

THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1939



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, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

Till the end of December, 1937, the chart could be divided into the following three sectors as regards hour of observation.

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W.	6h. or 7h. G.M.T. (Azores 8h.).
40° W. to 170° W.	oh. or 1h. G.M.T.

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

From January 1st, 1938, these have been reduced to the two sectors:—

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.).	7h. local time.
30° E. to 170° W.	oh. or 1h. G.M.T.

The improvement in the charts effected by this change is most marked over mid-Atlantic. Previously a difference of six hours had existed between observations from ships on opposite sides of the lines of longitude 40° W.

The gain in one respect has meant a sacrifice in another. The network of land stations in Europe and Africa making observations at 1h. is not so close as that of stations observing at 7h. This is particularly notable in Scandinavia, the Balkans and North Africa.

In the case of Iceland entries of weather, temperature and wind do not now appear on the chart, but pressure values at 1h. G.M.T. are available and are used in drawing the isobars.

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. 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 the issue for "yesterday" is published immediately prior to the issue of the British Section for "to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

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.

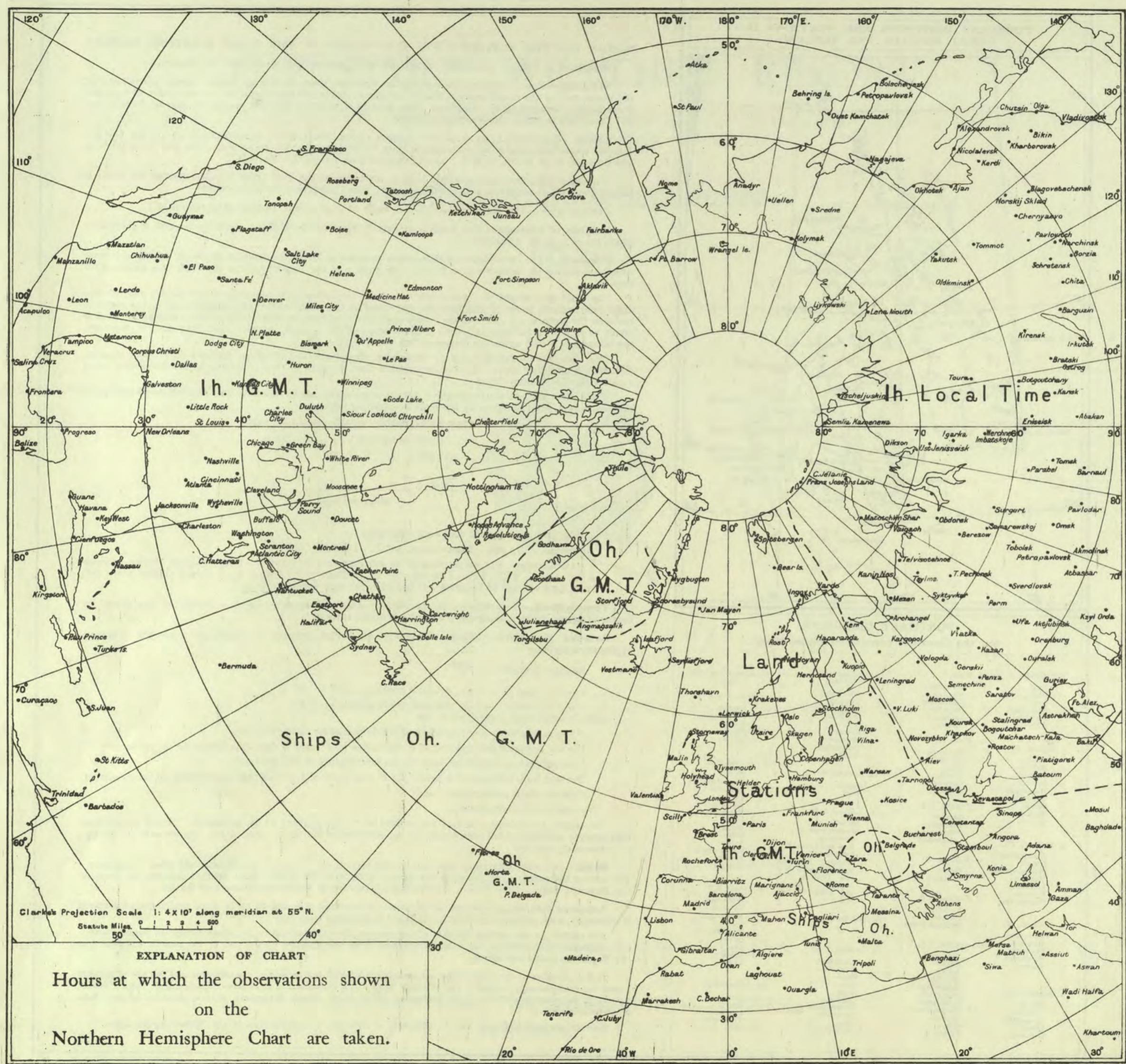
For gales commencing from East or West the *South Cone* will be hoisted if the gale is expected to change to a Southerly direction.

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.



FORECAST DISTRICTS AND STATIONS IN
GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS
and the Counties comprised within them

England, S.E.	6. Wales, S.	12. Scotland, S.W., and Isle of Man.	16. Orkneys and Shetlands.
Kent.	Glamorgan.	Isle of Man.	17. Ireland, N.W.
Sussex.	Brecknock.	Dumfries.	Galway.
Surrey.	Carmarthen.	Kirkcudbright.	Roscommon.
Hampshire.	Pembroke.	Wigtown.	Mayo.
Berkshire.	Cardigan.	Ayr.	Sligo.
Wiltshire.	Radnor.	Lanark.	Leitrim.
2. England, E.	7. Wales, N.	Renfrew.	
Essex.	Montgomery.	Dumbarton.	
Middlesex.	Merioneth.	Stirling.	
Hertford.	Flint.		18. Ireland, N.E.
Bedford.	Denbigh.		Meath.
Huntingdon.	Carmarvon.		West Meath.
Cambridge.	Anglesey.		Longford.
Suffolk.			Cavan.
Norfolk.	8. England, N.W.		Fermanagh.
Lincoln.	Cheshire.	Hebrides.	Monaghan.
	Lancashire.	Western parts of	Louth.
	Westmorland.	Inverness,	Armagh.
	Cumberland.	Ross and Cromarty,	Down.
3. Midlands, E.		Sutherland.	Antrim.
Buckingham.	9. Midlands, N.	(Boundary line runs	Londonderry.
Oxford.	Derby.	from Rannoch Sta-	Tyrone.
Northampton.	Yorkshire, W.	tion through Fort	Donegal.
Warwick.		Augustus, Beauly	
Leicester.		and Lairg to Mel-	
Rutland.	10. England, N.E.	vich.)	Waterford.
Nottingham.	Yorkshire, N. & E.		Wexford.
	Durham.		Kilkenny.
	Northumberland.	Perth.	Carlow.
4. Midlands, W.	11. Scotland, S.E.		Wicklow.
Gloucester.	Roxburgh.	Kincardine.	Offaly.
Hereford.	Selkirk.	Aberdeen.	Leix.
Worcester.	Peebles.	Banff.	Kildare.
Shropshire.	Berwick.	Elgin.	Dublin.
Stafford.	Haddington.	Nairn.	
5. England, S.W.	Edinburgh.	Caiithness.	20. Ireland, S.W.
Dorset.	Linlithgow.	Easterly parts of	Cork.
Somerset.	Edinburgh.	Iverness,	Kerry.
Monmouth.	Claeckmannan.	Ross,	Limerick.
Devon.	Kinross.	Fife.	Tipperary.
Cornwall.	Forfar.	Sutherland.	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 louvred 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.

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where rain gauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

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.

Point of Ayre.—The first observations are made at 0030 G.M.T. instead of at 0100 G.M.T.

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 $\frac{1}{2}$ inch apart the corresponding speed is 24 m.p.h.

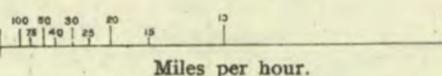
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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 $\times 10^7$ Charts.

or 2 mb " " 1 : 10⁷



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 formula:—

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

$x = f - .444(t - t')$ for wet bulb readings above 32° F.

$x = f - .400(t - t')$ for wet bulb readings below 32° F.

where x is the vapour pressure in mb.

F the saturation vapour pressure at the temperature of the dry bulb;

For air temperatures below 32° F. the value of F used is that appropriate to an ice surface.

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

For wet bulb temperatures below 32° F. the value of f used is that appropriate to an ice surface.

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19; 25, between 20 and 29; ... and so on; 92, between 90 and 94; 97 between 95 and 100.

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. Each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

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.

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, York House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1938.)

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

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY
SUPPLEMENT,

Page 1.

July. 1939. No. 271.



Mainly dull, rainy and cool, many thunderstorms.

A succession of low pressure systems, in the neighbourhood of the British Isles, resulted in cloudy, wet weather with average or rather low temperature over the country throughout the month. There was a fine interlude over the whole country on the 10th, and over most of England and Wales also on the 9th, 11th and 12th. Only on the 4th in East and Southeast England did temperature reach 80°F., rising to 83°F. at Camden Square (London), and 82°F. at Tunbridge Wells.

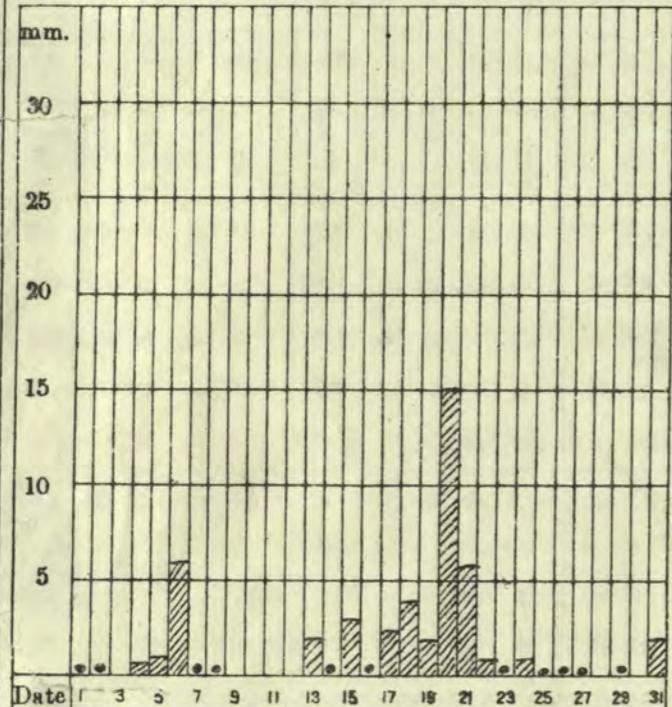
Except locally in Southeast England and East Anglia, especially in coastal areas, rainfall was above the average. At a number of places in Wales, North Ireland and Western England over twice the average amount of rain was measured. At Pembroke there were 8.01 inches, representing over 3 times the average and a record, (since 1877). At Sealand and Aldergrove it was also the wettest July on record. Except for the above mentioned fair interludes, the period 5th till the 24th was particularly wet, and thunderstorms were frequent and widespread, though not severe. Notable daily falls were 3.72 inches at Troon (Ayrshire) on the 15th, 2.83 inches at Teignmouth, and 2.52 inches at Shrewsbury on the 21st, 2.17 inches at Eskdalemuir on the 28th and 2.2 inches at Tintagel on the 5th. At Ross-on-Wye on the 21st rain fell for 6 minutes at the rate of over 3.8 inches an hour.

Everywhere sunshine records were below the average. Ross-on-Wye reports that only once during the last 25 years has such a dull July been experienced. Stornoway had 14 days without any bright sunshine, and this station, together with Aldergrove, had its dullest July on record. Even during the fine spell in England from the 10th to the 12th only moderate amounts of sunshine were registered, though 16 hours were enjoyed at Leuchars, and 15.6 hours at Dunbar and Renfrew on the 10th.

Gales were infrequent and not severe. They were experienced locally on the Western Seaboard of Scotland and Ireland on the 14th and 15th, and locally on the Welsh coast on the 28th. In gusts the wind reached 60 m.p.h. at Pembroke on the 6th.

There was local coast and sea fog in eastern districts on the 15th, 16th, 19th and 26th, and in Southwestern districts on the 27th to 29th. On a number of occasions after the 15th early morning mist or fog occurred locally inland.

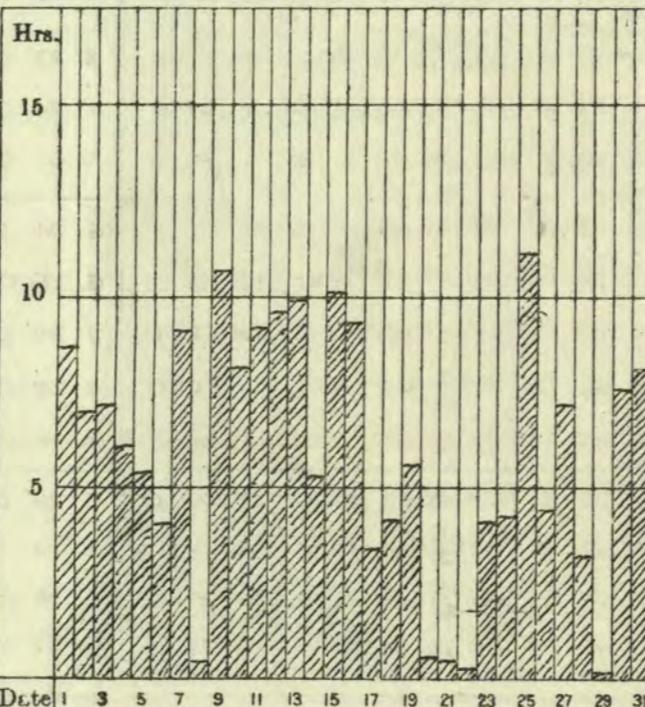
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

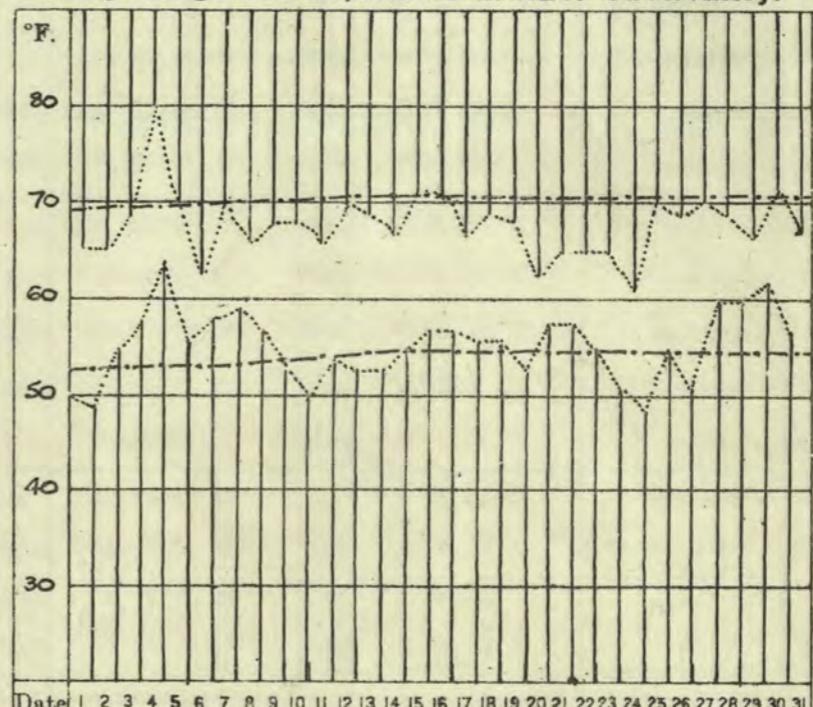
RAINFALL Total for Month. 45 mm.

Daily Sunshine at KEW Observatory



SUNSHINE Total for Month. 186 hrs.

Daily Range of Temperature at KEW Observatory.



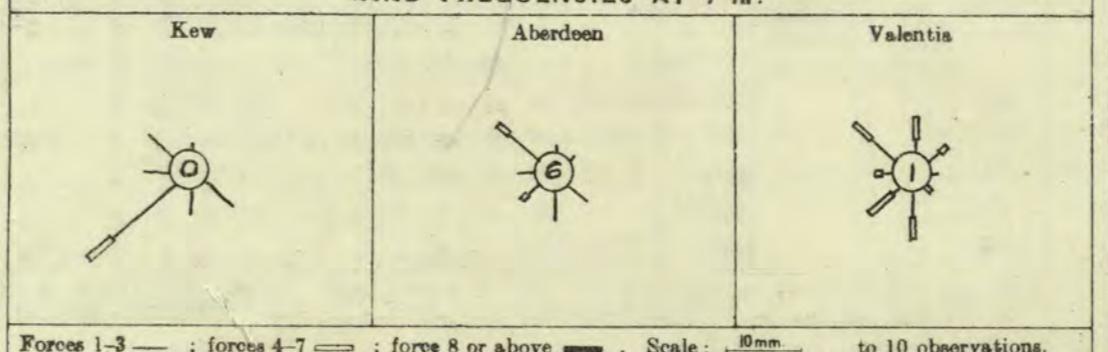
TEMPERATURE. The peaked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	1011.9	-3.9	61.7	-2.8
Aberdeen	1006.9	-6.1	56.7	-1.2
Valentia	1010.9	-5.2	57.7	-1.5

* Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. duly corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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

	miles.
Kew	7,012
Aberdeen	4,230
Lerwick	10,703
Valentia	8,958

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	Temperature.										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.	Average Maximum.	Minimum.	Average Minimum.	Highest Max. Date.	Lowest Max. Date.	Highest Min. Date.	Lowest Min. Date.	Number of Ground Frosts.	7 h.	13 h.	18 h.	7 h.	13 h.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.			
1	London (Kew Obsy). Croydon ... Calshot** (Southampton) Lympne ...	0 17 13 1 0 17 13 1 0 28 3 0 0 24 7 0	72.8 71.9 69.8 68.8	0 4 23 4 0 7 21 3 0 7 20 4 0 9 20 2	33°- 41° 42°- 50° 51°- 59° 60°- 68°	56.2 54.6 56.0 53.8	80 4 61 24 79 4 60 15 70 13 61 24 75 4 60 7 24.	5 56 2 5 45 2 5 45 2 5 44 2	25. 25. 25. 24. 24.	0	2 26 0 5 19 4 11 14 3 13 9 0	0 30 1 0 29 1 6 24 1 4 25 1	1 28 1 1 23 7 7 21 3 2 22 3	0 0 0 0 17 0 0 0 0 23 0 0 0 0 20 0 1 0 0 18	0 0 0 0 30 0 0 0 0 30 0 0 0 0 29 0 0 0 1 28								
2	Shoeburyness ... Gorleston ... Cranwell ...	0 8 23 0 0 22 9 0 0 18 13 0	71.8 67.9 71.0	0 5 21 5 0 4 21 6 0 12 16 3	54.4 55.4 52.6	76 29 65 24 77 30 61 10 75 4 62 24	62 28 45 2 62 29 46 11 63 30 43 2	5 28 2 5 30 11 5 30 12	25. 24. 25.	0	3 16 4 0 24 0 6 14 0	1 29 0 1 30 0 3 27 0	0 27 2 0 27 0 0 30 0	0 0 0 1 26 0 0 0 0 20 0 1 1 2 11	0 0 0 0 28 0 0 0 0 20 0 0 0 0 22								
3	Birmingham ... (Edgbaston)	0 26 5 0	69.3	0 9 21 1	54.1	74 4 60 2 11. 24.	62 30 47 1, 2, 24. 25.	5 24. 5 25.	25.	0	9 19 0	1 30 0	5 26 0	0 1 1 2 13	0 0 0 0 26								
4	Ross-on-Wye ...	0 28 3 0	70.6	1 8 19 3	53.7	71 4 60 24	62 30 41 25			0	3 26 0	1 30 0	0 31 0	0 0 0 0 24	0 0 0 0 28								
5	The Lizard ...	2 29 0 0	*	0 3 28 0	*	65 10. 58 6 11. 12.	58 23. 49 12	*	*	*	4 27 0	2 29 0	2 29 0	0 0 4 0 26	0 0 1 0 25								
7	Holyhead ...	5 25 1 0	62.9	0 5 26 0	55.1	69 4 57 2	57 25, 29, 48 26	5 20. 25. 29.	26.	0	8 21 0	8 23 0	6 25 0	0 0 1 0 24	0 0 0 0 28								
8	Chester ... (Sealand)	3 21 7 0	68.8	0 10 19 2	53.2	74 1 58 1	61 29 44 25	5 20. 21. 24.	25.	0	1 27 0	1 30 0	1 30 0	0 0 0 2 16	0 0 0 1 20								
10	Tynemouth ...	7 18 6 0	64.7	0 5 25 1	53.9	70 18 55 1	62 29 46 2	5 20. 21. 22.	23.	0	1 30 0	0 31 0	1 30 0	0 0 1 1 6	0 0 1 0 8								
11	Leuchars ...	5 25 1 0	65.8	1 12 18 0	50.9	69 25 58 14	57 13 40 24	5 12. 13. 14.	24.	0	10 17 1	6 24 1	6 24 0	0 0 1 1 20	0 0 1 0 26								
12	Renfrew ...	2 27 2 0	66.0	2 9 20 0	51.5	72 20 58 12	59 5 36 24	5 11. 12. 13.	24.	0	10 19 1	6 25 0	4 27 0	0 0 0 1 12	0 0 0 0 20								
	Eskdalemuir ...	7 21 3 0	64.0	4 11 16 0	48.8	70 4 55 12	57 5 35 21	5 11. 12. 13.	21.	2	18 12 1	7 24 0	7 24 0	0 1 0 2 19	0 0 0 0 26								
13B	Stornoway	20 11 0 0	60.9	0 11 20 0	50.5	63 5. 52 14	56 5. 43 2	5 11. 12. 13.	21.	2	1 30 0	2 29 0	2 29 0	0 0 0 0 26	0 0 0 0 25								
15	Aberdeen ...	8 22 1 0	64.1	1 10 20 0	51.7	71 29 55 12	57 29 41 24	5 11. 12. 13.	24.	0	12 16 0	13 17 0	6 24 1	0 0 2 3 10	0 0 2 0 13								
18	Aldergrove ...	4 26 1 0	*	0 9 22 0	*	70 27 58 9	59 28 43 25	5 11. 12. 13.	25.	0	11 20 0	3 28 0	2 29 0	0 0 0 1 18	0 0 0 0 28								
19	Dublin ... (Phoenix Park)	0 27 4 0	67.1	0 8 23 0	50.6	76 28 60 2	59 13 42 1	5 11. 12. 13.	25.	0	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *					
	Birr Castle ...	1 26 4 0	67.0	0 8 21 2	52.5	71 13 59 2	60 13 42 1	5 11. 12. 13.	25.	0	3 27 0	3 28 0	6 25 0	0 0 0 0 31	0 0 0 0 31								
20	Valentia ... (Cahirciveen)	5 26 0 0	63.7	0 2 28 1	54.7	67 4 57 16	60 28 48 11	5 11. 12. 13.	25.	0	6 25 0	9 22 0	9 22 0	0 0 0 0 28	0 0 0 0 28	0 0 0 0 28							
Upper Air Temperature.										Upper Winds.													
										No. of records of Velocity (km./hr.) within fixed limits.													
Pressure.	Normal Height.	MILDENHALL.		ALDERGROVE.		STATION		LYMPNE.		PLYMOUTH (Mt. Batten).		HOLYHEAD.		RENFREW.		STATION.							
mb.	Normal Height. Feet.	Normal Temp. °F.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	# No. of Obs. to 25.	6 to 50. kilometres per hour.	26 to 75. kilometres per hour.	51 to 100. kilometres per hour.	# No. of Obs. to 100.	6 to 50. kilometres per hour.	26 to 75. kilometres per hour.	51 to 100. kilometres per hour.	# No. of Obs. to 100.					
950	1,830	57.5	55.0	47	52.5	50			500 above ground.	128	31 76 18 2 0	3 0 0	57 26 25 6 0	0	80 33 41 5 0	0	500 above ground.						
850	4,840	47.3	44.2	47	43.3	50			1000 above M.S.L.	106	25 55 24 2 0	4 1 0	47 18 24 5 0	0	61 27 27 7 0	0	1000 above M.S.L.						
750	3,180	38.5	34.4	47	34.7	50			2000 "	54	14 24 15 0 0	17 7 4 0 0	13 7 3 3 0 0	0	19 9 9 1 0	0	2000 "						
650	11,920	27.5	24.3	47	23.6	50			3000 "	27	4 17 5 1 0	2 2 0 0 0	4 2 2 0 0	3 3 0 0 0	10 3 6 1 0	0	3000 "						
550	16,170	13.1	9.6	47	9.4	50			4000 "	9	2 5 2 0 0	0 0 0 0 0	3 3 0 0 0	0 0 0 0 0	8 1 6 1 0	0	4000 "						

* The readings and averages 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 readings and averages for Phoenix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).

* Winds of 0-5 km./hr. are included in the number of observations.

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

N. K. JOHNSON D.Sc., A.R.C.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY JULY, 1939.

Page 3.

DISTRICT.	STATIONS.	SUNSHINE.												RAINFALL.																							
		Number of Days with Duration.				Maximum Duration.		Total for past 12 months.				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.				Highest and Lowest Totals on record for Month.			
		Nil.	0·1-3h.	3·1-6h.	6·1-9h.	Above 9h.	Hours.	Hours.	Hours.	Hours.	Hrs.	Hrs.	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.	First year of record.	Highest Year.	Lowest Year.	Days with Thunder.	Days with Snow or Sleet.					
1	London ... (Kew Obsy).	0 5 10 8 8	11.1 25	1523 +54	186 -8	1880	334 1911	104 1888	12 9 7 3 0 0	14 20	640 +34	45 -10	1856 124 1880	4 1921	4 0																						
	Croydon ...	0 8 7 11 5	11.6 25	1500 -25	181 -39	1922	297 1928	132 1927	13 5 9 4 0 0	13 20	801 +122	58 -2	1921 105 1936	3 1921	5 0																						
	Calshot** ... (Southampton)	2 9 6 7 7	10.7 31	1661 -85	161 -70	1881	350 1911	116 1888	10 8 8 4 1 0	20 18	687 +41	83 +42	1871 157 1888	3 1911	2 0																						
	Lymnpe ...	1 3 8 11 8	12.8 29	1774 +9	212 -28	1921	307 1935	153 {1927 1937	13 7 10 1 0 0	9 25	742 +18	44 -10	1920 126 1927	6 1935	5 0																						
2	Shoebury Ness ...	0 6 8 9 8	12.2 9	1692 -24	198 -29	1919	311 {1928 1935	128 1919	15 11 3 2 0 0	7 21	546 +43	26 -21	1920 81 1920	7 1921	2 0																						
	Gorleston ...	0 5 10 7 9	13.7 16	1636 -7	204 -7	1908	309 1935	103 1910	21 5 4 0 1 0	16 20	583 -39	31 -28	1871 150 1875	7 1897	4 0																						
	Cranwell ...	0 9 9 9 4	11.1 25	1450 -88	159 -47	1921	266 1935	113 1937	15 7 4 5 0 0	15 15	659 +69	62 +3	1917 251 1932	10 1921	7 0																						
3	Birmingham ... (Edgbaston)	2 10 10 6 3	12.6 1	1265 -39	131 -40	1887	271 1911	67 1887	7 4 15 5 0 0	13 8	844 +170	98 +39	1893 167 1936	7 1911	8 0																						
4	Ross-on-Wye ...	0 14 7 8 2	9.7 1	1392 -93	124 -68	1915	271 1934	122 1927	11 4 11 4 1 0	21 21	782 +65	100 +42	1859 197 1872	6 {1911 1935	6 0																						
5	Falmouth ... (Observatory)	5 6 10 4 6	14.6 10	1655 -55	152 -65	1881	346 1911	135 1890	8 7 10 2 4 0	24 15	1202 +95	139 +67	1871 178 1924	8 1913	2 0																						
7	Holyhead ...	3 6 12 5 5	13.5 26	1610 +60	158 -33	1914	255 1934	123 1920	8 4 11 5 2 1	26 18	1052 +165	119 +53	1871 197 1920	8 1935	3 0																						
8	Chester ... (Sealand)	1 10 12 5 3	14.6 1	1421 +45	142 -31	1928	244 1934	112 1931	8 3 12 6 1 1	31 29	868 +207	132 +72	1922 126 1924	18 1934	7 0																						
10	Tynemouth ...	3 9 8 4 7	13.9 24	1413 *	162 *	1935 *	* * * *	11 7 10 3 0 0	13 9	664 +43	71 +10	1915 140 1926	13 1925	3 0																							
11	Leuchars ...	5 8 10 3 5	16.0 10	1442 -28	139 -33	1922	244 1935	91 1931	13 5 7 4 2 0	17 5	753 +100	80 +14	1922 135 1936	17 1928	2 0																						
12	Renfrew ...	6 12 8 2 3	15.6 10	1258 +65	102 -47	1921	231 1934	86 1931	11 4 7 7 2 0	19 13	1203 +264	114 +43	1921 136 1936	35 1935	2 0																						
	Eskdalemuir ...	3 16 3 6 3	11.9 10	1175 -26	119 -28	1910	217 1935	75 1931	10 3 7 7 3 1	55 28	1829 +400	183 +79	1910 225 1938	25 1913	7 0																						
13B	Stornoway ...	14 10 5 1 1	10.7 19	1238 +23	57 -88	1881	227 1917	79 1916	6 7 9 8 0 1	40 12	1337 +71	144 +67	1870 175 1871	22 1913	0 0																						
15	Aberdeen ...	5 10 8 4 4	13.4 10	1373 +44	118 -34	1881	239 1911	83 1931	10 7 7 4 2 1	27 13	780 +32	124 +53	1871 150 1918	14 1878	2 0																						
18	Aldergrove ...	3 15 9 3 1	14.0 24	1335 *	87 *	1927	217 1934	97 1931	9 7 4 9 2 0	22 13	994 +156	154 +83	1926 148 1936	27 1935	2 0																						
19	Dublin ... (Phoenix Park)	2 17 4 6 2	10.4 24	1335 -102	105 -65	1881	235 1898	88 1938	7 9 11 4 0 0	12 18	765 +63	65 -3	1865 165 1936	16 {1868 1935	2 0																						
	Birr Castle ...	1 15 9 4 2	10.7 24	1245 -61	103 -46	1881	224 1911	93 1936	8 6 13 3 1 0	24 13	1021 +194	91 +16	1862 186 1880	8 1863	3 0																						
20	Valentia ... (Cahirciveen)	3 14 5 8 1	13.9 9	1372 +4	101 -56	1880	235 1918	71 1932	5 8 9 5 3 1	27 27	1566 +152	156 +60	1886 223 1937	22 1898	0 0																						

MINIMUM SURFACE HUMIDITY.

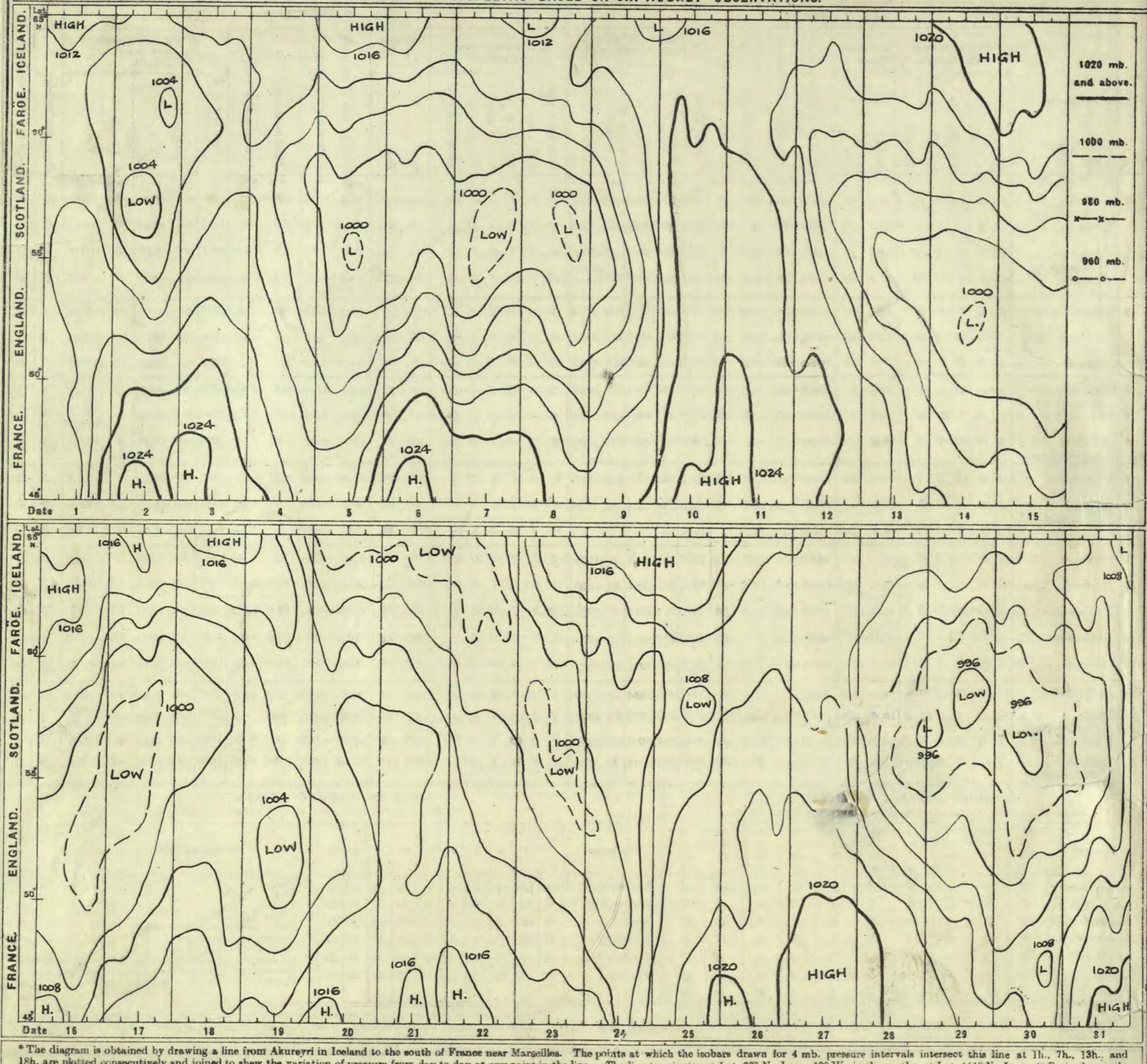
NO. OF DAYS (MDT. TO MDT.) WITH MINIMA BETWEEN FIXED LIMITS.

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 49 %	40 to 39 %	30 to 2

PRESSURE: ICELAND TO GULF OF LIONS

JULY, 1939.

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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

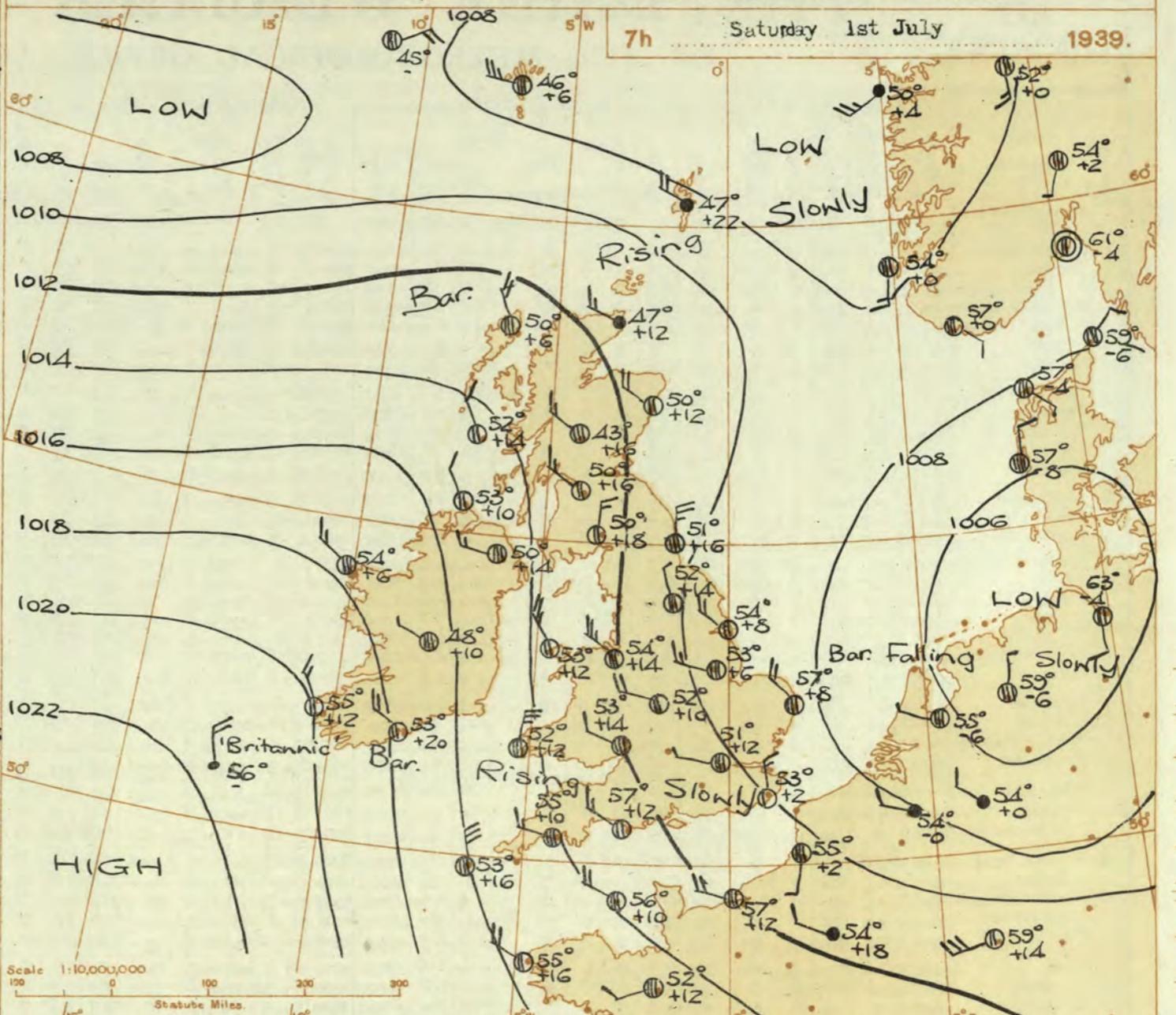
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 30th June												OBSERVATIONS at 18h. G.M.T. 30th June												PAST 24 HOURS.								
		Barom. mb. (For heights see p. 4.)	Change in 3 hours.	Wind. Dir. 0-12	Weather.	Temp. (6)	%Humid. (7)	Cloud.						Barom. mb. (15)	Change in 3 hours.	Wind. Dir. 0-12	Weather.	Temp. (20)	%Humid. (21)	Cloud.						State of Ground. 0-9	Sea. 0-9	WEATHER.						
								Form	Amount.	Height of Base (feet)	Low	Med.	High	Low	Med.	High	Total	0-10	0-10	Low	Med.	High	Total	0-10	0-10	Low	Med.	High	Total	0-10	0-10	0-10	0-10	0-10	0-10
1	London (Kew) ...	1011.1	-14	S W 8	C/P	G3	G5	S	3	3	4-6	7-8	2500	1009.7	-2	WSW	3	C/P	58	76	S	9	7	-	4-6	D	4000	0	*	cpr,kyc	cpr,bcbw	wbc		
	Croydon ...	1011.9	-16	S W 3	C/P	G1	G5	S	9	4	-	7-8	8	4000	1010.8	-2	WSW	2	C/P	57	85	T	9	6	3	4-6	D	4000	1	*	bcp	cpr,PR	bcbw	
	S. Farnborough	1011.2	-10	S W 4	C/P	G0	G5	S	8	3	-	4-6	3	4000	1010.0	-2	S W S	3	C/P	55	85	S	3	3	7-8	9	2500	1	*	pro	bcp,ccp,RP	bcbs,w		
	Boscombe Down	1010.7	-10	S W 3	C	G3	G5	S	9	2	C	-	7-8	7-8	4000	1010.2	-2	SW	2	C/P	55	92	S	8	4	-	4-6	7-8	2500	1	*	cpr,c	sptr,sc	bcbw
	Calshot (Soton.)	1012.2	-6	S W 5	bc	G5	G5	S	8	0	-	4-6	4-6	2500	1010.7	-2	NW	3	tr	59	73	S	9	8	-	4-6	7-8	1500	1	2	cpr,c	bcc	tr,bcbw	
	Lympne	1013.8	-4	S W 3	P	G3	G5	S	5	7	-	4-6	3+	1500	1011.5	-12	SSW	3	C	57	85	S	8	6	G	-	4-6	7-8	4000	1	2	cpr,c	cpr,c	bcg,wbw
	Manston	1012.4	-6	S S W 4	C	G2	G5	S	8	7	-	7-8	9+	2500	1010.4	-18	S W 3	C/P	57	85	S	8	7	-	4-6	9	4000	1	*	bcc,c	cpr	bcbs,w		
2	Shoeburyness	1012.3	-6	S S W 4	C	G3	G5	S	7	6	3	4-6	7-8	1500	1009.8	-14	SSW	3	bc	G2	76	S	2	9	-	2-3	4-6	4000	0	*	c	ep,be	cpr,b	
	Felixstowe	1012.1	-8	S 5	C	G5	G5	S	8	3	1	7-8	7-8	2500	1009.6	-16	SW	5	C	G0	75	S	8	7	-	9	3+	2500	0	3	bm,c	cpr,c	bbcmo	
	Gorleston	1010.6	-12	SSE 5	C/P	G2	G5	S	7	8	-	9	9	2500	1009.4	-6	S'W	3	C	G2	75	G	8	2	-	4-6	10	2500	0	2	bc	cpr,p	cpr,c	
	Mildenhall	1009.7	-16	S W 4	C	G0	G5	S	7	8	3	-	7-8	9	2500	1008.8	-6	NNNE	1	tr	50	92	T	9	2	-	7-8	9	1500	1	*	b,c	ccr,ctr	bcbcmo
	Cranwell	1009.5	-6	S W 4	C/P	G2	G5	S	8	0	-	4-6	7-8	2500	1008.4	-6	WNW	3	C	G2	55	S	2	G	2	2-3	7-8	4000	1	*	bcc,pr,be	bcc,be,be	bfb,beno	
3	Birmingham	1010.8	-14	WSW 3	tr	G1	G5	S	9	0	-	9+	9+	1500	1008.7	-8	WSW	3	pr	G1	65	S	3	G	-	4-6	7-8	2500	1	*	orre	tr,be	pr,be	
4	Upper Heyford	1010.4	-12	S W 3	C	G2	G5	S	8	2	G	-	7-8	9	2500	1009.6	-6	N	1	pr	59	75	S	8	-	3	9+	1500	0	*	cpr,	cpr,t	cTLRc	
5	Ross-on-Wye	1009.6	-12	S W 3	P	G2	G5	S	8	-	-	4-6	4-6	2500	1009.6	0	W'S	2	pr	58	75	S	8	G	3	7-8	9	2500	1	*	cpr,p	cpr,c	bwb	
6	Hartland Point	1011.0	0	W 4	bc	59	75	S	8	0	-	4-6	4-6	1500	1010.7	0	WNW	3	bc	57	75	S	2	5	3	2-3	4-6	2500	0	3	bc	bcc	cir,	
	Bristol	1010.9	-6	WSW 3	C/P	G1	G5	S	9	7	1	4-6	7-8	1500	1010.2	-2	W'N	5	bc	G0	65	S	3	G	3	2-3	4-6	2500	0	*	bcc,p	bcc	bbcg	
	Portland Bill	1012.0	-12	SW 3	bc	59	85	S	5	-	-	4-6	4-6	4000	1010.3	-10	SW	4	C	57	92	S	5	4	-	4-6	7-8	4000	1	4	bc	bcc	c	
	Plymouth	1011.9	-6	S W 3	C	G2	G5	S	8	2	4	3	2-3	7-8	4000	1011.2	0	WNW	4	bc	G1	65	S	7	-	1	4-6	4-6	4000	1	2	bcc	bcc	cpr,
	The Lizard	1012.4	0	W'S 3	bc	G4	G5	S	8	0	-	2-3	4-6	2500	1012.1	0	W'N	3	C/P	58	75	S	8	G	-	4-6	7-8	1500	1	2	bc	bcc	cpr	
	Scilly (St. Mary's)	1012.3	0	W'N 3	bc	G4	G5	S	8	0	-	2-3	4-6	2500	1012.6	+2	NW'N	4	bc	59	85	S	8	1	3	-	2-3	4-6	1500	0	2	bc	bcc	cir,
	Guernsey	1013.0	-8	S W 3	C	G0	92	S	2	3	-	4-6	7-8	1500	1011.9	-8	W'S	3	bc	59	85	S	1	3	-	2-3	4-6	1500	0	2	bc	bcc	cir,	
6	Pembroke	1010.6	0	W'N 3	bc	58	85	S	2	0	-	2-3	4-6	2500	1010.1	0	W	4	bc	57	85	S	5	7	-	1	4-6	2500	1	2	bcc	bcc	cq	
7	Holyhead	1008.9	+4	W 3	bc	57	75	S	2	-	-	4-6	4-6	1500	1008.9	0	SW'W	3	C	57	75	S	9	3	3	4-6	7-8	2500	0	1	bc	bcc	cvc	
8	Chester (Sealand)	1008.6	-2	WNW 3</																														

