthing	b	bbc	54	68	-	-	11.9	6.0
	Brighton	b	bbe	54	68	-	-	11.1	6.6
	Eastbourne	b	bbee	55	69	-	-	10.0	9.9
	Hastings	bcb	bbee	55	69	-	-	10.3	9.8
	Folkestone	b	b	56	68	-	-	9.8	10.5
	Dover	bcc	bcb	56	66	-	-	11.2	11.8
	Deal	b	bcb	54	70	-	-	10.7	12.6
2. Southend	Ramsgate	b	bbee	57	70	-	-	10.8	13.0
	Margate	bc	bc	56	72	-	-	11.2	13.8
	Southend	b	bbe	54	76	-	-	11.1	10.5
	Maldon	b	b	54	76	-	-	11.4	9.1
	Clacton-on-Sea	bcb	bbe	51	71	-	-	11.7	10.7
	Dovercourt	b	bc	52	74	-	-	11.2	12.2
	Lowestoft	b	b	50	70	-	-	11.3	11.4
	Skegness	b	b	47	68	-	-	8.1	7.6
	Mablethorpe	bcb	b	48	69	-	-	7.9	8.2
	Cleethorpes	bcb	b	51	70	-	-	8.6	6.3
	Leamington S.	b	bcb	45	73	-	-	6.2	5.0
	Cheltenham	bcc	bcc	47	74	-	-	6.4	1.6
3. Bath	Weymouth	b	b	51	70	-	-	11.9	9.8
	Jersey	b	b	52	70	-	-	11.3	14.2
	Torquay	b	b	49	69	-	-	12.2	7.9
	Penzance	b	b	50	71	-	-	11.3	9.4
	St. Ives	b	b	53	64	-	-	12.0	10.9
	Bude	wb	b	42	69	-	-	12.0	10.6
	Ilfracombe	b	b	56	67	-	-	11.2	3.2
	Aberystwyth	bbee	bcb	47	65	-	-	3.6	7.2
	Llandudno	c	bbe	55	68	0.2	-	2.0	4.1
	Colwyn Bay	pabc	bcb	55	69	0.3	-	3.2	2.9
	Rhyl	bcb	bc	50	66	0.1	-	4.1	5.3
	Wallasey	c	bcb	57	66	0.3	-	2.9	1.4
4. Southport	Blackpool	c	c	57	67	0.2	-	2.2	0.7
	Morecambe	bbee	b	56	70	Trace	-	5.0	3.5
	Ilkley	bc	bc	52	73	Trace	-	2.4	11.1
	Berwick-on-T.	bc	bbee	56	70	0.3	-	7.8	6.5
	Dunbar	bc	bc	56	77	-	-	8.8	6.9
	Troon	oc	bbe	55	63	-	-	3.1	2.9
	Douglas	cb	bbe	53	68	-	-	3.8	3.4
	10. Max. Temp. for period 21h. yesterday to 17h. to-day.	Min. Temp. 21h.-9h.		Min. Temp. 17h.-9h.					

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd July, 1933.
1. S.E. England	Wind northeasterly, light or moderate; fair or fine; warm inland.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind variable, light, mainly fair or fine but local coastal fog, warm inland.
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind variable, light, fair or fine; warm.
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 6 - 8.
13. { A.W. Scotland B.N.W. Scotland	Wind westerly, moderate, coastal showers, bright periods; moderate temperature.
14. Mid-Scotland	Wind westerly, moderate, mainly fair; moderate temperature.
15. N.E. Scotland	
16. Orkneys and Shetlands	As 13A - 13B.
17. N.W. Ireland	Wind westerly, light or moderate, mainly fair but coastal mist, rather warm inland.
18. N.E. Ireland	
19. S.E. Ireland	Wind variable light, mainly fair, local coastal mist on east coast, rather warm inland.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.

TEMPERATURE is given in degrees Fahrenheit.

WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☁ Sky 1/2 to 3/4 clouded. ☁ Sky 3/4 to 1 clouded. ☁ Overcast sky. ☔ Rain falling. ❄ Snow. ❄ Sleet. ☄ Hurricane.

☁ Fog. ☁ Mist. ☁ Thunder. ☁ Thunderstorm. ☁ Haze.

SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone centred to the southwest of Ireland covers the British Isles and a shallow trough of low pressure associated with a depression to the north of Iceland is approaching Northwest Scotland. Except in the northwest conditions will be mainly fair.

### FURTHER OUTLOOK.

Continuing fair except in the Northwest

Forecasts issued at 1100 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

1933.



D.Sc., F.R.S.  
Director.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 2nd July														OBSERVATIONS at 7 hr. G.M.T. 2nd July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine.																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Direc.	Force.					Low.	Med.	High.	Low.	Total.			Form.	Amount.					Height of Base (feet).	Low.	Med.	High.	Low.			Total.	Form.	Amount.	Height of Base (feet).	Max. Day 7h-12h.		Min. Night 12h-7h.	Min. on Grass.	Day 7h-12h.	Night 12h-7h.																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																																								0-12	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-

LONDON OBSERVATIONS.										EXPLANATION OF FIGURES, LETTERS, etc.									
Day 7h—12h, Kew & Croydon. 9h—12h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—12h.										The barometric tendency is expressed in tenths of a millibar.									
Height above M.S.L. in feet.										Columns 2, 18.									
Weather										Columns 3, 22.—Code for surface visibility.									
Temperature.										Objects not visible "									
Rainfall.										Columns 4, 48.									
Sun- shine to Sunset, hrs.										The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.									
Humidity.										Columns 30.—Code for State of Sea.									
Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.										Columns 34, 35.									
24 hrs. ended 9h.										Tr. = rain has fallen, but amount less than 0.1 mm.									
South Kensington.																			
Kew Observatory.																			
Max. Time. Min. Time.																			
0.5 8h 12h N 1/2 9-16h 12h																			
Max. Time. Min. Time.																			
0.2 2 1/2 12h 12h 15h																			
0 1 4 13-18 9 47-54																			
1 1-3 5 19-24 10 55-63																			
2 4-7 6 25-31 11 64-76																			
3 8-12 7 32-38 12 75																			
8 30-46																			
0 Calm. 5 Very rough.																			
1 Smooth. 6 High.																			
2 Slight. 7 Very high.																			
3 Moderate. 8 Precipitous.																			
4 Rough. 9 Confused.																			



URS.

FALE. 800  
Night 18h-7h  
mm. 19h-6h  
(35) (36)

10.3  
11.8  
10.9  
10.8  
8.7  
13.2  
12.5  
12.4  
11.5  
12.1  
9.2  
9.1  
6.6  
14.8  
14.5  
3.2  
7.1  
6.8  
4.0  
4.0  
5.9  
3.6  
7.1  
11.2  
5.0  
11.6  
0.3  
4.3  
5.3  
5.4  
0.3  
2.6  
6.8  
4.0  
15.0  
1.0

S, etc.

Code for  
b, blue sky (not more than a quarter  
covered with cloud).  
bc, sky partly cloudy (one half  
covered). c, generally cloudy.  
d, drizzle. e, wet air. g, gloom.  
f, fog, visibility 220-1100 yds.  
F, thick fog, " less than 220 yds.  
fs, fog over sea (coast station).  
fg, fog on lower ground (inland  
station).  
m, mist, visibility 1100-2200 yds.  
h, hail. i, intermittent.  
jp, precipitation within sight of  
station.  
ks, storm of drifting snow.  
k/s, slight storm of drifting snow  
(generally low).  
K/S, heavy storm of drifting snow  
(generally low).  
s/k, slight storm of drifting snow  
(generally high).  
S/k, heavy storm of drifting snow  
(generally high).  
KQ, line squall. l, lightning.  
o, overcast sky. p, passing showers.

for.

## OBSERVATIONS at 13h. G.M.T. 2nd July

## OBSERVATIONS at 18h. G.M.T. 2nd July

## PAST 24 HOURS.

DISTRICT.	STATIONS.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground.	Sea.	WEATHER.							
				Direc.	Force.					Form.	Amount.	Height of Base (feet)	Direc.	Force.			Form.	Amount.					Height of Base (feet)	Direc.	Force.	Form.	Amount.			Height of Base (feet)	7h.-13h. 2nd	13h.-18h. 2nd	18h.2nd to 1h. 3rd	1h.-7h. 3rd			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
(For heights see p. 4.)																																					
1	London (Kew)...	1027.9	+10	E'N	3	C	70	55	7	5	-	-	7-8	7-8	4000	1028.7	+6	NE	3	b	74	55	8	5	-	-	Tr	Tr	4000	0	*	bcc	bcby	by	bm		
	Croydon	1027.5	+8	E'S	3	C	67	75	8	5	-	-	9+	9+	2500	1028.5	+2	E'S	3	b	69	65	8	-	-	-	0	0	-	0	0	*	bm	cb	b	bm	
	S. Farnborough	1026.9	+4	ENE	3	C	73	55	6	7	-	-	7-8	7-8	4000	1028.1	+6	ENE	2	b	72	55	6	-	-	-	0	0	-	0	0	*	b, c	cb, oy	by, 30	bm, bcb	
	Winchester	1027.2	+6	NE'E	3	C	71	65	7	5	-	-	9+	9+	4000	1028.2	+8	NE	3	30	72	65	7	-	-	-	0	0	-	0	0	*	bcc	cb	b	bccm	
	Boscombe Down	1026.3	+6	ENE	2	C	73	55	8	7	-	-	7-8	7-8	4000	1027.6	+8	ENE	3	b	74	65	8	-	-	-	Tr	Tr	4000	0	*	bccy	bcyb	bm	bm		
	Calshot, S'thmtn	1026.5	+6	E	4	C	68	75	6	5	-	-	10	10	4000	1027.8	+2	E'S	3	b	65	85	7	-	-	-	0	0	-	0	0	2	bem	cm	bm	bm	
	Dungeness	*	*	NE	3	C	*	7	5	-	-	10	10	1500	*	*	ENE	3	b	*	*	7	-	-	-	1	1	1500	3	0	bc	bc	bc	bc			
	Lympe	1027.5	+10	NNE	4	C	62	75	9	5	-	-	9+	9+	1500	1028.8	+6	NNE	4	b	63	75	9	-	-	-	1	1	2500	0	*	bccv	cbcb	bvw	b, cm, b		
2	Shoeburyness	1028.2	+10	NE	4	C	64	85	8	5	-	-	9+	9+	2500	1029.1	0	ENE	3	b	65	75	8	-	-	-	0	0	-	0	0	*	bcc	cbcb	bc	b	
	Felixstowe	1028.4	+8	NE	3	bc	65	75	8	5	-	-	2-3	4-6	800	1029.0	+2	NE'E	3	b	65	85	9	-	-	-	0	0	-	0	0	1	cbc	bcbr	bvbc	bcc	
	Gorleston	1028.4	+10	0	0	bc	67	65	6	1	-	-	2-3	2-3	4000	1029.1	+4	NNW	2	b	67	65	6	-	-	-	0	0	-	0	0	2	cbc	bc	bcb	bm	
	Cranwell	1029.1	+8	ENE	2	C	71	75	8	7	-	-	9+	9+	4000	1029.2	0	SE	2	b	73	65	8	-	-	-	Tr	Tr	4000	0	*	bcc	cbcb	b	bm		
3	Birmingham	1027.4	+4	NNE	2	b	76	55	8	1	-	-	1	1	4000	1028.5	+4	ENE	2	b	75	55	8	-	-	-	0	1	-	0	1	*	b	b	b	b	
	Upper Heyford	1027.8	+6	ENE	3	bc	74	65	9	1	-	-	2-3	2-3	2500	1029.0	+10	ESE	2	b	73	65	9	-	-	-	1	0	Tr	-	0	*	bcc	bcby	b	bcc	
4	Ross-on-Wye	1026.8	+4	ENE	3	bc	76	55	8	1	-	-	2-3	4-6	4000	1027.9	+8	E'N	3	b	77	55	8	-	-	-	Tr	Tr	5700	0	*	cbc	bcby	b	bmw		
5	Portland Bill	1026.3	+16	SE	2	bc	67	75	6	5	-	-	2-3	4-6	2500	1027.7	+12	E	2	b	63	85	7	-	-	-	0	0	-	0	0	2	c	bc	bcc	vc	
	Plymouth	1027.2	+14	ESE	1	30	76	65	4	1	-	-	4-6	4-6	4000	1027.6	+6	SW	3	30	66	75	6	-	-	-	1	Tr	Tr	4000	0	2	c	cbem	cb	b	
	The Lizard	1026.8	+4	NE	2	C	72	65	7	5	-	-	4-6	7-8	2500	1027.9	+6	0	0	C	73	65	8	-	-	-	4-6	9	2500	0	0	cbc	bc	bc	b		
	Scilly (St. Mary's)	1027.2	+6	NNE	2	bc	67	85	7	-	-	-	2	0	4-6	1027.9	+4	NNE	3	bc	64	85	7	-	-	-	1	4-6	4000	0	1	cbc	bc	bc	b		
	Guernsey	1025.3	+6	ENE	3	b	72	55	7	-	-	-	0	0	-	1026.2	+6	NE	4	bc	66	75	8	-	-	-	1	1	0	4-6	-	0	2	cbc	bc	b	bcc
6	Pembroke	1027.7	+6	NNW	3	C	71	75	6	4	-	-	4-6	7-8	4000	1027.6	+2	NNE	3	bc	69	75	7	-	-	-	0	4-6	-	0	1	cm	cbc	b	b		
7	Holyhead	1029.4	+12	NNW	3	bc	62	85	8	5	-	-	Tr	4-6	450	1030.3	+6	N	1	b	60	85	8	-	-	-	1	0	1	-	0	1	bcc	bc	b	b	
	Chester (Sealand)	1028.8	+6	NNW	3	b	72	65	7	1	-	-	Tr	1	4000	1030.2	+10	NW	3	b	66	75	8	-	-	-	0	1	-	0	1	*	b	b	bm		
8	L'pool (Bidston)	1029.6	+6	NW	2	b	67	75	8	-	-	-	0	0	-	1030.5	+6	NW	2	b	67	75	8	-	-	-	1	0	1	-	0	1	wcb	b	bm		
9	Harrogate	1027.6	+6	SSW	2	C	78	55	7	8	-	-	7-8	7-8	4000	1028.7	+6	S	1	C	76	65	7	-	-	-	0	7-8	-	0	*	cbc	cbc	bc	b		
10	Spurn Head	1028.5	+4	0	0	bc	70	75	8	1	-	-	2-3	2-3	5700	1028.8	0	SSW	2	bc	66	(75)	8	-	-	-	2	8	0	2-3	-	0	1	bccbc	bc	bc	b
	Catterick	1027.4	0	SSW	1	C	77	55	8	5	-	-	7-8	7-8	2500	1029.0	+10	N	2	30	73	65	6	-	-	-	0	Tr	-	0	0	*	bccbc	bcby	30b	b	
	Tynemouth	1029.2	+10	0	0	bc	67	75	6	5	-	-	2-3	2-3	1500	1029.1	+4	E	1	b	68	75	6	-	-	-	0	0	-	0	0	0	0	bc	bc	bc	bc
11	Inchkeith	1027.9	+4	WSW	1	b	74	65	8	7	-	-	1	1	4000	1028.2	0	WSW	2	b	75	55	9	-	-	-	1	Tr	-	0	1	bcb	bv	bcc	b		
	Leuchars	1026.9	-2	NW	3	b	81	35	9	1	-	-	Tr	Tr	2500	1027.4	+2	NNW	3	b	82	35	9	-	-	-	5	Tr	1	5700	0	*	bcbv	bv	b	b	
12	Renfrew (Abbott)	1028.5	+6	NNW	3	b	74	45	9	-	-	-	0	0	-	1030.1	+10	W	3	b	73	45	9	-	-	-	1	0	1	-	0	1	bbv	bv	b	b	
	Eskdalemuir	1027.0	+6	WSW	2	b	78	55	8	1	-	-	1	1	4000	1028.7	+10	NNW	2	b	78	45	6	-	-	-	Tr	Tr	-	0	0	*	by	by	by	by	
13a	Tiree	1030.6	+12	WSW	2	C	59	75	8	5	-	-	9+	9+	2500	1032.0	+8	W	2	C	57	85	8	-	-	-	9+	9+	2500	0	1	cim	c	c	c		
13b	Stornoway	1027.2	+12	W	4	C	63	75	8	7	-	-	4-6	7-8	2500	1032.0	+8	SW	4	C	62	95	8	-	-	-	4-6	7-8	1500	1	2	bcc	c	c	c		
15	Dalwhinnie	1028.0	+4	W	2	b	75	45	8	-	-	-	0	1	-	1030.5	+8	W	2	b	73	45	8	-	-	-	0	0	-	0	0	*	b	b	b	b	
	Aberdeen	1026.7	+4	SE	3	b	77	45	8	1	-	-	1	1	4000	1028.7	+8	SE	2	bc	74	55	7	-	-	-	1	2-3	4000	0	1	b	bcb	bcc	b		
	Wick	1027.1	+12	SE	2	bc	63	85	8	2	-	-	2-3	2-3	2500	1028.3	+8	NNW	3	bc	67	75	8	-	-	-	1	2-3	4-6	2500	0	2	bc	bc	cbc	bcc	
16	Lerwick	1024.6	+16	WSW	4	id	55	95	5	5	-	-	10	10	450	1026.7	+20	NNW	4	C	55	95	6	-	-	-	7-8	9+	450	0	*	cidm	cidm	cidm	cidm		
17	Blacksod Point	1030.8	+14	NNE	2	b	64	75	8	2	-	-	1	1	2500	1032.1	+8	N	1	b	61	85	8	-	-	-	0	0	-	0	0	1	bc	bc	bc	b	
18	Malin Head	1031.1	+10	NW	3	C	59	85	6	7	-	-	9	9	800	1032.6	+2	W	1	bc	59	85	7	-	-	-	2-3	2-3	2500	0	1	ofbc	cbc	bcc	b		
	Aldergrove	1030.0	+2	NW	2	b	71	65	8	7	-	-	1	1	1500	1031.6	+10	NNW	3	b	69	65	8	-	-	-	Tr	Tr	2500	0	0	offb	by	b	b		
	Donaghadee	1031.2	+8	N	1	of	60	85	3	5	-	-	10	10	800	1031.3	+6	N	1	bc	60	75	8	-	-	-	2-3	4-6	2500	0	0	off	offbc	bcc	b		
19	Birr Castle	1029.5	+4	NE	1	C	74	65	8	5	-	-	7-8	7-8	2500	1030.0	+6	NE	1	C	75	65	8	-	-	-	7-8	7-8	2500	0	*	f	fcc	c	c		
20	Valentia Obay.	1029.5	+4	NE	3	C	73	65	8	8	-	-	2-3	7-8	2500	1030.6	+8	E'N	3	C	70	75															

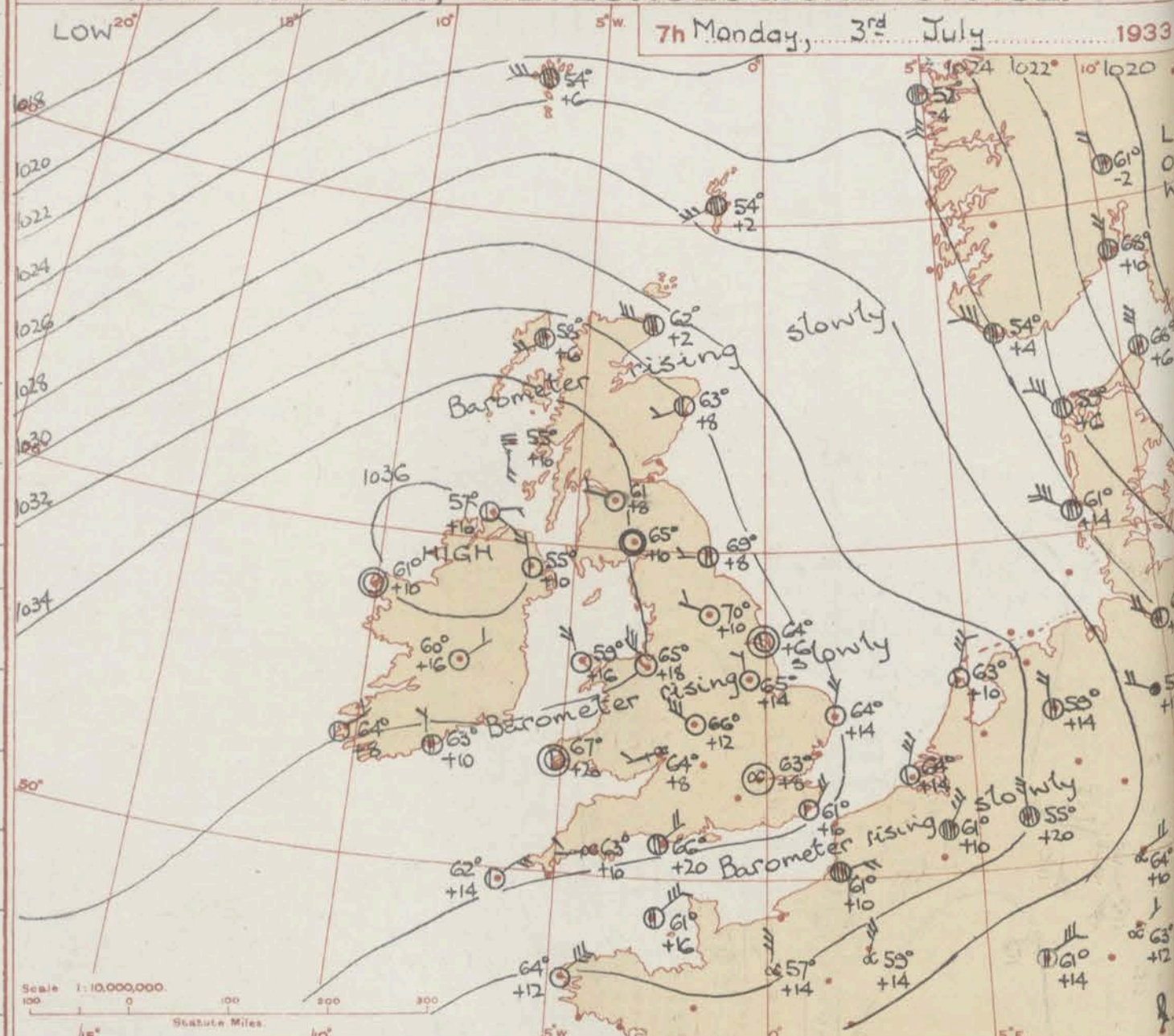


# REPORTS from HEALTH RESORTS for 2nd July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. 1st.	Max. 9h. 17h. 2nd.	Night. 17h. 1st. to 9h. 2nd.	Day. 9h. 17h. 2nd.	Sunrise to 17h. 2nd.	Sunrise to Sunset. 1st.
1 Tunbridge W.	bec	cb	52	69	-	-	6.2	13.2
Bournemouth	bc	b	60	76	-	-	8.3	12.8
Ventnor	bz	bc bz	61	69	-	-	9.9	12.5
Southsea	b	b	62	73	-	-	9.7	13.6
Bognor Regis	b	bcc	60	70	-	-	10.2	12.3
Littlehampton	bc	bc	58	71	-	-	11.0	13.6
Worthing	bbe	beb	59	70	-	-	11.9	13.1
Brighton	beb	b	59	74	-	-	11.2	12.1
Eastbourne†	bbe	bcbv	58	68	-	-	10.6	10.5
Hastings†	bcbbe	beb	58	71	-	-	9.0	11.1
Folkestone	bbee	bcb	57	68	-	-	8.1	11.3
Dover...	bce	obc	58	66	-	-	6.0	13.0
Deal	bbe	ob	57	67	-	-	6.4	12.4
Ramsgate	bce	cb	58	67	-	-	6.5	11.8
Margate	bce	b	58	67	-	-	5.2	12.2
2 Southend	co	ceb	56	68	-	-	5.9	12.0
Maldon	be	cb	55	71	-	-	5.8	12.2
Clacton-on-Sea	bce	bcb	55	66	-	-	5.8	12.2
Dovercourt	bce	bc	54	73	-	-	5.1	11.3
Lowestoft	cbcb	b	52	66	-	-	6.2	12.1
Skewness	om	b	52	67	-	-	5.4	10.3
Mablethorpe	bccov	bv	51	69	-	-	6.8	10.0
Cleethorpes	b	b	58	73	-	-	12.1	10.4
3 Leamington S.	bc	b	59	77	-	-	12.0	7.4
4 Cheltenham†	b	b	58	80	-	-	8.3	8.2
5 Bath	bcb	b	58	79	-	-	9.8	6.0
Weymouth	bcb	b	58	71	-	-	7.2	13.4
Jersey	b	b	54	76	-	-	11.2	14.0
Torquay	cbcb	bz	61	76	-	-	7.3	14.5
Penzance	cbcb	bcb	59	76	-	-	6.2	13.8
St. Ives	b	b	59	67	-	-	5.2	15.0
Bude	wbbc	bcb	80	80	-	-	7.2	14.0
Ilfracombe	b	b	60	71	-	-	9.5	12.3
6 Aberystwyth	b	b	56	69	-	-	11.8	6.4
7 Llandudno	b	b	56	70	-	-	10.7	4.2
Colwyn Bay	b	b	54	68	-	-	10.5	6.0
Rhyl	b	b	53	67	-	-	10.6	6.5
8 Wallasey	b	b	58	69	-	-	10.6	4.7
Southport	b	b	55	72	-	-	9.5	4.7
Blackpool	beb	bbe	55	71	-	-	11.5	4.8
Morecambe	b	b	56	74	-	-	11.8	6.0
9 Hkley	b	b	56	84	-	-	6.2	2.5
10 Berwick-on-T.	b	b	57	70	-	-	13.1	10.5
11 Dumbar	bc	bc	57	78	-	-	12.9	11.2
12 Troon	bcb	b	52	64	-	-	7.5	2.9
Douglas	bc	b	53	73	-	-	11.5	6.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd July, 1933.
1. S.E. England	Wind northeasterly, light or moderate; fine; warm or very warm, except locally on coast.
2. E. England...	Wind variable, light; fine; warm or very warm.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind northeasterly, light or moderate; fine; warm or very warm.
6. South Wales	
7. North Wales	Wind northerly or variable, light; fine; warm or very warm, except locally on coast.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Wind westerly or variable, light; fine or fair; warm or very warm.
13. A.W. Scotland & N.W. Scotland	Wind southwest, light to fresh; cloudy, brighter intervals; perhaps local showers; rather warm.
14. Mid. Scotland	As 11 - 12.
15. N.E. Scotland	
16. Orkneys and Shetlands	As 13B.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	As 2 - 4.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
 WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees.  
 WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/8 cloudy. ☁☁ Sky 1/8 to 1/4 cloudy. ☁☁☁ Sky 1/4 to 1/2 cloudy. ☁☁☁☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. ▲ Hail. ☁☁☁☁☁ Fog. ☁☁☁☁☁ Mist. T Thunder. T Thunderstorm. ☁☁☁☁☁ Haze.  
 SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A well-established anticyclone centred over Ireland covers the British Isles. A depression is moving eastwards towards Iceland. Weather will be fair or fine and warm generally, except perhaps in extreme Northern Scotland.

### FURTHER OUTLOOK.

Fine or fair generally, except perhaps in the extreme Northwest and North.

Forecasts issued at 0905 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.																											
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—18h.														Weather			Temperature.			Rainfall.		Sun- shine to Sunset.		Humidity.		Atmospheric Pollution.				COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.						COLUMNS 8, 22.—Code for surface visibility. Objects not visible at					
Height above M.S.L. in feet.														Morning. Afternoon. Night.			Day Max. Night Min. Min. on Grass of.			Day. Night.		Sun- shine to Sunset.		15h. G.M.T. 9h. G.M.T.		Milligrams of Solid Impurity per cubic metre.															
24 hrs. ended 9h.																	°F. °F.			mm. mm.		Yesterday. To-day.				24 hrs. ended 7h. G.M.T. 3rd...															
																										SOUTH KENSINGTON.															
																										Max. Time. Min. Time.															
																										1.0 4-7h Nil 2-17h 2nd															
																										KEW OBSERVATORY.															
																										Max. Time. Min. Time.															
																										0.2 7h 40.1 15h 2nd															
Kew ... .. 18														bccc			bcby			bymo			75 56 49		- -		11.6		.		6										
CROYDON ... .. 217														bm,c			cb			bm,			71 54 49		- -		10.0		.		6										
GREENWICH (Royal Observatory) ... 149														c			cb			bys			73 . .		.		.		.		.										
CITY (Bunhill Row) ... ..														.			.			.			.		.		.		.		.										
WESTMINSTER (St. James' Park) ... 27														.			.			.			73 57 53		-		10.6		54 56		.										
REGENTS PK. (Botanic Gardens) ... 108														.			.			.			77 58 50		-		12.3		55 57		.										
CAMDEN SQUARE ... .. 110														c			cb			.			77 59 54		-		.		61		.										
KENSINGTON ... .. 80														bc			bc			.			75 58 50		-		10.7		At 18h. 60		.										
HAMPSTEAD OBSERVATORY ... .. 450														bc			bc			b			71 58 52		-		11.3		58 60		.										

FOREIGN OBSERVATIONS.														COLUMNS 30.—Code for State of Sea.																																	
18h. G.M.T. 2nd July														7h. G.M.T. 3rd July														Past 24 Hours.														COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.					
Barom. Wind. Weather. Temp.														Barom. Wind. Weather. Temp.														Max. Min. Rainfall.																			
STATIONS.														STATIONS.														STATIONS.																			
Paris ... .. 1024.9 NNE 2 b 70														Paris ... .. 1025.9 NNE 3 3 59														Paris ... .. 75 59 - -																			
BRUSSELS ... .. 1025.4 NNW 4 0 60														BRUSSELS ... .. 1030.6 NNE 3 0 61														BRUSSELS ... .. 70 57 Tr Tr																			
BERLIN ... .. 1021.9 W 1 c 68														BERLIN ... .. 1025.1 W 1 10 59														BERLIN ... .. 70 55 - -																			
ZURICH ... .. 1021.0 NNE 2 c 72														ZURICH ... .. 1024.3 ENE 1 b 57														ZURICH ... .. 77 52 - -																			
ROME ... ..														ROME ... .. 1023.8 NNE 1 b 68														ROME ... .. 54 - -																			

§ The periods referred to in Cols. 31, 32, 34 and 35 are 7<sup>th</sup>, 17<sup>th</sup> and 17<sup>th</sup>-7<sup>th</sup> in this Report.



EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

- 0 No cirriform cloud.
- 1 Fine Ci not increasing: sparse.
- 2 Fine Ci not increasing: abundant but not a continuous layer.
- 3 Anvil Ci (usually dense).
- 4 Fine Ci increasing: usually in tufts.
- 5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
- 6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
- 7 Veil of Ci-St covering whole sky.
- 8 Ci-St not increasing and not covering whole sky.
- 9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

0 Dry.	5 Covered with ice or glazed frost.
1 Wet.	6 Partly covered by snow or hail.
2 Flooded.	7 Covered with snow, less than 6 ins., but ground not frozen.
3 Covered with thawing snow.	8 Covered with snow, less than 6 ins., and ground frozen.
4 Frozen hard and dry.	9 Covered with snow greater than 6 ins. deep.

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



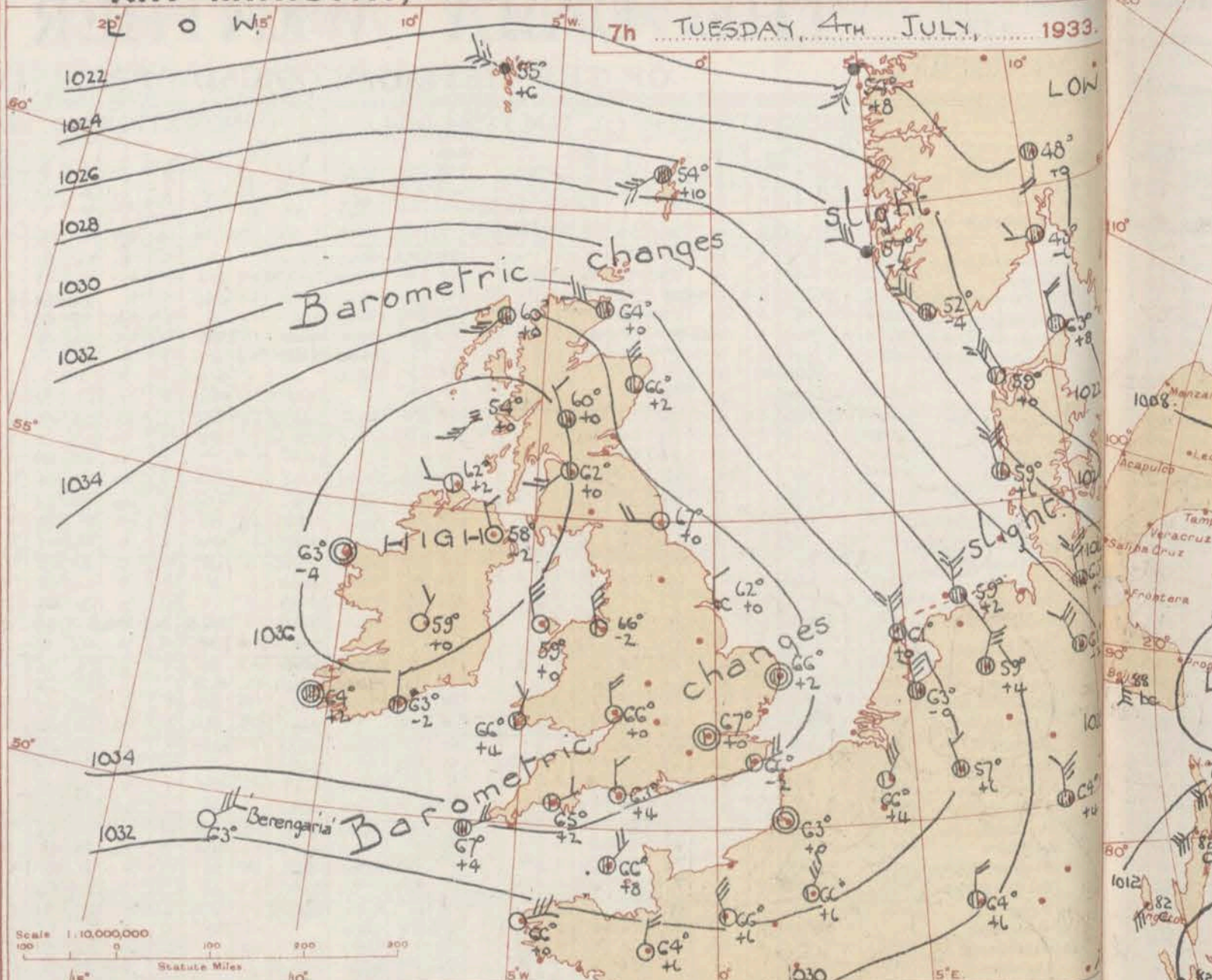
# REPORTS from HEALTH RESORTS for 3rd July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. to 3h.	Max. 3h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 17h.
1	Tunbridge W.	b	b	48	81	-	-	12.3	8.9
	Bournemouth	b	b	54	77	-	-	10.0	10.1
	Ventnor	b3b	b	60	72	-	-	11.7	11.8
	Southsea	b	b	58	77	-	-	12.0	12.3
	Bognor Regis	b	b	58	72	-	-	11.8	12.7
	Littlehampton	b	b	56	74	-	-	12.1	13.2
	Worthing	b	b	57	69	-	-	12.4	14.8
	Brighton	b	bc	58	73	-	-	11.9	13.9
	Eastbourne	bv	bv	57	70	-	-	12.3	13.2
	Hastings	b	b	55	78	-	-	12.5	11.6
	Folkestone	b	b	57	76	-	-	11.9	10.5
	Dover	yb	by	56	75	-	-	11.6	9.2
2	Deal	b	b	58	72	-	-	12.2	9.0
	Ramsgate	b	b	58	71	-	-	12.8	8.6
	Margate	b	bbc	59	68	-	-	12.6	8.0
	Southend	b	b	57	75	-	-	12.0	8.3
	Maldon	b	bv	56	80	-	-	12.0	8.4
	Clacton-on-Sea	bcb	bvc	56	71	-	-	12.2	8.4
	Dovercourt	b	bv	45	72	-	-	12.6	7.4
	Lowestoft	b	b	54	71	-	-	12.8	8.7
	Skegness	b	b	59	70	-	-	12.5	7.7
	Mablethorpe	b	b	55	70	-	-	12.5	8.7
	Cleethorpes	b	b	58	73	-	-	11.8	13.7
	Leamington S.	b	b	60	85	-	-	11.8	14.5
3	Cheltenham	b	by	60	86	-	-	11.8	10.9
	Bath	b	b	57	86	-	-	11.0	12.9
	Weymouth	bcb	b	56	74	-	-	9.3	9.0
	Jersey	bcb	b	59	74	-	-	11.0	14.2
	Torquay	b3c	b	57	76	-	-	11.5	9.8
	Penzance	b	b	56	79	-	-	11.7	6.3
	St. Ives	b	b	59	71	-	-	12.3	6.3
	Bude	b	b	53	71	-	-	11.8	8.0
	Ilfracombe	b	b	61	76	-	-	12.3	12.1
	Aberystwyth	b	b	58	69	-	-	11.7	14.2
	Llandudno	b	b	56	72	-	-	12.3	13.4
	Colwyn Bay	b	b	58	70	-	-	12.6	13.6
4	Rhyl	b	b	54	70	-	-	12.6	13.8
	Wallasay	b	b	61	71	-	-	12.6	13.7
	Southport	b	b	59	74	-	-	12.3	13.4
	Blackpool	bcb	b	56	72	-	-	12.2	14.2
	Morecambe	b	b	55	82	-	-	12.0	14.8
	Hikley	b	b	55	88	Trace	-	11.1	6.2
	Berwick-on-T.	b	b	58	74	-	-	13.3	16.1
	Dunbar	bc	bc	56	83	-	-	12.5	15.8
	Tron	bcb	bcb	54	67	-	-	12.7	10.0
	Douglas	b	b	55	76	-	-	12.1	14.7

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY 4th JULY 1933.



BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 cloudy. ☂ Sky 1/2 to 3/4 cloudy. ☄ Sky 3/4 to 5/8 cloudy. ☁ Overcast sky. ● Rain falling. \* Snow. \* Sleet. ▲ Hail. ☁ Fog. ☁ Mist. T Thunder. T Thunderstorm. ☁ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A large anticyclone centred over Northern Ireland covers the British Isles. Except perhaps for local drizzle in extreme Northern Scotland weather will be fine and warm or very warm.

### FURTHER OUTLOOK.

Continuing fair or fine, except perhaps in the extreme North.

Forecasts issued at 1030 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



1933.

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† The observations are from Valencia W/T station      ‡ Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION  
Wednesday 5th. July 1933.  
No. 26,158

Distance.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 4th. July														OBSERVATIONS at 18h. G.M.T. 4th. July														PAST 24 HOURS.												
		Barom. at m.b.	Change in 2 hours.	Wind. Dir.	Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						Barom. at m.b.	Change in 2 hours.	Wind. Dir.	Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						State of Ground. 0-9	Sea. 0-9	WEATHER.										
										Form.			Amount.		Height of Base. (feet)									Form.			Amount.		Height of Base. (feet)			Th.—13h. 4th.	13h.—18h. 4th.	18h. 4th to 1h. 5th.	1h.—Th. 5th.							
										Low.	Med.	High.	Low 0-10	Total 0-10										Low.	Med.	High.	Low 0-10	Total 0-10														
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)		
1	London (Kew)...	1033.1	-10	SE	2	b	81	35	6	1	-	-	1	1	4000	1031.6	-6	SSW	3	bc	81	55	8	1	-	-	2.3	2.3	4000	0	*	by	by	by	b	by	by	b	by	by	b	
	Croydon	1032.7	-10	SE	2	b	82	45	8	1	-	-	Tr	Tr	4000	1031.6	-2	SE	2	bc	79	55	8	7	-	-	2.3	2.3	4000	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	S. Farnborough	1032.2	-10	NNW	1	bc	84	35	7	1	-	-	4.6	4.6	4000	1031.7	-2	SSW	3	b	75	55	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Winchester	1032.6	-10	SSE	3	b	80	55	7	1	-	-	1	1	4000	1031.9	-2	SSE	3	b	72	65	9	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Boscombe Down	1031.9	-14	-	0	bc	82	55	6	1	-	-	4.6	4.6	4000	1031.2	-2	S'W	3	b	72	65	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Calshot, S'thmtn	1033.6	0.3	SE	4	b	74	65	7	-	-	-	0	0	-	1032.4	-6	E	3	b	68	75	8	-	-	-	0	0	-	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Dungeness	1033.6	0.3	E	3	b	74	65	7	-	-	8	0	0	-	1032.4	-6	NE	2	b	68	75	7	-	-	-	0	0	-	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Lympne	1033.5	-6	ESE	4	b	71	65	9	-	-	-	0	0	-	1032.4	-6	ESE	3	b	67	65	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
2	Shoeburyness	1034.2	-4	ESE	3	b	70	75	8	1	-	-	Tr	Tr	4000	1032.3	-12	SE	3	b	70	75	8	-	-	-	0	0	-	0	*	b	b	b	b	bz	bz	b	bz	bz	b	
	Felixstowe	1034.4	-4	ESE	3	b	68	65	8	1	-	-	1	1	4000	1033.0	-6	SES	2	b	65	85	9	1	-	-	-	0	0	-	0	1	b	bz	bz	b	bz	bz	b	bz	bz	b
	Gorleston	1034.1	-4	SSE	1	bc	66	85	6	1	3	-	2.3	4.6	2500	1033.1	-6	-	0	b	66	85	7	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Cranwell	1033.2	-10	SE	1	b	83	45	8	-	-	-	0	0	-	1032.4	0	E'S	3	b	78	65	7	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
3	Birmingham	1031.8	-6	NNW	2	b	81	45	6	-	-	-	0	0	-	1031.0	-8	NNW	1	b	80	45	6	-	-	-	0	0	-	0	*	b	b	b	b	bz	bz	b	bz	bz	b	
	Upper Heyford	1032.6	-14	ENE	3	bc	82	45	7	1	-	-	2.3	2.3	4000	1030.9	-8	E	2	b	81	45	7	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
4	Ross-on-Wye	1031.3	-12	NE	3	b	82	45	8	-	-	1	0	1	-	1030.2	-10	NE	2	b	82	45	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
5	Portland Bill	1033.7	-6	NW	1	b	67	85	7	-	-	-	0	0	-	1031.2	-10	SE	3	b	66	85	7	-	-	-	0	0	-	0	2	b	b	b	b	bz	bz	b	bz	bz	b	
	Plymouth	1033.0	-10	SSW	3	bc	71	75	8	1	-	-	1	1	2.3	5700	1031.5	-8	S	2	b	68	75	8	-	-	-	0	0	-	0	0	b	bz	bz	b	bz	bz	b			
	The Lizard	1033.0	-2	NE	2	bc	73	55	8	7	4	-	2.3	4.6	5700	1031.0	-8	ENE	2	b	73	55	8	7	4	-	1	1	4000	0	1	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Scilly (St. Mary's)	1032.8	-6	E	4	bc	74	65	8	-	-	3	0	4.6	-	1031.6	-14	ENE	3	bc	70	65	7	-	-	5	0	2.3	-	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Guernsey	1032.6	-4	NE	4	b	73	65	8	-	-	-	0	0	-	1030.0	-12	NE	3	b	67	75	8	-	-	-	0	0	-	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
6	Pembroke	1033.4	-8	NW	1	b	75	65	8	1	-	1	Tr	1	5700	1030.7	-12	NNW	1	b	75	55	7	1	-	-	Tr	Tr	5700	0	1	bz	bz	bz	b	bz	bz	b	bz	bz	b	
7	Holyhead	1034.7	-10	NNW	3	b	62	85	9	-	-	1	0	Tr	-	1032.2	-14	NW	2	b	62	85	9	-	-	1	0	Tr	-	0	1	b	bz	bz	b	bz	bz	b	bz	bz	b	
	Chester (Sealand)	1034.7	-8	NNW	3	b	73	45	8	-	-	1	0	Tr	-	1032.3	-10	NNW	3	b	71	65	8	-	-	1	0	Tr	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
8	L'pool (Bidston)	1034.7	-2	NNW	2	b	67	75	8	-	-	-	0	0	-	1032.7	-8	NNW	2	b	68	75	9	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
9	Harrogate	1033.2	-6	NW	1	b	79	45	8	1	-	-	Tr	Tr	4000	1032.3	-6	SE	3	b	76	55	9	-	-	-	0	0	-	0	*	b	b	b	b	bz	bz	b	bz	bz	b	
10	Spurn Head	1033.9	-2	NE	3	bc	71	75	7	5	-	-	2.3	2.3	4000	1032.9	-2	ESE	4	bc	62	85	6	-	2	-	0	2.3	-	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Catterick	1033.3	-10	NE	2	bc	79	55	6	-	-	-	0	0	-	1031.5	-10	SEE	3	b	77	55	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Tynemouth	1034.3	-4	SE	1	bc	67	75	8	5	-	-	2.3	2.3	1500	1032.1	-18	SE	3	b	64	85	7	-	-	-	0	0	-	0	1	bz	bz	bz	b	bz	bz	b	bz	bz	b	
11	Inchkeith	1033.4	-8	W	1	b	75	65	8	-	-	-	0	0	-	1031.3	-18	N	1	b	72	65	7	-	-	-	0	0	-	0	1	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Leuchars	1032.6	-6	E	3	b	70	45	9	1	-	-	Tr	Tr	4000	1030.1	-18	ESE	3	b	77	55	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
12	Renfrew (Abbotts)	1033.7	-14	WSW	2	b	77	55	9	-	-	-	0	0	-	1031.7	-10	W	2	b	77	65	9	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Eskdalemuir	1032.7	-6	SW	3	b	79	35	9	1	-	-	Tr	Tr	4000	1031.0	-8	S'W	3	b	79	45	9	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
13a	Tiree	1035.3	-4	SW	2	c	62	85	7	5	6	-	2.3	7.8	2500	1033.7	-10	NNW	1	bc	57	85	7	5	-	-	2.3	2.3	2500	0	1	if	cm	bc	bc	bc	bc	bc	bc	bc		
13b	Stornoway	1035.3	-4	SSW	3	bc	65	75	8	5	4	-	2.3	4.6	1500	1031.5	-4	W	2	bc	62	75	8	7	-	-	2.3	2.3	2500	0	1	if	cm	bc	bc	bc	bc	bc	bc	bc		
15	Dalwhinnie	1033.5	-8	NW	1	b	75	55	8	-	-	-	0	0	-	1031.5	-4	NW	2	b	75	45	8	-	-	-	0	0	-	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Aberdeen	1032.5	-8	SE	3	bc	73	65	8	7	-	-	2.3	2.3	4000	1031.6	-2	SSE	3	bc	70	65	7	1	-	-	4.6	4.6	5700	0	1	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Wick	1031.3	-4	WNW	3	c	75	76	8	5	1	-	4.6	7.8	2500	1032.4	+4	WNW	4	c	59	95	8	8	1	-	4.6	7.8	2500	0	2	bz	bz	bz	b	bz	bz	b	bz	bz	b	
16	Lerwick	1028.5	+10	WNW	4	o	56	95	6	5	-	-	10	10	450	1029.1	+6	W'S	4	ld	56	95	6	5	-	-	10	10	450	0	*	oif	ld	ld	ld	ld	ld	ld	ld	ld	ld	
17	Blackad Point	1034.5	-10	-	0	b	74	65	9	1	-	-	1	1	2500	1031.3	-10	-	0	b	73	65	8	1	-	-	Tr	Tr	2500	0	0	b	bz	bz	b	bz	bz	b	bz	bz	b	
18	Malin Head	1035.8	-12	N	1	b	63	85	9	5	-	-	Tr	Tr	4000	1033.7	-10	E'S	2	b	60	85	7	5	-	-	Tr	Tr	5700	0	1	b	bz	bz	b	bz	bz	b	bz	bz	b	
	Aldergrove	1035.4	-12	NW	2	b	73	55	8	1	-	-	Tr	Tr	4000	1032.9	-8	NNW	1	b	75	55	9	1	-	-	Tr	Tr	4000	0	*	bz	bz	bz	b	bz	bz	b	bz	bz	b	
	Donaghade																																									



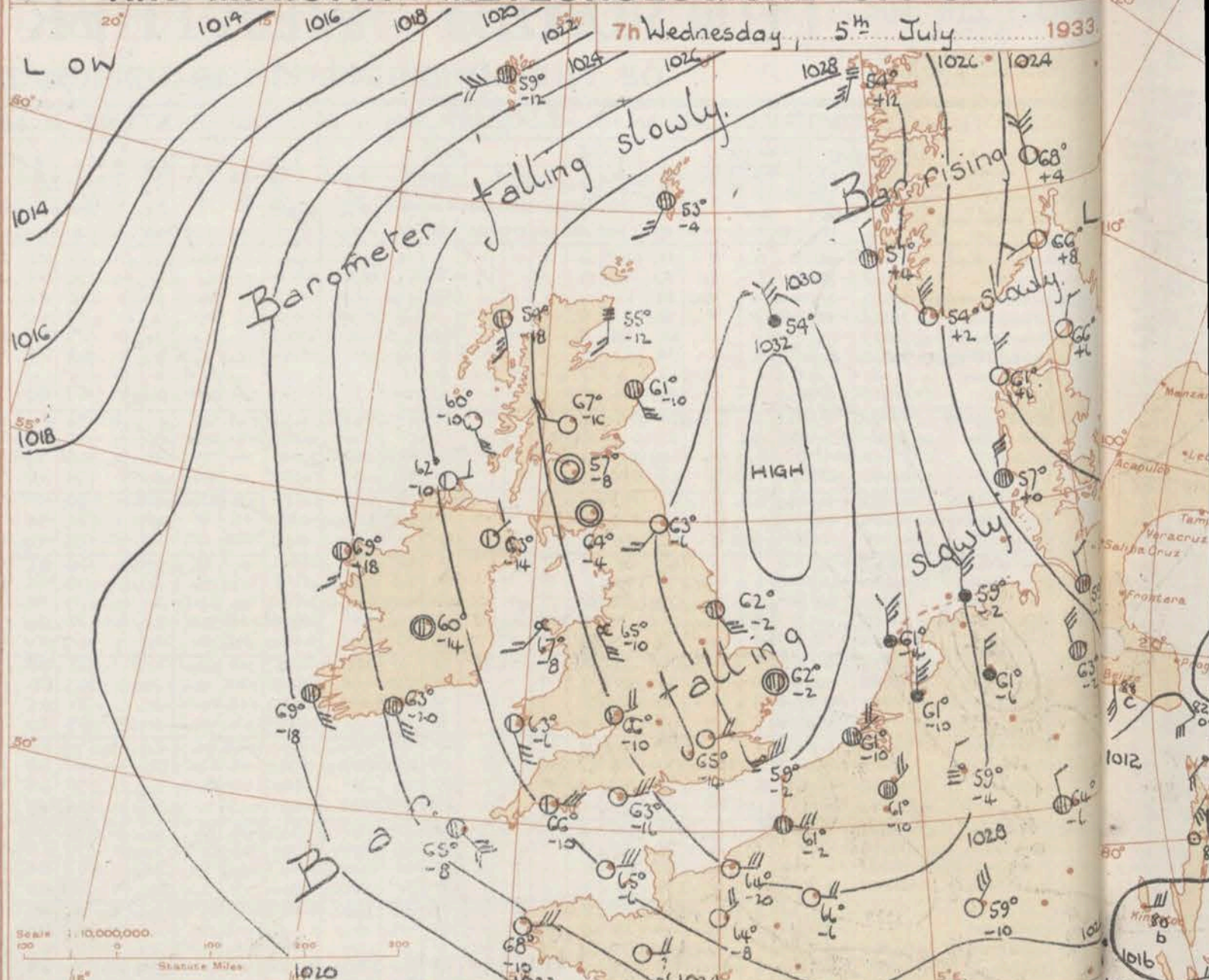
# REPORTS from HEALTH RESORTS for 4th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. to 4h.	Max. 4h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunrise to Sunset.
1	Tunbridge W.	b	b	51	83	-	-	12.3	14.9
	Bournemouth	b	b	58	81	-	-	11.9	12.4
	Ventnor	b	b	64	76	-	-	11.6	13.8
	Southsea	b	b	60	70	-	-	11.9	14.3
	Bognor Regis	b	b	59	73	-	-	12.3	14.1
	Littlehampton	bcb	b	58	73	-	-	12.5	14.4
	Worthing	b	b	59	71	-	-	12.5	15.1
	Brighton	bcb	b	58	72	-	-	12.2	14.5
	Eastbourne	b	b	57	71	-	-	12.4	14.6
	Hastings	b	b	59	75	-	-	12.8	15.0
	Folkestone	bomb	b	55	70	-	-	10.7	14.6
	Dover	b	b	56	71	-	-	12.4	13.9
2	Deal	bmb	b	53	70	-	-	9.5	14.9
	Ramsgate	b	b	55	68	-	-	12.8	15.1
	Margate	b	b	59	71	-	-	12.7	15.4
	Southend	b	b	60	75	-	-	12.6	14.5
	Maldon	b	b	53	78	-	-	12.3	14.5
	Clacton-on-Sea	bcb	b	58	69	-	-	12.7	15.1
	Dovercourt	bv	bv	55	71	-	-	12.8	15.3
	Lowestoft	b	b	53	69	-	-	12.3	15.5
	Skegness	b	b	54	72	-	-	12.3	15.4
	Mablethorpe	b	b	50	71	-	-	12.0	14.9
	Cleethorpes	b3	b	53	73	-	-	12.0	14.3
	Leamington S.	b3	b3	59	85	-	-	12.0	13.2
3	Cheltenham	b3b3	b3	59	86	-	-	11.8	14.0
	Bath	b	b	59	87	-	-	11.5	13.3
	Weymouth	b	b	59	77	-	-	12.0	11.1
	Jersey	b	b	60	80	-	-	12.5	14.0
	Torquay	b	b	60	75	-	-	12.0	13.7
	Penzance	b	bcb	61	79	-	-	11.0	13.3
	St. Ives	b	b	62	78	-	-	11.7	14.9
	Bude	bcb	bcb	59	79	-	-	11.3	13.6
	Ilfracombe	b	b	63	76	-	-	11.0	14.4
	Aberystwyth	b	b	56	72	-	-	12.5	14.6
	Llandudno	b	b	53	73	-	-	12.4	15.0
	Colwyn Bay	b	b	57	70	-	-	12.7	15.8
4	Rhyl	b	b	51	70	-	-	12.6	15.7
	Wallasey	b	b	61	70	-	-	12.6	15.7
	Southport	b	b	57	72	-	-	12.5	15.6
	Blackpool	b	b	57	70	-	-	12.4	15.3
	Morecambe	b	b	56	80	-	-	12.6	15.0
	Ilkley	b	b	53	85	-	-	11.0	14.0
	Berwick-on-T.	b	b	57	67	-	-	13.4	16.3
	Dunbar	b	b	58	77	-	-	13.0	15.4
	Troon	bcb	bcb	56	65	-	-	12.0	15.3
	Douglas	b	b	59	74	-	-	12.1	15.2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th July, 1933.
1. S.E. England	Wind east or southeast, light or moderate; fair or fine; cooler, but still warm inland.
2. E. England...	
3. E. Midlands	Wind southeasterly, light or moderate; fair or fine; warm or very warm.
4. W. Midlands	
5. S.W. England	Wind east or southeast, moderate, fresh locally on coast; fine or fair; very warm inland.
6. South Wales	
7. North Wales	Wind southeast or south, light or moderate; fine or fair; warm or very warm.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Wind southerly, light or moderate; fair or fine; warm or very warm inland.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Wind southeast or south, light or moderate; fine or fair; warm or very warm.
13. A.W. Scotland, B.N.W. Scotland	
14. Mid-Scotland	As 10 - 11.
15. N.E. Scotland	
16. Orkneys and Shetlands.	Wind southwesterly, moderate; cloudy; perhaps occasional drizzle; moderate temperature or rather warm.
17. N.W. Ireland	
18. N.E. Ireland	As 6 - 9.
19. S.E. Ireland	
20. S.W. Ireland	

## AIR MINISTRY METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.  
 WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees.  
 WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 1 clouded. ☄ Sky 1/2 to 1 clouded. ☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Haze.  
 SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone now centred over the North Sea is decreasing in intensity and drifting east. Wind will be easterly or southerly, light or moderate and weather fair or fine in most districts, somewhat cooler but still warm inland and in western areas.

### FURTHER OUTLOOK.

Mainly fair, but perhaps less settled in the West and North.

Forecasts issued at 1055 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 5th July 1933.

No. 26, 158

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 5th July														OBSERVATIONS at 7 hr. G.M.T. 5th July														PAST 24 HOURS.													
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.									
				Direc.	Force.					Form.	Amount.	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Form.	Amount.	Height of Base (feet).			Max. Day 7th-18th °F.	Min. Night 18th-7th °F.	Min. on Grass °F.	Day 7th-18th mm.	Night 18th-7th mm.										
																																		Low.	Med.	High.	Low.	Total 0-10	Low.	Total 0-10	Low.	Total 0-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)							
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1029.5	-8	E	3	b	67	65	7	-	-	-	0	0	-	0	*	85	59	51	-	-	13.6							
Croydon	217	1031.3	-8	-	0	b	59	95	7	-	5	-	0	1	-	1029.7	-14	E	2	b	65	65	8	-	-	-	0	0	-	0	*	83	55	51	-	-	14.1					
S. Farborough	237	*	*	*	*	*	*	*	*	*	*	*	*	1029.0	-10	E/N	2	b	65	75	7	-	-	-	0	0	-	0	*	87	53	44	-	-	14.1							
Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1028.5	-12	E	2	b	65	75	8	-	-	-	0	0	-	0	*	80	55	48	-	-	12.5							
Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1028.1	-16	E/S	2	b	65	75	8	-	-	-	0	0	-	0	*	84	58	51	-	-	13.8							
Calshot (S'thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1028.5	-6	ENE	3	b	66	75	8	-	-	-	0	0	-	0	1	74	61	56	-	-	14.1							
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	E	3	c	*	*	6	8	-	*	9	9	1500	*	2	67	57	*	-	-	15.3							
Lympe	346	1031.0	-10	NEE	3	b	56	95	8	-	-	-	0	0	-	1030.2	-2	E/N	3	m	59	95	4	-	-	-	10	10	220	0	*	73	53	51	-	-	15.3					
2 Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1030.3	-4	E/N	3	c	62	95	8	5	-	-	9	9	2500	0	*	74	52	42	-	-	14.9							
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1030.7	-2	NEE	3	c	61	85	7	5	2	-	9	10	1500	0	1	68	51	49	-	-	15.0							
Gorleston	5	1031.7	-10	-	0	b	61	85	7	-	-	-	0	0	-	1030.7	-2	-	0	c	62	85	6	5	-	9+	9+	2500	0	1	68	57	53	-	-	15.2						
Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1030.5	-2	E	1	b	62	85	6	-	-	-	0	0	-	0	*	85	53	49	-	-	14.3							
3 Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	1029.1	-8	SSE	1	b	63	75	7	-	-	-	0	0	-	0	*	85	59	50	-	-	13.6							
Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1028.9	-10	E	1	b	67	75	7	-	-	-	0	0	-	0	*	84	57	49	-	-	14.2							
4 Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1028.0	-10	ENE	2	b	66	75	7	1	-	-	-	Tr.	Tr.	4000	0	*	84	56	47	-	-	14.2						
5 Portland Bill	32	1029.8	-10	EN	3	b	64	85	8	-	-	-	0	0	-	1027.3	-16	E	3	b	63	85	8	-	-	-	0	0	-	0	2	71	61	*	-	-	14.5					
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1026.9	-10	E	3	b	66	75	8	1	3	1	Tr.	1	4000	0	1	77	61	59	-	-	14.5							
The Lizard	240	1027.8	-12	NE	3	bc	63	85	8	7	-	-	2.3	2.3	4000	1028.2	-10	NE/E	3	bc	65	85	8	4	-	1	2.3	4.6	4000	0	1	75	61	*	-	-	14.1					
Scilly (St. Mary's)	163	1027.6	-14	E	3	bc	62	85	8	5	-	3	1	2.3	4000	1024.3	-8	E/S	5	bc	65	85	7	-	4	-	0	4.6	-	0	3	75	61	*	-	-	15.3					
Guernsey	175	1027.4	-16	ENE	2	b	63	85	7	-	-	-	0	0	-	1026.1	-6	E	3	b	65	75	7	-	-	-	0	0	-	0	2	73	60	56	-	-	15.3					
6 Pembroke	142	1029.0	-4	ESE	2	b	62	85	8	7	-	-	2.4	2.4	4000	1026.3	-6	SE	3	b	63	85	7	5	-	-	1	1	5700	0	1	79	59	*	-	-	14.3					
Holyhead	26	1029.0	-18	ENE	3	b	62	75	8	-	-	1	0	Tr.	-	1027.0	-8	SW	2	3	67	65	7	-	-	-	0	0	-	0	0	63	58	48	-	-	16.0					
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1028.7	-10	SE/S	3	3	65	85	6	-	-	-	0	0	-	0	*	77	50	47	-	-	15.5							
7 L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	1028.6	-2	SE	3	b	66	75	6	-	-	-	0	0	-	0	*	69	60	59	-	-	15.2							
9 Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1030.5	-6	SSE	1	cf	59	95	3	5	-	-	7.8	7.8	<150	0	1	81	53	49	-	-	15.8							
10 Spurn Head	29	1031.6	-4	SSE	3	bc	61	95	7	-	2	-	0	2.3	-	1030.6	-2	ESE	3	bc	62	85	7	5	-	2.3	2.3	2500	0	1	72	56	*	-	Tr.	15.0						
Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1030.3	-4	S/E	2	f	58	95	2	5	-	-	10	10	<150	0	1	82	53	51	-	-	15.5							
Tynemouth	100	1031.3	-8	S	2	bc	61	95	6	5	-	-	2.3	2.3	800	1029.8	-6	SW	2	b	63	75	6	-	-	-	0	0	-	0	1	69	59	56	-	-	15.5					
11 Inchkeith	190	1030.7	-2	WSW	1	bc	63	95	7	5	5	-	2.3	4.6	1500	1029.3	-6	NW	2	bc	60	95	6	5	-	-	2.3	2.3	1500	0	0	81	57	49	-	-	15.1					
Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1028.9	-2	W	1	o/f	59	95	5	5	-	-	10	10	<150	0	*	78	55	46	-	-	15.8							
12 Renfrew (Abbotts)	18	*	*	*	*	*	*	*	*	*	*	*	*	1028.3	-8	-	0	b	57	95	5	-	-	-	0	0	-	0	*	79	47	44	-	-	16.1							
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1028.8	-4	-	0	b	64	85	8	-	-	-	0	0	-	0	*	82	50	44	-	-	15.4							
13a Tires	22	*	*	*	*	*	*	*	*	*	*	*	*	1027.3	-10	SE/E	3	b	60	85	8	-	3	-	0	1	-	0	1	63	45	38	-	-	8.7							
13b Stornoway	34	-	-8	-	0	bc	53	95	6	7	-	-	2.3	2.3	2500	1028.9	-16	W	2	b	67	65	8	7	-	-	2.3	2.3	2500	1	1	68	52	*	-	-	11.4					
15 Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1029.1	-10	SE/S	3	c	61	85	7	5	-	-	9	9	450	0	1	78	57	52	-	-	13.8							
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1028.3	-12	SSW	2	F	55	95	1	5	-	-	10	10	<150	0	2	75	53	*	-	-	13.4							
Wick	81	1031.2	-4	SSW	2	F	54	95	1	5	-	-	10	10	450	1028.3	-8	SW	3	F	55	95	1	5	2	-	4.6	7.8	450	0	*	57	52	*	-	-	11.4					
16 Lerwick	54	1029.3	0	W/S	3	m	53	95	4	5	-	-	10	10	450	1028.8	-4	SW	3	c	53	95	7	5	2	-	4.6	7.8	450	0	*	57	52	*	-	-	11.4					
17 Blacksod Point	18	1027.5	-20	-	0	bc	66	85	8	1	-	4	Tr.	4.6	800	1023.9	-18	S	2	bc	69	65	8	-	5	-	0	4.6	-	0	2	76	62	*	-	-	15.9					
18 Malin Head	52	1029.5	-18	SW	1	b	59	65	9	-	-	5	0	1	-	1026.4	-10	E/N	1	b	62	85	9	5	-	3	Tr.	Tr.	5700	0	0	63	55	*	-	-	15.9					
Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	1027.5	-14	NE	1	b	63	75	9	-	-	1	0	Tr.	-	0	*	76	51	41	-	-	15.5							
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	1028.1	-8	N	1	b	62	75	6	7	-	-	1	-	2500	0	0	64	54	*	-	-	15.5							
19 Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	1025.6	-14	-	0	bc	60	95	7	-	-	9	0	4.6	-	0	*	82	53	45	-	-	13.9							
20 Valentia Obay.	30	1027.3	-14	-	0	bc	66	75	8	1	1	1	2.3	4.6	4000	1022.9	-18	ESE	3	c	69	55	8	-	9	-	0	9	-	0	2	74	60	53	-	-	14.0					
Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	1025.4	-20	SE	3	c	63	85	8	5	-	-	7.8	7.8	2500	0	3	75	58	*	-	-	14.0							

## LONDON OBSERVATIONS.

Day 7h-18h, Kew & Croydon.  
9h-18h, Kensington.  
9h-21h, other stations, except  
Greenwich & Hampstead rainfall, 9h-18h.

STATIONS.	Barom. at M.S.L.	Wind.	Weather.	Temp. °F.	Humid. %	Visibility 0-9
Kew	18	by3	bybey	85	59	51
CROYDON	217	b3.7	bbyey	83	56	51
GREENWICH (Royal Observatory)	149	by	bbyey	84	56	47
CITY (Bunhill Row)						
WESTMINSTER (St. James' Park)	27			83	61	50
REGENTS PK. (Botanic Gardens)	108			85	61	53
CAMDEN SQUARE	110			87	61	50
KENSINGTON	80	b3bc	bby	86	60	51
HAMPSTEAD OBSERVATORY	460	bm	bc	82	58	55

## FOREIGN OBSERVATIONS.

STATIONS.	Barom. at M.S.L.	Wind.	Weather.	Temp. °F.	Humid. %	Visibility 0-9
PARIS	1029.7	NE	4	b	75	
BRUSSELS	1031.1	ENE	2	bc	84	
BERLIN	1022.5	WNW	3	c	70	
ECRICH	1026.6	ENE	1	bc	75	
ROME	1019.7	WNW	3	c	61	

Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine to Sunset hrs.	Humidity.		Visibility
	Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.		15h. G.M.T. %	9h. G.M.T. %	
	24 hrs. ended 9h.			°F.	°F.	°F.	mm.	mm.	Yesterday.		To-day.	
18	b43o	bybey	byb	85	59	51	-	-	13.5	.	.	6
217	b34y	bbycy	beybyb	83	56	51	-	-	14.9	.	.	7
149	by	by	cbe	84	56	47	-	-	13.5	45	78	7
—	.	.	.	.	.	.	.	.	12.5	.	.	.
27	.	.	.	83	61	56	.	.	12.8	37	70	.
108	.	.	.	83	61	53	.	.	13.2	45	71	5
110	b	bbe	.	87	61	56	-	-	.	.	65	.
80	b3bc	bcb	.	86	60	51	-	-	14.6	A 18h.	69	.
450	bm	bc	.	82	58	53	-	-	13.4	57	69	.



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 5th. July.														OBSERVATIONS at 18h. G.M.T. 5th. July.														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Direc.	Force.					0-12	Low.	Med.	High.	Low.			Med.	High.					Low.	Med.	High.	Low.	Med.			High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0-12	Low.	Med.	High.	0

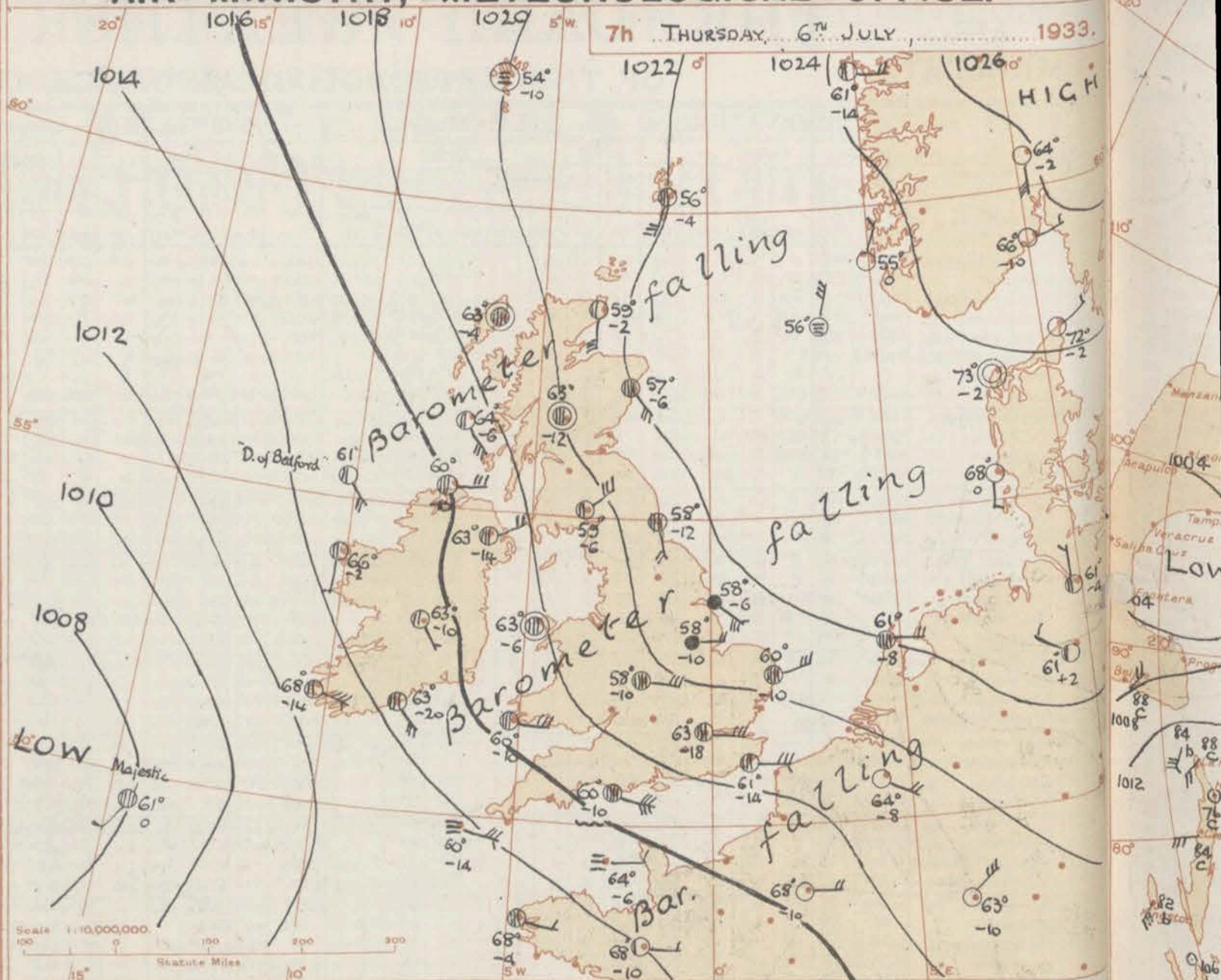


# REPORTS from HEALTH RESORTS for 5th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. to 4h.	Max. 4h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 5h.	Sunset to 4h.
1 Tunbridge W.	o	oc	52	68	-	-	3.3	14.9
Bournemouth	b	b	57	74	-	-	11.8	14.2
Ventnor	bom	by	61	66	-	-	8.6	13.7
Southsea	b	b	61	72	-	-	12.6	14.0
Bognor Regis	boc	b	59	68	-	-	11.6	14.4
Littlehampton	bc	bc	56	69	-	-	10.3	14.6
Worthing	bcc	bcb	58	71	-	-	9.5	15.2
Brighton	bcc	bc	60	73	-	-	8.2	14.8
Eastbourne	o	ocbc	57	65	-	-	2.0	15.0
Hastings	o	oc	57	67	-	-	1.8	15.3
Folkestone	bo	o	57	64	-	-	0.5	13.3
Dover	o	o	59	66	-	-	0.4	14.8
Deal	bo	odc	59	67	-	Trace	0.8	12.0
Ramsgate	c	c	59	65	-	-	0.8	15.0
Margate	c	c	58	66	-	-	1.2	15.2
2 Southend	o	oc	59	65	-	-	1.3	15.0
Maldon	bo	o	53	66	-	-	2.1	14.9
Clacton-on-Sea	bcc	c	58	65	-	-	0.1	15.3
Dovercourt	mcc	bcb	56	65	-	-	1.0	15.2
Lowestoft	bcc	bdc	53	65	-	Trace	1.7	14.9
Skogness	b	bco	59	67	-	-	7.8	15.0
Mablethorpe	bc	bcc	50	65	-	-	9.3	14.6
Cleethorpes	b	bc	54	67	-	-	10.4	14.7
3 Leamington S.	b	b	57	79	-	-	12.3	13.6
4 Cheltenham	bcc	bcb	59	80	-	-	12.1	13.6
5 Bath	bpc	bcb	57	81	-	-	11.2	13.8
Weymouth	b	b	61	69	-	-	12.3	13.8
Jersey	b	b	63	70	-	-	12.2	15.5
Torquay	b	bomb	58	70	-	-	9.2	14.4
Penzance	b	bcb	62	72	-	-	10.8	12.8
St. Ives	b	b	63	72	-	-	12.0	14.3
Bude	b	b	58	77	-	-	11.8	13.5
Ilfracombe	b	b	66	77	-	-	11.3	13.5
6 Aberystwyth	b	bcb	63	80	-	-	9.8	15.5
7 Llandudno	bpc	bcc	59	82	-	-	9.1	15.1
Colwyn Bay	bcb	bcb	55	83	-	-	9.1	15.9
Rhyl	by	bcc	54	85	-	-	9.8	15.8
8 Wallasey	b	b	61	83	-	-	12.1	15.7
Southport	b	bcb	58	84	-	-	12.2	15.0
Blackpool	b	bcb	60	84	-	-	12.2	15.2
Morecambe	b	bcb	62	84	-	-	11.0	15.5
9 Ilkley	b	b	54	80	-	-	8.7	13.7
10 Berwick-on-T.	b	b	57	68	-	-	12.8	16.0
11 Dunbar	o	bc	59	82	-	-	7.6	15.5
12 Troon	bcb	bcb	54	79	-	-	12.2	14.2
Douglas	bcb	bcb	58	79	-	-	12.1	15.2

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th THURSDAY, 6th JULY, 1933.



† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th July, 1933.
1. S.E. England	Wind easterly, moderate; mainly fair; moderate temperature or rather warm.
2. E. England & L.	Wind east or southeast, moderate; cloudy; occasional coastal drizzle; moderate or rather high temperature.
3. E. Midlands	As 1.
4. W. Midlands	As 6 - 8.
5. S.W. England	As 1.
6. South Wales	Wind easterly, moderate or fresh; mainly fair; warm inland; perhaps coastal fog.
7. North Wales	Wind east or southeast, light or moderate; fair; warm.
8. N.W. England	As 2.
9. N. Midlands	As 2.
10. N.E. England	As 2.
11. S.E. Scotland	As 2.
12. S.W. Scotland & Isle of Man	As 6 - 8.
13. A. W. Scotland & N.W. Scotland	As 6 - 8.
14. Mid-Scotland	As 2.
15. N.E. Scotland	Wind southerly, moderate; cloudy; local coastal drizzle and fog; warm inland.
16. Orkneys and Shetlands	As 2.
17. N.W. Ireland	As 6 - 8.
18. N.E. Ireland	As 6 - 8.
19. S.E. Ireland	Wind southeast, moderate; mainly fair, but perhaps occasional rain later; rather warm.
20. S.W. Ireland	As 2.

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. ☉ Clear sky ☁ Sky less than 1/8 clouded. ☂ Sky 1/8 to 1/2 clouded. ☄ Sky 1/2 to 3/4 clouded. ☀ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone is centred over Scandinavia, and there is a trough of low pressure to the west and southwest of the British Isles. Weather will be mainly fair apart from slight local drizzle in eastern coastal districts.

### FURTHER OUTLOOK.

Fair in most districts, but doubtful in the West.