REPORTS from HEALTH RESORTS for 30th June 1939.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (MM.)		SUNSHINE. (Hrs.)	
		Fore-noon.	After-noon.	Min. 9h. 29th	Max. 9h. 29th	Night 9h. 29th	Day 9h. 29th	Sunrise to 17h. 30th	Sunrise to Sunset 30th
1	Tunbridge W.	bccp	cob	51	65	Trace	0.3	5.8	9.1
	Bournemouth	bpbcb	bcbcb	55	67	-	Trace	9.0	9.5
	Ventnor	pobc	bc	54	62	Trace	-	8.2	9.4
	Southsea	bcb	b	56	67	0.5	-	7.6	11.2
	Bognor Regis	be	bc	55	62	Trace	-	6.8	9.2
	Littlehampton	bcc	cpbcb	54	62	Trace	0.3	4.7	9.7
	Worthing	c	cpbcb	55	63	-	Trace	4.4	9.6
	Brighton	cbcb	cbc	56	62	-	Trace	6.1	7.8
	Eastbourne†	bccg	bcb	55	63	0.5	1	4.0	8.1
	Hastings†	cbcc	bcabc	55	64	0.3	0.5	3.5	8.2
	Folkestone	ccrc	ccrc	53	62	Trace	-	2.8	9.8
	Dover	bc	bccor	55	63	0.3	-	2.8	11.4
	Deal	dcocbc	codr	54	67	-	Trace	2.8	12.8
	Ramsgate	bcc	or	53	65	Trace	-	3.1	11.7
	Margate	bc	bcer	52	67	-	2	4.0	13.1
2	Southend	co	pcbbc	53	57	-	-	4.5	9.9
	Claacton-on-Sea	bc	bcc	53	65	-	-	4.9	8.2
	Dovercourt	bccv	bcooc	51	66	-	-	5.3	8.1
	Lowestoft	bcc	c	52	64	-	-	5.5	11.9
	Skegness	pbc	orbrb	48	66	-	3	6.1	6.4
	Mablethorpe	pcor	bccr	47	68	-	Trace	6.5	6.1
	Cleethorpes	crbcb	53	68	-	Trace	7.0	6.8	
3	Leamington S.	cbe	cpbcb	50	64	-	5	4.6	6.1
4	Cheltenham†	cpbcb	bccrh	50	68	-	1	7.5	8.4
5	Bath	bcpp	cpbcb	51	66	Trace	1	5.9	7.0
	Weymouth	pcbbbbbcp	56	64	0.4	Trace	6.1	10.6	
	Jersey	pc	cbc	57	63	Trace	Trace	3.0	3.5
	Torquay	bccv	bccyp	53	66	1	-	7.5	11.5
	Falmouth	ccrc	b	52	64	4	0.3	7.9	9.5
	Penzance	bc	bbcc	52	66	2	-	10.6	7.0
	St. Ives	bc	bc	51	62	-	-	10.5	7.0
	Bude	bc	bc	51	62	-	-	10.5	10.2
	Iffracombe	cpbcb	bccbc	55	61	0.3	-	10.5	7.5
6	Aberystwyth	prber	bc	53	62	2	-	9.7	5.4
7	Llandudno	cir	ircbc	54	61	0.5	5	3.6	10.1
	Colwyn Bay	cpbcb	bccb	51	62	1	-	4.5	6.6
	Rhyl	cpbcb	53	60	2	-	4.5	6.9	
8	Wallasey	cir	cbcb	55	61	0.3	1	6.6	5.0
	Southport	factl	bcb	52	62	3	-	6.8	10.3
	Blackpool	cpTR	bbcb	54	60	1	4	5.4	7.8
	Morescombe	tlr	pbcb	52	60	13	3	5.8	8.6
9	Hilkey	bc	bctpc	52	65	-	2	5.1	10.2
	Harrowgate	bc	pcbbc	48	62	-	1	7.9	9.2
10	Berwick-on-T.	cir	ccbc	51	61	Trace	0.2	4.3	6.4
11	Dunbar	bc	cpbc	50	62	-	5	1.6	10.1
12	Troon	bbbbc	bcc	53	59	Trace	3	8.2	4.7
	Douglas	bcpr	bc	49	60	4	3	5.1	7.0

† Max. Temp. for period 21h yesterday to 17h to-day; Min. Temp. 21h 30th.

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st July, 1939.

1 S.E. England	Wind northwest to west, moderate; bright periods but thunder in many places; cool.
2 E. England	Wind northwest, moderate; bright periods but thundery showers inland, some rain near the coast; cool.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	Wind northwest to west, moderate to fresh; bright periods but thunderstorms in many places, and occasional rain locally; cool.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

A ridge of high pressure lies to the west of the British Isles and a secondary depression to the south of Iceland will move southeastwards. Thunder is probable today in many places.

FURTHER OUTLOOK.

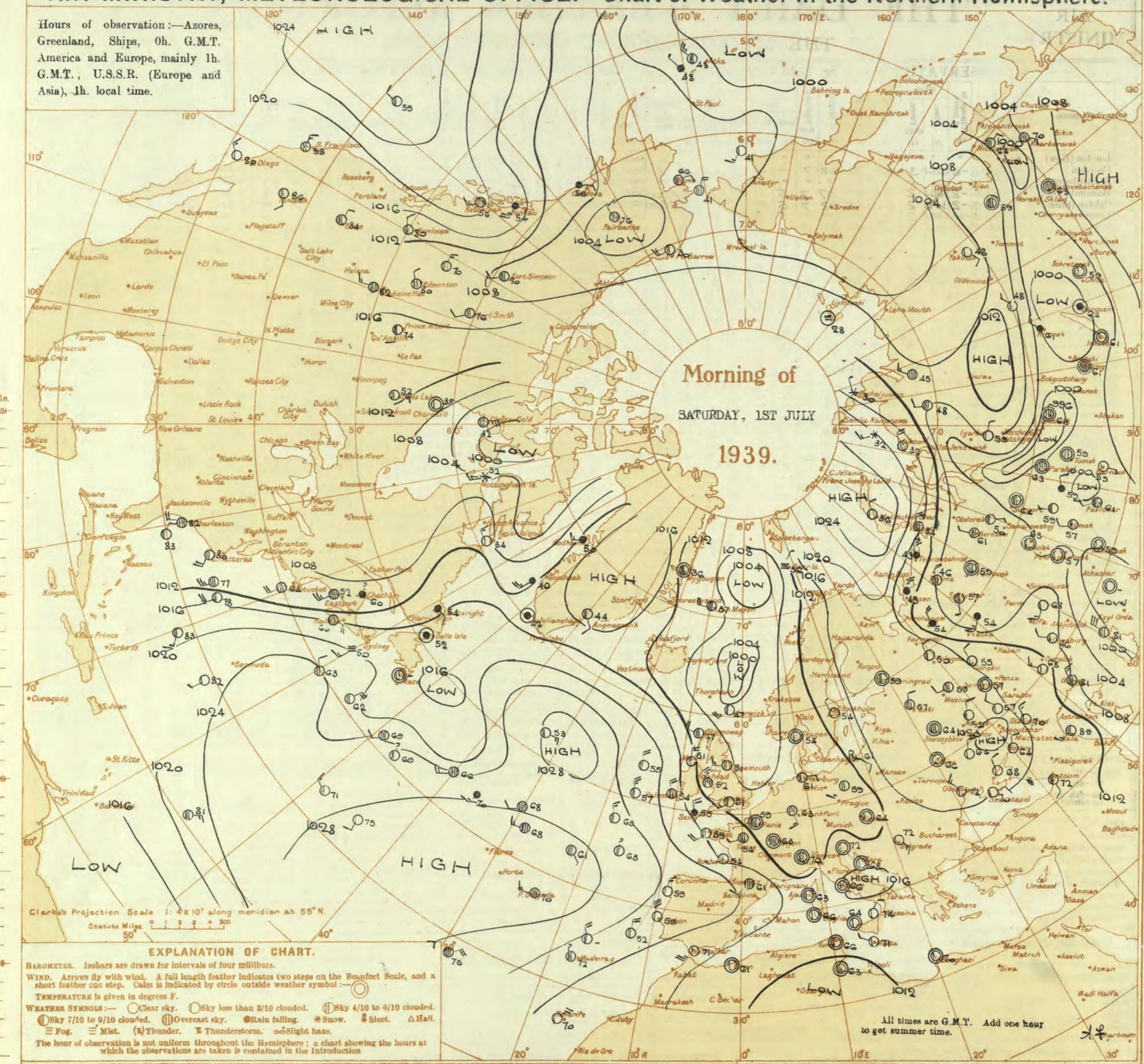
Cool and unsettled.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T.
America and Europe, mainly 1h. G.M.T., U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 1st July, 1939
No. 28345.

STATION.	Height above M.S.L. In feet.	OBSERVATIONS at 1 hr. G.M.T. 1st July										OBSERVATIONS at 7 hr. G.M.T. 1st July										PAST 24 HOURS.								TEMPERATURE.				RAINFALL.				SUN-SHINE & CLOUD.											
		Barom. at M.S.L.		Wind.		Weather.		Temp.		Humid.		Visibility.		Cloud.		Barom. at M.S.L.		Wind.		Weather.		Temp.		Humid.		Visibility.		Cloud.		Form.		Amount.		Height of Base (feet)		State of Ground.		Sea.		TEMPERATURE.				RAINFALL.				SUN-SHINE & CLOUD.	
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	mb. (16)	Change in 3 hours. (17)	Dir. (18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	Max. Day 7h-18h °F. (37)	Min. Night 18h-7h °F. (38)	Min. on Grass mm. (39)	Day 7h-18h mm. (40)	Night 18h-7h mm. (41)	30th Hrs. (42)						
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.8	+12	NNW	2	Zo	55	75	6	5	-	4	4.6	7.8	2500	0	*	G7	50	40	1	0.1	7.8												
Croydon ...	217	1009.8	-6	WSW	3	bc	51	92	7	-	4	3	0	2-3	-	1010.9	+12	WNW	1	Zo	51	92	6	3	4	-4.6	3.7	2500	1	*	G4	47	39	3	T	3.6													
S.Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.3	+14	NNW	2	Zo	52	92	6	-	3	2	0	7.8	-	1	*	G7	44	35	3	T	7.0												
Boscombe Down ...	417	1010.8	-2	WNW	2	bc	47	97	7	5	-	6	Tr	4.6	4000	1012.1	+14	NNW	2	bc	52	85	7	1	3	2	Tr	2.3	2500	1	*	G5	46	39	1	T	5.8												
Calshot (St.Mtn.) ...	8	1010.5	-2	WSW	2	bc	49	92	7	5	3	1	Tr	4.6	2500	1011.5	+14	NNW	3	c	54	85	7	1	5	6	Tr	7.8	1500	0	*	G3	49	46	0.1	T	8.7												
Lympne ...	346	1010.3	-10	WNW	2	Zo	51	97	6	-	9	2	0	7.8	-	1010.1	+2	NW	3	b	53	92	6	-	9	0	1	-	1	*	G3	47	45	1	T	5.1													
Mauson ...	154	1009.2	-10	SW	3	c	51	97	6	-	3	6	0	7.8	-	1009.2	+6	NNW	4	bc	55	85	6	8	3	1	2.3	4000	1	*	G7	46	42	2	-	4.9													
2 Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.7	+8	NW	3	c	56	75	6	5	7	-	4.6	7.8	4000	0	*	G6	49	38	T	0.1	5.9											
Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.3	-4	WSW	2	c	56	85	7	5	3	1	2.3	4.6	4000	0	*	G2	60	48	T	0.1	6.1												
Gorleston ...	5	1008.3	-4	WSW	2	c	56	85	7	5	3	-	4.6	7.8	2500	1008.4	+8	NNW	4	c	57	75	6	3	-	0	7.8	-	0	*	G5	50	50	T	1	5.6													
Mildenhall ...	19	1008.4	-6	WSW	2	Zo	50	97	6	4	6	-	1	2.3	4000	1008.8	+10	NNW	3	Zo	53	85	6	-	2	1	7.8	4000	1	*	G6	42	2	0.3	6.0														
Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.5	+6	NNW	3	Zo	53	85	6	-	4	0	7.8	-	0	*	G6	45	43	T	8.4													
3 Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.0	+10	NNW	4	bc	52	85	7	1	4	1	4.6	6.4	1500	1	*	G4	47	42	4	0.2	4.7												
Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.8	+10	NNW	3	Zo	52	85	6	5	5	4	8	1	7.8	1500	1	*	G5	46	41	T	2	6.5											
223 Toss-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.6	+14	NW	2	c	53	85	8	8	6	1	4.6	7.8	2500	1	*	G5	44	39	2	0.2	6.5												
5 Hartland Point ...	299	1011.1	0	NNN	3	c	55	85	9	8	4	-	4.6	7.8	1500	1013.2	+16	N	5	c/r	53	85	8	6	2	-	7.8	9.1	1500	0	3	G6	51	51	-	T	13.3												
Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.5	+14	N	2	c	55	75	8	8	8	2-3	7.8	2500	0	*	G5	48	39	1	-	10.4													
Portland Bill ...	32	1010.9	+6	NW	3	c	54	92	8	5	7	-	7.8	10	4000	1011.9	+12	NW	3	bc	57	85	8	5	-	4.6	4.6	4000	1	3	G5	52	*	-	T	-													
Plymouth ...	82	1012.0	0	NW	2	bc/pr	53	92	8	5	4	-	2.3	4.6	5700	1013.2	+10	NNW	3	c	55	85	8	9	3	-	7.8	9	1500	1	1	G3	49	-	T	11.6													
The Lizard ...	240	1013.4	0	NNW	4	c	55	92	8	8	7	-	4.6	7.8	2500	1015.1	+20	NNW	4	c	55	85	8	9	6	-	7.8	7.8	2500	1	1	G5	50	*	T	0.5	11.7												
Scilly (St.Mary's) ...	163	1014.3	+8	N'W	4	r/r	55	97	7	9	7	-	7.8	10	1500	1016.0	+16	N'W	6	c	53	92	8	9	6	3	4.6	7.8	1500	1	3	G4	50	*	T	3	13.1												
Guersey ...	175	1																																															

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

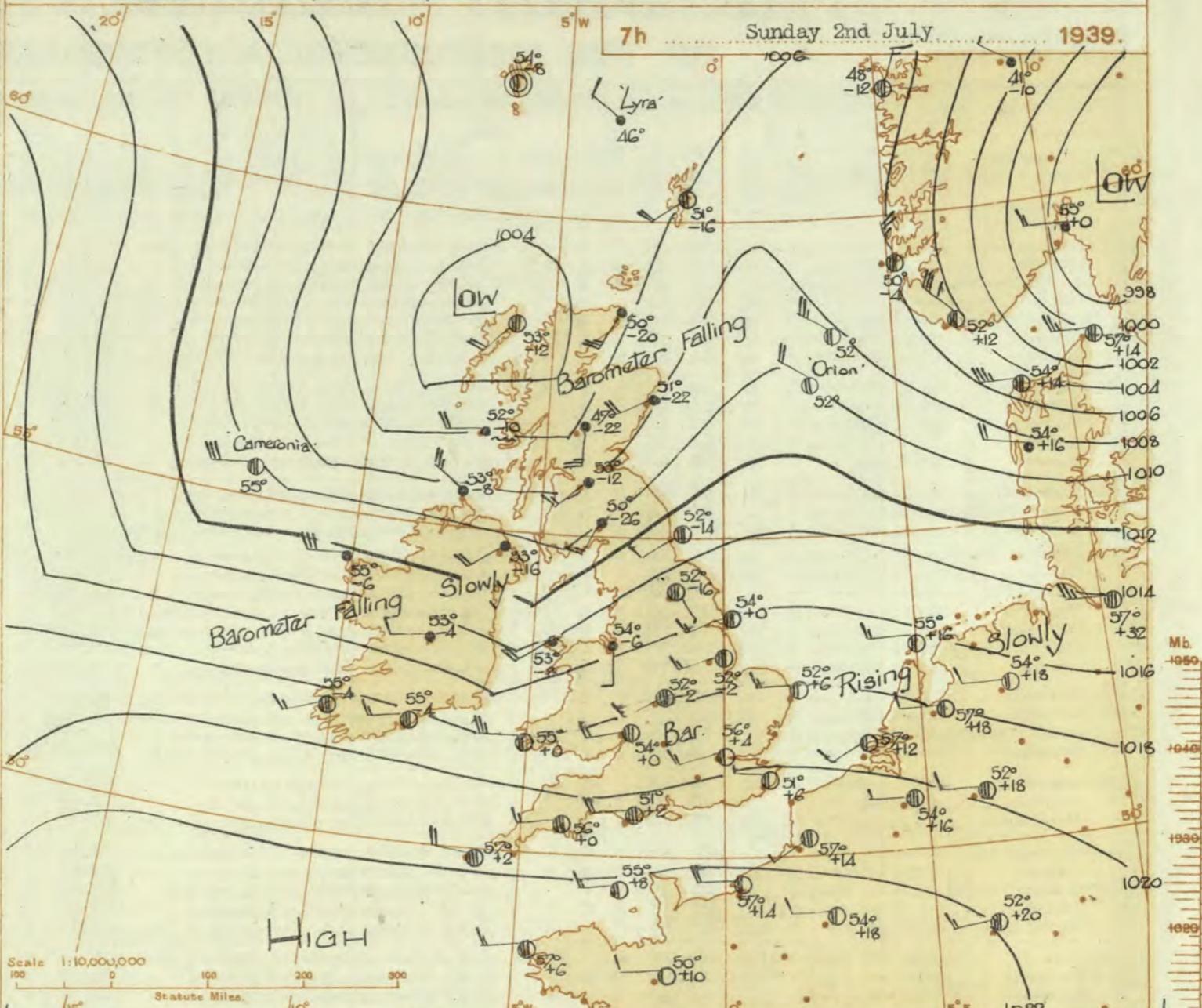
Sunday 2nd July, 1939.
No. 28346

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 1st July												OBSERVATIONS at 18h. G.M.T. 1st July												PAST 24 HOURS.							
		Barom. mb. (1)	Change in 3 hours. (2)	Wind. Dir. 0-12 (3)	Temp. (6)	Humid. (7)	Visibility 0-9 (8)	Cloud.						Barom. mb. (15)	Change in 3 hours. (16)	Wind. Dir. 0-12 (17)	Temp. (20)	Humid. (21)	Visibility 0-9 (22)	Cloud.						State of Ground. (29)	Sea. 0-9 (29)	WEATHER.					
								Form.			Amount. Low 0-10 (10)	Total 0-10 (12)	Height of Base (feet) (14)							Form.			Amount. Low 0-10 (23)	Total 0-10 (25)	Height of Base (26)								
								Low	Med.	High	Low 0-10 (11)	Total 0-10 (13)	Height of Base (feet) (14)							Low	Med.	High	Low 0-10 (23)	Total 0-10 (25)	Height of Base (26)								
1	London (Kew) ...	1012.8	+10	WNW	3	C	G2	45	7	8	-	94	9+ 4000	1015.5	+22	N'E	3	C/pr	58	75	7	8	-	94	9+ 2500	0	*	bccy	cbbc	bwb			
	Croydon ...	1012.4	+8	NW	3	C	G2	55	8	2	G	-	46	9+ 4000	1015.0	+10	N'w	3	pr	G2	45	7	9	6	-	78	9+ 4000	0	*	bccy	cbbc	bcbnw	
	S. Farnborough	1012.9	+10	NW	2	C	G2	56	8	8	3	-	46	9+ 4000	1015.0	+14	WNW	2	C	G2	55	8	8	3	-	46	7- 4000	0	*	cmbccy	cbbc	bcbwbcv	
	Boscombe Down	1013.9	+6	N'w	4	Pr	G1	55	8	8	7	-	46	9+ 2500	1016.2	+14	NW/N	4	bc	59	55	8	8	4	8	4+ 2500	0	*	bcccbc	bcb	bcb		
	Calshot (Soton.)	1014.0	+10	NNW	3	Pr	G5	55	8	8	3	9+	1500	1015.3	+8	NW/W	4	bc	65	45	8	8	3	2-3	2-3 4000	0	*	bccy	cbbc	bcb			
	Lympne	1011.6	+6	NW	4	C	G4	55	7	3	G	3	46	7- 4000	1014.4	+14	NW/N	1	Pr	60	65	7	3	6	10	4000	1	\$	bccy	cbbc	bcbwg		
	Manston	1011.2	+6	NNW	3	C	G4	55	7	8	-	G	2-3	7-8 4000	1014.4	+20	N'E	4	E	57	75	7	8	7	46	7- 4000	1	*	bccy	cbbc	bcbwg		
2	Shoeburyness	1011.6	+8	NW	3	C	GG	45	8	2	8	-	46	7- 4000	1014.4	+20	N	3	C	59	75	8	8	7	7-8	9+ 4000	0	*	bccy	cbbc	bcbw		
	Felixstowe	1010.9	+10	NNW	4	C	G3	45	9	2	7	-	78	7- 2500	1014.4	+26	N	3	C	58	75	8	6	7	46	9+ 1500	1	2	bccy	cbbc	bcbw		
	Gorleston	1010.4	+10	NNW	3	Pr	G4	75	7	7	4	-	46	9+ 2500	1013.5	+20	NW	4	C	58	75	7	8	7	46	7- 2500	0	2	bccy	cbbc	bcbw		
	Mildenhall	1011.1	+6	NNW	3	Pr	G5	75	7	8	9	-	46	9+ 2500	1016.0	+16	NW	1	C	52	92	7	8	6	7-8	9+ 2500	1	*	bccy	cbbc	bcbw		
3	Birmingham	1013.8	+10	WNW	4	bc	58	55	8	8	-	46	4- 2500	1016.0	+12	WNW	4	b	59	45	8	1	-	-	Tr	Tr	2500	1	*	bc	bcc	bcb	
4	Upper Heyford	1013.4	+6	NW	4	C	55	55	8	9	3	-	78	9+ 1500	1015.5	+14	NW	4	b	61	45	9	8	-	1	2-3	2-3 2500	1	*	cmbccy	bccy	bcc	
	Ross-on-Wye	1014.4	+6	NW	3	bc	52	45	9	7	-	1	46	4- 4000	1016.0	+14	WNW	4	b	61	45	9	8	-	1	4-6	4-6 2500	0	3	bccy	cbbc	bcc	
5	Hartland Point	1017.8	+18	NNW	5	bc	54	75	8	3	-	3	2-3	4-6 2500	1019.8	+2	NW	4	bc	66	75	9	2	-	-	2-3	2-3 2500	0	3	bcc	bcc	bcc	
	Bristol	1014.5	+10	NNW	5	bc	G3	45	9	4	-	46	4- 4000	1016.9	+16	NNW	4	bc	61	45	9	2	-	-	5	2-3	4-6 2500	0	*	bccy	bcc	bccprbc	
	Portland Bill	1014.3	+16	w	3	C	57	92	8	3	7	-	78	10 2500	1017.4	+20	NW	4	bc	60	75	8	1	-	-	1	4-6	4-6 4000	1	3	ep	abc	bcc
	Plymouth	1017.0	+14	NNW	5	C	59	55	9	2	7	-	78	7- 4000	1019.8	+14	NW	5	bcc	59	55	9	1	-	1	4-6	4-6 4000	0	2	ccp	cqy	bcc	
	The Lizard	1017.9	+20	NW	5	bc	58	65	8	8	6	-	46	4- 2500	1021.6	+6	w	4	bc	58	65	8	8	6	-	4-6	4-6 2500	0	2	ccp	cqy	bcc	
	Scilly (St. Mary's)	1020.0	+10	NW	5	bc	60	75	8	2	G	-	2-3	4-6 1500	1021.3	+2	NNW	4	bc	59	85	5	2	-	2-3	4-6 2500	0	2	ccp	cqy	bcc		
	Guernsey	1015.6	+10	NW	4	bc	58	76	8	2	-	46	4- 800	1018.4	+10	NW	6	b	57	75	8	-	3	0	Tr	-	0	3	bcc	bcc	bcc		
6	Pembroke	1018.4	+4	NW	4	bc	56	85	9	2	4	-	2-3	4-6 2500	1019.0	+2	W'N	5	bc	56	92	8	2	7	3	1	4-6	4-6 2500	1	2	ccp	bcc	bcc
7	Holyhead	1016.5	+12	NNW	3	bc	56	65	9	2	2	-	2-3	4-6 2500	1016.8	+2	SW	3	bc	56													

Districts.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h. 30m.	Max. 9h. 15m.	Night, 17h. to 9h. 1st.	Day, 17h. to 9h. 1st.	Sunrise to 1st.	Sunrise to 30th.
1 Tunbridge W.	bccp	cbbc	43	GG	-	Trace	5.9	7.9	
Bournemouth	bcpcf	cbc	49	GG	-	Trace	7.0	9.3	
Ventnor	cbct	cob	51	GG	-	1	7.3	9.3	
Southsea	ccop	beop	50	G7	Trace	Trace	7.7	8.5	
Bognor Regis	b	bcpr	48	GS	-	1	7.0	9.1	
Littlehampton	bv	bcpcbc	48	G7	-	0.1	8.6	6.9	
Worthing	bbbc	bc	50	GC	-	-	8.8	6.4	
Brighton	bc	bc	51	G7	-	-	8.0	7.3	
Eastbourne†	bcvey	cytc	52	G7	-	-	7.3	6.0	
Hastings†	cbcc	ptbcc	50	G7	-	1	5.7	4.8	
Folkestone	bc	beccrc	51	G7	-	1	6.8	3.5	
Dover	bc	bcpcbc	50	G9	Trace	Trace	9.0	3.6	
Deal	bbbbc	bbcc	54	G9	-	10.5	4.2		
Ramsgate	bcc	bc	43	G8	0.1	-	8.7	4.1	
Margate	cbe	bc	51	G4	Trace	-	8.1	5.0	
2 Southend	b	bbcc	49	G9	Trace	-	8.6	5.1	
Clacton-on-Sea	cbe	bc	49	GG	0.4	-	5.6	5.0	
Dovercourt	bc	bc	50	G7	Trace	-	7.5	5.6	
Lowestoft	cbcb	bbcc	49	G7	0.4	-	9.2	5.5	
Skegness	pbc	grdc	47	G0	-	6	5.5	7.3	
Mablethorpe...	ccop	cccv	45	G1	1	1	5.2	7.2	
Cleethorpes	bcrc	bcv	48	G1	-	8.2	8.3		
3 Leamington S.	bc	bc	43	G4	-	-	2.5	5.8	
4 Cheltenham†	ccy	ccy	47	G7	-	-	8.6	8.4	
5 Bath	cbcb	bbcc	46	GG	-	-	9.3	8.6	
Weymouth	bc	cb	50	GG	-	-	7.8	7.1	
Jersey	pcbc	bcc	54	G2	Trace	-	4.9	3.6	
Torquay	bcgg	pvq	51	G3	Trace	-	7.8	10.5	
Falmouth	crepo	bNv	51	G1	1	Trace	9.5	10.8	
Penzance	rebcb	b	50	G7	6	-	9.2	12.7	
St. Ives	...	...	...	...	...	...	...	...
Bude...	cbe	be	54	GG	-	-	8.7	13.2	
Ilfracombe	bbccbc	bbccbc	53	60	-	-	7.7	13.5	
6 Aberystwyth	prbc	bcc	51	G0	2	-	10.8	11.1	
7 Llandudno	bcb	bbcc	51	GG	-	-	12.2	5.3	
Colwyn Bay...	bcb	bcc	51	GG	-	-	10.2	5.4	
Rhyl...	bc	bbcc	52	GG	-	-	10.4	6.6	
8 Wallasey	cbcb	b	52	G0	-	-	11.6	9.2	
Southport	bc	bcvbv	51	G2	-	-	12.1	5.5	
Blackpool	b	bbcb	52	GG	-	-	12.6	8.1	
Morecambe	bc	bbcc	50	GG	-	-	11.9	8.7	
9 Ilkley...	cbcp	cpbc	46	G0	-	4	2.8	7.3	
Harrogate	cbe	cccp	45	58	-	1	4.0	10.8	
10 Berwick-on-T.	cbc	cbc	49	55	0.2	-	6.0	4.6	
11 Dunbar	fpr	bc	48	50	4	-	9.0	2.0	
12 Troon...	bbbbe	bbccbc	48	58	-	-	11.3	10.1	
Douglas	b	bc	48	57	-	-	10.4	5.2	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd July, 1939.
1 S.E. England	
2 E. England ...	Moderate westerly wind; mainly cloudy, occasional rain later; average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate to fresh southwest to west wind; occasional rain at first bright periods and thundery showers later; rather cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Wind southwest to west, veering northwest later, fresh to strong, approaching gale force locally; rain at first, thundery showers later; rather cool.
13 { A. W. Scotld. B. N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	Wind variable becoming finally northwest fresh; rain at first, showers later; rather cool.
16 Orkney and Shetland	
17 N. W. Ireland	As 11 - 14.
18 N. E. Ireland	
19 S. E. Ireland	As 6 - 10.
20 S. W. Ireland	As 6 - 10.

H.M.S.O. Press, Cornwall House, S.E.1

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

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 Hebrides will move east-southeast. In the North and Northwest weather will be dull and rainy at first followed by bright periods, showers and a chance of thunder. In the Southeast and South there will be a gradual increase of cloud and rain will extend to all parts. Temperatures will be rather below the seasonal average.

FURTHER OUTLOOK.

Unsettled

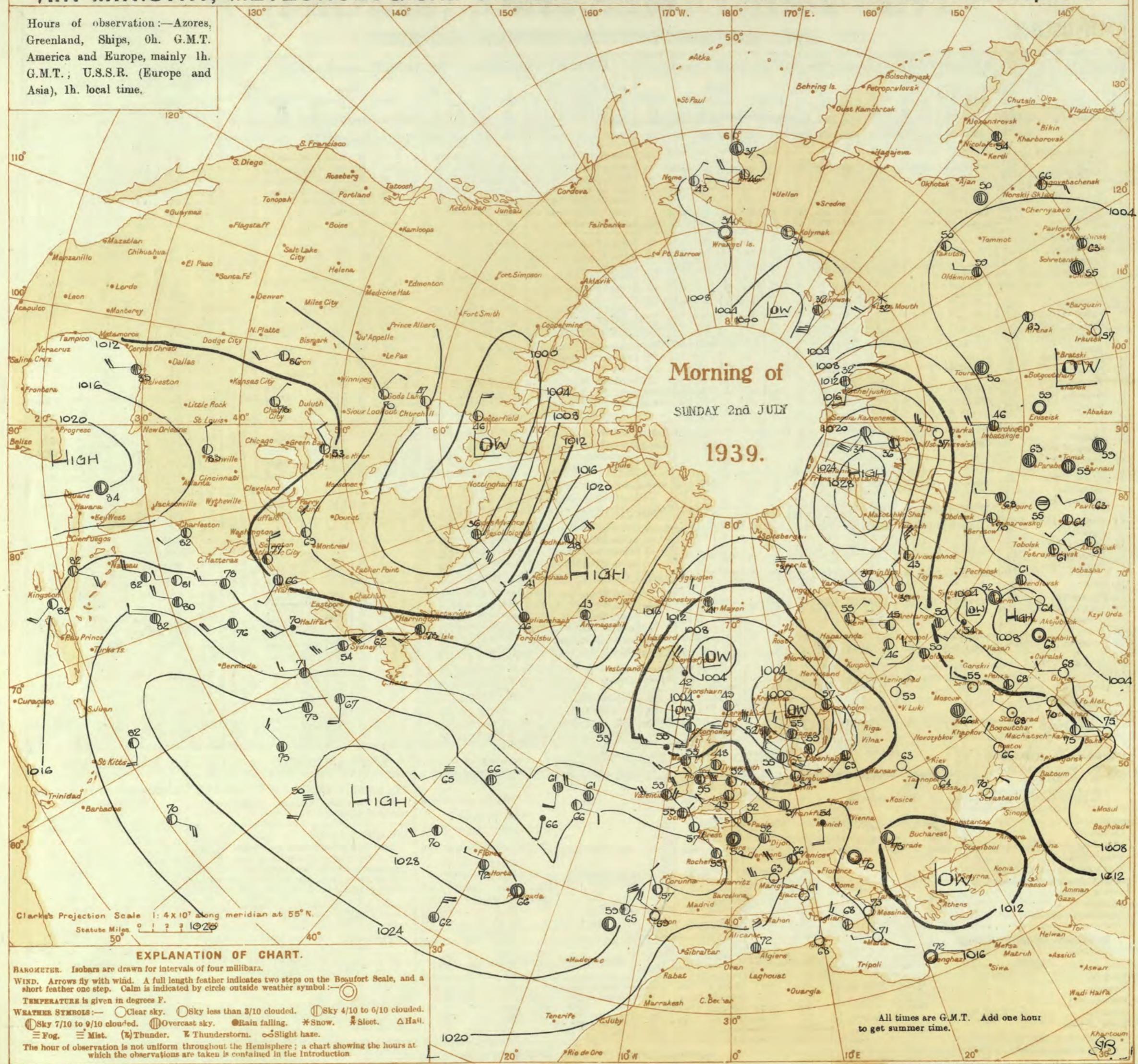
Time of Issue of Gale Warning
† South Cone hoisted at 0230 on 2/7/39 in districts 13 (a and b) and 17

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

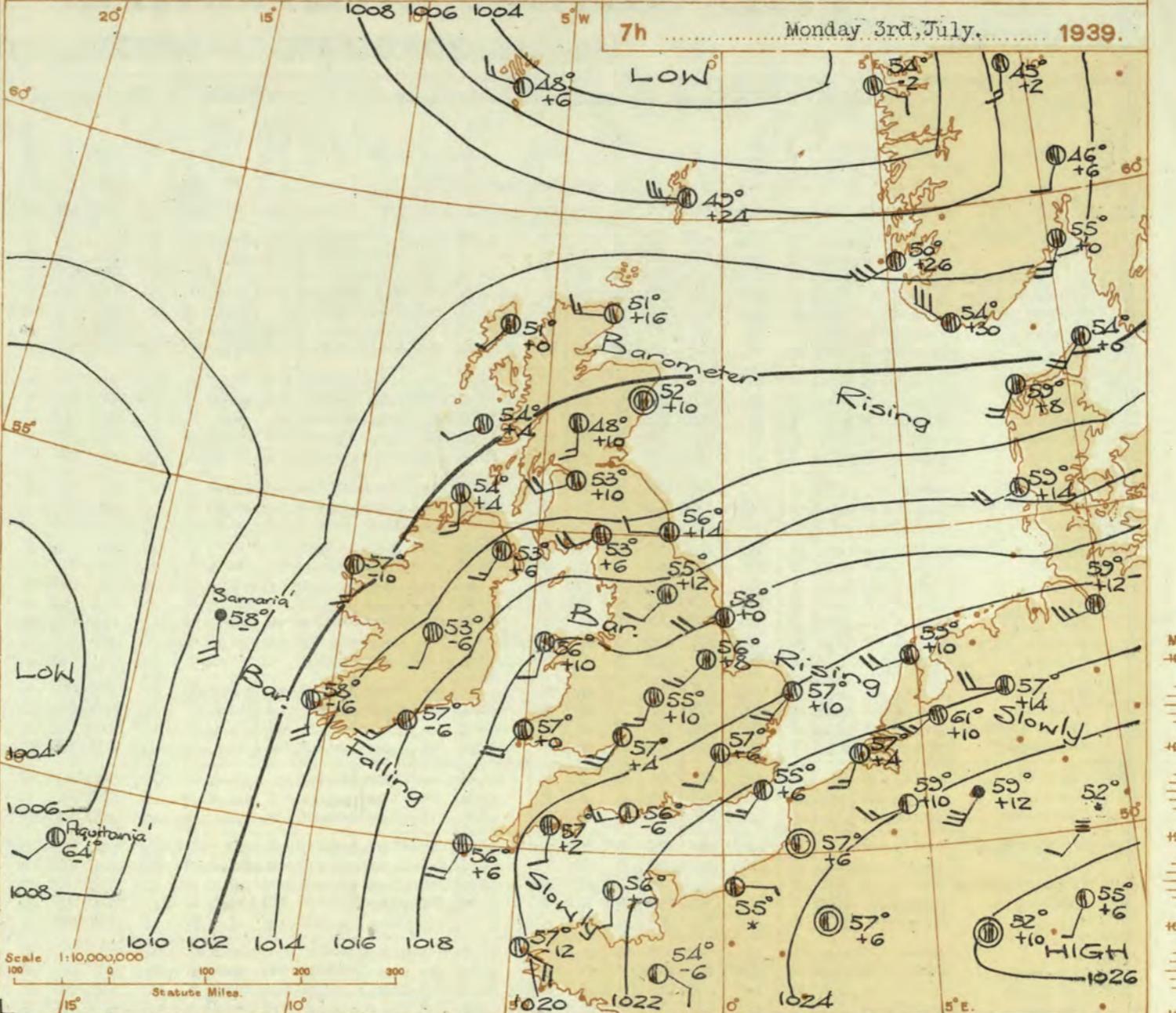
Sunday 2nd July, 1939.
No. 28346

District.	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. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	0-9 Visibility.	Cloud.				Barom. mb.	Change in 2 hours.	Wind.		Weather.	Temp. °F.	Humid. %	0-9 Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.				RAINFALL.				SUN-SHIN Hrs.	
					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)	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.					
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	6	*	*	*	*	*	1019.2	+4	WSW	2	bC	54	85	8	5	-	6	2-3	4-G	4000	0	*	G6	49	35	Tr	-	8-7
	Croydon ...	217	1018.5	+8	WSW	2	b*	49	85	80	*	*	3	*	*	*	1019.1	+4	SWN	3	bC	56	75	8	5	4	5	Tr	4-G	4000	0	*	G5	37	Tr	-	6-9	
	S. Farnborough ...	226															1019.3	+4	SWN	3	bC	56	85	8	2	3	5	Tr	4-G	2500	0	*	GC	39	31	0-2	-	7-5
	Boscombe Down ...	417															1019.4	+4	WS	3	bC	53	85	8	5	4	-	2-3	4-G	2500	1	*	G4	43	38	0-2	-	11-4
	Calshot (Sthmtn.) ...	8															1019.7	+4	WSW	3	bC	55	85	8	7	3	5	2-3	4-G	2500	1	*	GC	45	41	0-2	-	9-2
	Lympne ...	346	1018.4	+12	NW	2	b*	48	92	6	-	3	2	0	2-3	-	1019.9	+6	WNW	1	bC	51	85	7	-	-	5	0	2-3	1	*	G5	44	41	1	3	8-9	
	Manston ...	154	1018.0	+8	WS	2	b*	47	92	6	5	3	-	2-3	4-G	2500	1019.6	+10	SW	3	b*	53	75	6	-	7	5	0	2-3	1	*	GG	43	35	-	1	8-9	
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+4	SWS	2	c	56	75	7	-	3	6	0	7-8	-	0	*	G8	45	33	0-2	Tr	7-6	
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+10	W	3	bC	52	75	8	-	3	5	0	2-3	-	0	2	G9	48	44	8	-	7-2	
	Gorleston ...	5	1016.4	+8	WSW	2	bC	52	75	7	-	4	-	0	2-3	-	1017.3	+6	W	3	bC	52	75	7	-	4	-	0	2-3	-	2	G4	47	46	3	-	11-2	
	Mildenhall ...	19														1017.5	+4	SW	3	b*	52	85	6	5	3	-	4-G	7-8	5700	1	*	GG	41	35	3	Tr	8-0	
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.2	-2	WSW	3	b*	52	85	6	-	3	6	0	9	-	0	*	G3	43	41	7	-	8-0	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	-2	SW	2	c	52	85	8	1	5	1	!	Tr	7-8	800	1	*	G1	47	42	-	12-6	
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	0	SWN	3	bC	52	92	7	6	4	9	1	4-G	800	0	*	GG	42	34	0-3	Tr	-	
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.0	0	WSW	3	c	54	75	8	5	6	g	9	1	4-G	800	0	*	GG	47	40	0-3	-	9-7
6	Hartland Point ...	299	1019.5	-2	WNW	4	bC	55	91	8	2	5	3	2-3	4-G	2500	1019.1	+2	NW	4	c/p	58	85	8	3	6	-	7-8	9	1500	6	3	57	54	51	-	1-3	
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.0	+2	SWS	4	p/r	57	85	8	9	7	8	4-6	9	1500	0	*	GG	49	38	0-2	Tr	0-3	
	Pottland Bill ...	32	1020.7	+4	NW	4	b	55	92	8	-	-	0	0	-	1020.3	+2	N	4	c	51	92	8	5	4	-	4-G	104000	1	3	61	50	46	-	10-4			
	Plymouth ...	82														1020.8	0	W	3	c	56	85	7	2	7	-	7-8	9	1500	1	*	GG	48	46	-	10-8		
	The Lizard ...	240	1021.9	0	W'S	3	bC	54	85	8	8	4	-	2-3	4-G	2500	1021.9	+2	WS	3	bC	56	92	8	8	4	-	4-G	4-G	2500	0	2	G1	53	49	1	0-1	
	Scilly (St. Mary's) ...	163	1021.7	-4	NNW	4	b	55	92	8	3	7	-	7-8	9+	1500	1021.2	+2	WNW	4	c	57	85	8	8	2	4-6	7-8	1500	1	2	G1	53	49	1	0-5		
	Guernsey ...	175	1021.6	+4	NNW	2	b	51	85	9	-	-	0	0	-	1022.3	+8	W	3	bC	55	92	8	7	2	8	1	2-3	1500	0	3	G0	50	45	-	12-3		
7	Bromske ...	142	1019.1	+2	NW	3	bC	54	97	8	5	3	1	2-3	4-G	2500	1018.4	0	WN	5	c	55	97	8	5	7	-	2-3	4-G	2500	0	3	58	53	49	2	-	
8	Holyhead ...	26	1016.2	-2	WSW	4	c	55	7																													

REPORTS from HEALTH RESORTS for 2nd July 1939.										
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)		
		Forenoon.	Afternoon.	Min. 9h. 1st.	Max. 9h. 17h.	Night. 17h. 1st.	Day. 9h. 17h.	Sunrise to 17h.	Sunrise to Sunset.	2nd.
1	Tunbridge W.	bcc	copac	59	64	Trace	Trace	6.8	6.0	
	Bournemouth	bbcc	cbc	48	65	-	-	7.0	8.5	
	Ventnor	bbc	bbc	50	61	-	-	11.5	9.4	
	Southsea	bcb	bopbc	50	68	-	Trace	8.1	10.1	
	Bognor Regis	bc	bc	47	61	-	-	6.7	8.1	
	Littlehampton	bcc	cbc	46	62	-	-	6.3	10.6	
	Worthing	c	c	47	64	Trace	-	6.3	11.2	
	Brighton	bccbc	cbc	49	61	0.1	-	5.8	8.2	
	Eastbourne†	cbc	bcc	50	63	-	-	11.4	8.7	
	Hastings†	bc	bcc	48	63	0.5	-	9.3	6.2	
	Folkestone	bccpc	ccrc	48	65	1	Trace	7.7	7.2	
	Dover	bc	bc	47	63	0.3	-	7.3	5.2	
	Deal	bbcc	c	40	69	3	-	7.0	11.2	
	Ramsgate	c	rcc	48	63	6	Trace	6.9	9.6	
	Margate	bc	bccbc	49	65	4	-	6.7	9.0	
2	Southend	cbcc	cocr	47	67	-	Trace	5.2	5.2	
	Clacton-on-Sea	bc	bccp	45	65	4	Trace	6.4	5.8	
	Dovercourt	bc	bcc	46	65	-	-	6.7	7.5	
	Lowestoft	bccbc	bccpr	44	67	-	Trace	7.5	10.5	
	Skegness	bc	ooro	42	62	-	1	2.9	5.6	
	Mablethorpe...	obc	bccor	42	62	-	2	2.2	5.4	
	Cleethorpes	bccro	rccr	44	63	-	Trace	3.3	8.3	
3	Leamington S.	oc	bcco	44	63	-	-	2.2	11.9	
4	Cheltenham†	c	cp	48	61	-	Trace	2.2	10.8	
5	Bath	cbc	c	49	63	Trace	Trace	3.0	11.9	
	Weymouth	bc	bc	50	63	-	-	4.2	10.3	
	Jersey	bc	bc	52	63	-	-	3.8	7.2	
	Torquay	wcbcp	cq	47	63	-	Trace	1.3	10.4	
	Falmouth	bccvc	b	52	64	0.2	-	4.3	12.1	
	Penzance	pbcc	cbcc	52	65	2	-	4.9	11.4	
	St. Ives	cbc	c	55	62	-	-	3.9	11.4	
	Bude	bbc	bbc	54	62	-	0.2	5.7	10.4	
	Ilfracombe	bccbc	cpbco	54	62	-	-	1.0	-	
6	Aberystwyth	cir	cir	55	59	-	1	0.0	11.0	
7	Llandudno	r	rc	53	58	2	1	0.0	14.2	
	Colwyn Bay	pop	popc	50	59	0.5	1	0.0	12.1	
	Rhyl	cirs	crs	48	59	1	1	0.0	12.2	
8	Wallasey	rrc	rrc	50	58	0.5	3	0.0	14.3	
	Southport	orr	oir	53	58	2	1	0.0	14.8	
	Blackpool	orr	cop	54	58	3	2	0.0	15.4	
	Morecambe	odr	odr	49	58	3	4	0.0	14.4	
9	Ilkley	odoo	odrr	42	59	1	1	0.4	3.5	
	Harrogate	cpo	cpo	43	59	0.5	0.1	0.4	4.2	
10	Berwick-on-T.	orgc	rbc	44	64	Trace	Trace	4.0	5.1	
11	Dunbar	cpr	cpr	45	64	0.3	Trace	4.6	9.3	
12	Troon	ropoc	coc	50	57	4	0.3	0.8	13.3	
	Douglas	cr	bcr	47	58	5	1	0.2	11.8	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd July, 1939.
1 S.E. England	Freshening south wind; mainly fair; somewhat warmer.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Freshening south wind, strong locally, veering southwest; fair at first; occasional rain later; average temperature.
6 South Wales	
7 North Wales	
8 N.W. England	Freshening south wind, strong locally, veering southwest; bright intervals and local showers at first; occasional rain later; rather cool.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 A. W. Scotld. B. N. W. Scot- land	Freshening southeast to south wind; bright intervals and local showers at first, occasional rain later; rather cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	Freshening south to southeast wind, veering southwest; occasional rain; local thunder later; cool.
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

An anticyclone centred over Switzerland is moving east, and a deepening depression west of Ireland will move northeast. Weather will be fair at first apart from local showers, but more general rain is expected later in western districts extending northeastwards.