Forecasts issued at 0920 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

1933

HIGH

64°

-2

72°

78°

84°

90°

96°

102°

108°

114°

120°

126°

132°

138°

144°

150°

156°

162°

168°

174°

180°

186°

192°

198°

204°

210°

216°

222°

228°

234°

240°

246°

252°

258°

264°

270°

276°

282°

288°

294°

300°

306°

312°

318°

324°

330°

336°

342°

348°

354°

360°

366°

372°

378°

384°

390°

396°

402°

408°

414°

420°

426°

432°

438°

444°

450°

456°

462°

468°

474°

480°

486°

492°

498°

504°

510°

516°

522°

528°

534°

540°

546°

552°

558°

564°

570°

576°

582°

588°

594°

600°

606°

612°

618°

624°

630°

636°

642°

648°

654°

660°

666°

672°

678°

684°

690°

696°

702°

708°

714°

720°

726°

732°

738°

744°

750°

756°

762°

768°

774°

780°

786°

792°

798°

804°

810°

816°

822°

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1728°

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1818°

1824°

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1860°

1866°

1872°

1878°

1884°



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 6th July														OBSERVATIONS at 7 hr. G.M.T. 6th July														PAST 24 HOURS.									
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of.	Humid. %	Visibility in miles.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of.	Humid. %	Visibility in miles.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine Hrs.							
				Direc.	Force.					Low.	Med.	High.			Low.	Total.					Low.	Med.	High.			Low.	Total.	Height of Base (feet).	Max. Day 7h-18h of.	Min. Night 18h-7h of.		Min. on Grass of.	Day 7h-18h mm.	Night 18h-7h mm.				
																																			0-12	0-10	0-10	0-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)			
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-10	E	3	C	64	75	6	S	-	-	10	10	2500	0	*	71	61	60	-	-	10.6			
Croydon ...	217	1021.2	-18	E	3	C	60	95	7	5	-	-	10	10	1018.4	-18	E'S	3	C	63	85	7	S	-	-	9+	9+	800	0	*	68	59	59	-	-	5.8		
S. Farnborough ...	287	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	-10	E	2	O	63	85	6	S	-	-	10	10	1500	0	*	75	58	55	-	-	14.5			
Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	-6	E	2	O	62	85	6	S	-	-	10	10	800	0	*	77	56	51	-	-	14.1			
Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	-12	E	3	O	61	85	6	S	-	-	10	10	800	0	*	78	56	54	-	-	12.8			
Calshot (S' thmtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	-10	NE'E	3	O	64	85	6	S	-	-	10	10	1500	0	2	68.9	61	60	-	-	14.4			
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	E	3	n	*	*	1	S	-	-	*	*	3	65	58	*	-	-	0.0					
Lympne ...	346	1021.7	-10	E'S	3	3	61	85	6	5	-	-	10	10	1018.7	-14	E'N	4	3	61	95	5	S	-	-	7.8	7.8	220	0	*	64	56	54	-	-	0.0		
2 Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	-20	ENE	4	C	66	85	7	S	-	-	7.8	7.8	450	0	*	66	59	58	-	-	0.6			
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	-10	NE	3	C	62	85	7	S	-	-	9+	9+	1500	0	2	65	58	57	Tr	Tr	1.2			
Gorleston ...	5	1023.2	-14	E	3	1d	57	95	6	6	-	-	10	10	1020.9	-10	E'N	3	O	60	95	7	S	-	-	10	10	1500	0	2	65	58.7	56	Tr	Tr	2.0		
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	-10	E	2	1d	58	95	6	S	-	-	10	10	800	0	*	78	57	57	-	-	14.8			
3 Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	1019.6	-10	ESE	3	C	58	85	6	S	-	-	10	10	1500	0	*	78	57	56	-	-	13.8			
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	-10	E'S	3	O	61	85	6	S	-	-	10	10	800	1	*	77	58	53	-	-	14.1			
4 Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1019.6	-10	ENE	3	O	59	95	6	S	-	-	10	10	800	0	*	79	58	52	-	-	14.1			
5 Portland Bill ...	32	1018.5	-10	ESE	4	C	61	95	6	5	-	-	10	10	1016.4	-10	ESE	6	O	60	95	6	S	-	-	10	10	1500	0	4	65	60	*	-	-	14.4		
Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	1015.8	-10	ENE	5	3	61	95	6	S	-	-	10	10	220	0	2	73	60	57	-	-	14.4			
The Lizard ...	240	1017.3	-20	NE	4	C	59	95	7	4	7	2	4.6	9	1014.6	-6	NE	5	O	60	95	3	S	-	-	10	10	800	0	3	69	59	*	-	-	14.4		
Scilly (St. Mary's) ...	163	1016.7	-10	E'S	4	C	60	95	6	5	7	-	4.6	9	1013.6	-14	ESE	4	7	60	95	1	S	-	-	10	10	1500	0	3	65	59	*	-	-	12.0		
Guernsey ...	175	1017.7	-10	-	O	bc	62	95	6	8	-	-	4.6	4.6	1015.5	-6	E	1	bc	64	85	5	7	-	-	4.6	4.6	2500	0	1	68	61	57	-	-	14.1		
6 Pembroke ...	142	1018.5	-8	SE	3	C	60	85	7	5	7	-	4.6	9+	1016.5	-10	ESE	3	3	60	95	5	9	-	-	9+	9+	800	0	1	72	58	*	-	-	12.1		
Holyhead ...	26	1018.7	-12	SSE	3	bc	64	85	7	5	-	-	2.3	4.0	1017.2	-6	-	O	3	63	95	6	S	-	-	8	7.8	9+	4000	0	0	76	60	55	-	-	12.0	
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	1019.4	-6	SE'E	3	3	60	85	6	S	-	-	10	10	800	0	*	84	60	55	-	-	13.5			
8 L'pool (Bidston) ...	196	*	*	*	*	*	*	*	*	*	*	*	*	1017.7	-6	SE	3	C	60	85	7	6	2	-	2.3	10	1500	0	*	81	59	59	-	-	12.5			
9 Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	-6	SE	1	C	57	95	7	6	2	-	9+	9+	2500	0	*	77	56	57	-	-	12.1			
10 Spurn Head ...	29	1023.2	-6	SE	4	d.d.	58	95	7	3	-	-	10	10	1021.1	-6	SE	4	1d	58	95	6	S	-	-	7.8	9+	1500	0	3	67	55	*	-	-	10.5		
Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	-10	ESE	2	d.d.	57	95	7	6	-	-	10	10	800	0	*	81	56	56	-	-	12.7			
Tynemouth ...	100	1023.2	-12	SSE	3	O	58	95	7	5	-	-	10	10	1021.3	-12	SSE	2	O	58	95	8	S	-	-	10	10	1500	0	2	66	57	56	-	-	*		
11 Inchkeith ...	190	1022.6	-8	N	2	C	62	95	8	5	5	-	4.6	7.8	1019.9	-6	NE	4	C	59	95	6	S	3	-	4.6	7.8	1500	0	3	66	57	54	-	-	10.2		
Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	-10	E	4	1d	58	95	6	S	-	-	10	10	220	0	*	75	56	53	-	-	8.9			
12 Renfrew (Abbotts) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1018.9	-6	ENE	2	C	67	75	7	8	-	-	2	0	7.8	0	*	83	64	58	-	-	11.9			
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1019.6	-6	NE	3	bc	59	75	8	5	-	-	2	Tr	4.6	800	0	*	85	56	52	-	-	13.6		
13a Tires ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1017.4	-6	SE	3	bc	64	85	7	5	1	-	4.6	4.6	2500	0	1	76	59	57	-	-	12.0			
13b Stornoway ...	34	-	-14	-	O	C	61	85	8	6	-	-	7.8	10	1020.0	-12	-	O	C	63	95	8	4	2	-	4.6	10	1500	0	1	66	58	*	-	-	12.5		
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	-6	SE	3	O	63	95	8	4	2	-	4.6	10	4000	0	*	85	60	56	-	-	12.7			
Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	-6	SE	3	O	57	95	6	5	-	-	10	10	450	0	1	73	56	56	-	-	11.4			
Wick ...	81	1020.7	-14	SSW	3	C	57	95	8	5	1	8	7.8	9																								

## LONDON OBSERVATIONS.

Day 7h-18h, Kew & C



# THE DAILY WEATHER REPORT

Page 1. AIR MINISTRY. OF THE METEOROLOGICAL OFFICE, LONDON. BRITISH SECTION Friday, 7th July 1933. No. 26.160

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 6th July														OBSERVATIONS at 18h. G.M.T. 6th July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud.						Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud.						State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Direc. (3)	Force 0-12 (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)	Amount. (24)	Height of Base. (feet) (25)			Form. (27)	Amount. (28)					Height of Base. (feet) (29)	7h.-13h. 6th (37)	13h.-18h. 6th (38)	18h. 6th to 7th (39)	7th (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
																													Low. (12)			Med. (13)	High. (14)	Low. (26)	Total 0-10 (27)	Low. (31)	Med. (32)	High. (33)	Low. (35)	Total 0-10 (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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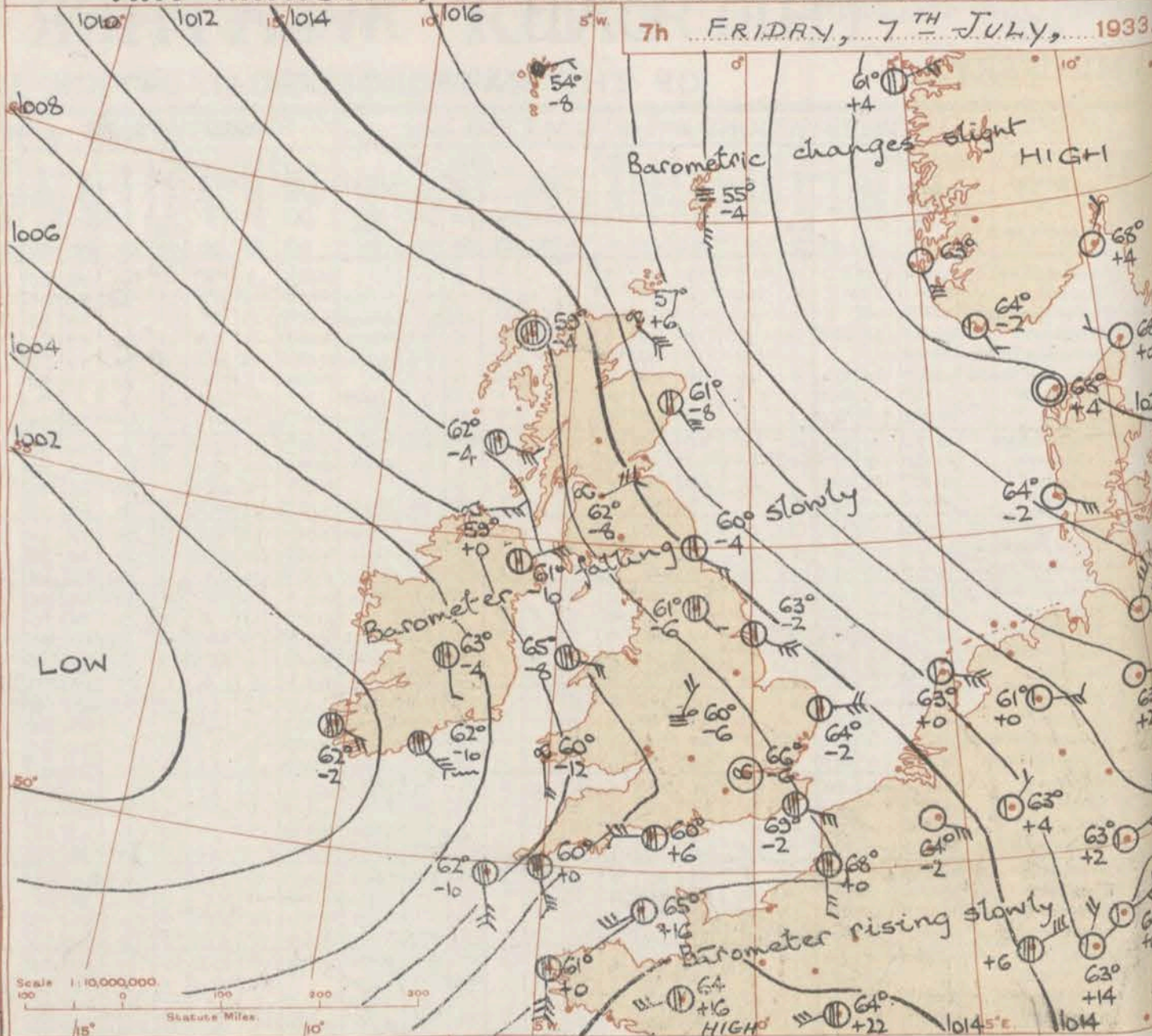
# REPORTS from HEALTH RESORTS for 6th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 9h. to 5h.	Max. 5h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 5h.
1 Tunbridge W.	bc	bc	58	82	-	-	7.3	4.3
Bournemouth	b	b	60	77	-	-	8.2	13.8
Ventnor	b3	b3	60	71	-	-	10.0	9.9
Southsea	b	b	61	77	-	-	8.5	14.1
Bognor Regis	b	b	60	74	-	-	9.8	13.2
Littlehampton	bc	bc	59	75	-	-	10.7	12.1
Worthing	b	b	60	75	-	-	11.3	11.6
Brighton	b	b	60	77	-	-	11.4	10.4
Eastbourne	b	b	61	71	-	-	10.8	2.1
Hastings	b	b	59	77	-	-	10.4	2.4
Folkestone	bc	b	60	70	-	-	8.6	0.5
Dover	mb	b	60	70	-	-	6.9	0.4
Deal	b	b	59	72	-	-	6.8	0.8
Ramsgate	cm	b	59	70	-	-	6.5	0.8
Margate	bc	b	58	70	-	-	7.9	1.2
2 Southend	b	b	59	73	-	-	10.2	1.3
Maldon	b	b	61	73	-	-	10.0	2.1
Clacton-on-Sea	bc	b	59	69	-	-	10.3	0.1
Dovercourt	b	b	59	70	-	-	10.6	1.0
Lowestoft	bc	b	57	67	Trace	-	6.6	1.7
Skogness	om	b	57	64	-	-	2.4	7.8
Mablethorpe	bc	b	57	63	1	-	1.4	9.3
Cleethorpes	bc	b	57	63	0.2	-	0.2	10.4
3 Leamington S.	bc	b	59	78	-	-	3.7	14.4
4 Cheltenham	bc	b	58	79	-	-	5.5	14.1
5 Bath	bc	b	59	81	-	-	5.8	12.4
Weymouth	c	b	62	80	-	-	3.7	13.5
Jersey	b	b	64	82	-	-	6.5	14.7
Torquay	om	b	61	69	-	-	3.2	10.2
Penzance	bc	b	59	69	-	-	3.1	11.3
St. Ives	b	b	60	71	-	-	6.9	13.2
Bude	mb	b	57	77	-	-	8.4	13.5
Ilfracombe	bc	b	61	72	-	-	3.7	12.3
6 Aberystwyth	bc	b	62	75	-	-	5.3	9.8
7 Llandudno	bc	b	62	77	-	-	8.3	9.1
Colwyn Bay	bc	b	64	75	-	-	9.1	9.1
Rhyl	bc	b	61	73	-	-	6.2	10.5
8 Wallasey	bc	b	60	70	-	-	1.5	14.1
Southport	bc	b	59	73	-	-	4.0	14.2
Blackpool	c	b	58	73	-	-	3.3	13.7
Morecambe	bc	b	60	74	-	-	6.7	12.5
9 Ilkley	o	b	57	66	-	-	0.0	10.9
10 Berwick-on-T.	o	b	56	69	-	-	1.9	15.0
11 Dunbar	bc	b	56	63	-	-	7.9	9.4
12 Troon	bc	b	63	69	Trace	-	8.2	12.5
Douglas	bc	b	59	66	-	-	4.9	12.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th FRIDAY, 7th JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th July, 1933.
1. S.E. England	Wind easterly to southerly, light or moderate; perhaps thunder later; very warm inland, perhaps cooler later.
2. E. England...	
3. E. Midlands	
4. W. Midlands	Wind southerly, light or moderate, fresh locally; cloudy, bright intervals; showers; moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	Wind southeast, light or moderate; cloudy, bright periods; perhaps thunder; warm.
8. N.W. England	
9. N. Midlands	Wind east or southeast, light or moderate; mainly fair, but perhaps thundery tendency; warm inland.
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 7 - 8.
13. A.W. Scotland & N.W. Scotland	Wind southeast, light or moderate; mainly fair; warm.
14. Mid-Scotland	
15. N.E. Scotland	Wind southeast, moderate; cloudy; perhaps coastal drizzle and fog; warm inland.
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind easterly, moderate; cloudy; bright intervals; showers, perhaps thunder; moderate or rather high temperature.
18. N.E. Ireland	
19. S.E. Ireland	Wind between southeast and southwest, moderate; cloudy; bright intervals; showers, perhaps thunder; moderate temperature.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — ☉ TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS — ☉ Clear sky. ☉ Sky less than 1/8 clouded. ☉ Sky 1/8 to 1/4 clouded. ☉ Sky 1/4 to 1/2 clouded. ☉ Overcast sky. ☉ Rain falling. ☉ Snow. ☉ Sleet. ☉ Haze.  
SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone is centred over Scandinavia. A depression off Ireland appears likely to move southeast slowly and a shallow trough of low pressure extending from our southwestern districts to Belgium will move northeast a little. Conditions will be rather unsettled in the West and Southwest and a tendency towards thunderstorms may spread east and north.

### FURTHER OUTLOOK.

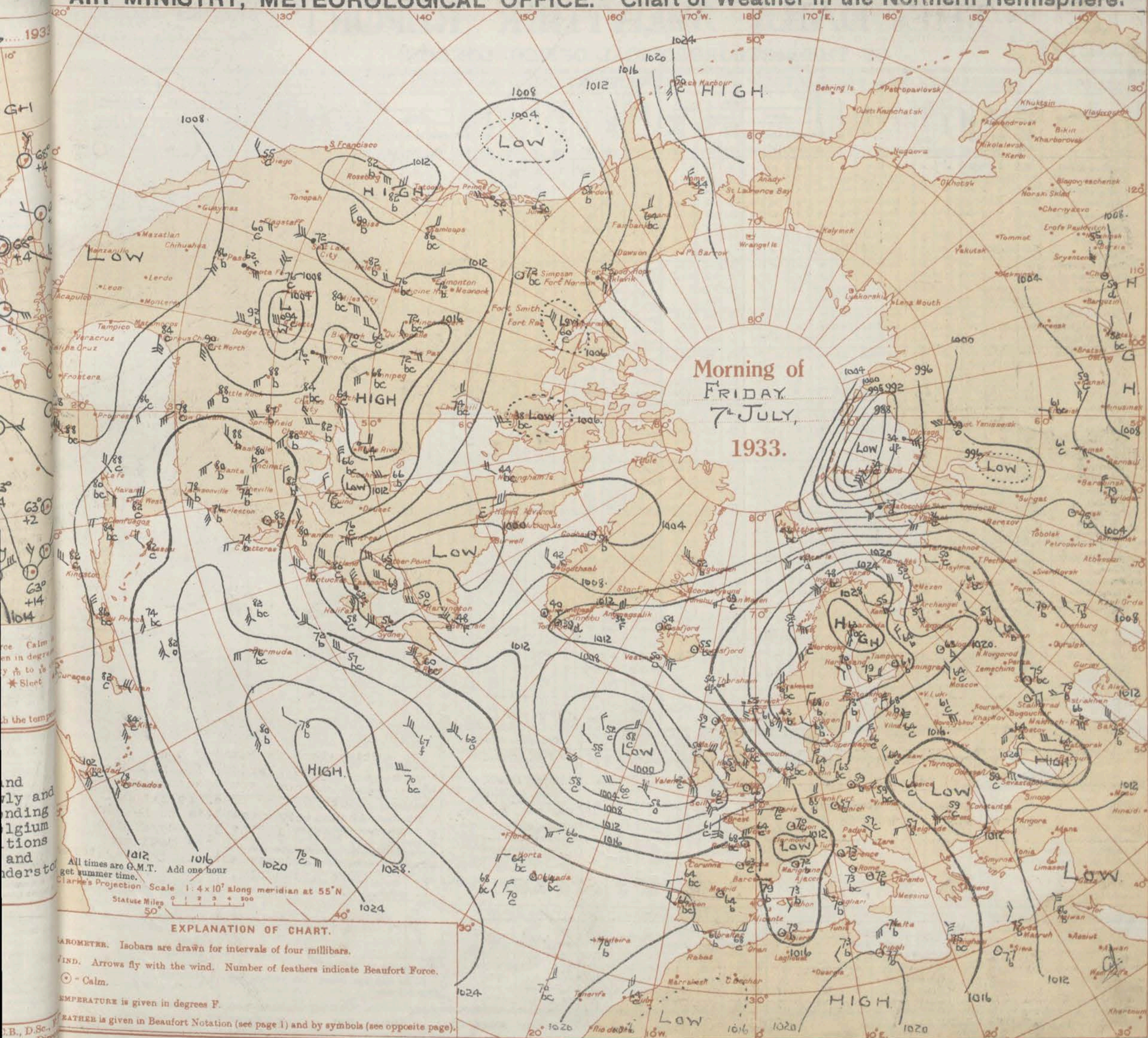
Less settled; perhaps thunder.

Forecasts issued at 0925 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.											
Day 7h--18h, Kew & Croydon. 9h--18h, Kensington. 9h--21h, other stations, except Greenwich & Hampstead rainfall, 9h--18h.												COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.											
Kew ... .. 18 Croydon ... .. 217 Greenwich (Royal Observatory) ... 149 City (Bunhill Row) ... .. Westminster (St. James' Park) ... 27 Regents Pk. (Botanic Gardens) ... 168 Camden Square ... .. 110 Kensington ... .. 80 Hampstead Observatory ... .. 450												COLUMNS 4, 18. The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.											
COLUMNS 8, 22.—Code for surface visibility. Objects not visible at 0 Dense fog 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze 1½ miles. 5 Poor visibility 2½ " 6 Moderate " 6½ " 7 Good " 12½ " 8 Very good " 31 " 9 Excellent " beyond 31m.												COLUMNS 30.—Code for State of Sea. 0 Calm. 5 Very rough. 1 Smooth. 6 High. 2 Slight. 7 Very high. 3 Moderate. 8 Precipitous. 4 Rough. 9 Confused.											
COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.																							

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

1 h observations are from Valencia W/T station      1 Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h



Direction.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 7th July														OBSERVATIONS at 18h. G.M.T. 7th July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																										
		Barom. at M.S.L.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	WEATHER.																																																																																																																																																																																																																																																																																																																							
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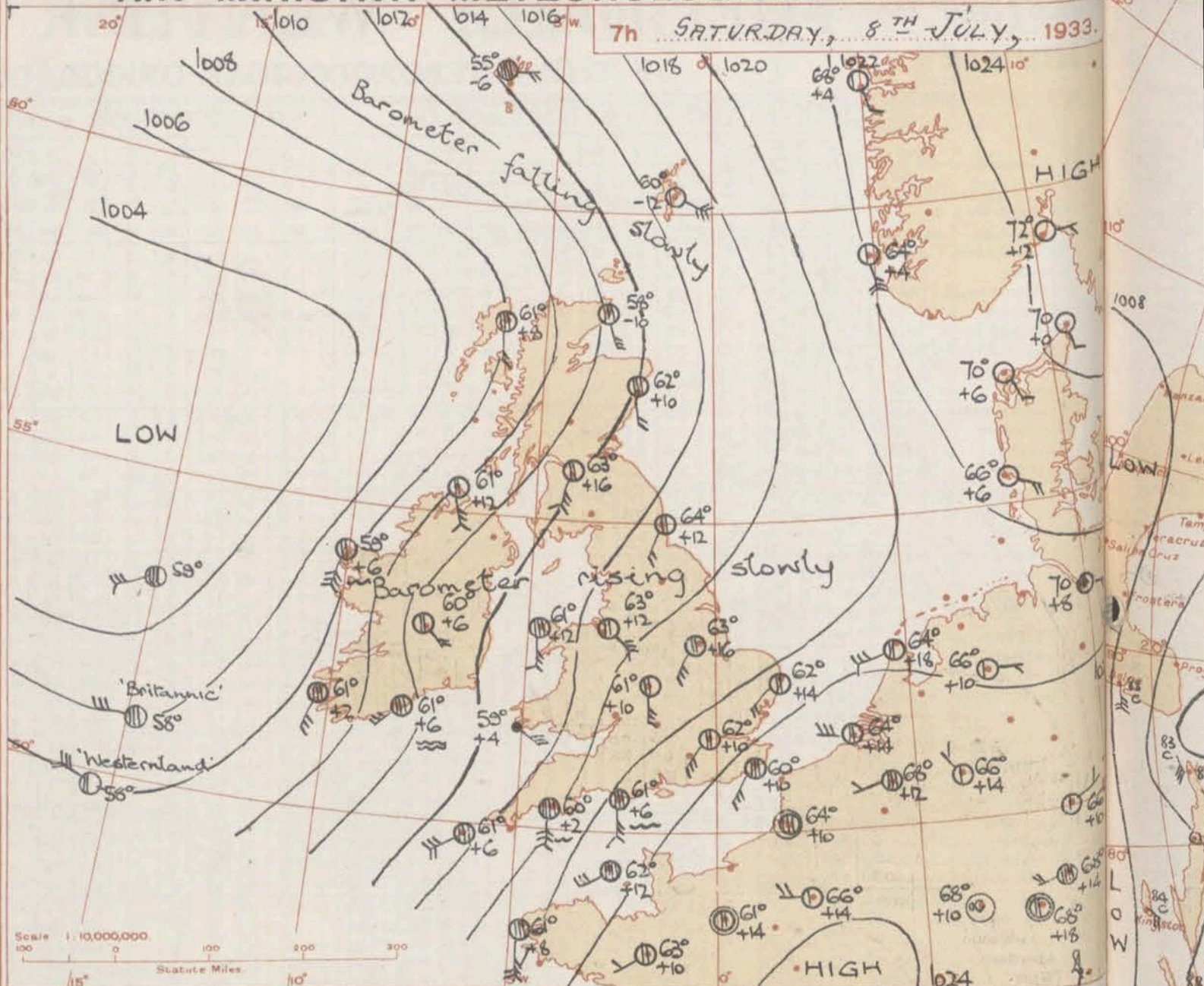
# REPORTS from HEALTH RESORTS for 7th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. 6th. to 9h. 7th.	Max. 9h. 17th. to 9h. 18th.	Night. 17h. 6th. to 9h. 17th.	Day. 9h. 17th. to 17h. 18th.	Sunrise to 17h. 7th.	Sunset to 6h. 7th.
1 Tunbridge W.	bc	bc	60	80	-	-	9.7	7.7
Bournemouth	cbe	bc	61	72	-	-	6.4	10.4
Ventnor	cbe	cbe	61	69	-	-	6.9	11.9
Southsea	cbe	bc	66	74	-	-	7.9	10.6
Bognor Regis	bc	bc	68	70	-	-	5.8	11.2
Littlehampton	bc	bc	63	70	-	-	5.6	12.4
Worthing	cbe	bc	66	70	-	-	8.2	13.4
Brighton	cbe	cbe	65	69	-	-	8.7	12.6
Eastbourne	bc	cbe	65	72	-	-	10.5	11.5
Hastings	bc	cbe	66	74	-	-	10.1	10.5
Folkestone	cbe	b	62	72	-	-	9.2	9.3
Dover	cbe	b	62	73	-	-	9.4	8.0
Deal	cbe	b	59	69	-	-	8.8	8.1
Ramsgate	cbe	b	64	79	-	-	8.2	7.6
Margate	bc	bc	62	84	-	-	9.1	9.3
2 Southend	cbe	b	62	81	-	-	8.2	11.5
Maldon	bc	b	61	84	-	-	7.3	11.3
Clacton-on-Sea	cbe	b	63	76	-	-	5.0	11.9
Dovercourt	bc	b	62	70	-	-	8.2	12.2
Lowestoft	b	b	62	68	-	-	11.3	8.9
Skegness	b	b	59	68	-	-	10.1	4.5
Mablethorpe	b	b	59	66	-	-	10.2	3.4
Cleethorpe	b	b	60	68	-	-	9.8	1.3
3 Leamington S.	cbe	b	60	80	-	-	6.8	4.5
4 Cheltenham	cbe	b	62	75	-	-	5.5	6.1
5 Bath	cbe	cbe	63	72	-	-	3.7	6.2
Weymouth	cbe	cbe	61	70	0.4	-	5.0	5.6
Jersey	cbe	b	61	70	-	-	6.0	7.7
Torquay	cbe	b	61	67	2	Trace	2.8	4.7
Penzance	cbe	b	60	66	1	1	2.8	3.1
St. Ives	cbe	b	60	67	1	1	4.0	6.9
Bude	cbe	b	61	69	0.2	0.2	4.0	8.6
Ilfracombe	cbe	b	63	71	5	-	6.8	4.2
6 Aberystwyth	cbe	b	66	74	1	-	4.2	6.6
7 Llandudno	cbe	b	64	76	-	3	4.3	9.1
Colwyn Bay	cbe	b	62	75	-	3	4.3	9.7
Rhyl	cbe	b	63	78	-	1	3.7	6.6
8 Wallasey	cbe	b	61	78	-	3	5.1	1.7
Southport	cbe	b	60	81	-	0.5	4.0	4.0
Blackpool	cbe	b	60	81	-	3	4.8	3.4
Morecambe	cbe	b	61	82	-	3	3.0	6.7
9 Hkley	cbe	b	58	80	-	5	4.3	0.0
10 Berwick-on-T.	bc	bc	56	63	-	-	7.3	1.9
11 Dunbar	bc	bc	57	64	-	-	8.3	8.3
12 Troon	cbe	b	61	78	-	1	4.7	9.8
Douglas	cbe	b	59	68	-	1	2.5	5.2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

## AIR MINISTRY. METEOROLOGICAL OFFICE.

7th SATURDAY, 8th JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th July, 1933.
1. S.E. England	Wind southwesterly, moderate or fresh; varying cloud, bright periods; local showers, perhaps of thundery type; moderate or rather high temperature.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind southwest or west, fresh, perhaps strong locally; cloudy, bright intervals; showers; moderate temperature.
6. South Wales	
7. North Wales	As 1 - 4.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Wind south or southwest, moderate or fresh; varying cloud, bright periods; local showers, perhaps of thundery type; moderate or rather high temperature.
13. A.W. Scotland & N.W. Scotland	
14. Mid. Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	Wind between south and west, fresh, strong locally on coast; cloudy, bright intervals; showers; moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — ☉ TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS — ☉ Clear sky ☉ Sky less than 1/8 clouded. ☉ Sky 1/8 to 1/4 clouded. ☉ Sky 1/4 to 1/2 clouded. ☉ Overcast sky. ● Rain falling. \* Snow. ★ Sleet. ▲ Hail.  
☉ Fog ☉ Mist ☉ Thunder. ☉ Thunderstorm. ☉ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A depression is situated off Northwest Ireland and associated minor disturbances are moving northeast across the British Isles. Winds will be between south and west, moderate or fresh. Showers are probable in most districts and may be thundery locally, but there will be bright intervals.

### FURTHER OUTLOOK.

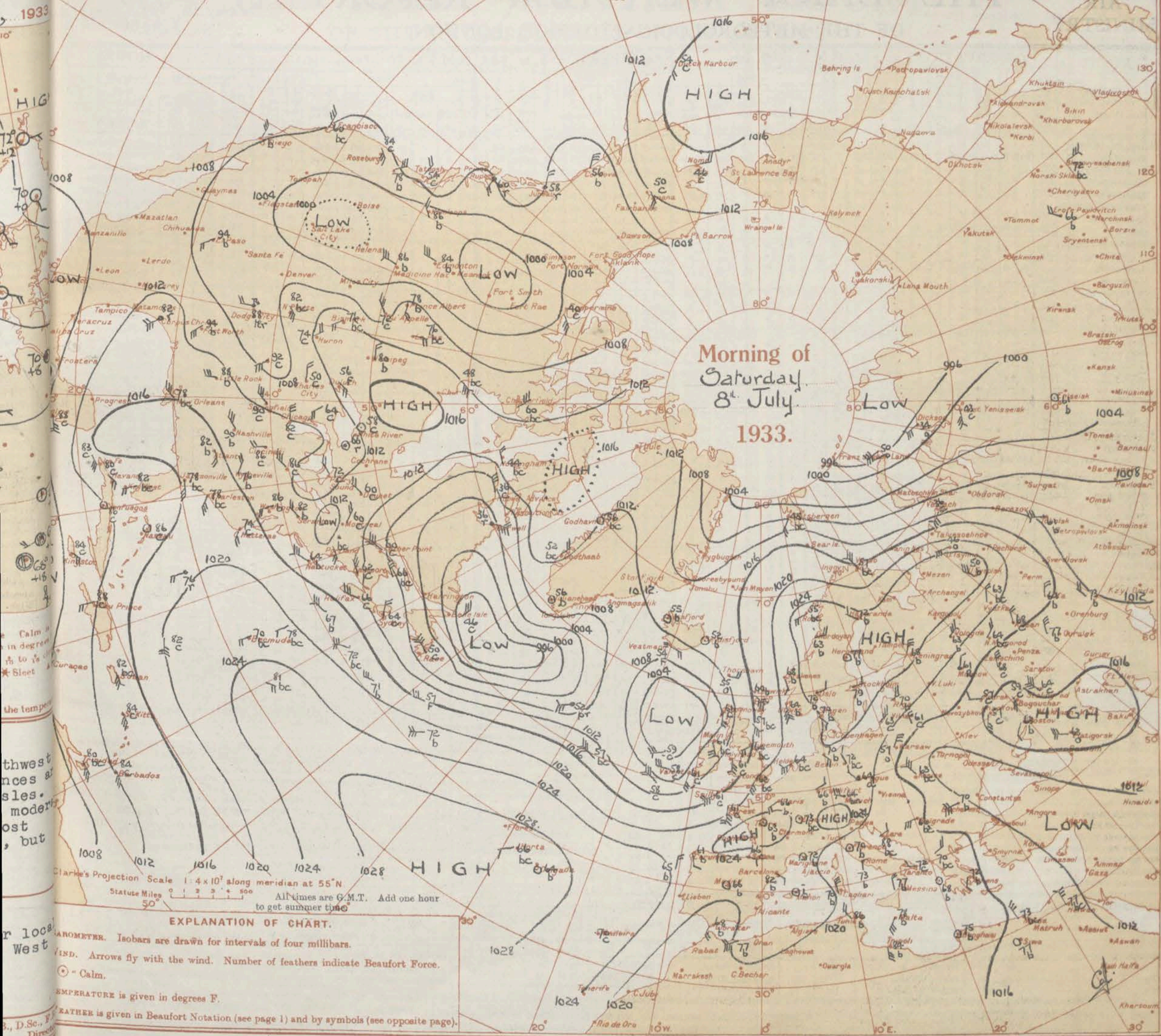
Fair in most districts except for local showers; perhaps deteriorating in the West later.

Forecasts issued at 0910 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 8th. July														OBSERVATIONS at 7 hr. G.M.T. 8th. July														PAST 24 HOURS.												
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility in miles.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility in miles.	Cloud.					State of ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine.						
				Dirac.	Force.					Low.	Med.	High.	Low.	Total.			Dirac.	Force.					Low.	Med.	High.	Low.	Total.			Max. Day 7h-18h of (31).	Min. Night 18h-7h of (32).	Min. on Grass of (33).	Day 7h-18h mm. (34).	Night 18h-7h mm. (35).							
																																				Form.	Amount.	Height of Base (feet).	Form.	Amount.	Height of Base (feet).
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1021.1	+10	SW	3	bc	66	68	8	7	-	-	4-6	4-6	2500	0	*	81	60	58	-	-	10-6						
Croydon ...	217	1018.8	+14	SSW	3	c	59	95	7	5	-	9+	4000	1020.8	+10	SW'S	3	bc	62	85	8	5	-	-	4-6	4-6	1500	0	*	81	58	54	-	-	10-0						
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	+12	SW'S	4	c	64	78	7	5	-	-	7-8	7-8	1200	0	*	79	57	49	-	-	10-0						
Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	+10	S	3	c	60	95	7	6	-	-	10	10	800	0	*	74	57	54	-	-	9-1						
Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	+10	S	3	o	60	95	6	5	-	-	10	10	450	0	*	73	56	54	-	-	6-3						
Calshot (S' thmtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	+10	SSW	4	id.	63	88	7	3	7	-	7-8	9+	450	0	2	72	60	59	-	-	9-1						
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
Lymne ...	346	1020.0	+10	SW'S	2	b	56	95	7	-	-	0	0	1022.7	+10	SW'S	3	c	60	95	6	5	-	-	7-8	7-8	800	0	*	78	58	52	-	-	11-9						
2 Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1021.7	+20	SSW	4	b	65	78	7	7	-	-	1/	1	4000	0	*	82	59	52	-	-	10-5						
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	1021.1	+14	S'W	3	c	65	78	8	3	-	-	7-8	7-8	2500	0	2	77	60	55	-	-	9-7						
Gorleston ...	5	1017.4	+12	SSW	1	b	60	95	7	-	6	-	0	1020.6	+14	SW'S	2	bc	62	85	6	1	-	-	4-6	4-6	4000	0	2	66	57	54	-	-	11-3						
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+16	SW	3	bc	63	85	7	4	-	-	2-3	2-3	5700	0	*	87	56	53	-	-	8-4						
3 Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	1018.6	+10	S	3	bc	61	88	8	5	3	-	2-3	2-3	2500	0	*	77	58	52	-	-	6-5						
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	+12	S	3	c	62	78	8	7	-	-	7-8	7-8	1800	0	*	78	56	52	-	-	6-2						
4 Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1018.0	+10	SSW	4	c	62	78	7	4	5	-	4-6	7-8	4000	0	*	73	59	54	-	-	4-2						
5 Portland Bill ...	32	1018.1	+12	SW	5	c	60	95	7	5	-	7-8	7-8	1020.1	+6	S	4	c	61	95	7	4	4	-	4-6	7-8	2500	0	4	66	59	52	-	-	3-3						
Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	+2	S	6	c/r	60	95	7	6	-	-	10	10	450	1	4	65	60	57	-	-	3-3						
The Lizard ...	240	1016.7	+4	S	3	o	59	95	7	5	-	10	10	1016.8	+2	S'E	4	o/p	61	95	7	5	-	-	10	10	2500	0	3	66	58	52	-	-	5-1						
Scilly (St. Mary's) ...	163	1015.1	+3	S'W	4	c	60	95	7	8	-	7-8	7-8	1014.9	+6	SW'S	5	c	61	95	6	7	-	-	4-6	7-8	2500	0	3	66	59	52	-	-	10-3						
Guernsey ...	175	1012.4	+10	SW	3	bc	60	95	7	8	-	4-6	4-6	1020.8	+12	SW'S	3	o	62	85	7	5	-	-	10	10	2500	0	3	71	59	56	-	-	10-3						
6 Pembroke ...	142	1013.5	+12	SW	3	c	60	95	7	8	7	-	4-6	7-8	1015.3	+4	SE	3	pr.	59	95	7	9	-	-	9+	9+	1500	1	3	65	59	52	-	-	3-7					
Holyhead ...	26	1012.8	+12	SSW	4	bc	60	95	6	4	7	-	4-6	4-6	1015.0	+12	S	4	c	61	85	7	5	-	-	9+	9+	800	4	2	71	58	55	-	-	1-5					
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	+12	SE/S	4	bc	63	78	8	3	2	2-3	4-6	2500	0	*	77	58	52	-	-	5-4							
8 L'pool (Bidston) ...	198	*	*	*	*	*	*	*	*	*	*	*	*	1017.4	+12	S	3	bc	63	78	8	-	4	0	4-6	-	-	0	*	77	58	56	-	-	5-9						
9 Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	1017.1	+14	SSW	3	c	63	78	7	3	-	-	7-8	7-8	2500	1	*	76	58	53	-	-	5-0						
10 Spurn Head ...	29	1015.4	+10	SW'S	4	bc	61	85	8	3	8	0	4-6	1018.3	+8	SW	4	bc	63	85	7	5	7	-	2-3	4-6	4000	0	2	68	57	52	-	-	11-8						
Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	+12	S	4	c	64	78	7	5	-	-	4-6	7-8	1500	0	*	80	58	52	-	-	6-2						
Tynemouth ...	100	1012.4	+6	SW	2	bc	63	85	6	9	-	4-6	4-6	1016.2	+12	SW	2	bc	64	85	6	5	-	-	2-3	2-3	1500	0	1	63	58	53	-	-	7						
11 Inchkeith ...	190	1011.7	+2	NNE	2	bc	60	95	7	5	4	-	4-6	1014.0	+18	SW	2	c	63	85	8	7	6	-	4-6	7-8	2500	0	2	72	59	52	-	-	4-6						
Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	1014.9	+20	NW	1	bc	62	85	7	8	-	-	4-6	4-6	1500	1	*	67	52	48	-	-	6-8						
12 Renfrew (Abbotts) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1013.3	+16	S'W	4	bc	63	78	7	3	3	-	4-6	4-6	1500	1	*	78	61	57	-	-	3-9						
Edinburgh ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1013.2	+14	SSW	5	c	59	85	7	5	3	-	7-8	9	1500	1	*	78	57	56	-	-	6-0						
13a Tires ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1010.5	+20	SE	4	c	58	85	7	5	7	-	4-6	7-8	2500	0	2	72	57	60	-	-	1-0						
13b Stornoway ...	84	*	+6	SE	5	c	60	85	8	7	-	4-6	9	1013.0	+8	S	2	c	61	85	8	3	6	-	7-8	9+	2500	1	1	73	58	52	-	-	6-2						
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1013.0	+8	W	3	c	60	85	7	3	2	-	4-6	9	800	1	*	73	56	53	-	-	8-0						
Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	+10	S	2	c	62	85	7	8	-	-	7-8	7-8	4000	0	2	68	58	56	-	-	6-6						
Wick ...	81	1013.9	+4	SE	3	bc	57	95	8	5	1	8	4-6	1012.4	+10	SE	3	c	58	95	7	5	1	-	4-6	7-8	1500	0	3	61	56	52	-	-	6						
16 Lerwick ...	54	1012.5	+2	SE	4	b	57	85	8	5	-	1	1	1017.3	+12	SE	5	b	60	85	8	8	-	-	1	1	2500	0	*	68	56	52	-	-	10-7						
17 Blacksod Point ...	18	1004.2	+14	NW	7	q	60	85	8	3	-	4-6	4-6	1006.7	+6	S	6	q	59	85	8	3	-	-	4-6	4-6	450	1	4	71	57	52	-	-	4-1						
18 Malin Head ...	52	1006.4	+14	S'E	2	c	61	95	7	6	-	9	9+	1009.3	+12	S'E	4	bc	61	85	7	2	4	-	1	2-3	1500	0	1	69	57	52	-	-	3-1						
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	1012.5	+16	S'E	3	bc	59	85	8	8	-	-	4-6	4-6	1500	1	*	69	57	51	-	-	3-1						
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	1014.5	+16	SW	2	bc	61	85	8	7	3	-	2-3	4-6	2500	0	1	66	56	52	-	-	4-5						
19 Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	1018.6	+6	SE	2	bc	60	85	8	8	-	-	4-6	4-6	2500	1	*	71	58	49	-	-	4-5						
20 Valentia Obsy.†	30	1007.8	+10	S	4	c	60	85	8	4	-	9+	9+	1008.8	+2	S'W	3	c	61	95	7	9	-	-	1	9	800	1	2	67	59	55	-	-	3-2						
Roches Point ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1010.7	+6	SW	3	c	61	95	8	3	-	-																	



# THE DAILY WEATHER REPORT

Page 1. AIR MINISTRY. OF THE METEOROLOGICAL OFFICE, LONDON. BRITISH SECTION Sunday 9th July 1933. No. 26,162.

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 3th July														OBSERVATIONS at 18h. G.M.T. 3th July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp. of.	Humid. %	Visibility.	Cloud.			Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp. of.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Dir.	Force.					Low.	Med.	High.			Low.	Med.					High.	Low.	Med.			High.	Low.	Med.	High.	7h.-15h. 2th.	15h.-18h. 2th.	18h. 2th to 21h. 2th.	21h.-Th. 2th.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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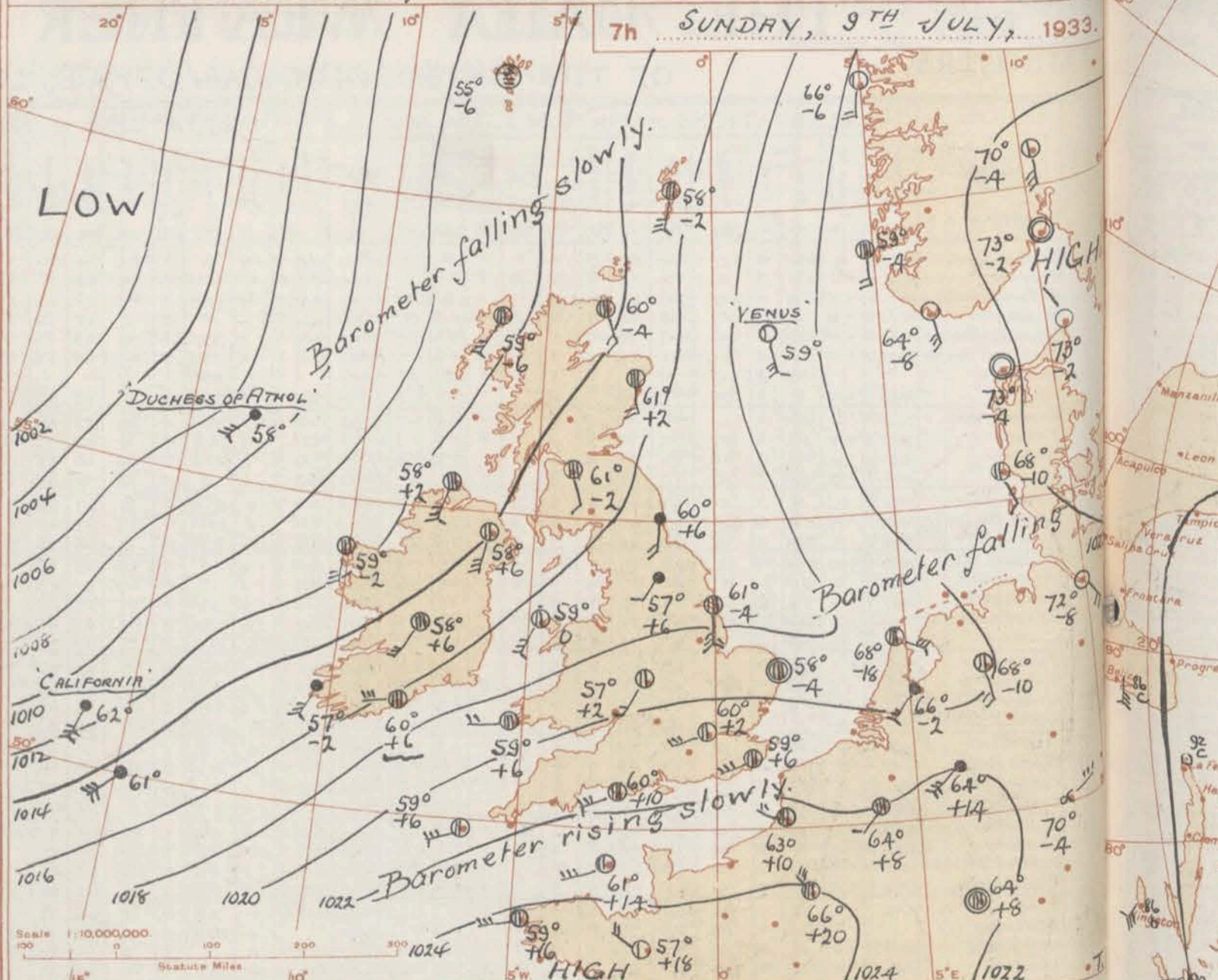
# REPORTS from HEALTH RESORTS for 8th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 9h. to 4h.	Max. 4h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 17h.
1 Tunbridge W.	b	bbc	56	74	-	-	9.7	11.3
Bournemouth	co	co	59	71	-	-	4.0	6.5
Ventnor	ocbc	bccb	59	73	-	-	5.6	8.7
Southsea	cb	bc	61	70	Trace	-	5.4	9.9
Bognor Regis	bc	bc	61	69	-	-	7.4	7.3
Littlehampton	bc	bc	61	68	-	-	5.6	8.2
Worthing	c bc	bc	61	68	-	-	6.7	9.6
Brighton	bc	bc	60	67	-	-	8.2	10.1
Eastbourne	bcb	b	59	68	-	-	9.5	10.6
Hastings	c bc	b	58	70	-	-	9.9	11.4
Folkestone	b	b	58	70	-	-	12.1	11.5
Dover	b bc	bcb	60	70	-	-	10.8	11.7
Deal	b	b	57	74	-	-	11.9	11.0
Ramsgate	bcb	b	63	73	-	-	10.5	10.3
Margate	bc	bc	58	75	-	-	10.8	11.6
2 Southend	c	c bc	60	76	-	-	7.4	10.2
Maldon	bcb	b	55	78	-	-	7.5	9.8
Clacton-on-Sea	bcb	bc	60	70	-	-	8.4	8.5
Dovercourt	bcb	bcb	57	73	-	-	8.9	10.2
Lowestoft	b	b	56	73	-	-	10.3	11.6
Skegness	b	b	64	74	-	-	8.1	10.1
Mablethorpe	bc	bc	57	74	-	-	9.7	10.2
Cleethorpes	b	bc	58	76	-	-	8.3	9.8
3 Leamington S.	ocbc	c bc	66	74	-	-	5.4	7.3
4 Cheltenham	bcb	bcb	58	72	Trace	Trace	6.5	5.5
5 Bath	c bc	c bc	59	70	Trace	Trace	5.0	3.8
Weymouth	c bc	c	59	69	Trace	-	2.2	5.0
Jersey	b	bc	61	72	-	-	5.2	6.3
Torquay	opacq	orpo	59	64	0.6	0.5	0.0	4.3
Penzance	obcr	obcr	60	65	0.6	1	3.0	2.8
St. Ives	pr	pr	60	67	0.5	3	3.0	5.8
Bude	cpr	cprop	57	69	2	10	1.7	5.2
Ilfracombe	cpc	bc	59	69	4	22	2.6	8.6
6 Aberystwyth	prc	cpr	60	69	0.3	2	2.5	4.2
7 Llandudno	cdr	cbr	61	73	-	0.4	1.5	4.3
Colwyn Bay	bcc	pbcc	62	74	-	2	2.9	4.3
Rhyl	bcc	cpr	61	73	-	0.2	?	3.9
8 Wallasey	bcc	pbcc	60	71	-	Trace	5.4	5.5
Southport	bcc	cor	59	73	-	0.4	5.7	6.0
Blackpool	c	c	60	73	-	-	5.8	6.1
Morecambe	bcc	bcc	60	73	-	1	3.2	4.0
9 Ilkley	b	bcc	57	74	-	-	6.5	4.3
10 Berwick-on-T.	bc	co	56	70	-	-	4.7	7.8
11 Dunbar	cldr	bc	58	75	0.3	-	7.4	8.8
12 Troon	roc	coro	60	67	2	0.5	4.1	4.7
Douglas	cir	cb	56	64	-	3	2.4	3.3

† Max. Temp. for period 21h. yeste. day to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h SUNDAY, 9th JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th July, 1933.
1 S.E. England	Moderate southwesterly wind; varying cloud; bright periods, local showers, perhaps of thundery type later; warm.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Moderate south to southwest wind; bright periods and local showers, perhaps cloudy with rain later; rather warm.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	Moderate southerly wind; bright periods, local showers; rather warm.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Moderate southerly wind; bright periods and local showers, perhaps cloudy with rain later; rather warm.
13 A.W. Scotland	
14 B.N.W. Scotland	
15 Mid-Scotland	As 8 - 11.
16 N.E. Scotland	
17 Orkneys and Shetlands	
18 N.W. Ireland	Moderate to fresh southerly wind; cloudy; occasional rain; rather warm.
19 N.E. Ireland	As 5 - 7
20 S.E. Ireland	As 17.

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — ☉ TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS — ☉ Clear sky. ☉ Sky less than 1/8 clouded. ☉ Sky 1/8 to 1/4 clouded. ☉ Sky 1/4 to 1/2 clouded. ☉ Overcast sky. ☉ Rain falling. \* Snow. \* Sleet. \* Hail.  
☉ Fog. ☉ Mist. ☉ Thunder. ☉ Thunderstorm. ☉ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A large area of low pressure is situated over the Atlantic to west and northwest of the British Isles. In most districts weather will be showery, with bright intervals, and a possibility of thunder in the East, but cloud and rain will spread eastwards across Ireland.

### FURTHER OUTLOOK.

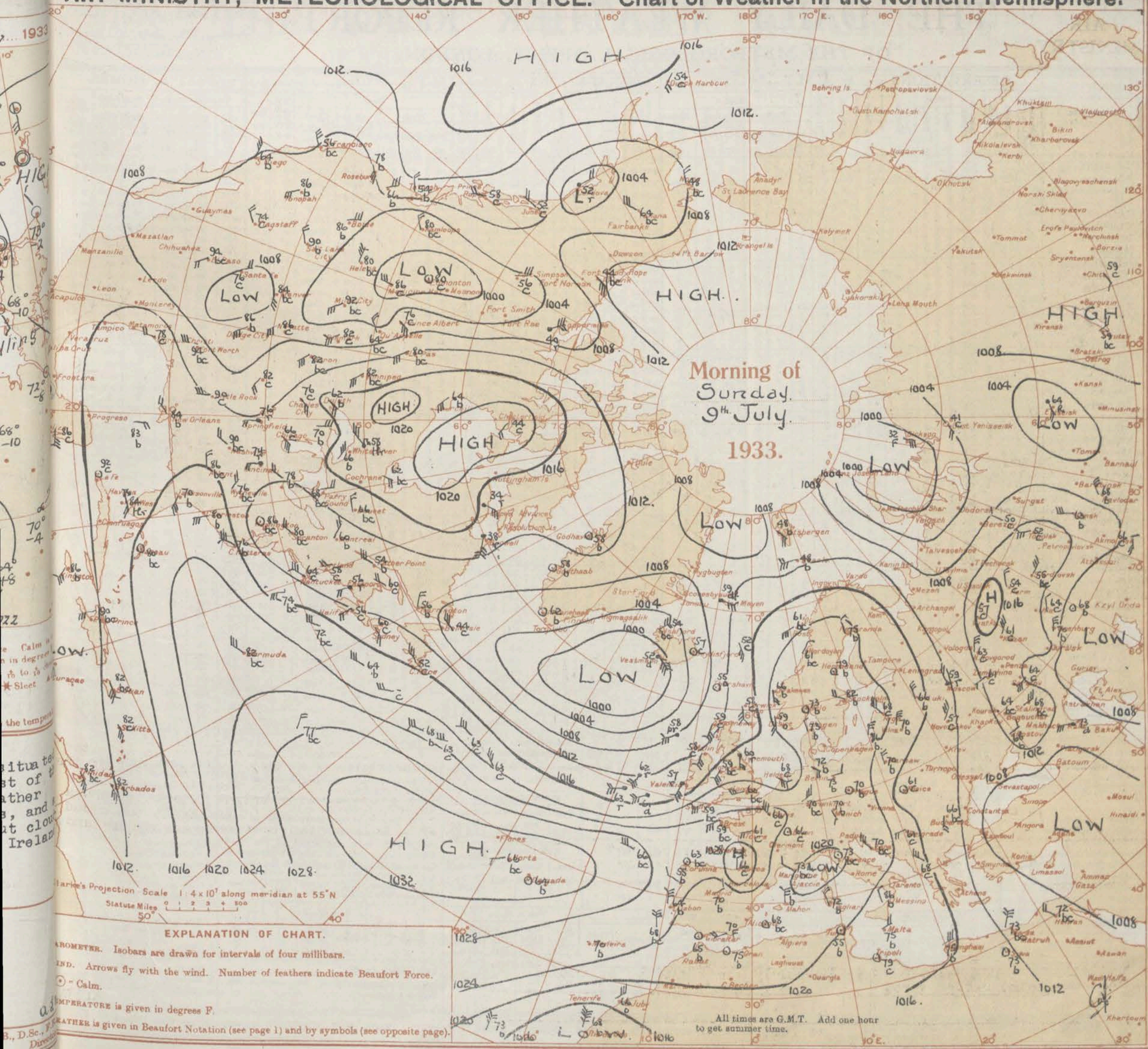
Unsettled.

Forecasts issued at 1230 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 9th July 1933.

No. 26, 162

DISTANCE.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 9th July														OBSERVATIONS at 7 hr. G.M.T. 9th July														PAST 24 HOURS.								
		Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.		
					Direc.	Force.					Low.	Med.	High.	Low.	Total.			Direc.	Force.					Low.	Med.	High.	Low.	Total.			Height of Base (feet).	Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass of.	Day 7h-18h mm.		Night 18h-7h mm.	24h Hrs.
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	+6	WSW	3	bc	62	75	8	8	-	-	4-6	4-6	2500	1	*	75	59	54	-	2	6.5		
	Croydon	217	1020.3	-2	SSE	2	r.c.	61	85	7	5	-	-	10	10	2500	1020.6	+2	WSW	3	bc	60	85	8	7	-	-	4-6	4-6	2500	1	*	73	58	55	-	1	5.8
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	+6	SWW	4	bc	62	85	8	2	-	-	4-6	4-6	1500	1	*	72	55	49	Tr.	6	3.8		
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1020.9	+6	SWW	3	c	58	85	8	2	-	-	7-8	7-8	1500	1	*	71	55	52	Tr.	11	5.3		
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1020.7	+8	SW	3	bc	58	85	7	5	-	-	2-3	2-3	1500	1	*	69	52	49	Tr.	7	2.9		
	Calshot (S' thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1021.3	+12	SWW	3	b	62	85	8	7	-	-	1	1	2500	0	1	72	57	54	-	9	5.7		
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	SW	3	c	*	*	7	8	5	*	7-8	10	1500	0	2	69	57	*	-	3	*	
	Lympe	346	1021.8	-8	WSW	3	c	60	75	8	5	-	-	10	10	4000	1021.7	+6	WSW	3	c	59	95	8	8	3	-	7-8	7-8	1500	1	*	72	57	54	-	5	13.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1020.5	0	W	4	c	61	85	8	9	3	-	4-6	7-8	1500	1	*	78	58	47	-	14	13.3		
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	-2	SWW	3	bc	61	95	7	8	3	1	2-3	4-6	2500	1	1	72	59	57	-	3	11.3		
	Gorleston	5	1020.3	-6		0	bc	61	85	7	-	3	-	0	4-6	-	1019.4	-4		0	c/r	58	95	6	6	6	-	7-8	9	1500	1	2	72	58	56	-	4	12.6
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1018.4	+4	SWW	3	c	59	95	7	8	-	-	9	9	1500	1	*	75	58	55	-	2	9.3		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	+2	SSW	2	bc	57	95	8	5	-	-	2-3	2-3	2500	1	*	70	54	51	0.5	15	4.8		
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	+8	SW	4	bc	59	85	8	5	-	-	4-6	4-6	1500	1	*	73	54	52	Tr.	10	*		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1019.3	0	SW	3	bc	59	85	7	1	-	-	2-3	2-3	4000	1	*	71	54	48	0.2	4	5.3		
5	Portland Bill	32	1020.4	+8	WSW	4	bc	59	95	7	4	-	-	4-6	4-6	2500	1021.4	+10	WSW	4	bc	60	95	7	4	-	-	4-6	4-6	2500	1	3	65	59	*	Tr.	9	*
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1021.2	+10	WSW	3	c	60	85	8	8	3	-	7-8	7-8	1500	1	3	62	58	55	-	1	0.1		
	The Lizard	240	1020.3	+6	SSW	3	bc	57	95	8	8	-	-	4-6	10	2500	1021.8	+6	SW	3	bc	59	95	8	8	4	-	2-3	2-3	2500	1	2	63	56	*	4	0.5	
	Soilly (St. Mary's)	163	1020.3	+4	W/S	4	c/pr	58	95	7	3	-	-	7-8	7-8	2500	1021.2	+6	WSW	4	bc	59	85	7	2	3	3	2-3	4-6	4000	1	3	67	57	*	5	0.3	
	Guernsey	175	1021.9	+4	WSW	1	c	58	95	7	8	-	-	7-8	7-8	2500	1023.1	+14	W/S	3	bc	61	85	7	8	-	-	4-6	4-6	2500	1	2	71	57	54	Tr.	3	6.3
6	Pembroke	142	1019.0	+4	SW	3	bc	59	85	7	4	6	3	2-3	4-6	4000	1018.1	+6	W	2	c/pr	59	95	8	8	7	-	4-6	7-8	4000	0	3	63	56	*	1	0.2	
7	Holyhead	26	1016.3	+2	SSW	4	bc	59	95	7	5	-	8	2-3	2-3	4000	1016.4	0	SSW	4	bc	59	85	7	5	-	-	4-6	4-6	800	0	2	68	57	54	0.5	-	4.3
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1017.7	+4	SSE	2	bc	60	85	7	5	-	-	4-6	4-6	4000	1	*	70	55	51	2	0.2	4.3		
8	L'pool (Bidston)	196	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	0	S	2	bc	60	85	9	7	-	-	4-6	4-6	2500	1	*	71	57	53	0.5	0.2	5.5		
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1017.2	+6	SW	1	r.c.	57	95	7	6	2	-	9	10	4000	1	*	73	57	57	1	18	7.9		
10	Spurn Head	29	1018.9	-2	SSW	3	bc	62	95	7	5	2	-	2-3	4-6	4000	1017.5	-4	S	5	c	61	95	7	3	2	-	4-6	9	4000	1	3	76	58	*	-	3	10.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1016.7	-2	SSE	1	o/r	58	95	8	5	-	-	10	10	2500	1	*	74	57	56	Tr.	6	7.8		
	Tynemouth	100	1017.1	0	S	2	0	60	85	7	6	-	-	10	10	1500	1016.5	+6	S	2	r.c.	60	95	7	6	-	-	10	10	1500	1	1	72	58	57	-	1	*
11	Inchkeith	190	1016.1	-6	S	2	0	62	85	8	5	3	-	4-6	9	1500	1015.4	-2	SW	1	c	61	85	8	8	-	-	7-8	7-8	2500	0	0	74	59	52	-	0.1	6.0
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1015.9	+2	SSW	1	c	60	85	8	5	7	8	7-8	9	4000	1	*	75	56	50	0.2	0.3	8.6		
12	Renfrew (Abbots)	18	*	*	*	*	*	*	*	*	*	*	*	*	1014.6	-2	SSE	1	c	61	75	7	8	-	-	9	10	1500	1	*	71	56	51	0.4	-	7.2		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1015.9	+2	S	3	r.c.	55	95	6	6	2	-	7-8	9	1500	1	*	71	54	53	1	5	5.9		
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1012.1	+6	SSE	3	bc	59	95	7	5	6	-	2-3	4-6	2500	0	2	65	54	51	-	-	8.1		
13b	Stornoway	34	*												1014.1	0	S	2	c	58	85	8	4	4	-	7-8	9	800	1	*	71	53	47	Tr.	2	8.3		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1015.1	+2	SSE	2	c	61	85	7	8	9	9	2-3	9	4000	0	1	72	54	49	-	-	12.0		
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1013.2	-4	S	2	c	60	95	8	5	7	8	4-6	7-8	2500	0	2	66	56	*	-	-	*		
	Wick	81	1014.3	-4	S	1	c	57	95	7	5	3	-	4-6	9	2500	1015.0	-2	S	4	c	58	95	8	5	1	-	7-8	10	450	0	*	64	55	*	-	11.4	
16	Lerwick	54	1016.9	0	SW	3	bc	60	95	6	5	1	-	2-3	4-6	1500	1015.0	-2	S	4	c	58	95	8	5	1	-	7-8	10	450	0	*	64	55	*	-	*	
17	Blackod Point	18	1011.3	+6	S	3	c	59	85	8	8	-	-	7-8	7-8	300	1011.2	-2	S	3	c	59	85	8	5	-	-	7-8	7-8	450	1	3	67	57	*	2	0.5	
18	Malin Head	52	1011.3	+12	-	0	bc	56	95	7	4	4	1	1	2-3	2500	1012.3	+2	SW	4	c	58	95	8	4	8	9	1	7-8	2500	1	1	69	54	*	-	12	8.3
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	1013.9	+6	SW	2	bc	58	85	8	5	-	-	6	2-3	4-6	800	1	*	68	55	51	Tr.	6	9.3	
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*																									



CTION  
1933.  
OURS.  
INFALL.  
Night  
18h-7h  
mm.  
(35)  
(36)  
2 6.5  
1 5.5  
6 3.5  
11 2.5  
7 5.1  
3 5.1  
5 13.4  
14 13.3  
3 12.6  
4 9.3  
2 9.3  
15 4.4  
10 5.3  
9 1  
0.5  
0.3  
7.2  
3 6.3  
0.2  
4.3  
0.2  
5.3  
18 7.9  
3 10.4  
6 7.6  
1  
0.1  
6.0  
0.3  
8.6  
- 7.1  
5 5.9  
- 8.1  
Tr. 9.7  
2 8.3  
- 12.4  
- 11.4  
0.5  
12 8.3  
6 9.3  
- 1  
0.4  
5.5  
0.5  
6.9  
1  
Code for  
visibility.  
5 yards  
220 "  
550 "  
100 "  
1 1/2 miles.  
2 1/2 "  
6 1/2 "  
2 1/2 "  
1 "  
ond 31m.  
Code for  
sea.  
y rough  
y high.  
cipitous  
fused.  
r.

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 9th. July														OBSERVATIONS at 18h. G.M.T. 9th. July														PAST 24 HOURS.								
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.								
				Dir.	Force.					Form.	Amount.	Height of Base. (feet)	Dir.	Force.			Form.	Amount.					Height of Base. (feet)	Th.—13h. 2h.	13h.—18h. 9h.	18h. 2h. to 1h. 10h.	1h.—Th. 10h.											
																														Low.	Med.	High.	Low.	Med.	High.	Low.	Med.	High.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)					
1	London (Kew)...	1020.7	-8	SW'S	4	bc	72	55	8	8	-	1	4.6	4.6	2500	1019.9	-6	SW'S	5	C	68	55	8	7	7	6	4.6	7.8	2500	0	*	bc	prbcyc	yc	cirir			
	Croydon	1020.6	-6	SSW	4	C	69	55	8	8	-	-	7.8	7.8	2500	1019.9	-2	SW'S	5	C	65	55	8	7	4	3	2.3	7.8	4000	0	*	bcy	bcy	cyir	crr			
	8. Farnborough	1020.6	-8	SW	5	bc	71	55	8	2	-	1	4.6	4.6	4000	1019.8	-6	SSW	5	C	65	65	8	2	7	6	2.3	3	4000	1	*	bc	bcy	vbcyc	co	orrdd		
	Winchester	1020.9	-2	SSW	4	C	68	75	8	8	-	-	9	9	4000	1019.8	-6	SSW	4	C	63	75	8	8	4	6	2.3	3	2500	1	*	c	cpr	cbbc	crr	orrdd		
	Boscombe Down	1020.5	-4	SW'S	4	C	67	65	8	7	-	1	9+	9+	1500	1019.4	-10	SSW	4	C	62	75	7	7	1	6	4.6	3	2500	0	*	bc	c	crr	orrdd			
	Calshot, S'thmtn	1022.0	-2	SSW	5	bc	67	75	8	8	-	-	4.6	4.6	2500	1021.2	-6	SSW	4	C	63	85	8	5	-	6	4.6	7.8	2500	0	3	b	bcq	bcq	orr	orr		
	Dungeness		*	SW	4	bc	*	*	7	2	-	-	2.3	2.3	4000	*	*	SW	4	bc	*	*	7	5	-	*	4.6	4.6	2500	*	3	bc	bc	r	orr			
	Lympne	1022.2	-2	SW	5	bc	68	65	8	2	-	-	2.3	2.3	2500	1021.9	-2	SW	4	bc	65	65	8	1	4	1	Tr.	2.3	2500	0	*	cbc	bc	c	crr			
2	Shoeburyness	1020.6	-2	WSW	4	bc	71	55	8	8	-	-	4.6	4.6	4000	1020.0	-4	SW	4	bc	69	65	8	7	3	3	2.3	2.3	4000	0	*	cbey	bc	bc	crr			
	Felixstowe	1020.2	-6	SSW	3	bc	70	55	8	2	-	-	4.6	4.6	4000	1019.7	-2	SW	4	C	69	65	8	8	-	6	4.6	7.8	2500	0	2	bc	bcy	beybc	bc	crr		
	Gorleston	1018.7	0	WSW	3	bc	71	95	7	2	-	-	4.6	4.6	2500	1018.3	+2	SSW	2	C	71	55	7	7	3	-	4.6	7.8	2500	0	2	cbey	bcy	cq	crr			
	Cranwell	1017.5	-10	SSW	4	C	72	55	8	8	-	-	7.8	7.8	2500	1016.7	-8	SW	3	C	66	75	7	8	7	8	4.6	9+	4000	1	*	bc	cpr	crr	crr			
3	Birmingham	1018.4	-2	SW	3	pr	64	65	8	8	-	-	9	9	2500	1016.8	-10	SSW	4	C	64	55	8	6	2	9	2.3	3	4000	1	*	bc	pr	cpr	crr	crr		
	Upper Heyford	1019.7	-6	WSW	5	bcpr	68	65	8	3	-	-	4.6	4.6	2500	1018.8	0	SW	4	C	69	95	7	6	7	-	7.8	9+	1500	1	*	bc	cpr	crr	crr			
4	Ross-on-Wye	1018.8	-4	WSW	4	C	67	65	8	2	4	2	2.3	7.8	4000	1017.4	-8	WSW	4	C	61	75	8	8	7	8	4.6	9	4000	0	*	bc	cpr	crr	crr			
5	Portland Bill	1022.0	+2	WSW	5	C	62	85	7	4	4	1	4.6	7.8	2500	1020.7	-8	WSW	5	C	61	95	7	5	4	-	4.6	7.8	2500	0	4	bc	C	crr	crr			
	Plymouth	1021.5	-2	SW'S	5	C	64	75	8	2	7	6	2.3	7.8	2500	1019.9	-10	SSW	5	C	61	85	8	8	2	-	9	10	1500	0	3	bc	C	crr	crr			
	The Lizard	1022.3	0	SW	3	C	63	85	8	8	6	-	4.6	7.8	2500	1019.9	-20	SW	4	C	60	85	8	8	6	-	10	10	2500	0	3	bc	C	crr	crr			
	Scilly (St. Mary's)	1020.6	-4	SW	5	C	63	85	7	5	2	-	7.8	9	4000	1017.4	-20	SW	6	jp	61	95	7	5	7	-	7.8	10	2500	0	4	bc	po	C	crr			
	Guernsey	1024.0	+4	W	4	bc	67	75	8	1	-	-	2.3	2.3	2500	1022.2	-12	W	4	bc	65	75	8	7	1	-	2.3	4.6	4000	0	3	bc	C	bc	crr			
6	Pembroke	1017.9	-4	SW	4	C	61	85	7	5	-	-	9+	9+	2500	1015.0	-22	SW	5	rr	58	95	6	3	-	-	9+	9+	1500	1	3	cq	prc	crr	crr			
7	Holyhead	1016.1	-2	SSW	5	C	62	75	7	8	7	8	1	9+	1500	1012.8	-30	SW	5	rr	58	95	6	6	-	-	10	10	450	1	3	bc	q	crr	crr			
	Chester (Sealand)	1016.3	-6	SSW	4	C	71	55	8	1	4	4	4.6	7.8	4000	1015.0	-16	SW	3	rr	63	75	8	5	2	-	7.8	10	1500	0	*	pr	C	crr	crr			
8	L'pool (Bidston)	1016.8	-4	W	4	bc	67	55	3	9	-	4	2.3	4.6	4000	1015.1	-10	SW	2	rr	61	85	9	5	1	-	7.8	10	2500	1	*	v	bcy	bcy	crr			
9	Harrogate	1015.9	-6	SW	3	pr	65	65	7	9	-	-	10	10	2500	1014.5	-6	SW'S	3	C	64	65	9	3	2	9	2.3	7.8	2500	1	*	rac	bp	C	crr			
10	Spurn Head	1016.4	-4	W	4	bc	73	55	7	3	1	-	2.3	4.6	4000	1016.0	0	SW	4	C	65	85	7	3	7	-	4.6	3	4000	0	2	bc	C	crr	crr			
	Catterick	1014.7	-18	SW	3	bc	69	55	8	1	-	-	4.6	4.6	2500	1013.7	-6	SW	2	C	65	65	9	7	3	9	4.6	7.8	2500	0	*	cpr	bc	C	crr			
	Tynemouth	1014.7	-16	S	2	C	62	75	6	9	-	-	7.8	7.8	1500	1012.8	-10	WSW	3	bc	69	55	8	7	-	1	4.6	4.6	4000	0	1	oir	C	bc	crr			
11	Incheith	1012.3	-16	ESE	1	C	66	95	8	7	3	-	2.3	7.8	2500	1010.3	-14	SSW	4	C	64	65	8	7	-	-	7.8	7.8	2500	0	3	C	C	crr	crr			
	Leuchars	1013.4	-18	ESE	3	C	67	65	8	2	-	8	2.3	7.8	1500	1010.5	-20	S	3	bc	68	55	8	2	3	1	4.6	4.6	2500	0	*	cbc	bcy	bey	crr			
12	Renfrew (Abbotts)	1012.5	-18	SW'S	4	C	68	65	8	8	-	-	9	9	2500	1009.8	-16	S	4	C	64	65	8	8	7	-	4.6	9+	4000	0	*	C	cbcp	crr	crr			
	Edinburgh	1013.7	-10	SSW	5	C	64	75	8	2	-	-	7.8	7.8	2500	1011.6	-18	SSW	5	C	59	75	8	2	3	-	4.6	7.8	2500	1	*	cr	bc	bcpr	crr			
13	Tiree	1010.4	-10	SSW	4	C	61	85	8	5	3	-	7.8	9	2500	1006.4	-26	SE	5	C	59	85	7	5	-	-	9+	9+	2500	0	2	bc	C	crr	crr			
14	Stornoway	1012.9	-8	SSW	5	bc	64	75	8	8	7	-	2.3	4.6	2500	1009.2	-20	S	4	bc	62	75	8	8	7	-	2.3	4.6	2500	1	2	bc	bc	crr	crr			
15	Dalwhinnie	1012.9	-8	S	5	C	64	75	8	4	4	-	4.6	7.8	2500	1009.2	-20	S	4	bc	67	75	8	4	1	-	4.6	4.6	4000	0	*	bc	bc	crr	crr			
	Aberdeen	1013.3	-12	SE	4	bc	66	55	8	8	4	5	2.3	4.6	4000	1010.5	-18	SE	3	bc	64	75	7	3	8	3	Tr.	4.6	4000	0	1	cbc	beybc	bc	crr			
	Wick	1011.8	-10	SE	3	bc	63	85	8	5	1	-	4.6	4.6	2500	1008.5	-10	SE	4	bc	61	85	8	7	1	-	4.6	4.6	2500	0	3	cbc	bc	bc	crr			
16	Lerwick	1013.8	-16	S	4	bc	60	95	6	5	?	?	2.3	4.6	800	1011.8	-12	SE	3	f	58	95	2	5	-	-	10	10	<150	0	*	cbmo	bc	bc	crr			
17	Blacksod Point	1006.7	-20	S	5	ir	60	85	7	5	-	-	10	10	220	1002.8	-12	WSW	4	ir	61	95	7	8	2	-	9	9	<150	1	4	ir	ir	pr	pr			
18	Malin Head	1009.7	-14	SW	4	C	62	85	8																													



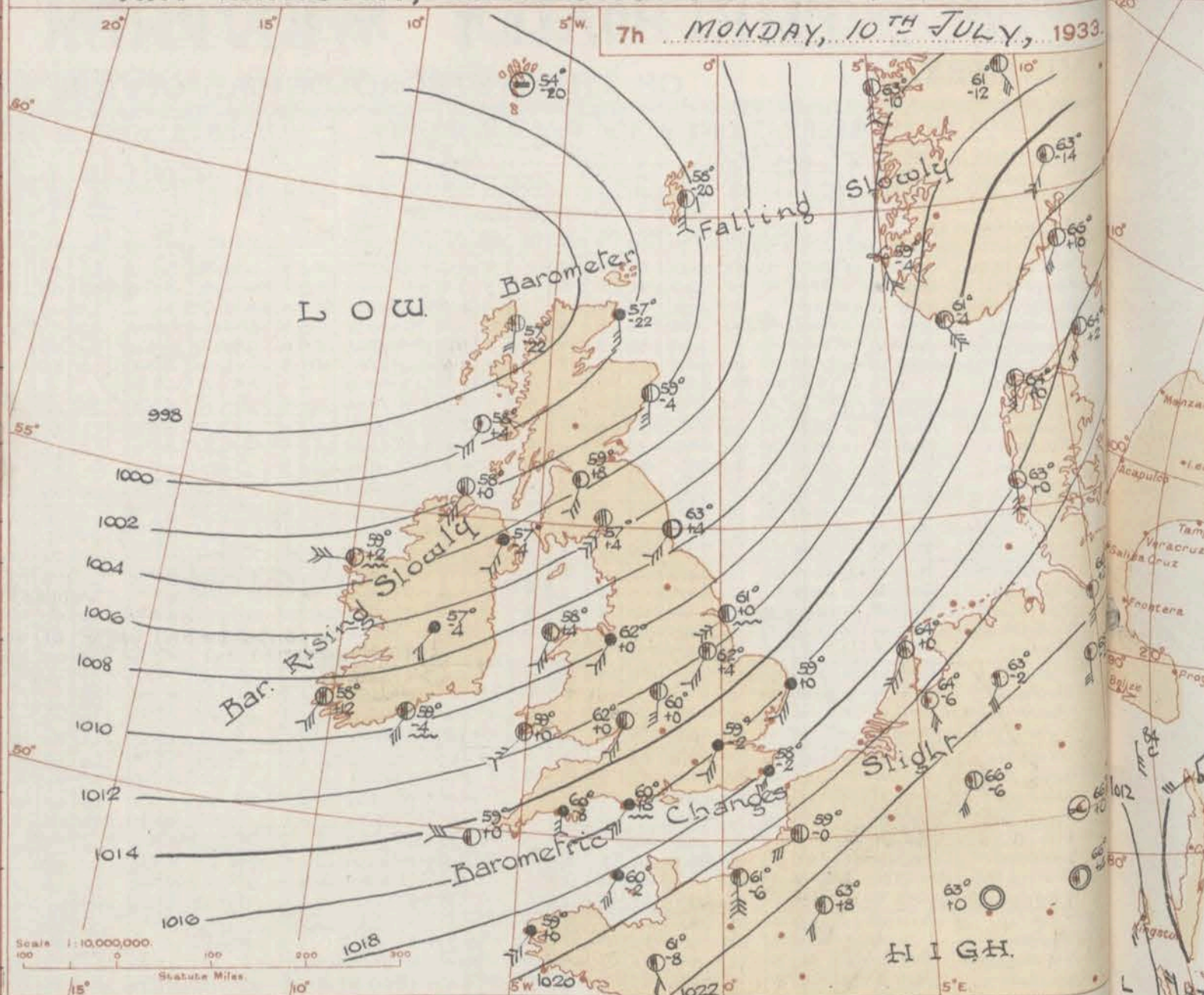
# REPORTS from HEALTH RESORTS for 9th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. to 9h.	Max. 9h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 9h.	Sunset to 9h.
1 Tunbridge W.	b	bbc	56	71	9	-	10.5	11.7
Bournemouth	b	b	57	69	5	-	10.3	4.6
Ventnor	orbb	btc	57	63	8	-	11.9	6.2
Southsea	b	b	59	70	5	-	11.8	6.0
Bognor Regis	b	b	59	68	5	-	12.0	8.7
Littlehampton	bc	bc	58	66	2	-	12.5	8.2
Worthing	b	b	59	67	2	-	12.1	8.6
Brighton	b	bc	60	66	2	-	10.4	10.4
Eastbourne	bc	b	58	65	10	-	11.3	11.7
Hastings	bcb	bcb	57	69	4	-	10.6	11.9
Folkestone	tlr bc	b	59	67	7	-	11.1	12.8
Dover	bc	bcb	59	66	6	-	9.0	13.2
Deal	bc	b	59	72	8	-	10.5	14.2
Ramsgate	bc	b	59	71	6	-	10.6	12.5
Margate	bc	bc	59	73	6	-	10.2	13.0
2 Southend	bcb	bbc	59	73	12	-	9.4	9.2
Maldon	b	bcb	57	75	7	-	9.5	9.4
Clacton-on-Sea	bcb	bcb	58	74	5	-	8.5	10.6
Dovercourt	r bc	bcc	58	73	5	-	8.4	10.8
Lowestoft	prbc	cbe	57	75	5	-	7.8	12.5
Skegness	b	bcor	57	72	3	0.4	6.0	9.6
Mablethorpe	bc	corv	57	73	3	1	6.2	11.2
Cleethorpes	corbc	bcorc	58	75	4	0.2	6.1	9.1
3 Leamington S.	ocp	c	57	71	6	2	6.4	5.4
4 Cheltenham	cipc	cbeq	55	70	8	Trace	6.8	6.5
5 Bath	cr bc	bcr c	55	69	11	1	5.7	5.0
Weymouth	b	b	52	68	14	-	12.0	2.2
Jersey	bcb	b	59	68	2	-	11.5	5.5
Torquay	pbcq	bca	53	68	0.5	-	7.9	0.0
Penzance	cbo	cbo	55	66	4	-	5.3	1.2
St. Ives	c	o	56	66	3	-	4.4	4.5
Bude	pbc	o	53	64	2	-	3.3	1.7
Ilfracombe	bc	bc	57	65	3	-	5.0	2.6
6 Aberystwyth	cprc	cr	56	65	1	1	3.2	2.6
7 Llandudno	cbe	c	55	67	1	-	4.5	1.8
Colwyn Bay	bcb	bcb	57	69	Trace	0.3	5.2	2.9
Rhyl	bcb	bcb	55	69	0.1	-	6.6	3.2
8 Wallasey	bpc	bcp	57	70	0.5	2	7.0	5.4
Southport	bcb	bcb	57	69	-	Trace	7.1	5.7
Blackpool	c	c	58	69	0.6	-	7.8	5.8
Morecambe	bcb	b	58	67	0.3	-	7.6	3.2
9 Ilkley	cbe	bprc	57	68	5	1	3.7	6.5
10 Berwick-on-T.	o	c bc	57	71	-	-	1.8	4.7
11 Dunbar	r bc	bc	58	75	0.5	-	3.6	7.4
12 Troon	r, o c	c, r c	58	65	0.3	Trace	5.3	6.1
Douglas	c b	cbeq	55	64	-	-	3.4	2.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th MONDAY, 10th JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th July, 1933.
1 S.E. England	Moderate southwest wind; cloudy, occasional rain, improving; moderate temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	Moderate southwest to west wind; cloudy, showers or occasional rain; bright intervals; moderate temperature.
5 S.W. England	
6 South Wales	
7 North Wales	Moderate or fresh southwesterly wind; bright periods, but occasional rain or showers; moderate temperature.
8 N.W. England	
9 N. Midlands	
10 N.E. England	Light or moderate southerly or variable wind; occasional rain or showers; moderate temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 A.W. Scotland & N.W. Scotland	Moderate or fresh southwest to west wind; showers or occasional rain, bright periods; moderate temperature.
14 Mid. Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	Moderate or fresh southwest to west wind; showers or occasional rain, bright periods; moderate temperature.
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — ○ TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS: — ○ Clear sky. ○ Sky less than 1/10 clouded. ○ Sky 1/10 to 1/10 clouded. ○ Sky 1/10 to 1/10 clouded. ○ Overcast sky. ● Rain falling. \* Snow. \* Sleet. \* Hail. — Fog. — Mist. T Thunder. T Thunderstorm. ∞ Haze.  
SEA DISTURBANCE. — Rough. — High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**

A depression is situated to southward of Iceland. Weather will be unsettled with showers or occasional rain in most districts.