FURTHER OUTLOOK.

Unsettled, except perhaps in the Southeast.

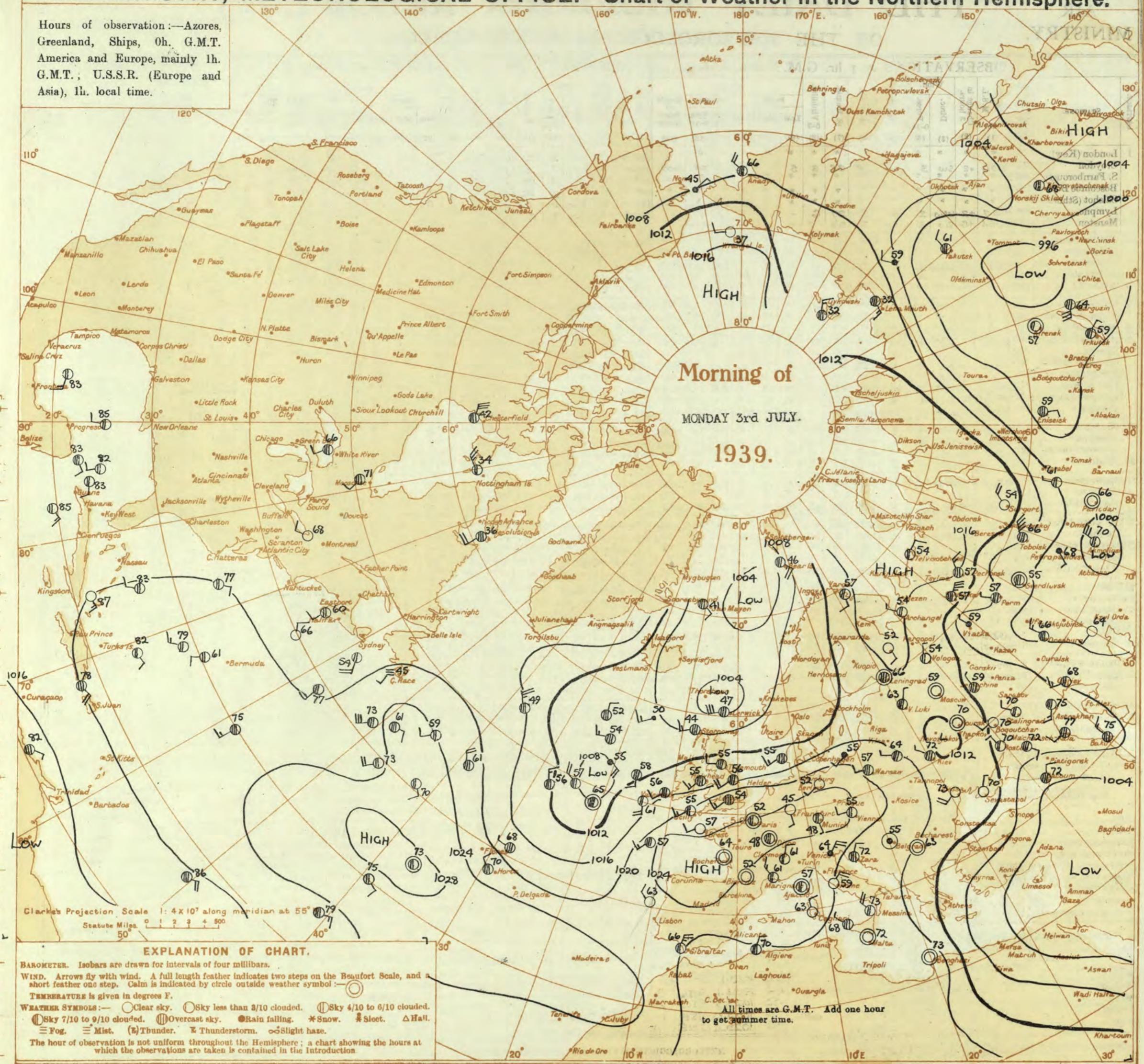
l.D. Forecasts issued at

0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T.
America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 3rd July, 1939.
No 28347

LONDON OBSERVATIONS

1 day 7h—18h, Kew & Croydon.
9h—18h, Kensington.

9h—21h, other stations except
for rainfall which is 9h—18h.

TERMS OF SUBSCRIPTION.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each; by post 1½d.
2/6 per month; 6/6 per quarter; 25/- per year.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

[†] 1 hr. observations are from Valentia W/T Station.

⁴ Maximum and Minimum Temperatures are for the 24 hours ending 8 a.

⁵ See disturbance reported from Runnymede.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 4th July 1939

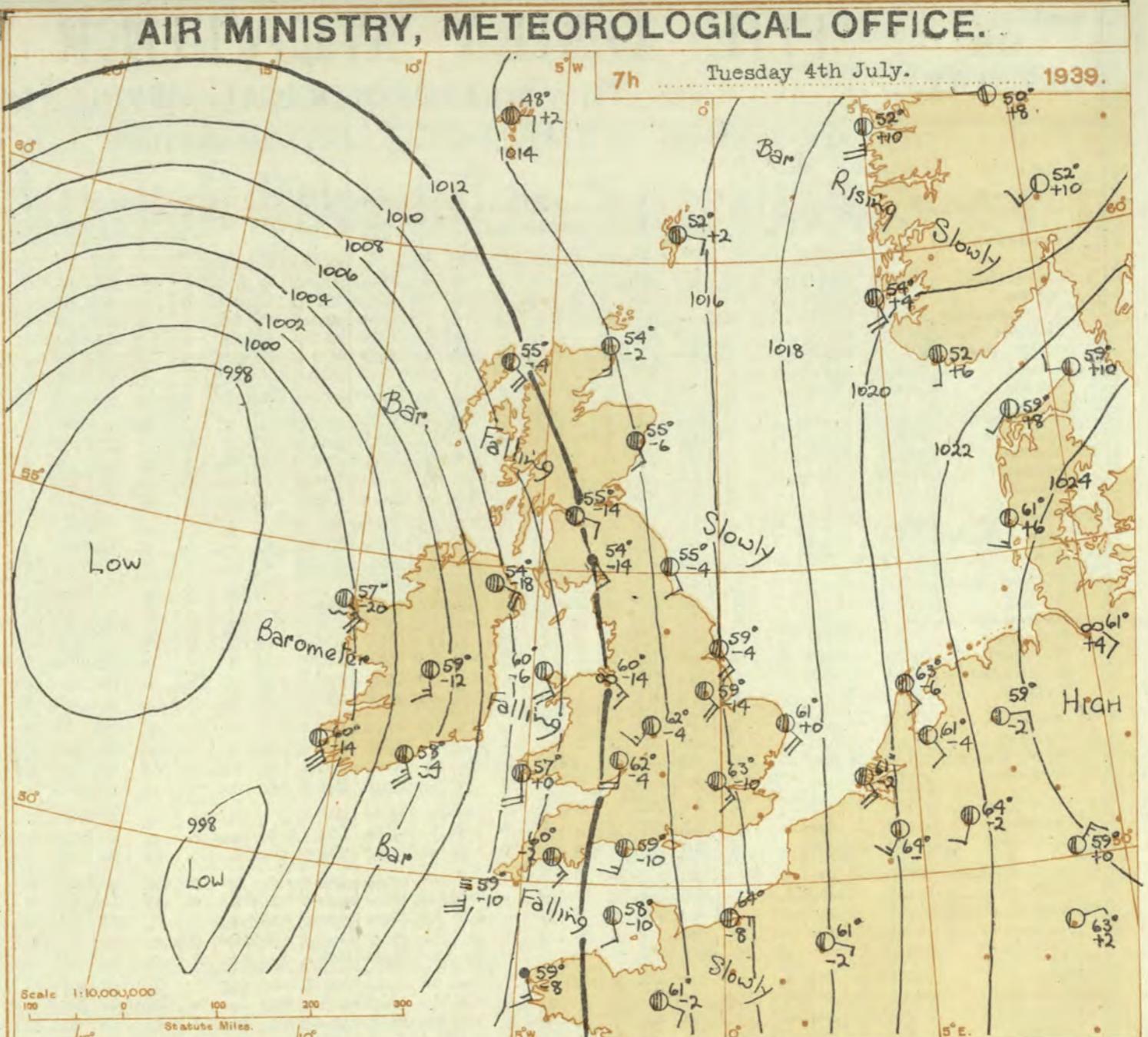
No. 28348

DISTRICT.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 3rd July												OBSERVATIONS at 18h. G.M.T. 3rd July												PAST 24 HOURS.										
		Barom. mb. (1)	Change in 3 hours. (2)	Wind. Dir. (3)		Weather. (5)	Temp. (6)	%Humid. (7)	Cloud. Form (9) Low Med. High 0-10 Visability (10) Amount (11) Height of Base (feet) (12)						Barom. mb. (15)	Change in 3 hours. (16)	Wind. Dir. (17)		Weather. (19)	Temp. (20)	%Humid. (21)	Cloud. Form (23) Low Med. High 0-10 Visability (24) Amount (25) Height of Base (feet) (26)						State of Ground. (28)	Sea. (29)	WEATHER.						
				0-Force (4)	Wind. Dir. (18)				Low (9)	Med. (10)	High (11)	0-10 (12)	Total (13)	0-Force (17)		Wind. Dir. (18)																				
1	London (Kew) ...	1021.4	-6	S.W.	4	C	64	55	8	7	-	6	7-8	9	4000	1019.3	-14	S.W.	2	C	66	55	8	-	-	6	0	7-8	-	0	*	cyc	cy	cyc	C	
	Croydon ...	1021.0	-4	S.W.	3	C	67	55	8	2	4	6	4-6	9	4000	1019.6	-12	S.S.E.	3	C	67	55	8	1	-	3	Tr	9	7200	1	*	cbbc@	c@y	cyc	cbc	
	S. Farnborough	1020.9	-6	S	3	C	67	45	8	1	-	6	4-6	9	4000	1018.9	-14	S.E.	3	C	65	55	8	-	3	9	0	7-8	-	0	*	bccv@cy	c@bacy	ty	cbc	
	Boscombe Down	1020.3	-8	S	4	C	65	55	8	2	-	6	2-3	9	2500	1018.5	-14	S.E.	3	C	63	65	9	4	7	6	2-3	9	4000	0	*	bcc	c	c	cbc	
	Calshot (Soton)	1021.5	-2	SSE	3	C	65	65	8	1	-	6	2-3	9	1500	1019.1	-18	E.S.E.	5	C	61	75	8	1	7	9	0	2500	0	§ 3	bcc	cbcc	c	C		
	Lympne ...	1022.7	+2	S.W.	3	C	62	65	9	1	-	3	1	7-8	4000	1020.5	-16	E.S.	1	C	61	65	8	-	7	9	0	3	*	bcc	bcc@	bcc	cbc			
	Manston ...	1022.1	0	S.W.	4	C	66	55	8	2	-	6	2-3	9	4000	1020.6	-10	S.E.	1	C	64	65	8	1	-	6	Tr	9	2500	1	*	cy	cyc	c	cbcmo	
2	Shoeburyness ...	1021.5	-4	SSW	3	C	67	55	8	8	7	6	7-8	9	4000	1020.0	-4	S	2	bc	65	55	8	-	9	6	0	4-6	-	0	*	obccy	eybey	bcc	cbc	
	Felixstowe ...	1021.7	+2	S	4	C	66	65	8	8	6	5	7-8	8	2500	1020.3	-10	S	4	C	65	65	9	4	7	6	7-8	5700	0	3	coc	cbcc	ebcc	C		
	Garleston ...	1020.7	+2	SSW	2	C	66	55	7	5	3	-	4-6	9+	2500	1020.0	-6	S.W.	4	C	64	65	7	5	3	-	4-6	5	2500	0	2	cy.	cy	f	cbc	
	Mildenhall ...	1020.5	-2	SSW	3	C	66	65	8	7	1	-	9	9+	2500	1018.9	-12	S.W.	3	bc	66	65	8	7	4	2-3	4-6	5700	0	*	cmcc	bcc	cbc	cbc		
	Cranwell ...	1019.3	-2	S.W.	4	C	65	45	8	7	-	8	4-6	9+	4000	1018.2	-6	SSW	3	C	64	55	8	7	7	6	Tr	9	4000	0	*	ccy	cbccy	cbcmo	cp	
3	Birmingham ...	1019.1	-4	SSW	3	C	63	55	8	7	-	6	7-8	7-8	2500	1017.4	-12	S	3	C	65	45	8	8	-	8	4-6	5	2500	1	*	cpr,bcc	c	c	cbc	
4	Upper Heyford	1020.4	-2	SSW	3	C	63	65	8	8	3	2	2-3	9+	2500	1018.9	-10	S.W.	3	C	64	55	9	4	4	6	1	9+	4000	0	*	bcc	cybey,cyc	c	cbc	
	Ross-on-Wye ...	1018.3	-4	S.W.	4	bc	66	55	8	8	1	-	4-6	9+	4000	1017.2	-14	S.W.	3	C	63	55	8	1	7	1	9+	2500	0	*	c	cybey,cyc	c	cbc		
5	Hartland Point	1017.7	-10	S	3	C	63	55	9	7	-	8	4-6	7-8	2500	1015.3	-12	SE	3	C	60	65	9	1	6	3	1	9+	4000	0	2	cv	cvp.	c	cbc	
	Eristol ...	1015.8	-6	S	3	C	64	55	9	2	3	8	4-6	7-8	2500	1018.0	-12	S	3	C	62	55	9	5	3	8	2-3	9	2500	0	*	bbcc,bccy	bccy	c	cbc	
	Portland Bill ...	1020.5	-10	SSW	3	C	53	85	8	2	4	-	4-6	7-8	4000	1017.4	-12	SE	4	C	58	85	8	5	7	-	7-8	10	4000	0	3	bcc	cccir.	arc,bcc	Cidoc	
	Plymouth ...	1019.3	-10	S.E.	3	C	60	75	8	8	-	4	-	7-8	9	2500	1016.2	-22	S.E.	3	C	61	65	8	2	7	-	Tr	9	2500	0	*	ccy	ccy	ccy	ccy
	The Lizard ...	1017.6	-12	SEE	4	C	61	85	8	8	8	-	4-6	7-8	2500	1014.7	-26	E	4	C	58	92	8	8	7	-	7-8	2+	2500	0	3	bcc	c	circ	or, idf	
	Scilly (St. Mary's) ...	1016.3	-16	SE	3	C	61	85	8	7	-	1	4-6	9+	1500	1012.7	-28	SE	4	C	59	92	8	8	7	-	4-6	10	1500	0	3	bcc	c	circ	or, idf	
	Guernsey ...	1020.0	-14																																	

REPORTS from HEALTH RESORTS for		WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
DISTRICTS.	STATIONS.	Fore-	After-	Min.	Max.	Night.	Day.	Sunrise	Sunrise
		noon.	noon.	9h. 2nd to 9h. 3rd	9h.-17h. 3rd	17h.. 2nd to 9h. 3rd	9h.-17h. 3rd	to 17h. 3rd	to Sunset. 2nd
1	Tunbridge W.	b.c	bcc	52	69	-	-	10.0	6.9
	Bournemouth	bbc	bddbc	52	67	-	-	9.8	7.1
	Ventnor	cb	bdc	55	71	-	-	9.9	12.7
	Southsea	b	bc	56	66	-	--	11.6	9.3
	Bognor Regis	bc	bc	55	63	-	-	9.0	8.4
	Littlehampton	bc	bc	55	64	-	-	10.4	8.2
	Worthing	bloc	bc	56	63	-	-	10.3	8.1
	Brighton	b	cbbc	57	63	-	-	8.0	5.3
	Eastbourne†	bc	bcc	56	63	-	-	9.2	11.8
	Hastings†	bdc	bcc	48	64	-	-	9.3	9.6
	Folkestone	bc	bcc	53	66	-	-	8.0	8.0
	Dover	bc	bc	55	64	-	-	7.1	7.5
	Deal	ocbcb	bcc	46	69	-	-	8.6	7.5
	Ramsgate	bc	bc	48	65	-	-	6.2	7.1
	Margate	bcc	bcc	53	68	-	-	5.3	7.0
2	Southend	c	cbbc	55	73	-	-	4.9	5.3
	Claacton-on-Sea	cbc	bccbc	55	66	-	-	2.8	6.8
	Dovercourt	bcc	bcc	53	67	-	-	2.8	7.3
	Lowestoft	c	c	52	67	-	-	0.5	7.6
	Skegness	bc	bc	53	67	-	-	4.5	2.9
	Mablethorpe	obcc	bccy	53	68	1	-	2.0	2.2
	Cleethorpes	bc	bc	54	68	-	-	2.7	3.3
3	Leamington S.	oc	c	53	69	-	-	4.0	2.2
4	Cheltenham†	bcgc	ebcc	54	67	-	-	6.2	2.4
5	Bath	cbcb	bbcc	54	68	Trace	-	3.6	3.2
	Weymouth	bdc	bcc	55	63	-	-	3.3	4.2
	Jersey	bc	bcc	51	69	-	-	7.5	10.6
	Torquay	Wbc	bcc	51	62	0.3	-	9.2	1.4
	Falmouth	b	c	51	63	-	-	8.0	4.7
	Penzance	cb,bdc	ccgc	51	63	-	-	5.4	5.2
	St. Ives	...	...	...	...	...	...	...	...
	Bude	bc	bcc	47	65	0.5	-	8.2	3.9
	Ilfracombe	cbc	bdbbc	53	67	-	-	7.6	5.7
6	Aberystwyth	obcc	bcc	56	67	-	-	3.3	0.0
7	Llandudno	bcc	cbc	54	67	Trace	-	5.3	0.0
	Colwyn Bay	cbc	bcc	54	67	-	-	4.4	0.0
	Rhyl	cbcc	cbcc	53	68	Trace	-	4.5	0.0
8	Wallasey	cbcc	bcc	53	66	Trace	-	3.4	0.0
	Southport	c	c	54	66	Trace	-	5.2	0.0
	Blackpool	cbc	bccbc	54	66	-	-	6.4	0.0
	Morecambe	bcb	bcc	54	63	Trace	-	7.1	0.1
9	Ilkley	abc	obco	54	66	3	-	2.4	0.4
	Harrogate	c	c	53	64	0.3	-	1.4	0.5
10	Berwick-on-T.	c	c	52	63	-	-	3.9	4.4
11	Dunbar	cpr.	cpr.	49	62	0.3	Trace	1.4	4.6
12	Troon	cbcoc	copo	52	58	1	Trace	1.4	0.8
	Douglas	bc	bc	52	61	-	7.0	0.7	

+ Max. Temp. for period 21h. yesterday to 17h. to-day : Min. Temp. 21h.-0h

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. — Rough. High.

PARADIGMATIC CHANGES from 4th to 7th in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone is centred over Eastern Europe and a complex depression west of Ireland. A trough of low pressure is approaching our southwest coasts. There will be occasional rain in the West and North with local thunder. In the East there will be bright intervals and some showers to-day with local thundery rain or thunderstorms to-morrow.

FURTHER OUTLOOK.

Unsettled and probably cooler.

Time of Issued of Gale Warnings.

♦ South Cone hoisted at 1515 G.M.T. on 3/7/39 in districts 13A, 13B, 17, 20 and part of 18, and at 0815 G.M.T. on 4/7/39 in districts 8, 12, part of 7 and remainder of 18.

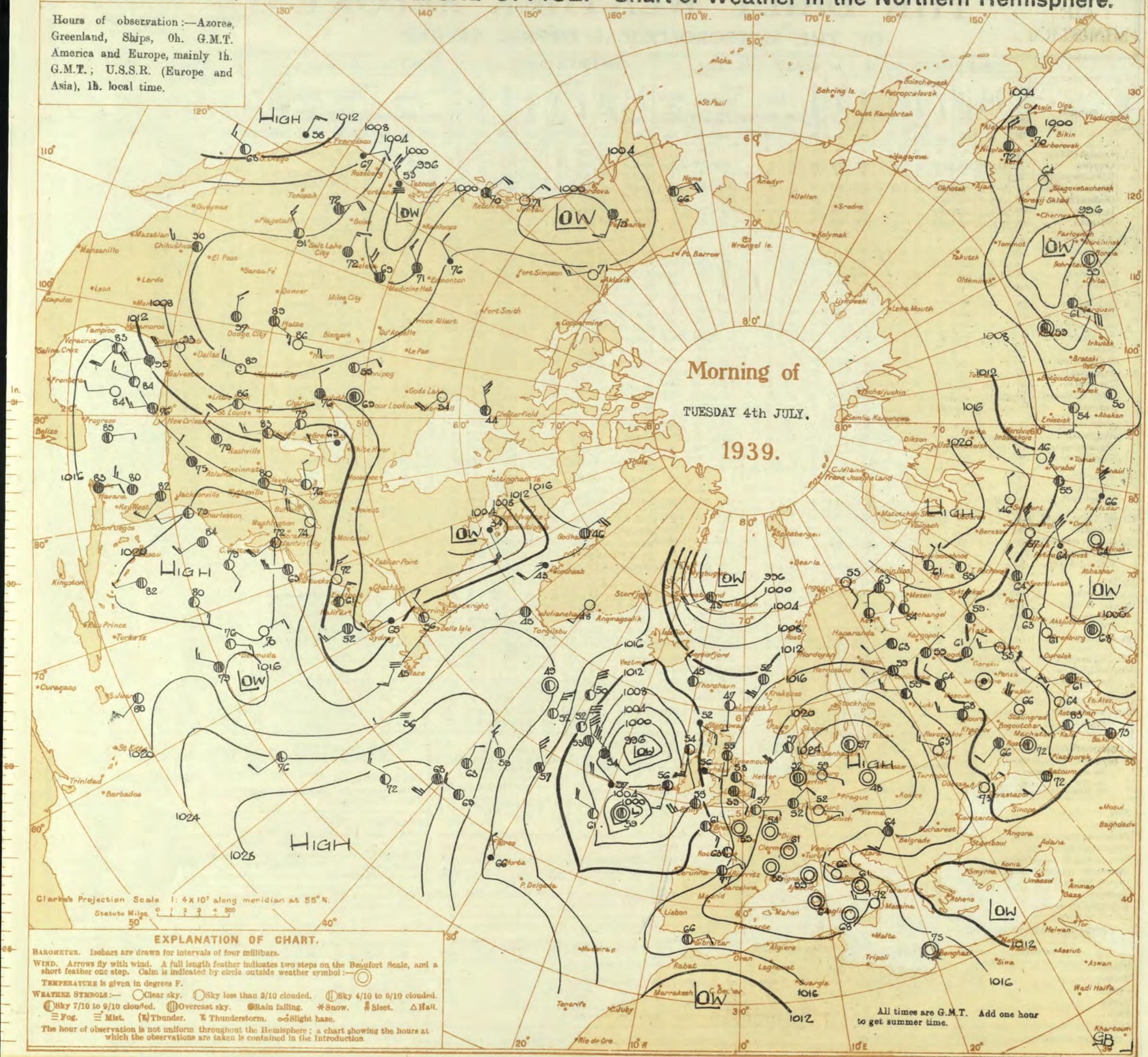
19

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

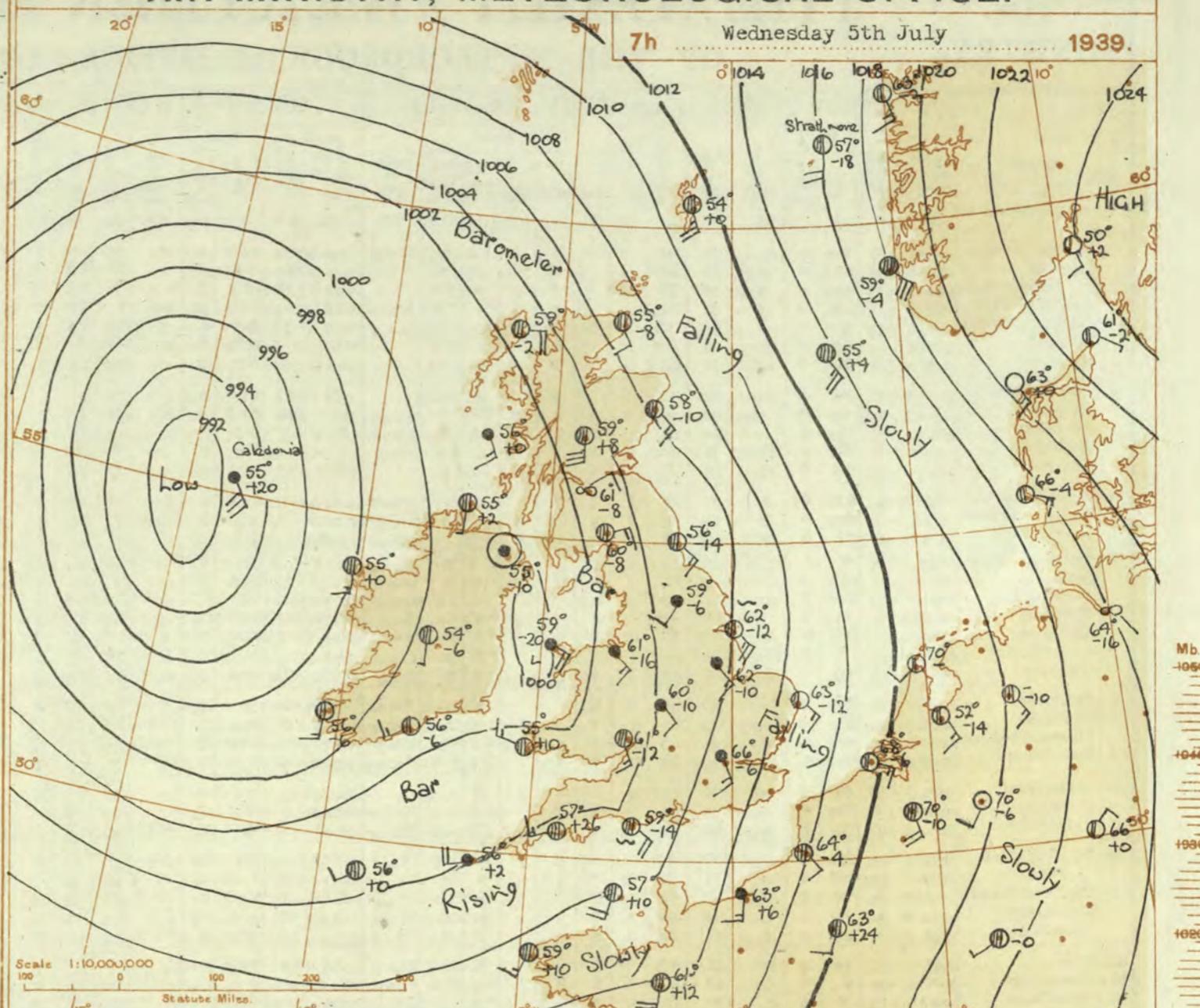
BRITISH SECTION
Tuesday 4th July 1939.
No. 28348

District.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 4th July												OBSERVATIONS at 7 hr. G.M.T. 4th July												PAST 24 HOURS.												
		Height above M.S.L. in feet.	Barom. mb. at M.S.L.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.				Barom. mb. at M.S.L.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.				State of Ground.	Sea- 0-9	TEMPERATURE.				RAINFALL.				SUN- SHINE 3rd Hrs.			
				Direc.	Force.					Low	Med.	High	Low 0-10	Total 0-10	Height Base (feet)	Direc.	Force.	Sea- (20)			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.	Day 7h-18h mm.	Night 18h-7h mm.											
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	1014.1	-10	SSE	3	C	66	G5	8	5	3	1	4-6	9	4000	0	*	69	68	47	-	-	7.2		
	Croydon ...	217	1017.7	-14	SE'E	2	C	59	75	8	6	3	-	2-3	7-8	5700	1014.8	-10	SE	3	G3	75	8	-	9	4	0	9	-	1	*	63	56	51	-	-	8.9	
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	-10	SE	2	bc	G2	75	7	8	3	-	Tr	4-6	7200	0	*	68	55	47	-	-	8.1	
	Boscombe Down ...	417	1015.4	-18	SE'E	4	C	57	85	8	5	7	-	4-6	7-8	4000	1013.1	-4	SE's	3	C	G2	75	8	5	3	-	4-6	9	4000	0	*	66	55	55	-	-	8.9
	Caishot (Stmtn.) ...	8	1015.7	-18	SE	4	C	62	75	8	5	3	-	7-8	9	4000	1013.6	-2	SE's	3	C	G4	75	8	5	3	-	7-8	9	5700	0	*	67	60	59	-	-	9.3
	Lympne ...	346	1018.6	-12	SE'E	3	C	59	75	8	3	-	0	0	9	*	1016.6	-6	SE'	3	C	G1	75	8	-	0	-	7-8	-	0	*	52	55	53	-	-	8.1	
	Manston ...	154	1018.6	-14	SE'E	3	C	59	85	7	-	3	-	0	9	*	1016.6	-8	SE'S	3	Zo	G0	75	6	5	9	8	2-3	7-8	5700	0	*	68	57	52	-	-	7.9
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.0	-8	SE	3	C	G3	75	8	5	3	1	4-6	9	5700	0	*	70	59	53	-	-	6.2	
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.0	-4	SSW	4	C	G2	75	7	5	3	6	2-3	7-8	5700	0	*	68	59	56	-	-	4.5	
	Gorleston ...	5	1019.6	-4	SE's	4	C	60	75	8	5	3	-	4-6	9-4	2500	1018.7	0	SE'S	4	C	G1	85	7	3	1	0	7-8	-	0	*	66	58	57	-	-	1.7	
	Mildenhall ...	19	1017.9	-10	SE	3	C	56	85	7	5	-	3-4	3-4	7200	1015.4	-10	SE	4	C	G3	75	7	8	7	9	4-6	7-8	4000	1	*	69	54	50	-	-	2.0	
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.8	-14	SE	4	C	G3	75	7	5	4	7-8	7-8	4000	0	*	67	51	48	-	Tr	3.6		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.6	-4	SE	3	bc	G2	65	8	5	4	1	4-6	4000	1	*	66	55	52	Tr	-	3.1		
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.6	-12	SE'S	4	C	G1	75	7	5	3	2	Tr	4-6	2500	0	*	68	55	49	-	-	6.2	
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.5	-4	S	4	bc	G2	75	8	7	5	2	Tr	4-6	2500	0	*	68	58	55	-	-	6.2	
6	Hartland Point ...	289	1010.3	-24	E	3	C	59	75	8	3	G6	-	2-3	7-8	1500	1009.0	-4	SSW	3	C	G1	92	8	5	6	4	4-6	7-8	2500	0	3	65	57	55	-	Tr	6.3
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.1	-4	SE'S	3	C	G9	85	8	1	3	8	0	7-8	-	0	*	65	58	48	-	Tr	10.5	
	Portland Bill ...	32	1013.1	-20	SE	4	C	59	92	8	5	-	-	10	10	4000	1012.5	-10	SSW	3	C	G9	92	7	5	-	-	10	10	4000	0	3	60	54	*	-	-	*
	Plymouth ...	82	1011.8	-18	SE	4	C	51	75	8	5	3	-	4-6	7-8	2500	1011.0	-2	SE	4	C	G0	92	7	5	-	-	10	10	2500	0	1	61	58	57	Tr	8.5	
	The Lizard ...	240	1011.0	-4	SSE	5	C	58	97	8	5	2	-	7-8	10	1500	1008.4	-10	SSSE	4	C	G9	97	6	5	-	-	10	10	1500	0	2	62	57	*	-	-	6.8
	Scilly (St. Mary's) ...	163	1008.1	-4	SW's	5	C	59	97	8	8	2	-	4-6	10	1500	1007.1	-10	S	5	ft+	G9	97	2	1	-	10	10	<150	1	3	63	58	*	0.1	0.3	5.3	
	Guernsey ...	175	1013.3	-28	SSE	3	C	60	75	9	-	7	8	0	7-8	-	1012.6	-10	SE	2	C	G8	92	8	2	1	8	Tr	9+4000	0	2	61	56	57	-	0.1	8.1	
6	Pembroke ...	142	1010.3	-20	SE	7	C	57	85	7	8	2	-	7-8	10																							

REPORTS from HEALTH RESORTS for 4th July 1939.											
Districts.	Stations.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)			
		Forenoon.	Afternoon.	Min. 9h. 3rd	Max. 9h. 17h.	Night. 17h.-17h.	Day. 17h.-17h.	Sunrise to 17h.	Sunrise to Sunset.	3rd.	3rd.
1	Tunbridge W.	ocb	bcc	55	82	-	-	7.0	10.3		
	Bournemouth	gcbc	bbcc	58	71	Trace	0.8	5.3	10.0		
	Ventnor	crbc	bpbc	58	68	2	Trace	3.5	10.6		
	Southsea	c	cbe	61	72	0.2	-	3.1	12.2		
	Bognor Regis	prbc	be	60	67	1	1	2.7	9.6		
	Littlehampton	cpc	cbe	59	69	0.6	0.1	3.5	11.4		
	Worthing	cpc	bbcc	60	68	Trace	-	4.8	11.3		
	Brighton	cpc	bc	59	74	Trace	Trace	6.6	8.6		
	Eastbourne†	obc	bcc	59	71	-	-	8.2	9.8		
	Hastings†	cpc	bbcc	58	73	-	-	8.3	9.9		
	Folkestone	cba	bc	57	76	-	-	6.5	8.1		
	Dover	...b	bc	58	72	-	-	6.5	7.2		
	Deal	...cbbc	cbe	58	72	-	-	8.8	8.7		
	Ramsgate	...bc	bc	58	68	-	-	5.7	6.4		
	Margate	...bcc	bc	58	75	-	-	6.2	6.0		
2	Southend	crb	cbe	59	76	-	Trace	6.1	6.4		
	Clacton-on-Sea	bcppb	cbe	59	67	-	Trace	5.9	4.5		
	Dovercourt	...bc	bc	59	71	-	-	7.3	4.6		
	Lowestoft	cpc	cprbc	52	68	-	Trace	5.3	1.0		
	Skegness	bc	bc	58	72	-	-	6.0	4.6		
	Mablethorpe	b	bbcc	54	76	-	-	8.0	2.3		
	Cleethorpes	bc	bc	52	76	-	-	5.8	3.5		
3	Leamington S.	c	c	52	77	-	-	4.7	5.0		
4	Cheltenham†	crc	c	56	74	Trace	Trace	2.1	6.4		
5	Bath	...p.c	cbe	56	75	Trace	Trace	1.8	5.7		
	Weymouth	...pccb	cb	58	68	0.2	Trace	2.5	9.3		
	Jersey	...pbc	bcc	59	76	Trace	-	6.6	7.5		
	Torquay	...op	cbe	50	66	0.1	-	2.5	9.2		
	Falmouth	...efdro	ccomo	58	61	0.2	7	0.0	8.0		
	Penzance	rrre	cpr	58	63	0.3	0.5	0.0	5.4		
	St. Ives	...									
	Bude	...cr	cr	59	68	-	-	0.5	8.2		
	Ifracombe	...bbcc	bcc	59	71	-	Trace	3.8	7.6		
6	Aberystwyth	cpr	prc	57	69	-	4	0.5	3.3		
7	Llandudno	c	air	55	70	Trace	0.5	1.0	6.0		
	Colwyn Bay	c	cpc	54	73	0.3	1	1.4	4.4		
	Rhyl	...cbbc	cpr	56	78	-	0.3	2.8	4.6		
8	Wallasey	...bc	cbccp	57	75	0.3	Trace	4.1	3.6		
	Southport	...opbc	beccp	55	75	0.5	0.3	5.2	5.4		
	Blackpool	...cbc	bece	55	74	1	0.3	4.5	6.4		
	Morecambe	bc	beir	57	74	0.5	Trace	4.1	8.0		
9	Ilkley	...abc	bccp	52	76	Trace	Trace	5.5	2.6		
	Harrogate	...bc	bcppb	52	75	Trace	Trace	5.6	1.6		
10	Berwick-on-T.	ocgc	bcc	54	62	Trace	0.4	3.9	3.9		
11	Dunbar	cm	cm	52	65	-	-	1.7	1.4		
12	Troon	...ocac	occp	53	64	1	0.5	0.2	1.4		
	Douglas	cm	cm	54	61	0.5	1	0.0	7.5		

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th July, 1939.

Districts.	Forecasts for the 24 hours commencing 12 Noon, G.M.T. 5th July, 1939.
1 S.E. England	
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
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 B.N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

Moderate south to southwest wind, fresh locally; bright intervals, showers, local thunderstorms; cool.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

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 off Northwest Ireland and another over the Irish Sea is moving north-northwest. There will be thunderstorms or thundery rain at first in the North followed by bright intervals and thundery showers. In the South there will be bright intervals and thundery showers.

FURTHER OUTLOOK.

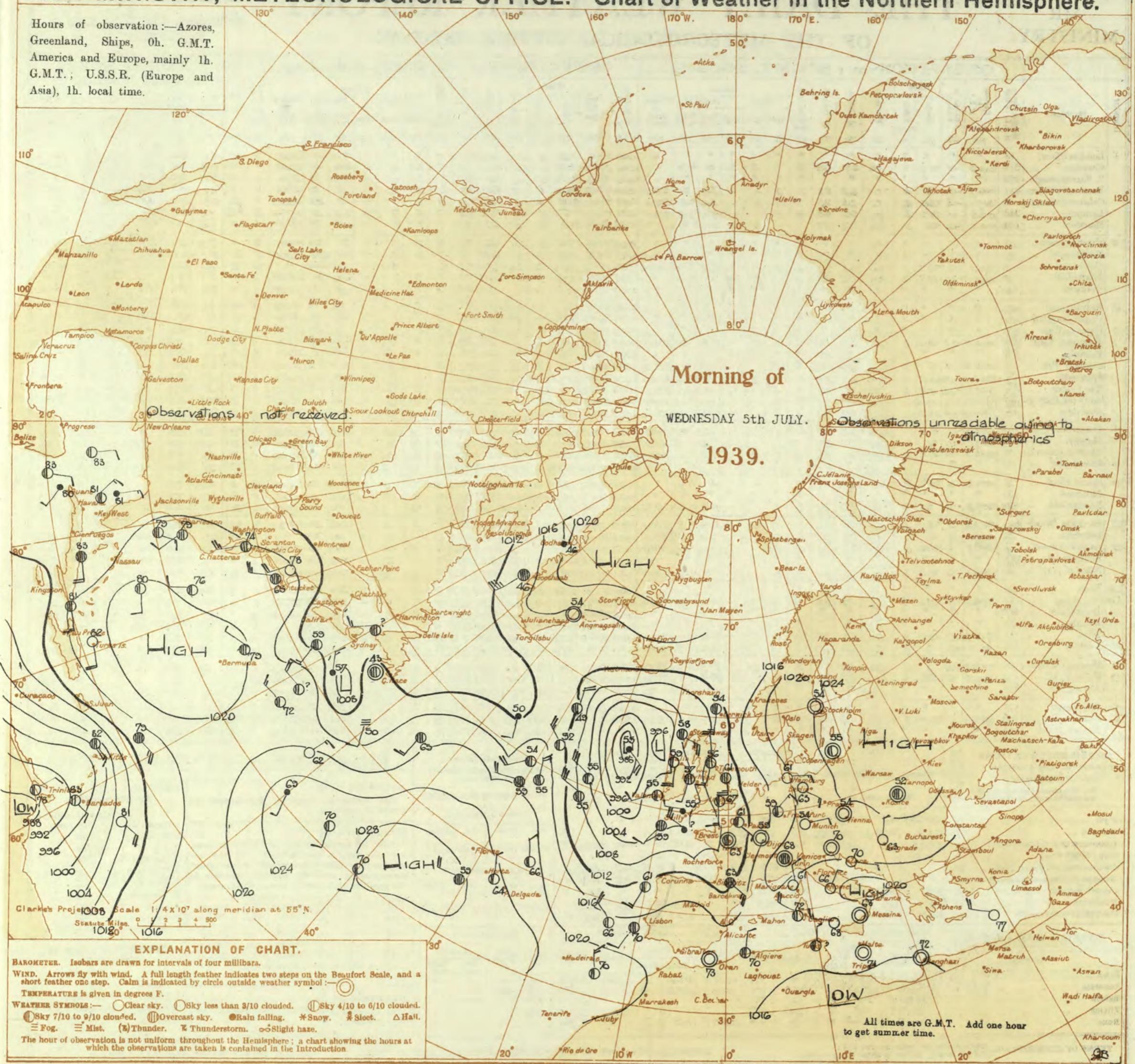
Unsettled; rain spreading from the Southwest.

L.D. Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 5th July, 1939
No. 28349

District.	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.	Wind.		Weather.	Temp. °F.	Humid.	Visibility 0-9	Cloud.						Barom. at M.S.L.	Wind.		Weather.	Temp. °F.	Humid.	Visibility 0-9	Cloud.						State of Ground.	Sea. 0-9	Temperature.				Rainfall.				Sun-shine All Hrs.				
				Change in 2 hours.	Dir. 0-12 Force.					Low	Med.	High	Amount.	Height of Base (feet)	Form.	Low	Med.	High	Amount.	Height of Base (feet)		Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass	Day 7h-18h mm.	Night 18h-7h mm.																	
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.0	-4	SSE	3	G6	85	7	G	2	-	7-8	10	1500	1	*	80	64	57	0.5	0.2	6.1	
	Croydon ...	217	1002.8	-12	SE's	3	bc	67	G5	8	-	3	3	0	4-6	-	1000.8	-6	SSE	3	G6	75	7	G	2	-	4-6	10	2500	1	*	79	64	59	1	0.1	6.4						
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.0	+G	SE'E	3	G1	97	7	G	2	-	7-8	10	800	1	*	78	60	59	1	2	7.5		
	Boscombe Down ...	417	1000.7	-10	SE	4	c	G2	92	7	5	4	-	7-8	9+	2500	1004.7	+2	SSE	4	G6	97	7	G	2	-	9	10	450	1	*	73	59	56	0.1	9	3.0						
	Calshot (Shmtn.) ...	8	1007.1	-14	SSE	2	c	G4	85	7	5	3	-	4-6	7-8	5700	1003.9	+10	SSE	4	G2	92	7	S	1	-	9	4	4000	1	2	65	61	60	0.4	9	2.6						
	Lymnne ...	346	1010.5	-14	SE's	4	bc	GG	GS	8	5	-	2-3	2-3	5700	1003.9	-2	S'W	2	c/r	G2	88	8	S	5	7	7	2-3	10	4000	0	3	75	62	61	0.4	9	8.7					
	Manston ...	154	1010.1	-14	SE	3	bc	G3	85	7	-	4	1	0	4-6	-	1008.0	-6	SSE	2	pr	G2	85	7	S	5	-	4-6	24	5700	1	*	75	61	57	1	0.1	6.5					
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.7	-4	S'E	3	c/r	GG	75	8	S	5	7	-	3	24	4000	0	*	73	62	57	1	Tr	6.1
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.7	-2	SE	3	c	GG	75	7	S	5	4	-	3	24	2500	0	2	71	59	59	1	Tr	7.1
	Gorleston ...	5	1011.1	-8	SE's	3	bc	G2	85	8	5	4	-	2-3	4-6	2500	1008.2	-12	SE's	3	bc	GS	85	G	5	2	-	0	4-6	-	0	0	2	65	61	55	1	Tr	6.4				
	Mildenhall ...	19	1002.1	-10	SE's	3	bc	G2	85	7	-	3	*	*	*	*	*	*	*	*	1005.0	-10	SSE	3	c/pr	G7	75	7	S	5	2	-	4-6	94	2500	1	*	77	61	55	1	Tr	5.8
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.0	-10	SE	3	ido	G2	85	G	5	-	10	10	4000	1	*	75	61	52	1	Tr	4.6		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.8	-10	SE	2	c/d	GG	97	G	6	-	-	10	10	800	1	*	74	59	57	1	Tr	12		
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.9	-12	SSE	4	c/pr	G1	92	7	G	1	-	9	9	1500	1	*	75	61	54	1	0.3	5		
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.2	-12	S'E	3	c	G1	92	7	G	1	-	9	9	1500	1	*	71	60	55	1	5	6.0		
6	Hartland Point ...	299	1002.9	-22	SSE	2	bc	59	97	7	G	2	-	7-8	9+	1500	1003.5	+22	NW	4	c	55	92	8	S	6	-	4-6	7-8	1500	1	3	67	55	54	2	27	2.9					
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.7	+G	SSE	3	dr	GG	92	G	5	2	-	7-8	10	800	1	*	72	59	55	0.1	3	2.4		
	Portland Bill ...	32	1005.9	-18	E	3	c	59	92	8	S	5	-	10	10	2500	1004.4	+4	SE	4	c	59	92	7	S	4	-	4-6	7-8	4000	1	4	63	58	58	3	3	0.4					
	Plymouth ...	82	1004.6	-18	SSE	3	RR	60	97	4	G	5	-	9	10	800	1004.7	+2G	WSW	3	c/r	57	92	6	G	7	-	7-8	10	800	1	1	67	56	54	1	8	0.7					
	The Lizard ...	240	1002.6	-24	S'E	2	rr	57	97	4	G	5	-	10	10	800	1004.7	+1G	S	3	c/pr	56	97	8	S	6	-	7-8	7-8	1500	1	3	62	53	53	4	22	0.7					
	Scilly (St. Mary's) ...	163	1003.0	-18	WNW	1	rr	55	97	7	G	5	-	10	10	1500	1003.6	+2	WSW	4	c/r	56	97	8	S	6	-	7-8	10	1500	1	3	63	54	54	4	8	0.0					
	Guernsey ...	175	1006.6	-14	SSE	2	tr	60	97	6	G	5	-	10	10	1500	1007.2	+10	SSW	4	c	57	97	8	S	4	-																

Page 1.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

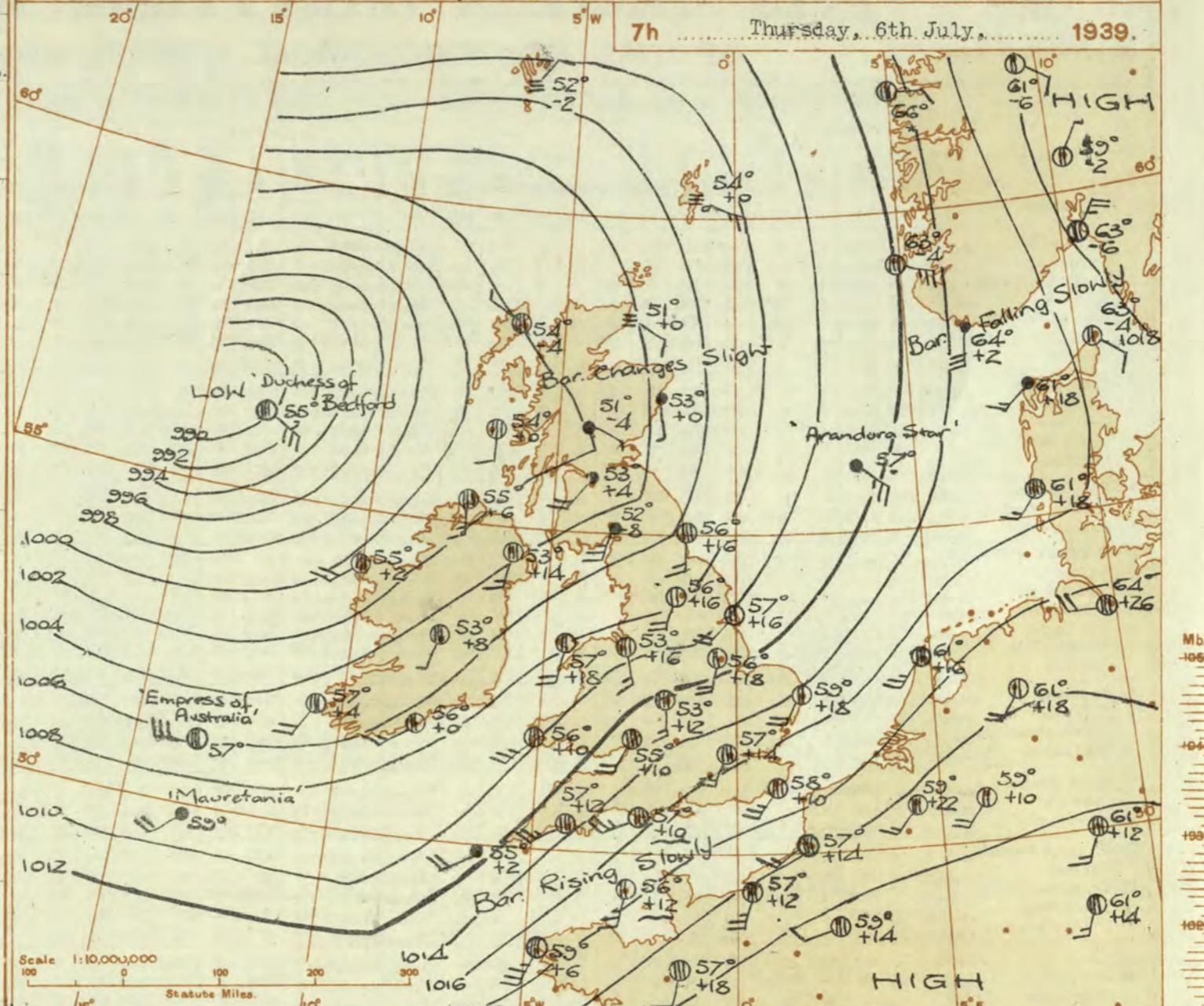
BRITISH SECTION
Thursday, 6th July, 1939.
No. 28350.

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 5th July												OBSERVATIONS at 18h. G.M.T. 5th July												PAST 24 HOURS.																
		Barom. mb.		Change in 3 hours.		Wind. 0-12 Dir.		Weather.		Temp. °C		Humid. %RH		Cloud. 0-8 Visiblity		Barom. mb.		Change in 3 hours.		Wind. 0-12 Dir.		Weather.		Temp. °C		Humid. %RH		Cloud. 0-9 Visiblity		Form.		Amount.		Height of Base (feet)		State of Ground.		Sea. 0-9	7h.-13h. 5th.	13h.-18h. 5th.	18h.-to 1h. 5th.	1h.-7h. 5th.
		(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) ...	10087	+20	SW	5	C	67	55	9	7	-	2	7-8	9	2500	10032	+4	S	3	C	65	75	8	8	2	-	7-8	9+	1500	1	*	cir, bcc	bcc, pr	cir, pr	cir, pr							
	Croydon ...	10089	+14	SSW	4	C	68	53	8	2	4	2	7-8	9	4000	10033	+2	S	4	C/r	62	75	9	3	7	3	4-G	9+	2500	1	*	circ	bccpr	PR, Lt								
	S. Farnborough	10088	+22	SSW	5	C	68	55	8	2	-	8	7-8	7-8	2500	10031	+10	S'W	4	C	65	75	9	8	7	8	7-8	9+	1500	0	*	cbeqv	bccpr	cpr, bcc								
	Bosecombe Down	10077	+14	SW	5	C/r	63	75	8	3	-	3	7-8	7-8	2500	10085	+8	SSW	4	C/r	57	85	7	3	1	2-3	7-8	1500	1	*	cigopg	cpr, PR	cir, bcc									
	Calshot (Soton.)	10089	+14	SSW	4	bq	65	75	8	2	7	3	2-3	2-3	2500	10087	+10	S'W	5	C/p	55	85	7	5	7	1	7-8	9+	2500	1	2	cpr	cpr, bcc	r, r, c								
	Lympne	10107	+10	SSW	4	C	68	75	8	3	-	6	7-8	9	1500	10117	+10	SSE	3	C/r	58	92	8	8	2	-	4-G	9+	1500	1	2	cpr	bccpr	cpr, bcc								
	Manston	10102	+14	SW	4	C	67	75	8	5	2	-	7-8	9+	1500	10110	+12	S'E	5	rr	59	91	G	5	2	-	9	9+	4000	1	*	cir	cir, rm	cr, m, ba	ccPR							
2	Shoeburyness	10054	+8	S'W	4	C	70	65	9	2	7	6	2-3	9	4000	10057	+14	S'W	4	C	65	75	8	7	-	-	10	10	1500	0	*	circ	cbeqv	cpr, c								
	Felixstowe	10085	+10	SSW	4	C	67	55	8	6	7	8	2-3	9+	800	10098	+12	S	4	bcc	67	75	8	5	3	2-3	4-G	2500	0	2	circ	cbeqv	bccpr	bb, b								
	Gorleston	10090	+16	S'W	4	C/r	67	75	6	8	7	-	4-G	10	2500	10091	+4	S	4	bcc	67	75	6	1	5	-	2-3	4-G	2500	0	3	cpr	cpr, bcc	cpr, bcc								
	Mildenhall	10071	+8	SW	5	C	70	65	7	8	2	-	4-G	7-8	2500	10087	+4	S'W	4	C	69	55	8	8	7	-	7-8	9	4000	0	*	cpr	cpr, bcc	cpr, bcc								
	Cranwell	10054	+2	S	4	C	69	65	8	1	1	-	7-8	9+	2500	10062	+6	SSW	3	C	67	55	8	8	7	-	4-G	7-8	2500	0	*	cpr	cpr, bcc	cpr, bcc								
3	Birmingham	10059	+12	SW	4	C	64	65	8	8	G	-	9	9+	1500	10061	+2	SSW	4	C	61	75	7	9	7	-	7-8	9+	1500	1	*	cpr	cpr	cPR								
4	Upper Heyford	10070	+16	SW	3	C/p	64	66	9	8	5	-	5	9+	1500	10072	+6	S	4	C	63	65	9	2	6	4	4-G	9+	1500	1	*	cir	cir, bcc	cir, bcc								
5	Ross-on-Wye	10060	+16	SW	3	bcc	66	65	8	8	G	-	4-G	4-G	1500	10069	+6	SSW	4	ir	56	92	7	9	-	-	10	10	2500	1	*	cpr	cpr	cpr, bcc								
	Hartland Point	10055	+10	SW	3	C/r	59	92	8	8	2	-	7-8	9+	1500	10052	-4	W	5	C/pr	58	85	7	8	-	-	9+	9+	1500	1	3	cpr	cpr	cpr, R, c								
	Bristol	10066	+10	SW	3	C/r	64	75	9	8	7	-	7-8	9	1500	10084	+0	SW	4	C/r	55	92	8	6	2	-	2-3	9+	1500	1	*	cpr	cpr	cpr, R, c								
	Portland Bill	10081	+14	S	4	C	59	52	8	5	4	-	7-8	10	4000	10080	+14	S	4	C	*	92	7	5	-	1	7-8	10	4000	1	4	cpr	cpr	cpr, R, PR								
	Plymouth	10063	+16	SE	3	C	58	92	7	6	2	-	3	10	800	10080	+6	SW	6	C/pr	58	92	7	9	7	-	9	9+	800	1	4	cir	cir	cpr, PR								
	The Lizard	10074	+20	SW	3	C	58	85	8	8	G	-	7-8	9+	1500	10092	+12	S'W	5	C/pr	57	85	8	8	6	-	4-G	7-8	2500	1	3	cpr	cpr	cpr, bcc								
	Scilly (St. Mary's)	10059	+14	WSW	5	bcc	62	85	8	8	G	-	2-3	4-G	1500	10083	+18	W	5	C/pr	57	92	8	8	4	3	4-G	7-8	1500	1	3	cpr	cpr	cpr, epqr								
	Guernsey	10087	+6	S'W	2	C/r	59	97	6	8	3	-	7-8	9	1500	10117	+16	SSW	5	bcc	59	85																				

REPORTS from HEALTH RESORTS for 5th July 1939.										
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (INCH.)		SUNSHINE. (HRS.)		
		Forenoon.	Afternoon.	Min. 9h. 5th	Max. 9h. 5th	Night. 9h. 5th	Day. 17h. 5th	Sunrise to 17h.	Sunrise to 17h.	Sunrise to Sunset.
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	obc bbcb tprcd cbcbr cbc	bbcop berc berc ber berge	61 58 58 60 60	71 66 64 65 64	2 2 1 1 2	Trace 4.5 4.8 4.8 5.8	7.4 4.2 4.1 7.1 3.5		
	Littlehampton Worthing ... Brighton ... Eastbourne† ... Hastings† ... Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	bc bbc b cbc obcbe ora roe odoc cfc	cpbc bbc ber cbc bebe obc cbc cbc be be	61 60 60 60 59 60 62 62 61 61	63 62 62 63 66 67 72 68 68	3 0.3 0.3 0.5 2 1 0.3 0.3 -	5.4 5.5 5.5 3.9 4.0 3.1 3.0 3.9 3.1	4.7 6.1 7.1 8.3 8.4 6.6 6.6 6.0 5.9		
2	Southend ... Clacton-on-Sea Dovercourt ... Lowestoft ... Skegness ... Mablethorpe ... Cleethorpes ...	orc circ bee	cbcc cbe bbc	62 62 63	72 68 69	0.3 Trace -	4.6 3.9 5.9	6.7 6.6 7.7		
3	Leamington S.	oe	c	61	70	4	-	4.2	4.9	
4	Cheltenham†	cpbce	cp	59	68	15	Trace	3.5	2.8	
5	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth ... Penzance ... St. Ives ... Bude ... Ilfracombe ...	cbcp eb rrcbc bce corpc oqerc rrqqc cbe cbe	bcc bcc cbc cbc croc croc cbe bcc bcc	61 58 59 57 54 54 54 55 55	68 64 59 53 52 52 53 61 68	-7 4 11 11 16 16 24 24 3	2.4 4.0 5.6 4.8 3.0 3.0 3.1 1.3 4.3	3.6 4.2 7.9 2.8 0.0 0.0 0.0 0.7 4.3		
6	Aberystwyth	cpbce	bcc	54	65	6	1	1.8	0.7	
7	Llandudno ... Colwyn Bay ... Rhyl ...	cbs cepbc cbs	bcc bccc bcc	60 59 60	66 68 69	3 1 0.6	4.4 3.0 3.0	1.0 1.4 2.8		
8	Wallasey ... Southport ... Blackpool ... Morecambe	cbe tlrbc cbe cbe	bcc bbcc bcc bcc	61 60 61 62	66 66 55 57	6 Trace 5 3	3.6 3.0 4.0 2.2	4.1 5.2 4.5 4.1		
9	Ilkley ... Harrogate ... Berwick-on-T.	orla cp cor	rlbc ptbc tlrc	58 58 58	70 * 60	15 2 1	3 4 3	3.1 2.6 1.4	5.5 5.6 3.9	
10	Dunbar ... Troon ... Douglas	cpctl rrorr cirbc	cpctl poobc b	54 58 55	67 53 60	8 2 11	1 16 0.3	1.7 1.6 5.7	1.7 0.2 0.0	

* Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. 5th.

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th July, 1939.

1 S.E. England	Fresh southwest wind, strong locally on coasts; rain at first, bright intervals and showers later; perhaps local thunder; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate southwest wind, decreasing temporarily then freshening again; rain at first, bright intervals and showers later; local thunder; rather cool.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B. N.W. Scotland.	Light to moderate south wind; bright intervals, showers; local thunder; rather cool.
14 Mid Scotland	
15 N. E. Scotland	Moderate southeast wind, fresh locally; occasional rain; cool.
16 Orkney and Shetland	
17 N. W. Ireland	Moderate southwest wind, fresh locally; bright intervals, showers, local thunder; rather cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

BAROMETER. Isobars are drawn at intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

A deep depression is centred to northwest of Ireland and a small depression near the Scilly Isles will move northeast. There will be bright intervals and thundery showers in the North. In the South there will be rain at first, followed by bright intervals and showers

FURTHER OUTLOOK.

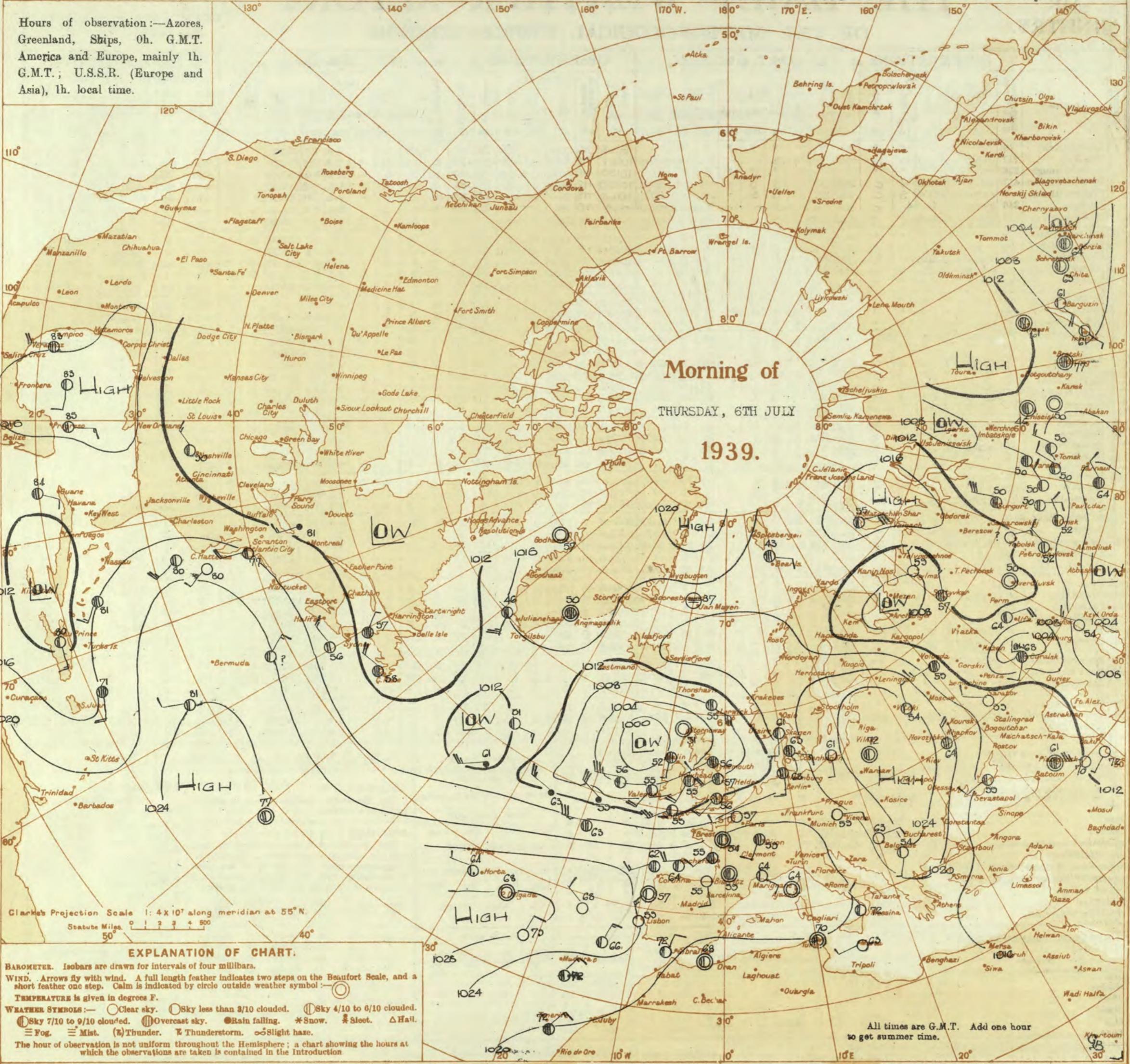
Unsettled.

L.D. Forecasts issued at 09.30 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

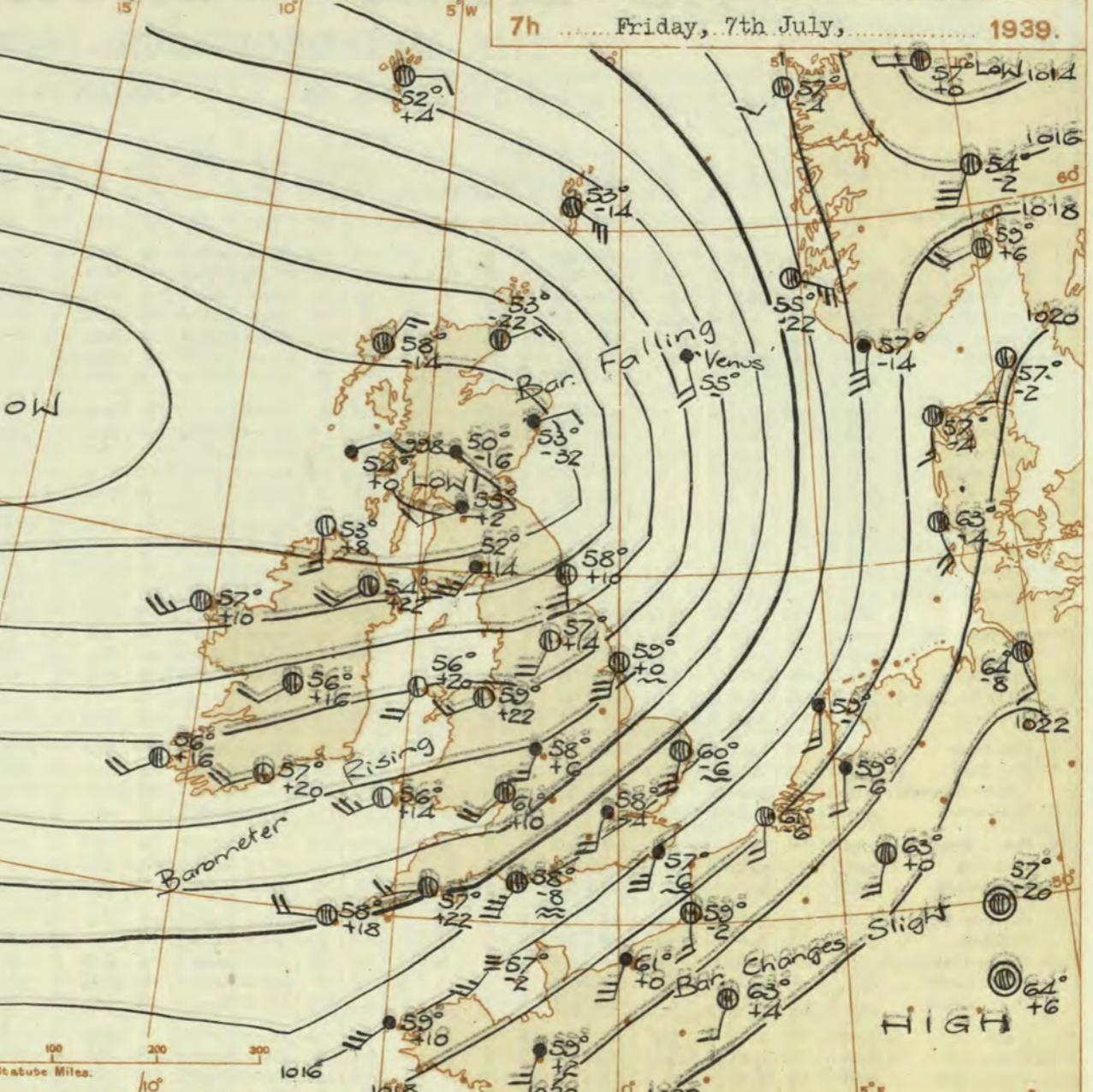
BRITISH SECTION
Friday, 7th July, 1939.
No. 28551.

DISTRICT.	OBSERVATIONS at 13h. G.M.T. July 6th												OBSERVATIONS at 18h. G.M.T. July 6th												PAST 24 HOURS.															
	STATIONS.	Barom. mb. (For heights see p. 4.)	Change in 3 hours.	Wind.			Temp. °F.	Humid. % 0-9	Cloud.			Barom. mb. M.S.L.	Change in 3 hours.	Wind.			Temp. °F.	Humid. % 0-9	Cloud.			Barom. mb. M.S.L.	Change in 3 hours.	Wind.			Temp. °F.	Humid. % 0-9	Cloud.			State of Ground.	Sea.	WEATHER.						
				Direc. (1)	Force (2)	0-12 (3)			Weather. (4)	0-9 (5)	Visibility (6)			Form (7)	Amount. (8)	Low (9)	Med. (10)	High (11)	Total (12)	0-10 (13)	Height of Base (feet) (14)	Form (15)	Amount. (16)	Low (17)	Med. (18)	High (19)	Total (20)	0-10 (21)	Height of Base (feet) (22)	Form. (23)	Amount. (24)	Low (25)	Med. (26)	High (27)	Total (28)	0-10 (29)	7h.-13h. (31)	13h.-18h. (32)	18h.-7h. (33)	1h.-7h. (34)
				Dir. (15)	Forc. (16)	0-12 (17)			Wthr. (18)	0-9 (19)	Visib. (20)			Form (21)	Amount. (22)	Low (23)	Med. (24)	High (25)	Total (26)	0-10 (27)	Height of Base (feet) (28)	Form. (29)	Amount. (30)	Low (31)	Med. (32)	High (33)	Total (34)	0-9 (35)	7h.-13h. (36)	13h.-18h. (37)	18h.-7h. (38)	1h.-7h. (39)								
1	London (Kew) ...	1017.0	+4	SSW	5	c/p	62	65	8	8	3	6	7.8	9+	2500	1016.0	-8	SSW	5	rora	59	85	7	5	-	10	10	1500	1	*	cir, cflc	cir, cr, ro	cro, cro, d	cro, cro, d	ro, r, d, d, d	ro, r, d, d, d				
	Croydon ...	1017.0	+4	S	5	c/pr	63	65	8	2	6	-	9	9+	2500	1016.7	-2	SSW	5	dod.	59	85	7	6	2	-	4.6	10	1500	1	*	PT&pr, pr	cpr, ro, d	cd, or, ro	ro, r, d, d, d	dod, d, d, d				
	S. Farnborough	1017.2	+6	SSW	5	pr	58	85	8	9	-	-	10	10	1500	1016.1	-2	SSW	5	dod.	58	97	6	6	2	-	9	10	800	1	*	prpk, pr	RDrnd	dr, d, r	rr, r, d, d, d	rr, r, d, d, d				
	Boscombe Down	1015.9	-2	S	5	r, r,	55	97	5	6	2	-	9	10	800	1014.9	+4	SSW	5	rr	57	97	6	6	2	-	9+	10	450	1	*	bccpr, ro	RRrr, rr	rr, r, d, d	rr, r, d, d, d	rr, r, d, d, d				
	Calshot (Soton.)	1017.5	+6	S	5	r, r,	58	62	6	6	2	-	9	10	450	1016.7	-2	SSW	6	rr	60	85	6	6	2	-	9	10	450	1	4	cpr, cr	rr, rr, rr	rr, r, d, d	rr, r, d, d, d	rr, r, d, d, d				
	Lympne	1019.6	+8	SW	5	c	63	65	8	2	9	-	4.6	9	1500	1018.9	-8	SSW	4	c	62	65	8	5	7	-	7.8	9+	4000	0	4	bccbc	bcc, bcc	cr, d, d	cr, d, d, d	rr, r, d, d, d				
	Manton	1018.9	+8	SSW	6	c	65	55	8	2	9	-	4.6	9	2500	1018.3	-6	S'W	5	c	64	65	8	5	7	-	7.8	9+	4000	1	*	cpr, c	cpr, c	cr, c	cr, c	rr, r, d, d				
2	Shoeburyness	1017.8	+4	SSW	5	c	67	55	8	8	-	2	7.8	9	2500	1017.5	-8	SSW	5	c	63	75	8	9	7	-	4.6	9+	1500	0	*	bccpe	cycpc	c, r, c	c, r, c	rr, r, d, d				
	Felixstowe	1017.6	+6	SSW	6	c	66	55	8	8	6	-	3	4.6	7.8	2500	1017.2	-6	SSW	6	rr	62	75	8	5	-	-	9+	9+	1500	1	4	bccpr	cpr, ir	ccr, r, r	ccr, r, r	rr, r, d, d			
	Gorleston	1016.3	+4	SSW	5	c/pr	67	66	6	6	-	-	9	2	2500	1015.7	-2	SSW	6	c	63	75	7	6	3	-	4.6	9+	2500	1	*	bccpr, q	cpr, q	ccr, r, r	ccr, r, r	rr, r, d, d				
	Mildenhall	1015.0	0	SSW	5	c	68	55	8	8	-	5	4.6	7.8	4000	1014.3	-10	S'W	5	c	60	85	7	5	2	-	9	10	1500	1	*	bccbc	bcc, r	ccr, r, r	ccr, r, r	rr, r, d, d				
	Cranwell	1012.8	-2	S	4	c	60	65	8	8	4	4	4.6	7.8	4000	1011.9	-4	SSE	4	c	58	85	8	5	1	-	9+	10	1500	0	*	cpr, c	cpr, c	ccr, r, r	ccr, r, r	rr, r, d, d				
3	Birmingham	1012.8	0	S	4	c	60	65	8	8	7	-	7.8	9	2500	1010.7	-10	SSW	3	rr	60	85	6	6	2	-	9	10	1500	1	*	cpr, bc	cpr, r	rr, r, d, d	rr, r, d, d	rr, r, d, d				
4	Upper Heyford	1014.6	+2	S'W	5	c/pr	59	75	7	8	7	-	4.6	10	1500	1013.3	-6	S'U	9	rr	59	92	7	6	2	-	10	10	800	1	*	bccpro	cpr, ir	rr, r, d, d	rr, r, d, d	rr, r, d, d				
	Ross-on-Wye	1012.5	-6	S	3	c/r	58	85	6	6	1	-	7.8	10	1500	1011.1	0	S'W	4	c	58	92	7	6	2	-	2-3	10	1500	1	*	cpr, bc	cpr, r	rr, r, d, d	rr, r, d, d	rr, r, d, d				
5	Hartland Point	1008.4	-32	SW	6	c	58	92	7	9	6	-	4.6	9	800	1009.6	-6	WSW	6	rr	58	97	7	6	2	-	9+	10	800	1	4	crr, c	crr, r	rr, r, d, d	rr, r, d, d	rr, r, d, d				
	Bristol	1013.2	-14	S	4	r, r,	56	92	7	6	2	-	7.8	10	800	1013.2	+4	SSW	4	rr	59	92	6	6	2	-	7.8	10	800	1	*	crr, r, r	crr, r, r	rr, r, d, d	rr, r, d, d	rr, r, d, d				
	Portland Bill	1014.4	-16	SW	6	c/pr	57	92	7	5	-	-																												

REPORTS from HEALTH RESORTS for 6th July 1939.									
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h. 5h.	Max. 9h.-17h.	Night. 17h. 5h.	Day. 9h.-17h.	Sunrise to 17h.	Sunrise to Sunset. 6th.
1 Tunbridge W.	bcc	cop	cop	52	65	6	0.5	4.4	4.7
Bournemouth	cor	r	53	63	0.3	8	2.7	4.9	
Ventnor	cbcop	o	55	62	0.3	2	3.2	5.2	
Southsea	oroc	c	57	63	Trace	5	3.8	6.3	
Bognor Regis	crmc	c	57	62	Trace	2	4.2	6.4	
Littlehampton	bcc	crc	56	62	3	2	4.8	6.4	
Worthing	bbcr	car	57	65	2	1	4.8	6.5	
Brighton	bcc	berer	57	64	Trace	0.5	4.6	*	
Eastbourne†	bc	bcpoc	57	65	1	0.3	5.4	4.2	
Hastings†	bbcc	opob	57	64	-	Trace	5.7	4.3	
Folkestone	bc	bcc	56	65	1	-	8.7	3.5	
Dover	bbc	bc	57	65	2	-	9.4	3.2	
Deal	bccbc	cbcco	*	67	2	-	9.4	3.9	
Ramsgate	cbe	c	56	64	1	-	7.3	3.3	
Margate	bcp	bcc	55	66	2	Trace	6.7	3.8	
2 Southend	cp	cp	55	68	Trace	Trace	4.1	4.6	
Claacton-on-Sea	bepbc	bccpc	55	66	0.4	1	4.8	4.9	
Dovercourt	pbc	bepoc	54	67	Trace	Trace	6.1	6.8	
Lowestoft	bbcc	crbcc	54	66	Trace	0.6	7.8	5.8	
Skegness	b	bbcs	54	69	-	-	9.0	5.5	
Mablethorpe...	bey	bcd	53	69	-	Trace	8.3	2.8	
Cleethorpes...	bc	bcabc	54	70	-	Trace	8.8	4.3	
3 Leamington S.	cbcc	cpc	52	65	4	0.3	4.5	4.3	
4 Cheltenham†	copc	rof	51	65	5	13	4.3	3.5	
5 Bath	cir	cir	53	69	2	4	4.2	2.4	
Weymouth	rr	rr	54	60	6	7	0.7	9.8	
Jersey	rebcc	bcc	56	66	3	-	5.9	6.6	
Torquay	omq	omq	52	60	9	9	1.1	5.2	
Falmouth	ogmqr	pgmrp	51	60	12	8	0.0	3.0	
Penzance	rgr	rgr	50	61	15	5	0.0	3.8	
St. Ives	...	...	52	60	2	7	2.6	2.9	
Bude...	bccp	cor	52	60	4	9	3.8	3.2	
Ilfracombe	bccp	rberr	52	62	4	-	5.8	6.0	
6 Aberystwyth	bcc	crr	55	65	-	2	3.8	2.0	
7 Llandudno	c	bcc	54	68	0.2	-	3.2	4.4	
Colwyn Bay...	bcc	cbcc	52	67	2	-	3.1	3.0	
Rhyl...	bcc	bcc	53	67	3	-	2.9	3.0	
8 Wallasey	bcc	cbccp	53	68	12	0.5	3.5	3.6	
Southport	pbepc	bccpo	53	68	6	1	4.2	3.1	
Blackpool	bbcap	cpoc	54	66	11	0.3	3.9	4.6	
Morecambe	bctr	bcc	54	65	11	0.5	3.4	2.5	
9 Ilkley...	cbcp	cpbc	53	67	2	2	5.6	4.3	
Harrogate	bcp	bcc	52	64	4	0.2	6.2	3.9	
10 Berwick-on-T.	cbc	bcc	52	64	4	Trace	5.0	2.5	
11 Dunbar	cr	bc	52	65	5	-	7.1	2.8	
12 Troon...	cbcc	coc	53	60	4	-	2.7	3.9	
Douglas	bepf	bc	52	59	1	Trace	6.0	7.3	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th July, 1939.

1 S.E. England	V	Fresh southwest wind, becoming strong later, perhaps gale locally on coasts; bright intervals and local showers at first, rain later; rather cool.
2 E. England ...		
3 E. Midlands ...		
4 W. Midlands ...		
5 S.W. England	V	
6 South Wales ...V		
7 North Wales ...		Moderate to fresh southwest wind, strong locally later; bright intervals and thundery showers at first, rain later; rather cool.
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. B. N.W. Scotland.		Moderate south wind; bright intervals, thundery showers; cool.
14 Mid Scotland		Moderate to fresh south to southeast wind; occasional rain; local thunder; cool.
15 N. E. Scotland		
16 Orkney and Shetland		
17 N. W. Ireland		Moderate to fresh southwest wind; bright intervals, thundery showers; cool.
18 N. E. Ireland		
19 S. E. Ireland		Moderate southwest wind; rain at first; bright intervals and showers later; cool.
20 S. W. Ireland		

H.M.S.O. Press, Cornwall House, G.L.T.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A depression remains centred off Northwest Ireland and another over Scotland is moving northnorthwest. There are indications of a depression moving eastwards about 700 miles west of the Scilly Isles. There will be thundery showers and bright intervals in Scotland. In England and Wales there will be bright intervals and showers at first and probably more general rain later.

FURTHER OUTLOOK.

Unsettled.

Time of Issue of Gale Warning.