**FURTHER OUTLOOK.**

Unsettled.

Forecasts issued at 0915 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Y., 193





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 10th. July 1933.

No. 26. 163.

DATE.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 10th. July.													OBSERVATIONS at 7 hr. G.M.T. 10th. July.													PAST 24 HOURS.									
		Height above M.S.L. in feet.	Barom. at 1 hr. M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. at 1 hr.	Humid. at 1 hr.	Visibility at 1 hr.	Cloud.			Barom. at 7 hr. M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. at 7 hr.	Humid. at 7 hr.	Visibility at 7 hr.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine at 7 hr.					
					Direc.	Force.					Form.	Amount.	Height of Base (feet).			Form.	Amount.					Height of Base (feet).	Max. Day 7h-12h.	Min. Night 12h-7h.			Min. on Grass.	Day 7h-12h.	Night 12h-7h.								
																														0-12	0-10		0-10	0-10	0-10	0-10	
																																					(3)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1	London (Kew)...	18	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1016.2	-4	SW	3	ir.	60	95	7	6	2	-	4-6	10	1500	1	72	58	55	Tr.	3	9.4	
	Croyden	217	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1016.7	-2	SW	4	ir.	59	95	7	6	2	-	4-6	10	800	1	71	56	55	-	2	10.4	
	S. Farnborough	287	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1016.0	-2	SW	4	ir.	59	95	6	6	2	-	4-6	10	450	1	72	56	55	-	3	10.1	
	Winchester	275	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1015.8	-4	SW	4	ir.	59	95	6	5	2	-	4-6	10	450	1	69	56	55	Tr.	6	12.2	
	Boscombe Down	417	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1015.2	-2	SSW	4	ir.	59	95	6	6	2	-	4-6	10	450	1	68	56	56	-	6	10.8	
	Calshot (S' thmtn)	8	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1016.4	-6	SSW	5	ir.	60	95	6	6	2	-	4-6	10	450	1	68	56	57	-	3	12.7	
	Dungeness	20	1018.5	-0.8	SW	4	cr.	59	85	7	5	-	10	10	1500	1016.4	-6	SSW	3	ir.	60	95	6	3	2	-	4-6	10	1500	1	68	58	-	Tr.	-	-	
	Lympne	346	1020.5	-0.8	SW	4	c	56	95	8	-	-	7	0	9+	1018.6	-2	SW	4	ir.	58	95	7	6	-	-	4-6	10	800	0	69	55	54	-	Tr.	11.6	
2	Shoeburyness	11	1017.3	-0.6	SW	3	c	61	75	7	5	-	9	9	2500	1017.1	-10	SW	4	ir.	60	95	6	6	-	-	4-6	10	800	1	74	58	56	-	0.6	11.4	
	Felixstowe	15	1017.3	-0.6	SW	3	c	61	75	7	5	-	9	9	2500	1016.5	-6	SSW	5	ir.	61	85	7	6	2	-	4-6	10	800	1	73	59	58	-	0.3	7.7	
	Gorleston	5	1017.3	-0.6	SW	3	c	61	75	7	5	-	9	9	2500	1015.0	0	SW	4	ir.	59	95	6	6	-	-	4-6	10	1500	1	74	58	56	-	3	3.2	
	Cranwell	240	1017.3	-0.6	SW	3	c	61	75	7	5	-	9	9	2500	1012.3	+4	SSW	4	c	62	95	8	5	8	4	7-8	2+	800	1	72	57	56	1	4	5.4	
3	Birmingham	536	1012.4	0	S	3	c	60	95	8	6	3	-	4-6	7-8	1500	1012.4	0	S	3	c	60	95	8	6	3	-	4-6	7-8	1500	1	69	56	55	1	5	6.5
	Upper Heyford	408	1012.4	0	S	3	c	60	95	8	6	3	-	4-6	7-8	1500	1014.4	0	SW	3	ir.	60	95	7	6	-	-	4-6	10	450	1	69	56	56	0.4	4	-
4	Ross-on-Wye	223	1012.4	0	S	3	c	60	95	8	6	3	-	4-6	7-8	1500	1012.8	0	SW	4	c	62	85	7	6	3	-	4-6	7-8	2500	1	68	57	56	1	4	6.2
5	Portland Bill	32	1017.0	-1.6	SW	5	rr	59	95	7	5	-	10	10	1500	1016.3	+8	SW	5	ir.	60	95	7	5	-	-	4-6	10	1500	1	62	59	-	-	4	-	
	Plymouth	82	1017.0	-1.6	SW	5	rr	59	95	7	5	-	10	10	1500	1014.6	-8	S	4	ir.	60	95	6	5	-	-	4-6	10	220	1	64	59	58	-	1.4	6.0	
	The Lizard	240	1016.3	-1.0	WSW	4	o/r	59	95	5	5	-	10	10	1500	1014.8	-2	SW	4	ir.	60	95	1	5	-	-	4-6	10	450	1	65	59	-	-	12	-	
	Seilly (St. Mary's)	163	1015.4	-1.0	WS	5	c	60	95	7	8	-	7-8	7-8	4000	1014.4	0	W	4	ir.	59	95	7	2	4	-	2-3	23	4000	1	65	58	-	Tr.	7	3.5	
	Guernsey	175	1020.4	-1.2	SW	3	o	59	85	8	5	-	10	10	2500	1018.4	-2	SW	3	ir.	60	95	6	6	-	-	4-6	10	1500	1	69	58	57	-	2	13.9	
6	Pembroke	142	1011.6	-4	SW	4	cr.	60	95	7	5	-	10	10	2500	1010.8	0	SW	4	c/pr	59	95	7	5	7	-	7-8	2+	2500	1	64	57	-	2	14	3.4	
7	Holyhead	26	1009.3	-10	SW	5	o	58	95	6	5	-	10	10	450	1009.1	+4	SW	4	c	58	95	6	5	-	-	4-6	10	7200	1	65	57	55	4	7	6.3	
	Chester (Sealand)	16	1009.3	-10	SW	5	o	58	95	6	5	-	10	10	450	1010.0	0	SW	4	pr	62	75	6	6	3	3	7-8	3	1500	1	72	57	54	Tr.	5	7.1	
8	L'pool (Bidston)	198	1009.3	-10	SW	5	o	58	95	6	5	-	10	10	450	1009.9	0	WSW	4	c/pr	61	75	7	5	-	-	4-6	10	1500	1	69	58	55	1	10	8.1	
9	Harrgate	478	1007.5	-2.2	SW	3	cr	58	95	7	6	-	10	10	1500	1008.7	0	SW	4	bc	62	75	7	3	-	-	4-6	4-6	2500	1	68	56	55	1	7	3.9	
10	Spurn Head	29	1011.8	-1.4	SW	6	rr	59	95	7	6	2	-	7-8	10	2500	1011.0	0	SW	6	c	61	95	7	5	7	-	4-6	7-8	2600	0	75	56	-	0.2	2	5.4
	Catterick	175	1007.5	-2.2	SW	3	cr	58	95	7	6	-	10	10	1500	1008.0	+6	S	4	ir	59	85	7	6	-	-	4-6	10	1500	1	71	56	56	0.2	4	6.8	
	Tynemouth	100	1007.5	-2.2	SW	3	cr	58	95	7	6	-	10	10	1500	1006.0	+4	SW	4	bc	63	75	6	5	-	-	4-6	4-6	1500	1	72	57	55	Tr.	5	-	
11	Inchkeith	190	1005.1	-2.8	SSW	1	rr	58	95	8	5	-	10	10	2500	1003.6	0	SW	4	ir.	61	95	7	8	-	-	7-8	7-8	2500	1	71	57	55	-	3	7.2	
	Leuchars	35	1005.1	-2.8	SSW	1	rr	58	95	8	5	-	10	10	2500	1003.2	+2	SW	4	bc/pr	61	95	7	8	-	-	4-6	4-6	2500	1	71	57	56	-	4	7.3	
12	Renfrew (Abbotts)	18	1003.9	-8	SSW	4	bc/pr	59	85	7	9	7	1	2-3	2-3	1500	1003.9	+8	SSW	4	bc/pr	59	85	7	9	7	1	2-3	2-3	1500	1	69	57	55	Tr.	3	5.4
	Eskdalemuir	794	1004.5	+4	SW	6	c	57	85	7	6	-	-	-	-	1500	1004.5	+4	SW	6	c	57	85	7	6	-	-	-	-	1500	1	67	54	54	0.2	20	6.5
13a	Tiree	22	1005.7	+4	SW	4	bc	58	95	7	5	7	-	4-6	4-6	2500	1005.7	+4	SW	4	bc	58	95	7	5	7	-	4-6	4-6	2500	1	63	54	52	-	6	5.2
13b	Stornoway	34	1005.7	+4	SW	4	bc	58	95	7	5	7	-	4-6	4-6	2500	1005.7	+4	SW	4	bc	58	95	7	5	7	-	4-6	4-6	2500	1	66	55	-	-	7	11.3
15	Dalwhinnie	1176	1001.1	-4	S	2	c	57	95	8	4	4	-	4-6	7-8	800	1001.1	-4	S	3	ir.	55	95	8	4	4	-	4-6	7-8	800	1	70	52	51	-	7	8.3
	Aberdeen	37	1001.4	-4	S	3	c	59	95	6	6	3	-	7-8	7-8	1500	1001.4	-4	S	3	c	59	95	6	6	3	-	7-8	7-8	1500	1	67	56	545			





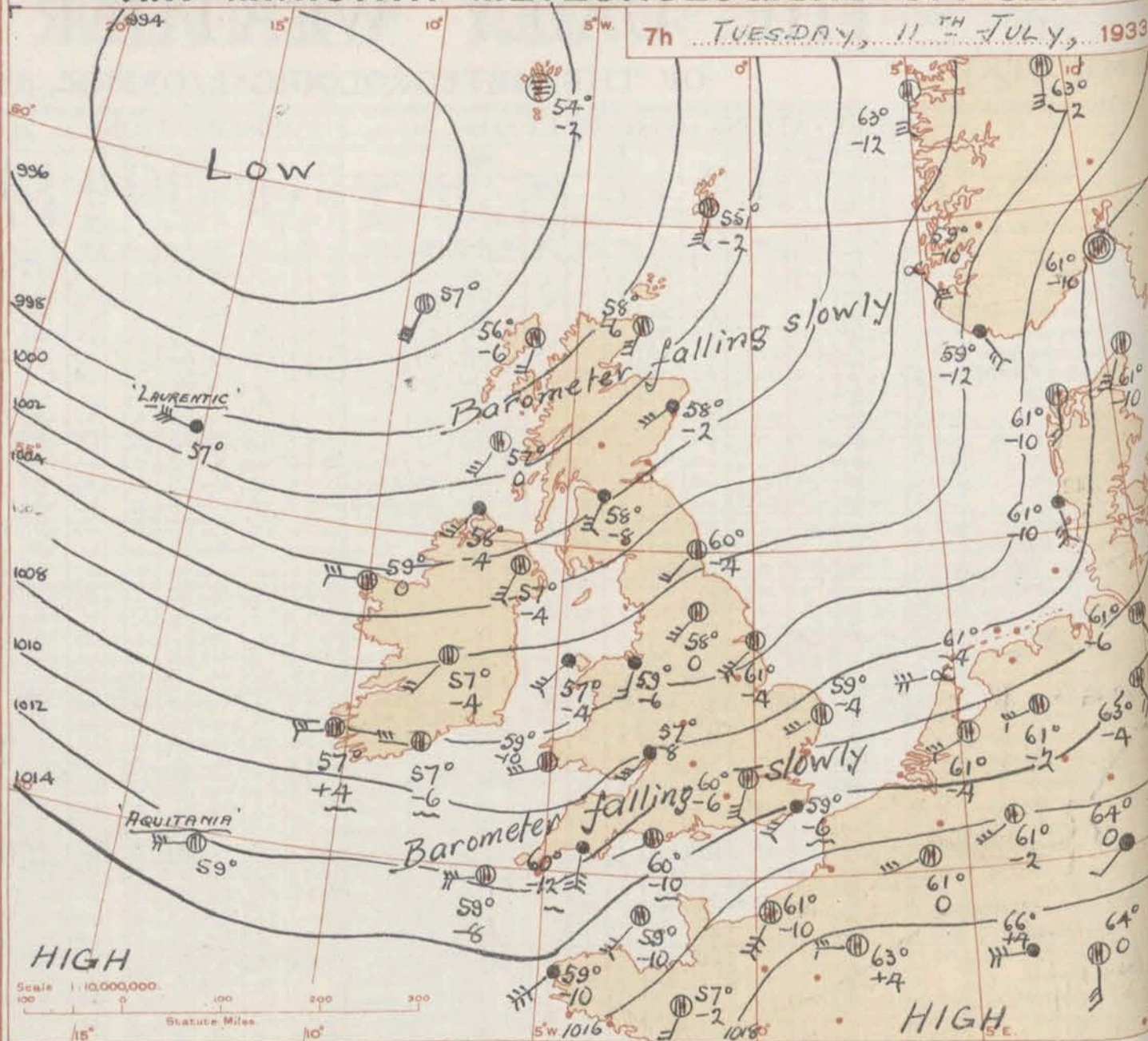


# REPORTS from HEALTH RESORTS for... 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h.-10h.	Max. 9h.-17h.	Night. 17h.-9h.	Day. 9h.-17h.	Sunrise to 17h.	Sunset.
1 Tunbridge W.	odr	orbc	57	64	3	2	0.6	11.4
Bournemouth	or	bc	58	67	6	3	4.2	10.7
Ventnor	rodm	ouc	58	62	8	1	0.2	12.1
Southsea	orc	cb	59	68	7	1	3.1	12.2
Bognor Regis	rrro	cbe	60	65	5	1	2.2	12.7
Littlehampton	cred	cbe	59	65	5	1	2.0	13.3
Worthing	rc	cbe	59	64	5	0.5	1.6	12.9
Brighton	ro	ocbe	59	64	5	0.3	1.1	11.6
Eastbourne	rrro	ocbe	59	63	2	0.3	0.3	12.5
Hastings	odro	pecbe	59	63	1	0.3	0.3	11.7
Folkestone	odr	odr	59	65	0.4	2	0.0	12.5
Dover	odr	odr	59	63	0.5	2	0.0	11.4
Deal	odr	odr	58	66	0.2	2	0.3	12.0
Ramsgate	rc	c	55	65	0.2	0.2	0.2	11.8
Margate	or	c	53	67	Trace	0.5	0.4	11.8
2 Southend	or	ocbe	59	67	2	1	2.2	10.6
Maldon	rc	ep,bo	59	70	0.5	0.3	1.5	10.0
Clacton-on-Sea	orc	cbe	60	67	0.6	1	0.5	9.2
Dovercourt	roc	pbe	53	67	1	0.6	1.1	9.6
Lowestoft	cpo	ocbe	58	66	3	Trace	0.2	8.2
Skegness	cbc	b	57	72	1	1	0.1	6.3
Mablethorpe	cbop	becbe	57	72	2	1	0.0	6.2
Cleethorpes	berb	corbe	57	73	2	0.4	4.5	6.2
3 Leamington S.	bc	beb	57	73	7	1	8.3	6.4
4 Cheltenham	cbcb	bcb	57	72	4	1	7.7	6.2
5 Bath	cp	cbop	59	71	7	2	3.5	5.9
Weymouth	cfdr	bcb	59	65	6	4	3.5	12.3
Jersey	rcbe	dcbe	61	67	2	0.2	2.3	14.0
Torquay	ro	crpbe	59	69	8	2	4.7	8.0
Penzance	cbc	cb,rb	59	66	12	Trace	7.2	5.5
St. Ives	b	c	60	66	10	1	8.5	4.4
Bude	pbe	bc	59	65	7	1	7.9	3.3
Ilfracombe	b	b	59	66	14	1	9.3	6.0
6 Aberystwyth	crro	cbe	58	65	15	1	6.8	3.2
7 Llandudno	cbc	bcp	59	63	6	0.1	8.0	4.5
Colwyn Bay	bcb	bcb	59	63	4	0.3	7.1	5.2
Rhyl	cbc	cbe	58	63	3	1	7.3	6.4
8 Wallasey	bc	bcb	57	70	12	1	8.9	7.0
Southport	cbcb	bcb	57	70	19	1	9.3	7.1
Blackpool	cp	c	58	68	14	0.1	7.2	7.8
Morecambe	bcbe	dcbe	52	67	9	Trace	7.5	7.6
9 Ilkley	cbc	bcp	56	70	4	1	5.8	3.7
10 Berwick-on-T.	c	bc	55	69	1	1	8.4	3.9
11 Dunbar	cp	bc	57	71	1	Trace	5.0	5.7
12 Troon	rrro	orora	57	63	1	0.5	3.6	5.6
Douglas	cbbo	dcbe	55	64	8	Trace	7.8	3.4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

## AIR MINISTRY. METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th July, 1933.
1. S.E. England	Wind southwest or west, moderate or fresh; cloudy, brighter intervals, showers or occasional rain, perhaps local thunder; moderate temperature.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Wind southwesterly, moderate; cloudy, showers or occasional rain, brighter intervals; moderate temperature.
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	Moderate or fresh westerly wind; cloudy, showers or occasional rain, brighter intervals; moderate temperature.
12. S.W. Scotland & Isle of Man	
13. A.W. Scotland	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.

WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 3/4 clouded. ☄ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. T Thunderstorm. ☁ Haze.

SEA DISTURBANCE. Rough. High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**

A depression is centred between Iceland and the British Isles while another depression far out on the Atlantic is likely to develop and move eastwards. There will be showers or occasional rain in most districts but also brighter intervals. Thunder may occur locally.

**FURTHER OUTLOOK.**

Unsettled.

Forecasts issued at 0910 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.  
 WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.  
 ☉ - Calm.  
 TEMPERATURE is given in degrees F.  
 WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

All times are G.M.T. Add one hour to get summer time.



OF THE METEOROLOGICAL OFFICE, LONDON.

Tuesday, 11<sup>th</sup> July 1933.

No. 26164.....

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.											
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—18h.												Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.											
Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine to Sunset hrs.		Humidity.		Visi- bility mi.										
	Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.	15h. G.M.T. %	9h. G.M.T. %													
24 hrs. ended 9h.			°F.	°F.		mm.	mm.	Yesterday.	To-day.														
SOUTH KENSINGTON.																							
Max. Time. Min. Time. 0.3 8h 10m Nil 13h 10m 5.11 11m.																							
Kew Observatory.																							
Max. Time. Min. Time. 0.1 whole period.																							
COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.																							
COLUMNS 4, 48. The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.																							
Beau- Statute Beau- Statute Beau- Statute fort. m/h. fort. m/h. fort. m/h. No. No. No. No. No. No.																							
0 1 4 13-18 9 47-54 1 1-3 5 19-24 10 55-63 2 4-7 6 25-31 11 64-75 3 8-12 7 32-38 12 75 8 39-46																							
COLUMNS 8, 22.—Code for surface visibility. Objects not visible at 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze 1 1/2 miles. 5 Poor visibility 2 1/2 " 6 Moderate " 6 1/2 " 7 Good " 12 1/2 " 8 Very good " 31 " 9 Excellent " beyond 31m.																							
COLUMNS 30.—Code for State of Sea. 0 Calm. 5 Very rough. 1 Smooth. 6 High. 2 Slight. 7 Very high. 3 Moderate. 8 Precipitous. 4 Rough. 9 Confused.																							
COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.																							
FOREIGN OBSERVATIONS.																							
18h. G.M.T. 12h. G.M.T. Th. G.M.T. Past 24 Hours.																							
STATIONS.	Barom. mb.	Wind.		Weather.	Temp. °F.	Barom. mb.	Wind.		Weather.	Temp. °F.	Max. Day °F.	Min. Night °F.	Rainfall.										
		Dirac.	Force.				Dirac.	Force.					Day. mm.	Night. mm.									
PARIS ...	1017.8	WSW	3	C	75	1018.6	W	4	C	63	79	59	-	Tr.									
BRUSSELS ...	1017.6	S	2	1/2	61	1015.7	ENE	4	C	63	73	57	1	Tr.									
BREIL ...	1019.0	-	0	C	81	1014.1	SSW	2	3/4	70	81	64	-	-									
ZURICH ...	1019.1	NW	3	C	77	1019.3	SSW	1	C	66	84	61	-	-									
ROME ...						1017.8	W	2	b	75		63											

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADAMSTRAL HOUSE, KINGSWAY LONDON, W.0.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

flha observations are from Valentia W/T station      : Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h.



NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2

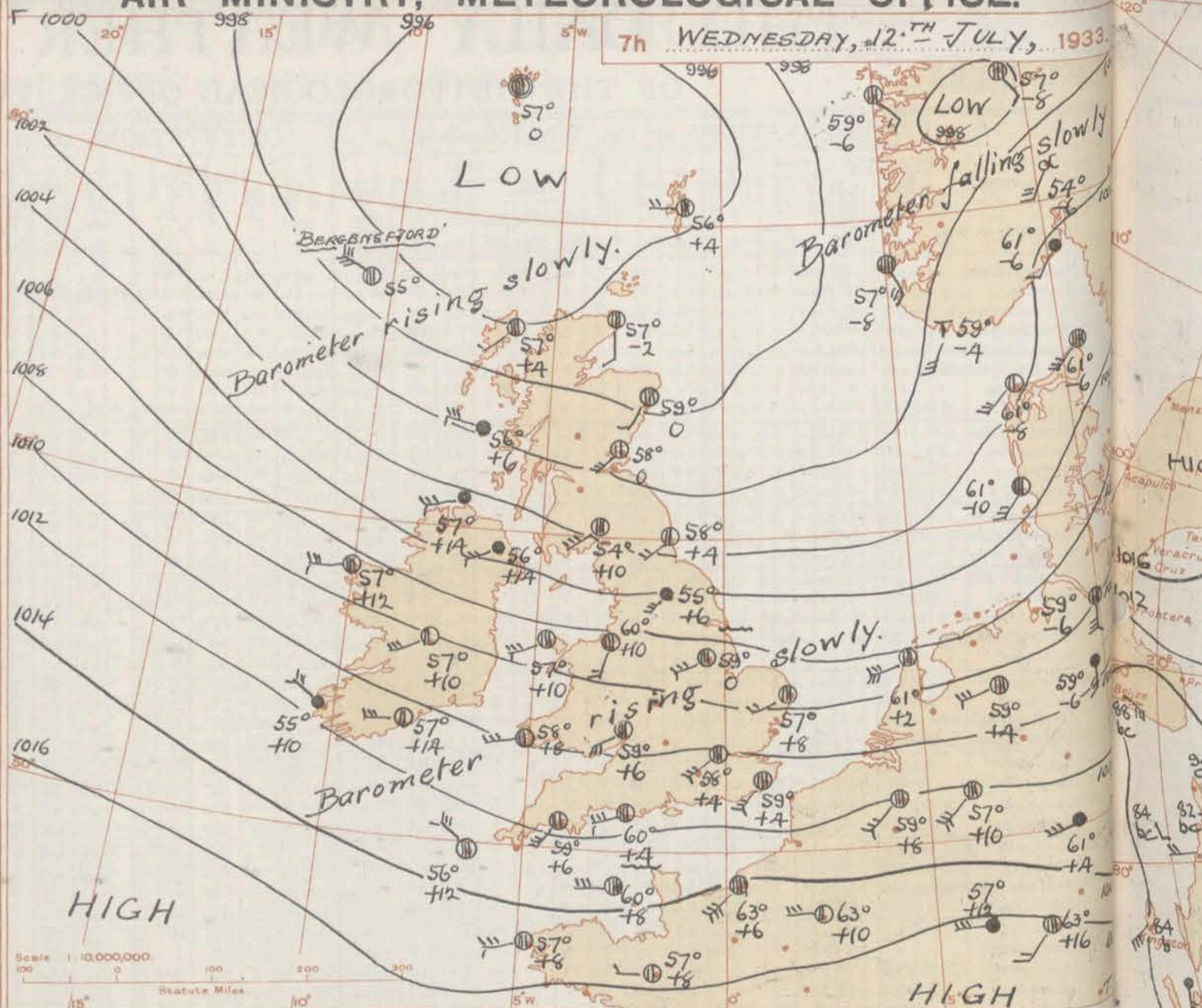


# REPORTS from HEALTH RESORTS for 1933

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h.-17h.	Max. 9h.-17h.	Night. 17h.-9h.	Day. 9h.-17h.	Sunrise to 17h.	Sunset to 17h.
1 Tunbridge W.	opt	cbcc	57	68	-	1	2.5	3.3
Bournemouth	obcc	bec	59	68	3	-	4.0	4.3
Ventnor	orb	coc	58	63	1	Trace	2.7	0.2
Southsea	c	beb	60	67	-	-	4.1	4.2
Bognor Regis	ocbc	bc	60	65	-	-	3.2	2.4
Littlehampton	c	cbc	60	64	Trace	-	2.5	2.7
Worthing	c	cbc	60	65	Trace	-	2.9	1.9
Brighton	oc	bc	60	64	2	-	3.3	1.4
Eastbourne	orb	ocbc	59	64	-	1	2.5	0.7
Hastings	ocpc	cbcc	58	63	0.2	0.3	1.9	0.8
Folkestone	cor	ocbc	58	63	-	0.2	2.0	1.3
Dover	opc	cbc	59	62	0.3	0.1	2.3	0.2
Deal	obc	beb	58	65	-	-	3.5	1.4
Ramsgate	c	cbc	58	64	-	-	4.3	1.6
Margate	c	cbc	57	67	-	-	4.4	2.0
2 Southend	co	ocbc	59	67	-	0.3	2.4	4.2
Maldon	c	orc	57	67	-	1	0.7	3.2
Clacton-on-Sea	c	cPebc	59	66	-	1	1.1	2.6
Dovercourt	bcc	bcpcbc	58	66	-	1	0.8	3.1
Lowestoft	bec	bcpc	56	69	-	1	2.4	0.6
Skegness	obcc	rcbc	58	68	-	2	2.6	7.7
Mablethorpe	cp	cp	56	69	2	1	2.6	6.6
Cleethorpes	ocpc	cirR	57	70	0.2	2	2.6	4.6
3 Leamington S.	bcp	bcp	58	68	0.2	4	2.5	10.1
Cheltenham	cir	bcc	56	67	1	0.3	3.9	8.6
4 Bath	cbcp	cbc	59	67	Trace	2	5.1	4.6
Weymouth	cpc	beb	59	66	Trace	0.6	2.8	3.5
Jersey	rcbc	rcbc	60	65	1	5	1.6	3.7
Torquay	pcq	orpbcc	58	68	0.2	1	3.6	5.0
Penzance	beb	cbpbc	57	66	Trace	Trace	4.8	7.7
St. Ives	b	c	60	67	Trace	-	7.1	9.7
Bude	pcbc	bcc	56	62	2	-	3.6	8.1
Ilfracombe	bpc	bcc	59	65	6	2	4.8	9.9
5 Aberystwyth	bcc	c	59	63	-	-	1.0	7.1
Llandudno	c	pcbcc	58	67	0.4	Trace	2.5	9.3
Colwyn Bay	cpc	cbcc	58	68	-	1	0.8	8.3
Rhyl	cprc	cir	57	68	0.3	0.3	0.9	9.2
6 Wallasey	p	pbc	58	67	1	0.3	2.1	9.6
Southport	opcbc	bcbcc	58	67	2	0.3	2.3	11.2
Blackpool	opc	c	58	66	2	0.1	2.8	8.8
Morecambe	cbcc	cbcc	58	64	9	-	1.2	8.1
9 Ilkley	cprc	clpr	56	68	0.3	1	1.5	6.9
Berwick-on-T.	c	TRco	58	67	-	2	2.8	8.8
Dunbar	cp	bc	55	70	-	1	3.7	9.7
11 Troon	-	-	-	-	-	-	-	-
12 Douglas	cicd	cidebg	55	64	3	Trace	2.8	8.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.





# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 12 July 1933.

No. 26165

Distance.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 12 July														OBSERVATIONS at 7 hr. G.M.T. 12 July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.						Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.						State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine.																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					Dir.	Force.					Low.	Med.	High.	Low.	Total.	Dir.			Force.	Low.					Med.	High.	Low.	Total.	Height of Base (feet).	Low.			Med.	High.	Low.	Total.	Height of Base (feet).		Max. Day 7h-18h.	Min. Night 18h-7h.	Min. on Grass.	Day 7h-18h.	Night 18h-7h.																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																																												0-12.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.



NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



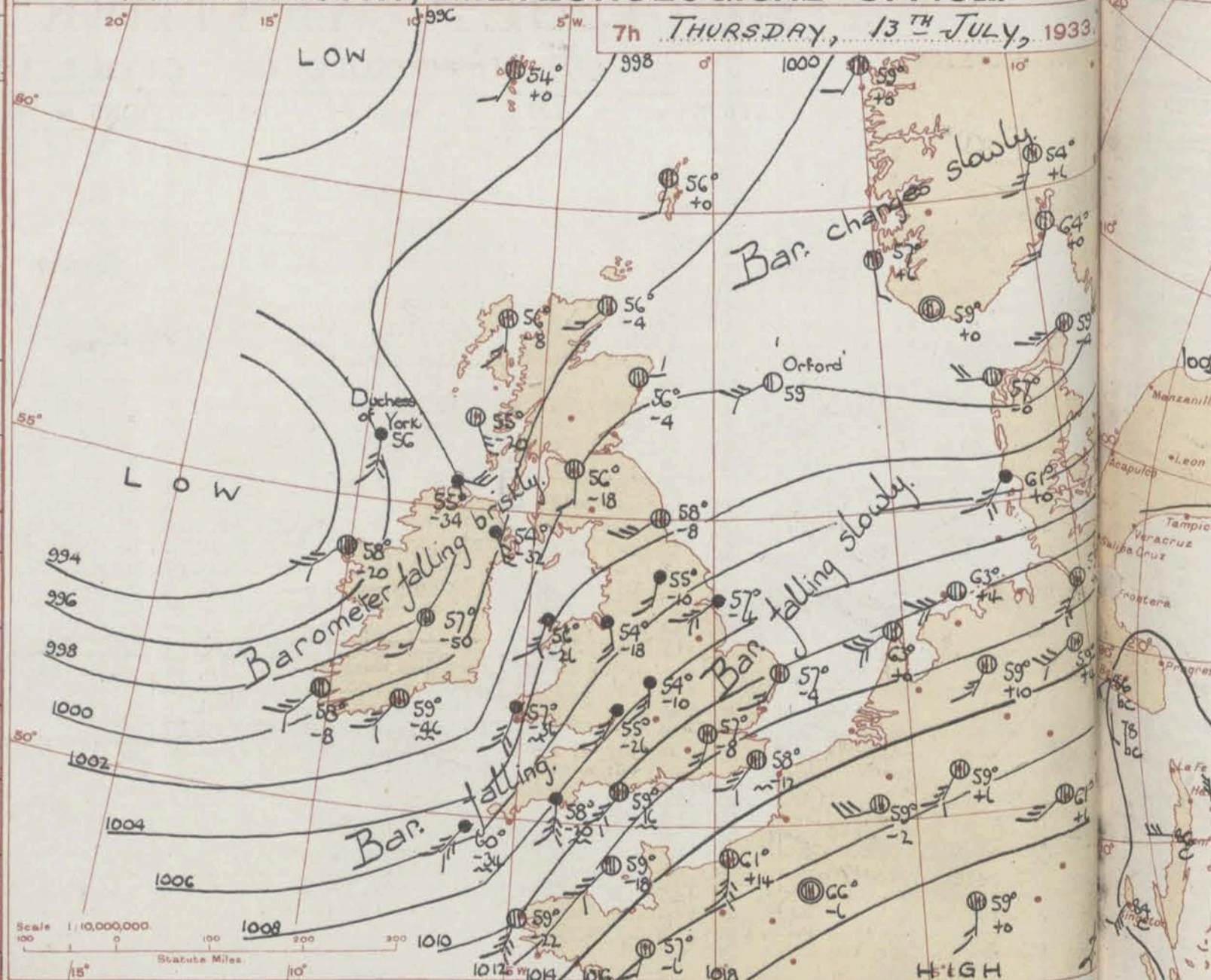
# REPORTS from HEALTH RESORTS for 12th July, 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h.-12h.	Max. 12h.-17h.	Night. 17h.-12h.	Day. 9h.-12h.	Sunrise to 17h.	Sunrise to Sunset.
1 Tunbridge W.	bcc	trbc	54	68	-	4	4.4	3.3
Bournemouth	c	c	57	70	-	-	7.5	4.0
Ventnor	cob	b	58	64	-	-	8.0	2.7
Southsea	bbeb	bbe	60	70	-	-	9.0	4.1
Bognor Regis	bbe	bbeb	59	67	-	-	10.3	3.2
Littlehampton	cbe	bc	59	66	-	-	8.1	2.6
Worthing	pebc	bbe	60	66	Trace	Trace	7.5	3.1
Brighton	bcb	bc	60	66	-	-	6.7	3.6
Eastbourne	bc	bcc	59	65	-	-	9.1	2.8
Hastings	bccbe	bcc	57	67	2	-	7.2	2.2
Folkestone	bc	ber	56	68	-	Trace	5.2	2.6
Dover	bccr	bccr	57	66	Trace	Trace	5.7	2.8
Deal	obc	corbe	56	70	-	6	4.3	5.0
Ramsgate	bc	trbcbp	57	70	-	6	4.3	5.4
Margate	bc	cd, bc	56	71	-	Trace	5.0	5.7
2 Southend	bccbe	bepc	57	67	-	0.6	3.8	2.4
Maldon	cbe	bepc	54	73	0.3	0.3	3.8	0.7
Clacton-on-Sea	bcc	c	57	71	-	-	4.8	1.1
Dovercourt	bc	bepbe	56	72	-	1	7.6	1.4
Lowestoft	cprbe	ercbe	55	71	1	0.6	6.0	4.1
Skegness	bepc	abc	56	68	-	0.3	6.0	2.7
Mablethorpe	cbe	ct	56	70	3	-	8.2	2.9
Cleethorpes	bcc	bc	55	70	6	-	7.4	2.6
3 Leamington S.	bcc	c	55	69	4	-	5.7	2.5
4 Cheltenham	bcc	cpv	56	70	0.3	Trace	4.6	4.4
5 Bath	pebc	bcb	57	69	7	1	6.9	5.2
Weymouth	bepc	b	58	68	-	Trace	6.7	2.8
Jersey	c	cbe	59	66	-	-	3.3	3.1
Torquay	c	cprby	57	69	-	1	7.1	3.7
Penzance	cbe	cbpb	56	66	0.5	Trace	6.1	5.3
St. Ives	c	b	56	66	Trace	-	7.0	7.3
Bude	pebc	bcb	56	64	3	-	6.0	4.1
Ilfracombe	pebc	bbe	59	68	-	1	8.1	6.2
6 Aberystwyth	orc	c	57	62	1	-	0.9	1.0
7 Llandudno	rc	c	57	64	5	Trace	1.6	3.0
Colwyn Bay	cpapc	cbe	57	67	4	0.3	2.6	1.5
Rhyl	cd, c	cbcc	57	69	3	Trace	1.5	1.4
8 Wallasey	pebc	bcc	57	67	3	1	1.6	2.6
Southport	ocbep	cbbe	58	66	0.1	0.1	2.7	2.8
Blackpool	c	c	58	65	-	-	2.0	2.8
Morecambe	cbcc	cbbe	58	64	0.5	-	1.6	1.2
9 Ilkley	cpr	cpr	54	65	2	Trace	2.0	2.2
Berwick-on-T.	cpr	pr, oc	53	65	1	0.5	3.5	3.2
Dunbar	bep	bep	57	66	-	0.5	5.4	4.5
Troon	ro, ro	oro	56	58	6	1	0.1	3.9
Douglas	cbqcid	cbqcid	54	65	4	Trace	5.1	2.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th July, 1933
1. S.E. England	Moderate to strong south to southwest wind, perhaps a gale locally on coast; dull, rainy; showers and bright intervals later; day temperature below normal.
2. E. England	
3. E. Midlands	Moderate or fresh south to southwest wind; dull, rainy; showers and bright intervals later; day temperature below normal.
4. W. Midlands	
5. S.W. England	
6. South Wales	Fresh or strong southwest to west wind, perhaps gale locally on coast; cloudy, showery; brighter intervals; moderate to rather low temperature.
7. North Wales	
8. N.W. England	Moderate or fresh southerly wind, veering later; rainy then showery; day temperature below normal.
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Moderate or fresh southeast to east or variable wind; dull, rainy; rather cool.
13. A.W. Scotland & N.W. Scotland	
14. Mid Scotland	Light or moderate southeast to east wind, freshening somewhat; dull, rain at times; rather cool.
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Moderate or fresh southwest wind, veering west to north west, becoming strong locally; cloudy, intermittent rain or showers, probably a few bright intervals later; moderate to rather low temperature.
19. S.E. Ireland	
20. S.W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than  $\frac{1}{2}$  clouded. ☁ Sky  $\frac{1}{2}$  to  $\frac{3}{4}$  clouded. ☁ Sky  $\frac{3}{4}$  to  $\frac{5}{8}$  clouded. ☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail.  
☁ Fog. ☁ Mist. ☁ Thunder. ☁ Thunderstorm. ☁ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A depression off Northwest Ireland is moving eastward. Rain will be general and wind may reach gale force locally on the South Coast and Channel.

### FURTHER OUTLOOK.

Unsettled.

### Time of issue of Gale Warnings.

V. South Cone hoisted at 0810 G.M.T. on 13th in districts 1, 5 and 6.

Forecasts issued at 0915 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.







LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.																																									
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—18h.														Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine to Sunset.		Humidity.		Atmospheric Pollution.		COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 3, 22.—Code for surface visibility. Objects not visible																						
Morning.			Afternoon.			Night.			Day Max.		Night Min.		Min. on Grass.		Day.		Night.		15h. G.M.T. %		9h. G.M.T. %		Variability 9h.		Milligrams of Solid Impurity per cubic metre.																														
24 hrs. ended 9h.									°F.		°F.		°F.		mm.		mm.		Yesterday.		To-day.		24 hrs. ended 7h. G.M.T. 13h.																																
															SOUTH KENSINGTON.																																								
Kew ... ..														18	c	bey	v	bcc	ra	72	56	51	-	Tr.	7.8	.	.	6	Max.				Time.																						
CROYDON ... ..														217	cpr	bey	c	bey	v	70	54	51	-	Tr.	6.8	.	.	7	<0.3				8-10h. Nil																						
GREENWICH (Royal Observatory) ...														149	cp	b	c	b	c	74	56	49	Tr.	Tr.	6.5	55	81	6					11h. 12 <sup>h</sup>																						
CITY (Bunhill Row) ... ..														—						.	.	.	.	.	6.5	.	.	.					12 <sup>h</sup> 6h. 13 <sup>h</sup>																						
WESTMINSTER (St. James' Park) ...														27	.	.	.	.	.	71	55	53	0.6	6.7	50	79	.	Kew OBSERVATORY.																											
REGENTS' PK. (Botanic Gardens) ...														108	.	.	.	.	.	73	55	49	Tr.	7.1	51	79	.	Max.				Time.																							
CAMDEN SQUARE ... ..														110	c	b	c	b	c	74	56	53	-	Tr.	.	81	.	<0.1 throughout the period																											
KENSINGTON ... ..														80	c	op	b	c	bey	72	55	50	-	0.4	6.3	At 18h. 87	.																												
HAMPSTEAD OBSERVATORY ... ..														450	b	c	b	c	or	70	53	50	-	0.3	7.2	49	76	.																											
FOREIGN OBSERVATIONS.														18h. G.M.T. 12m. July														7h. G.M.T. 13m. July														Past 24 Hours.													
STATIONS.														Barom. mb.		Wind.		Weather.	Temp. °F.	Barom. mb.		Wind.		Weather.	Temp. °F.	Max. Day °F.	Min. Night °F.	Rainfall.		COLUMNS 30.—Code for State of Sea.																									
																Dirac.	Force.					Dirac.	Force.					Day. mm.	Night. mm.																										
PARIS ... ..														1016.3	NW	3	c	68	1016.2	-	0	c	64	73	61	-	-	0 Calm. 5 Very rough.																											
BRUSSELS ... ..														1013.4	W'S	4	c	64	1014.8	WSW	3	c	59	70	54	0.1	-	1 Smooth. 6 High.																											
BERLIN ... ..														1010.9	WSW	4	b	68	1014.0	WSW	5	b	64	70	55	-	Tr.	2 Slight. 7 Very high.																											
ZURICH ... ..														1018.0	WSW	2	c/r	63	1019.2	ESE	1	c	63	68	57	7	Tr.	3 Moderate. 8 Precipitous.																											
ROME ... ..														1018.4	WSW	3	b	79	1019.3	-	0	b	75	93	64	-	-	4 Rough. 9 Confused.																											

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 91.



DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 13 <sup>th</sup> July.													OBSERVATIONS at 18h. G.M.T. 13 <sup>th</sup> July.													PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Barom. at station m.b.	Change in 3 hours.	Wind.		Weather.	Temp. at station.	Humid. %	Visibility 0-10	Cloud.			Barom. at station m.b.	Change in 3 hours.	Wind.		Weather.	Temp. at station.	Humid. %	Visibility 0-10	Cloud.			State of ground. 0-9	Sea. 0-9	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				Dir.	Force.					Form.	Amount.	Height of base (feet).			Form.	Amount.					Height of base (feet).	Form.	Amount.			Height of base (feet).	Th. - 13h. 13 <sup>th</sup>	13h. - 18h. 13 <sup>th</sup>	18h. 13 <sup>th</sup> to 14 <sup>th</sup>	14 <sup>th</sup> - Th.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																															Low.	Med.	High.	Low.	Total.	Low.	Total.	Low.	Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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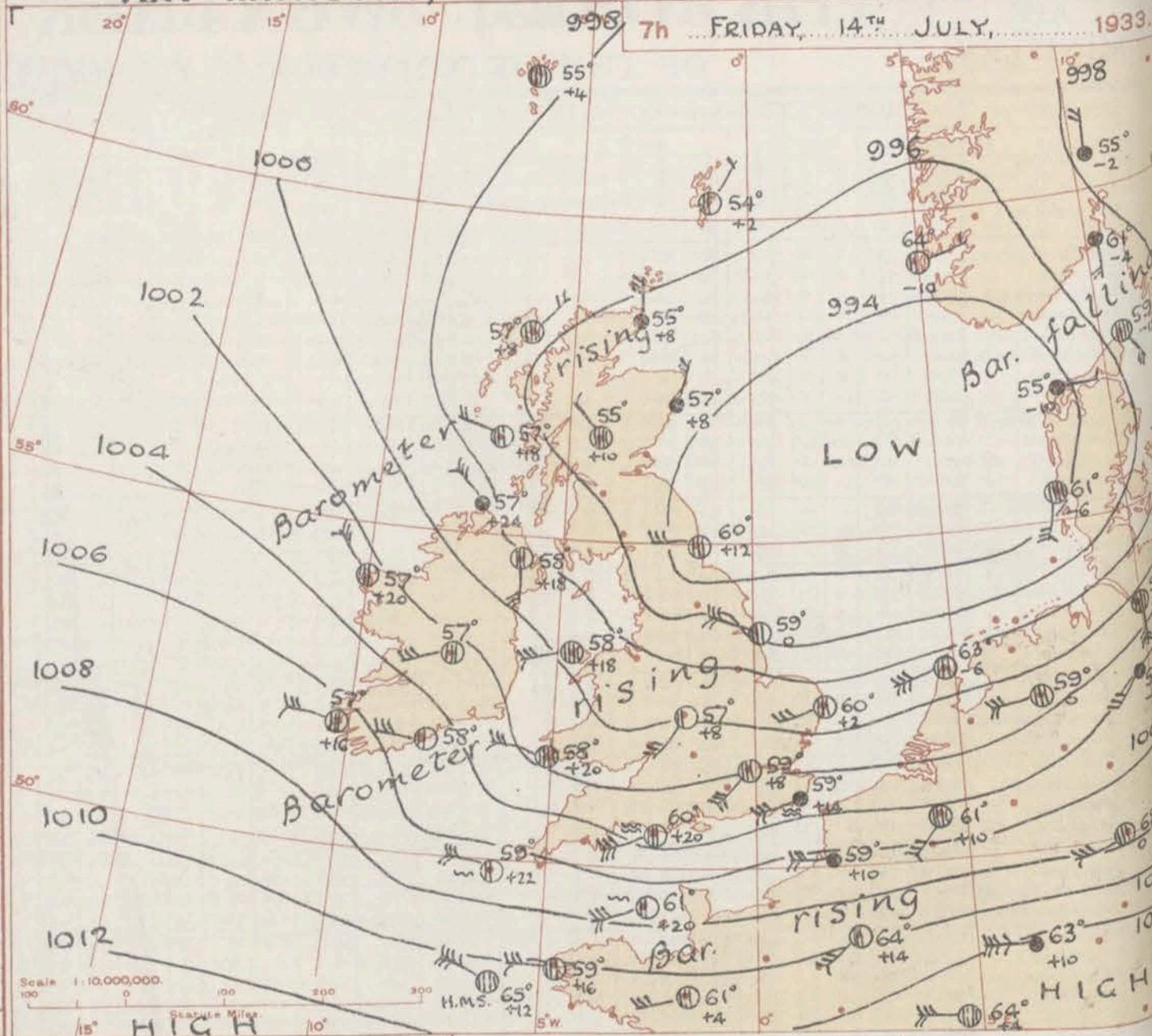


# REPORTS from HEALTH RESORTS for 13<sup>th</sup> JULY 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. to 12h.	Max. 12h. to 5h.	Night. 5h. to 9h.	Day. 9h. to 5h.	Sunrise to 17h.	Sunset to 12h.
1	Tunbridge W.	oor	oro	53	61	-	6	0.0	6.6
	Bournemouth	ra	ro	57	63	1	7	0.0	8.5
	Ventnor	oor	ro	57	61	Trace	8	0.0	9.5
	Southsea	oor	oro	59	63	1	7	0.0	9.6
	Bognor Regis	oor	oro	58	62	0.3	7	0.0	10.3
	Littlehampton	cr	orc	58	62	Trace	7	0.0	8.6
	Worthing	or	roc	58	62	-	7	0.0	8.9
	Brighton	r	rc	59	63	-	5	0.0	7.7
	Eastbourne	oor	oro	59	61	-	4	0.0	10.4
	Hastings	ocod	orod	57	61	-	5	0.0	8.4
	Folkestone	oir	oir	55	61	-	4	0.0	6.0
	Dover	cor	orid	57	62	Trace	3	0.0	6.5
	Deal	cor	rr	54	63	-	4	0.1	6.5
	Ramsgate	cr	oro	56	61	1	5	0.3	6.0
	Margate	cd	ord	55	62	-	5	0.3	6.5
2	Southend	or	or	57	62	Trace	4	0.0	4.0
	Maldon	or	ro	56	64	-	3	0.0	5.1
	Clacton-on-Sea	oor	orc	56	61	-	3	0.0	5.0
	Dovercourt	ocroc	ocroc	54	62	Trace	2	0.1	8.7
	Lowestoft	bbcco	oir	53	60	-	4	0.0	8.2
	Skegness	rom	rom	53	63	0.3	2	0.0	6.8
	Mablethorpe	or	or	54	62	1	2	0.0	8.2
	Cleethorpes	cr	oro	55	63	1	1	0.0	8.9
3	Leamington S.	or	cprbc	54	64	4	3	0.0	7.0
4	Cheltenham	ocap	cirbr	54	65	5	1	0.0	4.6
5	Bath	orc	orc	57	66	4	2	0.0	9.7
	Weymouth	crrd	doc	57	63	5	3	0.0	7.6
	Jersey	orc	roc	59	66	-	2	0.1	4.0
	Torquay	odm	odmcp	57	65	5	3	0.0	9.1
	Penzance	roco	o	57	66	9	-	0.0	7.1
	St. Ives	roco	o	56	65	9	0.5	0.1	8.7
	Bude	pcp	pc	56	63	7	1	0.0	8.1
	Ilfracombe	rr	oro	57	65	6	2	0.0	8.6
6	Aberystwyth	orc	cprbc	56	64	6	0.3	0.2	1.0
7	Llandudno	orc	cpbc	56	66	1	0.6	1.8	1.7
	Colwyn Bay	rcbr	cbpc	55	68	2	3	4.5	2.6
	Rhyl	debc	bcpr	55	68	3	0.4	4.2	1.6
8	Wallsay	cp	pbcc	55	68	5	0.5	1.8	1.6
	Southport	doc	cbpc	55	66	7	2	1.0	3.0
	Blackpool	oro	cp	55	64	4	2	0.2	2.3
	Morcambe	cdbe	cbcc	50	64	5	2	0.5	1.9
9	Ilkley	cpr	c	55	66	1	2	0.7	2.7
10	Berwick-on-T.	or	ro	52	61	-	2	0.3	3.9
11	Dunbar	cr	cr	54	62	Trace	3	0.4	6.0
12	Troon	or	oro	55	61	Trace	5	0.0	0.1
	Douglas	or	oid	55	62	3	6	0.1	5.1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th July, 1933.
1. S.E. England	Fresh westerly wind, moderating; cloudy, some showers, brighter intervals, perhaps local thunder; mainly fair later; rather cool.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Fresh west to northwest wind, moderating, backing tomorrow; cloudy, some showers, brighter intervals; some temporary improvement; rather cool.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	Moderate northwest to west wind; cloudy, some showers, brighter intervals; a temporary improvement; rather cool.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A.W. Scotland	
14. Mid-Scotland	Light or moderate northerly wind, backing west; cloudy, some showers, brighter intervals; rather cool.
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Moderate west to northwest wind, backing southwest or south tomorrow and freshening; cloudy, local showers, brighter intervals; perhaps rain spreading east tomorrow; rather cool.
19. S.E. Ireland	
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS: — Clear sky. ☁ Sky less than 1/2 clouded. ☁ Sky 1/2 to 3/4 clouded. ☁ Sky 3/4 to 1 clouded. ☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. K Thunderstorm. ☁ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A depression over the North Sea is moving east, and a small wedge of high pressure will follow in its rear. Another depression is likely to approach from the Atlantic before long. Weather will be showery with bright intervals.

### FURTHER OUTLOOK.

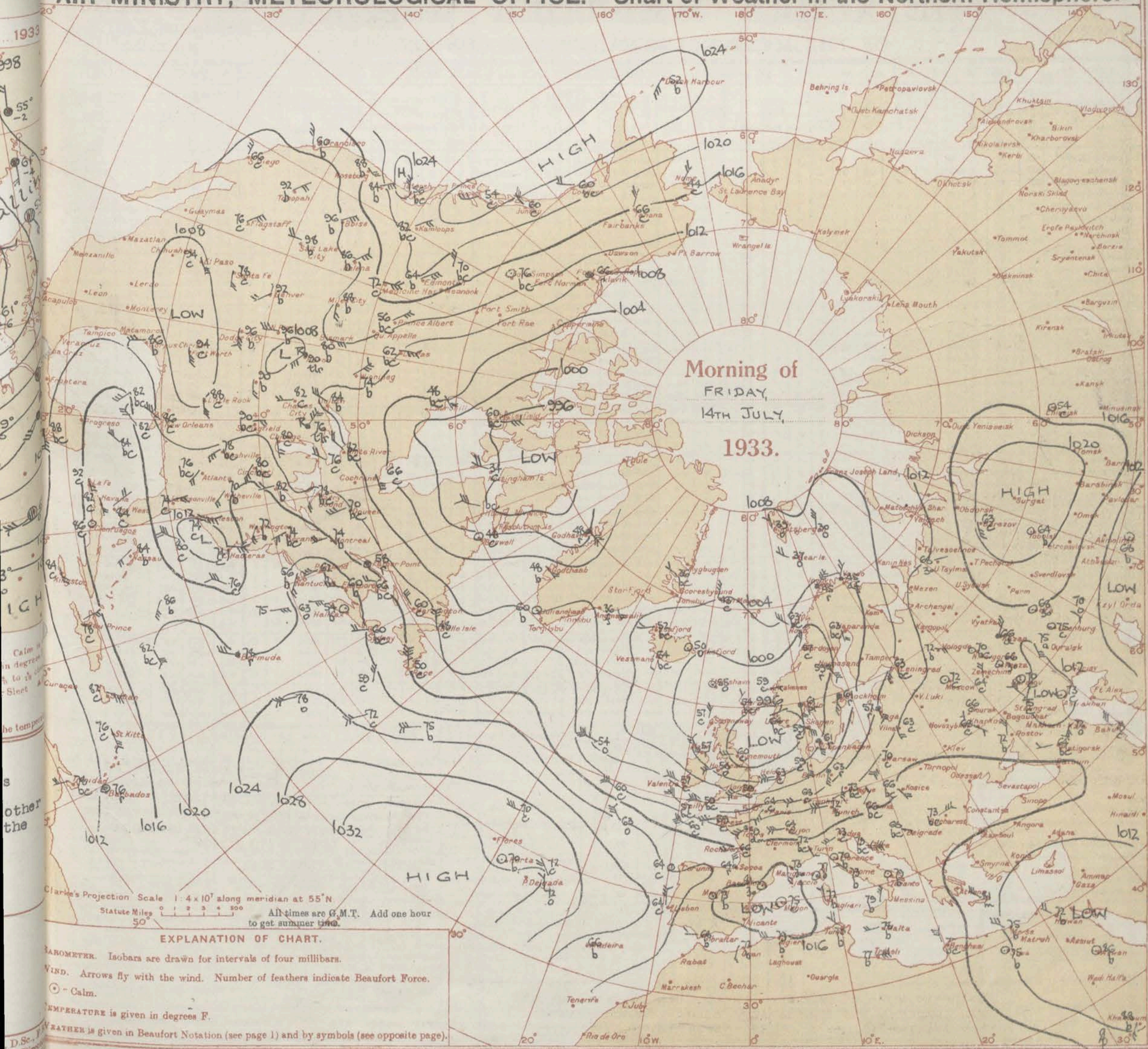
Unsettled.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





LONDON OBSERVATIONS.													EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—18h.													Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine to Sunset hrs.	Humidity.		Atmospheric Pollution.		COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 8, 22.—Code for surface visibility. Objects not visible at 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze 1 1/2 miles. 5 Poor visibility 2 1/2 " 6 Moderate " 6 1/2 " 7 Good " 12 1/2 " 8 Very good " 31 " 9 Excellent " beyond 31m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Morning.			Afternoon.			Night.			Day Max.	Night Min.	Min. on Gauss °F.	Day, mm.		Night, mm.	Yester- day.	To-day.	15h. G.M.T. %	9h. G.M.T. %	Milligrams of Solid Impurity per cubic metre.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
24 hrs. ended 9h.									°F.	°F.	°F.	mm.		mm.	Yesterday.		To-day.		24 hrs. ended 7h. G.M.T. 14 <sup>th</sup> .																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T station      † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 5h.



DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 14 <sup>th</sup> July														OBSERVATIONS at 18h. G.M.T. 14 <sup>th</sup> July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Barom. at m. M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.				Barom. at m. M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Direc.	Force.					Low.	Med.	High.	Low.			Total.	Form.					Amount.	Height of Base (feet).	Low.	Med.			High.	Low.	Total.	Form.	Amount.	Height of Base (feet).	7h.-15h.	15h.-18h.	18h. 1 <sup>st</sup> to 15 <sup>th</sup>	1h.-Th.																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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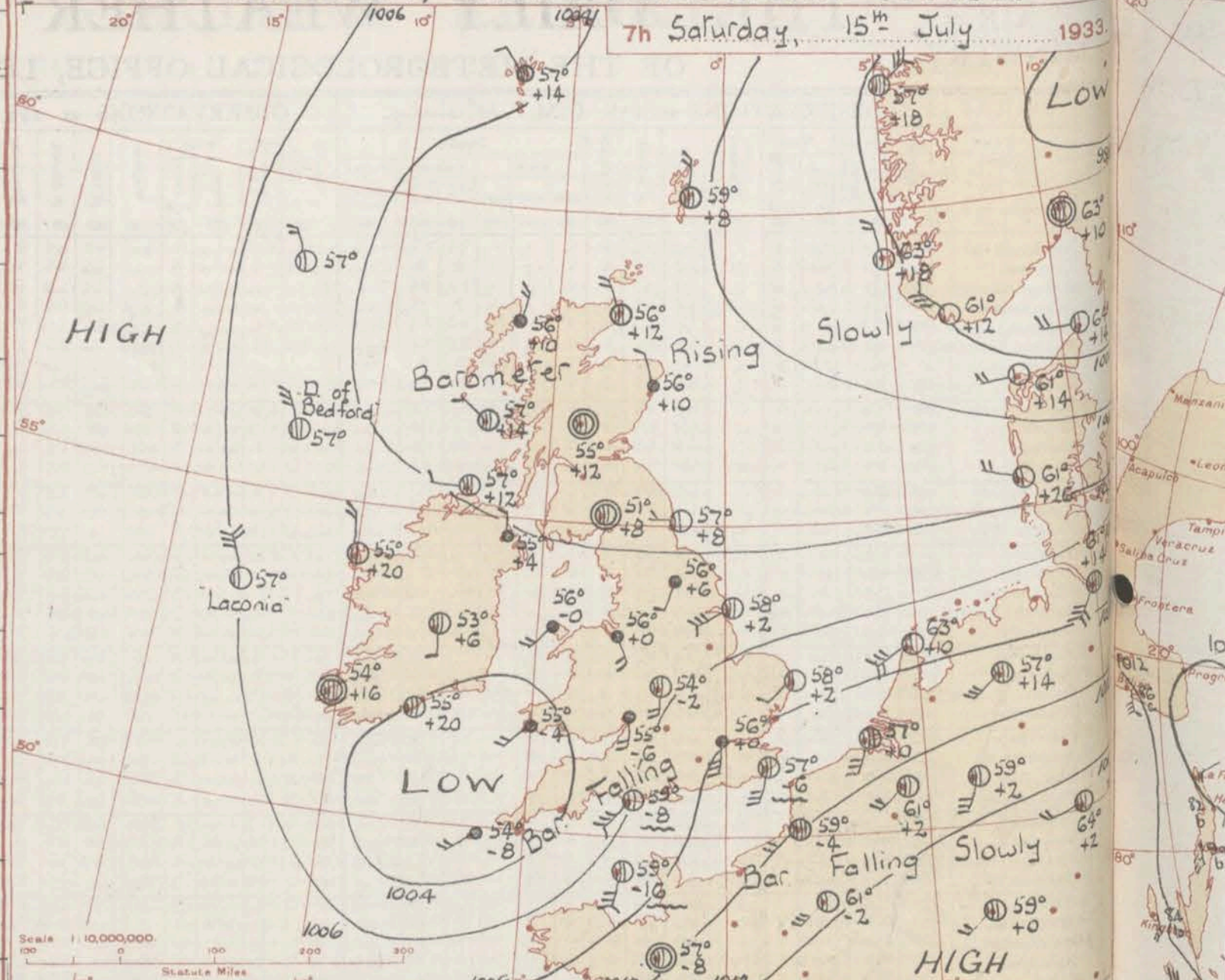


# REPORTS from HEALTH RESORTS for 14<sup>th</sup> July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. to 14h.	Max. 14h. to 17h.	Night. 17h. to 9h. 14h.	Day. 9h. to 17h.	Sunrise to 17h. 14h.	Sunrise to Sunset. 14h.
1 Tunbridge W.	bcbp	bcbp	57	66	1	0.5	5.0	0.0
Bournemouth	bc	bc	57	68	3	-	2.0	0.0
Ventnor	oruo	cb	58	64	1	-	4.3	0.0
Southsea	bcb	cb	59	68	Trace	-	4.0	0.0
Bognor Regis	bcbp	bcbp	59	66	0.3	-	4.2	0.3
Littlehampton	bc	bc	59	65	0.3	-	2.9	0.0
Worthing	cbp	cbp	58	65	Trace	-	3.4	0.0
Brighton	cbp	bc	58	64	1	-	1.7	0.0
Eastbourne	bc	bcb	59	65	0.4	-	7.3	0.0
Hastings	cbp	bcbp	59	67	0.4	-	4.0	0.0
Folkestone	rcb	bc	57	67	1	-	5.8	0.0
Dover	bcbp	bcb	58	65	1	-	5.2	0.0
Deal	bcbp	bcb	58	68	3	Trace	6.4	0.1
Ramsgate	bc	bc	58	69	-	-	5.5	0.3
Margate	bcbp	bc	58	71	0.1	Trace	6.7	0.3
2 Southend	bcb	cbp	57	72	4	-	2.9	0.0
Maldon	cbp	cbp	57	72	Trace	Trace	3.6	0.0
Clacton-on-Sea	c	c	58	73	0.2	-	3.7	0.0
Dovercourt	bcbp	bc	58	72	Trace	-	5.1	0.1
Lowestoft	opre	dobp	57	73	0.3	Trace	5.0	0.0
Skogness	rcb	bcbp	55	71	0.2	-	6.5	0.2
Mablethorpe	c	cbp	54	70	2	-	4.4	0.0
Cleethorpes	rcb	cb	55	71	Trace	-	3.9	0.0
3 Leamington S.	cbp	bcbp	56	69	1	2	5.4	0.1
4 Cheltenham	bcbp	bcb	56	63	1	Trace	3.2	0.0
5 Bath	cbp	bc	58	68	2	Trace	5.9	0.0
Weymouth	cbp	bc	58	68	1	-	5.6	0.0
Jersey	cbp	bcb	60	64	1	-	3.0	0.1
Torquay	dbp	bcbp	58	68	0.2	0.4	6.9	0.0
Penzance	cbp	bc	57	65	1	-	8.1	0.0
St. Ives	b	b	57	64	Trace	-	8.0	0.3
Bude	cbp	bcbp	57	63	0.3	5	0.3	?
Ilfracombe	bcb	bc	58	64	8	-	5.3	0.0
6 Aberystwyth	cbp	cirp	58	61	1	0.3	0.0	0.2
7 Llandudno	cbp	cbp	57	64	1	1	2.0	1.8
Colwyn Bay	bcbp	cbp	56	66	2	2	0.6	3.4
Rhyl	rcb	cirp	56	65	0.6	1	0.9	3.6
8 Wallasey	bcbp	bcb	55	66	1	Trace	2.9	1.8
Southport	cbp	cbp	57	65	1	0.3	1.5	1.3
Blackpool	cb	c	56	63	0.1	0.1	0.3	0.2
Morecambe	cb	bcb	55	64	5	-	3.1	0.6
9 Ilkley	cirp	bcb	55	68	10	Trace	3.6	0.7
10 Berwick-on-T.	c	co	55	62	8	-	2.1	0.3
11 Dunbar	cr	cir	54	65	2	0.5	1.0	0.4
12 Troon	rcb	c	56	64	2	-	2.2	0.0
Douglas	cbp	cirp	54	63	0.3	1	2.6	0.1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th July, 1933.
1. S.E. England	Light or moderate variable wind, finally northwest;
2. E. England.	dull, some rain; bright intervals and local showers tomorrow;
3. E. Midlands	moderate or rather low temperature.
4. W. Midlands	
5. S.W. England	Moderate northerly wind, fresh locally, backing
6. South Wales	towards west later; cloudy and showery at first, becoming
7. North Wales	mainly fair; moderate or rather low temperature.
8. N.W. England	
9. N. Midlands	Light northwest or variable wind; cloudy, bright
10. N.E. England	intervals, showers at most places; perhaps local thunder;
11. S.E. Scotland	moderate temperature.
12. S.W. Scotland & Isle of Man	
13. A.W. Scotland	
14. Mid Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	Light or moderate northwest wind, backing southwest
18. N.E. Ireland	later; fair at first, apart from local showers; perhaps
19. S.E. Ireland	rain tomorrow; moderate temperature.
20. S.W. Ireland	As 7 - 16.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.

TEMPERATURE is given in degrees Fahrenheit.

WEATHER SYMBOLS - ○ Clear sky. ○ Sky less than 1/8 clouded. ○ Sky 1/8 to 1/4 clouded. ○ Sky 1/4 to 1/2 clouded. ○ Overcast sky. ● Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. T Thunderstorm. ☁ Haze.

SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**

A shallow depression off our southwest coasts has moved quickly east-south-east and will probably move up the English Channel, turning somewhat to the left. A wedge of high pressure will follow. There will be rain at first in the South and local thundery showers elsewhere. Some temporary improvement is probable in Great Britain later.

**FURTHER OUTLOOK.**

Unsettled.

Forecasts issued at 0920 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 15 <sup>th</sup> July														OBSERVATIONS at 7 hr. G.M.T. 15 <sup>th</sup> July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																												
	Height above M.S.L. in feet	Barom. at M.S.L.	Change in 3 hours	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.				Height of Base (feet)	Barom. at M.S.L.	Change in 3 hours	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.				Height of Base (feet)	State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine in 24 hrs.																																																																																																																																																																																																																																																																																																																																																																																																																						
				Dir.	Force.					Form.	Amount.	Dir.	Force.				Form.	Amount.					Form.	Amount.	Form.	Amount.				Form.	Amount.	Form.	Amount.	Form.		Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.	Amount.	Form.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Sunday 16<sup>th</sup> JULY 1933.  
No. 26169

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 15 <sup>th</sup> JULY														OBSERVATIONS at 18h. G.M.T. 15 <sup>th</sup> JULY														PAST 24 HOURS.									
		Barom. at m.s.l.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					Barom. at m.s.l.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					State of Ground.	Sea.	WEATHER.									
				Direc.	Force.					Low.	Med.	High.	Low.	Total.			Height of Base (feet).	Direc.					Force.	Low.	Med.	High.	Low.			Total.	Height of Base (feet).	7h.-15h. 15 <sup>th</sup>	15h.-18h. 15 <sup>th</sup>	18h. 15 <sup>th</sup> to 19h. 16 <sup>th</sup>	19h.-7h. 16 <sup>th</sup>				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1 London (Kew)...	1005.0	-1.8	SSW	3	C	67	55	7	8	-	-	7.8	9	4000	1004.2	-2	SSW	3	C	64	65	9	9	-	-	9+	9+	2500	1	*	C	C	CV	CRREL	cm.				
Croydon	1006.2	-1.4	S'E	4	C	65	55	8	7	7	1	7.8	9	1500	1004.6	-4	SW	3	C/pr	61	75	8	9	7	2	4.6	9	800	1	*	C	C	CV	CRREL	cm.				
S. Farnborough	1004.5	-2.4	S	4	C/pr	63	75	8	9	-	-	9	9	1500	1004.2	+2	SW	2	C	60	85	7	9	-	1	9	9+	1500	1	*	C	C	CV	CRREL	cm.				
Winchester	1004.5	-1.0	SE	4	C	67	95	8	8	-	-	7.8	7.8	1500	1004.1	+6	S	1	C	58	95	8	8	-	-	7.8	7.8	2500	1	*	C	C	CV	CRREL	cm.				
Boscombe Down	1003.4	-1.6	SE	3	C	65	65	8	8	-	-	9	9	1500	1003.8	+2	S	1	C	60	75	8	8	3	-	7.8	9	1500	0	*	C	C	CV	CRREL	cm.				
Calshot, S'thmtn	1004.7	-1.4	SE	4	C/pr	62	75	8	8	4	-	7.8	9+	1500	1003.9	-4	SSW	3	C	60	75	8	8	7	-	4.6	9+	1500	0	2	C	C	CV	CRREL	cm.				
Dungeness	1004.7	-1.4	SE	4	C/pr	62	75	8	8	4	-	7.8	9+	1500	1003.9	-4	SSW	3	C	60	75	8	8	7	-	4.6	9+	1500	0	2	C	C	CV	CRREL	cm.				
Lympne	1006.7	-1.2	S'E	3	C	63	75	8	2	7	6	4.6	9	2500	1005.2	-6	SSW	2	C/pr	59	85	8	8	7	8	2.3	9+	1500	0	*	C	C	CV	CRREL	cm.				
2 Shoeburyness	1005.4	-1.4	SE	2	C	66	65	7	8	-	-	9	9	4000	1004.7	-8	SSW	2	C	62	85	8	8	2	-	7.8	9	4000	0	*	C	C	CV	CRREL	cm.				
Felixstowe	1006.2	-1.0	SE	3	C	65	65	8	8	7	-	7.8	9	2500	1004.9	-4	SE	3	C	62	85	8	8	-	-	7.8	7.8	2500	0	3	C	C	CV	CRREL	cm.				
Gorleston	1005.9	-8	S'E	2	C	64	65	7	8	-	-	7.8	7.8	1500	1005.1	-6	SE	2	C	61	75	7	8	3	-	2.3	4.6	1500	0	2	C	C	CV	CRREL	cm.				
Cranwell	1004.6	-6	SSW	1	C	67	65	7	8	7	-	7.8	9	4000	1004.6	0	-	0	C	57	95	7	8	7	-	7.8	9+	2500	1	*	C	C	CV	CRREL	cm.				
3 Birmingham	1004.7	-6	SE	2	C/pr	59	85	8	6	1	-	4.6	9	1500	1004.8	+2	NNE	2	C	57	95	4	6	1	-	4.6	9+	2500	1	*	C	C	CV	CRREL	cm.				
Upper Heyford	1004.5	-12	-	0	C/pr	61	85	8	2	3	2	4.6	7.8	2500	1004.6	0	W	1	C	58	85	8	3	3	3	4.6	7.8	2500	1	*	C	C	CV	CRREL	cm.				
Ross-on-Wye	1003.6	-10	WSW	3	C	65	65	8	9	3	3	7.8	9	4000	1004.8	+1.4	-	0	C	57	95	8	3	7	3	4.6	9	4000	2	*	C	C	CV	CRREL	cm.				
5 Portland Bill	1003.7	-10	SW	3	C/pr	57	85	7	5	-	-	10	10	1500	1004.3	+2	SW	3	C	59	55	8	5	4	-	7.8	7.8	1500	1	3	C	C	CV	CRREL	cm.				
Plymouth	1002.9	0	S	1	C	62	75	8	8	7	6	4.6	7.8	2500	1005.3	+2	NNW	5	C	61	65	8	8	7	8	4.6	7.8	2500	1	1	C	C	CV	CRREL	cm.				
The Lizard	1003.9	+4	W'S	2	C	56	95	8	9	-	-	9+	9+	1500	1007.5	+16	NNW	5	C	60	75	8	8	6	-	4.6	4.6	2500	1	3	C	C	CV	CRREL	cm.				
Seilly (St. Mary's)	1005.4	+18	N'W	4	C	62	85	8	8	7	-	7.8	9	2500	1008.7	+16	NNW	6	C	60	85	8	2	-	3	2.3	4.6	4000	1	3	C	C	CV	CRREL	cm.				
Guernsey	1004.9	-8	W'S	4	C	59	85	7	8	-	-	7.8	7.8	2500	1004.8	0	NW	3	C	58	85	8	8	-	-	4.6	4.6	2500	1	3	C	C	CV	CRREL	cm.				
6 Pembroke	1004.1	0	NW	2	C	61	75	7	7	7	-	4.6	7.8	4000	1006.9	+12	NNW	2	C	57	85	8	8	6	4	2.3	4.6	2500	0	1	C	C	CV	CRREL	cm.				
Holyhead	1005.7	+4	N'W	3	C	58	85	7	3	-	8	7.8	9+	1500	1007.4	+12	N'W	3	C/pr	68	85	8	2	3	3	1	9	2500	1	2	C	C	CV	CRREL	cm.				
Chester (Sealand)	1004.2	-4	SWW	1	C	63	65	7	8	3	-	7.8	9+	1500	1005.8	+6	NW	3	C	60	75	7	8	3	1	4.6	7.8	2500	1	*	C	C	CV	CRREL	cm.				
L'pool (Bidston)	1004.7	0	N	2	C	59	75	8	9	2	6	7.8	9+	1500	1005.8	+6	NW	3	C	61	65	9	2	3	1	1	2.3	2500	1	*	C	C	CV	CRREL	cm.				
9 Harrogate	1005.0	0	-	0	C	55	95	6	6	2	-	9	10	2500	1005.0	0	-	0	C	60	85	7	6	3	-	4.6	10	5700	1	*	C	C	CV	CRREL	cm.				
Spurn Head	1004.7	0	-	0	C	65	75	7	3	7	8	4.6	7.8	4000	1004.7	0	WSW	3	C	58	95	7	6	2	-	4.6	3	4000	1	1	C	C	CV	CRREL	cm.				
Catterick	1004.3	+2	-	0	C	62	75	8	3	2	-	4.6	10	2500	1004.6	0	-	0	C	58	65	8	8	6	9	2.3	4.6	4000	1	*	C	C	CV	CRREL	cm.				
Tynemouth	1003.6	0	W	2	C	60	85	6	9	-	-	7.8	7.8	1500	1004.0	+4	SE	1	C	58	85	7	4	-	-	7.8	7.8	4000	1	1	C	C	CV	CRREL	cm.				
11 Incheith	1003.6	0	SW	2	C	64	95	8	8	7	1	4.6	9	2500	1005.4	+6	NE	1	C	60	95	7	8	7	2	4.6	9+	2500	0	1	C	C	CV	CRREL	cm.				
Leuchars	1004.1	+6	E	3	C	65	75	7	9	3	3	4.6	7.8	2500	1005.8	+10	ENE	3	C	61	85	8	8	-	3	7.8	9+	7200	1	*	C	C	CV	CRREL	cm.				
Renfrew (Abbotts)	1003.8	+2	W'S	2	C	65	65	9	2	-	8	9	9+	4000	1005.2	+10	NNW	2	C	61	75	9	8	7	1	4.6	9+	4000	1	*	C	C	CV	CRREL	cm.				
Exdalemuir	1003.4	+2	SW	2	C	64	55	8	2	-	8	7.8	9	2500	1004.6	+10	W	3	C	61	75	8	3	7	3	4.6	9+	2500	1	*	C	C	CV	CRREL	cm.				
13a Tiree	1005.7	+10	NW	2	C	59	85	8	7	4	-	4.6	7.8	2500	1007.7	+12	NNW	4	C	59	85	8	7	4	3	2.3	2.3	4000	0	2	C	C	CV	CRREL	cm.				
13b Stornoway	1005.7	+10	N	2	C	58	95	8	8	6	-	4.6	9+	1500	1007.7	+12	N	2	C	59	75	8	8	6	-	4.6	7.8	1500	1	1	C	C	CV	CRREL	cm.				
15 Dalwhinnie	1004.6	+6	-	0	C	55	95	8	4	4	-	4.6	7.8	2500	1007.4	+20	NE	2	C	54	85	7	4	2	-	4.6	10	2500	1	*	C	C	CV	CRREL	cm.				
Aberdeen	1004.6	+6	NE	2	C	60	85	7	8	7	-	7.8	9	1500	1006.1	+10	NE	2	C	59	95	8	8	7	-	7.8	9	1500	1	1	C	C	CV	CRREL	cm.				
Wick	1005.0	+10	E	2	C	58	85	8	8	4	-	4.6	7.8	2500	1007.2	+12	ENE	2	C	57	95	8	8	1	-	4.6	7.8	1500	0	2	C	C	CV	CRREL	cm.				
Lerwick	1004.2	+4	NNE	1	C	59	95	8	8	3	-	7.8	9	1500	1005.6	+14	NW	1	C	57	95	6	8	2	-	7.8	9+	800	2	*	C	C	CV	CRREL	cm.				
17 Blackod Point	1008.7	+20	N	5	C	63	75	9	3	-	-	4.6	4.6	800	1011.6	+22	N																						



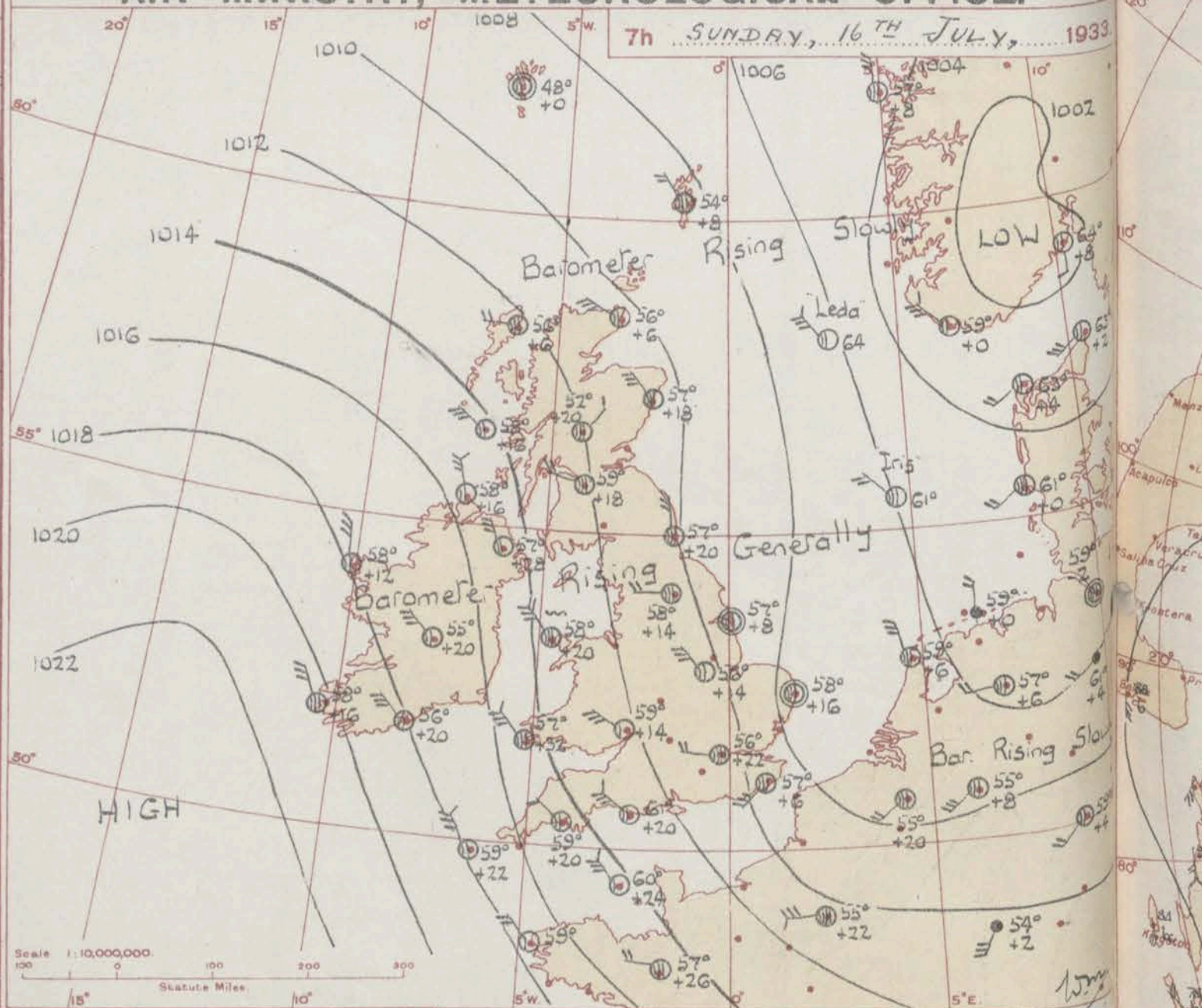
# REPORTS from HEALTH RESORTS for 15th JULY 1933.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th SUNDAY, 16th JULY, 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 9h. to 15h.	Max. 15h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 17h.
1. Tunbridge W.	coc	orobc	53	65	1	1	0.9	5.0
Bournemouth	or	cro	55	63	0.5	2	3.5	4.0
Ventnor	opc	corc	57	65	1	2	0.6	4.8
Southsea	cp	c	58	65	1	2	0.8	5.2
Bognor Regis	c	bcrc	58	64	0.3	0.3	0.6	4.2
Littlehampton	cbe	bob	57	62	2	-	0.5	4.0
Worthing	c	pcbc	57	62	Trace	Trace	1.0	4.6
Brighton	cbe	cbr	59	64	0.2	1	1.1	2.1
Eastbourne	co	oro	58	64	0.4	2	0.7	7.5
Hastings	cbe	corc	55	65	0.3	0.6	1.3	4.0
Folkestone	corc	bcrc	54	67	0.4	0.3	3.1	5.8
Dover	cbe	bcrc	56	66	1	Trace	3.0	5.4
Deal	cbe	co	54	67	-	-	2.0	6.4
Ramsgate	cbe	cbe	54	65	Trace	Trace	2.7	5.5
Margate	cd	bc	54	67	Trace	Trace	2.5	6.7
2. Southend	orc	c	56	69	1	0.3	1.7	3.8
Maldon	odc	bcc	52	70	Trace	Trace	1.7	4.6
Clacton-on-Sea	c	cbe	56	66	-	-	3.4	3.9
Dovercourt	bcc	bc	53	69	-	-	3.3	5.2
Lowestoft	dcbc	prbc	51	66	Trace	Trace	5.4	6.3
Skegness	omc	bcrc	53	68	Trace	Trace	3.9	6.5
Mablethorpe	c	cotlp	55	67	-	6	2.4	5.0
Cleethorpe	c	bcrc	56	67	-	4	1.6	5.0
3. Leamington S.	bcc	prtl	52	67	Trace	3	2.0	5.7
4. Cheltenham	cbe	cbe	53	67	2	15	0.8	3.2
5. Bath	orr	crc	56	64	1	28	1.4	8.6
Weymouth	c	rcbc	57	68	-	Trace	1.7	6.4
Jersey	rcbc	rcbc	58	62	1	11	2.3	11.2
Torquay	RrcRr	epcp	56	63	11	7	1.3	8.0
Penzance	r	rcbc	55	62	15	1	3.0	8.4
St. Ives	r	rcbc	53	60	7	6	2.7	8.3
Bude	bccp	cpbc	54	62	3	2	1.3	6.2
Ilfracombe	bcp	cbe	55	64	6	5	3.2	5.8
6. Aberystwyth	crc	cbbc	54	61	6	-	6.0	0.4
7. Llandudno	crc	rcbc	55	62	0.5	1	2.0	2.3
Colwyn Bay	rcrc	rcbc	54	62	6	2	1.9	1.1
Rhyl	rc	cbe	54	63	2	-	1.6	1.0
8. Wallasey	orc	cbcb	55	62	1	0.5	1.9	2.1
Southport	rr	rcbc	54	65	7	2	3.5	1.5
Blackpool	or	oc	56	63	9	3	1.2	0.3
Morecambe	cdc	cbcb	55	62	26	0.3	0.2	3.6
9. Ilkley	c	cpbc	53	63	-	1	0.1	3.6
10. Berwick-on-T.	cbe	co	50	63	Trace	-	-	2.1
11. Dunbar	rbc	bc	51	64	Trace	-	7.0	1.0
12. Troon	cbe	bcc	55	65	-	-	5.3	3.3
Douglas	oirc	coircb	53	63	8	1	1.8	2.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. - 9h. | Min. Temp. 17h. - 9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th, July, 1933.
1. S.E. England	Wind north or northwest, light or moderate, backing; local showers and bright intervals at first, mainly fair later; moderate or rather low temperature.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind north, moderate, backing; mainly fair at first, some rain later; moderate temperature.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	As 1 - 4.
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 5 - 8.
13. { A.W. Scotland B.N.W. Scotland	
14. Mid-Scotland	
15. N.E. Scotland	Wind northerly, light or moderate; local showers, bright intervals; moderate or rather low temperature.
16. Orkneys and Shetlands.	
17. N.W. Ireland	
18. N.E. Ireland	As 5 - 8.
19. S.E. Ireland	
20. S.W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars.  
**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.  
**WEATHER SYMBOLS.** ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☁ Sky 1/2 to 1 clouded. ☁ Sky 1 to 1 1/2 clouded. ☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. K Thunderstorm. ☁ Haze.  
**SEA DISTURBANCE.** ~~~~~ Rough. ~~~~~ High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A narrow wedge of high pressure west of Ireland is moving eastwards, followed by another disturbance on the Atlantic. There will be local showers and bright intervals in the East, followed by a temporary fair period. In the West it will be mainly fair at first, with rain later.