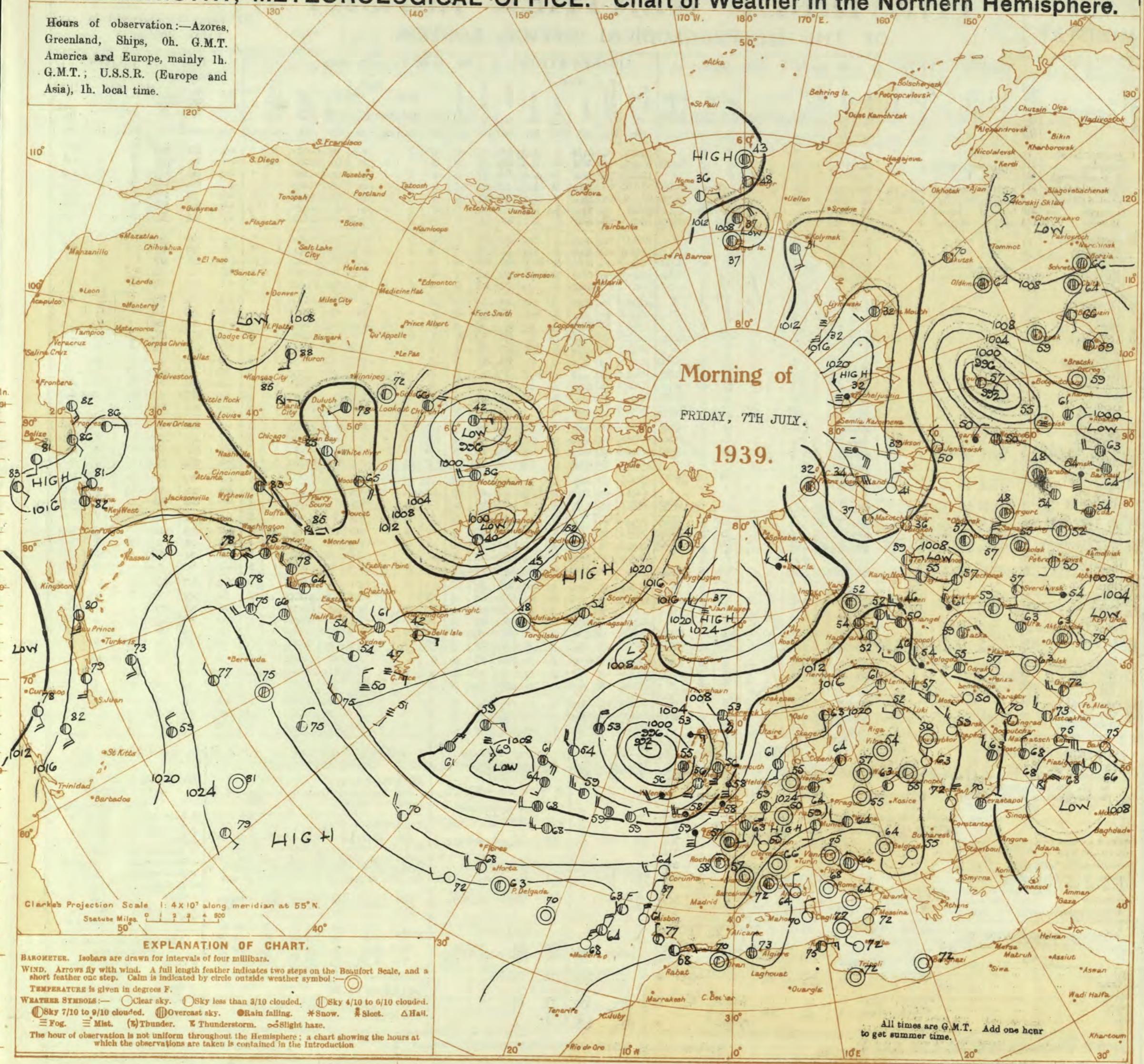
V South Cone hoisted at 0930 on 6th July in districts 1, 5, 6 and parts of 19 and 20.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 7th July, 1939.
No. 28351.

DISTRICT.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 7th July												OBSERVATIONS at 7 hr. G.M.T. 7th July												PAST 24 HOURS.												
		Height above M.S.L. in feet.	Barom. mb.	M.S.L.	Wind.			Temp. °F.	% Humid.	0-9 Visibility	Cloud.				Barom. mb.	Change in 3 hours.	Wind.	Temp. °F.	% Humid.	0-9 Visibility	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.			SUN-SHINE (6th Hrs.)					
					Dir.	Force.	Low				Med.	High	Low	0-10	Total	Height of Base (feet)	Dir.	Force.	Low		Med.	High	Low	0-10	Total	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	6	58	85	7	6	2	1000	1012-1	-6 SW	4	dod	59	92	6	6	2	-	7-8	10	1500	1	*	68	58	56	9	2	4-1
	Croydon ...	217	1015-7	-12	S3W	4	r.r.	*	*	*	6	2	-	9	10	1500	1013-5	-4 SW	4	dod	58	97	5	5	-	-	9	10	800	1	*	69	56	56	3	1	3-8	
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	6	2	-	9	*	*	*	1012-3	-4 SW	5	dod	58	97	6	6	2	-	9	10	450	1	*	64	56	55	8	4	2-3
	Boscombe Down ...	417	1012-8	-14	SSW	6	cirro	57	92	7	6	2	-	7-8	10	800	1011-2	+2 SSW	5	dod	58	97	5	6	2	-	9	10	220	1	*	61	56	55	7	7	2-3	
	Calshot (Stmtn.) ...	8	1014-8	-14	SW	6	cirro	60	85	7	5	-	-	10	10	2500	1012-8	-2 SSW	7	dod	59	92	6	6	2	-	9+	10	450	1	*	63	58	57	7	3	3-0	
	Lymnne ...	346	1017-6	-10	SWS	5	iro	58	85	7	-	2	-	10	10	5700	1015-9	-6 SSW	3	ido	57	85	5	6	2	-	9+	10	450	1	*	65	56	56	Tr	6-8		
	Manston ...	154	1016-8	-12	SSN	4	c	60	75	7	5	-	-	10	10	7200	1015-1	-8 SW	6	c	60	75	7	5	7	-	7-8	9+	800	1	*	67	58	56	Tr	6-4		
2	Shoebury Ness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	58	56	9	2	4-1		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	55	56	56	3	1	3-8	
	Gorleston ...	5	1015-2	-6 SW	5	r.r.	55	85	6	6	-	-	10	10	1500	1012-7	-6 SW	5	c/r	60	85	6	6	2	-	10	10	2500	1	*	68	58	57	1	3	2-1		
	Mildenhall ...	19	1012-3	-12 SSW	5	o	59	92	7	6	2	-	4-6	10	1500	1010-7	-6 SSW	5	c/pr	60	92	7	6	2	-	7-8	10	1500	1	*	69	58	56	0-3	2	6-6		
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-7	56	55	Tr	4	7-1			
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	56	55	54	1	11	3-7		
	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	64	55	55	5	11	*		
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	57	56	1	10	3-2			
5	Hartland Point ...	299	1006-2	-14 SW	7	rr	58	87	6	6	2	-	4-6	10	800	1008-0	+6 SSW	3	pr	58	97	8	6	-	-	9+	9+	800	1	*	62	56	54	1	11	3-7		
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6-8	63	56	56	8	6	4-1		
	Portland Bill ...	32	1012-6	-8 SW	7	c	57	92	7	5	-	-	10	10	2500	1011-3	-8 SW	7	o	58	92	7	5	-	-	10	10	1500	1	*	68	58	54	*	5	3		
	Plymouth ...	82	1010-4	-18 SW's	7	r.r.	57	97	5	6	2	-	9	10	450	1012-1	+22 WS	3	c/d	57	97	6	5	3	-	9+	9+	2500	1	*	53	57	56	17	5	1-0		
	The Lizard ...	240	1009-7	-16 S	7	r.r.	57	97	6	5	-	-	10	10	300	1013-0	+20 SSW	4	c	57	97	8	8	6	-	7-8	9+	1500	1	*	52	58	56	*	12	5		
	Scilly (St. Mary'a) ...	163	1008-6	-2 WSW	5	r.r.	58	87	6	5	-	-	10	10	1500	1011-7	+18 N	4	F	57	97	8	8	6	-	10	10	1500	1	*	55	57	57	6	3	0-0		
	Guernsey ...	175	1015-6	-16 SW	6	o/r	56	97	7	5	-	-	10	10	2500	1014-8	-2 SW	5	o/r	57	97	0	5	-	-	10	10	1500	1	*	62	52	52	0-2	1	3-6		
6	Pembroke ...	142	1005-8	+6 WSW	6	oq	57	97	7	5	2	-	10	10	1500	1008-6	+14 W8	5	bcd	56	92	7	7	2	-	4-6	4-6	2500	1	*	61	55	*	10	10	3-3		
7	Holyhead ...	26	1001-0	-12 SSW	4	c/d	56	92	7	6	2	-	9	10	800	1004-8	+20 SWS	4	bc	56	85	8	5	4	-	2-3	2-3	2500	1	*	62	53	51	11	4-3			
8	Chester (Sealand) ...	18	1003-5	-22 SSE	3	c/r	58	92	8	6	2</																											

Page 1.
**AIR
MINISTRY.**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 8th July, 1939.
No. 28352.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

- 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, low fog over sea (coast station).
- fg, low fog over land (inland station).
- m, mist, visibility 1100-2200 yds.
- h, hail. i, intermittent.
- jf, fog at a distance, but not at station.
- ip, precipitation within sight of station.

q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, 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
 R, heavy rain. r_o, slight rain.

COLUMNS 9, 23.—FORM OF LOW CL

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- | | | |
|---|---|-----|
| 0 | No medium clouds. | 0 |
| 1 | Typical As (thin). | 1 |
| 2 | Typical As (thick) (sun or moon invisible), or
Nimbostratus (Ns). | 2 |
| 3 | Single layer of Ac or high Sc. | 3 |
| 4 | Ac in isolated patches. Individually de-
creasing (often lenticular). | 4 |
| 5 | Ac in bands (increasing). | 5 |
| 6 | Ac formed from the spreading out of Cu. | 6 |
| 7 | Ac associated with As or As with parts
resembling Ac. | 7 |
| 8 | Ac Castellatus (or Ac in ragged fragments). | 8 |
| 9 | Ac in several layers generally associated with
fibrous veils and a chaotic appearance
of the sky. | 9 |
| | | (0) |

**COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.**

- No cirriform cloud.
 Fine Ci not increasing : sparse.
 Fine Ci not increasing : abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing : usually in tufts.
 Ci or Cs increasing : still below 45° altitude : often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude : often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Cc predominating, and a little cirrus.
 c may occur with any of the types 1 to 8.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

The total amount of all forms of cloud.
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 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—

COLUMN 29.—STATE OF GROUND.

- | | | | |
|------|-------------------------------------|------|---|
| 0 .. | Ground dry. | 7 .. | Ground covered with snow, less than 6 ins., deep but ground not frozen. |
| 1 .. | " wet. | 8 .. | covered with snow, less than 6 ins., but ground frozen. |
| 2 .. | " flooded. | 9 .. | covered with snow greater than 6 ins. deep. |
| 3 .. | " frozen hard and dry. | | |
| 4 .. | " partly covered with snow or hail. | | |
| 5 .. | " covered with ice or glazed frost. | | |
| 6 .. | " covered with thawing snow. | | Fresh snow has fallen in the mountains. |

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.

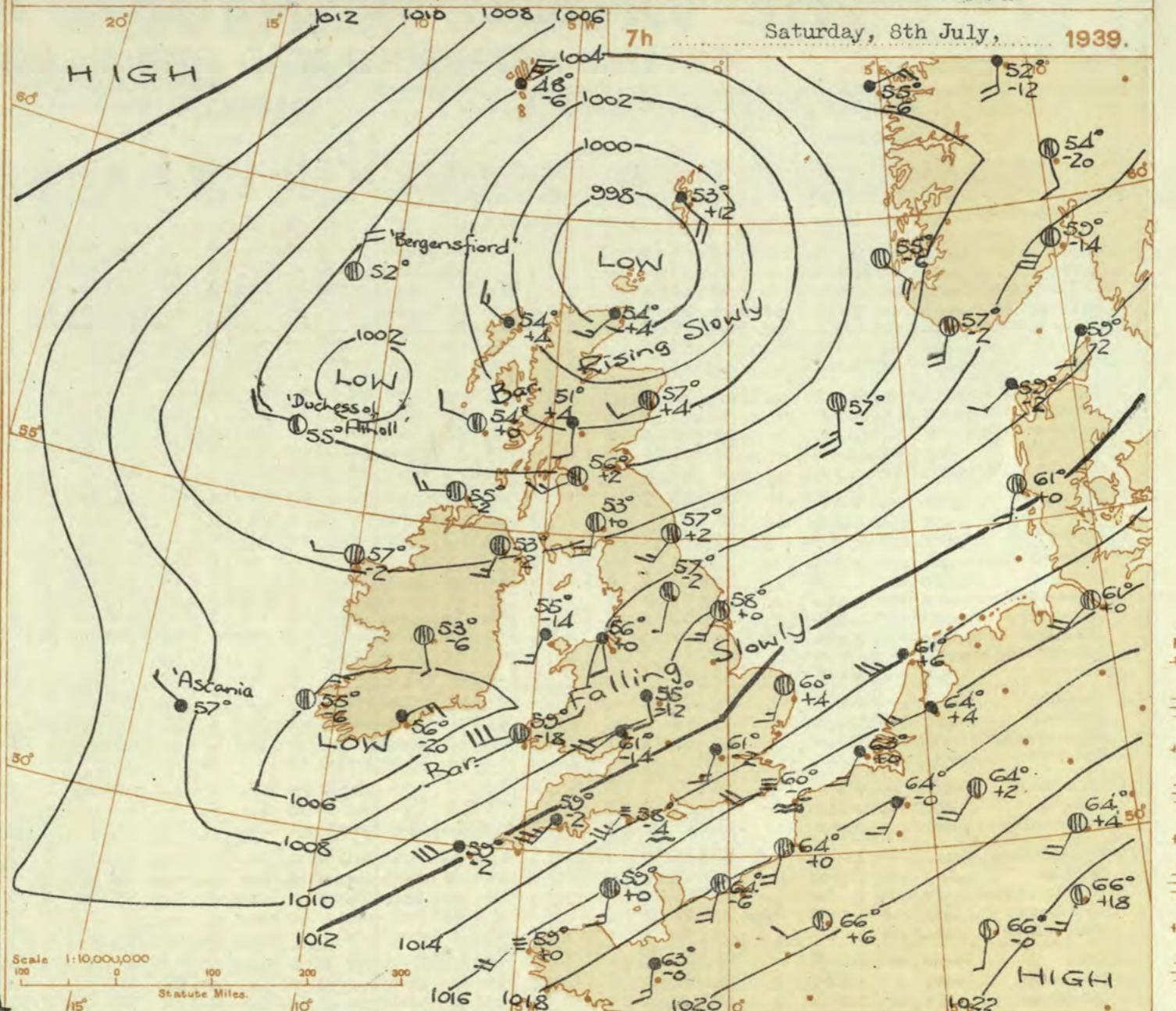
Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 7th July 1939.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h. 6th.	Max. 9h. 7th.	Night. 17h. to 9h. 7th.	Day. 7th.	Sunrise to 7th.	Sunrise to Sunset.
1	Tunbridge W.	ordo	odbcc	56	67	4	0.5	1.4	4.4
	Bournemouth	o	bcc	56	66	7	-	1.3	2.7
	Ventnor	... ormo	dcof	55	61	2	0.5	0.2	3.2
	Southsea	... oroc	coc	57	67	2	Trace	2.5	5.8
	Bognor Regis	rooc	ber	57	62	2	Trace	1.7	4.2
	Littlehampton	orofo	odbcc	57	68	2	0.1	1.0	4.8
	Worthing	... oid	cdbcc	58	64	1	0.3	0.8	4.8
	Brighton	... ced	dc	58	62	1	0.1	0.2	4.6
	Eastbourne†	... ddo	ddo	58	61	1	0.4	0.0	5.4
	Hastings†	... oddo	dddm	57	62	1	0.3	0.0	5.7
	Folkestone	... oido	oidmo	58	62	Trace	Trace	0.0	8.7
	Dover	... oid	oid	58	61	Trace	Trace	0.0	9.4
	Deal	... codd	ddodo	*	63	Trace	Trace	0.5	9.5
	Ramsgate	... cdo	oc	58	63	-	-	0.6	7.4
	Margate	... cdoo	c	59	66	-	Trace	1.4	7.0
2	Southend	... odc	cbbc	59	71	Trace	Trace	4.1	4.1
	Clacton-on-Sea	c	cbc	59	67	1	-	4.5	4.8
	Dovercourt	... roc	bcr	56	70	3	-	3.3	6.1
	Lowestoft	... edrcr	cbe	58	67	2	0.2	2.7	7.8
	Skegness	... orocb	bcc	57	71	5	-	4.7	9.0
	Mablethorpe...	obe	bcco	57	71	7	-	4.8	8.3
	Cleethorpes...	bcrbc	bc	57	71	3	2	6.1	9.0
3	Leamington S.	c	cbbc	57	70	13	-	7.2	4.5
4	Cheltenham†	cbc	bc	51	68	27	-	7.0	4.3
5	Bath	... cbc	cbeb	56	70	5	-	6.6	4.2
	Weymouth	... cb	bcb	55	65	6	-	5.2	0.7
	Jersey	... pdcc	cr	59	63	0.6	3	0.0	5.9
	Torquay	... eqabc	bqv	56	68	9	*	7.0	1.1
	Falmouth	... ocvco	roovc	55	66	11	Trace	6.7	0.0
	Penzance	... b,c	bcb,c	57	65	6	-	5.6	0.0
	St. Ives	...		59	64	7	-	8.7	2.6
	Bude...	... bc	bc	59	65	31	-	8.9	3.8
	Ilfracombe	... rroc	bcbbc	57	65	-	-	-	-
6	Aberystwyth	prbcc	bcc	57	63	16	-	6.5	3.8
7	Llandudno	c	bcc	56	66	5	-	4.0	3.2
	Colwyn Bay...	bccbc	bcc	56	66	6	-	4.9	3.1
	Rhyl	... bccbc	bcc	55	65	7	-	5.6	2.9
8	Wallasey	... bccp	bccbc	*	66	7	1	2.5	3.5
	Southport	... cbc	bccbc	57	67	14	-	4.1	4.2
	Blackpool	... cbcb	bcc	55	64	12	-	3.7	3.9
	Morecambe	... cbc	bcc	55	63	13	Trace	4.5	3.4
9	Ilkley...	... orep	bepc	55	65	5	0.2	5.3	5.6
	Harrogate	... bccp	c	53	62	7	0.3	3.0	6.2
10	Berwick-on-T.	... cbc	bc	53	65	6	-	7.0	5.6
11	Dunbar	... cpr	cpr	53	66	8	2	6.1	7.7
12	Troon...	... bccpo	pocbc	54	60	13	0.3	3.6	2.7
	Douglas	... bcir	c	52	62	7	Trace	6.7	6.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th July, 1939.
1 S.E. England	Fresh southwest wind, strong locally on coast, decreasing later; dull, occasional rain or drizzle; local coast fog; rather warm and close inland.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate to fresh south wind veering northwest later; rain at first, bright intervals and showers later; cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Moderate northwest wind, fresh locally; bright intervals, showers, local thunderstorms; cool.
13 { A. W. Scotld. B. N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Moderate northwest wind; bright intervals, showers; cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

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 off North Scotland and another south of Ireland is moving northeast. Weather will be unsettled generally with some rain in most districts.

FURTHER OUTLOOK.

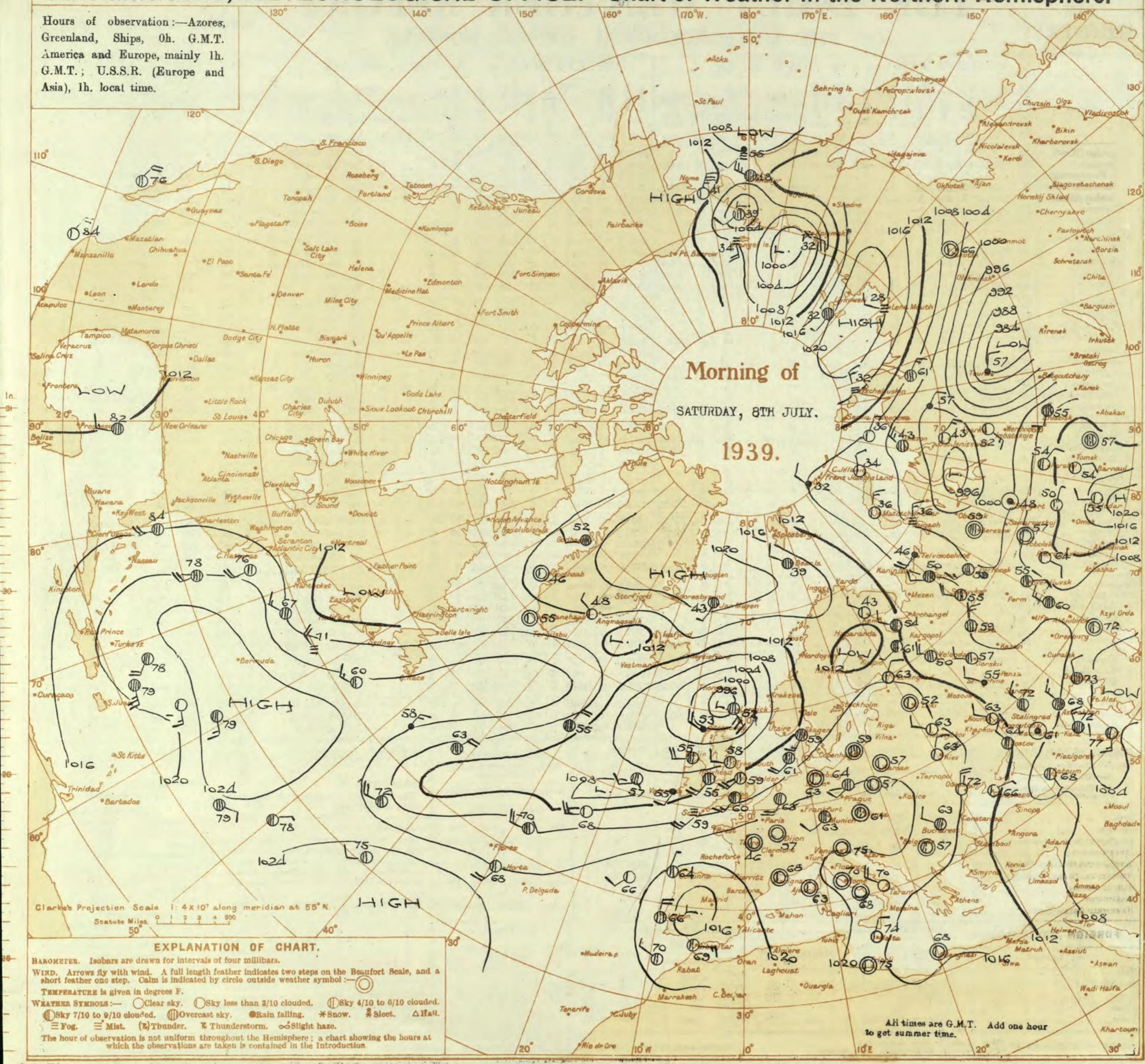
Bright intervals and showers in the North; occasional rain in the South.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

Forecasts issued at 0930 G.M.T.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 8th July, 1939.
No. 28352.

District.	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. mb.	Change in 3 hours.	Wind.			Temp. °F.	Humid. %	0-9 Visibility.	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.			Temp. °F.	Humid. %	0-9 Visibility.	Cloud.						State of Ground.	Sea. 0-9	TEMPERATURE.				RAINFALL.				SUN-SHINE 7th Hrs.
					Dir.	0-12	Forces.				Form.	Low	Med.	High	0-10	Total	Height of Base. (feet)		Dir.	0-12	Forces.	Weather.			Low	Med.	High	0-10	Total	Height of Base. (feet)	7h-18h mm.	18h-7h mm.	Day mm.	Night mm.							
1	London (Kew) ...	18	* * * * *	* * * * *	c/r	60	85	8	5	7	-	2-3	10	1500	1013-3 -6	SW	4	C	62	85	7	5	-	-	10	10	2500	O	*	70	55	56	Tr	-	3-1						
	Croydon ...	217	1015-2 +2	SW3	3	c/r	60	85	8	5	7	-	2-3	10	1500	1014-0 -2	SSW	3	id.	61	92	8	5	2	-	9	10	800	I	*	70	58	56	0-3	Tr	7-8					
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	1013-4 0	SW	4	id.	60	97	6	5	-	-	10	10	450	I	*	70	57	54	0-1	Tr	8-3						
	Boscombe Down ...	417	1015-1 -2	SSW	2	ir.	58	92	7	5	3	-	7-8	10	1500	1012-8 -6	SSW	4	at.	50	97	3	5	-	-	10	10	220	I	*	69	55	54	1	0-1	9-0					
	Calshot (St. Helens) ...	8	1015-9 -2	SW	3	d/d.	59	97	5	-	2	-	10	10	1500	1014-3 -2	SW	5	ir.	60	97	6	2	-	-	10	10	150	I	2-7	59	59	0-2	1	4-3						
	Lymne ...	346	1016-6 +2	SW	3	Zo	58	92	6	5	-	-	10	10	450	1015-5 -6	SW	4	F	60	97	1	-	-	-	10	10	150	O	3-6	60	58	0-2	Tr	0-0						
	Manston ...	154	1015-5 -2	SW	3	c	59	92	7	-	3	-	0	9+	-	1014-7 -2	SW	4	C	62	92	7	5	-	-	9+	9+	800	I	*	65	58	56	Tr	2-1						
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1014-2 -4	SSW	4	id.	63	92	8	5	-	-	10	10	800	O	*	70	55	53	Tr	Tr	3-8						
	Felixstowe ...	15	1014-6 +6	NSW	5	bc	60	85	8	5	3	-	4-6	4-6	4000	1014-0 -2	SSW	4	c/r	62	92	8	5	-	-	10	10	1500	O	3	69	59	57	0-1	6-2						
	Gorleston ...	5	1013-2 +6	SW	3	c	60	85	8	5	-	-	5+	5+	2500	1013-7 +4	SSW	3	c	60	85	7	5	-	-	9+	9+	2500	O	2	71	58	56	0-1	Tr	3-4					
	Mildenhall ...	19	1013-6 +6	SW	3	c	59	92	8	5	3	-	7-8	9	4000	1011-5 -10	SW	3	dr	62	92	7	5	-	-	10	10	1500	I	*	74	57	53	-	Tr	5-7					
	Cranwell ...	240	1012-0 +6	SSW	3	bc	55	85	7	5	3	r	2-3	4000	1010-7 -8	SSW	2	dr	56	92	5	2	-	-	0	10	1500	I	*	70	53	52	0-2	0-6	4-8						
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	1009-8 -12	SSE	2	rr	55	97	4	6	-	-	10	10	450	I	*	67	55	52	Tr	3	67						
	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	1011-4 -16	SW	4	c/d	60	97	7	6	-	-	10	10	450	I	*	69	55	52	1	0-1	6-8						
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1009-8 -14	SW	4	r/r	61	97	6	-	-	-	10	10	800	I	*	67	56	54	-	2	6-8						
5	Hartland Point ...	299	102-2 -8	W	3	r/r	59	97	3	-	-	-	10	10	1500	1010-2 -6	W	6	rf	55	97	3	-	-	-	10	10	1500	I	4	60	57	56	Tr	0-5	3-8					
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	1011-4 -8	SSW	4	c/r	62	92	8	5	-	-	10	10	800	I	*	68	56	52	0-1	1	8-8						
	Portland Bill ...	32	1015-7 -6	NSW	4	f	58	92	2	5	-	-	10	10	1500	1014-2 -4	SW	5	of	58	92	3	7	-	-	10	10	1500	I	4	60	55	*	1	Tr	-					
	Plymouth ...	82	1014-5 -17	SW	3	f	59	97	1	-	-	-	10	10	1500	1013-1 -2	SW	5	id.	59	97	5	-	-	-	10	10	1500	I	3	62	58	58	Tr	0-6	7-6					
	The Lizard ...	240	1014-6 -8	SSW	5	df	59	97	2	5	-	-	10	10	450	1013-6 0	SW	5	c	58	97	7	5	-	-	9	10	1500	I	3	63	57	*	0-5	10	6-2					
	Scilly (St. Mary's) ...	163	1015-0 -12	SW	5	f	59	97	3	5	-	-	10	10	1500	1011-7 -2	SW	5	o	59	97	8	5	-	-	10	10	1500	I	3	64	59	*	0-1	1	7-8					
	Guernsey ...	175	1017-4 -6	SSW	5	c	59	97	1	-	-	-	10	10	1500	1016-5 0	SW	5	o	59	97	8	5	-	-	10	10	450	I	3	60	58	58	1	2	0-0					
6	Pembroke ...	142	1012-2 0	SW	4	c	57	97	7	8	2	-	7-8	10	1500	1008-0 -18	NSW	6	0g	55	97	6	5																		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 9th July, 1939.
No. 28353

District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 8th July												OBSERVATIONS at 18h. G.M.T. 8th July												PAST 24 HOURS									
		Barom. mb.	M.S.L.	Change in 3 hours.	Wind.		Temp.	Humid.	Cloud.						Barom. mb.	M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Cloud.						State of Ground.	Sea. 0-9	WEATHER.				
					Direc.	Force 0-12			Wind.	Dir.	Force 0-12	Wind.	Form	Amount	Height of Base (feet)			Low	Med.	High	0-10	Total 0-10	Low	Med.	High	0-10	Total 0-10	7h.-13h.			13h.-18h.	18h.-8h. to 1h.-7h.			
(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) ...	1012.0	+8	SW	5	C	65	75	8	5	-	-	10	10	2500	1009.8	-16	SW	5	c/pr	63	85	8	5	2	-	7-8	10	1500	1	*	c	c/pr/c	bc	
	Croydon ...	1012.9	-6	SW's	5	C	65	75	8	5	-	-	9	10	1500	1011.2	-10	SW's	5	c	64	65	9	5	3	-	9	9	1500	1	*	cido,dod	cido,ir,c	cbc	
	S. Farnborough	1012.3	-16	SSW	5	C	64	75	8	5	-	-	10	10	1500	1010.3	-10	SSW	5	ido	62	85	7	5	-	-	10	10	1500	1	*	cido,c	ro,ido,c	bw	
	Boscombe Down	1011.8	-10	SW's	6	d,d.	60	92	6	5	-	-	10	10	800	1009.9	-14	SW's	5	c/r	60	97	6	6	2	-	9	10	450	1	*	dfr,roid	err,ire	erb,bc,b	
	Calshot (Soton.)	1013.7	-6	SW's	5	ir,	61	92	7	5	2	-	9	10	450	1011.9	-14	SSW	5	ir,	62	85	7	5	7	-	7-8	10	800	1	3	cir,ir	cir,c	erb,rm,c,cb	
	Lyminge ...	1014.8	-6	SW	5	q/d	63	92	8	5	-	-	10	10	450	1012.8	-16	SSW	5	c	63	75	9	5	3	-	4-6	7-8	2500	0	3	Fed,mo	cpr,od,dm	cm,c,b	
	Manston ...	1013.4	-12	SSW	5	o/d	66	85	7	5	-	-	10	10	800	1011.5	-8	SSW	5	c	66	75	8	5	3	-	4-6	9	1500	1	*	cido,m	cbc	bc,wbc	
2	Shoeburyness ...	1012.6	-10	SW's	5	C	69	75	8	5	-	-	9	10	1500	1010.8	-8	SW	4	C	66	75	8	5	3	-	2-3	9	1500	0	4*	id,c	proc	c,b	
	Felixstowe ...	1011.8	-2	SW'U	6	C	68	75	8	5	-	-	10	10	1500	1009.9	-10	VSU	6	C	66	75	8	5	3	-	4-6	7-8	1500	0	3	cido,ir,o	cdo,air,ob	cbc	
	Gorleston ...	1009.8	-10	SW's	4	c/pr	68	75	6	6	2	-	46	10	2500	1008.0	-18	SSW	5	C	65	75	7	8	2	-	4-6	7-8	2500	1	3	cpr,o	cpr,q	cbc	
	Mildenhall ...	1009.9	-2	SW	5	c/d	66	92	7	5	-	-	10	10	1500	1007.5	-10	SW's	5	c/r	65	85	8	5	-	-	9	9	2500	1	*	cdo,c	cdir,ir,b	bbv	
	Cranwell ...	1007.2	-12	SW	5	rr,	64	92	7	5	-	-	10	10	800	1004.3	-22	SSW	5	bc	65	85	8	8	6	-	2-3	4-6	1500	1	*	oc,romo	oc,romo	bc,w	
3	Birmingham ...	1007.6	-10	SSW	4	ir,	61	97	6	6	-	-	10	10	450	1005.7	-8	SSW	3	c/pr	61	97	6	6	-	-	9+	9+	800	1	*	o,rir	ro,ir,c	erb,bb	
4	Upper Heyford	1010.2	-10	SSW	5	C	65	75	8	5	-	-	10	10	1500	1008.1	-12	SSW	5	C	62	85	8	5	2	-	9	10	800	1	*	cr,dod,c	cir,ir,c	erb,bb,fb	
	Ross-on-Wye ...	1008.8	-10	SW	4	rr,	61	92	5	6	-	-	10	10	800	1006.8	-18	SW	4	c/r	62	92	8	6	-	-	9+	9+	1500	1	*	ro,sod,od,r	rr,od,rr,rr	bbc	
5	Hartland Point	1007.7	-10	W	6	rr	59	97	6	6	2	-	7-8	10	800	1007.9	-16	W	5	C	59	97	6	6	2	-	7-8	10	800	1	4	ff,rr	rr,fc	bbc	
	Bristol ...	1010.4	-10	SW's	4	rr	63	85	7	5	2	-	9	10	1500	1008.6	-8	SW	4	ir	62	92	6	6	-	-	10	10	450	1	*	cdo,cr	cr,rr,c	cbc	
	Portland Bill ...	1013.1	-10	SW	5	o	58	92	7	5	-	-	10	10	1500	1011.8	-12	SW	5	o	58	92	7	5	-	-	10	10	1500	1	4	o	opr	cbc	
	Plymouth ...	1012.2	-6	SSW	5	o/r	59	97	6	5	-	-	10	10	450	1010.5	-4	SSW	5	z	60	97	6	5	-	-	9	9	450	1	3	oid,m,lt,	air,rr,dd	cbc,wc	
	The Lizard ...	1012.0	-10	SSW	5	C	60	97	5	5	-	-	10	10	1500	1011.6	+6	SSW	5	C	59	97	6	5	2	-	9	10	1500	1	3	err,c	rr,rc	cbc,wn	
	Scilly (St. Mary's) ...	1010.1	-8	SW'U	6	id,o	60	97	5	5	-	-	10	10	800	1010.8	+6	W'S	5	C	61	97	7	5	2	-	9+	9+	1500	1	3	15,oid,em	oid,c	cp,bbc	
	Guernsey ...	1015.2	-8	SW	3	C	62	92	8	5	3	-	7-8	9	1500	1013.9	-10	WSW	5	c	60	85	8	5	3	-	7-8	10	1500	1	4	oc	cr,fi,d	c	
6	Pembroke ...	1007.0	-2	WSW	7	dod.	59	97	5	5	-	-</td																							

REPORTS from HEALTH RESORTS for 8th July 1939.									
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h. 7th	Max. 9h.-17h.	Night. 17h.-8th	Day. 9h.-17h.	Sunrise to 17h.	Sunrise to Sunset. 8th.
1	Tunbridge W.	o	oc	58	65	0.5	-	0.5	1.7
	Bournemouth	o	roc	58	63	0.3	0.5	0.0	2.3
	Ventnor	odf	fo	57	62	1	Trace	0.0	0.2
	Southsea	o	oc	59	64	Trace	-	0.0	3.4
	Bognor Regis	oir.	ocbc	57	63	0.3	Trace	0.5	1.7
	Littlehampton	odoc	coc	59	64	0.3	Trace	0.8	1.1
	Worthing	o	oc	60	63	0.3	-	0.0	1.0
	Brighton	c	cdc	59	63	0.2	Trace	0.0	0.2
	Eastbourne†	od.	oc	58	65	1	Trace	1.1	0.0
	Hastings†	oc	bc	58	67	1	-	1.1	0.0
	Folkestone	m.o	od	58	66	Trace	Trace	0.8	0.0
	Dover	odo	ocbc	59	65	Trace	Trace	1.4	0.0
	Deal	dd	dooc	*	*	*	*	1.6	0.9
	Ramsgate	oc	c	58	67	-	-	0.3	1.7
	Margate	c	c	59	69	-	Trace	0.8	3.2
2	Southend	oco	oc	58	69	-	-	0.2	6.2
	Clacton-on-Sea	c	crc	59	67	-	Trace	0.0	6.0
	Dovercourt	oco	bcc	58	69	-	-	0.1	4.7
	Lowestoft	cdir	circ	57	69	Trace	1	0.0	3.5
	Skegness	orto	or	54	67	9	5	0.0	5.0
	Mablethorpe	orr	orcp	54	66	4	2	0.0	4.8
	Cleethorpes	circ	crbc	55	66	2	3	0.2	6.3
3	Leamington S.	or	or	56	64	4	9	0.0	7.2
4	Cheltenham†	op.c	cor.s	56	64	4	Trace	0.0	8.1
5	Bath	rc	rc	59	66	1	1	0.1	6.7
	Weymouth	fmc	cir.	58	62	0.1	0.3	0.0	6.5
	Jersey	pc	cbcc	60	67	Trace	-	1.4	0.0
	Torquay	copq	ordqm	60	64	2	2	0.2	7.8
	Falmouth	rrmo	rrtq	59	61	3	2	0.0	6.7
	Penzance	mcpc	cqpc	59	64	1	2	0.7	6.0
	St. Ives								
	Bude	cdr	orbcc	59	63	3	6	0.3	10.0
	Ifracombe	orr	rro	59	62	16	6	0.0	9.3
6	Aberystwyth	crr	rrpr	54	63	16	7	0.0	6.5
7	Llandudno	crr	rrrc	56	60	2	17	0.0	9.3
	Colwyn Bay	rrrr	rrpc	55	61	3	14	0.0	4.9
	Rhyl	prcr	prcr	56	61	4	17	0.0	5.6
8	Wallasey	ror	rhc	56	60	3	18	0.1	2.5
	Southport	or	rror	56	61	1	11	0.0	4.1
	Blackpool	orc	rfor	57	61	1	9	0.1	3.7
	Morecambe	cbcp	cdr	57	61	1	5	0.4	4.7
9	Ilkley	cot	rr	56	64	0.2	9	0.1	5.3
	Harrogate	cir	corr	56	62	0.2	5	0.0	3.1
10	Berwick-on-T.	cbe	c	54	63	-	-	2.2	8.0
11	Dunbar	be	cpr	53	66	-	Trace	6.3	8.0
12	Troon	cbcco	copo	54	58	Trace	Trace	2.2	3.7
	Douglas	els	c	53	58	4	0.5	0.0	7.1

* Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-ah.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th July, 1939.

1 S.E. England Wind west veering northwest moderate to fresh; occasional showers, local thunderstorms, bright periods during day; becoming fine in most places tonight; average temperature or rather cool

2 E. England ...

3 E. Midlands ...

4 W. Midlands ...

5 S.W. England

6 South Wales ...

7 North Wales ...

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

14 Mid Scotland

15 N. E. Scotland

16 Orkney and Shetland

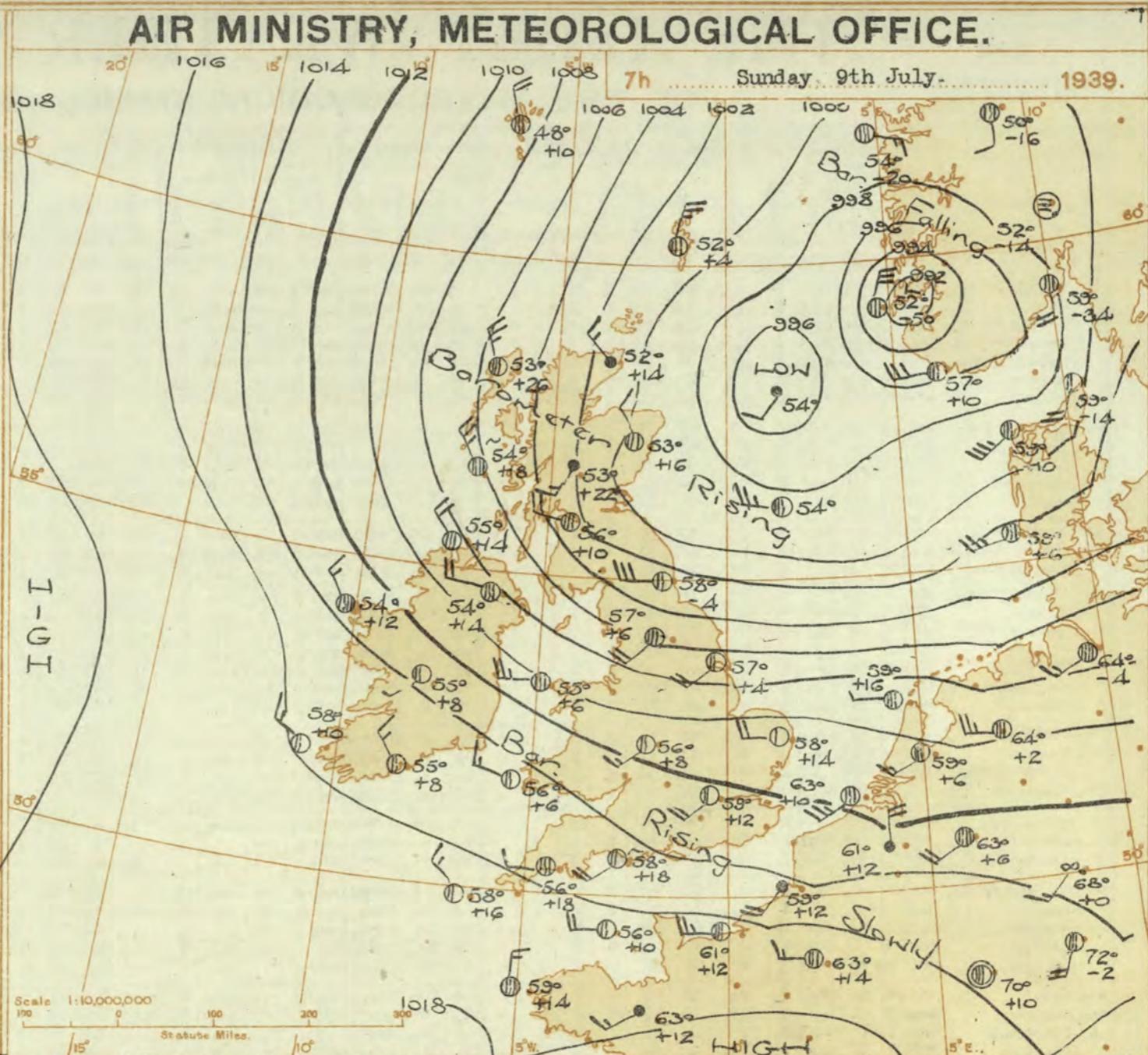
17 N. W. Ireland

18 N. E. Ireland

19 S. E. Ireland

20 S. W. Ireland

Wind northwest to north, fresh to strong, moderating tonight; mainly cloudy and showery, some bright periods; rather cool.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough ~ High.

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

GENERAL INFERENCE.

A complex depression covering the North Sea and Southern Norway is moving east-northeast and an anticyclone is spreading in from the Atlantic. Weather will be rather cool and showery but with considerable bright periods in the southern half of the country.

FURTHER OUTLOOK.

Showers and bright periods in the North; mainly fine in the South.

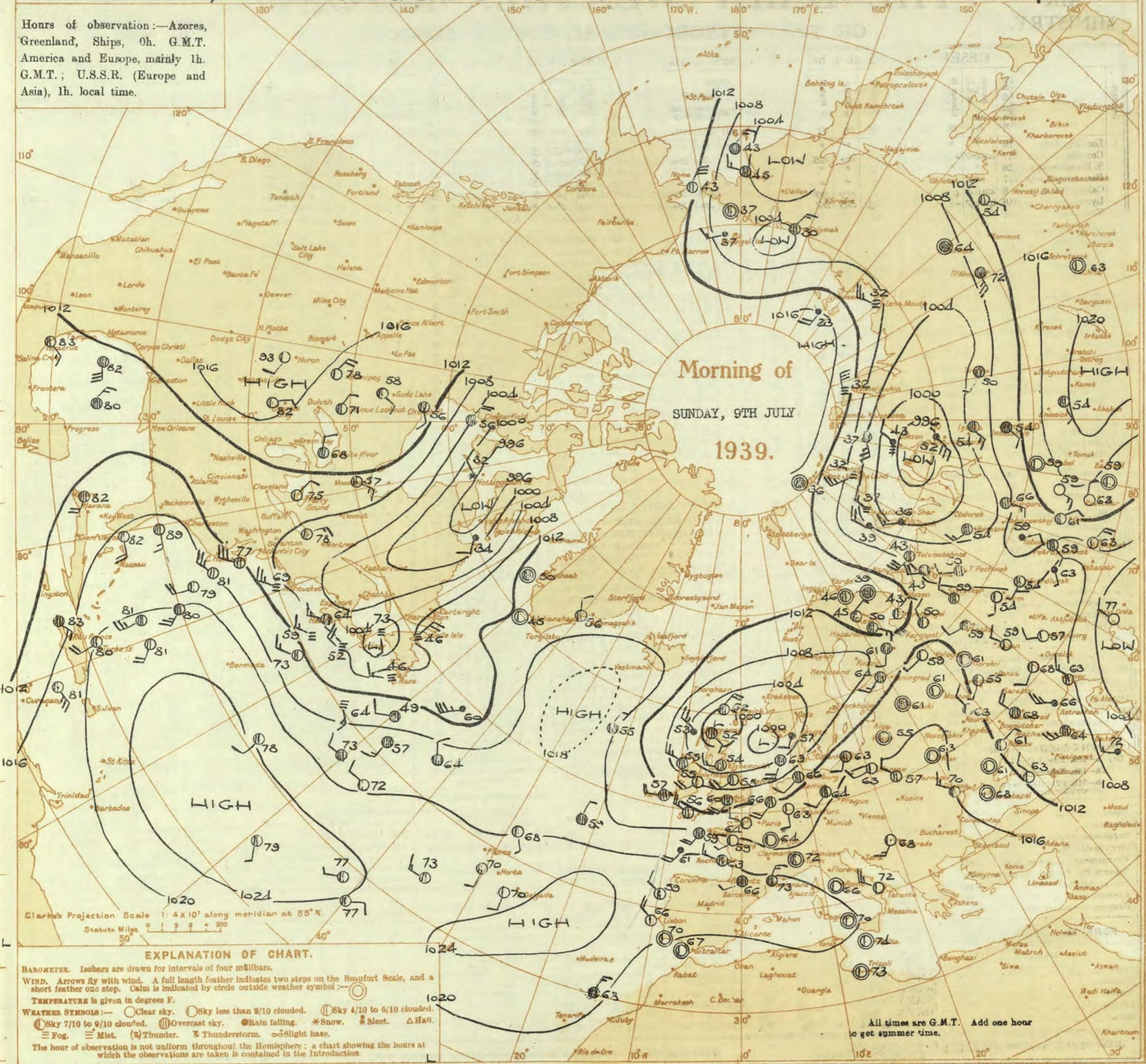
Time of Issue of Gale Warning

▲ North Cone hoisted at 0830 G.M.T. on 9/7/39 in districts 10, 11, 15 and 16.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 9th July 1939.
No. 28353.

District.	STATION.	OBSERVATIONS at 1 hr. G.M.T. 9th July												OBSERVATIONS at 7 hr. G.M.T. 9th July												PAST 24 HOURS.																	
		Wind.			Cloud.			Wind.			Cloud.			Temperature.			Rainfall.			Temperature.			Rainfall.			Sun- shine Hrs.																	
		Barom. mb.	Change in M.S.L. in feet. (1)	Wind. Dir. (8)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (9)	Form. (9)	Amount. (10)	Height of Base (feet) (11)	Barom. mb.	Change in M.S.L. in feet. (15)	Wind. Dir. (16)	Temp. °F. (19)	Humid. % (20)	Visibility 0-9 (21)	Form. (19)	Amount. (20)	Height of Base (feet) (21)	State of Ground. (22)	Sea. F. (23)	Max. Day 7h-18h (31)	Min. Night 18h-7h (32)	Min. on Grass °F. (33)	Day 7h-18h (34)	Night 18h-7h (35)	Sun- shine Hrs. (36)																
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.8	+14	WSW	3	DC	60	75	8	1	-	-	2-3	2-3	2800	0	*	66	57	52	0.2	0.5	
	Croydon ...	217	1010.7	+2	SWW	4	C	60	85	5	-	94	1500	1012.6	+12	WSW	3	DC	59	85	8	1	4	-	2-3	2-3	1500	1	*	67	55	53	Tr	0.3									
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	+14	WSW	3	D	59	75	9	1	-	-	Tr	Tr	1500	1	*	65	52	48	Tr	0.1	
	Boscombe Down ...	417	1011.4	+2	WSW	4	C	53	97	7	5	7	-	78	94	800	1013.5	+10	WS	3	DC	57	92	8	8	-	-	4-6	4-6	2500	1	*	65	52	48	1	0.6						
	Calshot (Sthmtn.) ...	8	1011.4	+2	WSW	4	C	53	92	6	5	-	78	94	800	1013.4	+12	W	3	D	60	85	8	1	1	1	2800	1	2	66	55	53	0.1	0.0									
	Lympne ...	346	1011.7	-2	WSW	3	C	58	92	5	-	94	800	1013.1	+10	WIN	3	BC	59	85	8	2	4	-	2-3	2-3	2800	0	52	66	57	55	Tr	1.6									
	Manston ...	154	1009.9	-6	SW	4	DC	59	85	7	-	3	-	0	4-6	-	1012.1	+14	WSW	3	BC	61	75	8	5	-	-	4-6	4-6	1500	0	*	69	57	53	-	0.9						
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.1	+12	WSW	3	DC	62	75	7	1	-	-	2-3	2-3	2800	0	*	70	58	54	Tr	-	1.1
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.0	+10	W	4	D	59	75	8	1	4	-	Tr	Tr	2500	1	3	70	56	53	Tr	1	0.8
	Gorleston ...	5	1007.5	+4	WNW	3	C	57	92	8	5	-	10	10	2500	1010.6	+14	W	4	D	58	75	8	1	-	-	Tr	Tr	2500	0	1	69	54	51	1	1.1							
	Mildenhall ...	19	1008.3	+10	SWN	2	D	55	92	5	5	-	23	23	4000	1010.6	+10	WS	1	DC	58	85	9	1	-	4	2-3	2-3	2500	1	*	65	50	45	3	0.5							
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.0	+8	WSW	4	D	55	85	7	1	-	6	1	1	2500	1	*	65	50	48	8	4	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.2	+18	WSW	3	DC	56	85	8	5	4	-	4-6	4-6	1500	1	*	63	51	46	13	1	0.3
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.0	+6	WSW	3	DC	56	85	8	2	4	-	1	2-3	2-3	2500	1	*	65	49	41	1	*
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.3	+10	WSW	3	DC	57	75	8	7	-	1	4-6	4-6	4000	1	*	62	51	44	14	0.2	
	Hartland Point ...	299	1011.8	+10	NW	3	C	56	97	8	4	-	2-3	2-3	2500	1014.6	+14	NNW	3	DC	58	85	8	2	3	-	2-3	4-6	2500	1	2	59	54	51	7	0.6							
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.5	+20	WS	4	D	56	85	8	5	-	1	4-6	4-6	1500	1	*	65	54	50	2	0.0	
	Portland Bill ...	32	1011.8	+6	WSW	5	C	57	92	7	5	-	10	10	2500	1015.2	+18	WSW	4	D	58	92	7	5	-	4-6	4-6	2500	1	*	53	52	48	*	"								
	Plymouth ...	82	1013.0	+14	W	4	C	57	92	7	5	-	94	94	1500	1015.4	+18	W	2	C	56	92	8	1	3	-	1	9	1500	1	2	60	52	50	0.2								
	The Lizard ...	240	1012.2	+8	W	3	C	56	97	8	2	-	7-8	7-8	1500	1016.3	+16	W	2	DC	57	97	8	3	6	-	4-6	4-6	2500	1	3	63	55	50	0.6								
	Scilly (St. Mary's) ...	163	1014.1	+8	NNW	5	BC	56	92	8	2	-	2-3	4-6	2500	1016.6	+16	NNW	3	DC	58	92	8	3	6	-	2-3	2-3	2500	1	3	63	55	50	1.4								
	Guernsey ...	175	1014.3	0	WSW	4	DC	57	97	7	8	-	10	10	2500	1016.1	+10	W	4	DC	56	97	8	6	5	-	4-6	4-6	450	1	*	65	55	50	2.5								
6	Pembroke ...	142	1011.3	+10	NNW	3	D	56	85	8	5	-	0	-	1014.2	+16	NNW	3	DC	56	92																						

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 10th July, 1939.
No. 28354

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. ... 9th July										OBSERVATIONS at 18h. G.M.T. ... 9th July										PAST 24 HOURS.																			
		Barom. at M.S.L. (1)		Change in 3 hours. (2)		Wind. Dir. 0-12 (3)		Weather. Temp. (4)		Humid. Visibl. 0-9 (5)		Cloud. Form. Low (9) Med. (10) High (11) 0-10 (12) Total (13) Height of Base (feet) (14)				Barom. at M.S.L. (15)		Change in 3 hours. (16)		Wind. Dir. 0-12 (17)		Weather. Temp. (18)		Cloud. Form. Low (23) Med. (24) High (25) 0-10 (26) Total (27)				Height of Base (feet) (28)				State of Ground. Sea. 0-9 (29)		W.M.T. 7h.-13h. ... 9th (37)		13h.-18h. ... 9th (38)		18h.-24h. 10th (39)		1h.-7h. 10th (40)	
1	London (Kew) ...	1014.1 +10	N.W.	4	C	67	45	8	7	-	4	7.8	9	2500	1014.2 +8	N.W.	4	C	65	55	8	7	-	4	7.8	9	2500	0	*	bccy	cy	cybc	bc								
	Croydon ...	1014.4 +10	N	4	C	67	45	8	4	-	4	4.6	7.8	4000	1014.3 +6	N.W.	3	C	65	55	9	4	-	6	2	4.6	9	5700	5	*	bccy	gryb	bbcmo								
	S. Farnborough	1014.5 +8	N	4	C	66	55	8	8	-	1	5	9	4000	1015.3 +8	N.S.	4	C	65	55	8	7	1	2	4.6	9	5700	0	*	bccy	cyb	bwbcb									
	Boscombe Down	1015.3 +6	W.N.	5	C	65	55	8	1	-	6	4.6	7.8	4000	1016.0 +6	N.W.	5	C	62	55	9	1	4	8	T	9	4000	1	*	bccy	bcc	cwb									
	Calshot (Soton.)	1015.3 +12	S.W.	4	C	65	75	8	8	6	6	7.8	9	2500	1015.9 +2	N.S.	4	C	65	75	8	4	-	8	2.3	5	2500	0	2	bbcc	c	cbw									
	Lympne	1015.9 +4	N.W.	4	C	69	55	8	1	-	1	7.8	7.8	2500	1014.9 +6	N.W.	4	C	65	65	8	1	6	6	1	7.8	2500	0	4	bccy	bccy	bwm									
	Manston	1013.0 +2	W.S.	4	C	71	45	8	2	-	6	7.8	9	2500	1014.3 +8	N.S.	3	C	67	45	8	8	6	4.6	9	4000	0	*	bccy	cy	cybcb	bcbmo									
2	Shoeburyness	1013.4 +4	N.W.	4	C	69	45	8	8	-	2	4.6	7.8	2500	1013.3 +4	N.W.	3	C	67	55	8	8	3	6	2.3	9	2500	0	*	bbccy	bccy	cybc	bbcb								
	Felixstowe	1012.1 +6	N.W.	6	C	68	55	8	7	3	-	7.8	9	2500	1013.4 +6	W.N.W.	5	C	68	45	8	7	4	6	4.6	9	2500	3	2	bbccy	cy	cbc									
	Gorleston	1011.2 +6	W.S.	4	C	65	55	7	8	-	3	5	2500	1011.6 +4	N.W.	4	C	65	55	7	8	-	7.8	7.8	2500	0	*	bccy	cy	bcc											
	Mildenhall	1011.7 +6	W.N.	5	C	65	55	7	7	-	7.8	7.8	2500	1013.2 +14	N.W.	4	I.D.	61	75	7	8	-	3	9	9	2500	0	*	bccy	cyclid	cicdcb	bcmpr									
	Cranwell	1010.8 +12	N.W.	4	C	64	65	7	6	-	7.8	7.8	2500	1012.0 +12	N.W.	3	C	63	65	7	8	6	-	7.8	7.8	2500	1	*	bbccpm	cpbacc	cbc	bccmo									
3	Birmingham	1013.3 +14	N.W.	4	bc	61	55	8	8	7	-	2.3	4.6	2500	1014.2 +6	N	3	bc	63	55	8	7	4	-	4.6	4.6	4000	1	*	bcprbc	bc	bccpr	c								
4	Upper Heyford	1014.1 +10	N	5	C	63	55	8	8	-	1	3	2500	1014.8 +8	N.W.	4	C	65	55	6	8	4	2	4.6	7.8	4000	1	*	bcc	bcc	bcc	bccbc									
	Ross-on-Wye	1014.3 +8	N.W.	4	C	62	65	8	7	-	1	7.8	7.8	4000	1015.2 +6	N.W.	3	C	64	55	8	7	4	2.3	4.6	4000	1	*	bcc	obccbc	obccbc										
5	Hartland Point	1016.3 +2	N.W.	4	C	59	85	8	7	6	-	4.6	7.8	1500	1017.5 +4	N.W.	3	C	59	92	8	8	6	2	4.6	7.8	1500	1	2	bcc	c	cbc	bcc								
	Bristol	1015.4 +6	N	5	bc	64	65	8	6	3	8	4.6	4.6	2500	1016.5 +6	N	5	C	60	75	8	9	3	8	7.8	3	2500	1	*	bcbbc	cpabc	bbcw									
	Portland Bill	1016.4 +10	N.W.	4	C	60	85	7	4	-	1	4.6	9	4000	1017.1 +8	N.W.	4	C	59	85	7	5	-	-	10	10	4000	1	4	bcc	c	cbc	bc								
	Plymouth	1017.3 +10	W.N.	3	C	62	75	9	8	-	3	7.8	9	1500	1018.0 +2	W.N.	3	C	61	75	9	2	-	3	2.3	9	2500	1	1	cpbacc	c	cbc	bwb								
	The Lizard	1018.7 +10	W.S.	3	bc	62	85	8	6	-	4.6	4.6	2500	1019.7 +4	N.S.	5	C	58	92	8	8	6	-	7.8	9	2500	0	1	bc	c	cbc	bccbw									
	Scilly (St. Mary's)	1018.5 +12	N.W.	3	C	64	85	8	6	2	2.3	9	1500	1019.2 +2	N.W.	4	C	60	92	8	8	3	4.6	9	1500	1	2	bcc	c	cbc	bccbw										
	Guernsey	1017.5 +10	N	5	C	60	85	7	8	4	3	4.6	7.8	800	1018.5 +2	N	4	C	58	85	8	9	1	-	2.3	9	800	1	3	bc	c	cbc	c								
6	Pembroke	1016.2 0	W.N.	4	C																																				

REPORTS from HEALTH RESORTS for 9th July 1939.									
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h-12h	Max. 9h-17h	Night 17h-00h	Day 00h-17h	Sunrise to 17h	Sunrise to Sunset.
1	Tunbridge W.	bc	bc	55	70	-	-	10.3	1.4
	Bournemouth	bcc	bcc	55	67	0.5	-	7.5	0.0
	Ventnor	b	b	57	64	1	-	11.5	0.0
	Southsea	bc	bccbc	58	69	TR	TR	10.1	0.0
	Bognor Regis	b	bbcc	58	68	TR	-	11.4	1.1
	Littlehampton	bc	bc	56	67	-	-	11.5	1.7
	Worthing	...	...	55	65	TR	-	9.0	0.1
	Brighton	b	bbcb	55	65	TR	-	9.4	1.1
	Eastbourne†	...	bcc	55	65	TR	-	10.8	1.3
	Hastings†	...	bbbbc	58	60	0.3	-	10.8	1.3
	Folkestone	bc	bc	55	65	TR	-	9.2	2.2
	Dover	bc	bc	55	67	-	-	10.5	3.5
	Deal	...	bcc	55	73	-	-	11.1	2.8
	Ramsgate	bc	bc	58	71	-	-	11.5	0.5
	Margate	bc	bc	55	65	-	-	11.5	0.5
2	Southend	...	bcb	57	70	-	-	11.0	0.8
	Clacton-on-Sea	bc	bc	56	70	-	-	8.8	0.4
	Dovercourt	...	bcc	55	65	2	-	10.5	1.0
	Lowestoft	...	bccbc	52	65	0.6	-	6.7	0.8
	Skegness	...	bccbc	50	60	5	TR	10.8	1.6
	Mablethorpe	...	bcc	48	66	4	-	9.1	1.0
	Cleethorpes	bc	bccbc	50	65	3	-	8.3	0.8
3	Leamington S.	bc	bc	51	66	1	-	9.2	0.0
4	Cheltenham†	bc	bc	51	68	0.5	-	8.8	0.5
5	Bath	...	bcb	54	66	1	-	9.7	0.1
	Weymouth	b	bc	56	65	0.3	-	9.7	0.0
	Jersey	...	cbc	58	64	TR	-	10.4	1.5
	Torquay	...	wbc	52	66	1	-	8.7	0.2
	Falmouth	...	bccbc	56	66	TR	-	8.5	0.0
	Penzance	...	bccbc	55	65	TR	-	6.2	0.7
	St. Ives	...	...	55	65	TR	-	6.2	0.7
	Bude	...	bcc	57	62	0.3	-	8.3	0.4
	Ilfracombe	...	bbc	56	62	-	-	7.5	0.0
6	Aberystwyth	cbc	bc	55	61	1	-	4.7	0.1
7	Llandudno	...	cbc	54	63	-	TR	4.5	1.0
	Colwyn Bay	...	cbcc	54	63	-	-	0.8	0.3
	Rhyl	...	cbc	54	65	0.1	-	4.4	0.7
8	Walasey	...	c	54	63	TR	-	4.3	0.7
	Southport	...	obco	54	62	0.3	-	3.5	0.5
	Blackpool	...	cpc	55	62	0.3	TR	2.7	0.8
	Morecambe	...	ircbc	55	61	1	-	2.6	1.1
9	Ilkley	...	opo	54	62	1	0.6	1.2	0.1
	Harrogate	...	cbbc	52	61	1	0.1	2.6	0.2
10	Berwick-on-T.	...	ocr	52	61	0.2	1	3.1	2.2
11	Dunbar	...	cpr	50	62	2	5	1.1	6.3
12	Troon	...	ocac	53	60	2	-	3.0	2.2
	Douglas	...	bcir	52	60	1	TR	1.3	1.1

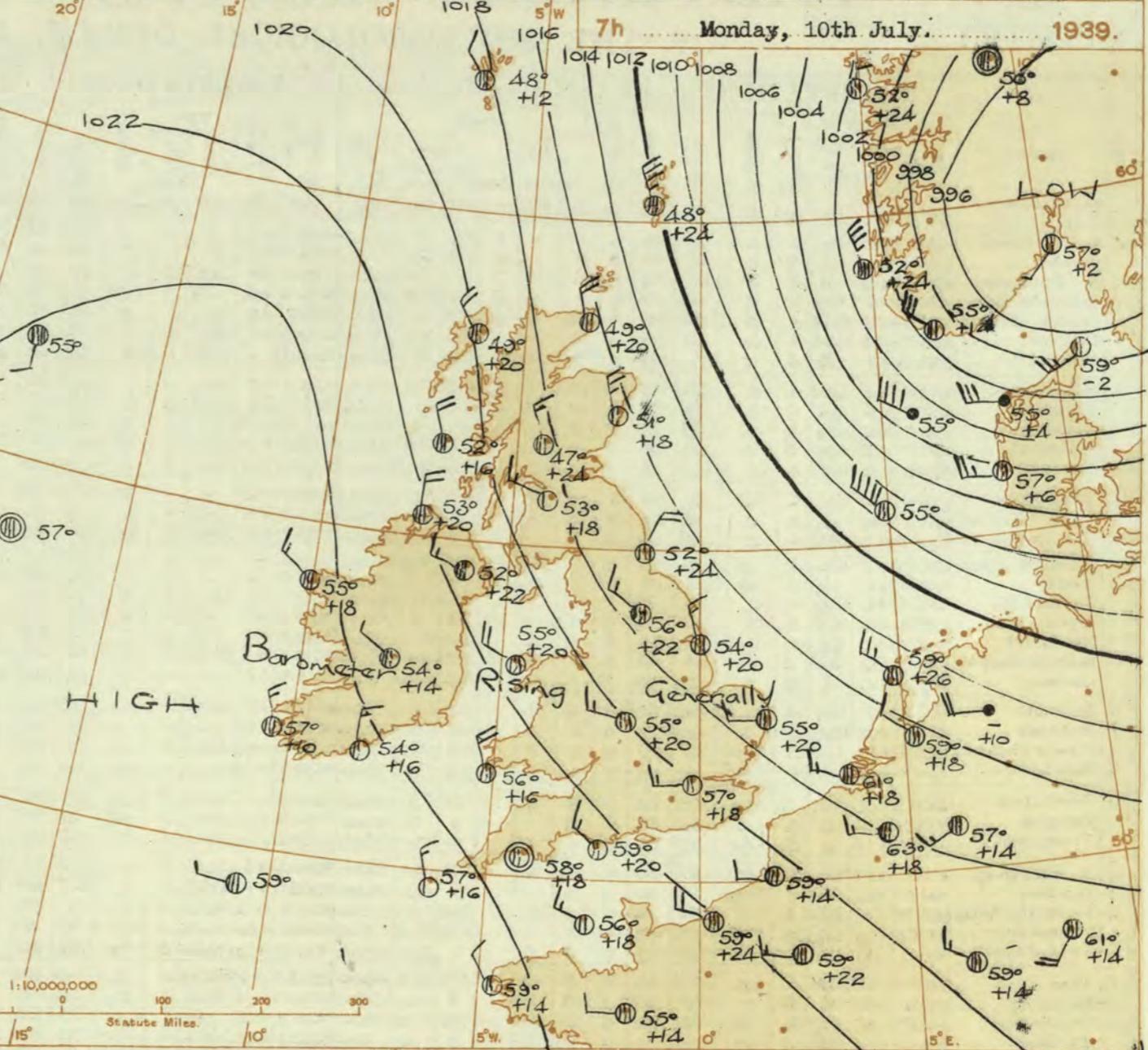
* Max. Temp. for period 21h yesterday to 17h today; Min. Temp. 11h-9h.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th July, 1939.

- 1 S.E. England Wind northwest, moderate; fair but considerable cloud today; rather cool.
- 2 E. England ... Wind northwest fresh to moderate; mainly cloudy; local coastal showers; cool.
- 3 E. Midlands ... As 1.
- 4 W. Midlands ... Wind northwest, moderate to light; fair to fine; temperature rather below average.
- 5 S.W. England Wind northwest, moderate to light; fair to fine; temperature rather below average.
- 6 South Wales ... As 1.
- 7 North Wales ... As 1.
- 8 N.W. England As 1.
- 9 N. Midlands ... Wind northerly, fresh, moderating slowly; cloudy; occasional showers, chiefly near the coast; cool.
- 10 N.E. England Wind northerly, fresh, moderating slowly; cloudy; occasional showers, chiefly near the coast; cool.
- 11 S.E. Scotland Wind northwest, moderate; fair; rather cool.
- 12 S.W. Scotland & Isle of Man Wind northwest, moderate; fair; rather cool.
- 13 A. W. Scotl. B.N.W. Scotl. Wind northwest, moderate; fair; rather cool.
- 14 Mid Scotland As 10 - 11.
- 15 N. E. Scotland
- 16 Orkney and Shetland
- 17 N. W. Ireland Wind northwest, moderate to light, becoming variable later; fair; temperature a little below the seasonal average.
- 18 N. E. Ireland
- 19 S. E. Ireland
- 20 S. W. Ireland

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

Pressure is low over Southern Scandinavia. An anticyclone to west and southwest of the British Isles will tend to move in over the country with fair weather generally, apart from some showers near the northeast coasts today. Temperatures will be mainly below the seasonal average.

FURTHER OUTLOOK.

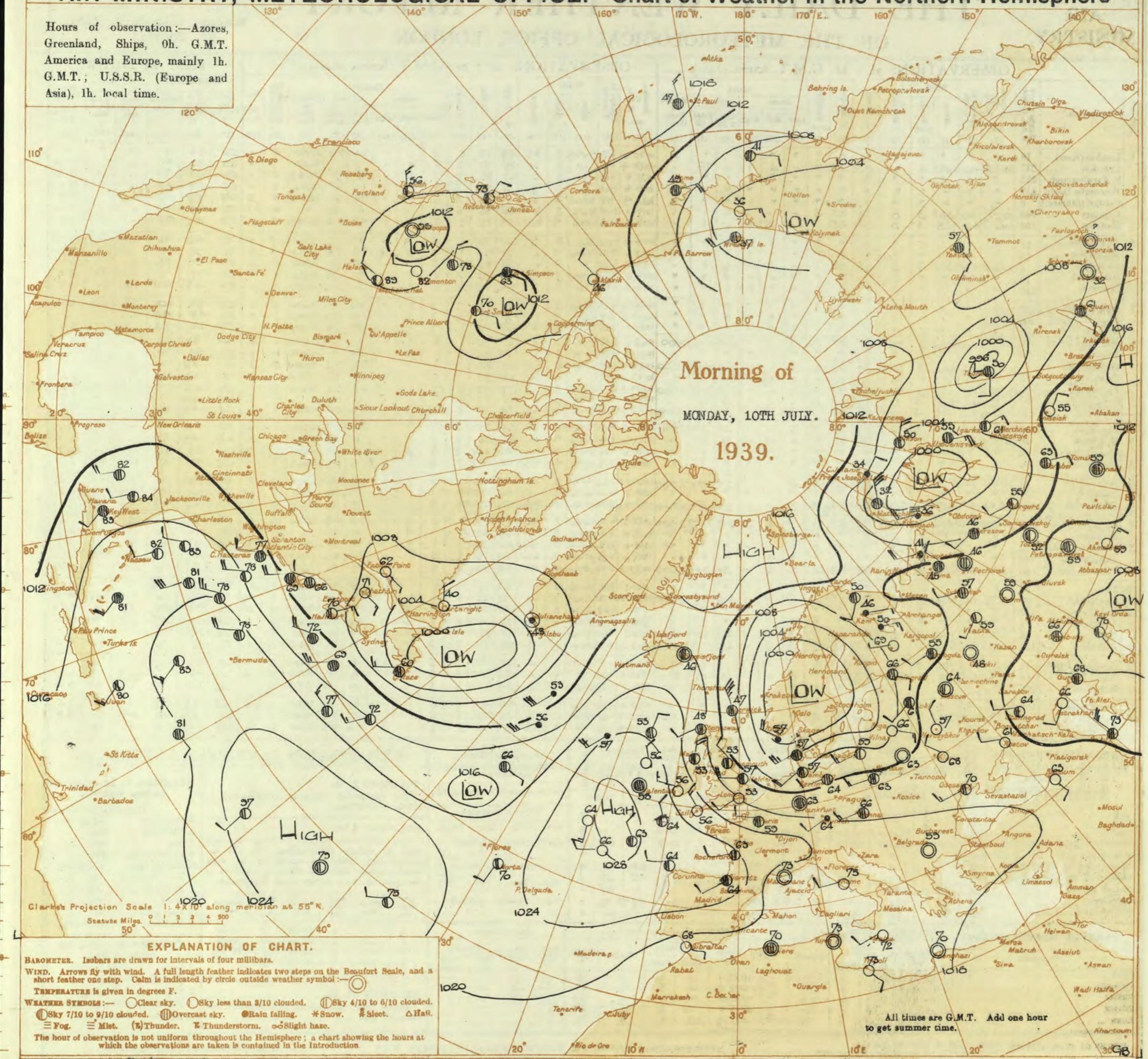
Fair for a day or two over most of England and Wales; doubtful elsewhere.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 10th July, 1939.
No. 28354.

District.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. (Local time)												OBSERVATIONS at 7 hr. G.M.T. (Local time)												PAST 24 HOURS.															
		Height above M.S.L. in feet.	Barom. mb.	Change in 3 hours.	Wind.			Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						Barom. mb.	Change in 3 hours.	Wind.			Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						State of Sea.	Sea. 0-9	TEMPERATURE.			RAINFALL.			SUN-SHINE 24 hrs.
					Dir.	Force.	Low					Med.	High	Low 0-10	Total 0-10	(14)	Dir.			Force.	Form.	Amount.				Height of Base. (feet.)	Low 0-10	Total 0-10	(28)	(29)	(30)	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.					
1	London (Kew) ...	18	* * * * *	*	b	53	92	7	-	4	1	0	1	1	1	1	*	1020.6 +18 NW W	3	bc	58	75	8	5	-	9-6 9-6	2500	0	*	68	53	47	-	-	10-7						
	Croydon ...	217	1017.7 +10 WSW	2	b	53	92	7	-	4	1	0	1	1	1	1	*	1020.4 +18 W	3	bc	57	85	8	5	4	-	1000	1	*	69	51	49	-	-	10-0						
	S. Farnborough ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0 +18 W	3	c	58	85	8	1	3	-	2500	0	*	69	47	39	-	-	11-3						
	Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6 +20 W	2	z	57	85	6	1	1	-	4000	1	*	67	49	49	-	-	11-3						
	Calshot (St. Hmtn.) ...	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.4 +18 WNW	3	b	58	85	7	1	4	-	Tr	Tr	2500	0	*	68	49	46	-	-	9-9				
	Lymne ...	346	1017.6 +10 WNW	3	b	53	85	8	-	5	1	0	1	1	1	1	*	1019.9 +14 NW W	3	b	66	85	6	0	0	-	0	0	0	*	70	48	45	-	-	10-6					
	Manston ...	154	1016.7 +6 W'S	3	b	54	85	7	-	5	1	0	1	1	1	1	*	1019.3 +18 WNW	4	bc	58	75	7	5	-	1	9-6 9-6	2500	0	*	72	51	47	-	-	11-0					
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.4 +16 NW	3	b	60	75	8	5	4	-	Tr	1	5700	0	*	72	53	46	-	-	12-2				
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.6 +16 NW	4	c	57	75	8	3	4	-	2-3	7-8	5700	0	*	71	54	51	-	-	11-7				
	Gorleston ...	5	1014.2 +6 WSW	3	b	55	85	7	-	3	0	1	1	1	1	1	*	1018.2 +20 W	2	c	56	85	6	5	7	-	9	9	2500	1	*	68	51	53	-	-	8-1				
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.5 +20 NW	3	c	56	85	7	5	5	-	9	9	2500	1	*	64	52	50	Tr	Tr	8-4				
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6 +20 WNW	3	c	55	85	6	5	7	-	9-6 10	2500	1	*	64	52	50	Tr	0-2	10-0					
4	Roes-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.1 +20 WIN	3	c	58	75	8	5	3	-	4-6 9	4000	1	*	67	49	42	-	-	9-4					
5	Hartland Point ...	299	1019.9 +8 WNW	3	bc	57	97	8	5	3	-	2-3	4-6	2500	1022.5 +18 N	3	b	57	85	8	2	3	-	1	7-8	2500	1	2	61	56	53	-	-	9-3							
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.4 +18 W/N	3	b	58	85	8	1	4	-	Tr	1	4000	1	*	64	49	39	-	Tr	12-0				
	Portland Bill ...	32	1019.2 +6 NW	3	bc	57	92	8	5	-	-	4-6	4-6	4000	1022.0 +20 NW	3	b	59	85	8	1	-	-	2-3	2-3	4000	0	3	61	55	*	-	-	*							
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.0 +18 -	0	bc	58	85	7	5	-	-	2-3	2-3	1500	1	0	64	53	46	Tr	-	3-3				
	The Lizard ...	240	1021.7 +6 W	3	bc	55	97	8	8	-	-	2-3	2-3	2500	1024.3 +20 WNW	2	bc	58	92	8	8	-	-	2-3	2-3	1500	0	1	63	54	*	-	-	8-6							
	Scilly (St. Mary's) ...	163	1022.0 +6 NW	3	bc	55	97	8	-	-	0	0	-	-	1024.9 +16 NW	3	bc	57	97	8	4	-	-	0	0	0	1	2	64	54	*	-	-	9-2							
	Guernsey ...	175	1020.6 +2 WNW	4	c	55	97	7	8	-	-	9+ 9+	800	1023.0 +18 NW	3	bc	56	97	8	4	-	-	4-6	9-6	450	1	2	61	54	53	-	-	8-7								
6	Pembroke ...	142	1020.1 +6 WN	3	c	57	92	8	8	-	-	9+	9+	2500	1023.2 +16 N'W	4	c	56	85	8	7	-	-	7-8	7-8	2500	1	2	60	59	*	-	-	12-1							
7	Holyhead ...	26	1018.4 +6 W	3	c	56	92	8	8	-	-	10	10	*	1021.6 +20 NW	4	c	55	85	8	7	-	-	9+	9+	9000	1	2	62	54	51	-	-	5-0							
8	Chester (Sealand) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6 +22 NW	4	c	56	75	8	8	2	-	9	10	1500	1	*	64	55	52	Tr	2-9	6-9				
10	Spurn Head ...	29	1014																																						

Page 1.
**AIR
MINISTRY.**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 11th July, 1939.
No. 28355

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

- b, blue sky (not more than a quarter covered with cloud).
- be, sky partly cloudy (one half covered). e, generally cloudy.
- d, drizzle. e, wet air. g, gloom.
- f, fog, visibility 220-1100 yds.
- F, thick fog, less than 220 yds.
- fs, low fog over sea (coast station).
- fg, low fog over land (inland station).
- m, mist, visibility 1100-2200 yds.
- h, hail. i, intermittent.
- jf, fog at a distance, but not at station.
- jp, precipitation within sight of station.

q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, hoar frost. y, dry air.
 z, dust haze: the turbid atmosphere
 of dry weather.
 h(i), "hail" or "rain and hail."
 Capital letters indicate intense;
 suffix o indicates slight; repetition
 of letters indicates continuity: thus
 R, heavy rain. r_o, slight rain.
 rr, continuous rain.

- 0 No low clouds.
- 1 Fair weather Cu.
- 2 Large Cu without anvil.
- 3 Cb.
- 4 Sc formed by the spreading out of Cu.
- 5 Layer of St or Sc.
- 6 Ragged low clouds of bad weather (or fractonim bus).
- 7 Fair weather Cu and Sc.
- 8 Large-Cu (or Cb) and Sc.
- 9 Large-Cu (or Cb) and ragged low clouds of bad weather.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

the total amount of all forms of cloud.
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 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

Cloud form abbreviations:— Cirrus.—Ci : Cirrocumulus.—Cc : Cirrostratus.—Cs : Altocumulus.—Ac : Altostratus.—As :

**COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.**

No cirriform cloud.
 Fine Ci not increasing : sparse.
 Fine Ci not increasing : abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing : usually in tufts.
 Ci or Cs increasing : still below 45° altitude : often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude : often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Cc predominating, and a little cirrus.
 Cc may occur with any of the types 1 to 8).

COLUMN 29—STATE OF GROUND. Ground covered with snow less than 6 in. deep, but

7 . . . Ground covered with snow, less than 6 ins., deep but ground not frozen.
 8 . . . , , covered with snow, less than 6 ins., but ground frozen.
 with snow or hail. 9 . . . , , covered with snow greater than 6 ins. deep.
 or glazed frost. - . . Fresh snow has fallen in the mountains.
 having snow.

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.

Sea disturbance reported from Dungeness

REPORTS from HEALTH RESORTS for July 10th 1939.									
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Forenoon.	Afternoon.	Min. 9h. 9th	Max. 9h. 10th	Night 9h. 10th	Day. 9h. 10th	Sunrise to 17h.	Sunrise to Sunset. 9th
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	bco b bbc bcc bbc	bc bc bc bc bc	48 51 52 53 51	66 70 68 68 69	- - - - -	- - - - -	5.8 11.2 5.3 8.4 6.5	11.3 7.7 11.7 10.1 11.4
2	Littlehampton Worthing ... Brighton ... Eastbourne ... Hastings†	bc bbc bbc bbc bbc	bc bcc bc bc cbc	50 52 53 55 51	69 70 69 65 69	- - - - -	- - - - -	6.9 7.5 5.1 5.9 6.5	11.6 * 9.5 10.9 10.3
3	Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	coco bbc bbc bbc bc	oco bbc bbc bbc bc	53 54 54 54 56	68 68 68 68 67	- - - - -	- - - - -	5.8 6.3 8.7 8.7 9.3	9.6 10.3 11.8 11.7 11.5
4	Southend ... Clacton-on-Sea Dovercourt	bcb	b	52	69	-	-	10.2	12.1
5	Lowestoft ... Skegness ... Mablethorpe ... Cleethorpes ...	CCbbc cbc bbc cbc	bbc cb bbc bcv	52 53 53 54	62 55 58 60	Trace - - Trace	1.7 5.2 4.2 4.7	6.8 12.0 10.9 10.3	9.5 12.0 10.9 10.3
6	Leamington S. Chesterfield	oc cbc	c cbc	51 53	65 68	- -	- -	4.7 4.1	11.0 11.4
7	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth ... Penzance ... St. Ives ... Bude ... Ilfracombe ...	cbe bbc be wbc b bbc bbc bbc bbc	bcc cb bbc cbc b bbcb bbc bbc bbc	52 54 56 51 55 54 58 57	67 69 66 68 67 66 62 63	- - - - - - - -	- - - - - - - -	6.7 5.7 10.4 9.4 11.5 11.7 9.7 9.5	11.2 9.7 10.4 9.0 9.3 6.4 11.4 11.4
8	Aberystwyth ... Llandudno ... Colwyn Bay ... Rhyl ...	c cbc cbc cbc	cbc bcb cbc cbc	56 55 54 54	61 59 60 60	- - - Trace	- - - 3.7	1.5 4.5 2.2 4.6	4.7 4.8 4.0 4.6
9	Wallasey ... Southport ... Blackpool ... Morecambe ...	cp cbc cbc bbc	bc cvbc cbc b	55 54 55 55	61 62 60 61	- Trace - -	4.7 4.1 3.1 3.2	4.4 4.8 4.0 2.8	4.7 4.8 4.0 2.8
10	Likley ... Harrogate ... Berwick-on-T.	abc cbc b	bc bbc b	53 50 50	65 65 60	0.2 0.1 0.4	- - - - -	4.4 7.6 12.0 13.0	1.8 3.6 3.4 2.1
11	Dunbar ... Troon ... Douglas	bc bbc b	bc bbc b	47 51 51	65 61 58	Trace - -	- - -	12.1 12.1 8.6	4.6 2.4

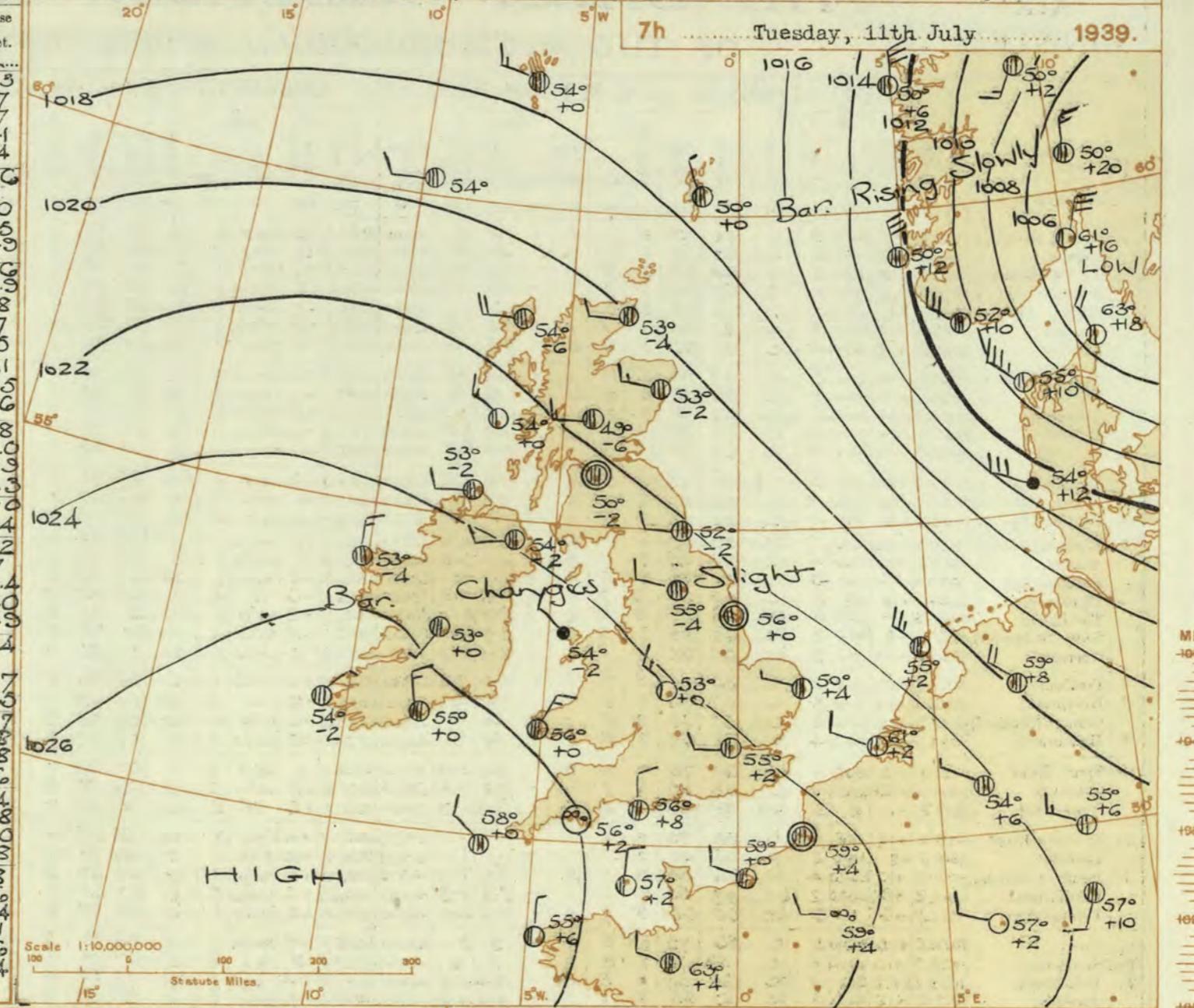
* Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. -01.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th July, 1939.