### FURTHER OUTLOOK.

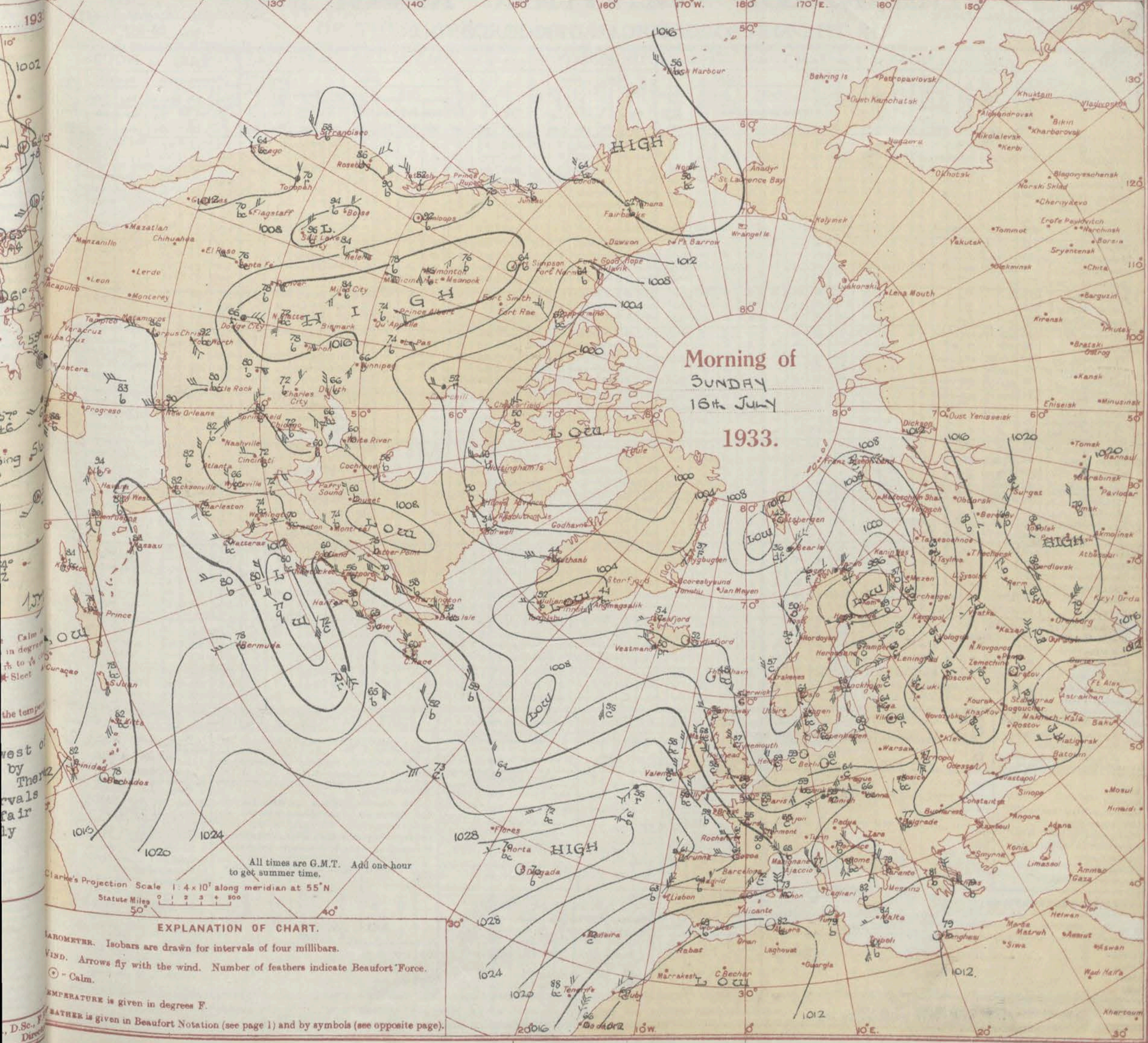
Unsettled.

Forecasts issued at 1100 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





DISEASES.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 16 <sup>th</sup> JULY														OBSERVATIONS at 7 hr. G.M.T. 16 <sup>th</sup> JULY														PAST 24 HOURS.							
		Height above M.S.L. in feet.	Barom. at M.S.L. in in.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Barom. at M.S.L. in in.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SURF 15 ft.					
					Direc.	Force.					Low.	Med.	High.			Low.	Total.					Height of Base (feet).	Low.	Med.			High.	Low.	Total.	Height of Base (feet).	Max. Day 7h-12h °F.		Min. Night 12h-7h °F.	Min. on Grass °F.	Day 7h-12h mm.	Night 12h-7h mm.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	1011.3	+30	WNW	2	C	58	85	6	5	-	-	10	10	1500	1	*	69	55	51	-	13	1.8		
	Croydon ...	217	1006.6	+12	WNW	2	30	56	95	6	-	-	1010.7	+22	WNW	2	C	56	95	5	5	-	-	10	10	450	1	*	66	53	50	-	3	2.3			
	S. Farborough ...	237	*	*	*	*	*	*	*	*	*	*	*	1011.5	+22	WNW	2	C	56	95	7	5	-	-	10	10	1500	1	*	65	52	45	-	2	2.1		
	Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	1011.8	+22	WNW	4	bc	56	85	8	-	3	-	0	2-3	-	1	*	64	52	49	5	-	2.1		
	Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	1012.1	+24	NW	3	b	57	75	8	-	-	1	0	1	-	0	*	66	53	51	0.2	Tr	2.0		
	Calshot (S'thmtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	1011.6	+22	WNW	4	bc	58	75	8	-	4	-	0	2-3	-	0	2	63	54	52	3	-	2.1		
	Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	NW	2	bc	*	*	6	4	7	*	2-3	4-6	1500	*	0	68	52	*	0.3	1	*			
	Lympne ...	348	1005.9	+2	WNW	2	16	54	95	6	6	-	1005.6	+16	SW	3	C	57	95	6	5	3	-	7-8	7-8	450	1	*	63	53	52	0.1	2	1.7			
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1005.4	+30	NNW	2	C	57	95	6	5	7	-	4-6	9	5700	1	*	69	52	49	0.2	16	1.5		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	1005.8	+20	NNW	3	C	58	95	7	5	-	-	9+	9+	7200	1	1	67	52	50	Tr	10	3.8		
	Gorleston ...	5	1006.0	+6	-	0	bc	56	95	7	4	-	1007.7	+16	-	0	C	58	95	6	8	3	-	4-6	7-8	2500	0	1	65	50	47	Tr	0	3.8			
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	1010.5	+14	NW	3	30	56	95	6	-	3	1	0	2-3	-	1	*	67	52	51	5	0.3	2.0		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1011.4	+14	WNW	3	C	56	85	7	6	3	-	4-6	7-8	1500	1	*	62	54	50	2	0.2	0.4		
	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	1011.8	+22	WNW	2	C	57	85	8	5	2	-	9	9+	2500	1	*	63	51	48	9	0.1	4.6		
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1012.2	+14	WNW	3	b	59	75	8	-	-	1	1	4000	1	*	68	52	47	18	-	4.6			
5	Portland Bill ...	32	1008.2	+16	NNW	4	C	59	85	8	5	-	7.8	7.8	2500	1013.4	+20	WNW	4	bc	61	85	8	2	-	4-6	4-6	2500	0	3	61	57	*	1	1	5.1	
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	1014.8	+20	WNW	1	bc	59	85	8	8	-	-	4-6	4-6	1500	1	1	63	54	43	4	-	5.1		
	The Lizard ...	240	1012.5	+20	NW	3	b	56	95	8	7	-	Tr	Tr	4000	1015.8	+12	WNW	3	bc	59	85	8	-	2-3	2-3	2500	0	2	62	56	*	7	-	7.1		
	Scilly (St. Mary's) ...	183	1014.2	+20	NNW	5	b	58	85	8	-	-	0	0	-	1018.0	+22	NNW	4	bc	59	85	7	2	-	4-6	4-6	4000	1	3	63	58	*	2	-	7.1	
	Guernsey ...	175	1010.5	+22	NW	5	bc	57	85	8	8	-	4.6	4.6	2500	1015.0	+24	NW	4	b	60	85	8	-	0	1	-	0	3	64	56	53	1	Tr	5.1		
6	Pembroke ...	142	1011.5	+16	NNW	2	C	58	75	7	8	2	4.6	7.8	2500	1014.2	+32	NW	4	q	57	85	7	8	-	7-8	7-8	2500	0	2	62	54	*	0.4	-	7.1	
7	Holyhead ...	26	1010.3	+12	NNW	4	C	58	85	8	5	-	9+	9+	4000	1013.7	+20	NW	5	C	58	85	8	5	-	9+	9+	800	1	4	60	57	53	1	-	1.8	
	Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	1012.2	+20	W'N	4	0	58	95	6	5	-	-	10	10	800	1	*	67	54	50	3	-	2.3		
8	L'pool (Bidston) ...	198	*	*	*	*	*	*	*	*	*	*	*	1012.2	+10	WNW	3	q/p	58	95	8	6	-	-	10	10	800	0	*	61	56	51	1	-	2.3		
9	Harrgate ...	478	*	*	*	*	*	*	*	*	*	*	*	1010.8	+14	W	2	C	58	85	7	5	3	8	7-8	9	4000	1	*	61	53	48	11	-	0.0		
10	Spurn Head ...	29	1006.1	+2	N	4	bc	58	95	7	-	7	0	4.6	-	1009.2	+8	N	4	C	57	95	7	-	7	4	-	0	3	68	54	*	0.3	1	2.3		
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	1010.8	+18	NW	3	C	59	85	7	7	-	-	7-8	7-8	1500	1	*	65	52	50	3	4	2.0		
	Tynemouth ...	100	1006.4	+6	NW	2	bc	55	95	7	5	-	2.3	2.3	1500	1009.9	+20	N	3	c/pr	57	95	7	9	-	7-8	7-8	1500	1	7	64	54	52	-	2	*	
11	Inchkeith ...	190	1003.0	+16	NNE	3	ir	56	95	8	6	2	-	7.8	10	2500	1012.2	+18	SSW	1	Cp	56	95	8	5	-	9+	9+	1500	1	1	65	55	51	-	9	5.1
	Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	1012.3	+20	WNW	2	c/r	58	85	8	5	2	-	9+	9+	4000	1	*	65	52	47	Tr	4	-	5.1	
12	Renfrew (Abbotts) ...	18	*	*	*	*	*	*	*	*	*	*	*	1012.2	+18	WN	2	C	59	85	8	8	7	-	7-8	9	4000	1	*	68	55	52	Tr	-	2.8		
	Esksdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	1011.7	+24	ENE	2	C	57	85	8	5	-	-	9	9	5700	1	4	66	50	46	-	4	4.3		
13	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	1014.3	+16	NNW	3	bc	58	85	8	7	6	-	4-6	4-6	4000	0	2	61	55	51	1	-	7.6		
13	Stornoway ...	34	*	*	*	*	*	*	*	*	*	*	*	+6	W	2	C	56	85	9	8	7	-	4-6	3	1500	1	1	62	48	*	3	-	1.8			
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	1012.8	+20	NE	1	C	52	95	8	4	4	-	4-6	10	2500	1	*	61	50	48	24	2	0.3		
	Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	1011.2	+18	NW	3	C	57	85	8	8	3	-	7-8	7-8	1500	1	7	62	53	45	7	1	0.7		
	Wick ...	81	1009.0	+6	NW	2	C	54	95	8	8	7	-	4.6	7.8	1500	1010.6	+6	WNW	3	bc	56	95	8	5	7	1	2-3	4-6	2500	0	2	58	50	-	-	5.9
16	Lerwick ...	54	1007.2	+8	NW	2	C	53	95	8	5	-	9+	9+	1500	1008.2	+8	NW	2	C	54	95	8	5	2	-	7-8	9+	1500	1	*	64	51	*	20	6	
17	Blackad Point ...	18	1015.8	+10	-	0	bc	55	85	8	2	-	4.6	4.6	1500	1017.8	+12	N	3	bc	58	85	8	2	-	4-6	4-6	800	0	2	63	52	*	1	Tr	10.1	
18	Malin Head ...	52	1012.5	+12	N	4	bc	57	75	8	4	-	4.6	4.6	1500	1019.2	+16	NW	4	bc	58	75	8	2	-	4	4-6	4-6	1500	0	2	61	56	*	-	6.3	
	Aldergrove ...	298	*	*	*	*	*	*	*	*	*	*	*	1016.3	+28	NNW	3	bc	57	85	9	2	-	-	2-3	2-3	2500	1	*	66	53	48	0.2	-	*		
	Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	1015.1	+24	NNE	2	bc	57	85	8	5	3	-	4-6	4-6	2500	0	1	63	52	*	-	-	*		
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	1018.0	+20	NW	3	bc	55	95	8	5	4	-	1	2-3	1500	1	*	64	49	42	4	1	4.0		
20	Valentia Obay.†	30	1018.0	+2	NNW	3	b	57	85	8	-	-	0	0	-	1020.4	+16	NNW	3	C	58	85	8	7	-	2	2-3	7-8	1500	1	2	62	54	48	2	0.1	10.1
	Roches Point...	22	*	*	*	*	*	*	*	*	*	*	*	1018.1	+20	NW	3	bc	56	85	8	3	-	9	2-3	4-6	2500	0	2	66	54	*	1	0.1	*		

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.													
Day 7h—12h, Kew & Croydon. 9h—12h, Kensington. 9h—12h, other stations except Greenwich & Hampstead rainfall, 9h—12h.														Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.													
24 hrs. ended 9h.														24 hrs. ended 7h. G.M.T. 16th													
SOUTH KENSINGTON.														COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.													
COLUMNS 4, 18. The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.														COLUMNS 3, 22.—Code for surface visibility. Objects not visible at													
KEW OBSERVATORY.														COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.													
Past 24 Hours.														COLUMNS 30.—Code for State of Sea.													
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TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d.  
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METEOROLOGICAL OFFICE, AIR MINISTRY, ADAM STREET, LONDON, W.C.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

1 hr. observations are from Valentia W/T station      † Maximum and Minimum Temperatures and Rainfall are for the 24 hrs. ending 9h.



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 17<sup>th</sup> July 1933.

No. 26170

URS.

Night  
18h-7h  
m.m.

(35)

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OBSERVATIONS at 13h. G.M.T. 16<sup>th</sup> JulyOBSERVATIONS at 18h. G.M.T. 16<sup>th</sup> July

## PAST 24 HOURS.

STATIONS.	Barom. M.S.L.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						Barom. M.S.L.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						State of Ground.	Sea.	WEATHER.												
								Form.			Amount.		Height of Base (feet)								Form.			Amount.		Height of Base (feet)			7h.-15h. 16h	15h.-18h. 16h	18h.16h. 17h	15h.-18h. 17h									
								Low.	Med.	High.	Low.	Total									Low.	Med.	High.	Low.	Total																
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	
1 London (Kew)...	1015.2	+24	NW	2	16	59	95	7	8	-	-	9	9	1500	1017.0	+20	N	1	bc	1	63	85	7	9	8	-	4.6	4.6	1500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	
Croydon	1015.1	+22	NW	3	16	59	85	6	9	7	-	9	9	1500	1016.4	+10	-	0	c	61	75	7	9	7	-	7.8	9	1500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
S. Farnborough	1014.6	+14	WN	3	bc	69	55	8	2	-	-	4.6	4.6	2500	1017.1	+16	WNW	2	c	67	65	8	3	3	-	4.6	7.8	2500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Winchester	1014.9	+14	WNW	3	c	68	65	8	8	-	-	7.8	7.8	2500	1017.4	+12	WNW	3	bc	63	85	8	8	-	-	4.6	4.6	2500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Boacombe Down	1015.1	+14	WNW	4	c	66	65	8	8	-	-	9	9	2500	1017.0	+10	WNW	4	bc	65	65	8	8	-	-	2.3	2.3	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Calshot, S'thmtn	1015.0	+14	WNW	3	c	69	45	8	8	-	-	7.8	7.8	2500	1017.3	+10	WNW	4	bc	67	65	8	8	-	-	2.3	2.3	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Dungeness	*	*	SW	2	c/pr	*	*	6	9	-	-	9	9	1500	*	*	NE	3	c	*	*	7	3	-	-	9	9	1500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Lympe	1013.9	+18	N	2	c/pr	62	75	6	3	-	1	7.8	9	2500	1017.2	+18	N	1	c	57	95	6	9	7	3	-	9	10	2500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	
2 Shoeburyness	1013.1	+20	WN	2	c	68	65	6	8	-	-	7.8	7.8	4000	1016.3	+20	WNW	2	c/pr	61	95	6	8	7	-	4.6	7.8	4000	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Felixstowe	1012.8	+20	NW	3	pr	67	65	7	8	3	-	7.8	9	2500	1015.6	+10	W	2	bc	63	85	8	8	3	-	4.6	4.6	4000	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Gorleston	1012.2	+20	WNW	4	bc	67	65	7	7	4	-	2.3	4.6	2500	1015.0	+14	WNW	2	bc	66	75	7	1	4	-	2.3	4.6	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Cranwell	1013.9	+20	NW	4	pr	63	75	7	3	-	-	7.8	7.8	2500	1016.4	+18	SW	2	c/pr	64	85	7	9	-	-	7.8	7.8	2500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
3 Birmingham	1014.8	+14	WNW	4	c	64	75	7	9	3	-	7.8	9	2500	1017.1	+16	NW	4	c	64	65	8	9	3	-	4.6	7.8	2500	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Upper Heyford	1015.0	+14	NW	3	c	66	65	8	2	7	-	2.3	7.8	2500	1017.5	+20	N	3	c	63	75	7	3	2	-	4.6	9	4000	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
Ross-on-Wye	1015.7	+16	WN	3	pr	63	85	8	2	-	-	7.8	7.8	4000	1017.8	+10	WNW	4	b	66	65	8	8	-	-	1	1	4000	1	1	cm.	pr	bc	bc	bc	bc	bc	bc	bc	bc	
5 Portland Bill...	1016.6	+16	WNW	4	bc	64	75	8	4	-	-	4.6	4.6	2500	1018.7	+16	WNW	4	bc	65	75	8	4	-	-	2.3	2.3	2500	0	3	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Plymouth	1019.1	+22	WNW	4	c	63	65	9	2	-	-	7.8	7.8	2500	1020.6	+10	WNW	4	bc	64	55	9	1	-	-	4	2.3	4.6	4000	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	
The Lizard	1021.1	+16	WNW	3	bc	63	75	8	2	6	1	2.3	4.6	4000	1022.3	+4	WN	3	bc	61	75	8	7	4	-	4	4.6	4.6	4000	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Scilly (St. Mary's)	1022.2	+20	WNW	4	bc	64	75	8	2	-	6	1	4.6	4000	1022.8	0	WNW	3	c	62	75	8	2	-	-	6	2.3	7.8	4000	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Guernsey	1018.8	+18	WNW	4	bc	65	75	8	1	-	-	2.3	2.3	2500	1020.4	+8	WNW	5	bc	63	75	8	-	3	-	0	2.3	-	0	4	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
6 Pembroke	1019.2	+18	W	3	bc	62	75	8	7	4	4	1	2.3	5700	1019.9	+6	WNW	3	bc	60	85	8	5	7	-	2.3	4.6	4000	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Holyhead	1017.7	+18	NW	3	b	62	75	8	4	-	-	1	1	4000	1018.7	+6	WSW	4	c	62	75	9	5	-	-	7.8	7.8	5700	1	2	bc	bc	bc	bc	bc	bc	bc	bc	bc		
Chester (Sealand)	1016.2	+20	WNW	5	c	62	85	7	7	-	-	7.8	7.8	1500	1018.4	+12	WNW	4	b	64	45	9	2	-	-	4	Tr	1	4000	0	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	
L'pool (Bidston)	1016.1	+14	WNW	4	bc	62	85	8	2	-	-	4.6	4.6	4000	1018.5	+10	W	4	b	63	65	9	1	-	-	1	Tr	Tr	4000	0	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	
9 Harrogate	1014.2	+14	NE	3	bc/pr	64	75	7	3	8	-	2.3	2.3	2500	1016.3	+14	SSW	1	pr	59	85	6	9	2	-	7.8	9	2500	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
10 Spurn Head	1012.8	+16	N'E	6	c	65	85	8	3	6	8	2.3	7.8	4000	1015.7	+6	ESE	4	pr	64	75	7	-	4	-	9	0	4.6	-	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Catterick	1014.2	+14	NNE	2	pr	64	65	7	9	6	-	9	9	1500	1016.3	+10	SW	2	pr	61	85	8	9	-	-	9	9	1500	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Tynemouth	1015.0	+16	N	3	bc	59	85	8	2	-	-	4.6	4.6	2500	1015.2	0	NE	1	c/pr	59	85	7	9	-	-	9	9	1500	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
11 Inchkeith	1013.8	+2	WNW	2	pr	56	95	8	8	-	-	9	9	1500	1014.1	-2	W	4	c	64	95	8	7	6	-	4.6	7.8	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Leuchars	1013.8	+2	SSW	2	c	65	65	9	8	-	-	7.8	7.8	2500	1014.4	+2	NW	3	c	66	55	9	8	-	-	7.8	7.8	2500	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Renfrew (Abbott)	1014.1	+8	WN	4	bc	67	55	9	7	-	-	4.6	4.6	4000	1015.9	+10	WN	4	c	63	65	9	2	-	-	6	1	7.8	4000	0	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Esksdalemuir	1014.0	+18	NE	2	c/pr	62	75	8	3	-	3	7.8	7.8	2500	1015.4	+14	WN	4	bc	63	55	9	1	-	-	4	Tr	2.3	4000	1	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc
13a Tisee	1016.2	+8	W	3	bc	62	85	8	1	4	8	2.3	2.3	4000	1017.0	+2	WN	3	bc	58	75	8	7	6	-	4.6	4.6	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
13b Stornoway	1011.8	+2	W	3	c	62	65	9	8	6	-	4.6	9	1500	1012.6	+8	W	4	c	59	75	9	8	7	-	4.6	9	1500	1	1	c	bc	bc	bc	bc	bc	bc	bc	bc	bc	
15 Dalwhinnie	1015.5	+4	NW	1	c	59	55	8	4	1	-	4.6	10	2500	1015.2	+4	NW	2	c	56	65	8	4	2	-	4.6	10	2500	0	1	c	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Aberdeen	1013.2	+8	NW	4	c	63	55	8	8	-	-	9	9	2500	1014.1	+8	WNW	2	c	62	65	8	8	3	-	4.6	10	2500	0	1	c	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Wick	1012.3	+10	WNW	3	c	60	95	8	8	4	-	4.6	7.8	2500	1013.7	+4	WNW	3	c	60	75	8	8	1	-	7.8	9	2500	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Lerwick	1009.3	+6	NW	3	c	59	95	8	8	7	-	4.6	9	1500	1010.9	+4	NW	3	c	55	95	9	5	-	-	9	9	1500	0	1	c	bc	bc	bc	bc	bc	bc	bc	bc	bc	
17 Blackod Point	1019.6	+12	WNW	3	bc	61	75	9	2	5	-	2.3	4.6	800	1019.3	0	W	3	bc	60	75	9	3	-	-	4.6	4.6	800	0	2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
18 Malin Head	1017.2	+12	W	4	bc	62	75	9	2	-	-	2.3	2.3	2500	1018.0	+4	W	3	bc	61	75	9	3	-	-	4.6	4.6	2500	0	1	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	
Aldergrove	1017.4	+14	WNW	3	c	64	65	9	1	3	-	4.6	7.8	2500	1018.3	+6	WNW	4	bc	62	65																				



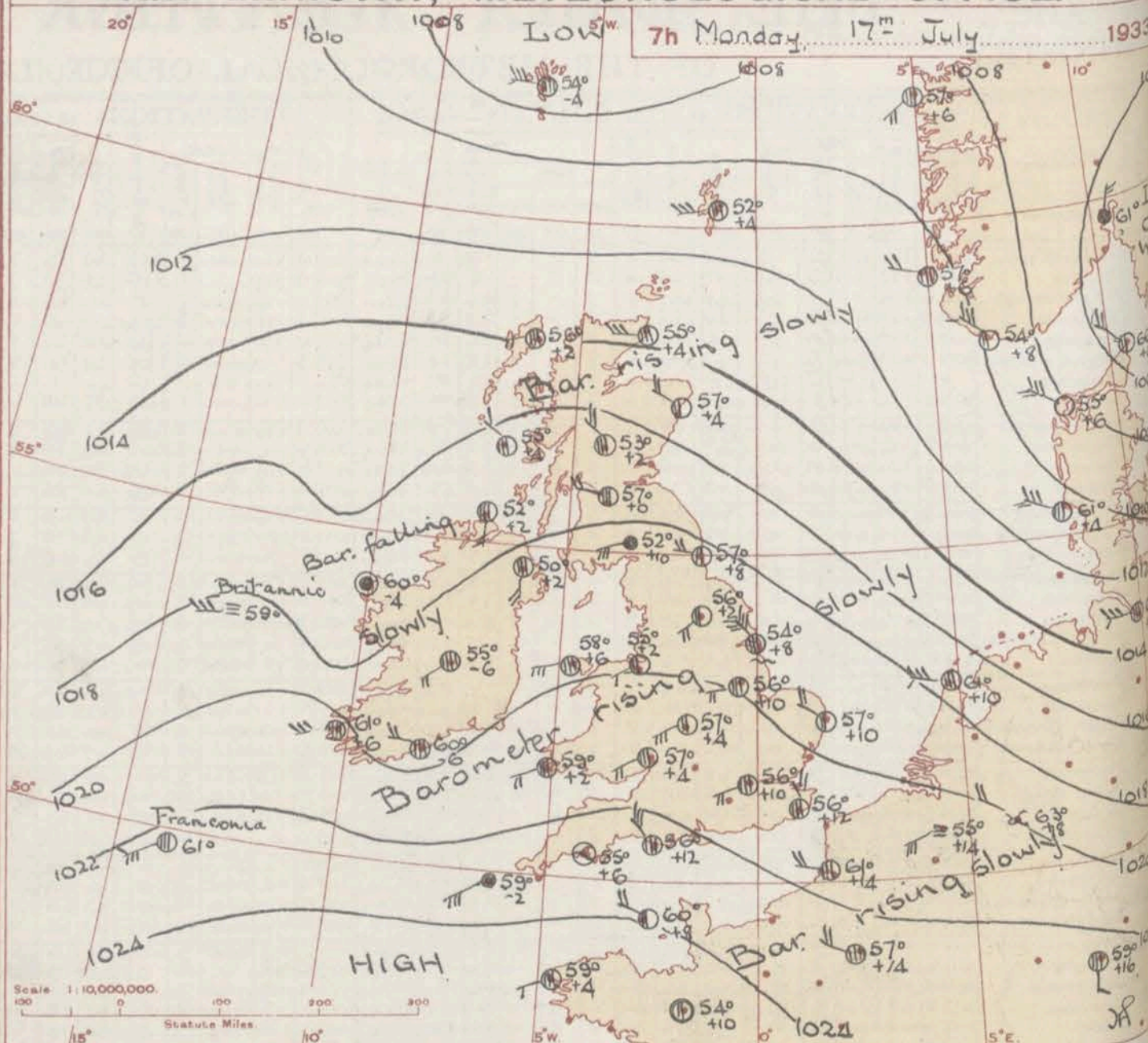
# REPORTS from HEALTH RESORTS for 16th JULY 1933.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

AIR

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Min. 9h. to 16h.	Max. 9h. to 16h.	Night 17h. to 9h. 16h.	Day 9h. to 17h. 16h.	Sunrise to 17h. 16h.	Sunset to 15h. 16h.
1	Tunbridge W.	bc	clroc	53	68	5	2	6.4	1.4
	Bournemouth	bc	c	54	71	-	-	7.0	2.4
	Ventnor	bcb	bbc	55	70	-	-	9.1	1.1
	Southsea	bcb	cb	55	72	-	-	7.0	0.8
	Bognor Regis	bcb	bcb	56	71	0.3	2	5.7	0.6
	Littlehampton	bc	bcb	56	72	1	4	3.9	0.5
	Worthing	cp	pc	55	69	1	3	3.3	1.0
	Brighton	cbc	bcb	55	71	2	2	3.1	1.1
	Eastbourne	bc	cb	55	67	2	5	3.5	0.7
	Hastings	cbcc	cb	54	70	4	12	5.3	1.3
	Folkestone	bcb	bcb	55	69	1	9	3.3	3.1
	Dover	cbcc	cb	56	69	4	2	2.8	3.0
	Deal	bcb	bcb	55	72	4	3	4.9	2.1
	Ramsgate	c	cb	57	70	6	11	4.7	2.7
	Margate	bcb	bcb	56	69	3	4	5.2	2.5
2	Southend	cbc	cb	53	71	6	1	4.0	1.7
	Maldon	cbc	cb	54	72	-	0.3	3.1	1.7
	Clacton-on-Sea	cbcc	cb	53	69	20	3	4.1	3.8
	Dovercourt	bcb	cb	53	69	3	11	4.3	3.3
	Lowestoft	b	b	49	69	-	-	7.7	6.0
	Skegness	rob	b	53	68	-	0.3	8.0	3.9
	Mablethorpe	cb	cb	53	66	3	-	9.3	2.4
	Cleethorpes	cbcc	cb	54	65	3	3	5.7	1.6
3	Leamington S.	cb	bc	54	68	2	Trace	3.2	2.0
4	Cheltenham	cbcc	cb	53	68	2	0.3	4.7	0.9
5	Bath	bcb	cb	55	68	0.3	3	8.2	1.8
	Weymouth	bcb	cb	54	71	2	-	8.3	2.6
	Jersey	bc	bc	55	65	2	-	11.7	3.3
	Torquay	bcb	b	55	70	2	-	11.2	3.1
	Penzance	cbcb	b	55	66	0.5	-	10.7	4.9
	St. Ives	b	b	52	63	-	-	10.8	5.0
	Bude	cbcc	cb	55	64	-	-	7.4	4.3
	Ilfracombe	cbcc	cb	58	64	-	-	5.3	5.4
6	Aberystwyth	bcb	cb	57	64	Trace	-	3.2	7.3
7	Llandudno	cbcc	cb	57	63	-	-	4.2	3.6
	Colwyn Bay	cbcc	cb	56	65	-	-	2.4	3.9
	Rhyl	cbcc	cb	57	65	-	-	3.0	3.6
8	Wallsay	bcb	cb	57	66	-	-	8.1	3.8
	Southport	bc	bc	58	68	-	-	9.7	5.2
	Blackpool	cbcc	cb	56	68	-	-	9.0	3.0
	Morecambe	bcb	b	53	68	-	-	8.3	0.8
9	Ilkley	cbcc	cb	52	71	-	7	4.3	0.7
10	Derwick-on-T.	bcb	c	55	63	Trace	-	4.5	3.4
11	Dunbar	bc	bc	56	68	-	-	3.0	7.7
12	Tron	cbcc	cb	56	65	Trace	-	7.6	5.5
	Douglas	cbcc	cb	55	65	-	-	8.0	3.5

† Max. Temp. for period 24h. yesterday to 17h. to-day; Min. Temp. 21h. to 9h. ‡ Min. Temp. 17h. to 9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th. July, 1933.
1. S.E. England	Light or moderate southwest wind; mainly fair at first, cloudy with local rain or drizzle later; day temperature about normal.
2. E. England...	
3. E. Midlands	
4. W. Midlands	Light or moderate southwest wind; cloudy, occasional rain or drizzle; local coastal fog; moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	As 1 - 3.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Moderate southwest wind; cloudy, occasional rain or drizzle; moderate temperature.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	
13. A.W. Scotland	Moderate west to southwest wind; cloudy, rain or drizzle later; moderate temperature.
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	Moderate southwest wind; cloudy, occasional rain or drizzle; moderate temperature.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	Moderate southwest wind; cloudy, occasional rain or drizzle; moderate temperature.
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
 WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — TEMPERATURE is given in degrees.  
 WEATHER SYMBOLS — ☉ Clear sky ☉ Sky less than  $\frac{1}{2}$  clouded. ☉ Sky  $\frac{1}{2}$  to  $\frac{3}{4}$  clouded. ☉ Sky  $\frac{3}{4}$  to  $\frac{5}{8}$  clouded. ☉ Overcast sky. ☉ Rain falling. \* Snow. \* Sleet. \* Haze.  
 SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## GENERAL INFERENCE.

An anticyclone is situated over the Bay of Biscay and a depression on the Atlantic is likely to move northeast. A shallow trough of low pressure over Ireland is moving east. Occasional rain or drizzle will occur in western districts and may extend to eastern districts.

## FURTHER OUTLOOK.

None issued.

Forecasts issued at 0915 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

☉ - Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

Clarke's Projection Scale 1 : 4 x 10<sup>7</sup> along meridian at 55°N

Statute Miles 0 1 2 3 4 500

All times are G.M.T. Add one hour to get summer time.



DISTRICT.	STREET.	(For help)
1	London	
	Croy	
	S. Far	
	Winch	
	Boscon	
	Calaho	
	Dunge	
	Lympr	
2	Shoebr	
	Felix	
	Gorles	
	Cranw	
3	Birmir	
4	Upper	
	Ross-o	
5	Portla	
	Plymo	
	The Li	
	Seilly	
	Guern	
6	Pembr	
7	Holyhe	
	Cheste	
8	L'pocl	
9	Harrog	
10	Spurn	
	Catter	
	Tynem	
11	Inchke	
	Leucha	
12	Renfre	
	Eskdal	
13A	Tiree	
13B	Storno	
15	Dalwhi	
	Aberde	
	Wick	
16	Lerwic	
17	Blacksc	
18	Malin	
	Alderg	
	Dona	
19	Birr C	
20	Valenti	
	Roche	

COL

b, blue sk  
cover  
bo, sky  
cover  
d, drizzle  
f, fog, vie  
F, thick l  
fa, fog ov  
fg, fog  
static  
m, mist, v  
h, hail.  
jP, preci  
static  
ks, storm  
k/a, alig  
(gen  
K/s, heav  
(gen  
a/o/k, alig  
(gen  
S/x, heav  
(gen  
KQ, line

§ The period referred to in Columns 31, 32, 34 and 35 are 7-17h and 17h-7h in this report.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 18<sup>th</sup> July, 1933.

No. 26,171.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 17 <sup>th</sup> July														OBSERVATIONS at 18h. G.M.T. 17 <sup>th</sup> July														PAST 24 HOURS.											
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-6	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Force 0-12	Weather.	Temp. °F.	Humid. %	Visibility 0-6	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.											
									Form.	Amount.	Height of Base. (feet)	Form.	Amount.									Height of Base (feet)	Form.	Amount.	Height of Base (feet)	7h.-13h. 17 <sup>th</sup>			13h.-18h. 17 <sup>th</sup>	18h. 17 <sup>th</sup> to 18h. 18 <sup>th</sup>	18h. 18 <sup>th</sup>									
																																Low.	Med.	High.	Low.	Med.	High.	Low.	Med.	High.
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)						
1 London (Kew)...	1021.9	-6	SW	3	c	65	55	8	8	7	8	4.6	9	4000	1021.9	0	WSW	3	c	66	65	8	8	2	-	7.8	10	2500	1	*	cm, cy	cp, c	c	cm.						
Croydon	1021.5	-2	WSW	3	c	70	55	8	8	9	3	4.6	9	4000	1021.9	+6	W'S	4	c	66	65	8	7	7	-	4.6	9+	4000	1	*	cm, bey	cye	cp, d	cm.						
S. Farnborough	1021.9	-2	W'S	4	c/pr	72	55	8	8	7	8	7.8	9+	4000	1022.2	+2	WSW	3	ir	66	65	8	5	-	-	9+	9+	4000	1	*	cbc-pr	ccyc	cr, c	c						
Winchester	1022.3	0	WSW	3	c	68	55	8	8	7	-	4.6	9+	4000	1022.3	-2	SW	3	c	64	75	8	5	-	-	10	10	2500	1	*	cr, cy	cye	cd, o	om, c						
Boscombe Down	1022.1	-2	W'S	3	c	64	65	8	5	2	-	2.3	10	1500	1021.9	-2	SW	3	c	63	85	7	5	2	-	7.8	10	1500	0	*	cr, bcc	c	coid	oid, m.						
Calshot, S'thmtn	1023.0	+10	SSW	5	c	68	55	8	8	4	8	4.6	7.8	4000	1023.1	+2	SW	4	c	63	85	7	5	7	-	9	9+	1500	0	2	c	c	c	c						
Dungeness	"	"	SSW	3	c	"	"	7	4	"	"	4.6	7.8	2500	"	"	SW	4	c	"	"	7	4	"	"	10	10	2500	"	2	bc	c	bc	c						
Lympe	1022.1	-2	SW	4	c	67	55	8	2	3	-	4.6	7.8	2500	1022.6	+4	WSW	2	c	63	65	9	5	7	-	9	9+	4000	0	*	c3, c	ccv	cv, beam	ad, beam						
2 Shoeburyness	1021.2	-2	WSW	2	c	68	65	8	8	7	-	7.8	9	5700	1021.4	0	WSW	1	c	63	75	7	8	7	-	7.8	9	5700	1	"	bcc3	c	cbc	bcm.						
Felixstowe	1020.7	0	SW'S	2	c	69	65	8	7	-	-	7.8	7.8	2500	1021.2	+2	SWW	2	c	66	65	8	5	-	-	9+	9+	5700	0	1	bc	c	cbc	bcc						
Gorleston	1020.3	+6	NE	2	c	67	85	6	8	-	-	7.8	7.8	2500	1020.2	-4	"	0	c	63	75	6	8	-	-	7.8	7.8	2500	0	2	bcc	c	cbc	cbc						
Cranwell	1020.4	+2	WSW	4	c	68	65	6	8	-	-	9	9	4000	1020.4	0	SWW	4	bc	65	75	7	1	3	-	2.3	4.6	2500	1	*	cm3	c	c	cm.						
3 Birmingham	1020.8	+2	WSW	3	c	64	65	8	6	1	-	9	10	2500	1020.9	-2	SSW	2	c	63	75	6	6	1	-	9	10	1500	1	*	bcc4	c	d, r, bc	cbc						
Upper Heyford	1022.1	+10	SW	3	c	62	75	8	5	2	-	4.6	10	4000	1021.6	-2	SW	2	c	63	85	8	5	7	-	9	9+	2500	1	"	cbep, r	c	cr, d, bc	bccw						
Ross-on-Wye	1020.9	0	WSW	4	c	64	75	7	5	7	-	9	9+	2500	1020.8	-4	SW	3	c	65	85	8	5	-	-	9+	9+	2500	1	"	cp, c	c	cbccp, b	c b						
4 Portland Bill	1023.7	+6	WSW	4	c	61	85	8	5	7	-	7.8	10	2500	1022.7	-4	WSW	4	f	60	95	2	5	-	-	10	10	1500	0	3	mc	off	cb	bcc						
Plymouth	1023.5	-2	SSW	3	d, d	60	95	4	6	-	-	10	10	1500	1023.2	+2	WNW	3	c	65	85	8	5	7	6	4.6	9+	1500	1	1	cd, d, m	ad, wc	cbcc	cw						
The Lizard	1023.7	0	WSW	3	F	62	95	1	5	-	-	10	10	450	1024.9	+4	W'N	2	m	63	95	4	5	-	-	10	10	1500	0	1	ff, pr	ff, d, m	F, pr	Ff						
Scilly (St. Mary's)	1024.2	+8	WNW	3	if	63	95	3	5	-	-	10	10	1500	1024.4	+4	W'S	3	bc	63	95	8	5	7	-	1	2.3	4000	0	1	df, f	if, bc	F, Fe	Ff						
Guernsey	1024.7	+4	W	2	c	64	75	8	8	-	-	10	10	2500	1024.2	-8	W	3	m	61	95	4	5	-	-	10	10	450	1	3	bcc	cd, m	oif	off						
5 Pembroke	1021.0	-6	W	3	o/d	61	95	6	5	-	-	10	10	1500	1021.5	+2	W	3	c	62	95	7	5	7	-	4.6	9+	2500	0	2	cmd, d, fm	cd, c	F, Fe	of, emc						
Holyhead	1020.4	0	SSW	4	o	59	85	8	5	-	-	10	10	450	1020.6	+2	SSW	3	bc	62	95	8	5	-	-	4.6	9+	2500	0	1	cu	or, c	bccbc	bcc						
Chester (Sealand)	1020.5	0	SWW	2	c	65	65	8	7	3	-	7.8	9+	2500	1021.0	+2	NW'N	1	id	62	85	7	5	2	-	7.8	9+	800	0	"	bcc	c	id, cif	m, c						
L'pool (Bidston)	1020.8	+4	WNW	3	o	60	75	9	5	-	-	10	10	2500	1021.1	0	WNW	1	c	60	85	9	5	-	-	10	10	2500	0	"	bcc	c	cpr	o						
6 Harrogate	1018.8	0	WSW	3	c	67	65	9	8	-	-	7.8	7.8	4000	1019.3	0	SW	3	c	62	75	9	8	-	-	7.8	7.8	4000	1	"	bcc	bcc	cb	bbe						
Spurn Head	1018.9	0	NW'W	2	c	68	65	6	5	7	-	4.6	7.8	2500	1018.6	0	W	4	c	66	85	6	5	2	-	4.6	9	2500	0	2	bc	bc	cbc	bc, c						
Catterick	1018.3	-4	W'S	3	c	67	55	8	4	-	-	2	7.8	7.8	4000	1018.5	-2	SW'W	3	bc	65	65	8	7	-	8	4.6	4.6	4000	1	"	bccy	cybcy	bcbbc	cbc					
Tynemouth	1017.3	0	W	2	c	59	75	8	9	-	-	9	9	1500	1018.9	+4	W	3	bc	68	85	7	2	-	-	4.6	4.6	2500	0	1	bep, c	cbc	bc	bcc						
7 Inchkeith	1017.0	+2	WSW	4	c	62	65	8	7	-	-	7.8	7.8	2500	1017.2	-4	WSW	4	c	62	65	8	1	-	-	7.8	7.8	4000	0	2	c	c	c	c						
Leuchars	1016.6	0	W	3	c	65	55	9	7	-	-	7.8	7.8	4000	1016.8	+2	W	4	c	65	55	9	4	-	-	2	2.3	7.8	4000	0	"	bccy	cbccy	bcy, bwl	b, cbcw					
8 Renfrew (Abbotts)	1017.7	0	W	4	c	64	65	9	5	-	-	9	9	4000	1018.2	+6	W'S	3	c	63	75	9	5	-	-	9+	9+	2500	0	"	cy	cy	cvc	cm.						
Eskdalemuir	1018.1	0	W	3	c	60	55	9	5	-	-	9+	9+	2500	1018.2	+4	W	3	bc	64	55	9	1	-	-	2	1	4.6	4000	1	"	cr, cy	bey	beyc	c					
9 Tiree	1018.0	+4	WSW	3	c	62	75	9	7	6	-	4.6	7.8	4000	1018.0	0	WSW	2	c	60	75	9	5	7	-	7.8	9	2500	0	1	c	c	cod, m	orr						
10 Stornoway	1018.0	+4	WSW	3	id	59	65	9	9	6	-	7.8	10	1500	1018.0	+6	W	3	c	58	65	9	5	-	-	10	10	1500	1	"	cid	c	c	cido						
11 Dalwhinnie	1017.2	+2	WNW	3	c	59	75	8	4	-	-	7.8	7.8	4000	1017.8	+8	NW	2	bc	59	55	8	4	1	-	2.3	4.6	4000	0	"	bc	c	c	c						
Aberdeen	1015.4	+2	NW	3	c	63	65	8	8	3	1	7.8	7.8	4000	1015.7	+2	ESE	2	c	63	65	8	7	3	6	2.3	7.8	4000	1	1	bcc	cbc	bcc	c						
Wick	1014.2	+2	W	3	c	60	75	8	8	1	-	7.8	9+	1500	1015.2	+4	WNW	3	c	59	75	8	8	1	-	4.6	7.8	1500	0	2	cpr, c	c	c	c						
12 Lerwick	1010.6	0	WSW	3	cjp	55	85	7	9	2	-	7.8	9+	800	1009.9	-6	W'N	5	c/pr	55	85	7	8	2	-	7.8	9+	1500	0	"	cpr	cpr	cp, bc	bcc						
13 Blackod Point	1013.8	+8	W	3	id	62	95	6	5	-	-	10	10	1500	1019.6	+6	SW	3																						

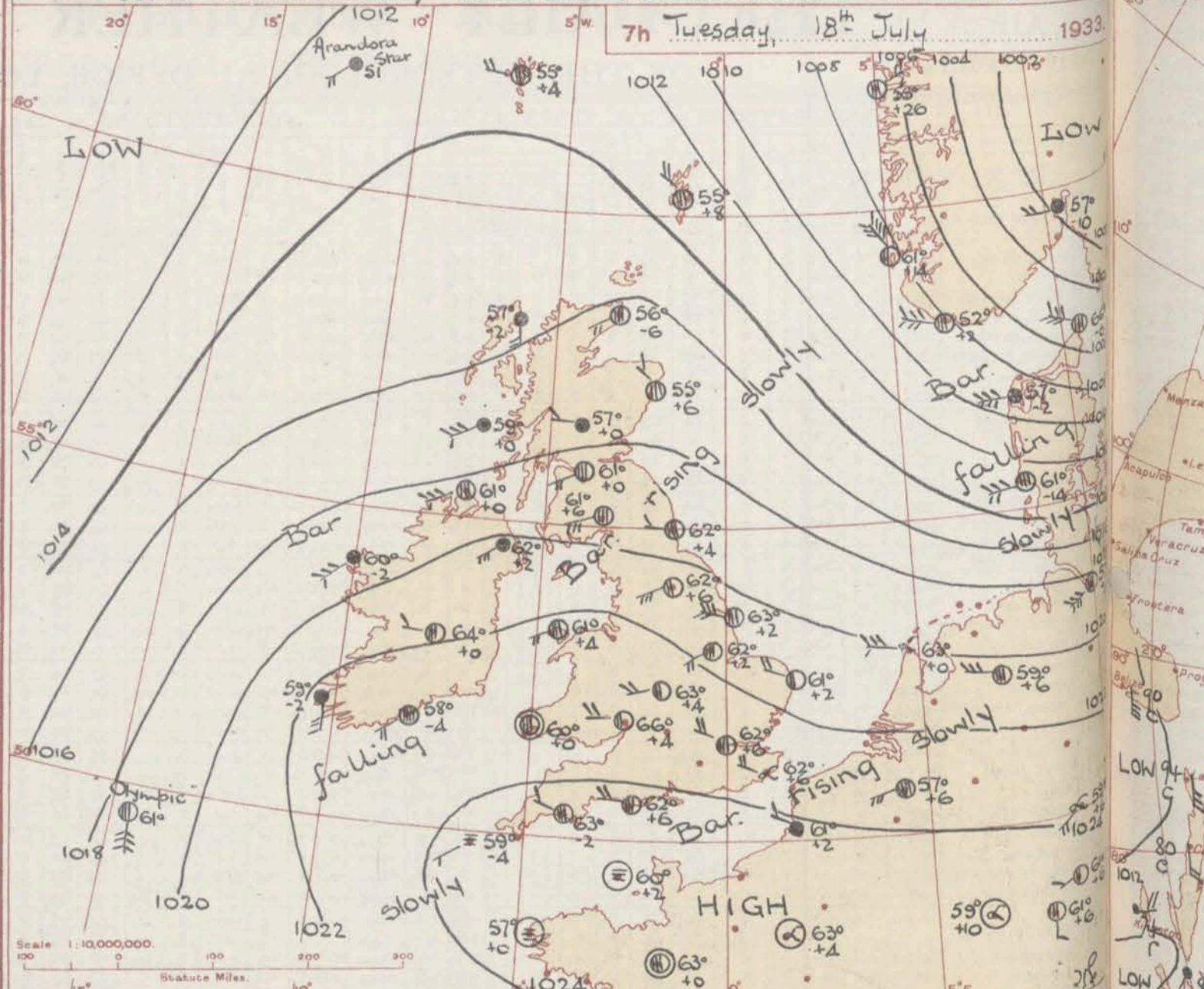


# REPORTS from HEALTH RESORTS for 17th July 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h. to 17h.	Max. 9h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 17h.
1 Tunbridge W.	bbe	bec	49	70	-	-	4.5	6.7
Bournemouth	rcr	oc	52	68	-	0.3	3.2	9.9
Ventnor	becb	becu	56	65	-	-	4.7	11.1
Southsea	cbe	bce	55	70	-	-	4.8	9.1
Bognor Regis	becb	bce	54	68	-	-	5.3	6.5
Littlehampton	cbe	bce	54	66	0.3	-	5.9	5.0
Worthing	cbe	bce	56	67	0.3	-	6.8	4.0
Brighton	bcb	bce	54	67	3	-	8.0	3.5
Eastbourne	cbeb	bbee	56	67	0.3	-	6.7	3.8
Hastings	cbeb	bbee	55	69	0.3	-	4.6	6.3
Folkestone	bc	bce	55	68	1	-	4.9	4.0
Dover	cbe	bce	55	66	1	-	3.8	2.9
Deal	bcb	bce	54	70	0.5	-	6.0	5.1
Ramsgate	bc	bce	56	71	-	-	5.3	5.8
Margate	bc	bce	57	70	-	-	4.7	6.7
2 Southend	bc	c	52	71	1	-	3.4	4.4
Maldon	cbb	co	53	73	0.3	-	3.4	3.7
Clacton-on-Sea	cbb	c	52	71	-	-	6.2	5.7
Dovercourt	cy	bce	53	72	-	-	6.7	6.4
Lowestoft	c	c	51	68	-	-	5.9	10.3
Skegness	bc	bce	50	70	1	-	6.9	9.8
Mablethorpe	c	c	51	71	1	-	4.8	11.2
Cleethorpes	cbe	bce	52	71	0.5	-	4.7	7.3
3 Leamington S.	c	c	50	66	-	-	1.5	4.7
4 Cheltenham	cbe	coc	50	66	0.3	Trace	0.7	5.7
5 Bath	bce	bc	52	67	Trace	Trace	1.5	10.8
Weymouth	cbe	c	53	67	-	-	3.0	10.3
Jersey	bc	bce	56	65	-	-	7.3	14.5
Torquay	cw	obe	53	70	-	-	1.1	14.0
Penzance	m.o	ocb	54	72	Trace	Trace	2.8	12.5
St. Ives	m.o	bc	56	66	-	-	1.1	13.0
Bude	c	c	58	65	-	-	0.3	9.1
Ilfracombe	c	c	57	67	-	-	0.0	7.0
6 Aberystwyth	bde	cide	56	61	0.3	1	0.0	5.5
7 Llandudno	c	c	53	65	-	-	1.4	6.9
Colwyn Bay	bce	ce	54	66	-	-	0.9	5.1
Rhyl	bce	c	54	64	-	-	2.8	5.9
8 Wallasey	cbb	c	54	65	-	-	3.5	11.1
Southport	cbe	bce	58	66	-	-	4.3	12.1
Blackpool	cbe	bce	57	66	-	-	6.2	11.3
Morecambe	cbe	bce	59	65	-	-	6.5	11.4
9 Ilkley	bc	bce	49	69	-	-	7.8	4.3
10 Berwick-on-T.	bce	bce	50	67	-	-	4.0	4.7
11 Dunbar	bc	bce	51	69	-	-	8.8	4.1
12 Troon	rc	bce	55	63	0.3	-	4.2	8.5
Douglas	cb	bce	51	64	-	-	7.1	8.7

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th. July, 1933.
1. S.E. England	Light or moderate west or southwest wind; fair; rather warm.
2. E. England...	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light or moderate southwest or south wind; mainly fair but local coastal fog; rather warm.
6. South Wales	Light or moderate southwest wind; mainly fair but local coastal fog; rather warm.
7. North Wales	
8. N.W. England	As 1 - 4.
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 6 - 8.
13. A.W. Scotland & N.W. Scotland	Moderate southwesterly wind; cloudy; local drizzle; rather warm.
14. Mid. Scotland	Light or moderate west to southwest wind; cloudy, local rain or drizzle; moderate or rather high temperature.
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	As 13.
18. N.E. Ireland	Light or moderate southwest wind; cloudy, brighter intervals; rather warm.
19. S.E. Ireland	
20. S.W. Ireland	Moderate or fresh southerly wind; cloudy, local drizzle; rather warm.

**BAROMETER.** Isobars are drawn for intervals of two millibars.

**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.

**TEMPERATURE** is given in degrees.

**WEATHER SYMBOLS.** ○ Clear sky. ○ Sky less than  $\frac{1}{8}$  clouded. ○ Sky  $\frac{1}{8}$  to  $\frac{1}{4}$  clouded. ○ Sky  $\frac{1}{4}$  to  $\frac{1}{2}$  clouded. ○ Overcast sky. ● Rain falling. \* Snow. \* Sleet. ▲ Hail. ☁ Fog. ☁ Mist. T Thunder. K Thunderstorm. ☁ Haze.

**SEA DISTURBANCE.** ~~~~~ Rough. ~~~~~ High.

**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**

An anticyclone is situated over France while a trough of low pressure on the Atlantic is likely to move northeast slowly. Except for local drizzle, chiefly in the extreme West and Northwest, weather will be fair and rather warm.

**FURTHER OUTLOOK.**

Unsettled in the Northwest; fair and warm in the Southeast.

Forecasts issued at 0915 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 18 <sup>th</sup> July.														OBSERVATIONS at 7 hr. G.M.T. 18 <sup>th</sup> July.														PAST 24 HOURS.								
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	TEMPERATURE.			RAINFALL.		Sun- shine 17 <sup>th</sup> to 18 <sup>th</sup> hr.		
				Dir.	Force. 0-12					Low.	Med.	High.	Low. 0-10	Total 0-10			Height of Base (feet).	Low.					Med.	High.	Low. 0-10	Total 0-10	Height of Base (feet).			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1023.4	+4	W'S	2	C	64	85	6	5	-	-	10	10	2500	0	*	70	61	58	Tr.	-	3.3		
Croydon	217	1022.2	0	WSW	3	C	61	95	7	5	-	-	9	9	1500	1023.3	+6	W'N	2	C	63	95	6	5	2	-	9	10	450	1	*	70	61	51	-	Tr.	3.9
S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	1023.5	+4	W'S	1	C	65	85	7	5	-	-	10	10	1500	1	*	73	59	50	Tr.	Tr.	2.9		
Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1023.6	+4	WNW	1	C	63	95	7	5	-	-	9	9	800	1	*	69	60	57	Tr.	Tr.	3.1		
Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1023.5	+2	WNW	2	C/d.	61	95	7	5	-	-	9	9	450	1	*	67	60	60	Tr.	0.1	2.8		
Calshot (S'thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	+6	W	2	C	64	85	8	5	7	-	9	9	1500	0	0	68	61	60	-	-	3.3		
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	W'N	1	C	*	*	7	4	-	*	7.8	7.8	4000	*	1	74	59	*	-	-	*		
Lymington	346	1022.8	0	W	2	3	58	95	6	5	-	-	10	10	450	1023.3	+6	WNW	2	3	62	95	5	5	3	-	9	9	800	0	*	68	57	55	-	0.1	3.1
2 Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1022.8	+4	W	2	C	66	85	6	-	3	-	0	7.8	-	0	*	71	61	59	-	-	3.9		
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1022.3	+4	W	2	C	64	85	7	5	3	9	4.6	7.8	1500	0	1	71	60	57	-	-	6.3		
Gorleston	8	1020.8	0	-	0	C	57	95	6	-	7	-	0	7.8	-	1021.0	+2	WNW	2	bc	61	95	6	1	-	1	2.3	4.6	4000	0	1	68	56	52	-	-	6.4
Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1021.8	+2	WSW	3	C	62	95	6	5	7	-	9	9	2500	1	*	68	59	57	-	-	9.4		
3 Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1022.5	+4	WSW	2	bc	63	85	6	5	3	-	2.3	2.3	1500	1	*	65	58	54	Tr.	0.6	2.1		
Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1022.9	0	W'S	2	3	62	95	6	5	-	-	9	9	800	1	*	68	54	48	Tr.	0.1	1.8		
4 Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1022.7	+4	W	2	bc	66	85	8	8	-	-	2.3	2.3	4000	1	*	66	60	54	Tr.	Tr.	1.8		
5 Portland Bill	32	1023.6	+6	W	3	bc	61	95	7	4	-	-	2.3	2.3	2500	1024.6	+6	W	2	C	62	85	8	4	2	-	7.8	10	2500	0	2	62	60	*	-	-	0.2
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1024.3	-2	WNW	1	C	63	95	8	5	-	2	9	9	1500	1	0	65	60	58	0.3	-	0.2		
The Lizard	240	1025.5	0	WSW	2	f	59	95	2	5	-	-	10	10	220	1025.1	0	WSW	1	F	60	95	1	5	-	-	10	10	1500	1	2	65	58	*	0.1	0.2	
Seilly (St. Mary's)	163	1025.6	0	WSW	2	F	60	95	1	5	-	-	10	10	150	1024.7	-4	SWW	1	bcf	59	95	2	5	-	-	4.6	4.6	1500	0	1	66	58	*	0.5	0.2	
Guernsey	175	1024.8	0	WSW	2	f	59	95	3	5	-	-	10	10	450	1025.1	+2	-	0	of	60	95	3	5	-	-	10	10	800	0	2	66	58	58	0.1	-	7.0
6 Pembroke	142	1023.8	+2	W	1	F	59	95	1	5	-	-	10	10	150	1023.3	0	-	0	m	60	95	4	5	-	-	10	10	1500	1	1	62	57	*	0.2	0.1	
Holyhead	26	1021.5	+4	WN	4	bc	63	85	8	5	-	-	4.6	4.6	1500	1022.3	+4	SWW	2	C	61	95	7	5	-	-	10	10	1500	0	0	64	59	56	Tr.	Tr.	1.6
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1022.3	+6	WNW	2	C	65	85	7	5	-	-	7.8	7.8	5700	1	*	65	56	53	Tr.	Tr.	3.7		
L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	1022.3	+2	W	4	0	62	95	8	5	-	-	10	10	2500	0	*	62	58	56	-	-	0.3		
9 Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	+6	WSW	3	bc	62	85	8	6	3	-	Tr.	4.6	2500	1	*	68	53	48	-	-	6.0		
10 Spurn Head	29	1019.6	+2	NNW	5	bc	58	95	6	5	-	-	2.3	2.3	2500	1020.1	+2	WNW	5	C	63	85	6	5	7	8	2.3	7.8	1500	0	3	68	57	*	-	-	6.1
Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	+6	ESE	1	C	61	85	8	5	-	-	9	9	1500	0	*	68	52	48	-	-	6.3		
Tynemouth	100	1018.5	0	W	2	bc	56	85	7	2	-	-	2.3	2.3	2500	1018.7	+4	W	1	C	62	85	7	6	-	-	7.8	7.8	1500	0	1	68	56	52	Tr.	-	*
11 Inchkeith	190	1018.4	+4	WSW	3	C	59	85	8	5	-	-	9	9	1500	1018.7	+2	WSW	3	C	59	95	8	5	3	-	7.8	9	2500	0	2	63	57	54	-	-	8.0
Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1018.0	+4	WSW	3	C	62	75	3	5	5	1	7.8	1500	0	*	69	50	41	-	-	10.9			
12 Renfrew (Abbotts)	18	*	*	*	*	*	*	*	*	*	*	*	*	1019.0	0	SW	2	C	61	95	6	5	-	-	10	10	800	0	*	67	58	56	-	-	4.7		
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1019.5	+6	WSW	3	C	61	85	8	5	-	-	9	9	800	1	*	66	55	52	Tr.	-	7.0		
13a Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1017.4	0	SW'S	4	rr	59	95	5	6	-	-	10	10	800	1	3	63	56	56	-	6	2.0		
13b Stornoway	34	-2	W	1	C	55	85	7	8	2	-	-	4.6	10	1500	-4	S	2	id.	57	95	7	8	2	-	2.3	10	800	1	1	60	55	*	Tr.	Tr.	0.6	
15 Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	0	W	1	ir.	57	95	8	4	4	-	7.8	10	2500	1	*	62	50	42	-	-	7.1		
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	+6	NW	1	C	55	85	8	5	-	-	9	9	2500	1	0	66	50	43	-	-	*		
Wick	81	1015.3	-4	WNW	3	C	55	85	8	8	1	-	4.6	9	1500	1016.6	+6	SW	2	C	56	85	8	8	1	-	7.8	9	1500	0	2	61	54	*	Tr.	-	1.0
16 Lerwick	54	1011.5	+14	NW	4	bc	52	95	8	5	1	-	1	2.3	1500	1013.4	+8	NW	2	C	55	85	9	8	-	1	4.6	7.8	1500	1	*	56	50	*	Tr.	0.5	*
17 Blacksod Point	18	1019.8	0	WSW	4	id.	60	95	6	5	-	-	10	10	150	1019.3	-2	SW	4	id.	60	95	7	6	-	-	10	10	150	1	3	64	59	*	0.1	0.2	
18 Malin Head	52	1019.2	0	WS	3	C/d	61	95	7	8	1	-	9	9	800	1019.1	0	SWW	4	C	61	95	7	8	7	-	9	9	450	1	1	62	59	*	Tr.	Tr.	0.9
Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	+2	SSW	3	ir.	6																		







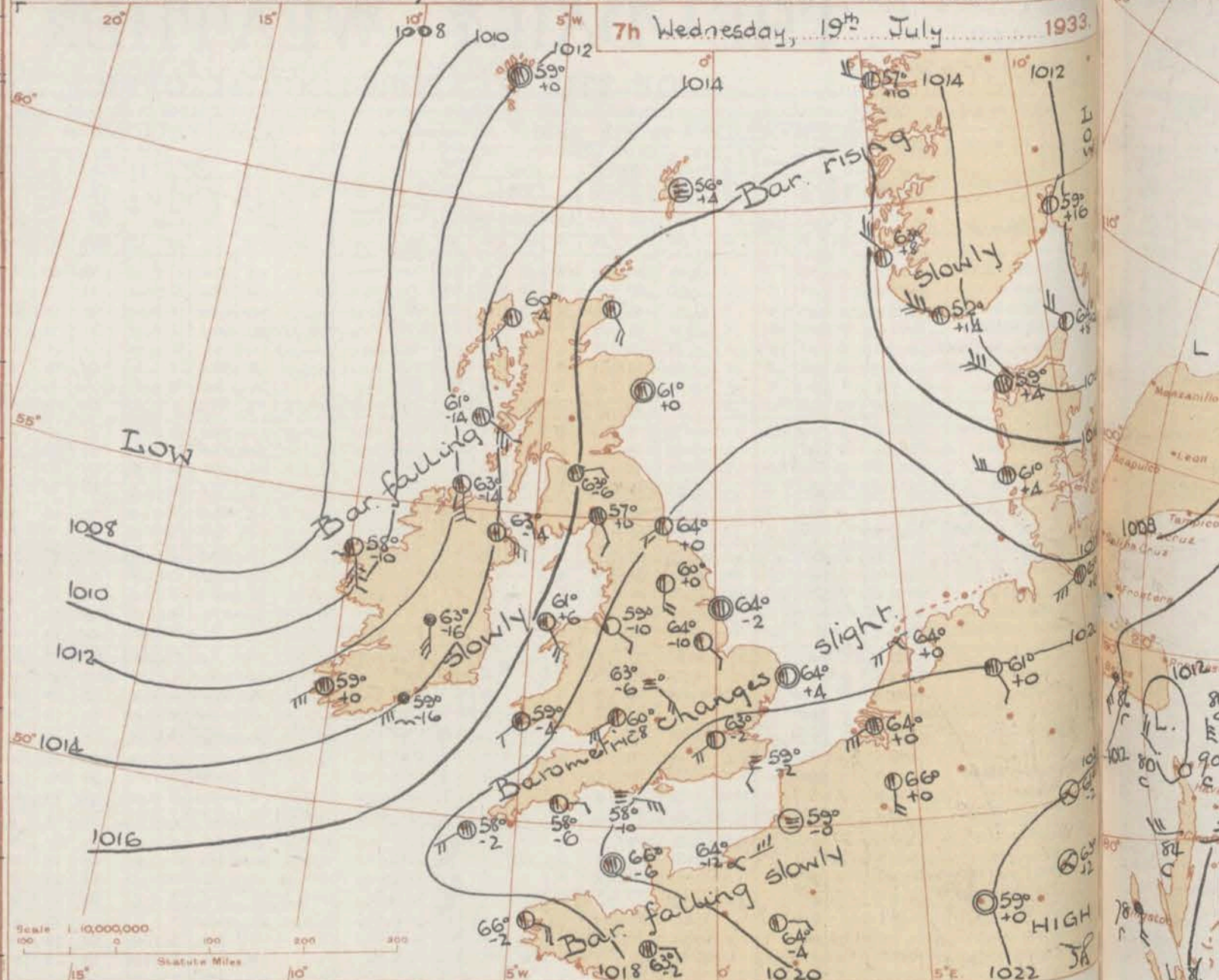
# REPORTS from HEALTH RESORTS for 18<sup>th</sup> July 1933.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

AIR

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Fore-noon.	After-noon.	Min. 9h.-17h.	Max. 9h.-17h.	Night. 17h.-17h.	Day. 9h.-17h.	Sunrise to 17h.	Sunset to 17h.
1 Tunbridge W.	coc	bcc	59	74	-	-	0.9	4.7
Bournemouth	cbe	b	60	76	-	-	6.7	3.2
Ventnor	ocb	obcb	59	67	-	-	5.2	4.7
Southsea	cb	bcc	62	77	-	-	4.1	4.8
Bognor Regis	bcc	bccb	62	68	-	-	2.2	5.6
Littlehampton	cbe	bc	61	67	-	-	2.3	6.0
Worthing	c	ebc	62	68	-	-	3.0	6.9
Brighton	cbe	ebco	62	68	-	-	0.3	8.0
Eastbourne	cc	ebcb	61	70	-	-	3.3	6.9
Hastings	cbe	bcbcc	59	71	-	-	2.3	5.1
Folkestone	bcc	bc	58	72	-	-	4.6	4.9
Dover	cbe	bcc	59	71	-	-	3.6	3.8
Deal	bc	bc	58	72	-	-	2.3	5.0
Ramsgate	bc	bc	59	72	0.3	-	2.4	5.3
Margate	cbe	c	59	73	-	-	2.5	4.7
2 Southend	c3	c93	61	76	0.3	-	2.6	3.4
Maldon	c	c	61	77	-	-	1.5	3.4
Clacton-on-Sea	bccc	c3	60	74	-	-	2.3	6.2
Dovercourt	bcc	bcc	59	75	-	-	1.9	7.2
Lowestoft	bbec	cbe	53	72	-	-	6.4	6.7
Skegness	bcc	cob	55	77	-	-	5.7	8.6
Mablethorpe	c	cbe	51	76	-	-	5.9	5.5
Cleethorpe	oc	cbe	54	77	-	-	5.2	4.9
3 Leamington S.	c	c	58	77	-	-	5.7	1.5
4 Cheltenham	bccbc	bcc	58	76	-	-	6.6	0.8
5 Bath	cbe	bch	61	75	Tr	-	6.6	1.5
Weymouth	cb	bhm	60	71	-	-	6.7	3.0
Jersey	rcbcb	bcb	59	69	0.6	-	6.7	7.3
Torquay	cwbc	b	56	66	-	-	9.1	1.3
Penzance	cbe	obf	59	69	Tr	-	7.0	3.8
St. Ives	c	cbe	59	66	-	-	4.6	3.3
Bude	om	cm	58	64	0.6	-	1.8	0.3
Ilfracombe	ofc	bef	60	68	-	-	2.0	0.0
6 Aberystwyth	cdd	idcb	56	67	1	0.3	4.9	0.1
7 Llandudno	c	cbe	60	71	-	-	1.2	2.5
Colwyn Bay	bcc	bc	61	73	-	-	2.5	1.8
Rhyl	cbe	cbe	59	74	-	-	3.1	3.1
8 Wallasey	cbe	bcbcc	60	72	-	-	2.6	3.5
Southport	ocbc	bcbcc	60	71	-	-	2.0	4.3
Blackpool	c	c	60	71	-	-	1.1	6.3
Morecambe	ebcc	ebcc	66	68	-	-	0.2	7.0
9 Hkley	cbe	cbcc	55	71	-	-	3.6	9.2
10 Berwick-on-T.	od r	orrc	54	70	-	3	1.9	4.5
11 Dunbar	rrrr	mfc	56	70	-	2	2.4	10.8
12 Troon	roor	roc	58	65	Tr	Tr	0.6	5.6
Douglas	cbe	cideb	58	67	-	Tr	2.1	8.1

† Max. Temp. for period 24h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th July, 1933.
1 S.E. England	:Light variable or southeasterly wind; fine or fair; warm.
2 E. England...	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light or moderate easterly to variable wind; fair at first, occasional rain later, perhaps thunder; warm then cooler.
6 South Wales	
7 North Wales	Light or moderate south or southeast wind, veering later; fair at first, occasional rain later, perhaps thunder; warm then cooler.
8 N.W. England	
9 N. Midlands	Light southerly wind; fine or fair; warm.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	As 6 - 8.
13 A.W. Scotl. & N.W. Scot-land	Moderate southerly wind; cloudy, occasional rain later; rather warm.
14 Mid. Scotland	Light or moderate southerly wind; mainly fair; warm.
15 N.E. Scotland	
16 Orkneys and Shetlands.	Moderate or fresh south to southwest wind; occasional rain or showers, perhaps thunder; moderate temperature.
17 N.W. Ireland	Moderate south or southeast wind, veering; occasional rain or showers, perhaps thunder; rather warm.
18 N.E. Ireland	
19 S.E. Ireland	Moderate southwest to west wind; occasional rain or showers, perhaps thunder; moderate temperature.
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
 WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
 WEATHER SYMBOLS - ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☁☁ Sky 1/2 to 3/4 clouded. ☁☁☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁☁☁☁ Fog. ☁☁☁☁ Mist. T Thunder. K Thunderstorm. ☁☁☁☁ Haze.  
 SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone over Central Europe extends over England and the North Sea while a trough of low pressure off Western Ireland is likely to move northeast. Weather will be fair or fine in the East and Southeast but there will be occasional rain or showers in the West and Northwest.