- 1 S.E. England Wind northwest to west, light; fair; average temperature.
- 2 E. England ...
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England
- 6 South Wales ...
- 7 North Wales ... Wind backing slowly west to southwest, light, freshening tomorrow; fair today, more cloud tomorrow, perhaps coastal drizzle; average temperature.
- 8 N.W. England
- 9 N. Midlands ...
- 10 N.E. England As 1 - 6.
- 11 S.E. Scotland
- 12 S.W. Scotland & Isle of Man. Wind variable light, becoming fresh from south to southwest; fair today, cloudy with rain spreading from the West tomorrow; average temperature.
- 13 { A. W. Scotld.
B.N.W.Scot-
land.
- 14 Mid Scotland
- 15 N. E. Scotland Wind northwest, moderate to light, freshening from south tomorrow; variable cloud; a few showers; cloud increasing tomorrow; rain probable late in period; rather cool.
- 16 Orkney and Shetland Wind variable light, becoming southerly moderate or fresh; fair at first; cloud increasing; occasional light rain or drizzle by tomorrow; average temperature.
- 17 N. W. Ireland
- 18 N. E. Ireland
- 19 S. E. Ireland Wind variable light; fair; average temperature.
- 20 S. W. Ireland

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

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 just off our southwest coasts and will decrease in intensity as a depression, southeast of Greenland, moves east. Weather will be fair in most districts today but rain will spread to Scotland and North Ireland tomorrow with freshening south to southwest winds. Temperatures will be about average.

FURTHER OUTLOOK.

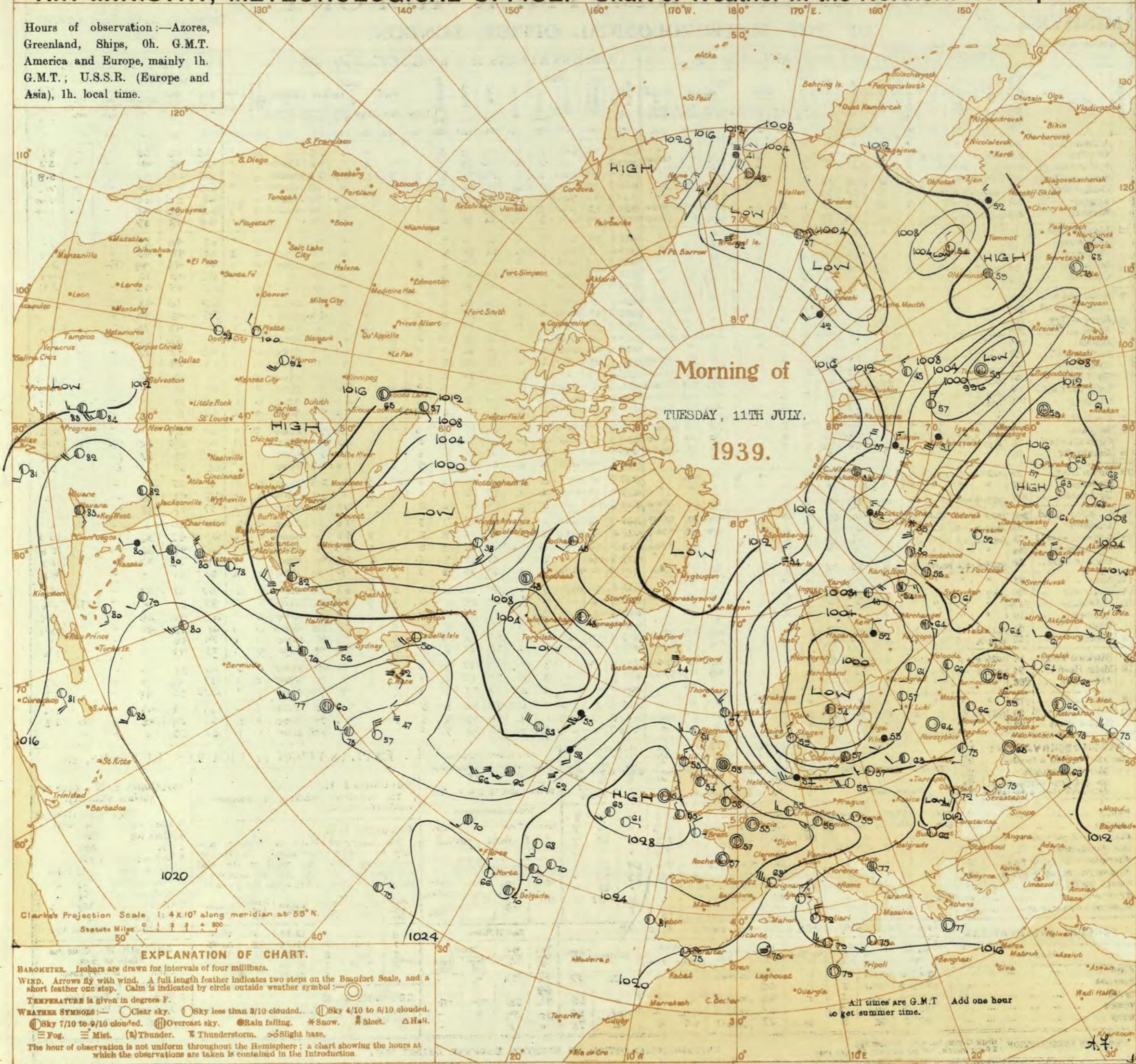
Fair in southern districts; unsettled elsewhere.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 11th July, 1939
No. 28355

District.	STATION.	OBSERVATIONS at 1 hr. G.M.T. July 11 th												OBSERVATIONS at 7 hr. G.M.T. July 11 th												PAST 24 HOURS.																								
		Height above M.S.L. in feet. mb. (1)	Barom. at M.S.L. in mb. (2)	Wind. Change in 24 hours. Dir. (3) Force. (4)	Weather. Temp. °F. (5)	Humid. % (6)	Visibility 0-9 (8)	Cloud.						Barom. at M.S.L. in mb. (15)	Wind. Change in 24 hours. Dir. (16) Force. (18)	Weather. Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud.						State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.			SUN-SHINE 10 th Hrs. (36)																	
								Form. (9)	Low (10)	Med. (11)	High (12)	Height of Base (feet) (13)	Total (14)						Low (23)	Med. (24)	High (25)	Total (26)	Height of Base (feet) (27)	Total (28)	Low (31)	Med. (32)	High (33)	Total (34)	Day mm. (35)	Night mm. (36)																				
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	68	50	35	-	-	8.1															
	Croydon ...	217	1024.5	+6	NW'N	2	b	58	65	6	5	4	-	2.3	4.6	4000	1024.6	+2	w	2	bc	55	75	7	1	4	3	1	4.6	2500	1	*	GG	48	41	-	-	5.3												
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	68	42	35	Tr	-	5.8														
	Boscombe Down ...	417	1025.8	0	NW	2	b	48	85	7	-	-	-	0	0	-	1025.7	+4	-	0	z	49	92	7	7	3	2	2.3	7.8	4000	0	*	65	44	41	-	-	7.1												
	Calshot (Sthmt.) ...	8	1025.0	+2	W'N	2	b	51	85	7	-	-	-	0	0	-	1024.9	+2	NW'U	2	z	54	85	6	5	-	-	-	9.4	4000	1	*	65	50	46	-	-	10.0												
	Lympne ...	346	1024.6	+4	N	3	bc	54	75	6	5	-	-	9.6	4.6	4000	1024.2	+2	N'W	2	b	54	75	6	1	-	-	-	Tr	4000	0	51	68	50	46	-	-	6.4												
	Manston ...	154	1024.3	+2	NW	1	bc	54	85	6	5	-	-	4.6	4.6	1500	1024.2	+4	U'N	3	z	56	75	6	-	0	0	-	0	*	68	48	37	-	-	11.1														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.9	+4	U'N	3	b	55	75	7	-	-	0	0	*	69	46	34	-	-	9.7		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.6	0	NW	3	z	52	85	6	-	-	0	0	2	68	48	45	-	-	6.8		
	Gorleston ...	5	1023.8	-2	WSW	3	b	52	85	7	-	-	-	0	0	-	1022.9	+4	U'N	2	c	50	85	6	5	-	-	-	10.0	2500	0	1	61	46	44	Tr	-	2.0												
	Mildenhall ...	19	1023.8	0	W'S	2	z	43	97	6	-	-	-	0	0	-	1023.7	+2	WSW	2	z	49	92	5	-	-	-	1	0	0	Tr	-	Tr	64	-	8.5														
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.6	0	NW	3	b	53	85	6	1	-	1	Tr	1	2500	1	*	63	50	42	Tr	-	5.5
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1024.9	0	SW	1	b	53	85	8	3	Tr	1	4000	0	*	65	43	36	-	-	6.9		
5	Hartland Point ...	299	1025.8	-6	NNW	2	c	57	92	9	2	6	-	2.3	7.8	2500	1024.9	0	WNW	2	c	58	92	9	2	6	-	9.6	9.7	1500	0	2	61	56	55	-	-	6.1												
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025.4	-2	WNU	1	c	54	85	7	5	4	1	7.8	7.8	4000	0	2	65	47	37	-	-	8.7
	Portland Bill ...	32	1025.2	-2	NNW	2	c	56	85	8	5	-	-	9	9	4000	1026.1	+8	N	2	c	56	85	8	5	-	-	9	9	4000	0	3	63	54	*	-	-	*												
	Plymouth ...	82	1026.7	0	-	0	c	53	92	8	5	-	-	7.8	7.8	4000	1026.0	+2	-	0	z	56	92	6	5	-	-	10	10	4000	0	0	67	33	45	-	-	10.0												
	The Lizard ...	240	1027.2	+6	NW	2	bc	53	97	8	4	-	-	2.3	2.3	2500	1026.3	0	WSW	2	c	56	97	8	2	-	-	7.8	9.7	2500	0	1	65	51	*	-	-	14.6												
	Scilly (St. Mary's) ...	183	1027.8	-2	NW	1	bc	56	97	8	4	-	-	9.6	9.6	2500	1026.6	0	NW'W	2	c	58	92	8	2	-	-	2.3	9.4	2500	0	1	63	53	*	-	-	15.1												
	Guernsey ...	175	1026.0	-2	N	2	c	55	97	7	2	1	-	4.6	7.8	800	1025.6	+2	N	2	bc	57	97	8	4	-	-	4.6	9.6	4000	0	2	62	51	47	-	-	14.8												
6	Pembroke ...	142	1026.4	-2	N'W	2	c	56	97	8	8	8	-	-	7.8	7.8	2500	1025.6	0	NE'N	3	c	56	85	8	5	-	-	9.7	9.7	2500	0	1	60	54	*	-	-	9.2											
7	Holyhead ...	26	1025.4	0	N'W	1	c	54	85	8	5	5	-	-</td																																				

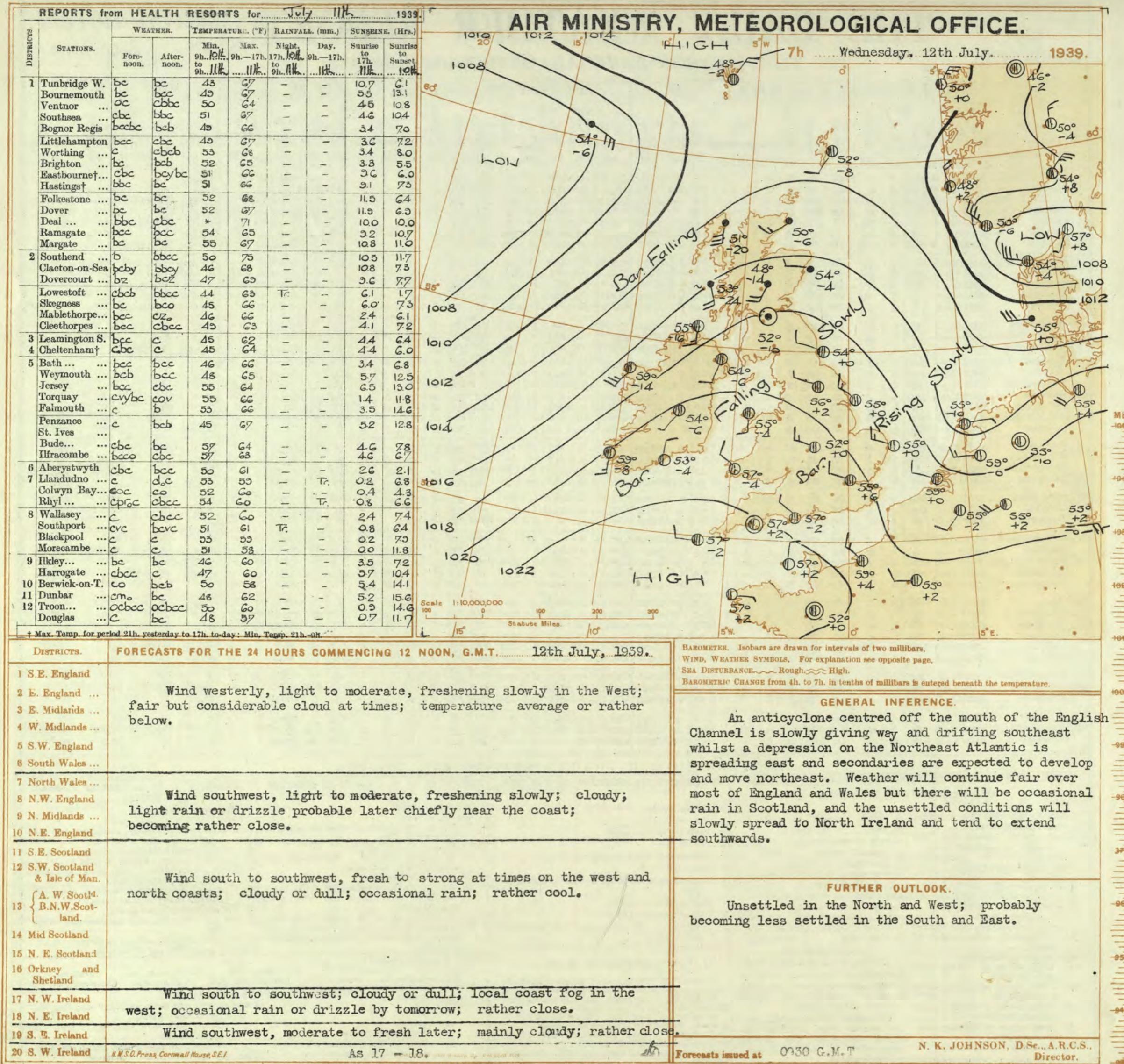
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

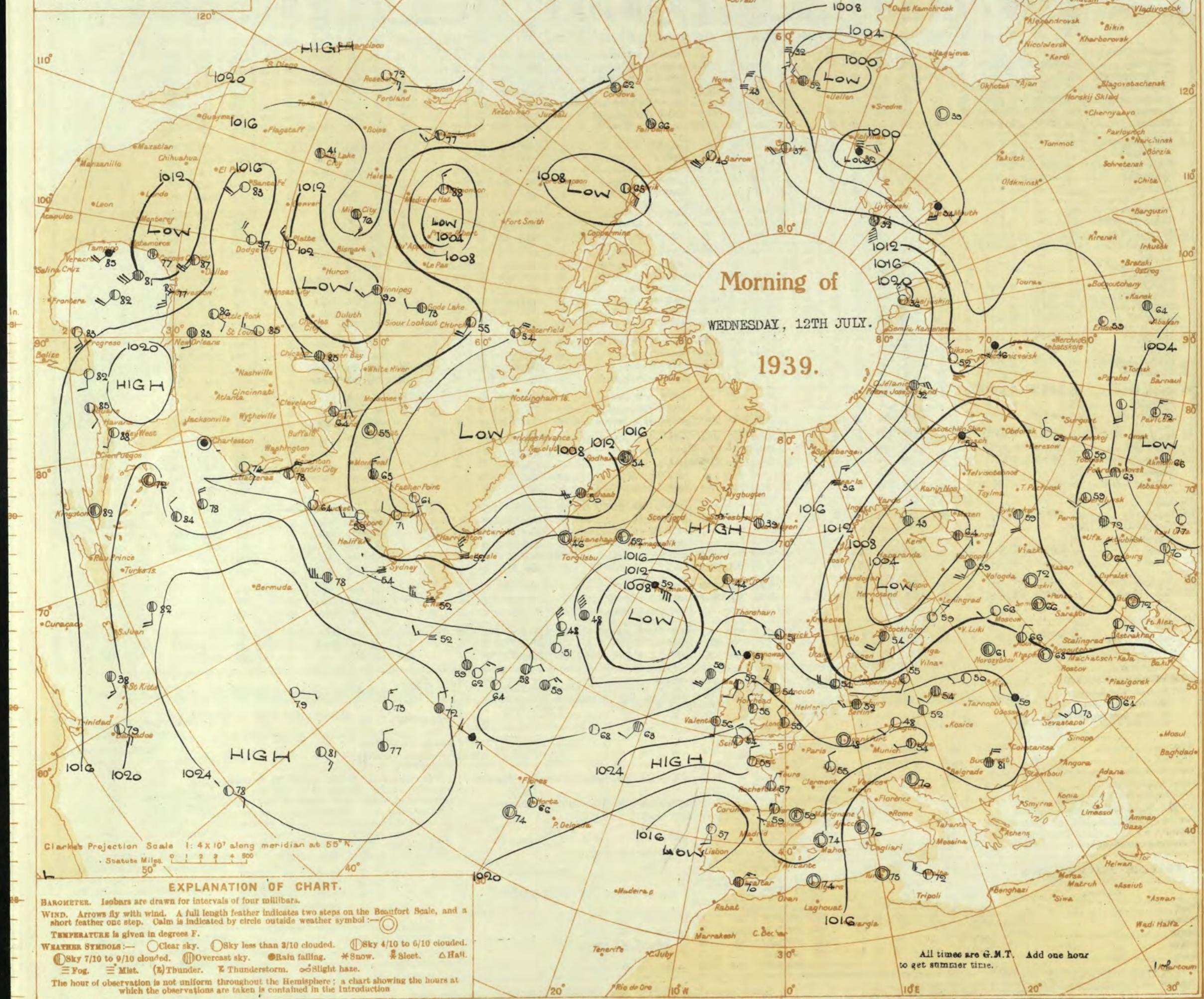
Wednesday, 12th July, 1939.
No. 28356.

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. July 11th												OBSERVATIONS at 18h. G.M.T. July 11th												PAST 24 HOURS.													
		Barom. mb. (1)	at M.S.L. (2)	Change in 3 hours. (3)	Wind. Dir. (4)	Temp. (5)	%Humid. (6)	Visibility 0-9 (7)	Cloud.						Barom. mb. (15)	at M.S.L. (16)	Change in 3 hours. (17)	Wind. Dir. (18)	Temp. (19)	%Humid. (20)	Visibility 0-9 (21)	Cloud.						State of Ground, 0-9 (22)	Sea. 0-9 (23)	WEATHER.									
									Form			Amount							Form			Amount							7h.-13h. ... 11h.		13h.-18h. ... 11h.		18h. 11h., to 1h. 12h. ... 12h.						
									Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet) (14)					Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet) (26)															
1	London (Kew) ...	1023.2	-14	NW	3	c	64	45	8	4	-	6	7-8	5	4000	1021.2	-10	NW	2	c	45	8	5	-	-	3+	4000	0	*	bzoy	cy	cy	c2o						
	Croydon ...	1023.3	-8	WS	2	c	64	55	8	4	-	1	7-8	7-8	4000	1021.2	-16	NW	2	c	55	8	4	-	-	3+	5700	0	*	bzoy	cy	gmcye	bcmo						
	S. Farnborough	1023.4	-10	WS	2	c	63	55	8	7	-	3	3+	3+	4000	1021.2	-12	NW	2	c	55	8	7	-	-	3+	5700	0	*	bzoy	cyc	cyc	e						
	Boscombe Down	1023.8	-10	WN	2	c	64	55	7	7	-	3	7-8	5	4000	1022.2	-8	NW	2	c	65	7	5	-	-	7-8	10	4000	0	*	bzoy	cabc	cabc	cbc					
	Calshot (Soton.)	1024.0	-6	WN	2	bc	64	55	8	5	3	4	4-6	4-6	2500	1021.8	-16	NW	3	c	63	7	5	-	-	3+	4000	0	2	bzoy	bzoy	bzoy	bzoy						
	Lyminge ...	1022.9	-8	SL	3	bc	67	65	9	2	-	1	4-6	4-6	2500	1021.3	-10	SL	2	c	63	7	1	4	1	2-3	4-6	4000	0	32	bzoy	bzoy	bzoy	bzoy					
	Manston ...	1022.6	-6	WN	3	z	65	55	6	1	-	3+	3+	4000	1020.7	-8	NN	2	c	64	55	6	2	-	3	9	4000	0	*	bzoy	bzoy	bzoy	bzoy						
2	Shoeburyness ...	1022.5	-6	WS	3	z	68	45	6	1	-	1	2-3	2-3	4000	1020.5	-8	NW	2	c	55	8	5	-	-	3+	4000	0	*	bzoy	bzoy	mcy	cyc						
	Felixstowe ...	1022.3	-6	SL	4	bc	67	55	7	8	-	1	4-6	4-6	2500	1020.2	-10	NN	3	c	66	55	6	4	6	3	1	4-6	4000	0	2	bzoy	bzoy	bzoy	cabc				
	Gorleston ...	1022.0	-4	SE	3	bc	60	75	6	5	1	-	2-3	4-6	2500	1019.8	-12	SE	3	c	60	85	6	4	-	3+	4000	0	3	bzoy	bzoy	cabc	cabc						
	Milden-hall ...	1022.0	-10	W	2	z	66	55	6	1	-	1	4-6	4-6	4000	1020.5	-2	NW	3	c	61	65	7	4	-	3+	4000	0	*	bzoy	bzoy	cabc	bzoy						
	Cranwell ...	1021.9	-8	W	3	z	62	65	6	8	-	1	7-8	5	2500	1021.0	-6	NN	2	c	59	65	6	5	-	3+	4000	0	*	bzoy	bzoy	bzoy	bzoy						
3	Birmingham ...	1023.4	-4	WN	2	c	57	65	8	7	-	3	3+	3+	4000	1022.2	-6	NW	2	c	54	75	6	5	-	3+	4000	1	*	bzoy	bzoy	cyc	c2o						
	Upper Heyford ...	1023.4	-6	WN	3	c	61	55	9	7	-	10	10	4000	1022.4	-4	NW	3	c	55	65	9	7	-	3+	4000	0	*	bzoy	bzoy	cyc	c2o							
4	Ross-on-Wye ...	1023.5	-6	WN	3	c	61	55	9	7	-	10	10	4000	1022.4	-4	NW	3	c	57	65	9	7	-	3+	4000	0	*	bzoy	bzoy	cyc	c							
5	Hartland Point	1024.7	-4	NN	2	c	60	75	5	2	3	-	2-3	7-8	2500	1023.7	-6	NN	2	c	59	65	5	2	3	2-3	7-8	2500	0	2	c	c	c	c					
	Bristol ...	1023.7	-12	WN	3	c	64	55	8	7	8	4-6	5	4000	1022.8	-6	NN	4	c	60	55	8	5	7	-	4-6	5	2500	0	*	bzoy	bzoy	cyc	c					
	Portland Bill ...	1024.5	-4	WS	3	c	60	85	8	2	-	7-8	7-8	4000	1023.1	-12	NN	2	c	61	85	8	5	-	10	10	4000	0	2	bzoy	bzoy	cyc	bzoy						
	Plymouth ...	1024.6	-6	SA	3	c	61	85	8	8	-	3	9	2500	1023.2	-6	NN	3	c	62	75	5	3	-	2-3	4-6	2500	0	0	c	c	c	c						
	The Lizard ...	1025.3	-4	W	3	c	62	85	8	8	7	3	2-3	7-8	2500	1023.3	-10	NN	4	c	60	75	6	8	3	-	4-6	5	2500	0	1	bzoy	bzoy	bzoy	bzoy				
	Scilly (St. Mary's) ...	1026.3	0	WN	3	c	62	85	8	8	7	3	2-3	7-8	2500	1024.7	-10	NN	4	c	61	85	8	8	3	-	4-6	5	2500	0	2	bzoy	bzoy	bzoy	bzoy				
	Guernsey ...	1025.3	-4	WN	3	bc	60	65	9	2	3	-	4-6	4-6	1500	1023.7</td																							



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

Hours of observation:—Azores,
Greenland, Ships, 0h. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 12th July, 1939
No. 28356.

DISTRICT.	STATION.	OBSERVATIONS at 1 hr. G.M.T. July 12 th												OBSERVATIONS at 7 hr. G.M.T. July 12 th												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. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			State of Ground.	Sea. 0-9	TEMPERATURE.				RAINFALL.				SUN-SHINE 11 th Hrs. (36)														
					Dir.	Force.					Form.	Amount.	Height of Base (feet)			Dir.	Force.					Form.	Amount.	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	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.6	+4	NW	2	Zo	56	75	6	5	-	6	23	94	1000	0	*	CG	54	47	-	-	9.2
	Croydon ...	217	1020.9	-4	NW	2	C	55	65	8	5	3	-	46	78	5700	1020.7	+6	NW	2	C	56	76	7	5	-	6	24	94	5700	0	*	G9	52	49	-	-	10.6											
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020.8	+2	WN	2	C	55	75	8	1	-	6	25	78	2500	0	*	G7	51	49	-	-	6.0
	Boscombe Down ...	417	1021.9	+4	WNW	2	C	51	85	7	5	-	-	94	94	5700	1021.9	0	NW	2	C	55	85	7	1	-	4	28	78	1500	1	*	G4	47	44	-	-	3.1											
	Calshot (Shuttleton) ...	8	1021.7	-2	WNW	2	C	53	75	7	7	-	6	0	78	1020.1	+2	WNW	2	C	55	75	7	1	-	6	20	78	-	0	*	66	51	48	-	-	3.4												
	Lympne ...	348	1020.0	-10	MNW	3	C	54	85	6	5	-	-	9	9	4000	1020.1	+2	MNW	3	Zo	53	75	5	0	-	7	20	78	0	*	G7	50	46	-	-	11.6												
	Manton ...	154	1019.8	-2	MW	2	Zo	57	65	6	5	-	-	10	10	5700	1019.8	+4	MW	3	C	55	75	6	5	-	7	23	94	4000	0	*	G8	53	49	-	-	8.4											
2	Shoebury Ness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.8	0	NW	3	C	55	75	7	7	-	8	0	94	-	*	70	49	92	-	-	10.6		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.2	-2	NW	3	C	55	78	7	5	-	7	0	10	0	*	70	52	80	-	-	10.7		
	Gorleston ...	5	1018.8	-6	W'S	2	C	54	75	6	5	-	-	94	94	2500	1019.2	0	WNW	3	bc	55	75	6	5	-	1	23	46	2500	0	*	G1	52	50	-	-	4.5											
	Mildenhall ...	19	1019.6	-6	W'N	2	C	52	85	7	5	-	-	10	10	5700	1019.3	+2	WSW	2	Zo	53	85	6	-	-	6	0	78	-	1	*	G3	48	44	-	-	8.1											
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019.7	-2	UNW	3	Zo	55	75	6	-	-	7	0	94	0	*	G4	48	46	-	-	6.8		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	0	WNW	3	C	52	85	6	-	-	7	0	10	-	1	*	G0	49	47	-	-	4.0	
4	Ross-on-Wye ...	498	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.1	0	NW	2	C	52	86	8	1	-	8	0	94	0	*	G3	49	45	-	-	4.2		
5	Hartland Point ...	299	1022.8	-4	NNW	2	C	56	85	9	5	2	-	46	94	1500	1021.7	0	NW	2	C	58	92	9	6	-	6	46	94	1500	0	2	G2	56	53	-	-	4.5											
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.6	+2	UNW	1	C	56	78	8	-	-	6	0	78	-	0	*	G5	50	45	-	-	S.1	
	Portland Bill ...	32	1022.5	+2	N	2	bc	56	92	8	8	-	-	46	94	4000	1021.7	-2	NW	1	C	57	85	8	5	-	7	2	78	9000	0	2	G2	55	*	-	-												
	Plymouth ...	82	1023.3	-6	NW	1	b	52	85	8	-	-	-	0	0	-	1022.5	+2	0	bc	57	85	8	5	-	7	2	23	46	4000	0	0	G4	51	45	-	-	1.5											
	The Lizard ...	240	1024.0	-4	NW	1	bc	50	97	8	8	-	-	23	23	2500	1023.5	-10	W'S	2	bc	56	92	8	8	-	23	23	2500	0	1	G5	49	*	-	-	6.2												
	Scilly (St. Mary's) ...	163	1024.3	-6	NW	2	bc	54	92	8	5	4	-	23	46	2500	1023.5	-10	W	2	c	57	97	8	8	-	3	3	46	78	1500	0	1	G4	51	*	-	-	6.3										
	Guernsey ...	175	1022.7	-8	NNW	2	b	54	92	9	-	-	-	0	-	-	1022.2	+2	N	2	bc	57	75	8	1	-	0	46	-	0	2	G3	52	49	-	-	12.9												
6	Pembroke ...	142	1022.6	-2	NNW	2	C	56	92	8	5	-	-	94	94	2500	1021.7	-4	NW	2	bc	57	92</td																										

Page 1.
**AIR
MINISTRY.**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 13th July, 1939.
No. 28357.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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, low fog over sea (coast station).
 fg, low fog over land (inland station).
 m, mist, visibility 1100-2200 yds.
 h, hail. i, intermittent.
 jf, fog at a distance, but not at station.
 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.
 q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, 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 R, heavy rain. r_o, slight rain.
 rr, continuous rain.
 <, less than (for cloud height). ☼gale.
 ☉ Solar halo. ☊lunar halo. ☐Aurora.
 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 Cb.
- 4 Sc formed by the spreading out of Cu.
- 5 Layer of St or Sc.
- 6 Ragged low clouds of bad weather (or fractonimbus).
- 7 Fair weather Cu and Sc.
- 8 Large-Cu (or Cb) and Sc.
- 9 Large-Cu (or Cb) and ragged low clouds of bad weather.

**COLUMNS 10, 24.—FORM OF MEDIUM
CLOUD.**

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

**COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.**

No cirriform cloud.
 Fine Ci not increasing : sparse.
 Fine Ci not increasing : abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing : usually in tufts.
 Ci or Cs increasing : still below 45° altitude : often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude : often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Ce predominating, and a little cirrus.
 may occur with any of the types I to 8).

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
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 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

Cloud form abbreviations:—
Cirrus.—Ci : Cirrocumulus.—Cc : Cirrostratus.—Cs : Altocumulus.—Ac : Altostratus.—As :

Stratus,-St : Nimbostratus,-Ns : Cumulus,

COLUMN 29—STATE OF GROUND.	
0 . . . Ground dry.	7 . . . Ground covered with snow, less than 6 ins., deep but ground not frozen.
1 . . . " wet.	8 . . . " covered with snow, less than 6 ins., but ground frozen.
2 . . . " flooded.	9 . . . " covered with snow greater than 6 ins. deep.
3 . . . " frozen hard and dry.	— . . . Fresh snow has fallen in the mountains.
4 . . . " partly covered with snow or hail.	
5 . . . " covered with ice or glazed frost.	
6 . . . " covered with thawing snow.	

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.

³ See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for July 12th, 1939.											
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL (mm.)		SUNSHINE. (Hrs.)			
		Forenoon.	Afternoon.	Min. 9h. 11h. 12h.	Max. 9h. 11h. 12h.	Night 17h. 18h. 19h.	Day. 9h. 10h. 11h. 12h.	Sunrise to 17h.	Sunrise to Sunsets.		
1 Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	cbc bbc bbc bbc bbc	50 50 53 53 52	65 70 64 65 65	- - - - -	- - - - -	6.0 7.6 8.7 7.2 6.5	11.7 5.5 5.1 4.6 4.4				
Littlehampton Worthing ... Brighton ... Eastbourne† Hastings† ...	bcc bc bc bc bcc	53 54 53 54 53	68 67 67 65 68	- - - - -	- - - - -	7.2 5.3 3.4 4.7 4.2	4.7 5.0 4.7 11.6 10.8				
Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	bcc bc bc bcm cbc	53 53 55 55 55	67 67 67 67 67	- - - - -	- - - - -	5.1 5.3 5.2 6.5	12.3 12.3 9.3 10.0 10.0				
2 Southend ... Clacton-on-Sea Dovercourt ...	bbc bc bcz	51 50 50	74 68 68	- - -	- - -	7.2 3.8 5.7	10.5 10.9 9.9				
Low-stoft ... Skegness ... Mablethorpe ... Cleethorpes ...	cbc bbc bcc cbc	51 48 46 48	66 63 63 65	- - - -	- - - -	4.3 4.5 3.3 5.1	6.1 6.0 2.4 4.1				
3 Leamington S. 4 Cheltenham†	bc bcqy	49 49	65 68	- -	- -	6.8 7.9	4.4 4.4				
5 Bath ... Weymouth ... Jersey ... Torquay ... Falmouth ... Penzance ... St. Ives ... Bude... Ilfracombe ...	bc cbc bc bbc cbc bc bc bc cbc	50 51 55 52 52 51 50 57	65 66 65 66 66 68 63 63	- - - - - - - -	- - - - - - - -	10.0 5.3 10.4 2.0 4.4 6.2 7.0 11.0	3.4 5.7 3.0 1.4 6.1 6.3 6.0 6.0				
6 Aberystwyth 7 Llandudno ... Colwyn Bay ... Rhyl ...	cbc bc cbc cbc	50 50 49 46	65 67 68 63	- - - -	- - - -	8.4 7.5 6.3 7.0	2.6 0.2 0.4 0.8				
8 Wallasey ... Southport ... Blackpool ... Morecambe ...	cbc cbc cbc cpbc	54 53 55 48	68 66 66 65	- - - Tr	- - - -	7.4 5.4 5.3 3.6	2.4 0.8 0.4 0.1				
9 Ilkley ... Harrogate ... 10 Berwick-on-T.	obc cbc obc	47 43 51	68 64 57	- - 0.2	- - 4	1.8 2.2 0.0	3.5 5.7 6.3				
11 Dunbar ... 12 Troon ... Douglas ...	crmo rraco bc	51 50 49	57 55 63	0.3 1 - -	4 1 -	0.0 0.0 4.2	5.3 1.7 2.3				

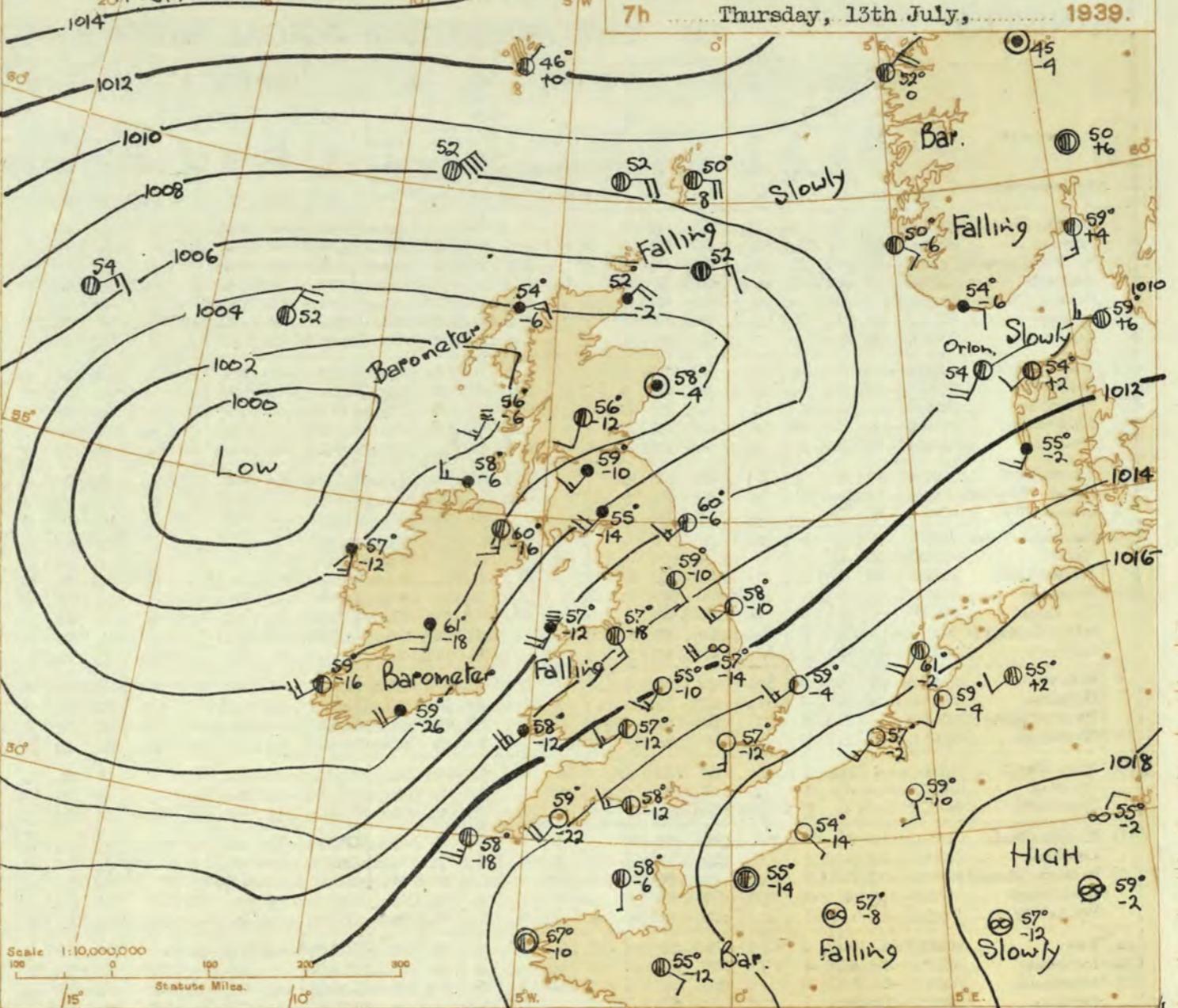
+ Max. Temp. for period 11h. yesterday to 17h. to-day; Min. Temp. 21h.-sh.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th July, 1939.
1 S.E. England	Wind southerly, moderate to light; fair to fine most of to-day; then thunderstorms or thundery rain; rather warm and close.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind south, moderate to fresh, veering southwest to-morrow; becoming cloudy with occasional rain and local thunderstorms; close.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Wind southerly, moderate, fresh locally on coast; cloudy or dull; occasional rain or drizzle; local thunderstorms likely later; local coast and hill fog; close.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Wind variable to southerly, light; dull; rain at times; close, then cooler.
13 A. W. Scotld.	
13 B.N.W. Scotld.	
14 Mid Scotland	Wind becoming easterly, moderate or fresh; cloudy or dull; coast fog in the East; occasional rain at first; rather cool.
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Wind southerly, becoming variable to northwesterly later, mainly light; cloudy; occasional rain, perhaps thunder locally; bright periods, thunder showers to-morrow; becoming rather cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 13th July, 1939.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Weather Symbols. For explanation see opposite page.

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 will move east-south-east over the British Isles and a shallow depression over the Bay of Biscay is likely to move northeastwards. Weather will be fair in southeast districts temporarily, but there will be occasional rain or drizzle in many other areas, and thunderstorms or thundery rains will develop widely during the period.

FURTHER OUTLOOK.

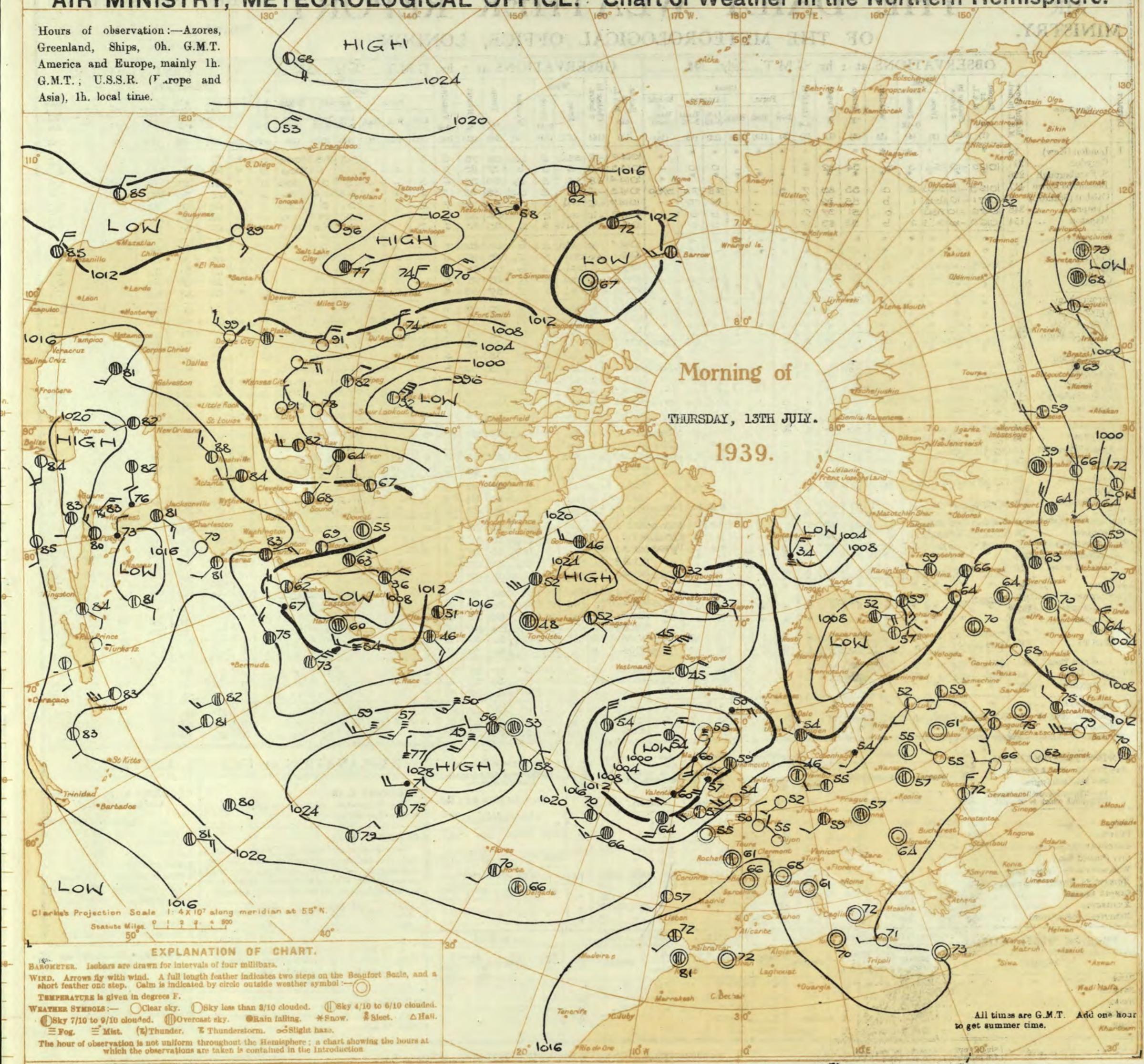
Unsettled with thunderstorms or thundery showers, but some bright periods.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR MINISTRY.