### FURTHER OUTLOOK.

Rather unsettled with thundery tendency.

Forecasts issued at 0930 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 12 <sup>th</sup> July														OBSERVATIONS at 7 hr. G.M.T. 12 <sup>th</sup> July														PAST 24 HOURS.								
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Height of Base (feet)	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				State of Ground. 0-9	Sea. 0-9	TEMPERATURE.			RAINFALL.		SURFACE WIND.			
				Direc.	Force.					Low.	Med.	High.	Low.				Total.	Direc.					Force.	Low.	Med.	High.			Low.	Total.	Height of Base (feet)	Max. Day 7h-12h of °F.	Min. Night 12h-7h of °F.		Min. on Grass °F.	Day 7h-12h mm.	Night 12h-7h mm.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	+4	S'E	1	bc	65	85	6	5	8	-	Tr.	2.3	4000	1	*	79	59	-	-	-	2.1		
Croyden ...	217	1020.9	-6	S	2	30	61	95	6	-	-	0	0	1020.5	-2	SSW	2	b	63	85	7	-	-	1	0	Tr.	-	1	*	75	58	55	-	-	2.4		
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	-4	SSW	1	b	63	85	7	-	4	1	0	1	-	0	*	79	57	47	-	-	7.3		
Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	-2	SE	1	F	56	95	1	5	-	-	10	10	<150	1	*	76	53	50	Tr.	Tr.	6.1		
Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	1020.1	-4	SSW	1	f	55	95	2	5	-	-	10	10	220	1	*	76	52	51	-	-	3.1		
Calshot (S'hamtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	-6	ESE	2	F	59	95	1	5	-	-	10	10	<150	1	0	73	56	56	-	-	3.1		
Dunfermline ...	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	F	*	*	1	5	-	*	10	10	<150	*	0	70	55	*	-	-	3.1		
Lymington ...	346	1021.9	-6	WSW	1	m	55	95	4	-	-	0	0	1021.0	-2	SW'S	1	if	59	95	3	5	3	4	4.6	7.8	5700	1	*	72	54	50	Tr.	0.1	3.1		
2 Shooburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	0	WSW	2	c	64	95	6	-	3	-	0	9	-	0	*	76	58	53	-	-	3.4		
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	0	S'W	1	30	65	95	6	-	3	9	0	2.3	-	0	0	75	61	57	-	-	1.5		
Grinstead ...	5	1020.3	-2	-	0	b	63	85	6	-	-	0	0	1019.5	+4	-	0	c	64	85	6	-	3	-	0	7.8	-	0	1	70	60	56	-	-	8.2		
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	1019.1	-10	SE'S	1	bc	64	95	6	5	3	-	4.6	4.6	7200	0	*	76	56	52	-	-	6.1		
3 Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	1018.9	-6	SE	2	m	63	85	4	5	3	-	4.6	4.6	1500	1	*	77	59	48	-	0.2	7.1		
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	-6	S	2	bc	62	95	7	-	-	5	0	2.3	-	0	*	77	56	48	-	-	8.3		
Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	-8	SW	3	c	60	95	5	5	-	-	9+	9+	450	0	*	77	54	48	-	-	8.3		
5 Portland Bill ...	32	1021.3	-6	SW	1	F	59	95	1	5	-	-	10	10	<150	1019.0	-10	ESE	3	F	58	95	1	5	-	-	10	10	<150	1	2	65	55	*	-	Tr.	7.1
Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	-6	E	1	c	58	95	8	7	3	9	4.6	7.8	4000	0	0	66	56	55	-	-	1.5		
The Lizard ...	240	1020.8	-6	SE	1	F	57	95	1	5	-	-	10	10	<150	1018.6	-2	E	2	F	59	95	1	5	-	-	10	10	<150	1	1	69	55	*	-	0.1	
Scilly (St. Mary's) ...	163	1020.7	-6	S'W	3	bF	58	95	1	-	-	-	0	0	-	1018.6	-2	SW'W	2	c	58	95	7	8	6	-	7.8	3	2500	0	1	67	57	*	-	0.1	
Guernsey ...	175	1020.9	-10	-	0	bF	57	95	2	-	-	-	0	0	-	1019.2	-6	-	0	c	66	75	8	8	-	-	7.8	7.8	2500	0	2	67	56	51	-	-	4.1
6 Pembroke ...	142	1019.8	-8	SW	1	bc	57	95	4	7	7	-	2.3	2.3	2500	1017.6	-4	SSW	1	c/f	59	95	7	5	-	9+	9+	1500	1	2	62	56	*	Tr.	0.1	1.1	
Holyhead ...	26	1019.3	-8	SW	2	b	58	95	8	5	-	-	1	1	4000	1017.3	-6	SE	2	c	61	85	8	4	3	8	2.3	9+	2500	0	0	69	54	49	Tr.	-	6.1
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	-10	SE'S	1	30	59	85	6	1	5	4	Tr.	7.8	4000	0	*	74	49	46	-	-	4.1		
8 L'pool (Bidston) ...	198	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	-8	SE'E	2	bc	64	75	7	5	4	-	4.6	4.6	2500	0	*	71	58	54	-	-	4.1		
9 Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	0	S	2	bc	60	85	7	5	3	-	1	2.3	4000	1	*	70	55	51	-	-	4.1		
10 Spurn Head ...	29	1019.6	0	NNW	2	bc	62	95	6	5	2	-	2.3	4.6	4000	1019.0	-2	-	0	c	64	95	6	5	3	-	4.6	7.8	1500	0	1	74	61	*	Tr.	9.1	
Catterick ...	173	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-6	SE'S	2	bc	63	85	8	-	5	-	0	2.3	-	0	*	72	55	51	-	-	5.6		
Tynemouth ...	100	1019.3	+2	W	2	bc	62	85	7	9	-	-	4.6	4.6	1500	1018.0	0	SW	1	m	64	75	4	5	-	4.6	4.6	800	1	1	68	58	55	1	0.1	*	
11 Inchkeith ...	190	1018.3	-2	WSW	2	c	61	95	7	7	-	-	7.8	7.8	1500	1017.2	-6	WSW	1	c	59	95	6	5	3	-	4.6	7.8	2500	0	1	64	58	49	3	-	0.1
Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	1017.1	-2	E	3	c	62	95	8	5	3	-	9	9+	4000	1	*	71	56	52	3	-	4.1		
12 Renfrew (Abbots) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1016.4	-6	E	1	c	63	85	6	5	-	-	9	9	5700	0	*	66	55	49	2	-	0.1		
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1017.0	0	SE	1	0	57	95	6	5	-	-	10	10	<150	1	*	67	57	50	Tr.	-	0.1		
13 Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1013.6	-14	SE	4	c	61	85	7	5	7	-	4.6	7.8	2500	0	2	65	56	53	3	-	5.1		
14 Stornoway ...	34	*	-6	S	1	c	57	95	7	8	6	-	4.6	9	1500	-4	SSW	1	c	60	85	9	8	6	-	4.6	9+	1500	1	1	66	57	*	Tr.	-	0.1	
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1016.7	-8	S	2	c	62	85	8	4	1	-	4.6	10	2500	0	*	69	49	44	1	-	2.1		
Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	1017.1	0	-	0	c	61	95	6	3	9	-	2.3	9	4000	1	0	66	55	52	-	-	0.1		
Wick ...	81	1016.4	0	SSW	2	c	58	95	8	8	6	-	4.6	7.8	1500	1016.2	0	SE	2	c	57	95	8	7	-	4.6	7.8	1500	0	2	59	54	*	0.2	0.1		
16 Lerwick ...	54	1015.7	+2	-	0	c	53	95	7	5	-	-	10	10	800	1015.3	+4	-	0	f	56	95	3	5	-	10	10	<150	1	*	60	52	*	-	13.1		
17 Blackod Point ...	18	1013.2	-16	S	6	PR	62	85	7	8	-	-	9	9	220	1009.8	-10	S	6	q	58	85	8	3	-	4.6	4.6	450	1	4	66	56	*	-	10	2.1	
18 Malin Head ...	52	1015.8	-16	SW	1	bc	61	85	8	5	4	-	2.3	4.6	2500	1011.5	-14	S'E	4	c	63	75	8	6	4	-	7.8	9+	1500	0	1	68	59	53	Tr.	0.1	
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	1014.6	-14	SE'E	3	c/r	62	75	8	5	9	8	4.6	9+	4000	0	*	73	59	*	-	-	2.1		
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	1016.1	-6	SSW	2	c	59	95	8	5	-	-	9	9	1500	0	1	73	57	*	-	-	4.1		
19 Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	1013.3	-16	S	3	rr	62	85	7	6	-	-	9+	9+	1500	1	*	70	60	58	-	Tr.	4.1		
20 Valentia Obay.†	30	1014.3	-14	SSW	5	cr	59	95	6	9	-	-	10	10	800	1013.5	0	SW'S	3	c	59	85	8	5	7	-	4.6	9	1500	1	2	66	57	55	Tr.	6	0.1
Roche's Point...	22	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	-16	SW	3	lr	59	95	8	6	-	-	10	10	1500	1	4	67	57	*	-	2	4.1		

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.																											
Day 7h-18h, Kew & Crofton. 9h-18h, Kensington. 9h-21h, other stations, except Greenwich & Hampstead rainfall, 9h-18h.													Height above M.S.L. in feet.	Weather.			Temperature.			Rainfall.		Sun- shine to Sunset, hrs.		Humidity.		Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.				COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.						COLUMNS 8, 22.—Code for surface visibility. Objects not visible at 0 Dense fog 55 yards. 1 Thick fog 220 " 2 Fog 50 " 3 Moderate fog 1,100 " 4 Mist or haze 1 1/2 miles. 5 Poor visibility 2 1/2 " 6 Moderate " 8 1/2 " 7 Good " 12 1/2 " 8 Very good " 31 " 9 Excellent " beyond 31m.					
Morning. Afternoon. Night.													Day Max.	Night Min.	Min. on Grass °F.	Day. mm.	Night. mm.	Yester- day.	To-day.	15h. G.M.T. %	9h. G.M.T. %	Visi- bility 9h.	24 hrs. ended 7h. G.M.T. 12h.																		
24 hrs. ended 9h.													°F.	°F.	°F.	mm.	mm.	Yesterday.		To-day.	SOUTH KENSINGTON.				COLUMNS 4, 48. The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.																
Kew ... ..													18	c	c	bcbmw	79	59	-	-	-	2.1	-	-	8	Max. Time. Min. Time.				0.5 9-10h. Nil 15h. 18" 2h. 13"											
CROFTON ... ..													217	cm,c	cbcy	bcbmwf	75	58	55	-	Tr.	1.7	61	58	7																
GREENWICH (Royal Observatory) ...													149	c,c	c	cbw	79	57	50	-	Tr.	1.7	61	58	7																
CITY (Bunhill Row) ... ..													-	-	-	-	-	-	-	-	-	2.3	-	-	-																
WESTMINSTER (St. James' Park) ...													27	-	-	-	77	58	55	-	-	2.4	56	55	-																
ROGERS' PK. (Botanic Gardens) ...													108	-	-	-	79	61	52	-	-	2.2	63	63	-																
CAMDEN SQUARE ... ..													110	c	c	-	78	61	55	-	-	-	-	60	-																
KENSINGTON ... ..													80	c	cbcy	-	77	59	53	-	-	2.3	At 18h. 56	62	-																
HAMPSTEAD OBSERVATORY ... ..													450	c	bc	bc	75	59	55	-	-	2.7	56	91	-																
FOREIGN OBSERVATIONS.													16h. G.M.T. 12h. July				7h. G.M.T. 12h. July				Past 24 Hours.				COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.						COLUMNS 30.—Code for State of Sea. 0 Calm. 5 Very rough. 1 Smooth. 6 High. 2 Slight. 7 Very high. 3 Moderate. 8 Precipitous. 4 Rough. 9 Confused.										
STATIONS.													Barom. mb.		Wind. Direc. Force.		Weather.	Temp. °F.	Barom. mb.		Wind. Direc. Force.		Weather.	Temp. °F.													Max. Day °F.	Min. Night °F.	Rainfall. Day. mm. Night. mm.		
PARIS ... ..													1022.6		N 3		c	73	1020.9		E 1		bc	64	77	57	-	-													
BRUSSELS ... ..													1022.3		W 2		bc	68	1021.4		0 2		b	66	70	55	Tr.	-													
BURKIN ... ..													1019.8		W 2		c	68	1020.1		WNW 3		c	63	68	59	-	-													
TURIN ... ..													1022.0		NNW 2		bc	72	1021.1		NNE 1		b	57	77	52	-	-													
ROME ... ..													1016.3		WSW 3		b	84	1018.5		NNE 3		b	73	90	55	-	-													

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTAL HOUSE, KINGSWAY LONDON, W.O.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

Flux observations are from Valentia W/T station

† Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h

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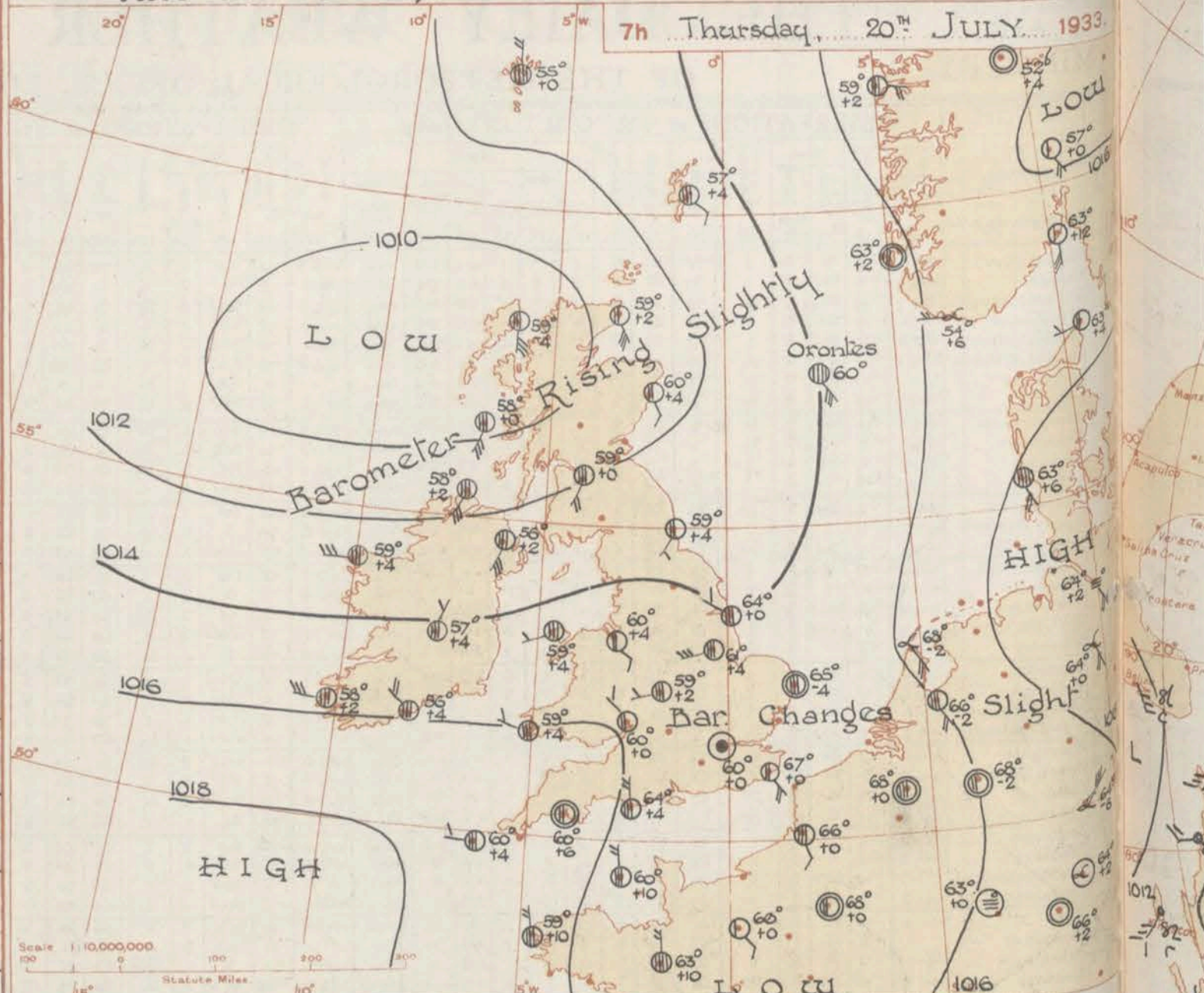
# REPORTS from HEALTH RESORTS for 19th JULY 1933

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. 18h.	Max. 9h. 17h.	Night. 17h. 18h.	Day. 9h. 17h.	Sunrise to 17h.	Sunset to 18h.
1	Tunbridge W.	b	bc	52	80	-	-	10.8	2.1
	Bournemouth	b	b	57	72	-	-	9.0	9.6
	Ventnor	feb	b	55	70	-	-	10.0	7.0
	Southsea	b	b	59	73	-	-	9.4	6.5
	Bognor Regis	bc	bc	58	69	-	-	9.7	3.7
	Littlehampton	bc	bc	57	71	-	-	9.4	3.3
	Worthing	b	b	57	69	Tr	-	9.2	3.8
	Brighton	bc	bc	57	69	-	-	10.0	0.3
	Eastbourne	mb	b	54	70	-	-	8.1	5.1
	Hastings	b	b	56	72	-	-	10.6	4.4
	Folkestone	bmb	b	57	75	-	-	9.5	4.7
	Dover	bfn	b	57	75	-	-	8.2	4.1
2	Deal	obcb	b	58	79	-	-	9.0	2.5
	Ramsgate	b	b	59	71	-	-	9.6	2.4
	Margate	bcb	bc	65	79	-	-	9.5	2.8
	Southend	bcb	bc	61	79	-	-	9.6	2.8
	Maldon	b	b	65	82	-	-	8.9	2.5
	Clacton-on-Sea	cbmb	bc	61	71	-	-	9.8	3.0
	Dovercourt	zbc	bcv	60	75	-	-	11.4	2.0
	Lowestoft	b	b	57	75	-	-	9.3	8.0
	Skegness	obcb	cb	60	72	Tr	-	9.9	7.6
	Mablethorpe	bc	bcb	58	71	-	-	8.0	8.1
	Cleethorpes	b	b	59	80	-	-	7.8	7.2
	Leamington S.	bcb	bcb	57	78	-	4	9.7	7.7
3	Cheltenham	bcb	bcb	54	76	-	-	10.1	7.7
	Bath	bcb	bcb	56	78	-	-	9.5	9.1
	Weymouth	cbf	feb	56	68	-	-	6.3	6.7
	Jersey	b	bcb	60	80	-	-	11.3	9.7
	Torquay	bcm	bcb	56	65	-	-	6.5	11.7
	Penzance	feb	bcb	55	70	Tr	-	7.0	7.2
	St. Ives	febcb	b	55	69	-	-	9.0	4.7
	Bude	cbc	bc	58	70	-	-	8.3	2.0
	Ilfracombe	bc	bcb	58	64	-	-	7.0	2.6
	Aberystwyth	bcb	bcb	55	69	-	-	8.0	8.1
	Llandudno	bc	bcb	55	74	-	-	8.8	3.8
	Colwyn Bay	bcb	bcb	55	74	-	-	7.9	5.2
4	Rhyl	ybbe	bcb	53	75	-	-	7.7	6.1
	Wallasay	bcb	bcb	58	76	-	-	10.4	4.8
	Southport	bcb	bcb	55	75	-	-	9.0	3.6
	Blackpool	c	bcb	55	74	-	-	8.7	2.2
	Morecambe	b	b	54	74	-	-	11.8	0.3
	Ilkley	cbc	bcb	53	78	-	-	5.5	3.2
	Berwick-on-T.	bc	cb	59	70	-	-	7.9	2.0
	Dunbar	bc	bc	58	77	-	-	5.1	3.2
	Troon	cbc	cbc	59	68	-	-	2.1	0.7
	Douglas	cbc	cbc	56	65	-	-	3.6	3.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 20th JULY 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th July, 1933
1 S.E. England	Light variable to westerly wind; showers and bright periods, perhaps local thunder; rather warm.
2 E. England	
3 E. Midlands	
4 W. Midlands	Light westerly winds; variable cloud, local showers; rather warm.
5 S.W. England	
6 South Wales	
7 North Wales	Light or moderate southwest to west wind; bright intervals and showers; moderate or rather high temperature.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 A.W. Scotland & N.W. Scotland	Light southerly to variable wind; variable cloud, showers or occasional rain; moderate or rather high temperature.
14 Mid-Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Light or moderate westerly wind; variable cloud; showers; moderate temperature.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. ☉ Clear sky ☁ Sky less than 1/2 clouded ☂ Sky 1/2 to 1 clouded ☔ Sky 1/2 to 1 clouded ☔ Overcast sky ☔ Rain falling ☔ Snow ☔ Sleet ☔ Haze  
SEA DISTURBANCE. Rough High  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A trough of low pressure stretching from the Hebrides to France separates anticyclones situated over Central Europe and to southwest of the British Isles. There will be showers in most districts and perhaps local thunder in East and Southeast England.

### FURTHER OUTLOOK.

Unsettled in the North; doubtful in the South.

Forecasts issued at

0920 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Thursday 20<sup>th</sup> July 1933.  
No. 26,173.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 20 <sup>th</sup> July														OBSERVATIONS at 7 hr. G.M.T. 20 <sup>th</sup> July														PAST 24 HOURS.									
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-8	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-8	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun- shine 12 <sup>hr</sup> .			
				Direc.	Force.					Form.	Amount.	Height of Base. (feet)	Direc.	Force.			Form.	Amount.					Height of Base (feet)	Max. Day 7h-12h °F.	Min. Night 12h-7h °F.	Min. on Grass °F.	Day 7h-12h mm.			Night 12h-7h mm.								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)			
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	0	NW	1	C	62	95	5	5	7	-	7.8	9	2500	1	*	81	58	51	-	1	13.0			
Croydon	217	1015.6	-6	-	0	bc	57	95	7	-	3	1	0	2-3	1015.7	0	-	0	PR	60	85	5	9	7	8	4.6	9+	1500	1	*	78	56	51	-	2	12.9		
S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	+2	WSW	1	C	61	95	8	8	3	6	4.6	9+	4000	1	*	81	55	*	-	0.2	13.4			
Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1015.6	+6	NW	1	C	60	95	6	8	7	-	7.8	9+	4000	0	*	77	55	51	-	-	9.4			
Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1015.3	+2	-	0	C	60	95	6	5	6	9	2.3	7.8	4000	1	*	76	56	52+	-	-	10.0			
Calshot (S'thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1015.1	+2	NNW	3	C	62	85	6	8	9	-	4.6	9	4000	0	1	71	60	57	-	-	10.1			
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	ENE	2	bc	*	*	6	5	7	*	2.3	4.6	1500	*	0	74	55	*	-	-	*			
Lympe	346	1016.0	-14	ESE	3	b	62	85	8	-	-	5	0	1	1015.5	0	SE	2	bc	67	75	7	-	8	6	0	4.6	-	0	*	75	60	53	-	-	12.3		
2 Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1015.4	-2	W	1	bc	66	85	6	-	6	8	0	4.6	-	0	*	79	56	47	-	-	10.6			
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1015.6	-2	-	0	C	66	85	8	-	8	6	0	7.8	-	0	0	74	57	50	-	-	13.2			
Gorleston	5	1015.9	-8	-	0	b	62	86	7	-	-	-	0	0	1015.1	-4	-	0	C	65	85	6	-	7	-	0	7.8	-	0	1	72	60	55	-	-	7.9		
Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1015.3	+4	WS	3	C	61	95	6	5	2	-	9	10	4000	1	*	78	60	55	-	3	10.5			
3 Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	+2	WSW	1	C	59	85	7	-	3	-	0	7.8	-	1	*	76	57	55	-	-	10.3			
Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1015.6	+4	NW	2	C	61	85	7	7	7	-	4.6	9+	2500	0	*	77	58	53	Tr	-	6.2			
4 Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1015.9	0	NW	1	bc	60	85	8	-	9	-	0	4.6	-	0	*	76	56	51	-	-	*			
5 Portland Bill	32	1014.9	-8	NW	3	f	61	95	2	5	-	-	10	10	1015.3	+4	N	2	C	64	85	7	4	4	-	4.6	9	2500	0	2	64	57	*	-	-	5.4		
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1016.2	+6	-	0	bc	60	95	7	5	-	9	2.3	2.3	4000	0	0	70	57	54	-	-	8.1			
The Lizard	240	1016.8	0	W	1	C	57	95	8	5	-	-	7.8	7.8	1016.6	+2	-	0	C	59	95	8	4	-	-	9	9	4000	0	2	69	54	*	Tr	-	8.1		
Scilly (St. Mary's)	163	1017.5	-2	WS	2	bc	57	95	8	5	-	-	4.6	4.6	1016.9	+4	W	1	C	60	95	8	8	-	-	7.8	7.8	4000	0	1	66	57	*	-	Tr	13.6		
Guernsey	175	1015.7	-2	WS	2	bc	61	95	7	7	-	-	2.3	2.3	1015.6	+10	NNW	2	30	60	95	5	5	-	-	9+	9+	2500	0	2	74	59	57	-	-	13.6		
6 Pembroke	142	1015.2	-4	WSW	2	C	59	95	7	5	7	-	4.6	7.8	1015.7	+4	WNW	1	Cip	59	95	7	3	2	-	4.6	9+	1500	0	2	64	57	*	Tr	0.4	3.8		
7 Holyhead	26	1014.4	0	SW	3	C	58	95	7	5	-	8	7.8	9	1014.8	+4	SW	1	C	59	85	8	5	-	8	9	9+	800	0	0	65	56	51	Tr	-	8.8		
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1014.9	+4	SE	1	bc	60	85	7	5	4	1	4.6	4.6	4000	0	*	79	55	49	-	-	11.3			
8 L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	0	W	3	bc	60	85	8	-	3	-	0	4.6	-	0	*	74	56	53	0.6	-	11.3			
9 Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1014.3	0	SW	1	bc	59	85	7	-	-	2	0	4.6	-	0	*	77	54	49	-	-	4.5			
10 Spurn Head	29	1013.8	0	WS	3	bc	64	95	7	-	2	-	0	4.6	1014.0	0	WNW	1	C	64	95	5	5	2	-	4.6	9+	1500	0	1	70	60	*	-	0.1	9.5		
Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1013.9	+2	SE	1	bc	59	85	7	5	7	2	Tr	4.6	2500	1	*	75	53	50	1	1	8.5			
Tynemouth	100	1012.9	0	SW	2	bc	62	85	7	2	-	-	4.6	4.6	1013.2	+4	SW	1	bc	59	85	5	2	-	1	4.6	4.6	2500	1	1	66	57	55	8	9	*		
11 Inchkeith	180	1012.6	-2	SSW	1	C	60	85	8	4	1	-	4.6	9	1013.0	+4	SW	2	C	59	85	8	8	6	-	4.6	7.8	2500	0	1	68	58	52	-	-	6.1		
Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1012.3	+2	W	3	bc	60	85	8	5	-	6	4.6	4.6	7200	0	*	71	55	48	-	-	6.2			
12 Renfrew (Abbotts)	18	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	0	SSW	2	C	59	85	8	9	7	-	4.6	9+	1500	0	*	71	54	48	-	0.4	3.6			
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1012.6	+2	SSW	2	C	58	85	8	5	-	-	9+	9+	800	1	*	71	55	54	Tr	Tr	6.9			
13a Tires	22	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	0	SSW	3	Cip	58	95	7	8	-	-	9+	9+	1500	1	2	62	55	52	14	4	0.7			
13b Stornoway	34	-	-6	SE	1	pr	57	95	7	9	7	-	7.8	9+	1500	-4	S	3	C	58	85	8	6	-	-	4.6	7.8	1500	1	1	67	55	*	Tr	11	2.2		
15 Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1011.6	+2	SW	1	C	54	95	8	4	4	-	7.8	10	2500	1	1	70	49	45	Tr	1	3.4			
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1011.4	+2	SSW	1	bc	60	85	7	-	9	9	0	4.6	-	1	1	69	55	44	Tr	0.3	8.4			
Wick	81	1010.2	-16	SE	3	bc	57	95	7	5	-	8	2.3	4.6	1010.1	+2	SSW	3	bc	59	95	7	5	4	1	2.3	4.6	2500	0	2	62	50	*	-	-	5.8		
16 Lerwick	54	1014.2	-6	SE	2	F	56	95	1	5	-	-	10	10	1013.7	+4	ESE	1	C	57	95	5	5	2	-	9	10	450	0	*	66	55	*	Tr	0.1	5.8		
17 Blacksod Point	18	1013.1	+6	WSW	3	bc	58	85	8	2	-	-	4.6	4.6	1500	1013.2	+4	WSW	3	C	59	85	8	5	5	-	4.6	9	800	1	2	65	56	*	0.5	Tr	1.6	
18 Malin Head	52	1010.1	+2	S	3	C	57	85	7	6	-	-	7.8	7.8	1500	1010.5	+2	SW	3	C	58	85	7	8	7	-	4.6	9+	1500	1	1	66	55	*	2	3	2.6	
Aldergrove	288	*	*	*	*	*	*	*	*	*	*	*	*	1012.7	+2	SW	3	C	56	95	8	5	-	4	4.6	9	800	1	*	67	54	50	4	-	*			
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	1013.0	+6	WSW	1	bc	57																			







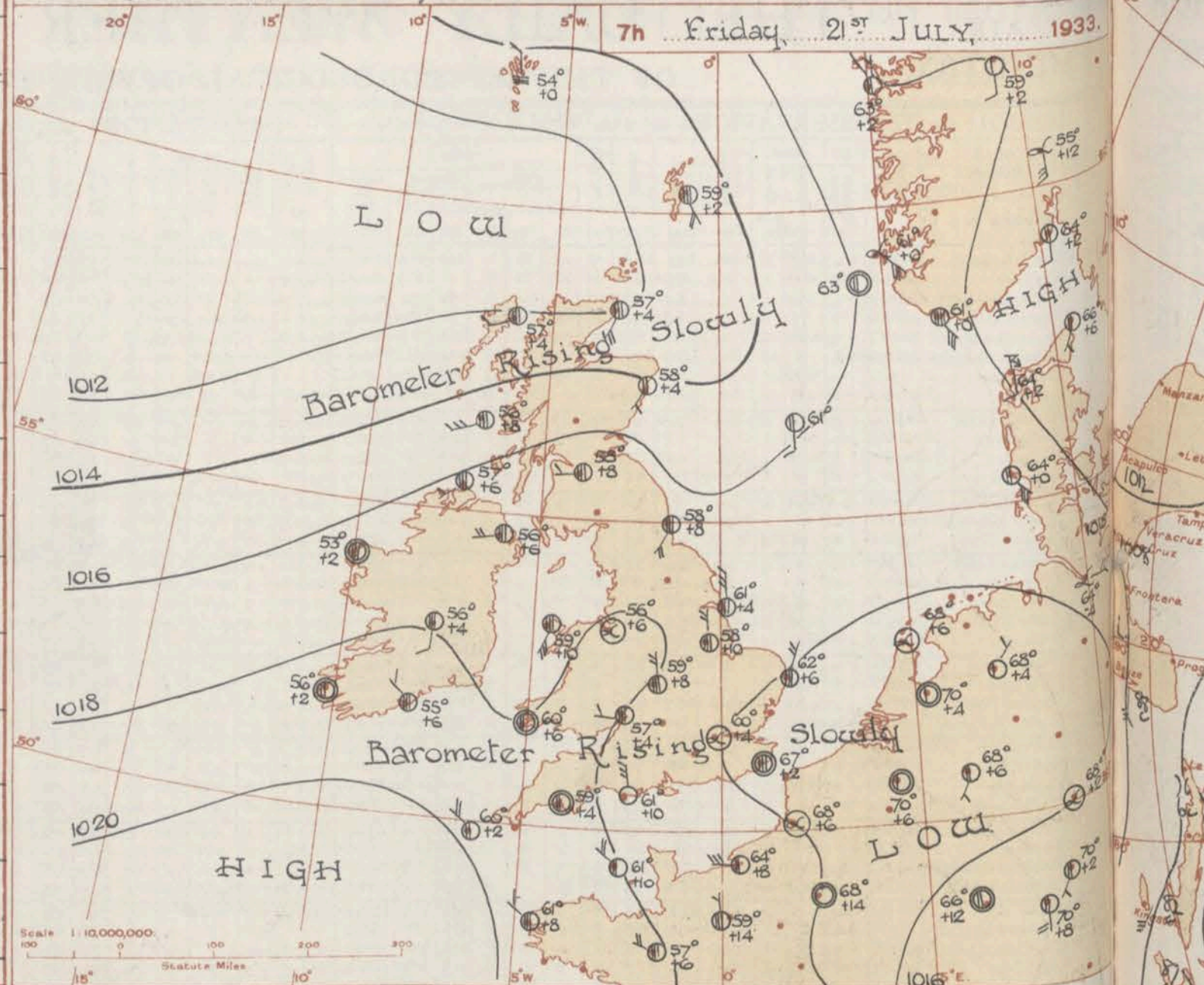
# REPORTS from HEALTH RESORTS for 20th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. to 20h.	Max. 9h. to 20h.	Night. 17h. to 20h.	Day. 9h. to 17h.	Sunrise to Sunset. 20h. 19h.	Sunrise to Sunset. 19h. 18h.
1	Tunbridge W.	bcb	bc	54	83	-	-	9.8	12.4
	Bournemouth	rb	bc	58	73	0.3	-	7.8	10.7
	Ventnor	cbeb	b	61	76	-	-	8.5	11.7
	Southsea	b	b	61	80	-	-	8.3	11.6
	Bognor Regis	bcb	b	59	77	-	-	8.9	10.9
	Littlehampton	bc	bc	58	78	-	-	8.4	10.5
	Worthing	b	b	60	77	-	-	9.2	10.9
	Brighton	bcb	bc	58	73	-	-	9.2	11.4
	Eastbourne	bcbcb	bcbcb	59	72	-	-	10.8	10.1
	Hastings	bcb	b	60	75	-	11.2	10.4	12.3
	Folkestone	bc	b	58	79	-	-	11.2	10.7
	Dover	bcbbc	b	57	79	-	-	10.4	9.7
	Deal	b	b	57	79	-	-	11.6	10.6
	Ramsgate	b	bcb	62	73	-	-	11.0	11.2
	Margate	bc	bc	62	81	-	-	10.8	11.2
2	Southend	cbe	octlr	62	76	-	15	6.7	11.5
	Maldon	corbcb	bctlr	54	79	-	2	4.3	9.4
	Clacton-on-Sea	bc	bcb	61	73	-	0.2	6.9	11.1
	Dovercourt	bcb	bcb	58	75	-	-	6.8	12.8
	Lowestoft	b	bcb	60	74	-	1	5.7	10.9
	Skegness	zbc	bc	61	76	-	-	6.0	11.1
	Mablethorpe	c	bc	58	72	-	-	6.8	9.5
	Cleethorpes	cbe	bc	60	77	0.2	-	7.0	8.4
3	Leamington S.	cbe	bcb	59	75	-	-	8.3	9.7
4	Cheltenham	bcbcb	bcb	59	72	-	-	8.6	10.1
5	Bath	b	bcb	60	72	-	-	9.2	9.8
	Weymouth	cb	b	59	75	-	-	9.2	6.3
	Jersey	bc	bcb	62	73	-	-	9.5	13.4
	Torquay	bcb	bc	57	68	-	-	8.6	6.7
	Penzance	bco	b	56	69	-	-	6.0	8.1
	St. Ives	c	b	57	65	-	-	7.3	10.1
	Bude	cbe	bcbcb	66	66	-	-	8.8	9.9
	Ilfracombe	cbeb	bcb	59	66	0.2	-	7.6	9.8
6	Aberystwyth	crc	cbeb	59	66	0.3	-	5.3	8.1
7	Llandudno	cbe	bcb	58	69	-	-	6.2	8.8
	Colwyn Bay	bcb	cbeb	62	71	-	-	6.2	?
	Rhyl	bcb	cbeb	56	68	-	-	3.6	7.7
8	Wallasey	cbe	bcb	58	68	-	-	8.7	11.5
	Southport	cbe	bcb	58	68	Tr	-	8.3	9.7
	Blackpool	cbe	bc	61	67	-	-	7.4	10.6
	Morecambe	b	b	58	68	-	-	7.3	13.8
9	Ilkley	bcb	bcb	54	72	-	-	6.4	6.4
10	Berwick-on-T.	cbe	bcb	56	70	-	-	6.3	7.9
11	Dunbar	bc	bcb	56	69	-	Tr	1.4	5.4
12	Troon	rc	crc	57	63	1	Tr	3.0	3.5
	Douglas	cbbc	cbbc	55	66	0.5	-	8.4	4.5

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th Friday, 21st JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st July, 1933.
1 S.E. England	Light variable wind, mainly north or northwest at first, westerly later; fair or fine; rather warm.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Light west to southwest wind; mainly cloudy, perhaps local drizzle later; rather warm.
7 North Wales	
8 N.W. England	
9 N. Midlands	Light variable or westerly wind; fair; rather warm.
10 N.E. England	
11 S.E. Scotland	Light west to southwest wind; fair apart from scattered showers; rather warm.
12 S.W. Scotland & Isle of Man	
13 A.W. Scotl. B.N.W. Scotl.	Light or moderate southwest wind; cloudy, some showers or drizzle; moderate temperature.
14 Mid. Scotland	
15 N.E. Scotland	As 11.
16 Orkneys and Shetlands	Light southerly wind; cloudy, local showers; moderate temperature.
17 N.W. Ireland	Light or moderate southwest wind; cloudy or dull; some drizzle; local fog later; moderate temperature.
18 N.E. Ireland	
19 S.E. Ireland	As 6 - 8.
20 S.W. Ireland	As 17.

**BAROMETER.** Isobars are drawn for intervals of two millibars.  
**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.** ( ) Clear sky ( ) Sky less than 1/8 clouded. ( ) Sky 1/8 to 1/4 clouded. ( ) Sky 1/4 to 1/2 clouded. ( ) Overcast sky. ● Rain falling. \* Snow. ★ Sleet. ▲ Hail.  
**SEA DISTURBANCE.** ~~~~~ Rough. ~~~~~ High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone off our southwest coasts is spreading east and northeast, while a depression on the northeast Atlantic shows little activity. Weather will be fair over most of England but rather unsettled elsewhere.

### FURTHER OUTLOOK.

Rather unsettled in northern districts and in Ireland and Wales; fair and warm elsewhere.

Forecasts issued at 0900 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Friday, 21st July 1933.  
No. 26,174

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 21st July														OBSERVATIONS at 7 hr. G.M.T. 21st July														PAST 24 HOURS.								
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-3	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-3	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun. 20th Hrs.						
				Direc.	Force.					Low.	Med.	High.			Low.	Total 0-10.					Height of Base (feet).	Form.	Amount.			Height of Base (feet).	Form.	Amount.	Height of Base (feet).	Max. Day 7h-12h °F.		Min. Night 12h-7h °F.	Min. on Grass °F.	Day 7h-12h mm.	Night 12h-7h mm.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1016.3	+6	W	1	C	64	85	5	-	-	8	0	7.8	-	0	*	80	55	54	0.3	-	8.1		
Croydon	217	1015.3	+2	W	1	bc	61	85	7	-	3	-	0	2-3	-	1015.9	+4	-	0	30	60	85	6	-	-	6	0	7.8	-	1	*	80	59	55	1	Tr	7.2
S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	*	1016.3	+4	W	1	C	59	85	6	-	-	3	6	0	7.8	-	0	*	79	54	4.4	0.1	Tr	9.3	
Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	+2	WNW	3	C	59	95	7	-	-	8	1	0	9	-	0	*	75	50	4.5	-	-	9.6	
Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1016.9	+2	NW	1	bc	54	95	6	5	3	9	1	4.6	5700	0	*	74	51	50	-	-	7.6		
Calshot (S'thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1016.5	+2	WNW	3	bc	58	85	6	-	-	4	6	0	4.6	-	0	1	76	52	4.9	Tr	-	7.6	
Dunegness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NE	1	C	*	*	5	5	7	*	4.6	7.8	800	*	*	77	57	*	-	-	13.5		
Lympne	346	1015.4	0	NNE	2	b	65	75	7	-	-	-	0	0	-	1015.4	+2	-	0	C	67	85	6	4	8	1	7.8	9	7200	0	*	78	61	57	-	-	6.0
2 Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1015.7	+6	N'E	1	C	65	95	5	8	-	-	7.8	7.8	5700	1	*	76	60	53	6	0.5	6.0		
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1015.6	+10	NNE	2	C	62	95	6	8	2	-	7.8	9	4000	0	0	73	59	57	Tr	0.5	6.0		
Grleston	5	1015.7	+2	-	0	C	61	95	6	-	2	-	0	10	-	1016.0	+6	NE'N	2	C	62	95	6	9	-	9+	9+	1500	1	1	69	58	55	2	14	4.6	
Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	+10	NNW	2	C	58	85	6	-	-	7	-	0	9+	-	0	*	75	54	52	-	-	9.5	
3 Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	+8	NNW	2	C	59	75	6	8	7	-	7.8	9	4000	1	*	73	57	52	-	-	10.2		
Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1017.2	+6	N	4	30	57	85	6	7	7	8	4.6	9	4000	0	*	76	55	52	-	-	9.5		
4 Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1017.7	+4	W	1	C	57	85	8	5	-	-	9+	9+	4000	0	*	73	54	50	-	-	10.2		
5 Portland Bill	32	1016.7	+6	NNW	3	bc	59	85	8	4	-	-	2-3	2-3	2500	1017.3	+10	NNW	3	b	61	85	8	-	-	0	0	-	0	2	69	56	*	-	-	11.5	
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1018.5	+4	-	0	bc	59	85	7	8	-	-	9	2.3	2.3	4000	0	0	69	53	50	-	-	11.5	
The Lizard	240	1019.2	+2	-	0	bc	56	95	8	7	-	1	4-6	4-6	4000	1019.9	+2	W'N	1	bc	59	85	8	2	7	4	1	4.6	4000	0	1	68	53	*	-	-	6.3
Scilly (St. Mary's)	163	1019.2	0	NW	2	C	58	85	8	5	-	-	7-8	7-8	4000	1019.7	+2	NW'N	2	bc	60	85	8	2	-	3	2.3	4.6	4000	0	1	68	56	*	-	-	11.4
Guernsey	175	1016.9	-2	WNW	1	b	58	95	8	-	-	-	0	0	-	1018.7	+10	NW'N	2	bc	61	85	8	1	1	-	1	2.3	2500	0	2	69	56	51	-	-	6.3
6 Pembroke	142	1017.6	+4	W	1	C	58	85	8	7	6	1	4.6	7.8	4000	1018.0	+6	-	0	bc	60	95	8	7	6	-	2.3	2.3	5700	0	1	64	56	*	-	-	3.6
7 Holyhead	26	1016.6	0	S	2	bc	57	95	8	5	-	8	2-3	4-6	7200	1017.7	+10	SW'S	3	C	59	95	6	5	7	-	7.8	9+	4000	0	1	66	57	52	-	-	8.6
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	+6	-	0	30	56	95	6	-	7	-	0	9+	-	0	*	69	49	45	Tr	-	10.0		
8 L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	1018.4	0	-	0	C	59	85	9	5	7	-	7.8	9+	2500	0	*	66	56	54	-	-	9.3		
9 Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1017.5	+6	SW	1	C	58	85	8	-	7	2	0	9	-	0	*	70	51	46	-	-	8.0		
10 Spurn Head	29	1015.5	+2	NW	5	bc	61	85	7	5	2	-	2-3	4-6	4000	1016.7	+4	N	3	C	61	85	7	5	3	8	2.3	7.8	4000	0	2	77	58	*	-	-	11.8
Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1017.5	+6	-	0	C	56	85	8	-	7	7	0	10	-	0	*	71	48	45	-	-	*		
Tynemouth	100	1015.7	-4	W	2	bc	57	85	7	1	-	-	2-3	2-3	2500	1016.3	+8	SW	2	C	58	85	5	5	-	-	7.8	7.8	1500	0	1	71	56	54	-	-	*
11 Inchkeith	190	1015.0	+2	WSW	3	C	56	95	8	4	7	-	4-6	7-8	1500	1016.1	+6	WSW	3	bc	55	95	8	4	4	4	2.3	4.6	2500	0	2	66	54	51	Tr	Tr	3.6
Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1016.1	+6	WSW	3	bc	59	75	9	5	-	3	1	2.3	5700	0	*	68	52	47	Tr	Tr	4.6		
12 Renfrew (Abbotts)	18	*	*	*	*	*	*	*	*	*	*	*	*	1016.3	+8	WSW	1	C	58	85	8	8	-	-	9+	9+	2500	1	*	67	50	43	Tr	Tr	4.5		
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1017.4	+10	-	0	C	52	85	9	5	7	1	4.6	9	4000	1	*	62	48	44	2	Tr	0.4		
13a Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1015.2	+8	WSW	3	C	58	85	8	5	7	-	4.6	7.8	2500	1	2	63	55	54	3	1	4.1		
13b Stornoway	34	*	+6	SW	1	C	56	95	8	9	7	-	4-6	7-8	1500	1016.0	+4	WSW	1	C	57	95	7	9	7	-	4.6	7.8	1500	1	0	60	56	*	3	2	2.6
15 Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+12	W	2	C	53	95	7	4	4	-	7.8	10	1500	1	*	64	51	4.4	3	2	8.6	
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1014.7	+4	SW	1	bc	58	85	8	8	3	6	1	4.6	5700	1	0	71	52	4.8	-	-	4.1		
Wick	81	1011.6	-2	S	1	C	56	95	8	8	1	8	4-6	9	1500	1011.9	+4	SW	2	C	57	95	8	5	4	1	4.6	7.8	2500	0	2	63	50	*	-	0.1	0.0
16 Lerwick	54	1013.5	0	SSE	3	bc	57	95	7	5	4	1	2-3	4-6	800	1013.7	+2	SSE	2	C	59	95	5	5	7	-	4.6	9	450	0	*	60	57	*	0.3	Tr	0.0
17 Blacksod Point	18	1016.8	+6	WSW	2	C	57	85	8	8	-	-	7-8	7-8	800	1017.0	+2	-	0	C	58	85	9	5	-	-	7.8	7.8	1500	0	1	62	55	*	-	Tr	2.6
18 Malin Head	52	1015.5	+2	SW	3	C	57	85	7	8	-	-	9+	9+	2500	1016.6	+6	SW	1	C	57	95	7	8	-	9+	9+	1500	0	0	62	64	*	1	Tr	2.5	
Aldergrove	298	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	+6	WSW	2	C	56	85	9	8	7	-	9	9+	2500	0	*	64	54	50	-	-	4.1		
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	1017.0	+10	-	0	C	57	95	8	5	-	-	7.8	7.8	1500	0	0	66	54						

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.																							
Day 7h—12h, Kew & Croydon. 9h—12h, Kensington. 9h—21h, other stations, except Greenwich & Hampstead rainfall, 9h—12h.												The barometric tendency is expressed in tenths of a millibar.												COLUMNS 8, 22.—Code for surface visibility. Objects not visible											
Height above M.S.L. in feet.												COLUMNS 2, 16.												0 Dense fog 55 yards.											
Weather												The BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.												1 Thick fog 220 "											
Temperature.												COLUMNS 4, 18.												2 Fog 550 "											
Rainfall.												Past 24 Hours.												3 Moderate fog 1,100 "											
Sun- shine to Sunset hrs.												Max. Time. Min. Time.												4 Mist or haze 1 1/2 miles.											
Humidity.												Kew Observatory.												5 Poor visibility 2 1/2 "											
Atmospheric Pollution.												Max. Time. Min. Time.												6 Moderate " 8 1/2 "											
Milligrams of Solid Impurity per cubic metre.												0.2 9h 20h <0.1 19h 21st												7 Good " 12 1/2 "											
24 hrs. ended 7h. G.M.T. 21st												Beau- fort No.												8 Very good " 31 "											
SOUTH KENSINGTON.												Statute m/h.												9 Excellent " beyond 31m.											
Max. Time. Min. Time.												Beau- fort No.												0 Calm. 5 Very rough.											
1.0 8-10h Nil 14-20h 20h												Statute m/h.												1 Smooth. 6 High.											
Kew Observatory.												Beau- fort No.												2 Slight. 7 Very high.											
Max. Time. Min. Time.												Statute m/h.												3 Moderate. 8 Precipitous.											
0.2 9h 20h <0.1 19h 21st												Beau- fort No.												4 Rough. 9 Confused.											
Statute m/h.												Beau- fort No.												COLUMNS 34, 35.											
Statute m/h.												Beau- fort No.												Tr. = rain has fallen, but amount less than 0.1 mm.											
Statute m/h.												Beau- fort No.																							
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# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 21st July														OBSERVATIONS at 18h. G.M.T. 21st July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Barom. at m.b.	Change in 3 hours.	Wind. Dir. Force.	Weather.	Temp. °F.	Humid. %	Visibility 0-3.	Cloud.						Barom. at m.b.	Change in 3 hours.	Wind. Dir. Force.	Weather.	Temp. °F.	Humid. %	Visibility 0-3.	Cloud.						State of Ground. 0-9.	Sea. 0-9.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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																																				(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	Th.—13h. 21st	13h.—18h. 21st	18h.—21st 22nd	Th.—Th. 21st																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1	London (Kew)...	1016.0	-10	NE	2	C	76	55	7	5	-	9	9	2500	1015.9	0	N	3	C	75	55	6	8	-	-	7.8	7.8	4000	0	*	c3c	c c3c	c3c	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc



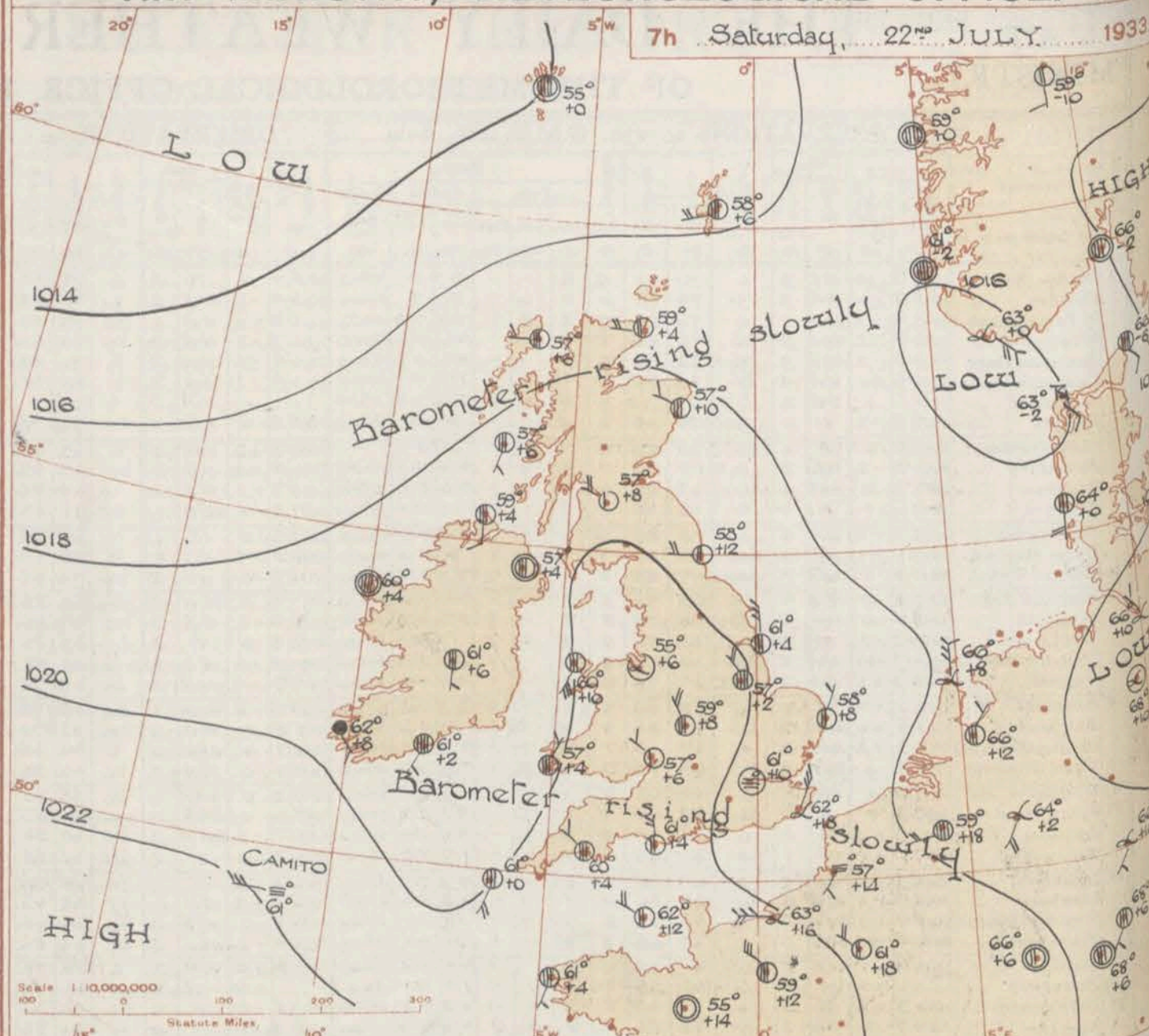
# REPORTS from HEALTH RESORTS for 21st July 1933.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7th Saturday, 22nd JULY 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 9h. to 21st.	Max. 9h. to 21st.	Night. 17h. to 21st.	Day. 9h. to 21st.	Sunrise to 17h. 21st.	Sunrise to Sunset. 21st.
1 Tunbridge W.	bcc	bc	56	79	0.3	-	8.0	10.7
Bournemouth	b	b	54	76	-	-	8.8	9.8
Ventnor	bc	b	57	69	-	-	10.7	10.4
Southsea	b	b	57	77	-	-	10.4	10.1
Bognor Regis	bcc	b	57	71	-	-	10.9	10.4
Littlehampton	b	b	58	69	-	-	10.7	10.2
Worthing	b	b	61	70	-	-	10.9	10.7
Brighton	bc	bc	60	71	-	-	10.0	10.7
Eastbourne	bc	b	62	72	-	-	10.3	12.3
Hastings	bc	bc	63	76	-	-	8.9	12.1
Folkestone	bc	bc	63	74	-	-	7.8	12.6
Dover	cbcc	bcc	62	71	-	-	7.5	11.3
Deal	abc	b	61	77	-	-	8.0	11.8
Ramsgate	bc	bc	66	72	-	-	8.4	11.3
Margate	bc	bc	64	74	-	-	9.4	11.0
2 Southend	cbcc	bc	61	74	2	-	6.3	6.7
Maldon	cbe	bcc	61	78	-	-	4.8	5.2
Clacton-on-Sea	cpe	cbcc	61	71	4	-	6.5	7.1
Dovercourt	pbc	bc	61	72	1	-	7.0	7.0
Lowestoft	tlroc	tlrbc	58	70	1	5	2.8	5.7
Skegness	3.3c	bcc	55	67	-	-	3.4	7.8
Mablethorpe	c	c	53	67	-	-	2.5	8.6
Cleethorpe	c	cr, o	57	69	-	Trace	2.8	8.0
3 Leamington S.	c	q	58	74	-	-	4.3	9.0
4 Cheltenham	cbcc	bcc	55	74	-	-	7.7	10.3
5 Bath	b	bc	55	78	-	-	9.2	11.4
Weymouth	b	b	54	73	-	-	10.3	10.7
Jersey	bc	bc	58	67	-	-	11.3	12.2
Torquay	by	bc	53	72	-	-	11.7	9.8
Penzance	cb	b	55	69	-	-	10.2	7.9
St. Ives	b	b	55	65	-	-	9.8	7.5
Bude	b	bc	(56)	66	-	-	11.8	9.2
Ilfracombe	b	b	57	66	-	-	11.2	9.7
6 Aberystwyth	bcc	bc	53	67	-	-	10.0	7.7
7 Llandudno	cbe	cbcc	54	66	-	-	4.1	7.6
Colwyn Bay	cbcc	bc	51	67	-	-	4.0	?
Rhyl	c	cbcc	51	66	-	-	2.4	5.8
8 Wallasey	c	bc	57	68	-	-	4.9	11.5
Southport	ocbc	b	54	70	0.1	-	4.7	11.0
Blackpool	c	bc	54	69	-	-	3.9	9.9
Morecambe	cbcc	b	54	68	-	-	4.1	10.3
9 Rikley	bcc	pr, bc	49	72	-	Trace	1.9	9.3
10 Berwick-on-T.	bcc	cbe	55	69	-	-	5.8	6.3
11 Dunbar	bc	bc	55	70	-	-	4.8	1.8
12 Troon	cbc	cbc	54	63	-	-	6.9	3.3
Douglas	cbcc	bc	56	68	-	-	7.0	8.7

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd July, 1933.
1 S.E. England	Light variable wind; fine or fair; warm.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light variable or southwest to west wind; cloudy, perhaps local drizzle; rather warm.
6 South Wales	
7 North Wales	
8 N.W. England	As 1 - 4.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Light southwest wind; cloudy, local drizzle; moderate or rather high temperature.
12 S.W. Scotland & Isle of Man	
13 A.W. Scotl. B.N.W. Scotland	Light west or southwest wind; mainly fair; moderate or rather high temperature.
14 Mid-Scotland	
15 N.E. Scotland	Light variable to westerly wind; cloudy, local drizzle; moderate temperature.
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars.  
**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS.** ( ) Clear sky. ( ) Sky less than 1/2 cloudy. ( ) Sky 1/2 to 3/4 cloudy. ( ) Overcast sky. ● Rain falling. \* Snow. \* Sleet. \* Haze.  
**SEA DISTURBANCE.** ~~~~~ Rough. ~~~~~ High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**  
 Pressure is high to southwest of the British Isles. A low pressure area to the south and southwest of Iceland shows no sign of activity, while a shallow trough of low pressure over Ireland is filling up. Apart from local drizzle in the West weather will be fair.

**FURTHER OUTLOOK.**  
 Rather unsettled in the West and Northwest; fair elsewhere.

Forecasts issued at 0915 G.M.T.  
 G. C. SIMPSON, C.B., D.Sc., F.R.S.  
 Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Saturday, 22nd July 1933.  
No. 26,175

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 22nd July														OBSERVATIONS at 7 hr. G.M.T. 22nd July														PAST 24 HOURS.															
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.			Height of Base (feet).	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun.												
				Direc.	Force.					Form.	Amount.	Form.				Amount.	Height of Base (feet).					Direc.	Force.	Form.			Amount.	Height of Base (feet).	Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass of.		Day 7h-18h mm.	Night 18h-7h mm.										
																																			Low.	Med.	High.	Low.	Total.	Low.	Med.	High.	Low.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)									
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+14	-	0	b.	63	85	5	-	-	-	0	0	-	0	*	80	58	49	-	-	7.5									
Croydon ...	217	1018.1	-2	*	3.	61	98	5	5	-	-	10	10	450	1019.6	+10	-	0	b/f	61	95	4	4	-	-	Tr	Tr	4000	1	*	78	59	53	-	-	5.1								
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	+10	-	0	b.	59	85	6	-	-	-	0	0	-	0	*	81	51	44	-	-	8.5									
Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	+10	-	0	b.	53	95	6	-	-	-	0	0	-	0	*	76	53	45	-	-	12.1									
Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	+10	-	0	c	57	95	5	-	-	9	0	7.8	-	0	0	74	53	51	-	-	10.1									
Calshot (S'thmtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	1019.6	+10	WNW	2	b3	60	85	5	-	-	-	0	0	-	0	1	74	55	52	-	-	12.7									
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	+10	NNE	1	c	*	*	6	5	-	-	9	9	2500	0	0	73	56	*	-	-	8.9									
Lymington ...	346	1018.1	0	NNE	2	1	60	95	6	5	-	-	4.6	4.6	2500	1019.7	+18	NE	3	bc3	62	95	6	5	6	-	4.6	9	800	0	*	77	59	54	-	-	8.9							
2 Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	+16	NNE	1	b.	62	85	6	-	-	-	0	0	-	0	*	76	55	48	-	-	8.1									
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	1019.5	+10	N	1	b.	61	85	6	-	-	-	0	0	-	0	0	71	56	54	1	-	6.4									
Gorleston ...	5	1018.2	0	-	0	b	57	98	6	-	-	-	0	0	-	1019.4	+8	NNE	1	b	58	85	6	-	1	-	2.3	-	0	1	67	54	50	6	-	0.4								
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+8	NNW	2	c	57	85	6	5	-	-	10	10	5700	0	*	72	52	53	-	-	2.5									
3 Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	+8	NNW	2	c3	59	75	5	5	-	-	7.8	7.8	5700	0	*	72	55	48	-	-	4.5									
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+8	N	2	bm	59	85	4	-	-	7	0	1	0	0	*	74	54	48	-	-	8.9									
4 Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+6	NW	1	bc	57	85	8	1	-	-	Tr	1	4000	0	*	76	51	44	-	-	8.9									
5 Portland Bill ...	32	1019.6	0	NNW	2	b	61	98	8	-	-	-	0	0	-	1020.6	+4	NNW	2	bc	61	85	8	4	4	-	2.3	4.6	2500	0	2	65	60	*	-	-	14.5							
Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	1020.7	+4	NW	1	c	60	85	7	7	5	-	4.6	7.8	2500	0	0	70	55	50	-	-	3.1									
The Lizard ...	240	1020.9	0	-	0	0	59	98	8	5	-	-	10	10	4000	1021.0	+2	-	0	61	95	8	5	-	-	10	10	4000	0	1	67	57	*	-	-	10.0								
Scilly (St. Mary's) ...	183	1020.7	-2	SSW	2	c	60	98	8	5	-	-	9	9	4000	1020.0	+0	SSW	2	c/p	61	95	6	5	-	-	9+	9+	2500	0	1	66	59	*	0.1	0.1	10.7							
Guernsey ...	175	1020.2	-2	N	2	b	59	98	7	-	-	-	0	0	-	1021.1	+12	NW	2	bc	62	85	7	8	3	-	4.6	4.6	2500	0	2	66	58	54	-	-	10.7							
6 Pembroke ...	142	1020.1	+2	-	0	bc	57	98	7	5	-	-	2.3	2.3	2500	1019.8	+4	NE	1	c	57	95	7	8	7	-	4.6	7.8	2500	0	1	65	54	*	-	-	13.4							
7 Holyhead ...	26	1019.1	0	SW	1	c	58	98	7	5	-	-	9+	9+	4000	1020.0	+10	SSW	3	c	60	85	9	5	-	-	9	9	5700	0	0	64	58	57	-	-	2.1							
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	+6	-	0	b3	55	85	6	5	-	-	Tr	Tr	4000	0	*	68	42	39	-	-	6.7									
8 L'pool (Bidston) ...	198	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	+2	-	0	b.	59	85	8	-	-	-	0	0	-	0	*	66	56	52	-	-	6.7									
9 Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	1020.1	+6	SW	1	b.	60	75	9	-	4	-	0	Tr	-	0	*	69	50	45	-	-	3.6									
10 Spurn Head ...	29	1018.5	0	W/S	3	bc	61	98	7	-	-	-	0	2.3	-	1019.3	+4	N	3	c	61	85	6	5	7	-	4.6	9	2500	0	2	69	58	*	-	-	3.4							
Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	1020.2	+10	SE	2	b.	57	85	8	-	-	-	0	0	-	0	0	71	45	39	Tr	-	3.4									
Tynemouth ...	100	1017.3	0	W	3	bc	56	98	7	2	-	-	2.3	2.3	2500	1019.0	+12	W	2	bc	58	85	6	5	-	-	2.3	2.3	800	0	1	66	54	50	Tr	-	13.2							
11 Inchkeith ...	190	1018.1	+8	SW	2	bc	53	98	7	5	-	-	4.6	4.6	1500	1019.4	+10	SW	2	bc	53	95	7	4	-	-	2.3	2.3	2500	0	1	65	52	49	-	-	8.4							
Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	1018.9	+8	W	3	bc	57	85	9	5	3	2	Tr	2.3	2500	0	*	63	47	39	Tr	-	4.6									
12 Renfrew (Abbotts) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	+8	WN	2	bc	57	85	8	-	3	-	0	1	-	0	*	65	46	40	-	-	8.0									
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	+6	-	0	c	54	85	8	5	7	-	4.6	9+	4000	1	*	67	44	39	-	-	0.9									
13a Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1019.5	+6	SSW	1	c	57	95	8	5	-	-	9	9	4000	0	1	62	47	37	1	-	1.0									
13b Stornoway ...	34	*	+4	W	2	pr	56	98	6	5	-	-	10	10	800	1019.5	+6	W	1	c	57	85	8	8	4	1	4.6	7.8	1500	1	1	64	55	*	5	2	6.3							
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+4	-	0	c	55	75	8	4	4	-	4.6	10	2500	0	*	67	50	48	Tr	-	3.1									
Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	1017.6	+4	WNW	1	c	57	85	8	8	-	-	9	9	2500	1	1	69	52	49	2	0.3	6.9									
Wick ...	81	1016.3	+6	NNE	1	c	56	98	8	8	7	-	7.8	9+	1500	1017.6	+4	W	2	bc	59	85	8	7	6	-	4.6	4.6	2500	1	2	63	53	*	5	2	6.9							
16 Lerwick ...	54	1015.1	+6	-	0	bc	55	98	7	5	-	-	4.6	4.6	800	1015.4	+6	WSW	2	c	58	95	8	8	3	-	4.6	7.8	1500	0	*	64	55	*	-	-	6.9							
17 Blacksod Point ...	18	1019.0	+2	-	0	c	58	85	8	5	-	-	9	9	1500	1018.9	+4	-	0	0	60	95	7	5	-	-	10	10	450	1	0	64	57	*	-	Tr	6.1							
18 Malin Head ...	52	1018.7	0	S	1	c	58	98	9	8	-	-	9+	9+	2500	1019.1	+4	S	1	c	59	75	9	5	2	-	9	9+	2500	0	0	62	56	*	-	-	1.7							
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	+4	-	0	c3	59	85	7	5	-	-	9+	9+	4000	1	*	68	56	53	-	-	1.7									
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	+6	-	0	bc	57	85	8	5	-	-	9	9	1500	0	0	65	52	*	-	-	1.2									
19 Bir																																												

LONDON OBSERVATIONS.										EXPLANATION OF FIGURES, LETTERS, etc.				
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STATIONS.	OBSERVATIONS at 13h. G.M.T. 22nd July														OBSERVATIONS at 18h. G.M.T. 22nd July														PAST 24 HOURS.								
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				State of Ground. 0-9	Sea. 0-9	WEATHER.										
			Direc.	Force.					Form.	Amount.	Form.	Amount.			Form.	Amount.					Form.	Amount.	Th.-13h. 22nd	13h.-18h. 22nd			18h. 22nd to 1h. 23rd	1h.-7h. 23rd									
																													Low.	Med.	High.	Low.	Total	Low.	Total	Low.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)				
1 London (Kew)...	1020.2	-2	SSW	2	c	75	55	6	8	-	-	7.8	7.8	4000	1020.1	0	SW	3	bc	75	65	7	8	-	-	4.6	4.6	4000	0	*	bc3.4	c3.4bc	bc	bcm.			
Croydon	1019.8	0	-	0	c	75	45	7	8	3	-	7.8	7.8	4000	1020.1	+2	SSW	3	bc	73	65	7	8	-	-	4.6	4.6	4000	0	*	bm.4cy	cbccy	bcm.	ocm.			
S. Farnborough	1019.9	-2	SW	1	pr	74	55	7	9	8	-	9	9	4000	1020.3	+2	SW	2	pr	71	75	7	9	3	-	7.8	7.8	4000	0	*	bc3.0	cpr.6c	bcbw	bwcbe			
Winchester	1020.2	-2	SSW	3	3	73	65	7	3	-	-	7.8	7.8	2500	1020.7	+6	S'W	3	b	71	65	8	1	-	-	1	1	2500	0	*	bbcc3.0	cbe	b3.0	b3.0			
Boscombe Down	1019.9	-2	SW	1	bc	75	55	6	2	-	-	4.6	4.6	4000	1020.3	+4	W'N	3	bc	73	65	7	8	-	-	4.6	4.6	4000	0	*	bc3.0	bc3.0cy	bc	bcm.			
Calshot, S'thmtn	1020.7	+2	SSW	3	bc	75	55	6	7	-	-	4.6	4.6	4000	1020.9	+2	SW'S	3	b	68	65	7	-	-	-	0	0	-	0	1	b3.0	b3.0	bm.	bm.			
Dungeness	*	*	E'S	2	b	*	*	7	5	-	-	1	1	2500	*	*	ESE	1	b	*	*	6	1	7	*	1	1	4000	0	0	b	b	bc	bc			
Lympe	1020.5	+6	SE'E	3	b	71	55	7	1	-	-	1	1	4000	1021.3	+2	SE	2	b	66	65	7	-	-	-	0	0	-	0	*	c3.0bc	byb	b-cy	cbccm			
2 Shoeburyness	1020.9	+8	ESE	3	bc	70	65	8	4	5	-	1	2.3	4000	1021.0	-2	E'S	2	bc	68	65	8	-	7	8	0	2.3	-	0	*	bm.6	b3.0	b3.0	b3.0			
Felixstowe	1020.8	+4	E	2	bc	69	55	8	6	-	-	4.6	4.6	4000	1021.2	+2	ESE	1	b	68	65	9	2	-	-	1	1	4000	0	0	b3.0cy	bc3.0	b3.0	b3.0			
Gorleston	1020.4	+6	E'S	1	c	66	75	6	2	7	-	2.3	7.8	2500	1020.8	+4	NNE	2	bc	65	75	7	-	3	-	0	4.6	-	0	1	b3.0	bc	bc	bc			
Cranwell	1020.8	0	SWW	1	c	71	65	6	7	-	-	9+	9+	4000	1020.8	0	ESE	2	bc	71	65	6	7	-	-	2.3	2.3	4000	0	*	m.c3.0	c3.0bc	b3.0	bm.0			
3 Birmingham	1020.3	0	NW	2	cjp	70	55	7	4	-	-	7.8	7.8	4000	1020.9	+2	WNW	3	bc	73	55	8	1	4	-	1	2.3	4000	0	*	bc	bc	b	b			
Upper Heyford	1020.1	+2	S	2	3	74	65	6	7	-	-	7.8	7.8	4000	1020.2	+2	N	2	3	74	65	6	7	-	-	4.6	4.6	4000	0	*	b3.0bc	bc3.0	b3.0	bm.0			
Ross-on-Wye	1019.9	0	W	2	bc	75	55	8	1	-	-	2.3	2.3	4000	1020.3	0	NW	2	3	74	55	7	7	-	-	1	1	4000	0	*	b3.0	b3.0	b3.0	bm.0			
4 Portland Bill	1020.9	+8	NNW	3	b	65	55	7	-	-	-	0	0	-	1021.2	+6	NNW	3	b	64	85	7	-	-	-	0	0	-	0	2	cbc	b	b	b3.0			
Plymouth	1021.4	+2	S	3	c	67	75	8	7	3	-	4.6	7.8	4000	1021.6	+2	S	2	bc	65	85	8	5	-	-	4.6	4.6	4000	0	2	cbc	bc	b3.0	b3.0			
The Lizard	1022.0	+2	E	1	m	63	95	4	5	-	-	10	10	800	1022.0	+2	E	1	c	64	85	7	4	6	-	4.6	7.8	2500	0	1	omd.	omc	com	omo			
Scilly (St. Mary's)	1021.2	+8	W	1	m	67	95	4	5	-	-	9+	9+	800	1022.1	+4	N	1	c	65	95	7	5	-	-	9+	9+	4000	0	0	cidim	cim	coffe	oimc			
Guernsey	1022.2	+10	NW	1	c	67	75	7	8	-	-	7.8	7.8	2500	1021.7	0	-	0	bc	66	75	7	4	-	-	4.6	4.6	4000	0	1	b3.0	bc	bc	co			
5 Pembroke	1021.8	+6	SSW	1	c	64	85	7	4	6	1	4.6	7.8	4000	1021.9	+4	NW	1	3	65	85	6	5	4	-	2.3	4.6	4000	0	1	cbcc	c3.0bc3.0	b	bwbc			
Holyhead	1021.5	+8	SWW	3	bc	68	65	8	4	3	-	2.3	2.3	4000	1022.1	+2	NW	2	b	63	75	8	4	-	-	1	1	4000	0	0	cbc	bc3.0	bw	bwbc			
Chester (Sealand)	1021.4	+2	WNW	2	bc	71	45	7	1	3	-	2.3	2.3	5700	1022.1	+4	NNW	2	b	69	55	8	-	-	-	0	0	-	0	*	bm.0cy	bc3.0	bw	bm.0			
L'pool (Bidston)	1021.6	+4	NNW	2	b	67	55	9	1	-	-	7.8	7.8	4000	1022.4	0	NNW	2	b	66	65	9	-	-	-	0	0	-	0	0	bbcy	b3.0	bw	bm.0			
6 Harrogate	1020.4	0	-	0	c	69	55	9	5	-	-	9	9	5700	1021.1	+6	SW	1	c	68	65	8	5	-	-	9+	9+	5700	0	*	bbcc	c	cb	b			
Spurn Head	1020.7	+4	E'S	3	c	66	75	8	-	6	-	0	7.8	-	1021.2	+2	SSE	3	bc	64	85	7	5	7	-	2.3	4.6	4000	0	1	c	cbc	bc	bcw			
Catterick	1020.2	+2	NW	3	c	70	55	8	7	-	-	9+	9+	4000	1020.9	+6	WNW	3	c	70	55	8	8	3	-	4.6	7.8	4000	0	*	bbccy	cy	bc3.0	bcw			
Tynemouth	1020.1	+8	E	1	bc	65	75	8	2	-	-	4.6	4.6	2500	1021.3	+10	E	1	c	62	75	7	9	-	-	7.8	7.8	1500	0	1	bc	b3.0	bc3.0	bc			
7 Inchkeith	1020.0	+6	SW	2	c	63	95	8	5	-	-	9+	9+	2500	1020.5	-2	WSW	1	bc	69	75	8	1	-	-	2.3	2.3	4000	0	0	b3.0	bc3.0	bc	bc3.0			
Leuchars	1019.6	+6	SE	1	c	67	55	9	7	-	-	7.8	7.8	4000	1020.0	+4	S	4	bc	67	55	8	7	-	-	2.3	2.3	4000	0	*	bbccy	bc3.0	bc	bc3.0			
Renfrew (Abbotts)	1020.3	+6	W'N	3	c	68	55	8	7	-	-	7.8	7.8	5700	1020.8	+2	W	2	bc	69	55	8	7	-	-	2.3	2.3	4000	0	*	bbccy	bc3.0	bc	bc3.0			
Eskdalemuir	1019.8	+6	W	3	c	68	65	8	5	-	-	9	9	4000	1021.2	+4	WNW	3	c	65	65	8	7	-	-	7.8	7.8	4000	1	*	b3.0	c	bc	bc			
8 Tiree	1020.8	+8	SSW	1	bc	65	65	9	1	3	8	1	2.3	4000	1021.6	+4	SW	2	c	61	75	9	7	5	-	4.6	7.8	4000	0	1	cbc	b3.0	c	cw			
Stornoway	1020.8	+4	WSW	2	c	61	75	8	7	-	-	7.8	10	1500	1021.6	+4	WSW	2	c	63	75	8	8	7	-	7.8	10	1500	1	1	c	c	c	cido			
9 Dalwhinnie	1020.7	+4	W	2	c	62	65	8	4	1	-	4.6	9	2500	1021.2	+4	W	2	c	63	55	8	4	1	-	4.6	10	2500	0	1	c	c	c	c			
Aberdeen	1019.9	+8	SE	2	c/pr	62	65	8	8	-	-	9+	9+	2500	1020.5	+4	S	3	bc	65	65	8	8	-	-	2.3	2.3	2500	0	1	cpr.	bc3.0	b3.0	b3.0			
Wick	1019.2	+10	W	2	c/pr	60	85	8	8	1	-	7.8	9+	1500	1020.4	+8	S	1	c	58	95	8	8	1	-	7.8	9+	1500	1	2	bccpr	c	c	b3.0			
10 Lerwick	1016.9	0	W'S	2	c	60	85	9	8	-	-	4.6	7.8	1500	1017.9	+8	W'S	3	bc	59	85	8	8	-	-	4.6	4.6	1500	0	*	c	cbc	b3.0	cpr			
11 Blacksod Point	1020.7	+12	S	1	ir.	65	85	7	5	-	-	10	10	800	1021.6	+12	W	3	c	63	85	8	8	5	-	4.6	9	800	0	2	c	cbc	id.	id.			
Malin Head	1020.8	+8	E	1	c	62	85	7	5	7	-	2.3	9+	2500	1021.6	+4	-	0	c	62	85	6	8	1	-	9	10	1500	1	0	c	c	c	c			
Aldergrove	1020.9	+4	W	1	3	69	65	7	7	-	-	9+	9+	4000	1021.6	+2	SSE	1	3	67	75	7	5	2	-	7.8	10	4000	0	*	c3.0	c	c	c			
Donaghadee	1020.7	+6	ESE	1	c	62	85	8	5	-	-	9	9	1500	1021.9	+6	-	0	c	66	75	7	5	-	-	9	9	1500	0	0	c	c	c	c			
12 Birr Castle	1020.6	+10	SE	1	c	71	65	8	5	-	-	9+	9+	2500	1021.5	+4	S	1	c/pr	69	75	8	5	-	-	10	10	2500	0	*	c	c	c	c			
Valentia Obay.	1021.7	+14	SWW	3	c	64	95	7	5	-	-	9+	9+	<150	1023.5	+12	NW'W	3	c	61	95	8	5	-	-	9+	9+	<150	0	1	c	c	c	c			
13 Roches Point	1021.8	+10	SE	1	c	65	85	8	5	-	-	7.8	7.8	2500	1022.2	+10	SE	1	c	66	85	8	5	-	-	9	9	2500	0	1	oc	c	c	c			

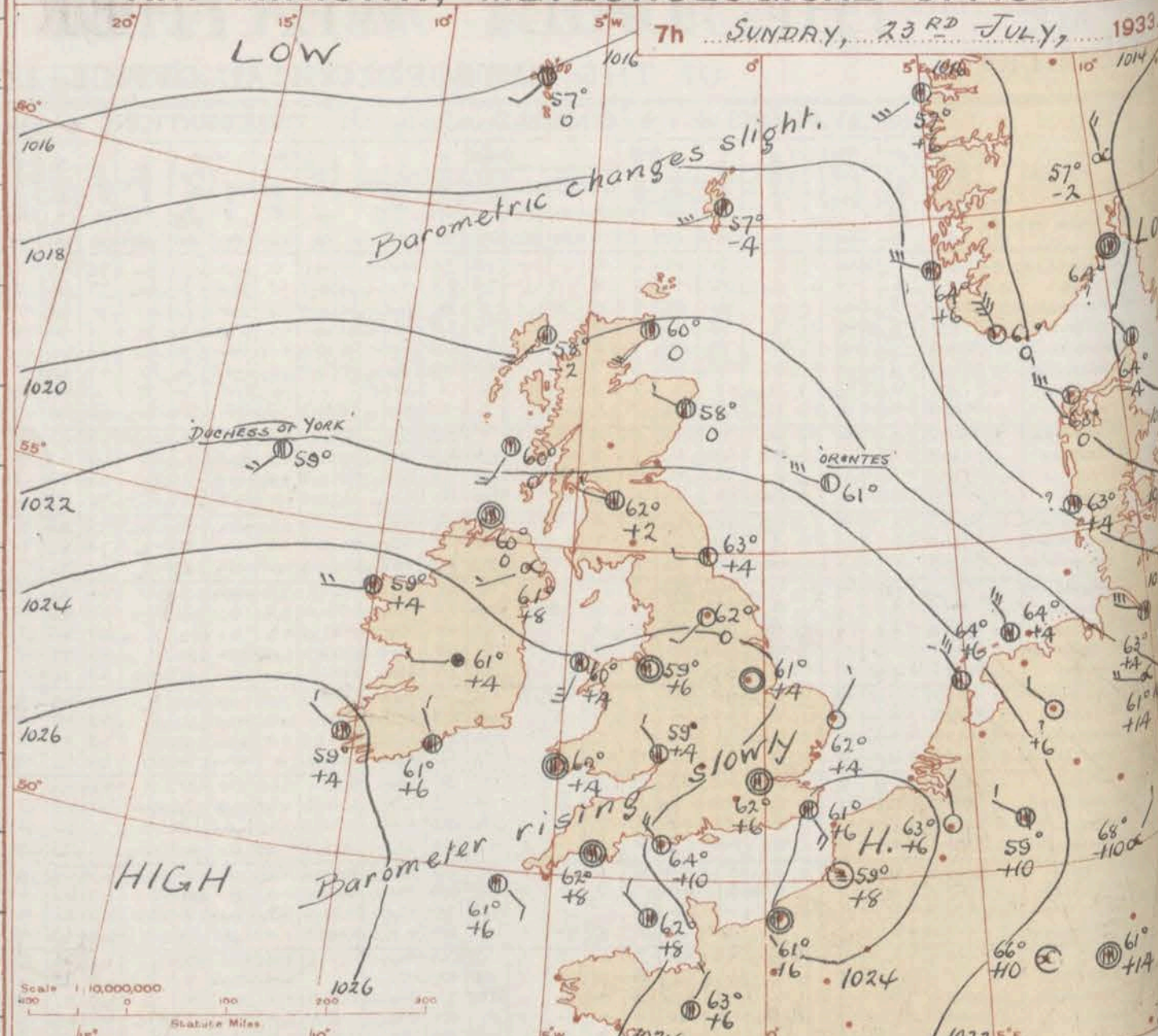


# REPORTS from HEALTH RESORTS for 22nd July, 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. to 9h.	Max. 9h.-17h.	Night. 17h.24h.	Day. 9h.-17h.	Sunrise to 17h.	Sunrise to Sunset.
1 Tunbridge W.	bcb	bcb	58	76	-	Trace	6.5	8.3
Bournemouth	bcb	b	56	77	-	-	9.7	10.8
Ventnor	b3	b	58	71	-	-	11.3	12.4
Southsea	b	b	58	77	-	-	11.2	12.3
Bognor Regis	b	b	59	70	-	-	11.7	12.7
Littlehampton	bc	bcb	58	72	-	-	6.8	12.3
Worthing	b	bcb	59	72	-	-	8.1	12.6
Brighton	bc	bcb	60	70	-	-	8.4	11.2
Eastbourne	b	bcb	61	72	-	-	9.4	11.8
Hastings	bcb	bcb	60	74	-	-	8.1	10.5
Folkestone	bcb	b	61	72	-	-	10.7	7.3
Dover	by	b	61	74	-	-	9.9	7.6
Deal	ob	b	59	72	-	-	10.2	8.0
Ramsgate	b	b	61	70	-	-	10.3	8.4
Margate	bcb	b	61	70	-	-	10.5	9.5
2 Southend	b	bcb	59	71	Trace	-	10.6	6.7
Maldon	b	bv	59	73	-	-	10.2	5.1
Clacton-on-Sea	bcb	bcb	57	70	-	-	10.6	6.7
Dovercourt	bc	bv	57	72	-	-	10.3	7.4
Lowestoft	b	b	51	69	-	-	10.5	2.9
Skewness	bcb	ocb	57	68	-	-	4.9	4.6
Mablethorpe	bcb	bcbv	55	61	-	-	6.0	3.4
Cleethorpes	bcb	bcb	57	70	-	-	7.8	3.0
3 Leamington S.	bcb	bcb	54	76	-	-	10.8	4.4
4 Cheltenham	bmb	bcb	52	78	-	-	10.2	9.2
5 Bath	b	b	56	77	-	-	9.9	11.2
Weymouth	bcb	b	57	71	-	-	9.2	12.4
Jersey	bcc	bcb	59	70	-	-	4.2	12.7
Torquay	bcb	bcb	54	73	-	-	9.9	14.2
Penzance	o	om	58	68	-	-	0.0	12.1
St. Ives	o	oco	56	70	-	-	0.3	12.2
Bude	wo	oc	50	66	-	-	0.1	14.0
Ilfracombe	oc	obe	57	67	-	-	3.4	12.9
6 Aberystwyth	b	b	56	66	-	-	11.8	12.9
7 Llandudno	b	b	50	70	-	-	11.6	6.7
Colwyn Bay	b	b	50	67	-	-	11.8	6.7
Rhyl	b	b	47	69	-	-	11.4	4.7
8 Wallasey	b	b	58	69	-	-	12.2	7.8
Southport	b	b	50	70	-	-	12.1	7.7
Blackpool	bcb	b	51	69	-	-	12.2	6.4
Morecambe	b	b	49	70	-	-	10.0	7.2
9 Ilkley	b	b	47	76	-	-	8.2	3.7
10 Berwick-on-T.	bcb	b	49	65	-	-	12.1	7.2
11 Dunbar	b	b	52	67	-	-	10.7	7.1
12 Troon	bcb	b	56	66	-	-	3.7	9.4
Douglas	bcb	bcb	51	69	-	-	6.8	3.6

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



### DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd, July, 1933.

1. S.E. England	Light variable wind; fine or fair and warm.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light variable wind; mainly cloudy, but bright periods, a few local showers; perhaps fog patches on coast; rather warm.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind variable to westerly, light; mainly fair; rather warm.
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Wind westerly, light; cloudy with local passing showers, but bright intervals; perhaps a few coastal fog patches; rather warm.
13. A.W. Scotl. B.N.W. Scotland	
14. Mid-Scotland	As 9 - 11.
15. N.E. Scotland	
16. Orkneys and Shetlands	Wind west to southwest, light; cloudy, but some bright intervals; perhaps local drizzle and coastal fog patches; rather warm.
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS: ( ) Clear sky, ( ) Sky less than 1/2 cloudy, ( ) Sky 1/2 to 3/4 cloudy, ( ) Overcast sky, ( ) Rain falling, \* Snow, \* Sleet, \* Hail, / Fog, / Mist, T Thunder, T Thunderstorm, ☁ Haze.

SEA DISTURBANCE: Rough, High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

An anticyclone centred near the Azores extends over the British Isles. Apart from a few local showers, weather will continue fair and rather warm generally.

### FURTHER OUTLOOK.

Quiet and mainly fair conditions likely to continue.

Forecasts issued at 0910 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





1 hr. observations are from Valencia W/T station      † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 3 hr.



FALL.	900
Night	SRIN
18h-7h	22
mm.	Hr
(35)	(36)

Page 1.

AIR  
MINISTRY.

## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 24<sup>th</sup> July 1933

No. 26177

DISPOSITOR.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 23 <sup>rd</sup> July														OBSERVATIONS at 18h. G.M.T. 23 <sup>rd</sup> July														PAST 24 HOURS.					
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.									
				Direc.	Force					Low.	Med.	High.			Form.	Amount.					Height of Base. (feet)	Direc.	Force			Low.	Med.	High.	Form.	Amount.	Height of Base. (feet)	7h.-13h. 23 <sup>rd</sup>	13h.-18h. 23 <sup>rd</sup>	18h.-24h. 24 <sup>th</sup>	24h.-1h. 24 <sup>th</sup>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)...	1023.7	-2	W	2	bc	78	48	7	1	-	-	4.6	4.6	2500	1023.8	-4	NNW	2	bc	80	45	7	1	-	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
	Croydon	1023.4	0	NW	2	c	78	45	7	8	-	-	7.8	7.8	4000	1023.4	-4	WSW	4	bc	79	45	6	8	-	-	4.6	4.6	4000	0	0	bc bc	bc by	bc	bc
	S. Farnborough	1023.4	0	WSW	1	bc	82	45	7	1	-	-	2.3	2.3	4000	1023.0	-2	NNW	1	bc	78	45	7	1	-	-	1	1	4000	0	0	bc bc	bc by	bc	bc
	Winchester	1023.9	+2	NNW	3	bc	77	55	7	2	-	-	2.3	2.3	2500	1023.3	-2	NNW	1	c	77	65	7	8	-	-	9	9	2500	0	0	bc bc	bc by	bc	bc
	Boscombe Down	1023.6	-2	NW	1	bc	76	55	6	2	-	-	4.6	4.6	4000	1023.1	0	NNW	3	bc	76	55	6	2	-	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
	Calshot, S'thmtn	1023.7	0	SSW	3	bc	75	65	6	2	-	-	2.3	2.3	4000	1023.4	-2	SSW	3	bc	72	75	6	5	-	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
	Dungeness	*	0	SSW	3	bc	*	*	6	2	-	-	4.6	10	1500	*	0	SSW	2	bc	*	*	6	5	-	-	2.3	2.3	800	0	0	bc bc	bc by	bc	bc
	Lympne	1025.1	+6	SSE	3	c	66	85	7	5	-	-	9	9	4000	1024.4	-4	S	2	b	64	85	6	5	-	-	Tr	1	450	0	0	bc bc	bc by	bc	bc
2	Shoeburyness	1024.3	+6	E'S	3	b	70	75	7	-	7	-	0	Tr	-	1023.5	-4	SE	1	bc	71	85	7	-	1	5	0	2.3	-	0	0	bc bc	bc by	bc	bc
	Felixstowe	1025.0	+6	E'S	3	b	70	55	8	1	-	-	Tr	Tr	4000	1024.3	-2	ESE	2	b	67	65	8	-	-	0	0	-	0	1	0	bc bc	bc by	bc	bc
	Gorleston	1024.7	+4	SE'S	3	bc	66	75	7	1	-	6	1	2.3	4000	1024.5	-6	SSE	2	b	66	75	6	-	-	0	0	-	0	1	0	bc bc	bc by	bc	bc
	Cranwell	1023.8	-2	W'S	1	c	75	55	7	2	-	1	4.6	7.8	4000	1024.8	-6	WS	4	bc	76	55	7	8	3	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
3	Birmingham	1024.3	0	WSW	2	bc	73	55	8	7	-	-	4.6	4.6	4000	1023.5	-2	NNW	2	bc	75	65	8	9	-	-	4.6	4.6	4000	0	0	bc bc	bc by	bc	bc
	Upper Heyford	1023.7	-2	NNW	2	bc	79	55	6	7	-	-	4.6	4.6	4000	1023.8	+4	NNW	3	bc	74	55	6	2	-	-	4.6	4.6	4000	0	0	bc bc	bc by	bc	bc
4	Ross-on-Wye	1023.8	+4	NNW	3	c	75	55	7	7	-	-	9+	9+	5700	1023.1	+2	NW	1	bc	74	65	7	7	-	-	4.6	4.6	5700	0	0	bc bc	bc by	bc	bc
5	Portland Bill	1024.9	+6	W	3	b	66	85	8	-	-	-	0	0	-	1024.6	-4	W	3	b	65	85	8	-	-	0	0	-	0	2	0	bc bc	bc by	bc	bc
	Plymouth	1025.2	+2	S	1	c	69	75	8	7	-	-	10	10	4000	1024.6	-2	NW	3	bc	71	65	8	7	-	-	4.6	4.6	4000	0	2	bc bc	bc by	bc	bc
	The Lizard	1025.9	+4	-	0	c	69	75	8	7	6	-	4.6	7.8	4000	1026.2	0	NW	3	bc	69	75	8	7	6	-	4.6	4.6	4000	0	1	om c	bc bc	bc bc	bc
	Scilly (St. Mary's)	1026.7	+8	N'E	1	c	67	85	8	4	-	-	7.8	7.8	4000	1026.6	-2	NNW	1	bc	69	85	8	2	-	-	2.3	2.3	4000	0	0	om c	bc bc	bc bc	bc
	Guernsey	1025.3	+10	NNW	1	b	70	75	7	1	-	-	1	1	2500	1024.8	-4	NW	3	b	69	75	8	-	-	0	0	-	0	2	0	oc bc	bc bc	bc bc	bc
6	Pembroke	1025.1	+4	WSW	2	c	67	85	6	5	7	1	4.6	7.8	2500	1024.7	-4	W	2	bc	66	85	8	7	7	-	2.3	4.6	5700	0	1	bc bc	bc by	bc	bc
7	Holyhead	1024.6	+6	SSW	3	b	69	75	7	4	-	-	1	1	2500	1024.1	-4	SWW	3	bc	67	75	8	4	-	-	2.3	2.3	4000	0	1	bc bc	bc by	bc	bc
	Chester (Sealand)	1024.7	0	NNW	3	bc	72	55	8	1	-	-	2.3	2.3	5700	1024.5	0	NNW	3	bc	69	75	9	1	4	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
8	L'pool (Bidston)	1024.9	0	NNW	3	b	69	55	9	-	-	-	0	0	-	1024.3	0	NNW	2	b	69	75	9	-	3	-	0	Tr	-	0	0	bc bc	bc by	bc	bc
9	Harrogate	1023.0	-6	WSW	1	c	74	55	8	7	8	4	4.6	9	4000	1024.5	0	SWW	3	b	71	65	9	2	-	9	Tr	Tr	4000	0	0	bc bc	bc by	bc	bc
10	Spurn Head	1023.7	0	SSE	4	bc	68	85	8	3	2	-	2.3	4.6	4000	1021.9	-4	SSE	4	c	65	85	7	3	7	-	2.3	7.8	4000	0	2	bc bc	bc by	bc	bc
	Catterick	1021.6	-4	SWW	2	c	77	45	8	2	3	-	4.6	7.8	4000	1021.1	-2	W	3	b	74	55	8	1	-	1	Tr	1	4000	0	0	bc bc	bc by	bc	bc
	Tynemouth	1021.3	-4	SE	1	bc	67	65	6	2	-	-	4.6	4.6	2500	1021.3	+2	W	3	bc	74	55	7	2	-	1	2.3	4.6	2500	0	0	bc bc	bc by	bc	bc
11	Inchkeith	1021.5	-4	SW	2	c	71	75	8	8	7	-	4.6	7.8	2500	1021.8	-6	W	3	c	66	65	8	7	5	-	4.6	7.8	2500	0	2	bc bc	bc by	bc	bc
	Leuchars	1021.4	0	W	3	c	70	55	8	8	7	-	7.8	9	4000	1020.4	0	WSW	4	c/pr	69	65	8	8	7	-	2.3	9	2500	0	0	bc bc	bc by	bc	bc
12	Renfrew (Abbott)	1021.5	+4	W	4	c	68	65	8	8	-	8	9	9+	4000	1021.1	-2	W'S	2	c	66	75	8	7	3	1	4.6	7.8	4000	0	0	bc bc	bc by	bc	bc
	Eska Dalemuir	1021.1	-4	SSW	4	c	68	75	7	8	-	-	9	9	2500	1021.9	-2	W'S	3	bc	69	65	8	8	7	-	1	2.3	4000	1	0	bc bc	bc by	bc	bc
13	Tiree	1021.1	+2	SW	3	c	63	85	8	5	-	-	4.6	7.8	2500	1021.9	-4	SW	3	c	61	85	7	5	7	-	4.6	7.8	2500	0	2	bc bc	bc by	bc	bc
13A	Stornoway	-10	SW	3	pr	61	95	6	8	2	-	-	4.6	10	800	"	0	WSW	1	c/pr	60	85	8	8	6	-	4.6	10	800	1	1	bc bc	bc by	bc	bc
15	Dalwhinnie	1021.0	0	-	0	c	64	65	8	4	4	-	4.6	7.8	4000	1020.6	0	W	1	c	61	75	8	4	2	-	4.6	10	800	0	0	bc bc	bc by	bc	bc
	Aberdeen	1021.6	+2	S'E	2	c	64	65	8	8	3	-	4.6	7.8	2500	1020.6	-6	SE	2	c	64	65	8	8	7	-	4.6	9+	4000	0	1	bc bc	bc by	bc	bc
	Wick	1020.4	0	NW	1	c	60	95	8	9	2	-	7.8	9+	1500	1020.1	-4	SW	2	c	61	85	8	8	1	-	7.8	9+	1500	1	2	bc bc	bc by	bc	bc
16	Lerwick	1018.4	0	WSW	3	c	60	85	8	8	3	-	7.8	9+	1500	1017.7	-6	SWW	4	d	58	95	7	5	-	-	9	9	800	0	0	bc bc	bc by	bc	bc
17	Blacksod Point	1024.3	+2	WSW	3	bc	63	85	8	5	4	4	4.6	4.6	1500	1024.0	-6	S	3	c	63	95	7	5	-	-	10	10	450	1	3	bc bc	bc by	bc	bc
18	Malin Head	1023.1	0	W	3	bc	64	85	7	5	8	9	2.3	2.3	800	1023.9	-6	W	4	c	62	85	8	1	-	-	9+	9+	2500	0	1	bc bc	bc by	bc	bc
	Aldergrove	1023.8	+2	SW	3	bc	71	65	9	1	9	1	2.3	4.6	2500	1023.1	-4	SW	3	bc	70	65	8	1	-	-	2.3	2.3	4000	0	0	bc bc	bc by	bc	bc
	Donaghadee	1023.5	+2	S	1	c	65	75	8	3	-	-	4.6	7.8	2500	1023.4	-6	-	0	bc	68	75	8	1	4	4	2.3	4.6	4000	0	0	bc bc	bc by	bc	bc
19	Birr Castle	1025.5	-2	W	1	c	66	85	8	5	-	-	9+	9+	2500	1025.2	-4	W	1	c	66	85	8	5	-	-	9+	9+	2500	1	0	bc bc	bc by	bc	bc
20	Valentia Obay.	1027.0	+2	WSW	2	c	62	85	8	5	-	-	7.8	7.8	220	1026.4	-4	W'S	2	c	63	85	8	5	-	-	9+	9+	450	0	0	bc bc	bc by	bc	bc
	Rochea Point...	1027.5	+6	SW	1	c	65	85	9	5	-	-	9	9	2500	1025.3	-2	SW	2	bc	66	85	9	5	-	-	4.6	4.6	2500	0	2	bc bc	bc by	bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

§ The observations entered in the 18h. section (Columns 15-30) refer to 17h. in this report

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

**AND SYMBOLS FOR WEATHER.**  
 b, blue sky (not more than a quarter covered with cloud).  
 bc, sky partly cloudy (one half covered).  
 d, drizzle. c, generally cloudy.  
 f, fog, visibility 220-1100 yds.  
 F, thick fog, " less than 220 yds.  
 fs, fog over sea (coast station).  
 fg, fog on lower ground (inland station).  
 m, mist, visibility 1100-2200 yds.  
 h, hail. i, intermittent.  
 p, precipitation within sight of station.  
 ks, storm of drifting snow.  
 k/s, slight storm of drifting snow (generally low).  
 K/S, heavy storm of drifting snow (generally low).  
 s/k, slight storm of drifting snow (generally high).  
 S/k, heavy storm of drifting snow (generally high).  
 KQ, line squall. l, lightning.  
 o, overcast sky. p, passing showers.  
 q, squalls. r, rain. s, snow.  
 rs, sleet. t, thunder.  
 u, ugly, threatening sky.  
 v, unusual visibility. w, dew.  
 z, hoar frost. y, dry air.  
 z, dust haze; the turbid atmosphere of dry weather.  
 h(r), "hail" or "rain and hail."  
 Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.  
 B, heavy rain. r<sub>o</sub>, slight rain.  
 rr, continuous rain.  
 <, less than (for cloud height).  
 ☉, Solar halo. ☾, lunar halo. ♀, gale.  
 With present weather is combined, whenever possible, the general character of the weather.  
 A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds.
- 1 Fair weather Cu.
- 2 Large Cu without anvil.
- 3 Cu-Nb.
- 4 St-Cu formed by the spreading out of Cu.
- 5 Layer of St or St-Cu.
- 6 Nimbus.
- 7 Fair weather Cu and St-Cu.
- 8 Large Cu (or Cu-Nb) and St-Cu.
- 9 Large Cu (or Cu-Nb) and Nb.

*Note.*—Nimbus—ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than  $\frac{1}{16}$  of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds.
- 1 Typical A-St (thin).
- 2 Typical A-St (thick). (Sun or moon invisible).
- 3 Single layer of A-Cu or high St-Cu.
- 4 A-Cu in isolated bands. Individually decreasing (often lenticular).
- 5 A-Cu in bands (increasing).
- 6 A-Cu formed from the spreading out of Cu.
- 7 A-Cu associated with A-St or A-St with parts resembling A-Cu.
- 8 A-Cu Castellatus (or A-Cu in ragged fragments).
- 9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

**CLOUD.**

- 0 No cirriform cloud.
- 1 Fine Ci not increasing: sparse.
- 2 Fine Ci not increasing: abundant but not a continuous layer.
- 3 Anvil Ci (usually dense).
- 4 Fine Ci increasing: usually in tufts.
- 5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands.
- 6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands.
- 7 Veil of Ci-St covering whole sky.
- 8 Ci-St not increasing and not covering whole sky.
- 9 Ci-Cu predominating, and a little cirrus.

(Ci-Cu may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND.

0	Dry.	5	Covered with ice or glazed frost.
1	Wet.	6	Partly covered by snow or hail.
2	Flooded.	7	Covered with snow, less than 6 ins., but ground not frozen.
3	Covered with thawing snow.	8	Covered with snow, less than 6 ins., and ground frozen.
4	Frozen hard and dry.	9	Covered with snow greater than 6 ins. deep.

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



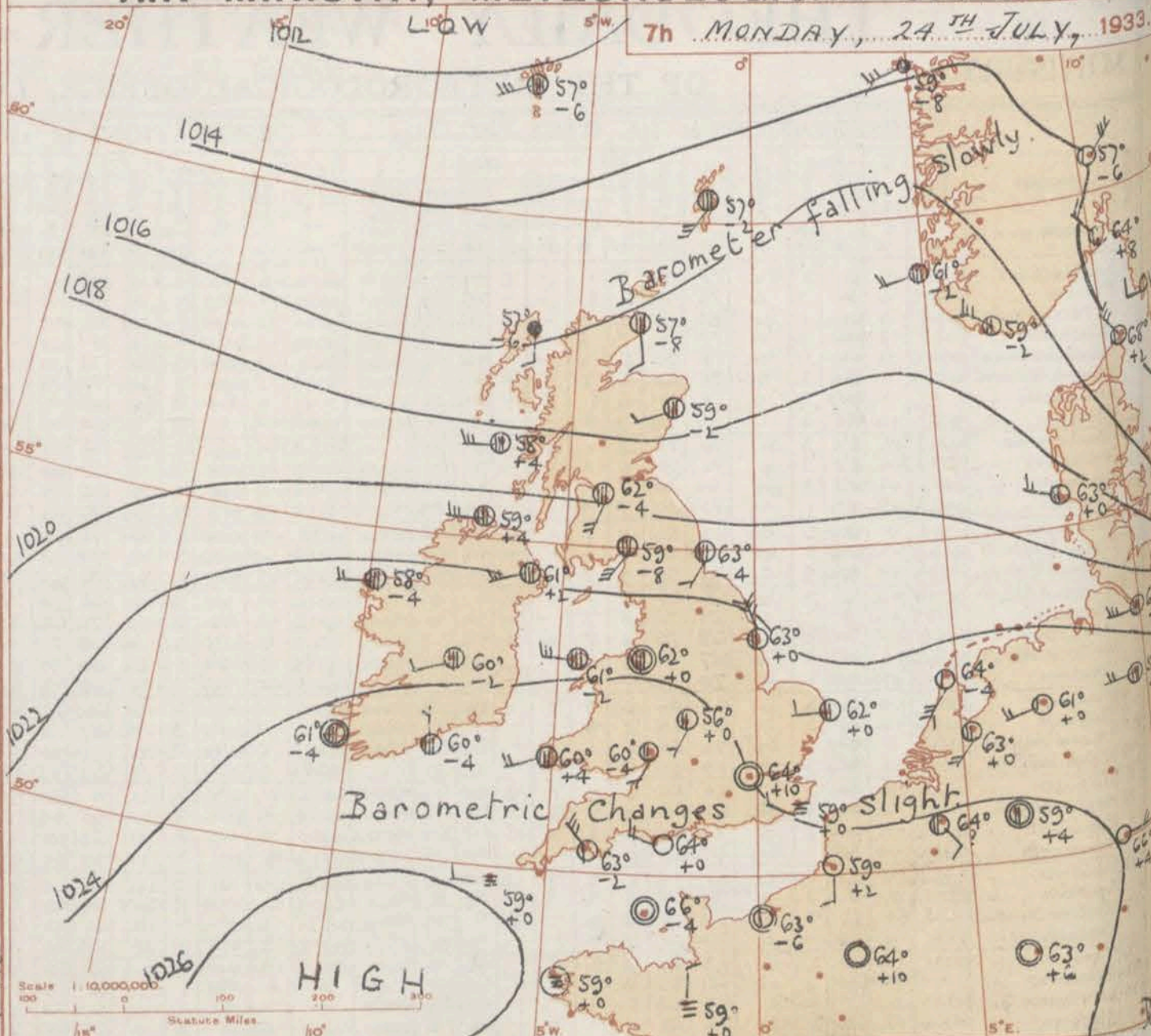
# REPORTS from HEALTH RESORTS for 23<sup>rd</sup> JULY 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Min. 9h. 24h.	Max. 9h. 17h.	Night. 17h. 24h.	Day. 9h. 17h.	Sunrise to 17h.	Sunrise to Sunset.
		9h. 23.	23.	9h. 23.	23.	9h. 23.	23.	23.	23.
1	Tunbridge W.	b	bcb	55	80	-	-	7.7	6.8
	Bournemouth	b	b	57	81	-	-	9.8	11.9
	Ventnor	b2	b	60	70	-	-	11.6	13.1
	Southsea	b	b	59	81	-	-	11.1	13.0
	Bognor Regis	bcb	bcb	57	70	-	-	10.4	13.0
	Littlehampton	bcb	b	56	69	-	-	10.7	8.5
	Worthing	bcb	b	59	70	-	-	7.0	9.6
	Brighton	b	bcb	61	68	-	-	3.5	9.9
	Eastbourne	b	bmb	59	68	-	-	11.0	10.6
	Hastings	bcb	bcb	60	68	-	-	3.7	8.1
	Folkestone	bcb	bcb	57	69	Trace	-	5.6	11.1
	Dover	bcb	bcb	56	68	-	-	5.0	11.7
	Deal	bcb	bcb	58	74	-	-	5.5	11.7
	Ramsgate	bcb	b	62	69	-	-	7.3	11.7
	Margate	bcb	bcb	61	75	-	-	7.3	12.2
2	Southend	bcb	bcb	63	75	-	-	8.8	11.7
	Maldon	bcb	bcb	61	72	-	-	8.3	11.3
	Clacton-on-Sea	bcb	bcb	64	70	-	-	9.4	12.2
	Dovercourt	bcb	b	61	71	-	-	9.8	11.2
	Lowestoft	b	b	54	69	-	-	11.3	11.5
	Skegness	b	bcb	58	70	-	-	11.4	6.7
	Mablethorpe	bcb	bcb	54	70	-	-	11.2	7.9
	Cleethorpes	b	bcb	63	73	-	-	10.8	9.0
3	Leamington S.	bcb	b	56	79	-	-	8.7	11.6
4	Cheltenham	bcb	bcb	54	73	-	-	7.6	12.0
5	Bath	b	bcb	57	79	-	-	9.2	12.6
	Weymouth	b	b	57	76	-	-	10.3	11.0
	Jersey	b	b	60	70	-	-	4.0	4.7
	Torquay	bcb	b	59	72	-	-	9.3	10.0
	Penzance	bcb	b	60	73	-	-	6.2	0.0
	St. Ives	bcb	b	61	68	-	-	7.7	0.3
	Bude	bcb	bcb	59	68	-	-	9.7	0.1
	Ilfracombe	bcb	b	58	68	-	-	8.0	5.1
6	Aberystwyth	b	b	54	69	-	-	9.9	15.0
7	Llandudno	bcb	b	52	73	-	-	11.0	14.1
	Colwyn Bay	bcb	bcb	57	74	-	-	11.2	14.3
	Rhyl	b	bcb	50	71	-	-	10.6	14.3
8	Wallasey	b	b	56	72	-	-	11.1	15.1
	Southport	bcb	b	52	71	-	-	11.0	15.0
	Blackpool	bcb	bcb	54	71	-	-	8.9	14.7
	Morecambe	bcb	bcb	53	70	-	-	6.7	13.0
9	Ilkley	b	b	50	78	-	-	10.4	8.4
10	Berwick-on-T.	b	b	53	71	Trace	-	4.8	14.7
11	Dumbar	bcb	bcb	56	75	Trace	-	5.9	13.0
12	Troon	bcb	b	53	66	-	-	5.2	13.4
	Douglas	bcb	bcb	54	71	-	-	6.1	8.8

Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. 9h. 1 Min. Temp. 17h. 9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th MONDAY, 24<sup>th</sup> JULY, 1933.



### FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th July, 1933

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th July, 1933
1. S.E. England	Light variable wind, finally southwesterly; fine; very warm.
2. E. England...	
3. E. Midlands	
4. W. Midlands	Light west to southwest wind; fair; some increase in cloud, warm.
5. S.W. England	
6. South Wales	Light westerly wind, becoming moderate southwest; mainly cloudy, local coast fog; bright locally inland at first; perhaps local drizzle tomorrow; warm.
7. North Wales	
8. N.W. England	Light or moderate west to southwest wind; cloudy, occasional local drizzle; rather warm.
9. N. Midlands	
10. N.E. England	As 5 - 7.
11. S.E. Scotland	Light or moderate westerly wind, backing later; fair apart from slight local showers; rather warm.
12. S.W. Scotland & Isle of Man	
13. A. W. Scotland	As 8.
14. Mid-Scotland	Light or moderate westerly wind; cloudy, some showers; brighter intervals locally; moderate temperature.
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	Freshening southerly wind; cloudy or dull, some drizzle; perhaps heavier rain tomorrow; close.
18. N.E. Ireland	
19. S.E. Ireland	As 8.
20. S.W. Ireland	As 17.

**BAROMETER.** Isobars are drawn for intervals of two millibars.  
**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.  
**WEATHER SYMBOLS.** — Clear sky. ☁ Sky less than 1/2 clouded. ☁ Sky 1/2 to 3/4 clouded. ☁ Sky 3/4 to 1 clouded. ☁ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. T Thunderstorm. ☁ Haze.  
**SEA DISTURBANCE.** ~~~~~ Rough. ~~~~~ High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**  
 An anticyclone off our southwest coasts is decreasing in intensity, and a depression on the Atlantic is moving northeast and deepening. Weather will be fair and warm over a large part of England, but will deteriorate in the West. Local showers will occur in Scotland.

**FURTHER OUTLOOK.**  
 Unsettled in the West and North; fair and warm over tomorrow in the Southeast, but probably becoming less settled afterwards.

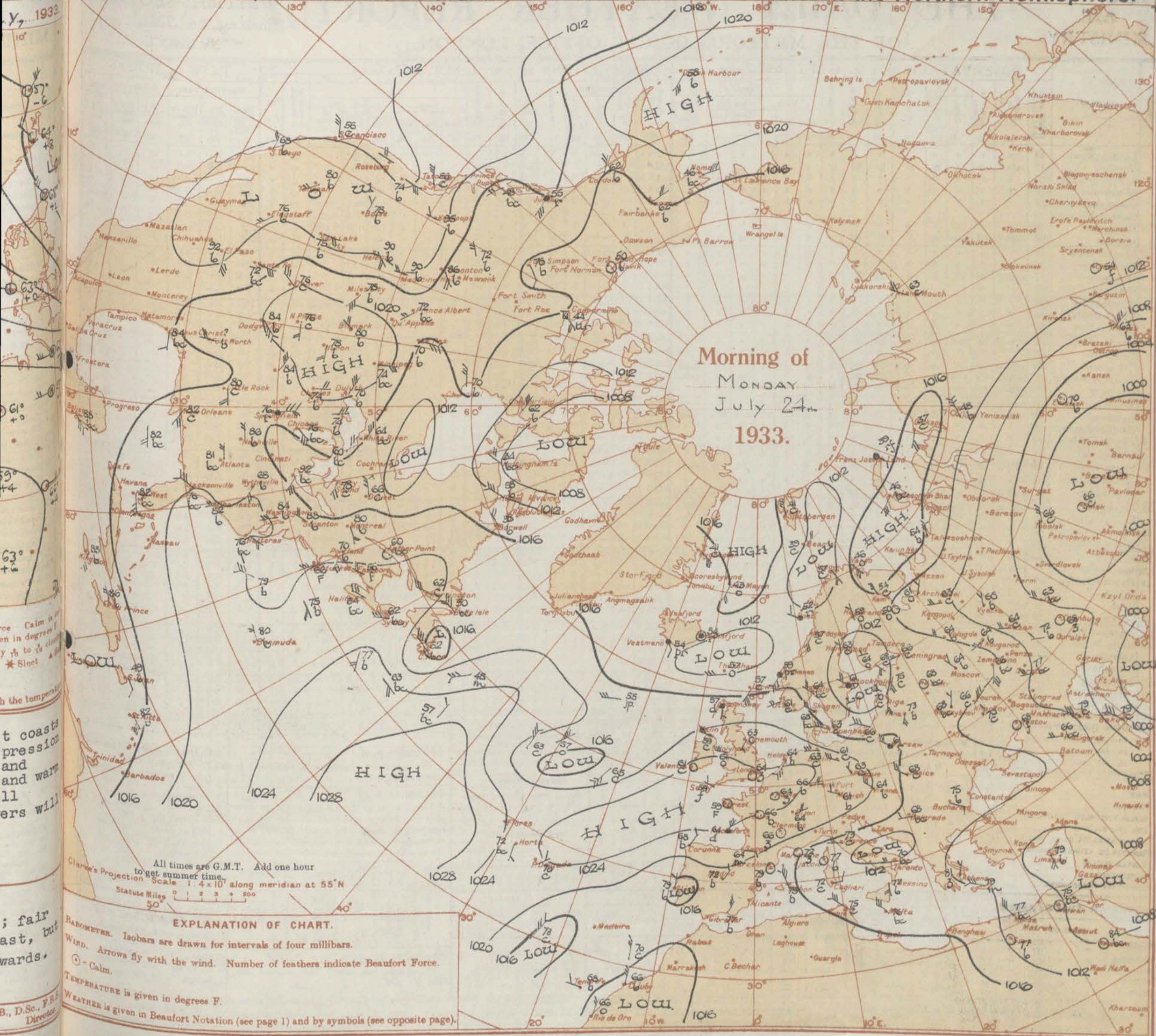
Forecasts issued at 0940 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
 Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

July 1933





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 24<sup>th</sup> July 1933.

No. 26177

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 24 <sup>th</sup> July														OBSERVATIONS at 7 hr. G.M.T. 24 <sup>th</sup> July														PAST 24 HOURS.											
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. at 5 ft.	Humid. %	Visibility.	Cloud.				Height of Base (feet).	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. at 5 ft.	Humid. %	Visibility.	Cloud.				Height of Base (feet).	State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs.					
				Direc.	Force.					Low.	Med.	High.	Low.				Total.	Low.					Med.	High.	Low.	Total.				Low.	Med.	High.	Low.	Total.		Max. Day 7h-18h of (81).	Min. Night 18h-7h of (82).	Min. on Grass of (83).	Day 7h-18h mm. (84).	Night 18h-7h mm. (85).
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)					
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1024.1	0	WSW	1	b	65	85	6	-	-	-	0	0	-	0	*	81	60	51	-	-	11.5					
Croyden	217	1023.9	+4	-	0	b	61	95	6	-	-	-	0	0	1024.0	+10	-	0	30	64	85	6	-	-	-	0	0	-	0	*	81	58	54	-	Tr	11.1				
S. Farnborough	287	*	*	*	*	*	*	*	*	*	*	*	*	1023.9	-2	WNW	2	b	64	85	6	-	-	8	Tr	Tr	5700	0	*	83	54	44	-	-	10.6					
Winchester	275	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	0	WNW	1	b	62	95	6	-	-	1	0	Tr	0	*	80	54	48	-	-	10.3						
Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	-2	NW	2	bc	59	95	5	-	-	1	4.6	4.6	450	0	*	79	54	53	-	-	10.4					
Calshot (S' thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	+2	WNW	2	30	62	85	6	-	-	4.6	4.6	4000	0	1	79	57	55	-	-	12.4						
Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	1024.2	0	-	0	*	*	0	0	-	-	-	10	10	<150	*	*	67	57	*	-	Tr	6.0					
Lympne	346	1024.9	+2	SSW	2	F	58	95	1	S	-	-	10	10	1022.6	0	WNW	1	bc	59	95	2	-	-	-	0	0	-	0	*	68	56	57	-	-	10.1				
2 Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	0	NNW	1	b	64	85	6	-	-	3	-	-	-	0	*	74	55	46	-	-	11.2					
Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1023.6	0	WNW	1	b/f	62	95	5	-	-	1	0	1	-	0	0	70	59	55	-	-	13.6					
Gorleston	5	1023.7	-4	SE	3	b	62	85	7	-	-	-	0	0	1023.0	0	WNW	1	bc	62	85	6	-	-	4	-	0	2.3	-	0	1	68	58	54	-	-	11.4			
Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1023.9	-2	SWW	2	bc	62	95	6	-	-	2	0	4.6	-	0	*	79	55	53	-	-	11.4					
3 Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1024.6	0	SSW	1	bc	58	95	5	-	-	1	2.3	4.6	4000	0	*	76	56	44	-	-	9.3					
Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1024.3	0	NNW	2	30	63	85	5	-	-	1	0	Tr	-	0	*	79	57	52	-	-	5.0					
4 Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1024.4	-4	SSW	1	bc	60	85	8	-	-	2	0	2.3	-	0	*	77	52	44	-	-	5.0					
5 Portland Bill	32	1024.7	0	NW	2	b	63	85	8	-	-	-	0	0	1024.6	0	WNW	2	b	64	85	8	-	-	-	0	0	-	0	2	70	59	*	-	-	5.7				
Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	1025.0	-2	NNW	3	b	63	85	8	-	-	1	0	Tr	-	0	0	71	58	55	-	-	6.6					
The Lizard	240	1026.4	0	-	0	b	57	95	8	7	-	1	1	1	1025.8	0	WNW	1	0	59	95	8	-	-	10	10	2500	0	0	0	71	56	*	-	-	6.6				
Scilly (St. Mary's)	163	1026.8	-2	W/S	1	F	69	95	1	S	-	-	10	10	1025.9	0	WNW	1	if	59	95	3	-	-	10	10	<150	1	0	1	70	57	*	-	0.2	10.4				
Guernsey	175	1025.4	-2	-	0	b	59	95	8	-	-	-	0	0	1024.6	-4	-	0	b/f	66	85	4	-	-	-	0	0	-	0	1	71	59	53	-	-	10.4				
6 Pembroke	142	1023.7	+4	WSW	2	c	61	95	7	S	-	-	9	9	1024.5	+4	WSW	2	c	60	95	8	-	-	10	10	2500	0	1	67	59	*	-	-	12.2					
Holyhead	26	1023.8	0	SW/S	3	bc	59	95	7	S	-	-	4.6	4.6	1023.5	-2	W	3	c	61	85	8	-	-	10	10	1500	0	1	71	58	53	-	-	10.0					
Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1024.0	0	-	0	30	62	95	6	-	-	2	4.6	7.8	4000	0	*	75	53	46	-	-	12.4					
8 L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	0	W	2	bc	63	85	8	-	-	5	4.6	4.6	2500	0	*	70	59	56	-	-	14.4					
9 Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	*	1022.3	0	SW	3	bc	65	85	8	-	-	3	2.3	2.3	2500	0	*	76	58	53	-	-	12.2					
10 Spurn Head	29	1022.8	0	NNW	4	bc	63	95	7	S	-	-	2.3	2.3	1022.3	0	NNW	5	bc	63	95	6	-	-	4	1	2.3	4.6	2500	0	3	76	59	*	-	Tr	11.4			
Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1021.8	-2	SW/S	3	bc	65	75	8	-	-	1	4.6	4.6	2500	0	*	77	52	48	-	-	13.2					
Tynemouth	100	1022.2	0	W	2	bc	62	85	7	2	-	-	4.6	4.6	1020.7	-4	SW	1	c	63	85	5	-	-	7.8	7.8	4000	0	1	75	59	58	-	-	6.7					
11 Inchkeith	190	1021.7	-4	SW	2	c	59	95	8	S	-	-	7.8	7.8	1013.9	-6	SW	3	c	60	95	8	-	-	7.8	9+	2500	0	2	71	58	55	-	-	5.9					
Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-4	SW	3	c	63	85	7	-	-	7.8	9+	1500	0	*	75	57	46	-	Tr	4.6						
12 Renfrew (Abbotts D)	18	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	-4	SSW	2	c	62	85	7	-	-	9+	10	800	0	*	73	60	56	-	-	7.8						
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	-8	SW/S	3	c	59	95	7	-	-	4.6	9+	450	1	*	71	56	52	-	Tr	6.7						
13a Tisee	22	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+4	W	4	c	58	95	7	-	-	9+	9+	1500	1	2	63	58	57	0.1	0.1	0.7						
13b Stornoway	34	1016.4	-8	SW	2	id.	58	95	7	S	2	-	7.8	10	1018.7	-10	S	3	c	58	95	6	-	-	9	10	450	1	1	64	57	*	0.5	0.1	0.5					
15 Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1018.7	-10	S	3	c	58	95	6	-	-	4.6	10	450	1	1	66	53	46	-	Tr	0.2						
Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	*	1018.1	-2	W/S	1	c/r	59	85	7	-	-	4.6	9+	1500	1	1	63	54	48	-	Tr	0.4						
Wick	81	1018.7	-6	SSW	1	c	57	95	8	8	1	-	4.6	7.8	1016.9	-8	SSW	1	c/r	57	95	8	-	-	4.6	10	1500	1	2	64	56	*	2	1	2.3					
16 Lerwick	54	1016.0	-8	WSW	4	c	56	95	7	8	4	-	4.6	7.8	1015.0	-2	SW	3	c	57	85	9	-	-	4.6	9+	1500	0	*	62	55	*	0.2	Tr	2.3					
17 Blackad Point	18	1023.4	-2	-	0	id.	60	95	7	S	-	-	10	10	1022.9	-4	W	2	c	58	95	8	-	-	10	10	450	1	2	64	58	*	Tr	1	7.0					
18 Malin Head	52	1021.3	-8	WSW	2	id.	60	95	6	6	2	-	7.8	10	1021.3	+4	W	3	cld.	59	85	7	-	-	7.8	10	1500	1	1	65	58	*	-	0.2	9.3					
Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	*	1022.0	+2	W/S	3	c	61	95	9	-	-	9+	9+	800	1	0	73	60	57	-	-	0.1						
Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	*	1022.4	0	-	0	c	63	95	8	-	-	7.8	7.8	1500	1	0	70	55	*	-	-	0.1						
19 Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	-2	WSW	1	c	60	95	8	-	-	7.8	7.8	2500	1	*	69	60	59	-	-	2.9						
20 Valentia Obay.	30	1025.7	-6	SW	1	dd	61	95	5	6	-	-																												

## LONDON OBSERVATIONS.

Day 7h-18h, Kew & Croydon.  
9h-18h, Kensington.  
9h-21h, other stations, except  
Greenwich & Hampstead rainfall, 9h-18h.

Kew	...	...	...	...	...
CROYDON	...	...	...	...	...
GREENWICH (Royal Observatory)	...	...	...	...	...
CITY (Bunhill Row)	...	...	...	...	...
WESTMINSTER (St. James' Park)	...	...	...	...	...
REGENTS PK. (Botanic Gardens)	...	...	...	...	...
GARDEN SQUARE	...	...	...	...	...
KENSINGTON	...	...	...	...	...
HAMPSTEAD OBSERVATORY	...	...	...	...	...



NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



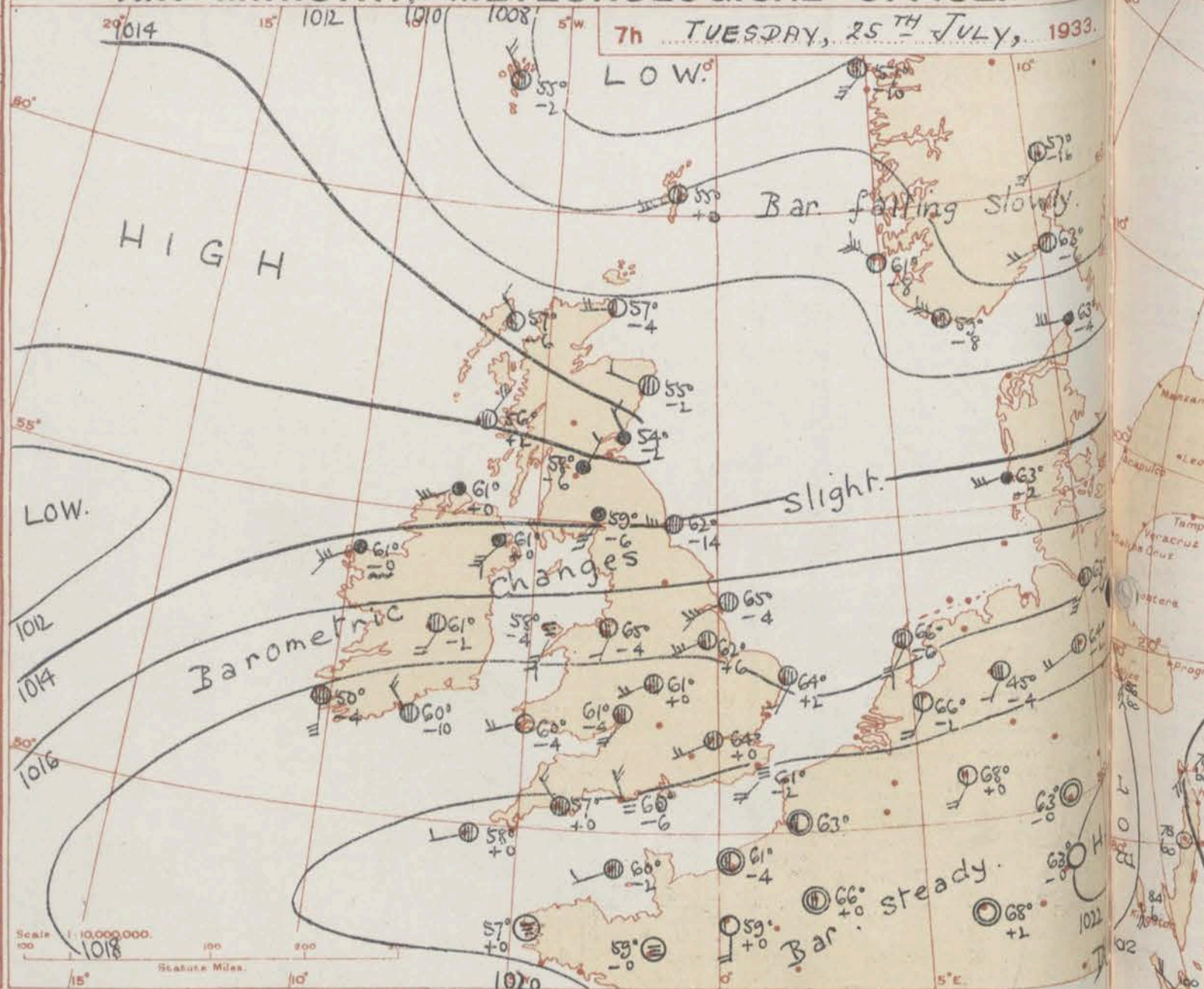
# REPORTS from HEALTH RESORTS for 24th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 23rd to 24th.	Max. 9h.-17h. 24th.	Night. 17h. to 9h. 24th.	Day. 9h.-17h. 24th.	Sunrise to 17h. 24th.	Sunset. 23rd to 24th.
1	Tunbridge W.	b	b	53	82	-	-	10.2	9.4
	Bournemouth	b	b	59	80	-	-	9.7	12.1
	Ventnor	b3	b	62	77	-	-	11.4	12.8
	Southsea	b	b	61	81	-	-	10.9	11.5
	Bognor Regis	b	b	60	75	-	-	11.3	11.7
2	Littlehampton	bbc	bcb	56	74	-	-	11.3	12.0
	Worthing	b	bcc	58	74	-	-	10.5	9.5
	Brighton	bc	bc	57	73	-	-	10.7	4.8
	Eastbourne	mib	b	57	77	-	-	9.8	12.6
	Hastings	bmb	b	57	75	Trace	-	10.7	3.7
3	Folkestone	bcm	b	58	72	-	-	9.2	5.9
	Dover	fbcc	bc	58	70	-	-	5.9	5.0
	Deal	b	b	56	78	-	-	10.8	6.0
	Ramsgate	bm	bm	57	70	-	-	11.0	8.3
	Margate	b	bcc	56	78	-	-	11.2	8.6
4	Southend	b3	b	61	79	-	-	11.0	9.8
	Maldon	b	b	57	84	-	-	9.6	9.6
	Clacton-on-Sea	bmb	bcc	58	74	-	-	10.5	10.6
	Dovercourt	b	b3	59	77	-	-	10.3	11.5
	Lowestoft	b	b	57	78	-	-	11.5	14.1
5	Skegness	3bc	bc	57	80	-	-	11.7	11.9
	Mablethorpe	bcb	b3	54	80	-	-	11.4	11.8
	Cleethorpes	b	bcc	58	79	-	-	11.2	11.0
	Leamington S.	bc	bc	54	79	-	-	10.1	10.4
	Cheltenham	b3b	b3b	55	80	-	-	11.7	9.5
6	Bath	b	b	61	77	-	-	11.1	11.9
	Weymouth	b	b	59	76	-	-	12.3	12.3
	Jersey	bfb	b	58	73	-	-	11.8	6.5
	Torquay	bc	bcb	59	75	-	-	11.6	11.5
	Penzance	oco	obco	57	65	-	-	0.7	9.0
7	St. Ives	c	c	58	64	-	-	4.7	10.4
	Bude	cbe	bcco	58	66	-	-	3.4	10.4
	Ilfracombe	obcc	bcc	61	66	-	-	4.2	10.5
	Aberystwyth	bccc	c	59	66	-	-	0.1	11.7
	Llandudno	cbe	bc	59	70	-	-	5.2	13.5
8	Colwyn Bay	cbe	bcc	59	72	-	-	5.7	14.0
	Rhyl	bccbc	bcc	57	68	-	-	5.2	14.0
	Wallasey	bcc	cbcc	60	69	-	-	4.0	14.2
	Southport	oco	obcco	62	69	-	-	2.2	13.3
	Blackpool	c	c	62	68	-	-	0.5	11.4
9	Morecambe	c	cbcc	60	66	-	-	0.4	9.0
	Ilkley	bccc	o	59	71	-	-	2.6	12.7
	Berwick-on-T.	oc	co	59	70	-	-	1.7	5.9
	Dunbar	cr	cr	59	68	Trace	0.5	0.6	6.8
	Troon	or	oc	60	63	-	Trace	0.5	5.8
10	Douglas	bcco	obcco	58	66	-	-	0.1	6.7

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h TUESDAY, 25th JULY, 1933.





# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

1933.

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Calm is indicated by a circle with a dot.

the temperature is given in degrees F.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

and in the less

and in the less

and in the less

and in the less

All times are G.M.T. Add one hour to get summer time.

Scale 1:4 x 10<sup>7</sup> along meridian at 55°N

Statute Miles 0 100 200 300

**EXPLANATION OF CHART.**  
 BAROMETER. Isobars are drawn for intervals of four millibars.  
 WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.  
 - Calm.  
 TEMPERATURE is given in degrees F.  
 WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Tuesday, 25th July 1933.  
No. 26,178

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 25th July														OBSERVATIONS at 7 hr. G.M.T. 25th July														PAST 24 HOURS.									
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun. Sh.							
				Dir.	Force.					Low.	Med.	High.			Low.	Total 0-10.					Height of Base (feet).	Low.	Med.			High.	Low.	Total 0-10.	Height of Base (feet).	0-9		9-9	Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass of.	Day 7h-18h mm.	Night 18h-7h mm.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)			
1 London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	0	WSW	2	C	64	85	7	1	-	6	7	7-8	2500	0	*	84	61	53	-	-	13.0			
Croydon ...	217	1020.0	-10	SW	2	b	62	85	7	-	-	0	0	1019.7	0	WSW	2	C	64	85	7	-	6	8	0	7-8	-	0	*	82	58	53	-	-	13.5			
S. Farnborough ...	237	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	0	WN	2	O	60	95	5	5	-	-	10	10	220	0	*	85	52	41	-	-	12.9			
Winchester ...	275	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	0	SW	1	df	57	93	2	5	-	-	10	10	4150	0	*	80	53	49	-	-	12.7			
Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	+2	SWW	1	id	58	95	4	5	-	-	10	10	4150	0	*	77	55	50	-	-	12.3			
Calshot (S' thmtn) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	0	WSW	1	off	59	95	4	5	-	-	10	10	220	0	0	79	54	52	-	-	12.2			
Dungeness ...	20	*	*	*	*	*	*	*	*	*	*	*	*	1020.3	0	SW	2	C	64	85	7	1	-	6	8	7-8	2500	0	1	70	53	50	-	-	10.9			
Lymne ...	346	1021.0	-5	W'S	2	bc	53	78	6	-	-	1	0	2-3	1020.2	-2	SWW	2	of	61	95	2	5	-	-	10	10	4150	0	*	75	57	50	-	-	12.2		
Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1019.2	0	WSW	2	bc	67	85	6	-	-	6	0	4-6	-	0	*	81	61	55	-	-	11.2			
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	1018.5	-4	SW	1	C	65	75	7	5	3	8	2-3	7-8	7200	0	0	75	62	57	-	-	13.0			
Gorleston ...	5	1018.7	-14	SWW	1	bc	63	95	6	-	6	-	0	+6	1017.6	+2	SW'S	1	C	64	95	5	-	3	-	0	9	-	0	1	74	59	56	-	-	12.6		
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	1018.1	+6	W'S	3	C	62	95	6	5	3	-	7-8	9	4000	0	*	79	58	54	-	-	11.2			
3 Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	1018.9	0	WSW	2	C	61	95	8	5	-	-	9	9	1500	0	*	77	58	55	-	-	11.7			
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1019.9	+6	SW	3	O	58	95	7	5	-	-	10	10	450	0	*	80	54	46	-	-	11.7			
4 Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1019.4	-4	SW	2	C	61	85	6	5	-	1	9	9+	1500	0	*	79	56	50	-	-	11.2			
5 Portland Bill ...	32	1020.9	-6	WN	2	f	60	95	2	S	-	10	10	150	1019.6	-6	NNW	2	of	60	95	2	5	-	-	10	10	4150	0	2	70	58	5	-	-	14.2		
Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	1020.4	0	NW	2	30	57	95	6	5	-	-	10	10	800	0	0	70	56	56	-	-	14.2			
The Lizard ...	240	1022.1	-6	W	1	C	56	95	8	5	-	9+	9+	2500	1020.5	-2	WN	1	C	58	85	8	5	-	9+	9+	2500	0	1	70	55	5	-	-	0.1			
Scilly (St. Mary's) ...	103	1021.9	-10	WSW	2	C	57	95	7	5	-	7-8	7-8	4000	1020.8	0	WSW	1	C	58	85	8	5	-	9	9	4000	0	0	64	56	5	-	-	9.0			
Guernsey ...	175	1021.5	-12	W	0	C	60	95	6	8	-	7-8	7-8	2500	1020.3	-2	W'S	1	O	60	95	7	5	-	10	10	1500	0	1	71	59	57	-	-	11.2			
6 Pembroke ...	142	1021.2	-4	WSW	2	d.d.	59	95	7	5	-	10	10	1500	1018.5	-4	WSW	2	C	60	95	6	5	-	-	9+	9+	1500	1	1	66	58	5	-	-	2.5		
7 Holyhead ...	26	1018.5	-10	SSW	4	m	59	95	4	5	-	10	10	220	1017.4	-4	SW'S	4	F	58	95	1	5	-	-	10	10	4150	0	2	66	58	57	-	-	3.4		
Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	1017.6	-4	SW'S	1	C	65	75	8	5	3	8	7-8	9	1500	0	*	70	58	52	-	-	3.4			
8 L'pool (Bidston) ...	198	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	-2	SWW	1	C	63	85	9	5	1	-	4-6	9+	2500	0	*	66	60	57	-	-	3.4			
9 Harrogate ...	478	*	*	*	*	*	*	*	*	*	*	*	*	1016.4	-6	SW'S	3	C	62	95	7	6	2	-	9+	10	2500	0	*	68	59	57	-	-	11.2			
10 Spurn Head ...	29	1018.5	-2	WSW	2	C	63	95	6	-	2	-	0	7-8	1017.0	-4	SWW	4	C	55	95	6	5	3	-	7-8	9	2500	0	2	77	61	5	-	-	4.4		
Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	-10	SW'S	4	C	63	85	7	6	7	-	7-8	10	1500	0	*	71	59	58	-	-	0.1			
Tynemouth ...	100	1016.7	-14	W	1	O	62	85	6	6	-	10	10	1500	1014.2	-14	W	3	of	62	85	6	6	-	-	10	10	1500	1	1	72	61	59	-	-	2		
11 Inchkeith ...	190	1016.0	-20	W	1	rr	55	95	7	6	-	10	10	1500	1013.4	-2	NE	1	rf	54	95	3	5	-	-	10	10	450	1	1	63	54	53	Tr	11	0.5		
Leuchars ...	35	*	*	*	*	*	*	*	*	*	*	*	*	1014.4	-2	NW	1	d.d.	54	95	5	6	-	-	10	10	450	1	*	71	53	53	Tr	5	1.7			
12 Renfrew (Abbotts) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1013.1	-6	NE	1	dd	58	95	4	5	-	-	10	10	450	1	*	68	56	56	0.5	8	2.3			
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1013.7	-6	SW	3	rr	59	95	6	6	-	-	10	10	800	1	*	69	58	58	Tr	14	0.2			
13a Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	+2	NNE	2	C	56	95	8	5	7	-	4-6	7-8	2500	1	2	61	54	53	2	4	0.8			
13b Stornoway ...	34		-10	SW	1	C	55	95	8	8	6	-	4-6	7-8	1500		-6	NW	1	bc	57	85	8	-	7	-	2-3	4-6	1500	1	1	65	52	5	0.1	Tr	2.2	
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1014.5	-4	SE	1	C	52	95	7	3	2	-	4-6	9	450	1	*	65	50	50	Tr	3	2.6			
Aberdeen ...	37	*	*	*	*	*	*	*	*	*	*	*	*	1013.8	-2	WN	1	cfr	55	95	8	-	7	-	0	9	-	1	75	54	53	-	-	4.2				
Wick ...	81	1014.0	-8	SW	1	C	50	95	8	5	1	8	4-6	7-8	2500	1012.5	-4	W	2	bc	57	85	8	7	4	8	4-6	4-6	2500	0	2	61	49	5	0.6	1	4.2	
16 Lerwick ...	54	1011.5	-4	W'S	3	bc	53	95	8	5	-	4-6	4-6	1500	1010.1	0	W'S	3	C	55	85	9	8	-	-	7-8	7-8	1500	1	*	60	52	5	0.6	1	4.2		
17 Blacksod Point ...	18	1014.4	-12	SW	7	rr	60	95	7	9	-	10	10	450	1014.3	0	WSW	4	dd	61	95	7	6	-	-	10	10	450	1	4	62	59	5	1	11	0.5		
18 Malin Head ...	52	1014.0	-10	SW	2	rr	61	95	6	6	2	-	7-8	10	200	1012.9	0	WSW	3	DD	61	95	5	6	2	-	10	10	450	1	1	61	56	5	3	17	0.5	
Aldergrove ...	238	*	*	*	*	*	*	*	*	*	*	*	*	1014.7	-10	SW'S	4	66	61	95	8	6	-	-	10	10	450	1	*	66	60	58	0.1	1	0.5			
Donaghadee ...	40	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	-10																							

LONDON OBSERVATIONS.
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## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 26<sup>th</sup> JULY 1933.

No. 26179

STATIONS.	OBSERVATIONS at 13h. G.M.T. 25 <sup>th</sup> JULY														OBSERVATIONS at 18h. G.M.T. 25 <sup>th</sup> JULY														PAST 24 HOURS.											
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. op.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. op.	Humid. %	Visibility 0-9	Cloud.					State of Ground.	Sea.	WEATHER.											
			Dir.	Force.					Low.	Med.	High.	Low.	Total 0-10.			Height of Base (feet).	Low.					Med.	High.	Low.	Total 0-10.	Height of Base (feet).			7h.-18h. 25 <sup>th</sup> .	18h.-18h. 25 <sup>th</sup> .	18h. 25 <sup>th</sup> to 18h. 26 <sup>th</sup> .	18h.-18h. 26 <sup>th</sup> .								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	
(For heights see p. 4.)																																								
1 London (Kew)...	1018.9	-8	W	2	C	73	65	7	-	-	2	0	7-8	-	1017.1	-8	SW	2	b	84	35	8	-	-	-	0	0	-	0	-	cbc	bcb	bmo	bmo						
Croydon	1018.4	-8	W	3	bc	76	55	7	-	-	2	0	4-6	-	1017.2	-6	SW	3	b	80	45	8	-	-	-	0	0	-	0	-	bc	bcb	bmo	bmo						
S. Farnborough	1018.7	-10	WSW	3	bc	75	65	7	-	-	2	0	2-3	-	1017.2	-6	SW	2	b	78	45	8	-	-	-	0	0	-	0	-	om, sbc	bcb	bmo	bmo						
Winchester	1019.2	-12	WSW	2	b	69	75	7	1	-	1	1	2-3	1500	1017.6	-6	S	3	b	73	75	7	-	-	-	0	0	-	0	-	sfdd, om, bc	b	bmo	FF						
Boscombe Down	1018.7	-14	SW	2	bc	72	65	7	1	-	1	1	2-3	1500	1017.2	-8	SW	1	b	75	55	8	-	-	-	0	0	-	0	-	ad, cbc	bcb	b	bcoF						
Calshot, S'thmtn	1019.7	-6	S	3	bc	69	75	7	5	-	1	2-3	4-6	2500	1018.2	-6	SW's	4	b	67	75	7	-	-	-	0	0	-	0	-	om, bmo	bcb	bw	uffe						
Dungeness	1019.7	-6	S	3	F+	*	*	1	5	-	*	10	10	4150	*	SW	3	bc	*	*	*	6	5	-	*	2-3	2-3	1500	*	3	s	bc	*	offe						
Lympne	1019.0	-8	SW	3	bc	77	65	7	-	-	6	0	4-6	-	1018.8	-2	SSW	3	b	67	75	7	-	-	-	0	0	-	0	-	af cbc	bcb	bafe	Fcbf						
2 Shoeburyness	1018.2	-8	SW	3	bc	79	55	7	-	-	8	0	4-6	-	1017.0	-10	SSW	1	bc	79	65	7	-	-	-	0	2-3	-	0	-	bcb	bcb	b	bmo						
Felixstowe	1017.7	-6	W	2	bc	80	45	7	-	-	6	0	4-6	-	1016.9	-4	SE	3	bc	76	65	7	-	-	-	0	2-3	-	0	-	bcb	bcb	b	bmo						
Gorleston	1016.7	-2	NW	3	bc	77	65	6	1	-	1	4-6	4-6	4000	1016.8	-4	ESE	1	bc	69	85	6	1	4	-	-	1	4-6	4000	0	1	cm, m, c	bc	bcbm.	bcbm.					
Cranwell	1017.5	-2	W	3	C	74	65	7	7	6	-	4-6	7-8	4000	1016.2	-8	WSW	2	bc	77	55	7	1	-	-	-	4-6	4-6	4000	0	-	cm, bc	bc	bc	bcbw					
3 Birmingham	1018.2	0	SW	3	C	71	65	8	5	4	1	4-6	7-8	2500	1016.7	-4	SW	2	b	76	55	8	7	-	-	-	1	1	4000	0	-	bcc	bcb	b	bcc					
Upper Heyford	1018.5	-8	SW	2	C	73	75	7	7	-	2	2-3	7-8	2500	1015.8	-16	SSW	2	b	76	65	7	1	-	-	-	1	1	4000	0	-	ocbc	bcb	bmo	bfit					
Ross-on-Wye	1017.8	-4	SW	3	3	74	65	6	7	-	-	4-6	4-6	4000	1016.6	-10	SW	3	3	73	65	6	7	-	-	-	1	1	4000	0	-	C.3.	bcb	bmo	mwbmo					
4 Portland Bill	1019.8	+4	W	2	C	62	85	7	5	2	-	7-8	10	1500	1018.4	-4	W	2	b	62	85	8	-	-	-	0	0	-	0	-	oc	bcb	b	bcc						
Plymouth	1019.8	-6	S	3	b	64	75	7	7	-	-	1	1	2500	1018.6	-4	SSW	2	b	63	85	8	-	-	-	0	0	-	0	-	om, cb	b	b	bw						
The Lizard	1020.2	-4	WN	1	C	66	65	8	4	-	-	9	9	2500	1018.6	-6	W	1	b	65	75	8	7	-	-	-	1	1	4000	0	0	c	bcb	bcbw	b					
Scilly (St. Mary's)	1020.2	-4	WNW	1	C	63	75	8	5	-	-	10	10	4000	1018.8	-4	S	1	C	65	85	9	5	-	-	-	9	9	4000	0	0	c	cb	bcb	bcbcb					
Guernsey	1020.5	-4	ESE	1	b	67	75	8	-	-	-	0	0	-	1018.5	-10	ENE	1	b	64	85	7	-	-	-	0	0	-	0	-	cbcb	b	bw	bw						
5 Pembroke	1018.6	-4	SW	1	C	62	95	7	5	-	-	10	10	2500	1017.5	-8	SSW	1	C	63	85	7	5	-	-	-	10	10	2500	0	1	if, m, d, c	cec	cf, d, c	c					
Holyhead	1017.8	+2	SW's	4	01F	61	95	4	5	-	-	10	10	220	1016.8	-6	SSW	4	3	59	95	6	5	-	-	-	7-8	7-8	220	0	2	Ff, fo	if, m	m, f, eo	c					
Chester (Sealand)	1017.3	-4	WSW	2	bc	76	55	8	1	-	2	2-3	4-6	4000	1016.7	-4	W	2	bc	72	65	8	1	-	-	-	1	2-3	2-3	4000	0	-	cb	y, bc	bcb	c				
L'pool (Bidston)	1017.4	0	W	3	b	72	65	9	1	-	9	1	1	2500	1016.9	-4	NW	1	b	71	65	9	1	-	-	-	1	1	4000	0	-	cb	cb	bcb	bcb					
6 Harrogate	1015.9	-6	WSW	4	C	73	65	9	8	9	9	2-3	7-8	2500	1016.3	0	SWW	3	b	69	75	9	2	-	-	-	1	1	4000	0	-	cbc	bcb	b	bcc					
Spurn Head	1016.1	0	WN	4	bc	77	75	6	3	7	9	2-3	4-6	4000	1015.6	-2	NNW	3	C	70	85	6	5	7	-	-	1	4-6	7-8	2500	0	1	cbc	bcc	bcbw	bcb				
Catterick	1015.7	+4	SWS	3	C	66	85	8	5	9	-	4-6	7-8	1500	1015.6	-2	SW	3	bc	70	75	8	4	3	-	-	4-6	4-6	2500	0	-	c	cbc	bcb	bcb					
Tynemouth	1013.4	+4	W	2	C	69	75	7	6	-	-	7-8	7-8	1500	1014.4	0	W	2	C	70	75	7	2	6	-	-	4-6	7-8	2500	0	1	oc	c	c	cbmo					
7 Inchkeith	1014.7	+4	NE	1	ir	55	95	6	6	-	-	10	10	1500	1015.2	+6	NE	1	ir	56	95	8	6	-	-	-	10	10	2500	1	1	or, r, r	or, r	if, r, o	oc					
Leuchars	1015.1	+6	ESE	2	id	60	75	7	5	2	-	7-8	10	800	1015.3	-2	SSE	2	id	60	85	8	5	7	-	-	7-8	9	4000	1	-	od, r, r	od, r, r	c, d, c	ccmo					
Renfrew (Abbott)	1014.0	+6	E'S	1	qf	61	95	3	5	-	-	10	10	450	1013.9	-2	NE	1	ir	62	95	5	9	-	-	-	10	10	1500	1	-	rd, r, r	rd, r, r	or, m, o	or, m, o					
Eskdalemuir	1014.4	+6	SW	4	ir	62	95	6	6	-	-	10	10	800	1014.5	0	SWS	3	ad, d	62	95	6	6	-	-	-	10	10	800	1	-	od, r, r	od, r, r	or, m, o	or, m, o					
8 Tisee	1014.3	+4	N	2	bc	61	75	9	5	3	-	2-3	4-6	4000	1014.3	-4	N	2	C	60	75	9	5	7	-	-	-	4-6	7-8	4000	0	1	cbc	bcc	c	c				
Stornoway	1013.6	+6	NW	2	C	63	55	7	8	7	8	4-6	7-8	2500	1014.3	-2	0	C	60	65	9	8	6	-	-	-	4-6	9	1500	1	0	bcc	c	c	c					
Dalwhinnie	1013.6	0	E	1	bc	66	55	8	4	1	1	2-3	4-6	4000	1014.8	0	S	1	bc	63	65	8	4	4	-	-	2-3	4-6	2500	0	-	bc	bc	c	c					
Aberdeen	1014.6	+6	ESE	3	bc	63	65	8	2	4	9	4-6	4-6	4000	1014.8	0	SE	3	C	61	75	8	5	3	-	-	4-6	7-8	4000	0	1	cbc	cbc	bcc	c					
Wick	1013.4	+2	W	2	bc	63	75	6	4	6	1	4-6	4-6	2500	1013.9	0	NW	3	bc	62	75	8	8	-	-	-	3	4-6	4-6	2500	0	2	bc	bc	c	c				
Lerwick	1010.1	0	WS	4	C	58	75	9	8	4	-	7-8	9	1500	1010.6	+4	W	4	C	56	85	9	8	-	-	-	7-8	7-8	1500	0	-	c	cbcbpr	cpr	cpr					
9 Blackad Point	1014.8	+2	SW	4	C	66	85	8	5	4	-	4-6	7-8	800	1014.1	-4	SW	4	C	63	85	8	8	4	-	-	4-6	7-8	800	1	3	ad	id, c	pr, q, c	pr, q, c					
Malin Head	1014.8	+2	NE	1	C	58	95	7	8	2	-	7-8	9	450	1014.1	-4	E	1	C	60	95	7	8	2	-	-	7-8	10	450	1	0	ci, dm	ci, d	c	c					
Aldergrove	1015.0	+2	WS	4	qf	66	85	8	5	-	-	10	10	800	1015.0	0	SSW	1	ir	60	85	8	5	-	-	-	10	10	800	1	-	cr	cr	c, c	c					
Donaghadee	1014.5	+4	WSW	2	bc	70	75	8	8	3	2	4-6	4-6	2500	1014.5	0	-	0	C	69	65	8	5	-	-	-	7-8	7-8	1500	0	0	cpr, bc	bc	cpr	cpr					
10 Birr Castle	1017.2	0	SW	2	C	69	75	8	5	-	-	9	9	2500	1014.8	-8	SW	1	C	73	65	8	5	-	-	-	7-8	7-8	2500	0	-	c	c	c	c					
Valentia Obay.	1017.7	-4	SE	4	C	65	85	8	5	-	-	9	9	800	1015.4	-14	SE	4	cjp	63	85	8	5	-	-	-	9	9	800	0	2	oid, oc	c	c	c					
Roches Point	1017.7	-2	SW	3	bc	63	85	8	3	-	-	2-3	2-3	2500	1015.6	-8	SW	3	C	63	85	9	5	-	-	-	7-8	7-8	2500	0	3	cbc	bcb	coid	coid					



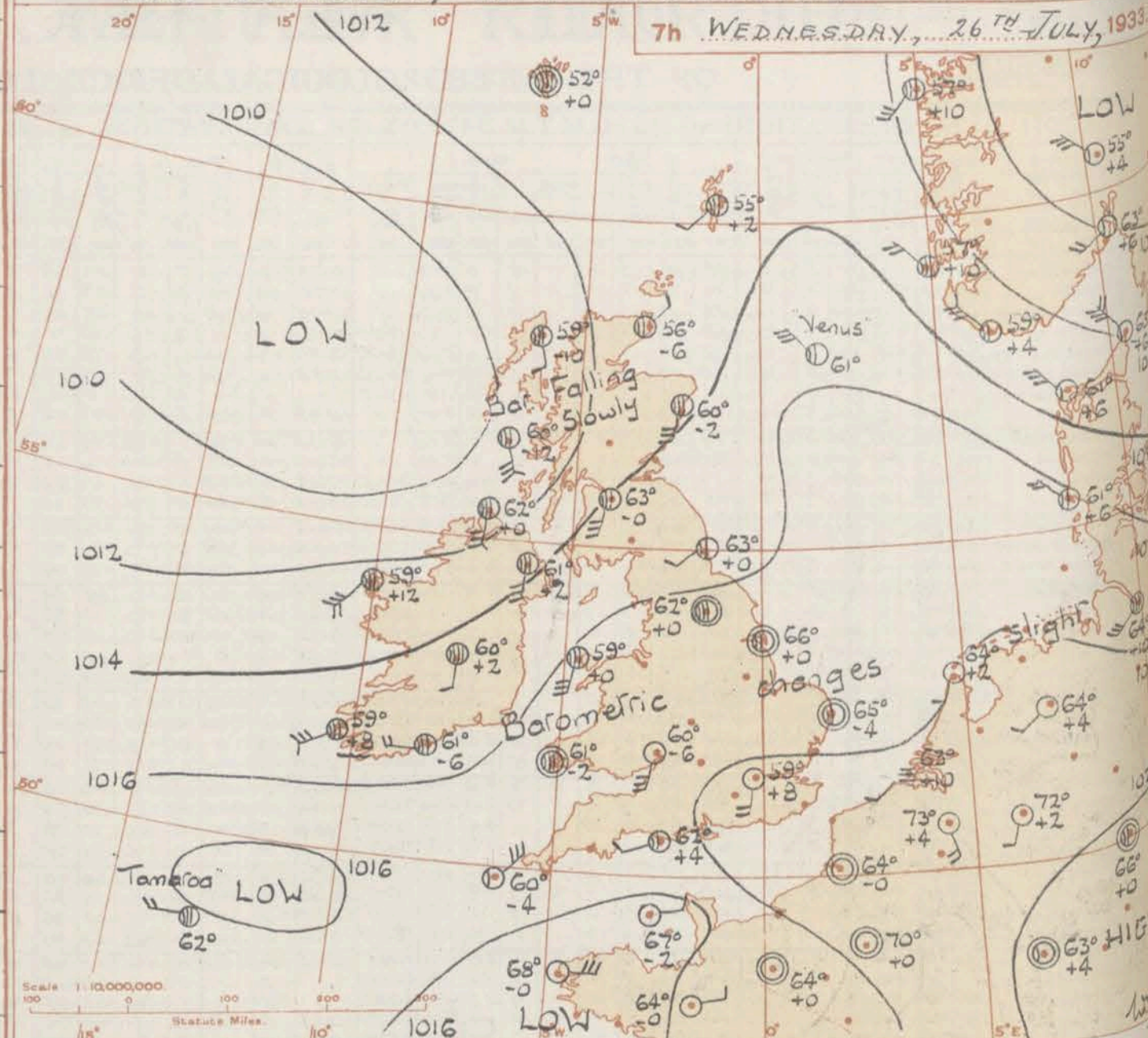
# REPORTS from HEALTH RESORTS for 25<sup>th</sup> JULY 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 24 <sup>h</sup> to 25 <sup>h</sup> .	Max. 25 <sup>h</sup> to 26 <sup>h</sup> .	Night 24 <sup>h</sup> to 25 <sup>h</sup> .	Day 25 <sup>h</sup> to 26 <sup>h</sup> .	Sunrise to 17 <sup>h</sup> .	Sunrise to Sunset.
1 Tunbridge W.	b	b	54	81	-	-	9.7	12.0
Bournemouth	b	b	57	75	Trace	-	5.6	11.4
Ventnor	omc	b	59	68	-	-	5.6	12.9
Southsea	ocb	b	60	75	-	-	5.5	12.5
Bognor Regis	ocbcb	bcbcb	58	68	-	-	6.2	12.3
Littlehampton	cbe	bcb	57	67	-	-	6.8	12.9
Worthing	cbe	bcbcb	60	68	-	-	7.1	12.4
Brighton	oc	bcb	59	68	-	-	3.0	12.6
Eastbourne	bcb	bcbcb	61	68	-	-	9.4	10.7
Hastings	bcb	bcbcb	59	72	-	-	9.9	12.5
Folkestone	bc	bcb	57	71	-	-	7.2	10.7
Dover	mcbfoc	cifbc	59	68	-	-	2.6	7.7
Deal	b	b	60	80	-	-	10.5	12.4
Ramsgate	b	b	66	80	-	-	10.4	12.4
Margate	bcb	bcb	62	82	-	-	10.7	12.5
2 Southend	b3	b3	62	83	-	-	10.3	12.4
Maldon	b	b	58	85	-	-	10.1	10.7
Clacton-on-Sea	bcb	bcb	61	82	-	-	10.1	11.0
Dovercourt	bcb	b	61	85	-	-	10.2	11.2
Lowestoft	b	b	67	84	-	-	8.2	13.3
Skegness	3.0b	cbe	59	80	-	-	7.5	12.7
Mablethorpe	cbe	bcb	58	80	-	-	5.6	12.1
Cleethorpes	cbe	bcb	58	80	-	-	7.3	11.4
3 Leamington S.	ocbcb	bcb	58	73	-	-	6.6	10.7
Cheltenham	omwcb	bcb	58	76	-	-	5.8	12.3
4 Bath	c	cbe	60	75	Trace	-	3.6	13.0
Weymouth	mcb	b	58	69	-	-	4.6	13.9
Jersey	bcb	b	60	72	-	-	8.3	14.3
Torquay	id.03	ocb	59	66	Trace	-	5.8	13.9
Penzance	cob	b	57	69	-	-	5.8	1.0
St. Ives	o	b	56	64	-	-	4.5	4.7
Bude	omcbcb	bcb	57	66	Trace	-	4.2	3.4
Ilfracombe	c	bcb	60	66	0.1	-	3.8	4.2
6 Aberystwyth	c	c	60	67	-	-	1.5	0.1
Llandudno	bcb	bcb	60	72	-	-	7.7	5.2
Colwyn Bay	cbe	bcb	62	75	-	-	6.9	5.7
Rhyl	cbe	bcb	52	75	-	-	4.6	5.1
8 Wallasey	cbe	b	61	74	-	-	7.1	4.0
Southport	ocbcb	b	61	71	-	-	7.5	2.3
Blackpool	cbe	bcb	61	70	-	-	8.3	0.5
Morecambe	cdpbc	bcb	62	70	-	0.3	2.2	0.4
9 Ilkley	c	c	60	75	-	-	0.4	2.6
Berwick-on-T.	oR	Ro	56	58	3	4	0.0	1.7
Dunbar	cro	cro	54	57	9	1	0.0	0.6
12 Troon	ro	ro	57	64	20	1	0.0	0.5
Douglas	cbe	cbe	57	70	0.5	-	1.6	0.1

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. ‡ Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7<sup>th</sup> WEDNESDAY, 26<sup>th</sup> JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th July, 1933.
1 S.E. England	Light variable wind; fine; local coastal morning fog; very warm, especially inland.
2 E. England...	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light southwest to variable wind; cloudy, bright intervals; local showers or drizzle at first; rather warm.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 6.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W. Scotland B.N.W. Scotland	Light or moderate southwest wind; cloudy, some showers, bright intervals; rather warm.
14 Mid-Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands.	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by a circle with a dot.  
WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 3/4 clouded. ☄ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. T Thunder. K Thunderstorm. ☁ Haze.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**GENERAL INFERENCE.**  
A belt of high pressure covers England, while shallow depressions off the Hebrides and over the Bay of Biscay are moving slowly northeast. Weather will be fine over most of England but there will be showers in Scotland and Ireland.

**FURTHER OUTLOOK.**  
Not much change; continuing very warm in England, with perhaps a few local thunderstorms.

Forecasts issued at 0940 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

JULY, 1933

LOW

LOW

LOW

LOW

LOW

LOW

LOW

LOW

LOW

LOW



England  
rides  
slowly  
or most  
in

warm  
thunder

B., D.Sc., F.R.S.  
Director



STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 26 <sup>th</sup> JULY														OBSERVATIONS at 7 hr. G.M.T. 26 <sup>th</sup> JULY														PAST 24 HOURS.								
	Height above sea level in feet.	Barom. at station.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.						Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.						State of ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine in day.
				Direc.	Force.					Low.	Med.	High.	Low.	Total.	Height of base (feet).			Form.	Amount.					Low.	Med.	High.	Low.	Total.	Height of base (feet).			Max. Day 7h-12h of.	Min. Night 12h-7h of.	Min. on Grass of.	Day 7h-12h mm.	Night 12h-7h mm.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		

1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	1018.3	+4	SW	2	b	64	85	5	-	-	-	0	0	-	0	*	84	58	48	-	-	11.0			
	Croydon	217	1017.8	+4	SW	2	b	59	95	6	-	-	0	0	-	1018.5	+8	SW	2	30	59	95	6	-	-	0	0	-	0	*	81	55	53	-	-	13.0		
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	1018.0	+2	SSW	1	bfg	61	85	6	-	-	-	0	0	-	0	*	82	48	38	-	-	9.6			
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	1018.1	+4	S	1	R	55	95	1	5	-	-	10	10	<150	0	*	78	51	46	-	-	2.4			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1018.1	+2	-	0	F	56	95	1	5	-	-	10	10	<150	0	*	77	52	48	-	-	8.7			
	Calshot (S' thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	1018.0	+2	ESE	1	bci	61	95	4	5	-	-	4-6	4-6	800	0	0	72	56	50	-	-	13.2			
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	1018.0	+2	SW	1	m	61	95	4	5	-	-	3	3	450	0	0	70	55	5	-	-	13.2			
	Lymington	346	1018.7	-2	SW	3	F	58	95	1	5	-	-	10	10	<150	1018.9	+2	WSW	1	bf	54	95	2	-	-	0	0	-	0	*	78	51	52	-	-	13.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1018.2	+4	WS	2	b	66	85	6	-	-	-	0	0	-	0	*	83	59	47	-	-	11.5			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1017.3	+2	SWW	1	30	64	85	5	-	-	-	0	0	-	0	0	84	58	53	-	-	9.3			
	Gorleston	5	1017.1	-2	-	0	b	65	95	6	-	-	-	0	0	-	1016.6	-4	-	0	bc	65	85	5	-	7	-	0	2-3	-	0	1	79	63	57	-	-	8.3
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1016.5	-2	SE'E	1	bc	64	95	6	-	5	1	0	4-6	-	0	*	79	55	49	-	-	9.3			
3	Birmingham	335	*	*	*	*	*	*	*	*	*	*	*	1017.4	0	SW	2	c	61	95	8	5	-	-	9+	9+	2500	0	*	78	58	44	-	-	9.3			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1017.9	+2	SSW	1	bif	57	95	8.2	-	-	-	0	0	-	0	*	78	50	44	-	-	7.2			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1017.5	-6	SSW	3	30	60	95	6	-	-	-	0	0	-	0	*	76	53	45	-	-	9.1			
5	Portland Bill	32	1018.0	+2	W	1	b	60	95	7	-	-	-	0	0	-	1018.1	+4	W	1	bc	62	95	7	4	-	-	4-6	4-6	2500	0	2	63	56	45	-	-	9.1
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1017.6	+2	-	0	bfs	57	95	7	-	-	-	0	0	-	0	0	65	52	45	-	-	9.1			
	The Lizard	240	1017.7	-4	-	0	b	57	95	8	-	-	-	0	0	-	1017.1	0	NW	2	of	60	95	3	5	-	-	10	10	800	0	0	67	55	4	-	-	1.8
	Scilly (St. Mary's)	163	1018.0	-6	E'S	2	b	58	95	8	-	-	-	0	0	-	1017.1	-4	NE'E	3	b	60	95	7	1	-	-	1	1	4000	0	1	67	56	8	-	-	11.1
	Guernsey	175	1018.6	-4	-	0	b	58	95	8	-	-	-	0	0	-	1016.9	-2	E	1	b	67	75	7	-	-	-	0	0	-	0	1	68	58	51	-	-	11.1
6	Pembroke	142	1017.0	0	SW	2	c	60	85	7	5	2	-	4-6	10	2500	1016.8	-2	-	0	c	61	95	7	5	5	-	4-6	7-8	4000	0	0	65	59	8	-	-	0.1
7	Holyhead	26	1016.9	-2	S	3	0	59	95	6	5	-	-	10	10	800	1016.2	0	SSW	3	c	59	95	8	6	-	-	10	10	800	1	1	63	57	57	-	-	0.2
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1016.6	0	S'E	1	30	59	85	6	5	-	-	7-8	7-8	1500	0	*	78	54	47	-	-	9.8			
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	1016.7	0	-	0	c	61	85	7	5	-	-	9+	9+	2500	0	*	72	60	55	-	-	9.3			
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	1016.2	0	-	0	c	62	85	5	5	-	-	9	9	2500	0	*	73	58	48	-	-	6.5			
10	Spurn Head	29	1016.9	+2	-	0	bc	64	95	7	-	2	-	0	2-3	-	1016.3	0	-	0	bc	66	95	6	5	2	8	2-3	4-6	2500	0	1	78	60	*	-	-	5.1
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1016.4	+4	ESE	1	befy	58	95	7	5	3	2	1	4-6	<150	0	*	70	52	47	-	-	5.1			
	Tynemouth	100	1015.7	0	W	1	c	64	85	7	4	-	-	7-8	7-8	4000	1015.2	0	WSW	1	bc	63	85	5	4	-	1	4-6	4-6	4000	0	1	70	59	55	-	-	5.1
11	Inchkeith	190	1015.5	+4	-	0	0	56	95	8	5	-	-	10	10	2500	1014.6	-4	NE	1	c	59	95	8	5	-	-	9	9	2500	0	0	57	56	52	4	0.4	0.0
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	1014.7	-2	-	0	c	59	95	6	5	1	-	9+	10	3700	1	*	62	54	48	1	Tr	0.6	0.0		
12	Renfrew (Abbotts L)	18	*	*	*	*	*	*	*	*	*	*	*	1014.0	0	S'W	3	c	63	95	7	9	9	9	7-8	9	1500	1	*	64	58	57	4	0.6	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1013.4	+2	SSW	4	0	57	95	5	5	-	-	10	10	<150	1	*	63	57	56	3	3	0.0			
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1010.7	-12	SSSE	4	c	60	95	7	5	-	-	9+	9+	1500	0	3	62	56	53	-	-	9.7			
13b	Stornoway	34	-6	E	1	c	56	85	7	8	6	-	-	4-6	9+	1500	-10	SSSE	1	c	59	95	8	8	6	-	4-6	10	800	1	1	64	54	*	-	-	7.5	
14	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1013.4	-2	SW	2	c	59	95	8	3	2	-	-	4-6	10	800	1	*	69	54	54	-	-	6.2		
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	1013.8	-2	S'W	3	c	60	85	7	5	3	8	Tr	7-8	800	0	1	64	57	55	-	-	5.6			
	Wick	81	1014.7	+4	W	1	c	54	95	8	5	1	-	4-6	9	2500	1012.7	-6	ENE	1	bc	56	95	8	4	1	1	4-6	4-6	2500	0	2	64	52	*	-	-	9.4
16	Lerwick	54	1013.7	+8	W'N	2	c	52	95	8	4	5	-	2-3	7-8	1500	1013.4	+2	SW	1	c	55	85	8	8	7	-	4-6	9	1500	0	*	59	51	*	Tr	0.3	9.4
17	Blackhead Point	18	1011.4	-12	SW	6	q	60	95	7	8	-	-	7-8	7-8	800	1012.2	+12	WSW	5	q	59	95	8	8	-	-	7-8	7-8	1500	1	4	67	58	*	2	1	0.0
18	Malin Head	52	1013.1	-10	E	1	c	62	95	7	4	7	-	9+	9+	1500	1011.2	0	S'W	4	q	62	85	7	6	7	-	7-8	7-8	450	1	1	61	59	*	1	1	9.0
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	1015.5	+2	S'W	3	c	61	85	8	5	3	-	-	9	9+	800	1	*	68	59	54	0.4	Tr	0.2	9.0	
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	1013.9	+2	W	1	c	61	95	7	5	-	-	9	9	1500	0	0	73	58	*	Tr	0.2	9.4			
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	1014.6	+2	S	1	0	60	85	8	5	-	-	10	10	1500	0	*	74	58	51	-	-	4.4			
20	Valentia Obay.	30	1014.8	-10	SWW	1	id.	59	95	6	5	-	-	10	10	800	1015.8	+8	W'S	4	c	59	85	8	5	-	1	7-8	7-8	1500	1	3	65	57	54	Tr	1	0.5
	Roches Point.	22	*	*	*	*	*	*	*	*	*	*	*	1015.0	-6	W	2	c	61	95	8	3	-	-	7-8	7-8	2500	1	2	65	59	*	-	-	1	0.5		

LONDON OBSERVATIONS.										EXPLANATION OF FIGURES, LETTERS, etc.									
Day 7h-12h, Kew & Croydon.										COLUMNS 2, 16.									
9h-12h, Kensington.										The barometric tendency is expressed in									
10h-12h, other stations except										tenths of a millibar.									
Greenwich & Hamptstead rainfall, 9h-12h.										COLUMNS 4, 18.									
										The BEAUFORT SCALE OF WIND is used									
										only for surface observations. In the ac-									
										companying table the speed of the wind									
										corresponding with the different numbers is									
										the speed at about 30 feet above the ground.									
										COLUMNS 8, 22.—Code for									
										surface visibility.									
										Objects not visible at									
										0 Dense fog 55 yards.									
										1 Thick fog 220 "									
										2 Fog 550 "									
										3 Moderate fog 1,100 "									
										4 Mist or haze 1 1/2 miles.									
										5 Poor visibility 2 1/2 "									
										6 Moderate " 6 1/2 "									
										7 Good " 12 1/2 "									
										8 Very good " 31 "									
										9 Excellent " beyond 31m.									
										COLUMNS 30.—Code for									
										State of Sea.									
										0 Calm. 5 Very rough.									
										1 Smooth. 8 High.									
										2 Slight. 7 Very high.									
										3 Moderate. 8 Precipitous.									
										4 Rough. 9 Confused.									

FOREIGN OBSERVATIONS.										PAST 24 HOURS.									
25 <sup>th</sup> JULY										26 <sup>th</sup> JULY									
7h. G.M.T.										Past 24 Hours.									
Barom. Wind. Weather. Temp.										Max. Min. Rainfall.									
mb. Direc. Force. °F.										Day Night °F. Day Night mm.									
STATIONS.																			
PARIS																			



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 27<sup>th</sup> JULY 1933.

No. 26180

DISTANCE.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 26 <sup>th</sup> July														OBSERVATIONS at 18h. G.M.T. 26 <sup>th</sup> July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-12	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Direc.	Force					Form.	Amount.	Height of Base (feet)			Form.	Amount.					Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Th.—13h. 26 <sup>th</sup>	13h.—18h. 26 <sup>th</sup>	18h. 26 <sup>th</sup> to 1h. 27 <sup>th</sup>	1h.—7h. 27 <sup>th</sup>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																															(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
(For heights see p. 4.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

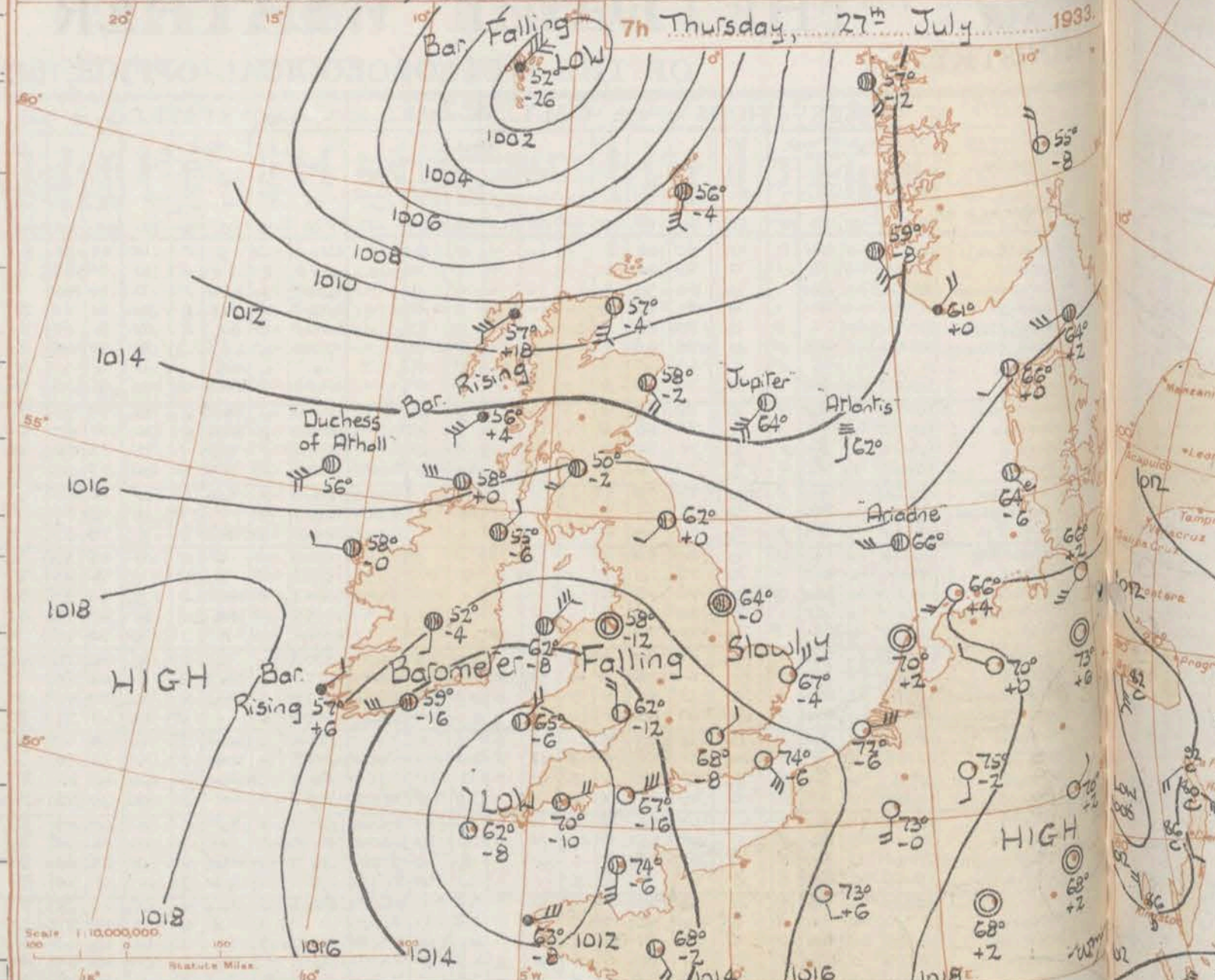


# REPORTS from HEALTH RESORTS for 26<sup>th</sup> JULY 1933.

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Min. 9h. to 2h.	Max. 2h. to 9h.	Night. 9h. to 2h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunrise to Sunset.
1 Tunbridge W.	b	b	49	88	-	-	8.8	12.0
Bournemouth	cb	b	50	83	-	-	8.9	8.3
Ventnor	bcbb	b	58	78	-	-	10.7	7.4
Southsea	b	b	57	81	-	-	11.0	7.8
Bognor Regis	b	b	54	73	-	-	10.4	8.4
Littlehampton	b	b	51	76	-	-	10.9	9.4
Worthing	b	b	56	75	-	-	9.9	9.7
Brighton	b	b	60	73	-	-	9.8	4.2
Eastbourne	b	b	58	74	-	-	11.1	11.4
Hastings	b	b	56	79	-	-	10.2	12.2
Folkestone	b	b	54	81	-	-	10.6	9.1
Dover	mb	b	56	75	-	-	9.7	4.3
Deal	b	b	55	85	-	-	11.9	13.0
Ramsgate	b	b	60	(84)	-	-	11.7	12.5
Margate	b	b	55	83	-	-	11.9	13.0
2 Southend	b3	b3	60	86	Trace	-	11.1	12.2
Maldon	b	b	53	88	-	-	11.3	12.0
Clacton-on-Sea	bmb3	b3	61	77	-	-	12.0	12.0
Dovercourt	b	b	58	86	-	-	12.0	12.1
Lowestoft	b	b	60	87	-	-	11.8	9.8
Skegness	3.b	b	60	82	-	-	12.3	9.1
Mablethorpe	bcb	bcb	56	82	-	-	11.5	6.9
Cleethorpe	b	b	57	82	-	-	11.2	8.2
3 Leamington S.	cbc	bc	56	81	-	-	8.9	8.1
4 Cheltenham	bmb	b3	55	82	Trace	-	8.7	7.9
5 Bath	bc	b	59	83	-	-	7.9	6.5
Weymouth	cb	by	52	75	-	-	9.9	6.5
Jersey	b	b	62	89	-	-	12.0	10.7
Torquay	cmw	bcb	53	76	-	-	8.1	8.2
Penzance	bc	b	63	76	-	-	10.6	7.5
St. Ives	b	b	55	65	-	-	11.1	6.9
Bude	cb	b	52	78	-	-	8.3	5.9
Ilfracombe	ocbc	b	60	68	-	-	6.8	5.7
6 Aberystwyth	c	cbc	60	70	-	-	4.9	1.5
7 Llandudno	bc	bcb	53	71	-	-	7.8	10.2
Colwyn Bay	bcb	bcb	55	74	-	-	6.5	9.7
Rhyl	bc	bcb	55	72	Trace	-	6.5	7.3
8 Wallasey	cb	b	60	72	-	-	7.1	9.7
Southport	ocbc	b	60	71	-	-	6.9	10.2
Blackpool	cb	bcb	59	70	-	-	6.7	10.1
Morecambe	bcb	b	60	67	-	-	4.1	3.8
9 Ilkley	b	b	54	74	-	-	9.3	2.8
10 Berwick-on-T.	c	bc	56	70	o/b	-	4.4	0.0
11 Dunbar	rbc	bc	55	73	Trace	-	3.4	0.0
12 Troon	oc	cb	60	66	-	-	2.4	0.0
Douglas	c	cb	56	66	Trace	-	3.4	1.6

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. to 9h. ‡ Min. Temp. 17h. to 9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th July, 1933.
1 S.E. England	Light or moderate southeast wind, veering southwest or west later; fine today, probably thunderstorms tonight; hot today, cooler tomorrow.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light or moderate variable wind, becoming northwesterly; occasional rain and local thunderstorms; warm or very warm today, cooler tomorrow.
6 South Wales	
7 North Wales	
8 N.W. England	Light or moderate easterly wind; variable later; fine at first, occasional rain and local thunderstorms later; very warm; cooler tomorrow.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Light variable to northeast wind; cloudy, occasional rain; rather warm.
12 S.W. Scotland & Isle of Man	
13 A.W. Scotland, B.N.W. Scotland	Moderate westerly wind, becoming light later; bright intervals and showers; moderate temperature.
14 Mid-Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Light variable wind; fair; moderate temperature.
18 N.E. Ireland	
19 S.E. Ireland	Light or moderate north or northwest wind; cloudy, occasional rain; fair tomorrow; moderate temperature.
20 S.W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars.  
**WIND.** Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by a circle with a dot. **TEMPERATURE** is given in degrees Fahrenheit.  
**WEATHER SYMBOLS.** ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 1 clouded. ☄ Sky 1 to 1 1/2 clouded. ☁ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Storm. ☁ Fog. ☁ Mist. ⚡ Thunder. ⚡ Thunderstorm. ☁ Haze.  
**SEA DISTURBANCE.** Rough. High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A depression over the Faroes and a shallow depression over the Western Channel are both moving north-north-east. Rain and thunderstorms will occur locally but fine weather will continue till this evening in Eastern England.

### FURTHER OUTLOOK.

Mainly fair except perhaps in northwest districts; cooler than of late over England and Wales.

Forecasts issued at 0940 G.M.T.

G. C. SIMPSON, O.B., D.Sc., F.R.S.

BAROMETER.  
 WIND. ARROW.  
 ☉ - Calm.  
 TEMPERATURE.  
 WEATHER is given.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



All times are G.M.T. Add one hour to get summer time.  
 Clarke's Projection Scale 1 : 4 x 10<sup>7</sup> along meridian at 55° N  
 Statute Miles 0 100 200 300 400 500

## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with the wind. Number of feathers indicate Beaufort Force.  
 ☉ - Calm.  
**TEMPERATURE** is given in degrees F.  
**WEATHER** is given in Beaufort Notation (see page 1) and by symbols (see opposite page).



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

DATE.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 27 <sup>th</sup> JULY														OBSERVATIONS at 7 hr. G.M.T. 27 <sup>th</sup> JULY														PAST 24 HOURS.												
		Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility in miles.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility in miles.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs.						
					Direc.	Force.					Low.	Med.	High.	Low.	Total.			Direc.	Force.					Low.	Med.	High.	Low.	Total.			Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.							
																																					Form.	Amount.	Height of Base (feet).	Form.	Amount.	Height of Base (feet).
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)							
1	London (Kew)...	18	*	*	*	*	*	*	*	*	*	*	*	1014.4	-6	E'N	3	b	71	65	5	-	-	-	0	0	-	0	*	88	67	56	-	-	13.8							
	Croydon	217	1016.3	-6	-	0	b	65	85	6	-	-	0	0	1014.5	-8	ENE	1	3	68	75	6	-	-	-	0	0	-	0	*	87	62	58	-	-	13.5						
	S. Farnborough	237	*	*	*	*	*	*	*	*	*	*	*	1013.7	-8	E	1	b	69	75	6	-	-	-	0	0	-	0	*	88	56	48	-	-	14.2							
	Winchester	275	*	*	*	*	*	*	*	*	*	*	*	1013.1	-8	NNE	1	b	67	85	7	-	-	-	0	0	-	0	*	84	55	55	-	-	10.9							
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1013.0	-10	E	3	b	65	75	6	-	-	-	0	0	-	0	*	84	63	57	-	-	9.2							
	Calshot (S'thmtn)	8	*	*	*	*	*	*	*	*	*	*	*	1013.3	-6	E	2	b	71	75	6	-	-	-	0	0	-	0	1	78	64	57	-	-	13.0							
	Dungeness	20	*	*	*	*	*	*	*	*	*	*	*	*	*	E	2	b	*	*	6	-	-	*	0	0	-	*	0	81	63	*	-	-	11.5							
	Lympe	346	1017.1	-10	E	3	b	71	55	7	-	-	0	0	1015.1	-6	SE	3	b	74	65	7	-	-	-	0	0	-	0	*	81	67	64	-	-	13.6						
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1015.1	-6	E	3	b	71	85	6	-	-	-	0	0	-	0	*	86	62	53	-	-	13.2							
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1015.6	-14	NE'E	3	b	71	75	7	-	-	-	0	0	-	0	2	82	61	56	-	-	14.0							
	Gorleston	5	1018.2	+4	-	0	b	68	75	7	-	-	0	0	1016.4	-4	ENE	2	b	67	85	6	-	-	-	0	0	-	0	2	84	64	56	-	-	13.3						
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1016.6	-12	NE'E	2	bc	63	85	7	5	3	-	2.3	2.3	7200	0	*	80	54	49	-	-	11.0							
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1015.1	-10	NE	3	b	64	75	5	-	-	-	0	0	-	0	*	79	61	48	-	-	12.5							
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1014.1	-14	E	3	3	67	75	6	-	-	8	0	2.3	-	0	*	82	63	56	-	-	12.5							
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1013.8	-12	NNW	2	3	62	85	5	1	-	-	1	1	4000	0	*	80	58	51	-	-	12.5							
5	Portland Bill	32	1014.4	-6	E	3	b	70	65	8	-	-	0	0	1012.1	-16	E	3	b	67	85	7	-	-	-	0	0	-	0	2	70	62	*	-	-	13.6						
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1011.0	-10	E	2	bc	70	65	7	7	-	-	4	2.3	4.6	4000	0	0	83	65	59	-	-	13.6						
	The Lizard	240	1013.4	-12	N'E	3	b	64	85	7	-	-	0	0	1011.0	-6	NE	2	bc	65	95	7	7	7	-	1	2.3	4000	0	1	71	61	*	-	-	14.2						
	Scilly (St. Mary's)	163	1013.3	-14	NE'E	3	b	60	95	7	-	-	0	0	1010.9	-8	N'E	1	bc	62	95	6	-	-	-	0	2.3	-	0	1	67	58	*	-	-	14.1						
	Guernsey	175	1014.6	-12	-	0	b	68	85	8	-	-	0	0	1012.4	-6	S'W	3	bc	74	65	7	7	-	-	4.6	4.6	4000	0	2	76	63	55	-	-	5.3						
6	Pembroke	142	1014.7	-8	NE	3	b	62	85	7	5	-	1	1	1011.5	-16	NE	2	3	65	85	6	5	7	1	2.3	4.6	4000	0	1	68	59	*	-	-	6.7						
7	Holyhead	26	1016.7	-8	N'W	1	bc	59	95	6	5	-	2.3	2.3	1013.1	-8	NNE	4	c	62	95	6	5	-	-	9	9	7200	0	2	68	58	50	Tr.	-	8.4						
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1015.9	-12	-	0	3	58	95	5	-	-	4	-	0	1	-	0	*	74	52	47	-	-	9.0						
8	L'pool (Bidston)	198	*	*	*	*	*	*	*	*	*	*	*	1016.1	-6	ESE	1	bc	63	85	5	5	-	-	4.6	4.6	1500	0	*	69	60	56	-	-	9.0							
9	Harrogate	478	*	*	*	*	*	*	*	*	*	*	*	1017.1	0	SW	1	3	62	85	6	-	5	-	0	1	-	0	*	72	54	49	-	-	13.2							
10	Spurn Head	29	1017.4	+2	N	3	bc	64	85	7	-	2	-	0	2.3	1016.6	0	-	0	c	64	85	7	5	3	-	4.6	7.8	4000	0	1	82	60	*	-	-	9.4					
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1017.2	0	SE	1	bc	57	95	8	5	-	-	4.6	4.6	4000	0	*	74	49	45	-	-	*							
	Tynemouth	100	1016.5	0	W	1	bc	62	85	7	2	-	2.3	2.3	1016.5	0	SW	1	bc	62	85	5	5	-	-	2.3	2.3	1500	0	0	77	56	53	-	-	*						
11	Inchkeith	190	1015.7	0	SW	3	bc	56	85	8	5	-	4.6	4.6	1016.0	+2	SW	3	c	55	85	8	5	3	6	2.3	9	2500	0	2	66	54	50	-	-	4.0						
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	1015.5	-2	SW	3	c	56	85	7	4	4	2	Tr.	7.8	4000	1	*	69	48	39	-	-	3.2							
12	Renfrew (Abbotts)	18	*	*	*	*	*	*	*	*	*	*	*	1016.1	-2	SW	2	c	57	85	8	5	4	2	4.6	9	2500	1	*	68	49	41	Tr.	-	3.8							
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1017.0	-2	-	0	c	50	95	8	-	7	2	0	9	-	1	*	65	43	39	0.5	-	2.1							
13a	Tires	22	*	*	*	*	*	*	*	*	*	*	*	1014.3	+4	WSW	4	id.	56	95	7	6	7	-	4.6	7.8	1500	1	3	63	56	54	-	0.1	1.0							
13b	Stornoway	34	-2	SW	7	c/d	56	95	6	8	6	-	4.6	9	1500	+18	WSW	4	id.	57	85	8	9	7	-	7.8	9	800	1	2	62	56	*	1	0.5							
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1014.0	0	S	3	c	54	75	8	3	2	-	7.8	9	2500	0	*	69	51	44	Tr.	-	6.3							
	Aberdeen	37	*	*	*	*	*	*	*	*	*	*	*	1013.6	-2	SE	2	bc	58	65	7	1	5	8	Tr.	4.6	2500	0	1	70	52	48	-	-	3.4							
	Wick	81	1010.9	+2	WSW	3	c	55	95	8	4	4	1	4.6	7.8	1010.0	-4	SSW	4	bc	57	85	8	8	4	8	4.6	4.6	2500	0	2	67	54	*	-	-	2.9					
16	Lerwick	54	1010.1	-2	-	0	bc	57	85	8	5	4	8	2.3	4.6	1008.9	-4	SSW	4	c	56	85	8	5	3	-	4.6	7.8	1500	0	*	59	54	*	-	-	*					
17	Blacksod Point	18	1017.6	+4	W	1	bc	55	85	8	-	4	-	0	4.6	1016.9	0	W	1	c	58	85	9	8	-	9	4.6	7.8	800	0	1	64	54	*	Tr.	-	4.8					
18	Malin Head	52	1016.5	-4	N'S	4	b	56	85	7	4	-	1	1	2500	1015.9	0	W	3	c	58	75	7	5	1	-	4.6	10	2500	0	1	65	55	*	0.2	-	5.0					
	Aldergrove	238	*	*	*	*	*	*	*	*	*	*	*	1016.7	-6	NE	1	c	55	95	8	5	7	-	4.6	10	5700	1	*	70	50	41	-	-	*							
	Donaghadee	40	*	*	*	*	*	*	*	*	*	*	*	1016.6	0	WNW	1	c	56	85	8	5	3	-	4.6	7.8	2500	0	0	72	50	*	-	-	*							
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*																														

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTER
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S, etc.

—Code for  
ability.  
not visible at  
55 yards.  
220 "  
550 "  
100 "  
1 1/2 miles.  
2 1/2 "  
6 1/2 "  
12 1/2 "  
31 "  
beyond 31m.

—Code for  
sea.  
very rough.  
high.  
very high.  
precipitous.  
unfused.

Director.

Direction.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 21th. July													OBSERVATIONS at 18h. G.M.T. 21th. July													PAST 24 HOURS.									
		Barom. at M.S.L. mb.	Change in 5 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 5 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.											
				Direc.	Force.					Low.	Med.	High.			Direc.	Force.					Low.	Med.	High.			Th. - 15h. 21h.	15h. - 18h. 21h.	18h. - 21h. 21h.	Th. - 28h. 28h.								
																														Form.	Amount.		Height of Base. (feet)	Form.	Amount.		Height of Base. (feet)
																															Low.	Total 0-10			Low.	Total 0-10	
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)			
1	London (Kew)...	1012.7	0	SW	4	C	87	45	8	5	8	3	4-6	7-8	5700	1012.2	-22	S	2	bc	78	55	8	3	8	6	1	4-6	4000	0	•	b3-yay	cpr bc	beb	cy		
	Croydon ...	1012.9	0	SWW	5	C	89	35	8	5	9	2	2-3	7-8	4000	1012.5	-20	S	2	C	77	55	8	7	9	9	2-3	7-8	5700	0	•	b3-by	cy pr gr	beb be	c-bq		
	S. Farnborough ...	1012.7	+2	SWS	4	C	85	45	7	5	8	3	2-3	3+	7200	1012.2	-24	SW	2	bc	76	65	7	-	8	2	0	2-3	-	0	•	m-byay	c pr gr	beb	bu be w		
	Winchester ...	1012.9	+2	S	3	C/pr	77	55	7	5	7	-	4-6	10	5700	1012.5	-6	S	3	bc	75	65	8	-	8	1	0	2-3	-	0	•	bc pr y	c pr gr	beb	cbcb		
	Boscombe Down ...	1012.5	+2	S	3	ir	74	65	7	5	1	-	7-8	10	4000	1011.7	-8	SSW	3	bc	76	65	7	-	8	1	0	2-3	-	1	•	bc pr y	c pr gr	beb	beb be		
	Calshot, S'thmtn ...	1013.2	+2	S	2	u	73	75	7	5	7	-	4-6	9	2500	1013.1	-4	SSW	3	bc	72	75	7	5	-	1	2-3	2-3	4000	0	1	•	b	cpr	be	b	
	Dungeness ...	*	*	SSW	1	bc	*	*	6	4	3	-	Tr.	2-3	2500	*	*	NW	1	C	*	*	6	4	8	*	2-3	7-8	2500	*	1	•	b	bc	be	bc	
	Lympe ...	1014.4	-4	SSW	4	b	86	35	7	-	3	1	0	Tr.	-	1013.3	-8	NW	1	C	76	55	7	7	7	-	4-6	7-8	5700	0	•	by	bbyay	c pr l	cbbe		
2	Shoeburyness ...	1013.1	-10	SSE	3	bc	89	55	7	-	8	-	0	4-6	-	1012.1	-12	SW	2	C/pr	76	75	7	5	9	-	4-6	9	2500	0	•	b3-y	bbyay pr	c	bc		
	Felixstowe ...	1013.6	-14	E'N	2	3	75	75	6	-	8	-	0	1	-	1012.0	-6	SSW	1	C/pr	80	45	8	8	7	-	7-8	9	4000	0	0	•	b3	bbyay	cylt pr	bc	
	Gorleston ...	1014.1	-10	ESE	3	bc	69	75	6	-	8	1	0	2-3	-	1011.3	-12	SSW	3	C	82	46	6	8	6	-	4-6	9	2500	0	2	•	b	bbyay	cylt pr	bc	
	Cranwell ...	1012.2	-22	ENE	4	bc	82	55	7	1	-	1	2-3	2-3	7200	1009.3	-20	SW	4	C	76	55	7	5	7	-	4-6	9	5700	0	•	bbyay	bbyay	cbbe	cbcb		
3	Birmingham ...	1011.1	-10	SE	2	bc	82	45	7	-	4	6	0	4-6	-	1010.0	-4	S	3	bc	77	55	8	-	7	-	0	2-3	-	0	•	bbc	bc cb	b-c	cb		
	Upper Heyford ...	1012.3	-4	SSW	5	C	83	45	8	-	9	7	0	10	-	1011.0	-10	SW	3	bc	75	75	8	-	3	2	0	2-3	-	1	•	bc b, c	c r r, bc	beb	b		
4	Ross-on-Wye ...	1011.1	-8	SSW	3	3	82	55	6	-	9	-	0	9	-	1010.5	-4	WSW	4	3	78	55	7	1	-	-	Tr.	Tr.	4000	0	•	bc cb	cylt pr	bc cb	bbe		
5	Portland Bill ...	1014.8	0	W	4	C/pr	65	95	7	5	-	-	10	10	1500	1013.5	-6	SW	4	0	63	95	7	5	-	-	10	10	1500	0	3	•	bc pr	c pr	c bc	bbee	
	Plymouth ...	1013.1	+10	S	1	F+	63	95	1	5	-	-	10	10	4150	1014.2	+10	NW	6	q	66	85	6	5	-	-	7-8	7-8	800	0	2	•	bc pr	c pr	c bc	bbee	
	The Lizard ...	1013.2	+6	NW	2	3	67	85	5	5	-	-	10	10	2500	1014.1	+10	NNW	5	C	62	85	8	5	-	-	3+	3+	2500	0	2	•	bc pr	c pr	c bc	bbee	
	Scilly (St. Mary's) ...	1013.7	+10	NW	5	C	67	85	7	5	-	-	9+	9+	4000	1018.0	+20	NNW	4	b	64	75	8	5	-	1	1	1	4000	0	2	•	bc pr	c pr	c bc	bbee	
	Guernsey ...	1014.8	+16	SW	1	C	71	85	7	8	-	-	10	10	2500	1014.8	+8	WNW	4	bc	66	95	6	8	-	-	7-8	7-8	1500	0	2	•	bc pr	c pr	c bc	bbee	
6	Pembroke ...	1010.8	-4	NW	2	bc	71	75	6	1	-	1	2-3	4-6	4000	1015.4	+22	NNE	3	C	58	75	7	5	2	5	4-6	7-8	2500	0	2	•	bc 3	bc 3	bc	bc	
7	Holyhead ...	1013.1	-6	NNW	5	q	62	75	7	5	-	1	4-6	4-6	7200	1014.9	+14	NNW	4	C	57	85	8	5	-	-	3+	3+	4000	0	3	•	cm	bc cb	c bc	c	
	Chester (Sealand) ...	1010.8	-24	SE	4	3	82	45	6	5	8	6	4-6	7-8	5700	1012.8	+22	WNW	6	C	59	75	8	9	-	-	3	3	800	0	•	c3-y	q, r	c	cbe		
8	L'pool (Bidston) ...	1010.2	-16	SE	3	bc	73	55	7	5	-	-	4-6	4-6	1500	1012.2	+16	NW	6	q	58	75	7	9	2	-	3+	10	1500	0	•	3-bay	bc pr	c pr	c cv		
9	Harrogate ...	1013.5	-20	SE	3	C	74	55	7	-	8	7	0	7-8	-	1008.7	-26	SSE	1	C	69	65	7	-	7	-	0	7-8	-	0	•	bbee	bc	bc	bbe		
10	Spurn Head ...	1013.5	-8	E	5	C	66	85	7	5	7	-	4-6	7-8	4000	1007.9	-12	S	4	C	69	95	6	4	7	-	4-6	9	4000	0	2	•	cbcb	cpr	c bc	beq	
	Catterick ...	1012.9	-26	ESE	2	PR	73	65	8	9	-	-	9	9	4000	1008.4	-20	E'S	1	pr	70	65	7	3	-	7	4-6	10	4000	0	•	bc pr	cylt pr	pr q bc	q bc		
	Tynemouth ...	1014.4	-12	SE	2	bc	66	75	7	4	-	-	4-6	4-6	4000	1012.3	-16	NE	3	bc	62	95	7	9	-	-	4-6	4-6	1500	0	1	•	bc	bc	bc	bc	
11	Inchkeith ...	1014.6	-8	W	2	C	62	75	8	5	7	-	4-6	9+	2500	1014.1	-12	SW	1	r	53	95	3	6	-	-	10	10	450	1	1	•	C	c	c	c	
	Leuchars ...	1015.1	-2	W	3	C	64	65	8	5	7	-	4-6	9+	2500	1013.4	-12	SW	2	r r	56	95	6	6	2	-	10	10	800	1	•	bc w	c	c	c		
12	Renfrew (Abbotts) ...	1014.3	-12	NNW	2	C	62	75	8	4	7	1	4-6	9+	4000	1013.4	-6	WSW	1	r/r	56	95	6	5	-	-	3+	3+	2500	1	•	C	c	c	c		
	Exdalemuir ...	1013.8	-16	-	0	pr	63	65	8	3	2	-	9	10	5700	1012.2	-4	NNE	3	t/r	50	95	7	9	-	-	10	10	2500	1	•	cpr	c	c	c		
13	Three ...	1015.1	+4	WSW	3	C	59	85	7	5	-	-	7-8	7-8	1500	1014.0	-8	WN	3	C	58	85	7	5	7	-	4-6	7-8	1500	0	2	•	cpr	cpr	c	cpr	
14	Stornoway ...		+12	WSW	4	C	62	75	8	9	6	-	4-6	9	1500		0	W	2	C	59	75	8	8	6	-	4-6	10	1500	1	1	•	c id.	c id.	cpr	c	
15	Dalwhinnie ...	1014.3	0	SW	3	C	60	75	8	4	2	-	4-6	7-8	2500	1012.5	-12	SW	3	C	57	75	8	4	2	-	4-6	9	4000	0	•	C	C	C	C		
	Aberdeen ...	1013.5	0	SSW	3	C	66	85	8	1	7	-	1	7-8	1500	1012.2	-4	WSW	1	r r	60	85	6	6	2	-	4-6	10	2500	1	1	•	bay	crr	crr	crr be	
	Wick ...	1011.2	+8	W	4	bc	65	75	8	8	1	1	4-6	4-6	2500	1011.6	+2	W	3	C	62	85	8	8	1	-	7-8	9	1500	0	2	•	bc	bee	cpr crr	crr	
16	Lerwick ...	1008.2	0	SSW	4	C	56	95	7	5	2	-	4-6	10	1500	1007.5	-4	SSW	5	C	57	85	7	5	2	-	7-8	10	800	0	•	c id.	C	C	omeid.		
17	Blacksod Point ...	1017.4	+2	W	3	C	60	75	9	7	-	-	7-8	7-8	1500	1017.8	+2	W	3	bc	61	75	9	2	-	4	2-3	4-6	2500	0	2	•	C bc	bc	bc	R	
18	Malin Head ...	1015.9	-2	W	4	r	58	85	7	8	2	-	7-8	10	1500	1015.2	-6	WN	3	C	58	85	7	8	2	-	3	3	1500	1	1	•	C	cpr	cpr	bee	
	Aldergrove ...	1014.3	-4	NW	2	ir	57	85	7	9	7	-	4-6	10	1500	1015.7	0	WNW	3	C/pr	57	85	8	8	7	-	7-8	10	1500	1	•	C	cpr	cbe	bee		
	Donaghadee ...	1015.6	-	N	1	r, r	56	85	7	6	-	-	9	9	800	1015.2	-4	-	0	C/r	55	95	7	6	-	-	9	9	800	1	0	•	C, r	crr	cbe	bee	
19	Birr Castle ...	1017.3	+6	N	1	r r	56	95	7	6	-	-	10	10	2500	1017.1	+2	N	1	C	62	75	8	8	-	-	3	3	2500	1	•	air r r	rc	cbe	beorr		
20	Valentia Obsy. ...	1018.0	+16	NW	4	bc	63	75	9	8	-	1	4-6	4-6	1500	1019.7	+16	NNW	3	by p	62	65	9	2	-	1	2-3	2-3	2500	0	2	•	orr r r	bc l	beve	crr	
	Roche Point ...	1015.7	+10	N	3	ir	56	85	8	6	-	-	9	9	1500	1017.3	+2	NW	4	C	64	65	8	3	-	-	7-8	7-8	2500	0	3	•	C	C	cbe	C	

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

<p><b>COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.</b></p> <p>b, blue sky (not more than a quarter covered with cloud). bc, sky partly cloudy (one half covered). c, generally cloudy. d, drizzle. e, wet air. g, gloom. f, fog, visibility 220-1100 yds. F, thick fog, " less than 220 yds. fs, fog over sea (coast station). fg, fog on lower ground (inland station). m, mist, visibility 1100-2200 yds. h, hail. i, intermittent. p, precipitation within sight of station. ss, storm of drifting snow. sk, slight storm of drifting snow (generally low). KS, heavy storm of drifting snow (generally low). sk, slight storm of drifting snow (generally high). SK, heavy storm of drifting snow (generally high). KQ, line squall. o, overcast sky. p, passing showers.</p>	<p><b>COLUMNS 9, 23.—FORM OF LOW CLOUD.</b></p> <p>0 No low clouds. 1 Fair weather Cu. 2 Large Cu without anvil. 3 Cu-Nb. 4 St-Cu formed by the spreading out of Cu. 5 Layer of St or St-Cu. 6 Nimbus. 7 Fair weather Cu and St-Cu. 8 Large Cu (or Cu-Nb) and St-Cu. 9 Large Cu (or Cu-Nb) and Nb. <i>Note.</i>—Nimbus—ragged low clouds of bad weather.</p>	<p><b>COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.</b></p> <p>0 No medium clouds. 1 Typical A-St (thin). 2 Typical A-St (thick). (Sun or moon invisible). 3 Single layer of A-Cu or high St-Cu. 4 A-Cu in isolated bands. Individually decreasing (often lenticular). 5 A-Cu in bands (increasing). 6 A-Cu formed from the spreading out of Cu. 7 A-Cu associated with A-St or A-St with parts resembling A-Cu. 8 A-Cu Castellatus (or A-Cu in ragged fragments). 9 A-Cu in several layers generally associated with fibrous veils and a chaotic appearance of the sky.</p>	<p><b>COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.</b></p> <p>0 No cirriform cloud. 1 Fine Ci not increasing: sparse. 2 Fine Ci not increasing: abundant but not a continuous layer. 3 Anvil Ci (usually dense). 4 Fine Ci increasing: usually in tufts. 5 Ci or Ci-St increasing: still below 45° altitude: often in polar bands. 6 Ci or Ci-St increasing and reaching above 45° altitude: often in polar bands. 7 Veil of Ci-St covering whole sky. 8 Ci-St not increasing and not covering whole sky. 9 Ci-Cu predominating, and a little cirrus. (Ci-Cu may occur with any of the types 1 to 8).</p>
<p><b>COLUMNS 12, 13, 26, 27.</b></p> <p>The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than <math>\frac{1}{8}</math> of the sky. "9+" signifies an overcast sky with a few small openings.</p>	<p><b>COLUMNS 12, 13, 26, 27.</b></p> <p>The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than <math>\frac{1}{8}</math> of the sky. "9+" signifies an overcast sky with a few small openings.</p>	<p><b>COLUMN 29.—STATE OF GROUND.</b></p> <p>0 Dry. 1 Wet. 2 Flooded. 3 Covered with thawing snow. 4 Frozen hard and dry. 5 Covered with ice or glazed frost. 6 Partly covered by snow or hail. 7 Covered with snow, less than 6 ins., but ground not frozen. 8 Covered with snow, less than 6 ins., and ground frozen. 9 Covered with snow greater than 6 ins.</p>	

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

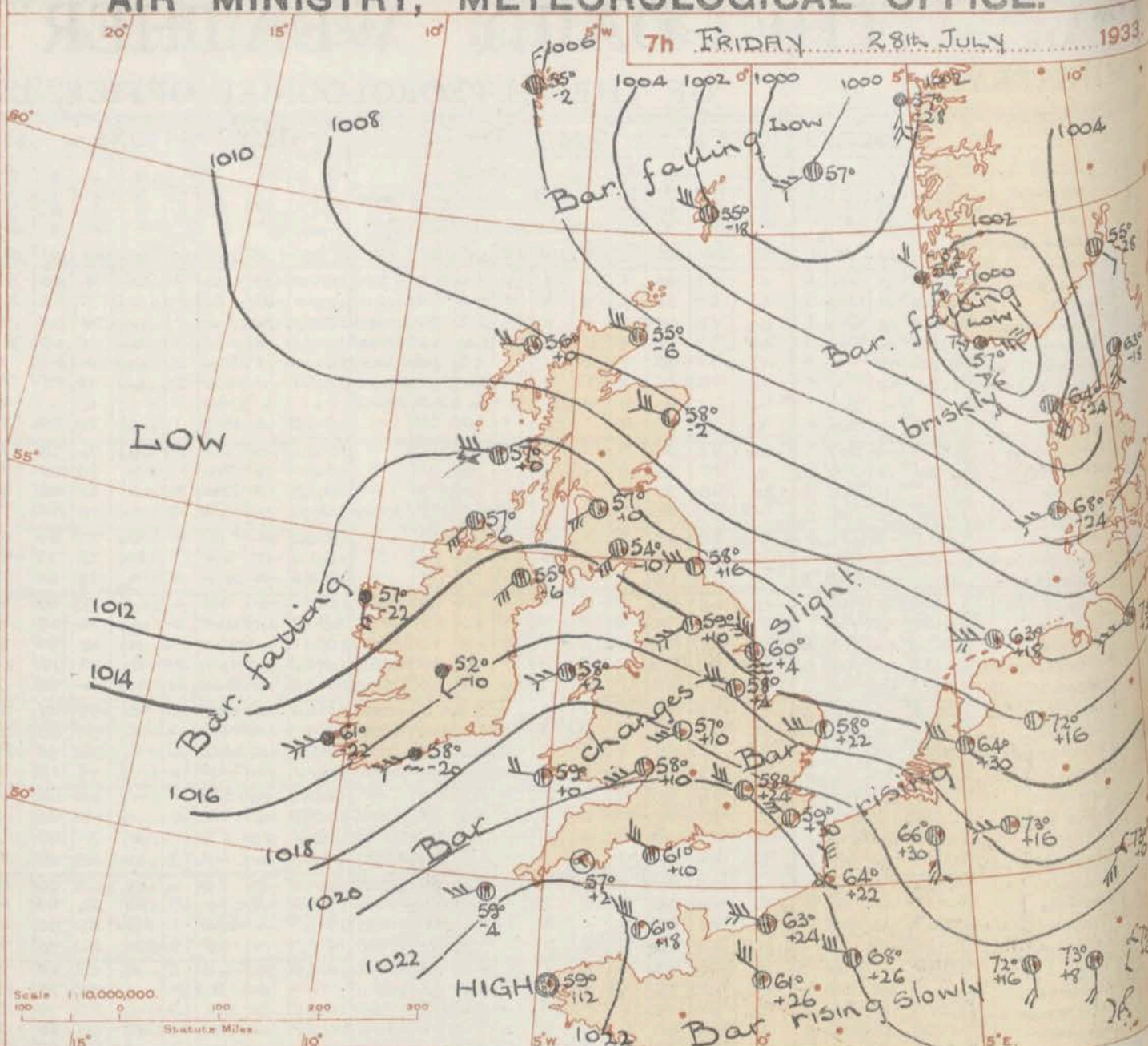


# REPORTS from HEALTH RESORTS for...27th July.....1933.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. 26th.	Max. 9h. -17h. 27th.	Night. 17h. 26th.	Day. 9h. -17h. 27th.	Sunrise to 17h. 27th.	Sunset to 26th.
		9h. 27th.	27th.	9h. 27th.	27th.	9h. 27th.	27th.	27th.	26th.
1	Tunbridge W.	b	bbeo	62	81	-	-	11.0	N.O.
	Bournemouth	cb	rbc	58	78	-	1	6.7	11.4
	Ventnor	b3	acbz	67	77	-	0.3	7.7	12.2
	Southsea	bbe	copbe	67	83	-	Trace	7.3	13.2
	Bognor Regis	bbe	oirbe	66	74	-	0.5	7.0	12.3
	Littlehampton	be	bcbbe	63	75	-	Trace	6.9	12.6
	Worthing	b	bepc	65	76	-	Trace	7.6	12.3
	Brighton	b	bepbe	66	76	-	Trace	8.2	12.0
	Eastbourne	b	bbee	65	84	-	-	9.8	13.3
	Hastings	b	bbee	70	86	-	-	10.7	12.3
	Folkestone	b	bbe	66	87	-	-	11.2	12.4
	Dover	mbbe	bc	62	87	-	-	11.4	11.7
	Deal	b	bbe	63	93	-	-	11.2	13.8
	Ramsgate	b	bbe	66	90	-	-	11.4	13.6
	Margate	b	bbe	66	94	-	-	11.2	13.9
2	Southend	b	bbee	66	88	-	-	8.9	13.3
	Maldon	b	bcd	63	85	-	Trace	9.3	12.7
	Clacton-on-Sea	bcbz	bcbz	66	83	-	-	9.7	13.3
	Dovercourt	b	bbe	63	87	-	-	10.3	13.2
	Lowestoft	b	b	62	79	-	-	10.6	14.0
	Skegness	3.b	bbeo	64	79	-	Trace	8.9	14.3
	Mablethorpe	bbe	bbeo	54	77	-	Trace	8.1	13.6
	Cleethorpes	b	bbeo	55	69	-	Trace	8.7	12.4
3	Leamington S.	bcb	bcb	54	86	-	-	6.9	10.3
4	Cheltenham	bqwb	cpbcb	62	83	-	Trace	7.3	10.7
5	Bath	bcbp	cpb	61	83	-	0.3	6.6	10.3
	Weymouth	bepc	cpbcb	66	74	-	1	5.6	11.8
	Jersey	bcc	rcbc	63	78	-	Trace	5.3	14.3
	Torquay	bcb	cpb	54	77	-	Trace	6.9	10.4
	Penzance	bcb	bo	60	69	-	-	6.0	12.1
	St. Ives	b	bbeo	60	72	-	-	6.7	13.8
	Bude	bc	bcc	54	72	-	-	8.1	10.4
	Ilfracombe	bcb	b	62	75	-	-	9.9	9.1
6	Aberystwyth	bcbz	bbee	57	82	-	-	7.3	7.1
7	Llandudno	bc	c	57	69	-	-	4.7	10.3
	Colwyn Bay	bcb	c	56	68	-	-	3.8	8.3
	Rhyl	bem	bcc	55	70	-	-	5.9	8.5
8	Wallasey	bcbcb	bcc	59	84	-	-	7.7	9.5
	Southport	bcbcb	bcc	56	82	-	-	7.7	9.6
	Blackpool	bcb	cuc	57	80	-	-	6.8	8.4
	Morecambe	3bcb	bcbcb	51	80	-	-	5.2	5.6
9	Ilkley	bbee	bcbcb	51	78	-	-	8.1	11.2
10	Berwick-on-T.	bc	coRo	52	67	-	10	7.7	5.5
11	Dunbar	cp	crrt	?	63	-	8	4.3	4.3
12	Troon	co	oror	56	62	-	3	1.1	3.6
	Douglas	coir	cq.m	54	65	Trace	1	0.7	4.4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th July, 1933.
1 S.E. England	Wind backing southwest and freshening; fair at first, occasional rain later, probably in small amounts; cooler than of late, but still rather warm.
2 E. England...	
3 E. Midlands	
4 W. Midlands	Wind south to southwest, veering west, moderate or fresh, strong locally; cloudy or dull, rain at times; moderate temperature.
5 S.W. England	
6 South Wales	
7 North Wales	Wind variable, mainly light or moderate; dull, some rain, heavy in places; moderate or rather low temperature.
8 N.W. England	
9 N. Midlands	
10 N.E. England	Strong west wind, moderating decidedly; showery; moderate temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 A.W. Scotland & N.W. Scotland	Wind southwest, veering west or northwest, moderate or fresh, strong locally; cloudy, rain at times, bright intervals and showers tomorrow; moderate temperature.
14 Mid-Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. ☉ Clear sky ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 1/2 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡ Hail.  
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## GENERAL INFERENCE.

A wedge of high pressure is crossing Great Britain and a deepening depression off Northwest Ireland is moving quickly eastward. Rain will spread eastward from Ireland but in Southeast England fair weather will hold over most of today.

## FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 0945 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

1933

1004

55°

68°

72°

74°

76°

78°

80°

82°

84°

86°

88°

90°

92°

94°

96°

98°

100°

102°

104°

106°

108°

110°



Morning of  
FRIDAY,  
26th JULY,  
1933.

Clarke's Projection Scale 1:4x10<sup>7</sup> along meridian at 55°N  
Statute Miles 500

**EXPLANATION OF CHART.**  
 BAROMETER. Isobars are drawn for intervals of four millibars.  
 WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.  
 ☉ - Calm.  
 TEMPERATURE is given in degrees F.  
 WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

All times are G.M.T. Add one hour to get local time.



STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 28th July														OBSERVATIONS at 7 hr. G.M.T. 29th July														PAST 24 HOURS.												
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.			Barom. at station.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUM- MER 27th to 28th July.										
				Dirac.	Force.					Form.	Amount.	Height of Base (feet).			Dirac.	Force.					Form.	Amount.	Height of Base (feet).			Low.	Med.	High.	Low.	Total.		Low.	Med.	High.	Low.	Total.	Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass of.	Day 7h-18h mm.	Night 18h-7h mm.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)						
1 London (Kew) ...	18	"	"	"	"	"	"	"	"	"	"	"	"	1020.4	+20	W	3	bc	59	65	8	-	4	8	0	2-3	-	0	*	88	56	50	0.1	-	9.3						
Croydon ...	217	1014.9	+14	NW	4	y	64	85	7	5	-	-	9+	9+	1500	1019.8	+24	WN	3	bc	58	75	8	-	6	-	0	4-6	-	0	*	89	55	52	0.2	-	10.1				
S. Farnborough ...	287	"	"	"	"	"	"	"	"	"	"	"	"	1020.5	+18	WNW	3	b	59	75	8	-	4	-	0	1	-	0	*	89	51	37	Ty	-	8.8						
Winchester ...	275	"	"	"	"	"	"	"	"	"	"	"	"	1020.8	+20	WN	3	b	56	85	7	-	4	-	0	1	-	0	*	83	48	42	0.4	-	9.9						
Boscombe Down ...	417	"	"	"	"	"	"	"	"	"	"	"	"	1020.6	+20	W	3	b	58	85	8	-	4	1	0	1	-	0	*	84	48	44	1	-	9.1						
Calshot (St. Thomas) ...	8	"	"	"	"	"	"	"	"	"	"	"	"	1020.5	+2	WNW	3	bc	58	75	7	-	5	9	0	2-3	-	0	1	81	52	48	0.1	-	5.9						
Dunstable ...	20	"	"	"	"	"	"	"	"	"	"	"	"	1020.8	+	NNW	2	bc	58	75	7	2	9	*	2-3	4-6	2500	*	0	82	55	*	-	-	11.6						
Lymington ...	346	1014.8	+4	WS	3	l	61	95	7	-	-	-	0	0	-	1019.5	+30	NNW	3	bc	59	65	7	-	3	6	0	4-6	-	0	*	90	55	53	-	Ty	11.6				
2 Shoeburyness ...	11	"	"	"	"	"	"	"	"	"	"	"	"	1019.1	+28	WNW	3	bc	60	85	8	-	-	6	0	4-6	-	0	*	92	55	50	Ty	-	3.8						
Felixstowe ...	15	"	"	"	"	"	"	"	"	"	"	"	"	1017.7	+20	WNW	3	bc	60	75	8	-	3	9	0	4-6	-	0	1	85	56	54	Ty	0.1	10.1						
Gorleston ...	5	1011.7	+6	WNW	3	b	67	75	7	-	-	-	0	0	-	1015.9	+22	W	3	bc	58	85	7	1	7	-	2-3	4-6	2500	0	2	82	56	52	-	1	10.5				
Cranwell ...	240	"	"	"	"	"	"	"	"	"	"	"	"	1015.8	+4	WNW	4	bc	58	85	7	5	3	5	Tr.	4-6	4000	0	*	84	54	51	Ty	-	9.1						
3 Birmingham ...	535	"	"	"	"	"	"	"	"	"	"	"	"	1018.4	+10	SW	3	bc	57	75	8	5	-	9	1	2-3	2500	0	*	83	51	47	-	-	8.9						
Upper Heyford ...	408	"	"	"	"	"	"	"	"	"	"	"	"	1019.9	+20	SW	2	b	56	85	8	-	-	5	0	1	-	0	*	87	49	39	1	-	9.8						
4 Ros-on-Wye ...	223	"	"	"	"	"	"	"	"	"	"	"	"	1018.9	+10	SW	3	bc	58	75	8	1	-	2	1	2-3	4000	0	*	83	52	43	-	-	8.9						
5 Portland Bill ...	32	1017.4	+16	NW	5	b	59	85	8	-	-	-	0	0	-	1021.5	+10	NW	3	c	61	85	8	4	4	-	4-6	7-8	2500	0	2	69	57	5	2	0.1	5.7				
Plymouth ...	82	"	"	"	"	"	"	"	"	"	"	"	"	1021.2	+2	-	0	30	57	85	6	5	-	2	2-3	7-8	1500	0	0	72	50	41	-	-	5.7						
The Lizard ...	240	1021.6	+6	NW	1	b	55	95	8	-	-	-	0	0	-	1022.0	0	NNW	2	c	59	95	8	7	7	-	2-3	7-8	4000	0	1	69	53	5	-	-	6.2				
Seilly (St. Mary's) ...	183	1022.1	+8	WNW	2	b	56	95	8	-	-	-	0	0	-	1021.5	-4	WSW	3	c	59	95	8	1	7	1	2-3	7-8	4000	0	1	68	55	5	-	-	7.1				
Guernsey ...	175	1019.6	+20	NW	2	b	59	95	8	-	-	-	0	0	-	1021.8	+18	NW	3	bc	61	85	8	5	-	-	4-6	4-6	4000	0	2	79	57	51	0.3	-	10.0				
6 Pembroke ...	142	1019.8	+16	WSW	3	bc	58	85	8	8	6	1	2-3	4-6	2500	1019.0	0	W	2	bc	59	85	7	5	7	1	4-6	4-6	2500	0	1	71	55	5	-	-	2.2				
7 Holyhead ...	26	1016.3	+4	WS	4	c	57	85	8	5	-	-	9	9	4000	1017.4	+2	WSW	4	c	58	75	8	2	4	8	Tr.	9+	2500	0	2	64	56	53	-	-	6.4				
Chester (Sealand) ...	16	"	"	"	"	"	"	"	"	"	"	"	"	1017.1	0	WN	4	c	60	65	8	8	3	-	4-6	7-8	1500	0	*	85	55	47	0.3	-	5.7						
L'pool (Bidston) ...	198	"	"	"	"	"	"	"	"	"	"	"	"	1016.9	0	NNW	5	c	58	75	9	9	3	-	4-6	7-8	1500	0	*	81	56	56	-	-	8.9						
8 Harrogate ...	478	"	"	"	"	"	"	"	"	"	"	"	"	1015.2	+10	WSW	5	bc	59	75	9	2	2	9	Tr.	2-3	2500	0	*	75	52	47	-	-	8.7						
10 Spurn Head ...	29	1010.2	+8	WNW	7	y	60	86	7	-	2	-	0	2-3	-	1013.2	+4	NW	7	y	60	85	7	-	2	1	0	4-6	-	0	5	69	56	5	Ty	-	9.2				
Catterick ...	175	"	"	"	"	"	"	"	"	"	"	"	"	1014.1	+10	WSW	54	bc	60	75	85	7	8	1	1	4-6	4-6	4000	0	*	77	53	50	1	-	8.1					
Tynemouth ...	100	1011.1	+20	W	3	rs	65	95	7	6	-	-	10	10	1500	1012.3	+16	W	4	bc	58	75	7	2	-	-	4-6	4-6	2500	1	2	66	53	51	-	6	8.1				
11 Incheith ...	190	1011.0	-4	SW	3	0	55	95	7	5	-	-	10	10	1500	1011.4	+6	SW	5	bc	55	85	8	8	4	-	2-3	4-6	2500	1	3	63	53	50	11	8	3.3				
Leuchars ...	35	"	"	"	"	"	"	"	"	"	"	"	"	1011.0	+2	WSW	3	bc	57	85	8	7	4	1	Tr.	2-3	2500	1	*	67	50	44	7	9	2.8						
12 Renfrow (Abbots) ...	18	"	"	"	"	"	"	"	"	"	"	"	"	1012.9	0	SW/S	3	cjp	57	85	8	9	-	-	9+	9+	1500	1	*	63	51	46	4	2	2.0						
Radkalemuir ...	794	"	"	"	"	"	"	"	"	"	"	"	"	1013.6	+10	SSW	3	c	54	85	8	5	-	-	9+	9+	1500	1	*	65	49	48	29	4	2.7						
13a Tires ...	22	"	"	"	"	"	"	"	"	"	"	"	"	1012.8	0	W	4	c	57	85	7	7	6	-	-	4-6	7-8	2500	1	2	61	54	50	0.4	0.4	0.9					
13b Stornoway ...	34	1008.9	-8	W	2	c	55	95	8	8	7	-	7-8	10	1500	1011.3	-2	SW	4	c	56	95	8	8	7	-	4-6	7-8	1500	1	1	63	53	5	Ty	-	0.7				
15 Dalwhinnie ...	1176	"	"	"	"	"	"	"	"	"	"	"	"	1008.1	-2	WNW	4	bc	58	75	8	5	4	3	1	4-6	4000	1	1	68	53	52	2	16	2.3						
Aberdeen ...	37	"	"	"	"	"	"	"	"	"	"	"	"	1006.7	-6	WNW	3	c/r	55	95	8	6	2	8	7-8	10	1500	1	2	68	53	5	-	4	0.9						
Wick ...	81	1008.7	-18	W	1	rs	55	95	8	6	2	-	7-8	10	1500	1001.9	-18	WN	3	c/d	55	95	8	5	-	-	9+	9+	1500	0	*	60	53	5	Ty	0.1	0.9				
16 Lerwick ...	54	1005.4	-16	SSW	3	c	55	95	7	5	2	-	4-6	10	1500	1012.9	-22	S	2	ir	57	95	7	6	-	-	10	10	450	1	2	62	52	5	-	8	0.0				
17 Blacksod Point ...	18	1017.7	+4	-	0	c	56	85	8	5	-	-	7-8	7-8	800	1013.9	-6	SSW	3	c	57	85	7	5	9	3	1	9+	1500	1	0	59	54	5	2	0.4	0.0				
18 Malin Head ...	52	1015.2	-4	W	4	bc	55	85	7	4	-	-	2-3	2-3	1500	1015.5	-6	SSW	3	c	55	95	8	5	3	2	4-6	7-8	800	1	*	59	49	41	0.4	-	0.0				
Aldergrove ...	238	"	"	"	"	"	"	"	"	"	"	"	"	1016.1	-2	WSW	1	bc	56	85	8	3	3	-	-	2-3	4-6	2500	0	0	59	50	5	11	-	1.0					
Donaghadee ...	40	"	"	"	"	"	"	"	"	"	"	"	"	1016.5	-10	S	1	rr	52	95	7	6	-	-	-	10	10	2500	1	*	63	48	38	4	1	1.0					
19 Birr Castle ...	173	"	"	"	"	"	"	"	"	"	"	"	"	1014.3	-22	SW/S	5	c/r	61	95	7	6	-	-	-	9+	9+	900	1	3	64	54	53	4	8	8.0					
20 Valentia Otay ...	30	1019.5	-6	W	3	c	58	95	9	4	-	-	7-8	7-8	6700	1016.4	-20	SW	4	ir	58	95	7	6	-	-	9	9	1500	1	4	65	58	5	1	3	8.0				
Roches Point ...	22	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"					

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.											
Day 7h-12h, Kew & Croydon. 9h-12h, Kensington. 9h-12h, other stations, except Greenwich & Hampstead rainfall, 9h-12h.												The barometric tendency is expressed in tenths of a millibar.											
Columns 2, 16.												Columns 3, 22.—Code for surface visibility.											
Columns 4, 48.												Columns 30.—Code for State of Sea.											
Columns 34, 35.												Columns 31, 32.—Code for State of Sea.											
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METEOROLOGICAL OFFICE, AIR MINISTRY, ADAMSTAL HOUSE, KINGSWAY LONDON, W.C.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

1 hr. observations are from Valencia W/T station. † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.



# THE DAILY WEATHER REPORT

BRITISH SECTION  
Saturday 29th July 1933.  
No. 26, 182.

DISCREP.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 28th July														OBSERVATIONS at 18h. G.M.T. 28th July														PAST 24 HOURS.					
		Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Force (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility (8)	Cloud.						Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Force (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.						State of Ground. (29)	Sea. (30)	WEATHER.			
										Form.			Amount.		Height of Base. (feet) (14)									Form.			Amount.		Height of Base. (feet) (28)			7h.-15h. 28th (37)	15h.-18h. 28th (38)	18h. 29th to 1h. 29th (39)	1h.-7h. 29th (40)
										Low.	Med.	High.	Low 0-10	Total 0-10										Low.	Med.	High.	Low 0-10	Total 0-10							
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)	
1	London (Kew)...	1020.1	-2	SW	3	C	70	45	3	7	-	3	4.6	7.8	4000	1018.6	-10	SW	5	clpr	68	55	8	1	7	1	Tr.	9+	2500	0	*	bccy	cycpr	clpr	cir
	Croydon	1020.1	-2	SW	4	bc	72	45	8	7	4	3	2.3	4.6	4000	1018.7	-4	SW	5	clpr	65	65	8	8	7	-	4.6	7.8	4000	0	*	bccy	bccypr	cir	cir
	S. Farnborough	1020.2	-6	WSW	4	C	75	45	8	7	3	1	9	9+	4000	1018.6	-6	WSW	5	clr	64	65	8	5	7	-	2.3	9+	4000	0	*	by bc	cy ir	cir	cir
	Winchester	1020.5	-4	WSW	3	C	69	55	8	8	3	-	4.6	3	4000	1018.9	-10	SSW	4	C	62	75	8	5	7	-	4.6	10	2500	0	*	bccc	cir	c	cor
	Boscombe Down	1019.7	-8	SW	4	C	70	55	8	6	6	4.6	9	2500	1018.2	-10	SSW	4	C	61	85	8	6	2	-	9	10	800	0	*	bccy	clpr	c	clpr	
	Calshot, S'thmtn	1021.5	+2	SSW	5	C	70	55	8	5	-	2	4.6	7.8	4000	1019.8	-8	SSW	5	ic	63	85	8	5	2	-	7.8	10	2500	1	3	bey	bcc r	c	or r
	Dungeness	*	*	SW	4	bc	*	*	7	4	9	2.3	4.6	2500	*	*	SW	4	C	*	*	7	4	-	-	9	9	2500	0	3	bc	bc	r	r	
	Lympe	1021.5	+6	SSW	5	bc	69	55	8	1	-	4	2.3	4.6	4000	1020.1	-6	SW	4	C	63	65	8	5	3	-	7.8	9+	500	0	*	bey	bey cl	clpr	clpr
2	Shoeburyness	1020.0	0	SW	4	bc	73	45	7	4	3	2.3	4.6	4000	1018.2	-10	SW	4	cl	67	75	8	5	3	4	7.8	9	4000	1	*	bc	beypr	clpr	c	
	Felixstowe	1019.2	-2	W	3	bc	73	45	7	2	-	6	2.3	4.6	4000	1017.1	-18	SW	2	C	72	45	8	5	7	-	4.6	7.8	500	0	1	bey	bey cl	bey	c
	Gorleston	1019.0	+6	WS	3	bc	70	55	7	1	-	4.6	4.6	2500	1016.8	-14	SSW	2	bc	67	85	7	4	5	-	4.6	4.6	4000	0	2	bc	bey	bey	c	
	Cranwell	1018.0	+2	WSW	3	clpr	65	65	7	5	2	-	7.8	10	2500	1015.7	-20	SSW	4	ir	64	75	8	6	7	-	7.8	10	2500	0	*	beypr	bey	c	c
3	Birmingham	1019.3	0	SW	3	clr	61	65	8	5	7	-	1	9+	4000	1015.7	-20	SSW	3	C	61	75	8	6	7	-	7.8	10	1500	0	*	b, cir	clpr	c	c
	Upper Heyford	1019.5	-2	WSW	5	ic	68	55	8	7	7	-	4.6	9+	2500	1016.7	-14	SW	3	clr	65	65	9	5	-	-	9+	9+	2500	0	*	bday	cir	c	c
	Ross-on-Wye	1018.9	-6	WSW	3	clp	64	65	8	6	2	-	1	10	2500	1016.1	-16	SW	4	ir	59	65	6	4	-	-	10	10	1500	1	*	bccp	clpr	c	c
4	Portland Bill	1021.3	-6	WSW	4	C	63	85	7	5	4	2	4.6	7.8	2500	1019.0	-16	SW	5	C	62	85	7	5	-	-	10	10	1500	0	3	C	C	C	C
	Plymouth	1021.7	-6	WSW	5	C	64	75	8	7	-	4.6	9+	2500	1018.9	-14	SW	6	DD	61	95	5	5	-	-	10	10	220	1	4	bc, m, c	clpr	clpr	clpr	
	The Lizard	1021.8	-6	SW	4	C	67	75	8	8	6	-	2.3	7.8	2500	1019.7	-16	SW	5	df	61	95	3	5	-	-	10	10	220	1	3	clcc	clpr	clpr	clpr
	Boilly (St. Mary's)	1020.6	-12	SSW	5	d	62	95	6	5	-	10	10	1500	1019.4	-4	WSW	4	cl	62	95	6	8	7	-	4.6	9+	1500	0	3	cd.	clpr	clpr	clpr	
	Guernsey	1023.4	+2	WSW	3	bc	67	75	8	8	3	-	4.6	4.6	2500	1021.4	-14	W	4	C	65	76	8	5	-	-	7.8	7.8	2500	0	3	bcc	bcc	clpr	clpr
5	Pembroke	1017.5	-18	SSW	5	df	60	95	3	5	-	10	10	800	1015.1	-10	WSW	4	C	61	85	7	5	5	4	4.6	7.8	4000	0	3	beypr	clpr	clpr	C	
	Holyhead	1015.6	-18	SE	4	rr	57	95	4	6	-	10	10	450	1012.6	-10	SW	4	C	61	95	6	4	-	-	4.6	9+	2500	1	2	rr, m, o	rr, m, o	clpr	C	
	Chester (Sealand)	1017.8	-4	SSW	2	rr	59	75	6	5	-	10	10	4000	1012.8	-30	SE	2	clr	62	95	8	5	-	-	9+	9+	1500	1	*	cir	rr, cl	C	C	
	L'pool (Bidston)	1017.8	0	SW	1	rr	58	85	7	6	1	-	4.6	10	1500	1012.5	-26	S	4	cl	61	95	9	6	2	-	4.6	9	1500	1	*	clpr	cir	C	C
6	Harrogate	1016.5	+6	SW	4	C	60	65	9	3	2	-	1	9+	2500	1014.0	-10	S	1	rr	55	95	5	6	2	-	9+	10	2500	1	*	bcc	cir	clpr	C
	Spurn Head	1015.9	+6	WN	6	q	66	75	7	5	2	-	4.6	9	4000	1014.9	-6	WS	4	C	63	75	6	5	2	-	4.6	9	2500	0	3	cq	pr	bc	C
	Catterick	1015.8	+12	SW	3	C	61	55	9	4	7	8	Tr.	9+	4000	1013.3	-14	SE	2	cl	56	95	7	6	2	-	4.6	10	1500	1	*	bey	clpr	clpr	C
	Tynemouth	1013.6	+4	W	3	bc	65	55	8	2	-	-	4.6	4.6	2500	1012.6	-8	W	3	ir	59	75	7	6	-	-	10	10	1500	1	2	bc	bey	clpr	C
7	Inchkeith	1012.2	+4	SW	5	C	61	95	8	8	-	-	7.8	7.8	2500	1010.8	-12	SW	4	C	59	75	8	8	7	-	4.6	9+	2500	0	3	bcc	C	cir	C
	Leuchars	1011.5	+2	WSW	4	C	65	55	9	8	4	-	7.8	9	2500	1010.5	-4	WSW	3	C	61	65	8	5	7	-	4.6	9+	2500	1	*	bey	clpr	clpr	C
	Renfrew (Abbotts)	1012.5	-2	WSW	4	C	62	65	9	8	-	-	4.6	7.8	4000	1010.3	-16	SW	2	C	60	75	8	8	2	-	7.8	9+	2500	1	*	bey	clpr	clpr	C
	Eakdalemuir	1013.4	0	SW	5	C	60	65	8	8	-	-	9+	9+	2500	1011.2	-18	SW	3	rr	55	95	6	6	-	-	10	10	450	1	*	C	clpr	clpr	C
8	Tise	1012.2	-2	SWW	3	C	61	75	8	7	5	4.6	7.8	2500	1009.7	-16	SE	2	d, d	54	95	7	6	2	-	7.8	9+	1500	1	1	C	clpr	clpr	C	
	Stornoway	1011.3	+2	W	2	C	60	75	8	8	6	-	4.6	9+	1500	1009.7	-6	W	2	clpr	58	75	8	8	6	-	7.8	9	1500	1	1	C	clpr	clpr	C
	Dalwhinnie	1011.3	+2	SW	3	bc	60	65	8	4	4	-	4.6	4.6	2500	1009.7	-6	SW	2	bc	58	65	8	4	1	-	4.6	4.6	4000	0	1	bc	clpr	clpr	C
	Aberdeen	1009.5	+6	WNW	3	C	63	65	8	8	3	-	7.8	7.8	2500	1009.1	0	WNW	2	pr	61	75	8	3	1	7.8	7.8	1500	1	1	bey	clpr	clpr	C	
	Wick	1008.1	+12	W	3	C	60	75	8	6	1	8	4.6	7.8	1500	1006.8	-2	W	3	C	60	75	8	4	1	1	7.8	7.8	2500	0	2	C	C	C	C
	Lerwick	1001.8	+8	WNW	4	pr	57	85	8	8	-	-	9+	9+	1500	1003.2	+8	WNW	4	C	57	85	8	8	-	-	7.8	7.8	1500	0	*	clpr	clpr	C	C
9	Blackad Point	1010.8	-10	WSW	5	q	61	95	7	8	-	-	10	10	450	1010.5	-4	WSW	3	q	60	85	7	9	-	-	10	10	800	1	4	LR	PR	PR	C
	Malin Head	1011.4	-16	SE	3	C	61	75	3	4	7	-	4.6	10	2500	1007.6	-28	SW	3	C	60	85	6	6	7	-	7.8	10	450	1	0	C	C	C	C
	Aldergrove	1013.1	-18	SSW	4	ir	58	85	8	5	-	-	10	10	1500	1009.3	-14	SSW	2	C	61	95	8	5	2	-	9+	10	800	1	0	C	C	C	C
	Donaghadee	1014.6	-10	SW	2	ir	58	95	7	6	-	-	9	9	800	1009.6	-24	S	1	C	57	95	7	5	-	-	7.8	7.8	1500	1	0	C	C	C	C
10	Birr Castle	1012.7	-4	W	3	C	64	75	8	8	-	-	7.8	7.8	2500	1012.9	0	W	4	C	62	65	8	8	-	-	9+	9+	2500	1	*	rr	C	C	C
	Valentia Obay.	1016.4	+10	WS	4	C	62	75	8	5	-	-	9+	9+	1500	1015.8	-6	SWW	4	C	62	85	8	5	-	-	9+	9+	1500	1	3	bcc	clpr	C	C
	Roches Point	1014.4	-8	W	4	bc	67	75	9	3	-	9	2.3	4.6	2500	1014.7	+4	SW	5	C	64	65	9	3	-	-	7.8	7.8	2500	0	5	cir	bey	C	C



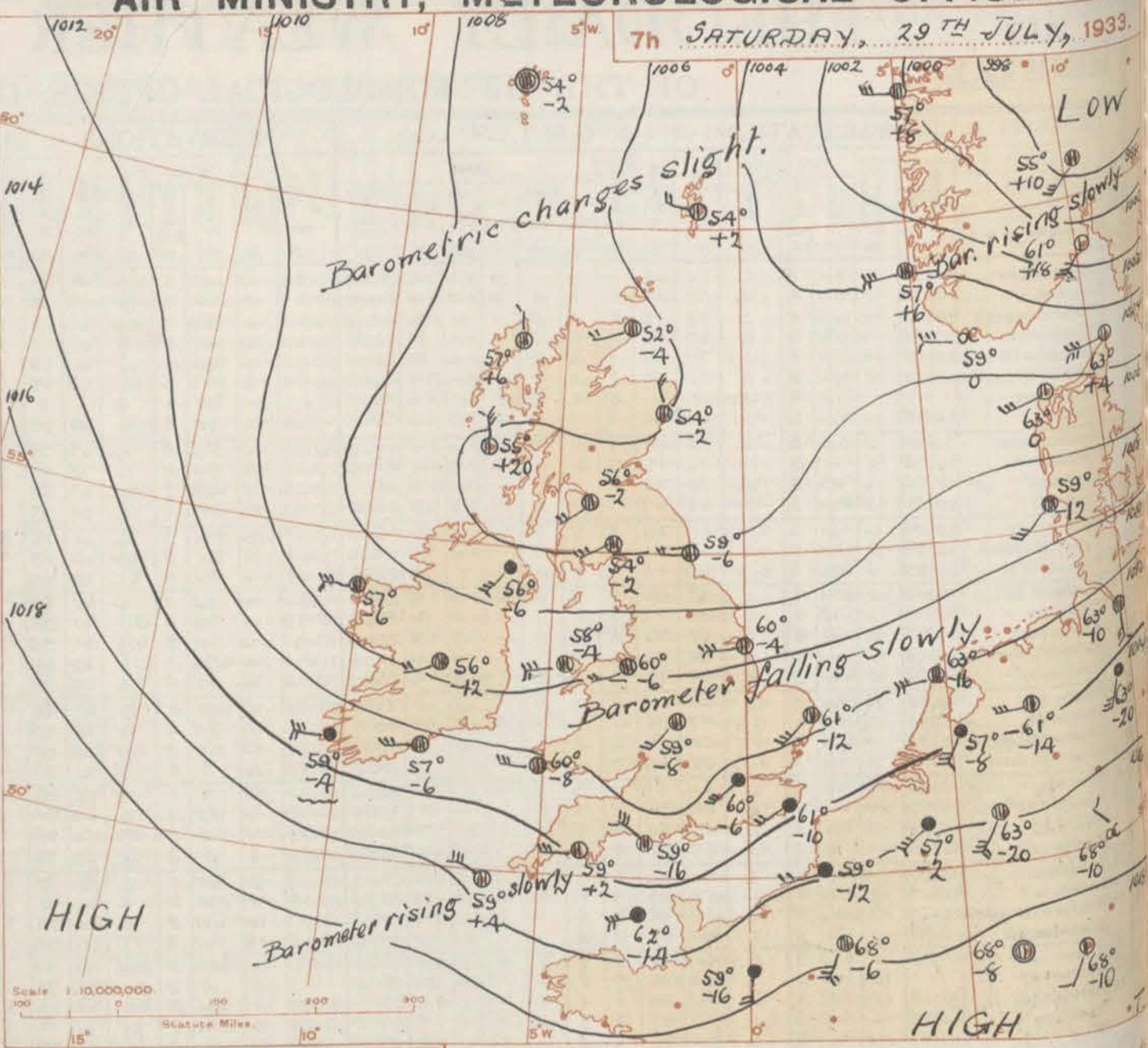
# REPORTS from HEALTH RESORTS for 28th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Fore-noon.	After-noon.	Min. 9h. to 21h.	Max. 9h. to 21h.	Night. 17h. to 21h.	Day. 9h. to 17h.	Sunrise to 17h.	Sunset to 21h.
1	Tunbridge W.	b	bcc	54	73	-	-	10.6	7.1
	Bournemouth	b	bcc	53	70	-	Tr	8.3	7.4
	Ventnor	bcb	bccp	54	66	-	Tr	9.6	9.5
	Southsea	b	bccp	55	73	-	Tr	9.7	9.9
	Bognor Regis	bcb	bcc	54	70	-	-	10.1	8.3
	Littlehampton	bc	bcc	55	68	-	-	10.0	9.0
	Worthing	b	bcc	56	69	-	-	10.2	9.2
	Brighton	bc	bc	57	69	Tr	-	10.4	8.6
	Eastbourne	bcb	bcc	57	70	-	-	11.5	9.8
	Hastings	bcb	bcc	56	72	-	-	10.9	10.7
	Folkestone	bcb	bcc	57	71	-	-	11.5	11.2
	Dover	ybbc	bccbc	58	79	Tr	-	10.9	11.5
	Deal	b	bcc	58	73	-	-	11.0	11.3
	Ramsgate	bc	bcc	59	72	1	-	9.9	11.5
	Margate	bc	bcc	59	73	0.2	-	9.8	11.5
2	Southend	b	bcc	55	77	Tr	-	8.8	7.5
	Maldon	b	bcc	57	77	-	-	9.9	9.7
	Clacton-on-Sea	bcb	bcc	55	73	0.1	-	9.7	9.7
	Dovercourt	bcb	bcc	56	75	-	-	5.3	10.3
	Lowestoft	clrb	bcc	54	74	1	Tr	8.3	10.8
	Skegness	bc	bcc	55	69	-	0.3	5.3	9.9
	Mablethorpe	bcc	cc	55	69	-	Tr	4.6	8.4
	Cleethorpes	bcc	bcc	54	68	-	0.1	4.4	9.1
3	Leamington S.	bcb	bcc	51	68	-	0.4	5.2	8.8
4	Cheltenham	cc	ccp	50	67	-	0.3	4.0	9.1
5	Bath	bcc	ccp	54	69	Tr	Tr	4.5	8.3
	Weymouth	b	ccp	53	69	-	Tr	8.0	5.6
	Jersey	bc	bc	58	68	-	-	12.0	6.5
	Torquay	bc	cdp	53	70	-	Tr	7.3	8.6
	Penzance	ccbr	ro	54	66	-	3	2.7	7.6
	St. Ives	bcc	pr	56	66	-	1	2.9	8.4
	Bude	bcc	ccdb	59	65	-	2	2.8	8.0
	Ilfracombe	bc	ccr	59	67	-	3	3.0	10.1
6	Aberystwyth	c	cic	58	65	-	1	1.7	7.3
7	Llandudno	crc	cic	56	67	-	1	1.2	4.7
	Colwyn Bay	cpr	robr	55	67	-	1	1.9	3.8
	Rhyl	cor	oezd	56	66	-	1	1.3	6.1
8	Wallasay	cor	roc	58	63	-	2	0.5	7.7
	Southport	cor	rod	58	64	-	0.4	3.2	7.9
	Blackpool	bcc	cod	58	62	-	1	2.6	6.8
	Morecambe	bcc	cod	57	62	-	1	3.6	5.2
9	Ilkley	bcc	cpd	53	66	-	Tr	3.7	8.1
10	Berwick-on-T.	(bc)	(bc)	52	67	15	-	11.9	7.7
11	Dunbar	crt	bcc	51	67	16	-	10.5	4.3
12	Troon	bcb	bcc	56	62	4	-	3.3	1.1
	Douglas	bcb	orrc	51	60	-	5	3.4	0.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7th SATURDAY, 29th JULY, 1933.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th July, 1933.
1. S.E. England	Moderate westerly wind; cloudy, some showers, brighter intervals, especially later; moderate temperature.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Moderate west to northwest wind, fresh locally at first; showers, especially at first; bright intervals; moderate temperature.
7. North Wales	
8. N.W. England	Moderate to light west to northwest wind; cloudy, some showers or occasional rain, with perhaps local thunder; bright periods later and a few local showers; moderate temperature.
9. N. Midlands	
10. N.E. England	
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	Light or moderate north or northwest wind; bright intervals, local showers; moderate temperature.
13. A.W. Scotland, B.N.W. Scotland	
14. Mid-Scotland	
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

As 6 - 7.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. TEMPERATURE is given in degrees F. WEATHER SYMBOLS. ☉ Clear sky. ☁ Sky less than 1/2 clouded. ☂ Sky 1/2 to 1 clouded. ☄ Overcast sky. ☔ Rain falling. \* Snow. \* Sleet. \* Hail. ☁ Fog. ☁ Mist. ☁ Thunder. ☁ Thunderstorm. ☁ Haze. SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A depression centred over the Clyde Estuary is moving East-South-East and is beginning to fill up. Weather will be mainly cloudy with some showers, becoming brighter later.

### FURTHER OUTLOOK.

A mainly fair interval, but a few local showers; renewed rain in West Ireland by Sunday evening, subsequently spreading over Great Britain.

Forecasts issued at 0945 G.M.T. G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

July 1933

LOW

18 slowly

10

59°

12

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10

63°

10



Morning of  
Saturday,  
29<sup>th</sup> JULY,  
1933.

HURRICANE centred 26°N, 76°W moving N.W.

All times are G.M.T. Add one hour to get summer time.

Scale 1:4 x 10<sup>7</sup> along meridian at 55°N

Statute Miles 0 100 200 300 400 500

## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with the wind. Number of feathers indicate Beaufort Force.

☉ - Calm.

TEMPERATURE is given in degrees F.

WEATHER is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

local  
by  
g over



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 29th. July 1933.

No. 26, 182.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 29th July														OBSERVATIONS at 7 hr. G.M.T. 29th July														PAST 24 HOURS.									
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SURFACE WIND.								
				Direc.	Force.					Low.	Med.	High.								Form.	Amount.	Height of Base (feet).			Low.	Med.	High.	Form.	Amount.		Height of Base (feet).	Max. Day 7h-18h of.	Min. Night 18h-7h of.	Min. on Grass of.	Day 7h-18h mm.	Night 18h-7h mm.		
																																					(1)	(2)
1 London (Kew) ...	18	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.5	-4	SW'S	3	ir	61	95	6	7	-	4-6	9	1500	1	*	74	61	55	Tr.	Tr.	1	8.5	
Croydon ...	217	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.9	-6	SW'S	3	ir	60	85	6	7	-	4-6	9	1500	1	*	73	60	55	Tr.	Tr.	0.2	27	
S. Farnborough ...	237	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.3	-12	SW'S	1	ir	58	85	6	7	-	4-6	9	1500	2	*	76	58	56	Tr.	Tr.	6	87	
Winchester ...	275	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.2	-10	SW'S	2	ir	57	85	6	7	-	4-6	9	1500	1	*	71	57	56	Tr.	Tr.	9	9.1	
Boscombe Down ...	417	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.2	-14	SW	2	ir	57	85	7	6	-	4-6	9	1500	1	*	71	57	56	Tr.	Tr.	1	7.8	
Calshot (S' thmtn) ...	8	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.5	-18	SW	2	ir	61	85	5	6	-	4-6	9	1500	1	1	70	61	59	0.1	10	9.2		
Dungeness ...	20	1015.5	-22	SWW	2	C	63	85	8	5	2	-	7-8	9+	2500	1012.5	-18	SW	2	ir	61	85	5	6	-	4-6	9	1500	1	1	70	61	59	0.1	10	9.2		
Lympne ...	346	1016.9	-22	SWW	3	C	61	95	7	5	-	-	10	10	2500	1013.7	-10	SW'W	2	ir	61	95	6	2	-	9	10	450	1	3	71	59	59	-	2	11.0		
2 Shoeburyness ...	11	1013.6	-16	SW'S	2	C	61	85	7	4	2	-	4-6	7-8	2500	1012.4	-14	WSW	3	C	63	85	8	5	2	-	7-8	10	2500	0	*	76	61	58	Tr.	Tr.	10.1	
Felixstowe ...	15	1013.6	-16	SW'S	2	C	61	85	7	4	2	-	4-6	7-8	2500	1012.0	-8	SW	3	C	64	85	7	5	7	-	4-6	10	2500	0	2	75	62	60	Tr.	Tr.	9.8	
Gorleston ...	5	1013.6	-16	SW'S	2	C	61	85	7	4	2	-	4-6	7-8	2500	1011.0	-12	SW	3	C	61	85	7	5	7	-	4-6	10	4000	0	2	71	59	55	Tr.	Tr.	8.9	
Cranwell ...	240	1013.6	-16	SW'S	2	C	61	85	7	4	2	-	4-6	7-8	2500	1010.2	-2	SW	3	C	59	85	7	5	7	-	4-6	10	2500	0	2	67	57	55	Tr.	Tr.	3.0	
3 Birmingham ...	535	1011.1	-8	SW	2	C	59	85	8	5	7	-	7-8	9	1500	1011.1	-8	SW	2	C	59	85	8	5	7	-	7-8	9	1500	0	*	64	56	53	0.2	-	4.0	
Upper Heyford ...	408	1011.5	-10	SW'S	3	C	59	85	8	5	7	-	7-8	9	1500	1011.5	-10	SW'S	3	C	59	85	8	5	7	-	7-8	9	1500	0	*	70	57	55	Tr.	Tr.	3.4	
Ross-on-Wye ...	923	1011.0	-12	W	3	C	60	75	8	7	1	-	2-3	4-6	4000	1011.0	-12	W	3	C	60	75	8	7	1	-	2-3	4-6	4000	1	*	64	56	56	0.1	Tr.	2.4	
5 Portland Bill ...	32	1016.1	-6	SW	5	o/pr	62	95	7	5	-	-	10	10	1500	1012.3	-16	NW	4	C	59	85	8	5	7	-	7-8	9	1500	1	3	64	57	*	-	3	4.6	
Plymouth ...	82	1017.0	-18	SW	4	rf	61	95	3	5	-	-	10	10	450	1013.7	+2	W	3	bc	59	95	6	6	7	-	4-6	4-6	800	1	2	64	57	56	1	6	4.6	
The Lizard ...	240	1017.0	-18	SW	4	rf	61	95	3	5	-	-	10	10	450	1015.5	+4	SW'W	3	bc	59	95	7	4	-	-	4-6	4-6	2500	1	3	68	57	*	0.6	9	1.7	
Scilly (St. Mary's) ...	183	1016.1	-20	SW	4	rf	61	95	1	5	-	-	10	10	<150	1015.7	+4	SW'W	4	bc	59	85	8	4	-	-	4-6	4-6	2500	1	2	66	57	*	0.5	9	1.7	
Guernsey ...	175	1019.0	-18	WSW	3	of	62	95	3	5	-	-	10	10	800	1015.0	-14	WSW	5	Tr	62	95	5	6	-	-	10	10	1500	2	3	70	60	58	-	22	10.5	
6 Pembroke ...	142	1014.0	-4	WSW	3	C	61	85	7	5	7	-	7-8	7-8	2500	1012.1	-8	W	3	C	60	85	7	8	6	-	7-8	9	2500	0	2	62	58	*	4	-	4.4	
Holyhead ...	26	1011.9	-6	SW'W	4	C	58	85	7	5	-	-	7-8	7-8	4000	1010.2	-4	W'S	5	C	58	75	8	8	-	-	9+	9+	4000	1	3	61	58	55	5	-	2.5	
Chester (Sealand) ...	16	1009.6	-6	WSW	2	C	60	75	8	7	1	-	2-3	4-6	4000	1009.6	-6	WSW	2	C	60	75	8	7	1	-	2-3	4-6	4000	1	*	63	57	48	2	-	1.7	
L'pool (Bidston) ...	198	1009.1	-6	W'N	4	bc	59	75	8	5	-	-	4-6	4-6	2500	1009.1	-6	W'N	4	bc	59	75	8	5	-	-	4-6	4-6	2500	0	*	61	57	54	1	-	0.6	
9 Harrogate ...	478	1008.1	-14	SW	4	bc	57	85	8	5	7	-	7-8	9	1500	1008.1	-14	SW	4	bc	57	85	8	5	7	-	7-8	9	1500	1	1	61	52	48	0.3	1	2.3	
Spurn Head ...	29	1010.7	-8	W'S	5	C	61	95	7	5	2	-	4-6	9+	2500	1008.9	-4	W	5	bc	60	95	7	5	6	-	2-3	4-6	4000	0	3	67	57	*	Tr.	-	4.1	
Catterick ...	175	1006.8	-12	WSW	4	bc	60	75	8	8	4	-	-	1	1	4000	1006.8	-12	WSW	4	bc	60	75	8	8	4	-	1	1	4000	1	*	67	54	47	0.3	1	4.7
Tynemouth ...	100	1006.4	-6	W	2	C	59	85	7	6	-	-	7-8	7-8	1500	1006.4	-6	W	2	C	59	85	7	6	-	-	7-8	7-8	1500	0	1	67	56	52	0.4	0.2	*	
11 Inchkeith ...	190	1007.9	-18	SSW	1	O	55	95	8	5	-	-	10	10	1500	996.3	-4	NW	1	ir	54	95	6	6	-	-	10	10	1500	1	1	62	53	53	-	2	8.5	
Leuchars ...	35	1006.4	-8	N	1	C	55	95	8	8	6	-	2-3	4-6	2500	1006.4	-8	N	1	C	55	95	7	5	-	-	9+	9+	450	1	*	63	53	53	Tr.	3	8.6	
Renfrew (Abbotts) ...	18	1005.5	-2	SW	2	C	56	95	8	5	-	-	7-8	7-8	1500	1005.5	-2	SW	2	C	56	95	8	5	-	-	7-8	7-8	1500	1	*	65	54	52	Tr.	4	4.5	
Exdalemuir ...	794	1005.9	-2	SW'W	3	C	56	95	8	5	-	-	7-8	7-8	1500	1005.9	-2	SW'W	3	C	56	95	8	5	-	-	7-8	7-8	1500	1	*	62	51	48	0.5	4	5.5	
13a Tiree ...	22	1005.5	+26	N	4	bc	55	85	8	6	3	-	4-6	4-6	2500	1005.5	+26	N	4	bc	55	85	8	6	3	-	4-6	4-6	2500	1	3	61	52	51	3	24	4.2	
13b Stornoway ...	34	1005.6	+6	N	2	C	57	85	8	8	6	-	2-3	4-6	2500	1005.6	+6	N	2	C	57	85	8	8	7	1	2-3	7-8	1500	1	0	62	47	*	3	-	1.0	
15 Dalwhinnie ...	1176	1006.6	-2	N	0	id.	50	95	7	4	2	-	-	7-8	10	450	1006.6	-2	N	0	id.	50	95	7	4	2	-	7-8	10	450	1	1	61	48	47	1	5	3.1
Aberdeen ...	37	1006.6	-2	N	2	C	54	95	7	3	2	-	-	7-8	10	1500	1006.6	-2	N	2	C	54	95	7	3	2	-	7-8	10	1500	0	2	68	53	53	-	3	6.2
Wick ...	81	1007.0	-6	W	2	C	49	95	8	5	7	8	4-6	7-8	2500	1006.3	-4	WSW	2	C	52	95	8	5	4	8	4-6	7-8	2500	0	2	63	40	*	-	-	0.9	
16 Lerwick ...	54	1004.9	+4	WNW	2	bc	52	85	7	4	-	-	2-3	2-3	1500	1005.2	+2	WNW	2	bc	54	85	8	8	6	-	2-3	4-6	1500	0	*	59	50	*	1	-	0.9	
17 Blacksod Point ...	18	1003.2	-8	W	6	q	56	85	7	9	-	-	7-8	7-8	800	1003.8	-6	W	4	C	57	95	8	8	-	-	9	9	800	1	3	62	55	*	3	1	1.7	
18 Malin Head ...	52	1006.3	-8	W'S	4	c/pr	57	95	7	6	-	-	9	9	800	1006.0	+12	N'W	4	C	57	85	7	6	8	-	7-8	9+	1500	1	2	62	54	*	1	9	1.7	
Aldergrove ...	233	1006.8	-6	SW	4	ir	56	85	8	5	-	-	7-8	7-8	1500	1006.8	-6	SW	4	ir	56	85	8	5	-	-	7-8	7-8	1500	0	0	62	54	51	0.5	0.1	1.5	
Donaghadee ...	40	1007.8	-4	W	1	C	56	85	8	5	-	-	7-8	7-8	1500	1007.8	-4	W	1	C	56	85	8	5	-	-	7-8	7-8	1500	0	0	62	53	*	3	-	*	
19 Birr Castle ...	173	1009.8	-12	WSW	2	O	56	95	7	5	-	-	10	10	2500	1009.8	-12	WSW	2	O	56	95	7	5	-	-	10	10	2500	1	*	65	53	50	5	-	2.5	
20 Valentia Obay.†	30	1014.4	-10	W	6	C	56	95	8	3	-	-	10	10	1500	1013.3	-4	W'S	5	bc	59	85	6	6	-	-	9+	9+	800									

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADAM STREET, LONDON, W.C.2.

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

11 hr observations are from Valentia W/T station      † Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9 h.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.  (For heights see p. 6.)	OBSERVATIONS at 13h. G.M.T. 29th July														OBSERVATIONS at 18h. G.M.T. 29th July														PAST 24 HOURS.							
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility 0-9	Cloud.						State of Ground. 0-9	Sea. 0-9	WEATHER.					
			Dir.	Force.					Low.	Med.	High.	Low. 0-10	Total 0-10	Height of Base (feet)			Dir.	Force.					Low.	Med.	High.	Low. 0-10	Total 0-10	Height of Base (feet)			7h.-15h. 29th	15h.-18h. 29th	18h.-30th 30th	1h.-Th. 30th		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	
London (Kew)...	1009.3	-2.0	W	4	c	68	45	8	-	-	9	9	1500	1009.8	+2	W	4	c	68	45	8	5	-	-	9	9	1500	0	*	cprc	c	bccRc	cpcc			
Croydon	1009.2	-1.8	WSW	5	c	70	55	8	-	-	7.8	7.8	2500	1009.8	-4	W	4	bc	67	55	8	8	-	-	4.6	4.6	4000	1	*	crrmm	cyprq	bccprbc	bccrsm			
S. Farnborough	1009.7	-1.4	W/N	4	c	71	55	8	-	-	7.8	7.8	4000	1010.4	+6	W/N	4	c	67	55	8	8	-	-	7.8	7.8	4000	1	*	cRrc	bey	cpbbc	cbcc			
Winchester	1010.7	-6	W/N	5	pr	65	65	8	-	-	9	9	2500	1010.9	+6	W	4	c	64	65	8	8	-	-	9	9	2500	1	*	ocbce	cbeybcv	bcbv	b			
Boscombe Down	1010.7	-6	W	5	bc	67	45	8	-	-	4.6	4.6	2500	1011.1	+6	W/N	4	c	64	65	8	8	-	-	9	9	2500	0	*	cbey	beycyc	cbcb	b			
Calshot, S'thmtn	1011.0	-12	W	5	bc	68	65	8	-	-	4.6	4.6	1500	1011.3	+4	W/S	4	bc/pr	63	85	8	8	-	-	4.6	4.6	2500	1	3	bey	orrbc	bcbw	bw			
Dungeness	*	*	W	4	c	*	*	7	-	-	7.8	7.8	1500	*	*	W	3	c/pr	*	*	7	8	-	-	9	9	1500	*	3	pr	pr	*	bc			
Lympe	1010.0	-1.8	W/N	3	bc	66	75	8	-	-	4.6	4.6	2500	1010.3	-10	WSW	3	c/pr	63	65	8	7	3	-	-	4.6	7.8	4000	0	*	orRmbe	bccprq	cb	cpr, bcc		
Shoeburyness	1008.9	-3.6	SW	1	bc/pr	63	95	7	9	-	-	4.6	4.6	2500	1008.7	+4	W/S	3	bc	67	65	8	5	-	-	4.6	4.6	4000	1	*	crrbc	bc	bcb	bew		
Felixstowe	1008.1	-2.6	SE	3	bc	69	75	8	2	-	-	4.6	4.6	2500	1007.8	+4	W/S	3	cjp	69	55	8	8	-	-	7.8	7.8	2500	0	2	c	bccprq	cp, y-b	bbe		
Gorleston	1007.4	-2.0	WSW	3	bc	69	75	7	1	-	-	4.6	4.6	4000	1007.8	+10	NW/N	3	c	66	65	7	8	7	-	-	7.8	7.8	2500	0	3	cbey	bccbc	cbccprl	bccpr	
Cranwell	1007.7	-1.6	WSW	4	c	68	45	8	3	-	-	7.8	9	4000	1008.0	+2	NW/W	4	c	65	55	8	8	-	-	9	9	4000	0	*	c	cbeq	cPRbc	bccm		
Birmingham	1009.0	-8	WSW	4	cjp	65	55	3	2	7	-	4.6	7.8	2500	1009.4	+2	W	3	bc	65	55	9	2	3	-	-	4.6	4.6	2500	1	*	cPR	cpr	cRRc	cb	
Upper Heyford	1009.3	-1.6	W	4	c	69	45	8	8	-	-	7.8	7.8	2500	1010.2	+8	W	2	bc/pr	62	75	9	9	-	-	3	4.6	4.6	1500	0	*	cbcc	cpr	bccpr	c	
Ross-on-Wye	1010.0	-4	WNW	3	bc/pr	66	55	8	2	6	-	1	4.6	4000	1010.3	0	W	2	bc	65	65	8	4	6	-	-	2.3	4.6	4000	1	*	cRbc	bcc	bcb	b	
Portland Bill	1013.2	-6	W	4	c	65	75	8	4	-	-	4.6	7.8	1500	1012.5	+4	W/S	4	c	63	85	8	8	4	-	-	4.6	7.8	1500	1	4	c	cbqpr	cqpr	bcb	
Plymouth	1013.9	0	W/N	5	c/pr	63	65	8	8	-	-	9	9	1500	1013.7	0	W/N	6	cjp	63	75	8	9	-	-	7.8	7.8	1500	1	3	cbqpr	cqpr	cbqpb	bbe		
The Lizard	1015.2	-2	W/S	5	bc	66	75	8	4	5	-	4.6	4.6	4000	1015.3	+2	W/N	4	c	61	95	8	8	-	-	7.8	7.8	2500	0	3	bcc	bcc	cbw	bbeu		
Stilly (St. Mary's)	1015.7	-2	WNW	5	q	65	75	7	8	6	-	4.6	7.8	2500	1016.2	+4	NW/W	6	bc	63	85	7	3	-	-	1	4.6	4.6	2500	0	4	cq	bcpq	bcb	bubc	
Guernsey	1015.2	0	WNW	5	bc	67	75	8	8	-	-	2.3	2.3	2500	1015.2	0	WNW	5	c	63	75	7	8	-	-	7.8	7.8	2500	1	4	orrbc	bcc	pr, bc	bu		
Pembroke	1011.0	-8	W	4	c	62	85	7	5	7	2	4.6	7.8	4000	1012.2	+4	WSW	2	bc	62	85	7	5	7	-	-	2.3	4.6	2500	0	2	cqpr, c	cbe	bcb	bbe	
Holyhead	1009.8	-2	SW	4	c	61	85	8	7	-	-	9	9	2500	1011.7	+16	NW/N	4	bc	63	75	8	8	-	-	1	4.6	4.6	2500	0	2	pr, c	pr, bc	bcbq	bbe	
Chester (Sealand)	1008.5	-10	W/N	4	c	66	55	9	7	-	-	7.8	7.8	2500	1009.9	+12	WNW	5	c/pr	62	65	8	8	4	-	-	7.8	7.8	1500	1	*	PRac	cpr, bc	cbq	bbe	
L'pool (Bidston)	1008.4	-4	NW/W	5	bc	64	65	9	1	-	-	2.3	2.3	1500	1009.6	+6	NW	5	c	60	75	8	5	7	-	-	2.3	7.8	2500	0	*	bcpvq	vq, bcc	cpr, bc	ccv	
Harrogate	1007.4	-6	WSW	3	pr	60	75	8	3	7	-	7.8	9	2500	1007.9	0	WSW	2	c	58	85	8	8	7	-	-	7.8	9	2500	1	*	bccprp	c, c	cbcc	bcb	
Spurn Head	1006.3	-6	NW	5	c	67	75	7	3	7	-	4.6	7.8	4000	1008.0	+2	ENE	3	TLH	56	95	7	3	2	-	-	4.6	9	4000	2	2	bcc	cRtel	cl	lbcc	
Catterick	1005.8	-6	WSW	4	cjp	65	65	9	3	6	3	4.6	7.8	4000	1008.1	+20	W/S	1	pr	57	95	8	9	-	-	9	9	1500	1	*	bcp, c	ybc, pr	cprbu	uc		
Tynemouth	1006.3	+4	W	2	bc	68	85	7	9	-	-	4.6	4.6	1500	1007.2	+10	N	3	bc	58	85	8	2	-	-	-	4.6	4.6	2500	1	2	cbe	bcc	bcc	bc	
Inchkeith	1006.8	+6	E	2	ir	58	95	8	9	-	-	9	9	1500	1009.7	+20	NE	1	c	58	95	8	8	3	9	-	-	4.6	7.8	2500	0	1	cifirc	ir, rrt	cir	bcc
Leuchars	1007.2	+6	NE	3	c	59	85	8	6	7	-	7.8	9	800	1009.8	+18	NE	1	cjp	59	75	8	9	3	-	-	4.6	9	1500	1	*	ed, c	crrc	c, c	bcw	
Renfrew (Abbott's L)	1006.1	+6	NNW	3	t	62	75	8	2	8	-	7.8	9	1500	1010.1	+26	NE	1	ir	57	95	8	8	7	-	-	9	9	4000	1	*	cP, c	cprP	r, cbc	bcc	
Eskdalemuir	1005.7	0	SW/W	3	pr	57	85	8	9	-	-	9	9	1500	1009.0	+24	NNE	2	c	56	85	8	9	7	-	-	9	9	1500	1	*	cPR	cpr, c	cbe	bcc	
Tiree	1009.7	+20	NNW	4	bc	60	75	9	1	6	5	1	4.6	4000	1012.3	+14	NW/N	#3	bc	60	75	9	1	3	-	-	2.3	2.3	4000	0	3	cbe	bc	bcb	bccpr	
Stornoway	1009.7	+20	NNW	4	bc	60	75	9	1	6	5	1	4.6	4000	1012.3	+14	NW/N	#3	bc	60	75	9	1	3	-	-	2.3	2.3	4000	0	3	cbe	bc	bcb	bccpr	
Dalwhinnie	1008.6	+8	NE	2	ir	57	75	8	4	1	-	4.6	7.8	2500	1010.5	+20	NE	1	ir	53	85	8	4	2	-	-	4.6	7.8	2500	1	*	bccpr	c	cpr	cpr	
Aberdeen	1007.3	+10	NE/N	2	ir	56	95	7	9	2	-	7.8	10	1500	1009.0	+10	NNW	3	c	58	75	8	8	7	-	-	4.6	7.8	1500	1	1	crr	crr	c	bcc	
Wick	1007.1	+4	ESE	2	c	56	85	8	4	7	8	7.8	7.8	2500	1009.0	+12	WNW	3	c	58	75	8	8	7	-	-	4.6	7.8	2500	0	2	cprc	cpr, c	c	bcc	
Lerwick	1005.7	+4	NW	3	c	57	65	9	8	1	-	7.8	9	1500	1006.7	+8	NW	2	c	55	75	9	8	-	-	-	9	9	1500	0	*	bcc	c	c	bcc	
Blackad Point	1013.8	+28	N	4	bc	61	75	9	2	-	-	4.6	4.6	1500	1016.9	+18	N	3	bc	60	75	9	2	-	-	-	2.3	4.6	4000	1	3	pr, cq	bc	bccbc	bcc	
Malin Head	1010.3	+22	NW	4	bc	60	75	7	8	3	3	2.3	2.3	1500	1013.6	+18	NW	4	b	59	75	8	2	-	-	-	1	1	2500	0	2	c	bccbc	bcc	bcc	
Aldergrove	1008.7	+16	NW	5	c	62	65	9	4	-	-	7.8	7.8	1500	1012.5	+18	NNW	5	bc	60	65	9	1	-	-	1	2.3	2.3	4000	1	*	cprbc	bcc	bcc	bcc	
Donaghadee	1007.9	+4	W	3	c	62	95	8	9	3	-	4.6	7.8	2500	1011.0	+20	N	3	bc	61	75	8	2	3	-	-	2.3	4.6	2500	0	2	c	bcc	bcc	bcc	
Birr Castle	1010.5	+16	NNW	2	c	65	75	8	8	-	-	7.8	7.8	2500	1013.9	+20	NNW	2	c	64	55	8	1	-	-	8	1	7.8	2500	1	*	orirc	c	bcc	bcc	
Valentia Obay.	1014.8	+14	NNW	5	cjp	61	85	7	5	-	-	9	9	1500	1017.6	+10	NNW	3	c/pr	61	85	8	8	3	-	-	9	9	800	1	3	cpr, prc	cpr, c	bcc	bcc	
Roche Point...	1011.8	-2	NW	5	bc	60	85	9	3	-	-	4.6	4.6	2500	1014.3	+20	NW	5	bc	63	85	9	3	-	-	-	4.6	4.6	2500	0	3	cpbev	bcp, bev	bcbw	bccu	

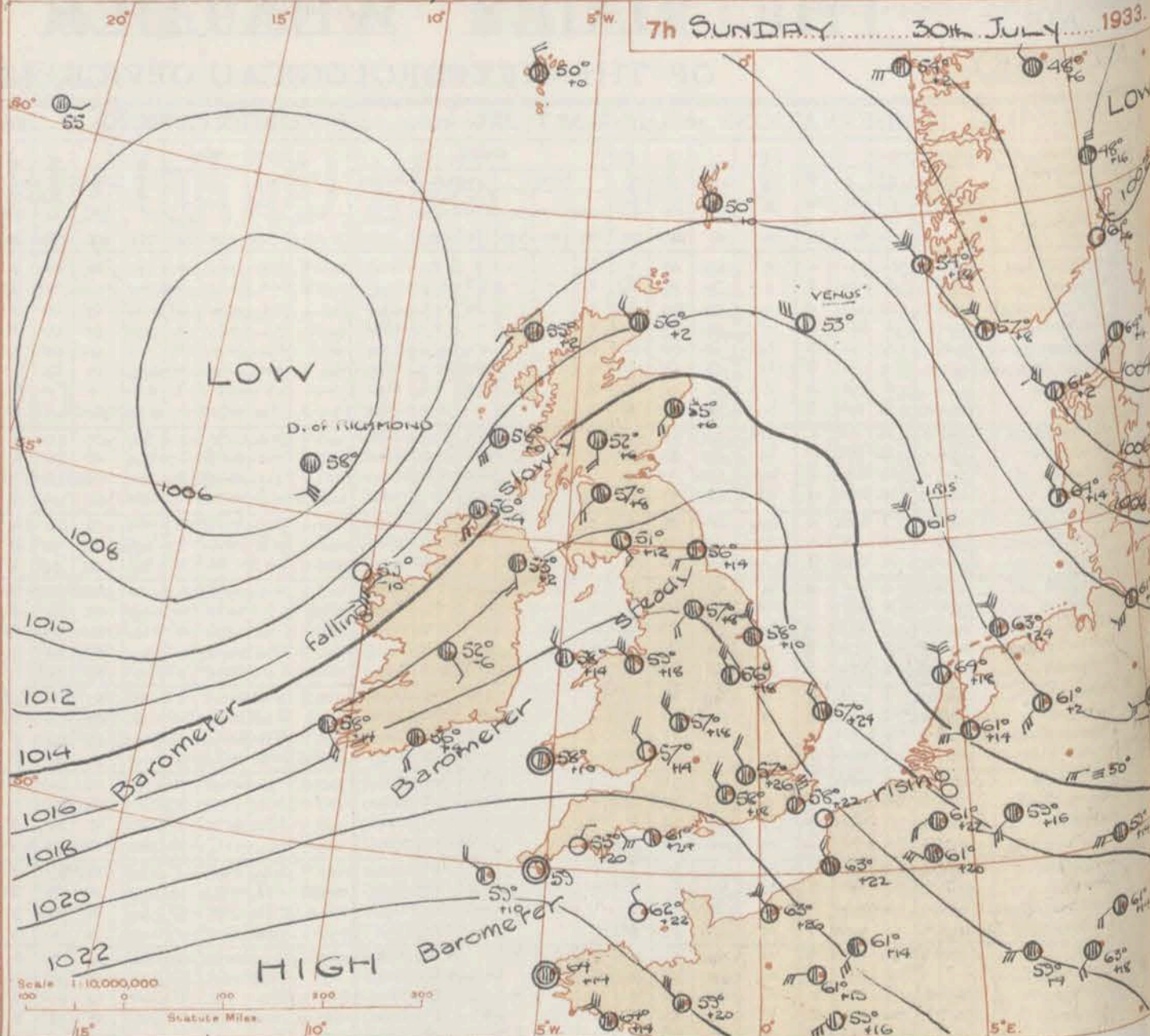


# REPORTS from HEALTH RESORTS for 29th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	Sunrise	Sunset.
				9h. to 2h.	9h. to 17h.	17h. to 9h.	9h. to 17h.	to 17h.	to Sunset.
1	Tunbridge W.	oroc	bc	57	70	11	2	3.6	10.7
	Bournemouth	bc	bc	68	70	11	-	6.5	8.3
	Ventnor	oroc	bc	60	68	11	Trace	7.5	9.6
	Southsea	bc	bc	59	71	11	Trace	7.0	9.7
	Bognor Regis	bc	bc	61	70	6	1	5.5	10.1
	Littlehampton	oroc	bc	61	70	7	0.2	3.9	10.1
	Worthing	oroc	bc	61	69	6	0.5	4.7	10.2
	Brighton	oroc	bc	61	69	7	0.3	4.5	10.4
	Eastbourne	oroc	bc	61	67	4	1	5.8	11.5
	Hastings	oroc	bc	60	70	3	1	4.0	10.9
	Folkestone	oroc	bc	61	71	4	1	3.1	11.5
	Dover	oroc	bc	60	70	3	5	2.8	10.9
2	Deal	oroc	bc	60	73	3	5	2.7	11.0
	Ramsgate	oroc	bc	60	71	2	3	2.9	9.9
	Margate	oroc	bc	61	71	1	9	2.8	9.8
	Southend	oroc	bc	59	69	2	8	2.5	9.4
	Maldon	oroc	bc	60	71	Trace	-	3.8	10.3
	Clacton-on-Sea	oroc	bc	61	72	-	0.3	3.3	9.9
	Dovercourt	oroc	bc	61	73	-	-	3.1	9.9
	Lowestoft	oroc	bc	59	76	0.1	-	5.1	8.5
	Skegness	oroc	bc	55	72	0.1	Trace	7.1	5.3
	Mablethorpe	oroc	bc	56	71	Trace	1	4.8	5.1
	Cleethorpes	oroc	bc	56	71	Trace	Trace	5.1	4.4
	Leamington S.	oroc	bc	58	70	Trace	-	5.4	5.2
3	Cheltenham	oroc	bc	58	69	Trace	Trace	4.8	4.2
	Bath	oroc	bc	60	69	0.5	0.3	6.5	5.4
	Weymouth	oroc	bc	58	69	6	-	6.6	8.0
	Jersey	oroc	bc	61	65	30	0.5	5.5	12.1
	Torquay	oroc	bc	58	69	6	-	8.0	7.3
	Penzance	oroc	bc	57	67	10	Trace	8.7	2.7
	St. Ives	oroc	bc	58	66	4	Trace	7.0	2.9
	Bude	oroc	bc	57	65	10	-	6.0	4.3
	Ilfracombe	oroc	bc	59	65	-	-	7.8	4.7
	Aberystwyth	oroc	bc	59	64	Trace	-	1.5	2.0
	Llandudno	oroc	bc	56	65	2	4	6.5	2.1
	Colwyn Bay	oroc	bc	57	63	0.3	6	5.6	2.5
4	Rhyl	oroc	bc	58	67	Trace	0.6	4.8	1.9
	Wallaasey	oroc	bc	58	68	Trace	Trace	6.7	0.5
	Southport	oroc	bc	59	67	0.3	-	6.5	3.2
	Blackpool	oroc	bc	57	65	1	Trace	6.8	2.6
	Morecambe	oroc	bc	56	64	0.5	1	5.3	3.6
	Ilkley	oroc	bc	53	68	0.5	Trace	6.8	3.7
	Berwick-on-T.	oroc	bc	54	59	2	3	2.7	11.9
	Dunbar	oroc	bc	57	58	3	Trace	0.3	10.6
	Troon	oroc	bc	56	64	2	2	1.1	3.5
	Douglas	oroc	bc	54	64	1	0.3	6.0	3.4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. † Min. Temp. 17h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th July, 1933.
1. S.E. England	Moderate northwesterly wind backing to southwesterly; fair apart from local showers today; cloudy with rain tomorrow; moderate temperature.
2. E. England...	
3. E. Midlands	
4. W. Midlands	Light or moderate westerly wind backing southwest and freshening; fair at first with increasing cloud and some rain after this evening; coastal fog patches tomorrow; moderate temperature.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	
10. N.E. England	As 0 - 3.
11. S.E. Scotland	
12. S.W. Scotland & Isle of Man	As 4 - 8.
13. { A. W. Scotland B. N.W. Scotland	
14. Mid-Scotland	Light westerly wind backing to southwest and freshening; fair apart from local showers today; cloudy with rain tonight and tomorrow; moderate temperature.
15. N.E. Scotland	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind southwesterly moderate to fresh; cloudy, rain at times; moderate temperature; coastal fog patches.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.  
WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol. — TEMPERATURE is given in degrees F.  
WEATHER SYMBOLS. — Clear sky. — Sky less than 1/2 cloudy. — Sky 1/2 to 3/4 cloudy. — Overcast sky. — Rain falling. — Snow. — Sleet. — Hail. — Fog. — Mist. — Thunder. — Thunderstorm. — Haze.  
SEA DISTURBANCE. — Rough. — High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

### GENERAL INFERENCE.

A wedge of high pressure is moving eastwards over the British Isles, while a depression to the west of Ireland is moving northeast. Over Eastern England and Eastern Scotland weather will be fair today apart from local showers but rain will spread in from the Atlantic to western districts today and reach eastern districts tomorrow.

### FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1200 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S.  
Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



## EXPLANATION OF CHART.

**BAROMETER.** Isobars are drawn for intervals of four millibars.

**WIND.** Arrows fly with the wind. Number of feathers indicate Beaufort Force.

☉ - Calm.

**TEMPERATURE** is given in degrees F.

**WEATHER** is given in Beaufort Notation (see page 1) and by symbols (see opposite page).

All times are G.M.T. Add one hour to get summer time.



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 30th July														OBSERVATIONS at 7 hr. G.M.T. 30th July														PAST 24 HOURS.												
	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun. in 24 hrs.						
				Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Low.	Med.	High.	Low.			Total 0-10.	Min. Day 7h-12h.	Min. Night 12h-7h.	Min. on Grass 6p-9p.	Day 7h-12h mm.		Night 12h-7h mm.					
																																					Low.	Med.	High.	Low.	Total 0-10.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)							
1 London (Kew)...	18	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1017.9	+30	WNW	1	c	59	85	7	5	-	7-8	7-8	2500	1	*	70	56	52	0.2	4	4.9						
Croydon	217	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1018.1	+26	WNW	2	3	57	85	6	5	2	-	9	9	800	1	*	71	56	53	5	1	5.1					
S. Farborough	287	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1018.5	+18	WNW	2	bc	58	75	5	5	-	9	2-3	1500	1	*	73	54	43	2	Tr.	6.7						
Winchester	275	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1018.8	+24	WNW	3	bc	56	85	5	4	-	9	0	2-3	-	1	*	69	51	47	Tr.	-	8.7					
Boacombe Down	417	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1018.9	+20	NW	3	bc	57	65	6	4	-	9	0	2-3	-	0	*	68	50	46	-	-	7.9					
Calshot (St. thmtn)	8	1013.7	+14	W	2	bc	56	85	7	8	7	2-3	4-6	4000	1018.7	+24	WNW	4	bc	58	75	8	-	-	4	0	4-6	-	0	*	71	54	51	3	-	7.9					
Dungeness	20	1013.3	+8	WNW	3	pr	55	95	7	8	7	2-3	4-6	4000	1018.7	+24	WNW	4	bc	58	75	8	-	-	4	0	4-6	-	0	*	73	51	48	3	Tr.	4.1					
Lymington	340	1013.3	+8	WNW	3	pr	55	95	7	8	7	2-3	4-6	4000	1017.2	+22	WNW	3	bc	58	85	6	5	-	2-3	2-3	1500	0	*	70	51	49	6	Tr.	3.8						
2 Shoeburyness	11	1011.1	+14	W	3	b	56	85	7	-	-	0	0	-	1017.2	+30	WNW	3	c	57	85	6	5	-	7-8	7-8	1500	1	*	71	53	48	5	Tr.	3.7						
Felixstowe	15	1011.1	+14	W	3	b	56	85	7	-	-	0	0	-	1016.7	+30	NW	2	bc	60	85	7	5	-	4-6	4-6	1500	0	1	74	54	51	Tr.	-	4.8						
Gorleston	5	1011.1	+14	W	3	b	56	85	7	-	-	0	0	-	1015.8	+24	WNW	2	c/pr	57	85	6	8	-	7-8	7-8	2500	0	2	73	51	48	-	Tr.	6.2						
Cranwell	240	1011.1	+14	W	3	b	56	85	7	-	-	0	0	-	1017.4	+24	NW	3	c	56	85	6	-	-	6	0	9	-	1	*	70	51	49	-	7	7.1					
3 Birmingham	535	1018.4	+18	WNW	3	b	57	85	8	-	-	0	0	-	1018.4	+18	WNW	3	b	57	85	8	-	-	1	0	Tr.	-	1	*	67	53	44	2	3	7.1					
Upper Heyford	408	1019.1	+20	WNW	3	c	56	85	8	5	2	-	9	10	1500	1019.1	+20	WNW	3	c	56	85	8	5	2	-	9	10	1500	1	*	70	53	46	Tr.	0.5	9.0				
4 Ross-on-Wye	223	1018.8	+14	WNW	2	b	57	75	8	5	-	9	Tr.	Tr.	4000	1018.8	+14	WNW	2	b	57	75	8	5	-	9	Tr.	Tr.	4000	0	*	70	50	43	Tr.	-	9.0				
5 Portland Bill	32	1015.9	+16	WNW	4	b	61	85	8	-	-	0	0	-	1020.3	+24	W	4	bc	61	75	8	1	-	2-3	2-3	2500	0	2	66	56	48	-	-	8.7						
Plymouth	82	1015.9	+16	WNW	4	b	61	85	8	-	-	0	0	-	1020.7	+20	NE	1	b	55	85	8	-	-	9	0	Tr.	-	1	2	65	50	48	0.3	-	8.7					
The Lizard	240	1015.2	+12	WNW	3	b	58	95	8	4	-	Tr	Tr	4000	1021.3	+12	-	0	b	59	95	8	7	4	-	1	4000	0	1	66	55	48	-	-	11.0						
Scilly (St. Mary's)	163	1020.0	+12	WNW	4	b	58	95	8	5	-	1	1	4000	1021.5	+10	W/N	2	bc	59	95	8	2	4	9	1	2-3	4000	0	1	65	56	48	0.3	Tr.	7.0					
Guernsey	175	1017.4	+12	WNW	3	b	60	95	7	-	-	0	0	-	1020.8	+22	NW	1	b	62	75	8	-	-	0	0	-	0	3	67	58	51	2	Tr.	7.0						
6 Pembroke	142	1018.1	+16	NW	1	bc	57	85	8	1	4	1	2-3	4000	1019.6	+10	-	0	bc	58	85	8	5	7	2	2-3	4-6	5700	0	1	64	53	48	-	-	7.3					
Holyhead	26	1016.7	+20	WNW	5	q	58	75	8	-	-	0	0	-	1018.5	+14	WNW	2	c	58	85	8	2	4	-	1	9	2500	0	1	65	56	53	Tr.	-	7.9					
Chester (Sealand)	16	1018.6	+16	WNW	4	bc	59	85	8	7	-	5	2-3	4000	1018.6	+16	WNW	4	bc	59	85	8	7	-	5	2-3	4000	0	*	68	56	52	1	0.2	4.4						
L'pool (Bidston)	198	1018.4	+16	WNW	3	c	58	85	9	3	-	1	7-8	1500	1018.4	+16	NW	3	c	58	85	9	3	-	1	7-8	7-8	1500	0	*	64	56	54	0.2	Tr.	6.9					
9 Harrogate	478	1011.4	+10	N	5	bc	58	95	7	3	2	-	2-3	4-6	4000	1016.5	+14	SW	1	bc	54	85	8	-	7	8	0	2-3	-	0	*	68	48	44	0.4	-	6.2				
10 Spurn Head	29	1011.4	+10	N	5	bc	58	95	7	3	2	-	2-3	4-6	4000	1015.8	+10	WNW	5	c	58	95	6	5	2	8	2-3	7-8	2500	0	3	68	53	48	12	4	8.8				
Catterick	175	1012.6	+12	NW	3	bc	54	95	7	2	-	4-6	4-6	2500	1016.2	+8	W/S	2	c	57	75	8	-	4	7	0	10	-	1	7	67	46	40	1	0.4	8.8					
Tynemouth	100	1012.6	+12	NW	3	bc	54	95	7	2	-	4-6	4-6	2500	1016.5	+14	W	2	bc	56	85	7	4	-	4-6	4-6	4000	1	1	66	53	50	5	-	1.8						
11 Inchkeith	190	1013.4	+10	SW	2	bc	55	95	7	4	-	4-6	4-6	2500	1014.9	+18	SW	4	c	52	95	8	5	4	2	2-3	9	2500	1	2	59	51	48	8	1	0.4					
Leuchars	35	1014.9	+18	SW	2	c	53	85	8	5	3	6	4-6	6000	1014.9	+18	SW	2	c	53	85	8	5	3	6	4-6	6000	1	2	60	46	43	7	0.1	1.7						
12 Renfrew (Abbotts)	18	1015.6	+10	WSW	2	c	57	85	8	-	-	1	9	9	4000	1015.6	+10	WSW	2	c	57	85	8	-	-	1	9	9	4000	1	2	63	47	43	7	0.1	1.7				
Eskealemuir	794	1016.0	+12	SE	1	bc	51	85	9	-	-	2	0	4-6	-	1016.0	+12	SE	1	bc	51	85	9	-	-	2	0	4-6	-	1	60	40	36	4	Tr.	12.0					
13a Tisee	22	1014.7	+10	WSW	3	c	58	85	8	7	7	-	4-6	7-8	2500	1014.7	+10	WSW	3	c	58	85	8	7	7	-	4-6	7-8	2500	1	2	60	54	46	-	0.2	6.4				
13b Stornoway	34	1014.7	+10	WSW	3	c	58	85	8	7	7	-	4-6	7-8	2500	1014.7	+10	WSW	3	c	58	85	8	7	7	-	4-6	7-8	2500	1	2	60	54	46	-	0.2	6.4				
15 Dalwhinnie	1176	1014.6	+6	S	2	c	52	85	8	4	2	-	4-6	10	800	1014.6	+6	S	2	c	52	85	8	4	2	-	4-6	10	800	0	1	61	52	42	37	9	1.2				
Aberdeen	37	1013.4	+6	S	2	c	53	75	8	5	-	9	9	5700	1013.4	+6	W/S	2	c	53	75	8	5	-	9	9	5700	1	1	58	48	43	5	-	0.1						
Wick	81	1011.1	+8	W	2	c	52	95	8	5	1	-</																													



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 31st July 1933.

No. 26,184

URS.

Night  
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## OBSERVATIONS at 13h. G.M.T. 30th July

## OBSERVATIONS at 18h. G.M.T. 30th July

## PAST 24 HOURS.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.					State of Ground.	Sea.	WEATHER.					
			Dir.	Force					Form.	Amount.	Height of Base. (feet).	Dir.	Force			Form.	Amount.					Height of Base. (feet).	Th.—13h. 30th.	13h.—18h. 30th.	18h.—20h. 15.	20h.—21h. 15.			21h.—Th. 31st.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	
(For heights see p. 4.)																																		
1 London (Kew)...	1018.7	-8	WSW	2	c	69	45	8	8	6	-	4.6	7.8	2500	1017.1	-10	SW	4	bc	74	45	8	7	8	9	1	2.3	2500	0	.	c	bcy	bccpf	cpcc
Croydon	1018.9	-2	WSW	3	c	70	45	8	1	3	1	4.6	7.8	4000	1017.6	0	SW	4	bc	70	45	8	1	9	9	1	4.6	4000	0	.	c bc	bc	bc	eddmid
S. Farnborough	1018.6	-8	WNW	3	bc	74	45	8	1	3	-	4.6	4.6	4000	1017.3	-8	SW	5	bc	69	55	9	7	4	-	Tr	1	4000	0	.	bc yv	bccybyv	bcc	crcc
Winchester	1019.1	-6	W	2	bc	69	55	8	7	4	9	2.3	4.6	4000	1017.6	-4	(S'W)	bc	67	65	8	7	-	-	-	2.3	2.3	4000	0	.	bccy	bccy	bcc	crcc
Boscombe Down	1018.8	-8	WS	3	bc	70	45	8	1	3	1	2.3	4.6	4000	1017.0	-8	SW	4	bc	66	65	8	8	6	-	4.6	4.6	2500	0	.	bccy	bccy	bcc	crcc
Calshot, S'thmth	1019.6	-2	SSW	4	bc	70	55	8	7	8	-	2.3	4.6	4000	1018.6	-6	SW	3	bc	66	75	8	7	5	-	1	2.3	4000	0	3	bc y	bccy	cpcc	crcc
Dungeness	*	*	SW	3	bc	*	*	7	8	-	-	4.6	4.6	2500	1018.7	-2	SW	4	bc	66	65	8	7	5	9	-	2.3	4.6	2500	0	5	bc	bc	p
Lympne	1019.4	+2	S	3	c	65	76	8	8	7	-	7.8	7.8	2500	1018.7	-2	SW	4	bc	66	65	8	-	9	-	0	4.6	-	0	.	bc c	bc	bccv	crcc
2 Shoeburyness	1018.5	-4	SSW	2	bc	69	65	7	1	7	-	4.6	4.6	4000	1016.7	-14	SSW	3	c	70	65	7	1	7	-	1	7.8	4000	0	.	bc	bc	bc	bcc
Felixstowe	1018.5	+2	S'E	4	c	68	65	8	8	3	1	4.6	7.8	4000	1016.7	-10	S'E	4	c	69	65	8	1	6	6	0	7.8	-	0	3	bc y	bc	bc	bcc
Gorleston	1017.8	+6	NE	2	c	66	75	7	8	-	-	7.8	7.8	2500	1015.6	-12	S'E	5	bc	65	75	7	1	6	-	2.3	4.6	2500	0	3	bc c	bc c	bcc	crcc
Cranwell	1017.3	-4	WSW	3	c	68	55	7	2	3	5	7.8	9	4000	1014.9	-14	SW	3	c	68	55	8	5	7	-	7.8	9	4000	0	.	bc c	c	c	crcc
3 Birmingham	1018.0	-8	SW	3	c	67	55	8	1	3	-	4.6	7.8	4000	1014.7	-16	SSW	3	bc	68	45	9	7	3	-	1	4.6	4000	1	.	b bc	c bc	bcc	crcc
Upper Heyford	1018.4	-10	W	4	c	69	55	8	2	2	9	4.6	9	2500	1015.9	-18	SSW	2	bc	69	55	9	7	7	5	0	2.3	-	0	.	c bc c	c	bcc	crcc
4 Ross-on-Wye	1017.8	-6	WSW	3	bc	69	45	8	7	9	9	2.3	4.6	5700	1015.6	-12	WSW	4	c	65	55	9	6	7	-	2.3	9	4000	0	.	bccy	bccy	bcc	crcc
5 Portland Bill	1020.1	-6	W	4	bc	64	85	8	1	4	-	2.3	4.6	2500	1018.5	-10	W	4	bc	63	85	7	4	-	-	4.6	4.6	2500	0	3	bc	bc	bcc	crcc
Plymouth	1020.3	-8	S'W	4	bc/f	66	85	8	2	-	9	1	2.3	2500	1018.1	-16	SW	5	c	62	85	8	6	7	-	2.3	9	1500	1	3	b bc f b	b cr	bcc	crcc
The Lizard	1021.1	-4	SW	3	bc	68	75	8	7	3	-	2.3	4.6	4000	1018.1	-10	SSW	4	c	62	85	7	5	-	-	9	9	2500	0	3	bc	bc c	crif	crcc
Scilly (St. Mary's)	1020.5	-12	WSW	4	c	65	75	8	8	7	-	2.3	7.8	2500	1016.8	-24	SSW	4	c	63	95	7	5	-	-	9	9	4000	0	3	bcc	cpo	dncp	crcc
Guernsey	1021.6	0	WNW	3	bc	67	75	7	8	-	-	4.6	4.6	2500	1020.3	-8	WNW	4	bc	65	75	8	-	3	-	0	4.6	-	0	3	b bc	bc	bcc	crcc
6 Pembroke	1018.6	-6	SW	3	bc	64	75	7	7	2	-	2.3	4.6	4000	1012.6	-26	SSW	5	tr	60	95	6	5	-	-	10	10	1500	1	4	c bc	cpcc	cpcc	crcc
Holyhead	1016.8	-18	SSW	4	c	62	75	9	5	7	-	Tr	9	2500	1011.1	-34	S'W	5	c	61	85	8	5	7	-	1	10	1500	0	2	c	cpcc	cpcc	crcc
Chester (Sealand)	1017.1	-16	SSW	2	c	63	45	9	7	7	8	2.3	9	4000	1012.7	-34	S'W	3	c	69	45	9	5	3	-	4.6	7.8	5700	0	.	bc cry	bccy	cr	crcc
8 L'pool (Bidston)	1017.6	-6	NNW	1	c	61	85	9	2	7	-	2.3	7.8	2500	1012.7	-24	SSW	2	c	69	45	9	5	-	-	2.3	7.8	2500	0	.	cr	cr	cr	crcc
9 Harrogate	1016.1	0	SW	3	c	66	55	9	1	6	9	4.6	7.8	4000	1016.3	-14	S	2	bc	65	65	6	8	7	9	4.6	4.6	4000	0	.	b bc	bc	bcc	crcc
10 Spurn Head	1016.6	+2	SSE	4	c	64	85	7	5	7	-	4.6	7.8	4000	1013.9	-4	W	5	c	68	65	7	8	7	-	2.3	7.8	4000	0	3	c bc c	bc	bc	crcc
Catterick	1015.4	-8	SW	3	c	67	55	9	4	4	6	2.3	9	4000	1012.2	-24	SSE	2	c	64	55	8	-	7	9	0	7.8	-	0	.	cy	cyv	ycq	crcc
Tynemouth	1014.4	-8	W	3	bc	67	85	7	1	-	1	4.6	4.6	2500	1013.0	-16	SW	3	bc	64	55	7	2	-	-	4.6	4.6	4000	0	1	bc	bc	bcc	crcc
11 Inchkeith	1013.6	-14	SW	3	c	60	85	8	8	-	-	9	9	4000	1010.0	-26	SW	3	c	60	75	8	2	7	-	Tr	9	4000	1	2	c	cr	cr	crcc
Leuchars	1013.9	-8	WSW	3	c	63	65	8	1	8	4	4.6	9	2500	1010.3	-22	S	1	tr	59	85	8	6	7	8	1	9	1500	1	.	cyc	cyc	cr	crcc
Renfrew (Abbott's)	1013.6	-12	SSW	3	c	61	65	9	8	2	-	2.3	10	4000	1008.2	-28	SE	3	c	61	65	8	6	-	-	10	10	4000	1	.	c	cr	cr	crcc
12 Eskdalemuir	1014.4	-10	SW	4	c	59	75	9	8	7	-	4.6	10	2500	1010.8	-28	SSW	4	c	57	75	9	5	7	8	4.6	9	4000	1	.	bc c	c	cr	crcc
13 Tiree	1011.0	-20	SSE	4	c	59	85	8	5	2	-	4.6	9	2500	1000.9	-38	SE	2	c	58	65	7	8	2	-	2.3	9	2500	0	4	cdcc	c	cr	crcc
14 Stornoway	1011.0	-10	SSW	2	c/pr	60	75	8	8	7	-	7.8	10	800	1009.3	-30	SE	2	c	58	85	8	8	2	-	4.6	10	800	1	1	cpr	cpr	cr	crcc
15 Dalwhinnie	1013.2	-6	SW	3	c	57	65	8	4	2	-	4.6	10	2500	1009.3	-20	S	4	c	55	75	8	4	2	-	4.6	10	2500	0	1	c	c	cr	crcc
Aberdeen	1017.4	-6	S'E	2	c	63	65	8	8	3	-	9	9	2500	1008.6	-24	S	3	c	61	75	7	8	7	-	1	9	2500	1	1	c	c	cr	crcc
Wick	1011.1	0	WNW	2	c	60	85	8	8	1	-	7.8	9	1500	1007.8	-16	RNE	3	c	56	95	8	8	1	-	4.6	9	1500	1	2	cpcc	cpcc	cpcc	crcc
16 Lerwick	1009.3	-2	W's	3	bc	56	75	9	7	-	-	4.6	4.6	2500	1009.2	-8	SW	1	c	55	75	9	7	7	-	2.3	7.8	2500	0	.	bc	bc c	c	crcc
17 Blackod Point	1008.9	-40	S	8	q	63	85	7	9	-	-	10	10	450	997.3	-26	S	8	ld	60	95	7	6	-	-	10	10	450	1	7	prcc	ldq	prcc	ldq
Malin Head	1009.9	-34	S'E	4	q	61	65	8	2	7	-	Tr	9	1500	999.1	-36	SSE	5	r	63	85	7	6	-	-	9	10	800	1	2	prcc	ldq	prcc	ldq
Aldergrove	1013.0	-30	S	4	c	64	65	9	1	9	9	Tr	7.8	4000	1003.8	-56	SSE	5	c	63	75	8	5	-	-	9	9	1500	1	.	crcc	bc c	crcc	ldq
Donaghadee	1014.2	-16	SSW	4	c	61	65	8	5	3	-	4.6	7.8	2500	1006.4	-30	SSW	4	c	60	85	8	5	-	-	9	9	1500	0	3	crcc	cpcc	crcc	ldq
19 Birt Castle	1011.4	-24	S	3	c	64	75	8	8	-	-	9	9	2500	1004.7	-38	S	4	ld	63	85	7	6	-	-	10	10	1500	1	.	c	crcc	ldq	ldq
20 Valentia Obay.	1010.5	-46	S'E	5	tr	62	95	5	6	-	-	10	10	220	1006.4	-14	SW	6	ld	61	95	6	6	2	-	9	10	1500	1	4	ldq	ldq	ldq	ldq
Roches Point...	1015.4	-20	SW	3	tr	61	85	6	6	-	-	10	10	800	1007.5	-36	SW	5	c	62	95	7	3	-	-	9	9	1500	1	5	ldq	ldq	ldq	ldq

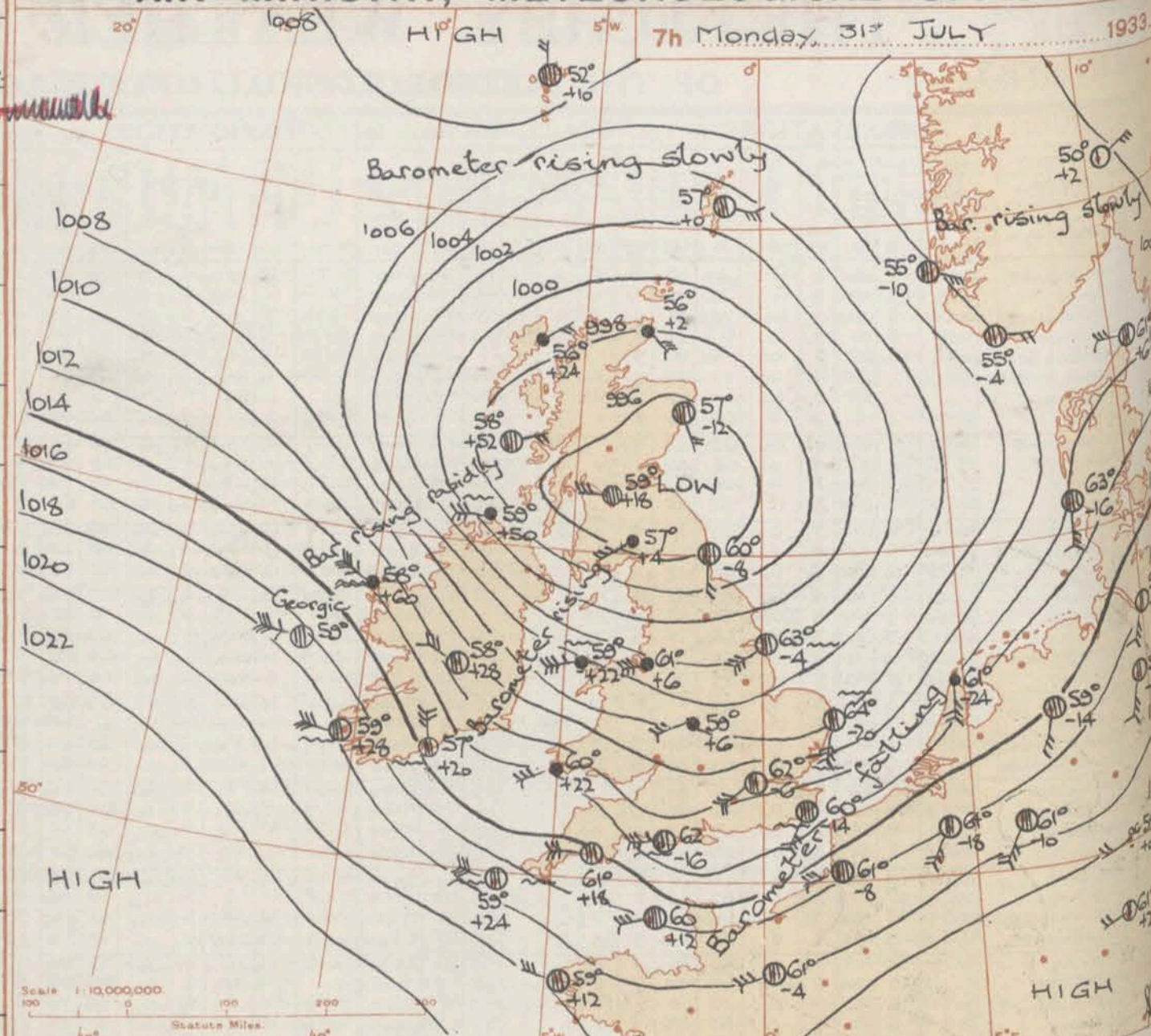


REPORTS from HEALTH RESORTS for 30th July 1933.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Min. 9h. to 30th.	Max. 9h. to 17h. 30th.	Night. 17h. to 9h. 30th.	Day. 9h. to 17h. 30th.	Sunrise to 17h. 30th.	Sunset. 17h. 30th.
1	Tunbridge W.	bc	bc	52	72	Trace	-	8.3	4.9
	Bournemouth	b	b	53	73	1	-	8.2	7.7
	Ventnor	b	bca	55	67	-	-	11.7	7.8
	Southsea	b	b	55	75	-	-	11.9	7.8
	Bognor Regis	b	b	54	71	-	-	12.0	6.9
	Littlehampton	bc	bc	53	68	-	-	12.0	4.7
	Worthing	b	b	55	69	-	-	12.0	4.9
	Brighton	bc	bc	55	68	-	-	10.9	5.0
	Eastbourne	b	b	56	69	-	-	11.5	7.3
	Hastings	bcb	bcb	54	71	-	-	10.7	5.0
	Folkestone	bc	bc	55	72	-	-	10.8	3.6
	Dover	bca	bca	56	68	-	-	9.5	3.6
2	Deal	bcb	bcb	54	71	-	-	9.0	3.2
	Ramsgate	bc	bcb	57	68	-	-	7.7	3.6
	Margate	bcb	bcb	58	70	-	-	9.0	3.8
	Southend	b	bc	55	75	Trace	-	8.6	3.5
	Maldon	b	bc	56	76	-	-	6.8	5.8
	Clacton-on-Sea	b	bc	53	69	-	-	8.3	4.1
	Dovercourt	bcb	bcb	53	72	-	-	10.1	4.1
	Lowestoft	bcb	bcb	50	68	Trace	-	7.9	5.7
	Skegness	bcb	bcb	51	73	1	-	7.2	7.7
	Mablethorpe	c	c	50	73	2	-	8.4	5.2
	Cleethorpes	bcb	bcb	53	74	1	-	8.4	5.7
3	Leamington S.	bc	bc	55	72	3	-	4.7	6.7
	Cheltenham	bcb	bcb	50	72	-	-	5.1	6.2
	Bath	b	b	52	73	-	-	10.6	7.9
	Weymouth	b	b	53	70	Trace	-	12.2	7.6
	Jersey	b	b	59	68	3	-	12.0	6.7
	Torquay	bcb	bcb	51	71	-	-	9.8	9.4
	Penzance	bcb	bcb	55	68	-	-	6.9	10.0
	St. Ives	b	b	58	68	-	-	7.0	9.0
	Bude	wbc	bcb	58	66	-	-	7.6	7.7
	Ilfracombe	bcb	bcb	59	68	-	-	7.7	9.8
4	Aberystwyth	c	c	57	67	-	-	3.6	2.9
	Llandudno	c	bcb	56	69	-	-	2.3	6.5
	Colwyn Bay	bcb	bcb	56	69	-	-	1.7	5.8
	Rhyl	bcb	bcb	57	68	0.5	-	1.6	7.0
	Wallasay	bcb	bcb	58	70	-	-	3.1	7.3
	Southport	bcb	bcb	55	70	-	-	3.9	6.8
	Blackpool	c	bcb	55	66	-	-	2.6	7.0
	Morecambe	bcb	bcb	48	66	-	-	4.8	5.6
	Ilkley	bcb	bcb	47	69	-	-	6.7	8.2
	Berwick-on-T.	bcb	bcb	50	64	-	-	5.0	2.9
	Dunbar	bcb	bcb	51	65	-	-	3.9	0.3
	Troon	bcb	bcb	55	62	Trace	Trace	0.1	1.1
5	Douglas	bcb	bcb	52	62	-	-	2.3	6.8

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h. | Min. Temp. 17h.-9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st July, 1933.
1 S.E. England	Fresh westerly wind, strong locally at first; bright intervals and showers; moderate temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Fresh or strong west to northwest wind, moderating; showers and bright intervals; moderate temperature.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	Fresh west to northwest wind; showers, bright intervals; moderate temperature.
10 N.E. England	
11 S.E. Scotland	Wind northwest or north, moderate or fresh; showers, bright intervals; moderate temperature.
12 S.W. Scotland & Isle of Man	As 9-10.
13 W. Scotland	
14 Mid-Scotland	Moderate northeast or north wind; cloudy, occasional rain or showers; moderate temperature.
15 N.E. Scotland	
16 Orkneys and Shetlands	Moderate northeasterly wind; cloudy, some showers; moderate temperature.
17 N.W. Ireland	
18 N.E. Ireland	Wind northwest, fresh or strong, moderating; showers and bright intervals; moderate temperature.
19 S.E. Ireland	
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Arrows fly with wind. Number of feathers indicate Beaufort Force. Calm is indicated by circle outside weather symbol.

TEMPERATURE is given in degrees.

WEATHER SYMBOLS — ( ) Clear sky. ( ) Sky less than 1/2 clouded. ( ) Sky 1/2 to 1 clouded. ( ) Sky 1 to 1 1/2 clouded. ( ) Overcast sky. ( ) Rain falling. \* Snow. \* Sleet. \* Hail.

Fog. Mist. Thunder. Thunderstorm. Haze.

SEA DISTURBANCE. Rough. High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression centred over Southeast Scotland is moving east. There will be showers in most districts but also bright intervals.

FURTHER OUTLOOK.

A mainly fair interval.

Time of issue of Gale Warnings.

V South Cone hoisted 1540 G.M.T. 30th in districts 5 to 8, 11 to 13B and 17 to 20. At 1910 G.M.T. 30th in district 1.

Forecasts issued at 0915 G.M.T.

G. C. SIMPSON, C.B., D.Sc., F.R.S. Director.



# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 31st July 1933.

No. 26, 124

STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 31st July														OBSERVATIONS at 7 hr. G.M.T. 31st July														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. of air.	Humid. %	Visibility.	Cloud.			TEMPERATURE.			RAINFALL.		SUN-SHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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## LONDON OBSERVATIONS.

Day 7h-12h, Kew &amp; Croydon.

9h-12h, Kensington.

9h-21h, other stations, except

Greenwich &amp; Hampstead rainfall, 9h-12h.

Height above M.S.L. in feet.

Kew ...

CROYDON ...

GREENWICH (Royal Observatory) ...

CITY (Bunhill Row) ...

WESTMINSTER (St. James' Park) ...

ROBERTS Pk. (Botanic Gardens) ...

CAMDEN SQUARE ...

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADAMSTAL HOUSE, KINGSWAY LONDON, W.O.2

G. C. SIMPSON, C.B., D.Sc., F.R.S., Director.

1. The observations are from Valentia W/T station. 2. Maximum and Minimum Temperatures and Rainfall are for the 24 hours ending 9h. 3. The periods referred to in Cols. 31, 32, 34 &amp; 35 are 07h-12h &amp; 17h-07h in this report.

## EXPLANATION OF FIGURES, LETTERS, etc.

## COLUMNS 2, 16.

The barometric tendency is expressed in tenths of a millibar.

## COLUMNS 4, 18.

The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beau- fort No.	Statute m.p.h.	Beau- fort No.	Statute m.p.h.	Beau- fort No.	Statute m.p.h.
0	1	4	13-18	9	47-54
1	1-3	5	19-24	10	55-63
2	4-7	6	25-31	11	64-76
3	8-12	7	32-38	12	77
		8	39-46		

## COLUMNS 34, 35.

Tr. = rain has fallen, but amount less than 0.1 mm.

## COLUMNS 8, 22.—Code for surface visibility.

0 Dense fog	55 yards.
1 Thick fog	220 "
2 Fog	550 "
3 Moderate fog	1,100 "
4 Mist or haze	1 1/2 miles.
5 Poor visibility	2 1/2 "
6 Moderate	6 1/2 "
7 Good	12 1/2 "
8 Very good	31 "
9 Excellent	beyond 31m.

## COLUMN 30.—Code for State of Sea.