THE DAILY WEATHER REPORT

BRITISH SECTION

Thursday, 13th July, 1939.
No. 28357.

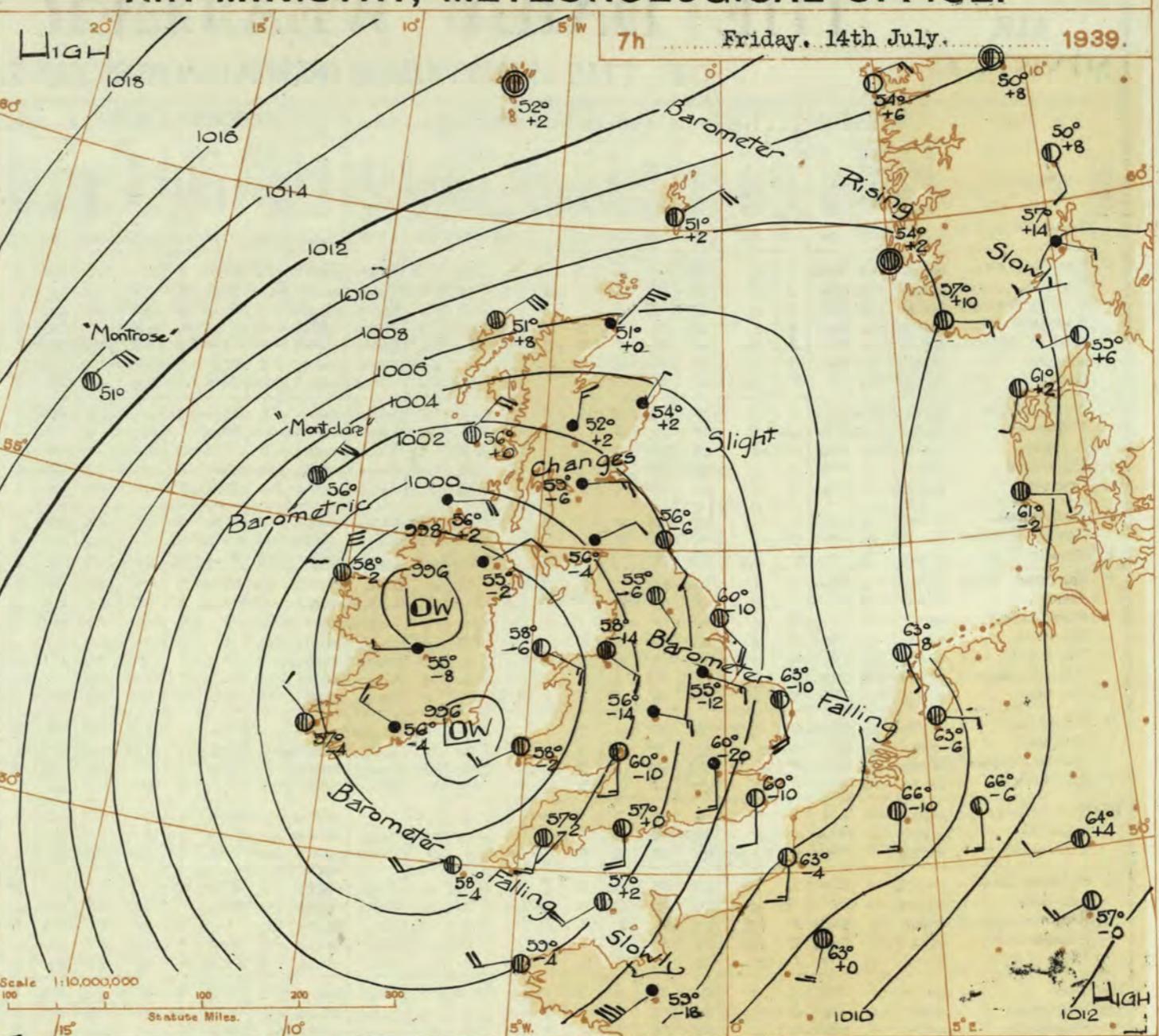
DISTRICT	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. July 13th												OBSERVATIONS at 7 hr. G.M.T. July 13th												PAST 24 HOURS.												
		Heights above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.			Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud.				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 Sea. (30)	Temperature.			Rainfall.			Sun-shine.		
					Dir. (3)	Force. (4)	Form. (9)					Low (10)	Med. (11)	High (12)	Amount. (13)	Height of Base. (feet) (14)	Dir. (17)	Force. (18)																				
1	London (Kew)	18	* * * * *	-10	S N	3	b	54	92	*	6	-	-	-	-	-	-	1014.7	-12	SSW	2	bc	55	75	6	5	-	1	2-3	2-3	4000	0	* 70	53	42	-	-	3.6
	Croydon	217	1012.0	-10	S N	3	*	b	54	92	*	6	-	-	-	-	-	1014.9	-12	S	3	b	57	85	7	1	4	-	1	1	2500	0	* 70	50	47	-	-	8.7
	S. Farnborough	226	1016.3	-10	S N	2	c	55	85	7	5	-	-	-	-	-	1014.4	-8	S	2	Z	55	92	6	5	-	-	3	3	800	0	* 65	47	38	-	-	9.7	
	Boscombe Down	417	1016.3	-10	S N	1	b	55	92	7	5	-	-	-	-	-	1014.3	-16	S	2	b	55	92	7	5	4	-	2-5	4-6	1500	0	* 68	50	46	-	-	9.7	
	Calshot (Saltham)	8	1017.1	-10	S N	1	b	51	97	7	5	-	-	-	-	-	1014.7	-12	S N	3	c	60	85	7	2	-	-	5	3	2500	0	* 68	53	49	-	-	9.6	
	Lyminge	346	1017.6	-10	S N	1	b	52	95	7	5	-	-	-	-	-	1016.2	-10	S A	2	c	56	92	7	5	-	-	3+	2+	800	0	* 66	50	44	-	-	6.0	
	Manston	154	1016.3	-10	S N	3	b	52	95	7	5	-	-	-	-	-	1015.2	-12	S W S	3	c	59	85	6	5	-	-	7-8	7-8	800	0	* 67	51	47	-	-	7.9	
2	Shoeburyness	11	* * * * *	-	S N	3	b	55	75	7	5	-	-	-	-	-	1014.7	-10	SSW	2	b	55	85	7	1	-	-	0	0	-	0	* 65	54	44	-	-	6.1	
	Felixstowe	15	* * * * *	-	S N	3	b	55	75	7	5	-	-	-	-	-	1015.1	-6	S N	3	Z	55	85	6	1	4	-	0	0	2	65	54	50	-	-	5.7		
	Orleston	5	1015.6	-10	S N	5	b	55	75	7	5	-	-	-	-	-	1013.9	-4	S N	3	b	55	75	7	1	4	-	0	0	2	65	52	50	-	-	5.7		
	Mildenhall	19	1015.2	-10	S N	5	b	52	85	7	5	-	-	-	-	-	1013.8	-10	S A	4	Z	57	85	6	1	4	-	0	0	1	65	51	44	-	1	6.3		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.0	-14	S A	4	Z	57	85	6	1	4	-	T	1	2500	0	* 68	48	43	-	-	7.5	
3	Birmingham	535	* * * * *	-	S N	3	b	55	85	8	4	-	-	-	-	-	1012.6	-10	SSW	3	b	55	85	6	5	-	5	T	1	1500	1	* 67	50	46	-	-	6.8	
4	Ross-on-Wye	408	* * * * *	-	S N	3	b	55	85	8	4	-	-	-	-	-	1014.6	-14	S S	3	b	53	97	6	5	4	5	4-6	4-6	220	1	* 63	48	42	-	-	*	
5	Hartland Point	299	1016.7	-12	S N	4	b	57	85	8	4	-	-	-	-	-	1011.7	-14	S A	4	c	58	85	8	4	-	-	7-8	9	1500	0	* 62	54	53	-	12.1		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.8	-16	SSW	3	b	58	95	8	4	-	-	0	2-3	-	0	* 68	51	42	-	-	13.8	
	Portland Bill	32	1017.4	-8	A	3	c	55	92	7	5	-	-	-	-	-	1015.5	-12	S N	5	b	58	92	8	5	-	-	4-6	4-6	4000	0	2	61	55	*	-	*	
	Plymouth	82	1017.3	-14	E	1	b	52	92	7	5	-	-	-	-	-	1013.7	-22	S N	4	b	55	85	7	2	3	-	T	1	4000	0	2	63	46	45	-	3.7	
	The Lizard	240	1017.2	-20	S	2	b	56	97	8	3	-	-	-	-	-	1015.3	-14	S E	3	c	57	92	8	2	2	-	7-8	9	2500	0	2	64	54	*	-	11.8	
	Scilly (St. Mary's)	163	1016.7	-20	S N	4	b	57	92	8	3	-	-	-	-	-	1012.4	-18	SSW	5	c/d	58	97	6	5	2	-	7-8	10	1500	1	3	65	57	*	-	0.2	
	Guernsey	175	1016.3	-4	N	1	b	53	97	8	3	-	-	-	-	-	1015.3	-6	S A	1	c	56	75	8	8	-	-	7-8	7-8	2500	0	0	63	49	47	-	-	13.9
6	Pembroke	112	1014.7	-12	S N	4	c	57	97	8	5	-	-	-	-	-	1010.5	-12	S A	5	r	58	97	5	5	-	-	10	10	1500	1	3	62	57	*	-	2	

REPORTS from HEALTH RESORTS for 30th July 1939.									
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Fore-noon.	After-noon.	Min. 9h. 12h. 13h.	Max. 9h. 12h. 13h.	Night. 17h. to 9h. 13h.	Day. 17h. to 9h. 13h.	Sunrise to 17h.	Sunrise to Sunset.
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	bcc b cb bbc bcbbc	bcb b bbc bbc bbc	47 50 55 55 51	69 68 71 69 65	- - - - -	- - - - -	8.6 11.1 8.3 9.5 8.2	7.7 7.7 10.0 8.2 7.8
	Littlehampton Worthing ... Brighton ... Eastbourne† ... Hastings† ...	bcb b bcb bc bbcb	bcb bbcc bbc bc bbc	50 53 54 57 54	64 65 66 66 67	- - - - -	- - - - -	8.9 9.2 7.4 10.3 9.8	8.7 7.6 4.7 6.7 5.3
	Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	b bc bcb bc bc	b bc bbc bc bc	52 56 * 55 54	65 65 69 66 69	- - - - -	- - - - -	7.2 8.4 10.6 8.8 9.6	5.9 5.8 7.3 5.8 9.5
2	Southend ... Clacton-on-Sea Dovercourt	bcb b bz	bcb bbc bc	54 54 52	75 67 68	- - -	- - -	10.3 11.0 11.7	7.6 4.3 6.4
	Lowestoft ... Skegness ... Mablethorpe... Cleethorpes ...	b bbc bbcb bbc	b bbc bbc bc	52 50 50 51	66 71 72 73	- - - -	- - - -	10.8 10.3 9.5 9.4	6.2 6.3 4.9 5.9
3	Leamington S. 4 Cheltenham†	c bccbcb	c bccbcb	49 52	70 69	- -	- -	6.2 10.1	7.1 8.8
5	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth	b b cbc wbv bccor	bbc b bc bbc corro	48 52 52 49 52	69 65 69 64 61	- - - - 3	- - - - 0.9	10.5 11.8 8.4 7.8 7.4	12.7 6.4 13.1 2.2 7.4
	Penzance ... St. Ives ... Bude ... Ilfracombe ...	rrrr rrrr bbcc bccbc	rrrr rrrr or bccpo	53 53 50 53	60 60 64 67	1 2 0.1 0.1	8 0.5 3.7 3.7	0.0 0.5 11.9 13.2	8.5 11.9 13.2
6	Aberystwyth	c	cir	56	64	-	0.3	0.0	11.3
7	Llandudno ... Colwyn Bay ... Rhyl ...	bc bcb cbc	c bbc bcc	56 56 57	69 68 68	- - -	- - -	4.7 4.0 3.5	9.9 8.8 9.7
8	Wallasey ... Southport ... Blackpool ... Morecambe ...	cbcc cbcc cbc cdro	c c cbc cbc	56 52 55 54	68 68 69 67	- - - Trace	0.1 0.1 0.6 0.1	2.7 1.1 6.8 3.8	10.6 6.8 7.3 3.8
9	Ilkley ... Harrogate ...	bc bcc	bc cbc	51 52	73 72	- -	- -	3.6 6.7	2.3 2.3
10	Berwick-on-T.	c	oirc	55	65	Trace	0.3	0.8	0.0
i1	Dunbar ...	cpr	cpr	53	67	0.3	0.3	0.2	0.0
12	Troon ... Douglas	rrorr rrrr	rroro cmir	54 55	60 65	3 3	5 5	0.0 0.0	0.0 4.9

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th July, 1939.
1 S.E. England	Wind south, veering toward southwest, moderate or fresh; dull, rainy at first; bright intervals, heavy showers, local thunder later; becoming rather cool.
2 E. England	Wind southeast, fresh, veering south, moderate; dull; thundery rain; brighter intervals tomorrow but with thundery showers; close at first, then cooler.
3 E. Midlands	Wind southwest, moderate to fresh perhaps strong later on the coast; frequent showers, heavy at times with local thunderstorms; rather cool.
4 W. Midlands	Wind northeast, mainly moderate, but strong at times on the north and northwest coasts; cloudy; occasional rain; coast fog in the east; fairer conditions spreading slowly from the north; cool.
5 S.W. England	Wind southeast to east, light to moderate; dull; rainy; heavy rain at times; cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind southeast to east, light to moderate; dull; rainy; heavy rain at times; cool.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A. W. Scotld. B. N. W. Scot- land.	Wind northwest to north, moderate inland, fresh perhaps strong on the coast; frequent showers, heavy at times; local thunder; cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	As 19-20.
18 N. E. Ireland	As 12-16.
19 S. E. Ireland	Wind northwest to north, moderate inland, fresh perhaps strong on the coast; frequent showers, heavy at times; local thunder; cool.
20 S. W. Ireland	H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A deep complex depression centred over Ireland will move slowly east and maintain very unsettled weather generally with considerable rainfall in many districts.

FURTHER OUTLOOK.

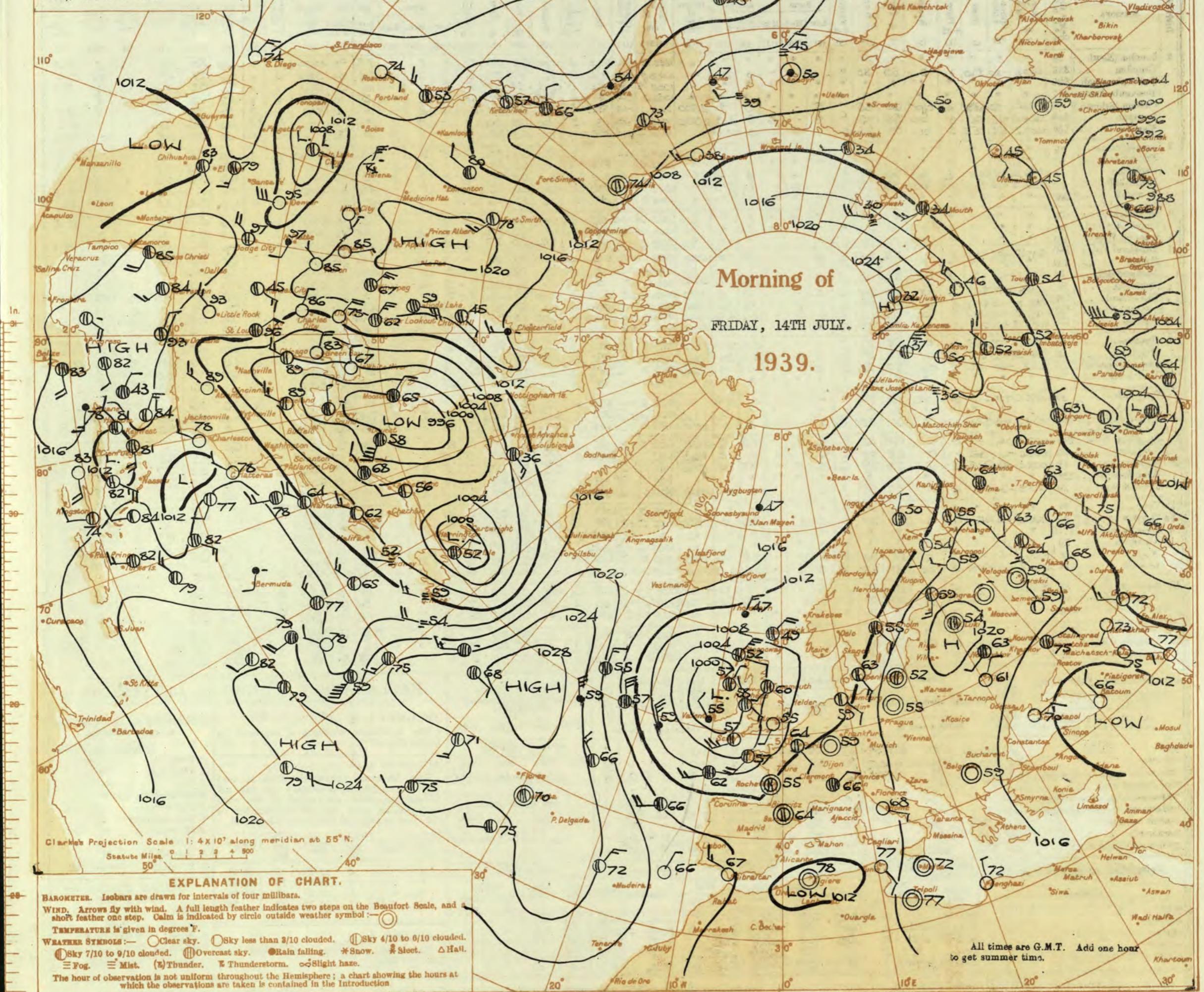
Very unsettled except in the Northwest.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 14th July, 1939.
No. 28358.

District.	Stations.	Observations at 1 hr. G.M.T. 14th July														Observations at 7 hr. G.M.T. 14th July														Past 24 Hours.													
		Heights above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.			Temp. °F.	Humid.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.			Temp. °F.	Humid.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.			Temp. °F.	Humid.	Cloud.			State of Ground.	Sea.	Temperature.				Rainfall.				Sun-shine hrs.
					Dir.	0-12	0-Force.			Weather.	%	0-9			Dir.	0-12	0-Force.	Weather.	%	Low	Med.	High	Low	0-10	Total	Height of Base (feet)	Dir.	0-12	0-Force.	Weather.	%	Low	Med.	High	Low	0-10	Total	State of Ground.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.8	-16	SSE	3	C/pr	60	85	7	5	2	-	7-8	+	2500	1	*	69	53	44	-	2	93		
	Croydon ...	217	1007.0	-20	S'W	1	b	55	85	7	-	-	-	0	0	-	1003.7	-20	S'E	3	i	60	85	8	5	7	-	7-8	+	500	0	*	70	53	47	-	0	90					
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.5	-8	SE	3	d,d	58	97	G	5	7	-	10	10	1500	1	*	70	52	46	-	1	93			
	Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.0	-14	S	4	RR	58	97	G	2	-	9	10	800	1	*	67	54	52	-	8	11.1					
	Calshot (Stmtn.) ...	8	1006.0	-20	SE'S	4	c/pr	60	85	7	5	-	9	9	2500	1002.1	-14	SSE	5	r	60	97	G	2	-	9	10	800	1	*	70	58	56	-	8	97							
	Lymnpe ...	346	1008.0	-22	SE	3	bc	59	75	7	5	-	6	Tr	2-3	2500	1005.6	-10	S	2	bc	60	92	7	5	9	10	800	1	*	67	56	50	-	8	86							
	Manston ...	154	1007.2	-22	S'E'E	3	bc	59	75	6	-	7	0	4-6	1004.4	-14	SSE	3	c	63	75	7	5	9	9	0	4-6	-	1000	0	*	69	55	52	-	9	96						
2	Shoeburyneas ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.5	-14	S	3	C	62	85	8	5	9	-	4-6	9	5000	0	*	72	58	52	-	-	11.1				
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004.7	-8	S'W	4	C	63	85	8	5	3	4	0	54	-	0	2	70	58	57	-	-	11.8				
	Gorleston ...	5	1006.9	-10	SSW	3	bc	56	86	7	-	4	-	0	4-6	-	1005.0	-10	S'E	4	C	63	75	G	5	7	-	8	0	78	-	0	68	56	53	-	-	11.1					
	Mildenhall ...	19	1006.3	-14	S'W	2	bc	56	75	7	-	3	-	0	2-3	-	1003.5	-10	SSE	2	c/r	60	75	7	5	7	-	4-6	94	4000	1	*	71	49	43	-	Tr	8.8					
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1002.8	-12	SE	3	i	55	92	G	5	7	-	0	94	-	0	*	71	54	48	-	Tr	10.7					
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.6	-14	SE	3	r	56	97	G	5	7	-	10	10	450	1	*	69	53	52	-	4	84					
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.9	-18	SE'S	3	i	56	97	G	5	7	-	7-8	10	800	1	*	69	54	52	-	3	8.1					
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	999.5	-10	S	3	dc	60	85	8	5	7	2	4-6	46	2500	1	*	70	55	54	-	4	8.1					
6	Pembroke ...	142	999.3	-18	SSW	3	bc	58	97	7	5	-	4-6	4-6	2500	997.2	-2	SW	3	C	58	92	8	5	7	-	9	9	1500	1	2	59	55	54	-	8	1.1						
7	Holyhead ...	26	999.3	-18	SE	3	c/r	58	97	8	5	7	5	8	4-6	24	996.9	-6	SE	3	c/r	58	97	8	5	7	-	7-8	7-8	2500	1	2	62	55	54	-	7	0.0					
8	Chester (Sealand) ...	16	1002.1	-18	SE	2	o/r	57	92	6	5	-	10	10	1500	998.8	-14	SE'S	3	z	58	92	6	5	2	-	7-8	10	1500	1	*	68	55	55	-	6	2.6						
9	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.1	-10	SE	4	c	59	85	7	5	2	-	7-8	10	800	1	*	69	55	55	-	Tr	2.1					
10	Spurn Head ...	29	1005.0	-10	S'W	3	bc	58	97	7	5	-	4-6	4-6	2500	997.2	-2	SW	3	C	58	92	8	5	7	-	9	9	1500	1	2	59	55	54	-	8.8	0.8						
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001.6	-6	SE	2	c/d	55	92	6	5	2	-	7-8	10	450	1	*	69	52	50	-	0.4	6.2					
	Tynemouth ...	108	1003.8	-10	SW	1	C	60	85	6	-	9	9	1500	1002.2	-6	SSE	2	c	56	92	5	5	2	-	7-8	10	450	1	1													

Page 1.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 15th July, 1939.
No. 28359.

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 14 th July.										OBSERVATIONS at 18h. G.M.T. 14 th July.										PAST 24 HOURS.																																																																																																																																																														
		Barom. at M.S.L. (1)		Change in 3 hours. (2)		Wind. Dir. 0-12 (3)		Temp. °C (4)		Humid. g-e (5)		Visibility 0-6 (6)		Cloud. Form. (7)				Amount. Low (8)				Height of Base (feet) (14)				Barom. at M.S.L. (15)		Change in 3 hours. (16)		Wind. Dir. 0-12 (17)		Weather. Temp. °C (18)		Cloud. Form. (19)				Amount. Low (20)				Height of Base (feet) (21)				State of Ground. Sea. 0-9 (22)		WEATHER. 7h.-13h. 14 th (23)																																																																																																																																				
		Barom. at M.S.L. (1)		Change in 3 hours. (2)		Wind. Dir. 0-12 (3)		Temp. °C (4)		Humid. g-e (5)		Visibility 0-6 (6)		Cloud. Form. (7)				Amount. Low (8)				Height of Base (feet) (14)				Barom. at M.S.L. (15)		Change in 3 hours. (16)		Wind. Dir. 0-12 (17)		Weather. Temp. °C (18)		Cloud. Form. (19)				Amount. Low (20)				Height of Base (feet) (21)				State of Ground. Sea. 0-9 (22)		WEATHER. 7h.-13h. 14 th (23)																																																																																																																																				
1	London (Kew) ...	1002.1	-2	SW's	4	c	65	65	8	8	3	1	9	9+	2500	1002.2	-2	SSW	4	bc	65	65	8	8	-	1	4-6	4-6	0	*	cidoc	cpr,cbc	bcbbc	cpcc	dodoc	cbe	cbew	cpcc	dodoc	void	cpr,c	bcb	cpcc	1002.9	-4	S'E	4	c	66	75	8	2	6	-	4-6	7-8	4000	0	*	1001.9	+4	S	4	c/pr	62	75	8	2	3	-	1	2-3	4-6	4000	1	*	1001.0	+2	J'U	5	e	62	75	7	8	7	-	4-6	9-	2500	0	*	1002.3	+4	SSW	4	c	64	85	8	2	7	-	9	9+	1500	1002.5	+2	SSW	5	cjp	61	85	8	2	-	1	4-6	7-8	1500	0	*	1005.2	-4	S	4	r,r,o	59	92	6	6	2	-	9+	10	800	1004.8	-2	SSW	3	bc	63	75	9	8	1	2-3	4-6	4000	0	*	1004.3	0	S'E	5	ir,o	62	85	6	6	2	-	2-3	10	1500	1003.7	+2	S'W	9	c	66	65	8	8	3	1	7-8	2500	1	*
2	Shoeburyness ...	1004.2	+2	S	4	r,r,o	61	97	7	6	2	-	9	10	800	1003.2	-4	SSW	3	bc	67	75	8	2	4	1	1	4-6	4000	0	*	1004.3	+4	S'W	5	c/d	62	85	6	6	7	-	9	10	800	1003.2	-2	S	5	bc	66	75	7	1	3	3	4	1	4-6	2500	0	3	1003.7	-6	S	5	pr	65	85	6	6	2	-	9+	10	2500	1003.2	+2	S'W	5	c/r	65	75	7	2	-	9	7	2	2-3	4-6	4000	0	3	1002.0	-4	S'W	5	c/r	65	75	7	2	-	9	10	2500	1004.4	+2	SSW	2	c	63	85	8	3	2	2-3	7-8	2500	1	*	1000.6	+10	SE	5	ir,r	63	92	6	8	3	-	9+	9+	1500	1000.4	+2	SSW	0	sw	59	85	8	3	1	7-8	2500	1	*																														
3	Birmingham ...	999.2	-4	S	3	PR	65	65	8	8	-	1	7-8	9	2500	1000.2	+2	SSE	3	c	59	85	8	8	6	1	7-8	9	2500	1000.9	+2	S	4	c	62	75	8	8	3	1	7-8	9	2500	1000.8	+2	SSE	0	sw	59	85	8	6	-	9+	9+	2500	1	*	1000.7	+2	S	4	c	65	75	8	3	-	7-8	9	2500	1000.9	+2	S	4	PR	59	85	8	3	-	9	9+	2500	1	*	999.0	0	S	4	c/pr	65	75	8	3	1	7-8	9	2500	999.8	+2	SSW	0	sw	59	85	8	6	-	9	9+	2500	1	*																																																																		
4	Ross-on-Wye ...	999.0	0	S	4	c/pr	65	75	8	3	-	1	7-8	9	2500	998.2	-4	SSW	9	bc	60	85	8	8	4	-	2-3	9-6	1500	998.3	-2	SSW	9	pr	57	92	8	8	7	-	2-3	9-6	1500	1	3	999.8	+4	L	SL	4	c/pr	59	85	8	6	-	4-6	9-6	1500	1000.5	+6	S	2	pr	57	92	8	8	7	-	4-6	9-6	1500	1	3	999.8	+2	SSW	4	c/pr	59	92	8	5	-	4-6	9-6	1500	1001.9	+8	L	SL	4	c/pr	60	85	8	9	3	-	7-8	9	1500	1001.9	+8	L	SL	4	c/pr	60	85	8	6	-	4-6	9-6	1500	1001.9	+8	L	SL	4	c/pr	60	92	8	4	3	-	4-6	9-6	1500	1001.9	+8	L	SL	4	c/pr	60	92	8	5	3	-	4-6	9-6	1500	1001.9	+8	L	SL	4	c/pr	60	92	8	3	-	4-6	9-6	1500	1001.9	+8	L	SL	4	c/pr	60	92	8	4	3	-	4-6	9-6	150				

REPORTS from HEALTH RESORTS for 14th July. 1939.										
Districts.	WEATHER.		TEMPERATURE, (°F)		RAINFALL, (mm.)		SUNSHINE, (Hrs.)			Sunrise to Sunset, 13h.
	Forenoon.	Afternoon.	Min. 9h. 13h. 14th	Max. 9h. 17h. 14th	Night 17h. 18h. 14th	Day 9h. 17h. 14th	Sunrise to 17h. 14th	Sunrise to 17h. 14th	Sunrise to Sunset, 13h.	
1 Tunbridge W.	odop	ocbc	53	69	Trace	1	3.4	8.8		
Bournemouth	co	opc	55	63	9	0.5	1.9	12.3		
Ventnor	rof	cbbc	58	64	5	Trace	3.5	9.6		
Southsea	copo	ocbc	59	66	6	0.3	3.4	10.5		
Bognor Regis	rocbc	bc	59	64	4	Trace	4.4	8.2		
Littlehampton	cpcbc	bc	59	69	4	Trace	4.8	9.2		
Worthing	...	babbcb	59	65	3	-	3.9	9.4		
Brighton	...	bcb	59	64	1	0.1	3.3	7.4		
Eastbourne	...	rodo	58	66	0.4	1	3.1	10.3		
Hastings†	...	rood	58	64	-	3	3.7	10.4		
Folkestone	ccror	ircbc	57	70	-	1	4.8	8.6		
Dover	...	bcoro	59	66	-	2	5.4	9.2		
Deal	...	bebec	57	67	-	Trace	3.7	11.4		
Ramsgate	...	bcoed	59	65	-	1	4.4	9.0		
Margate	...	cpbc	57	69	-	1	4.4	10.2		
2 Southend	copc	cpbcb	57	70	-	Trace	3.0	10.8		
Claughton-on-Sea	bccir	cirbc	60	66	-	0.3	2.1	11.5		
Dovercourt	...	bc	59	66	-	Trace	3.7	12.1		
Lowestoft	bebcb	cprbc	56	67	-	Trace	6.6	11.9		
Skegness	ocbco	rorc	58	68	-	Trace	2.0	12.8		
Mablethorpe	cop	cbbc	52	69	-	Trace	1.4	11.2		
Cleethorpes	beccr	irbc	51	66	-	2	1.9	10.5		
3 Leamington S.	rc	c	49	68	4	-	2.3	6.7		
4 Cheltenham†	cpoc	bccp	55	69	4	Trace	5.1	10.7		
5 Bath	...	bccp	57	68	5	0.3	6.2	10.5		
Weymouth	...	cbb	57	65	6	-	7.0	11.8		
Jersey	...	rebcc	56	65	5	1	3.1	10.6		
Torquay	...	cpobc	57	65	11	0.8	5.4	7.8		
Falmouth	...	cucor	56	65	21	0.3	7.4	0.9		
Penzance	...	poc	54	66	8	Trace	4.8	0.0		
St. Ives	...	bbep	56	64	8	0.4	4.9	0.5		
Bude	...	rrcbc	53	65	15	1	6.0	3.7		
Ilfracombe	...	pcbc	53	65	-	1	3.8	0.0		
6 Aberystwyth	prabc	prbc	57	64	8	1	3.4	4.7		
7 Llandudno	...	cirbc	57	66	4	1	3.6	4.0		
Colwyn Bay	...	cbbc	57	69	3	0.3	4.0	3.5		
Rhyl	...	prabc	57	67	4	0.3	4.0	3.5		
8 Wallasey	...	cok	56	67	5	8	3.7	2.9		
Southport	...	pocp	55	69	7	3	2.8	1.1		
Blackpool	...	orc	55	69	10	2	3.2	0.6		
Morecambe	...	cdrp	57	66	5	3	1.5	0.1		
9 Ilkley	...	o	54	69	1	3	0.0	4.6		
Harrogate	...	otor	53	62	1	7	0.4	7.7		
10 Berwick-on-T.	...	tir	53	62	2	6	0.8	0.8		
11 Dunbar	...	omoro	54	57	Trace	2	0.0	0.2		
12 Troon	...	rrorr	57	65	9	1	1.0	0.0		
Douglas	...	bcpr	50	62	12	Trace	4.7	0.0		

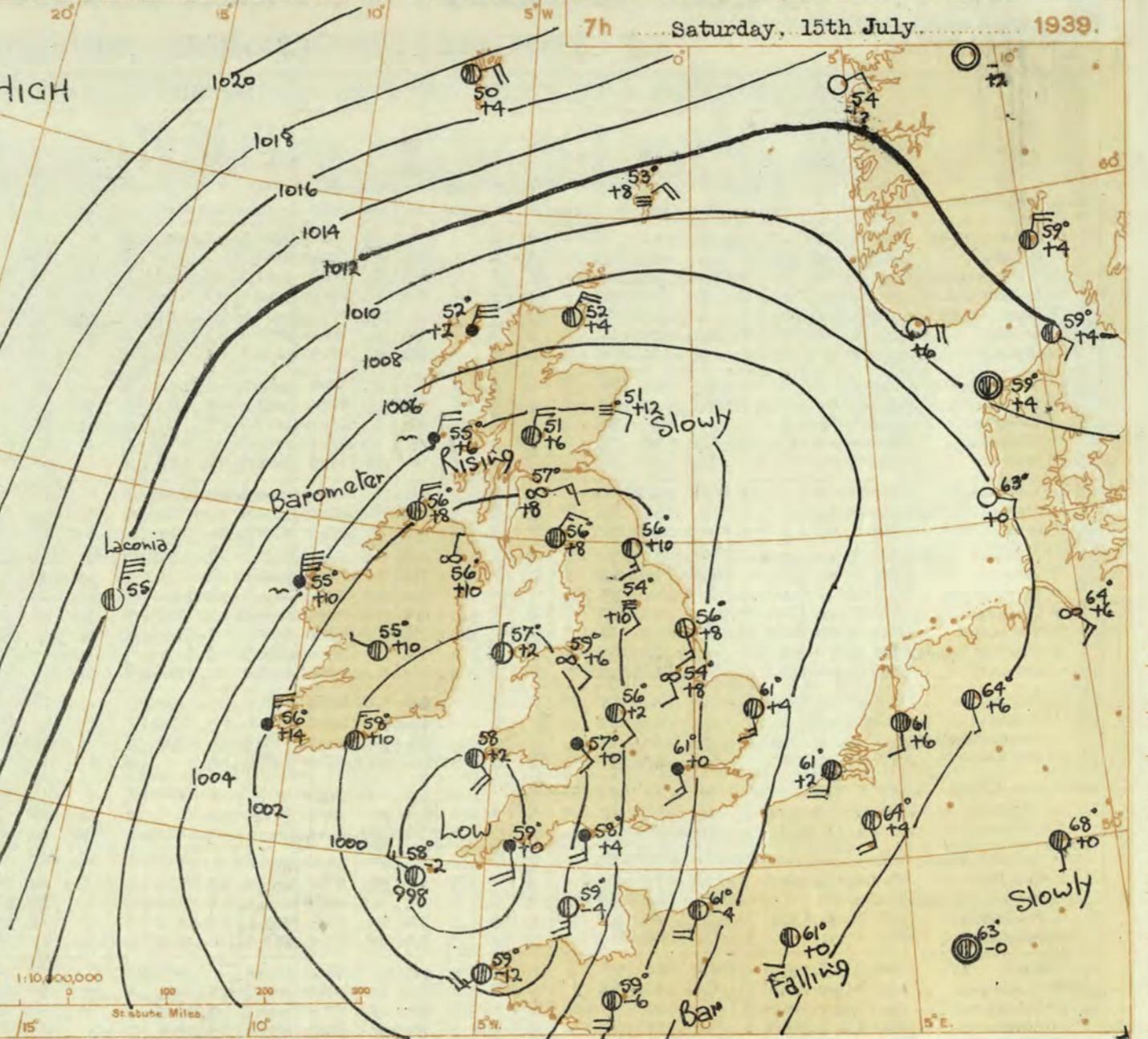
Max. Temp. for period 21h. yesterday to 17h. today; Min. Temp. 21h. -9h.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th July, 1939.

- 1 S.E. England Wind southerly, backing towards east, moderate to light: variable sky; showers with local thunder; some morning fog: warm and close.
- 2 E. England ...
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England Wind variable light, becoming northwest moderate; showery; local thunder likely; some brighter periods; close.
- 6 South Wales ... Wind easterly, light; variable sky; showery; local thunderstorms; some bright intervals; rather warm and close.
- 7 North Wales ...
- 8 N.W. England Wind easterly, light; variable sky; showery; local thunderstorms; some bright intervals; rather warm and close.
- 9 N. Midlands ...
- 10 N.E. England Wind becoming easterly light; foggy on east coast; fairer periods inland but local thundery rain; cool on the coast, warmer inland.
- 11 S.E. Scotland Wind northeast, moderate or fresh; mainly dull at first, somewhat brighter later; becoming rather warm and close.
- 12 S.W. Scotland & Isle of Man Wind northeast to east, fresh to moderate; mainly cloudy or dull; rather persistent coast fog; cool on the coast.
- 13 A. W. Scotland Wind north to northeast, moderate inland, fresh or strong on west coast; cloudy and brighter periods; showery; perhaps thunder locally; rather close.
- 14 Mid Scotland
- 15 N. E. Scotland
- 16 Orkney and Shetland Wind north to northeast, moderate inland, fresh or strong on west coast; cloudy and brighter periods; showery; perhaps thunder locally; rather close.
- 17 N. W. Ireland
- 18 N. E. Ireland
- 19 S. E. Ireland
- 20 S. W. Ireland

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

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 lies to the northwest of the British Isles. A depression centred over Cornwall and shallow disturbances from the Continent are expected to maintain low pressure over most of Western Europe. Warm, close, thundery weather will occur over England and Wales, but conditions will become mainly fair over most of Scotland and Northwest Ireland.

FURTHER OUTLOOK.

Mainly fair in the Northwest; close thundery weather in England and Wales.

Times of issue of Gale Warnings.

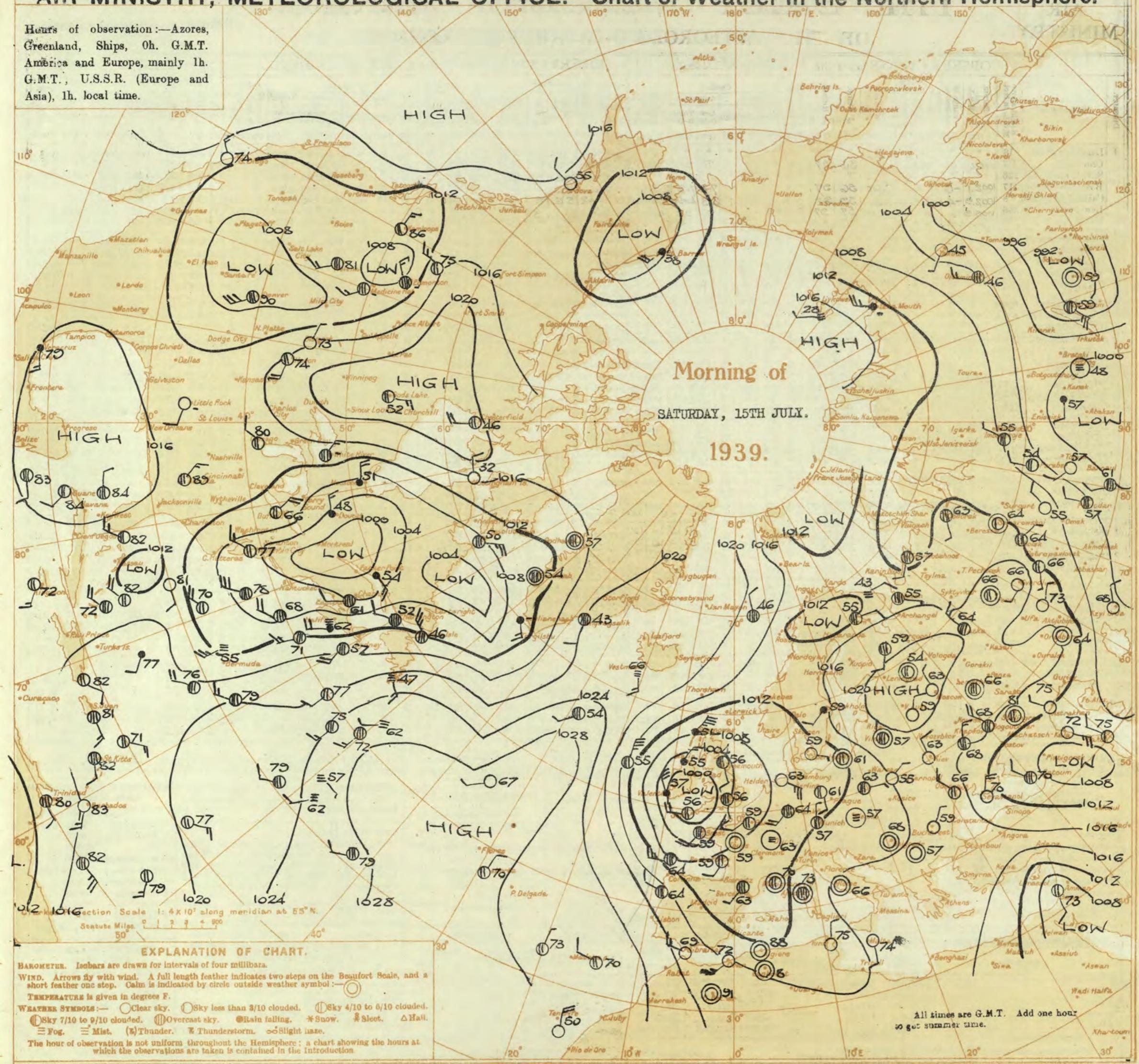
▲ North Cone hoisted at 1405 G.M.T. on 14/7/39 in districts 13A, 13B, 17, and part of 20.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

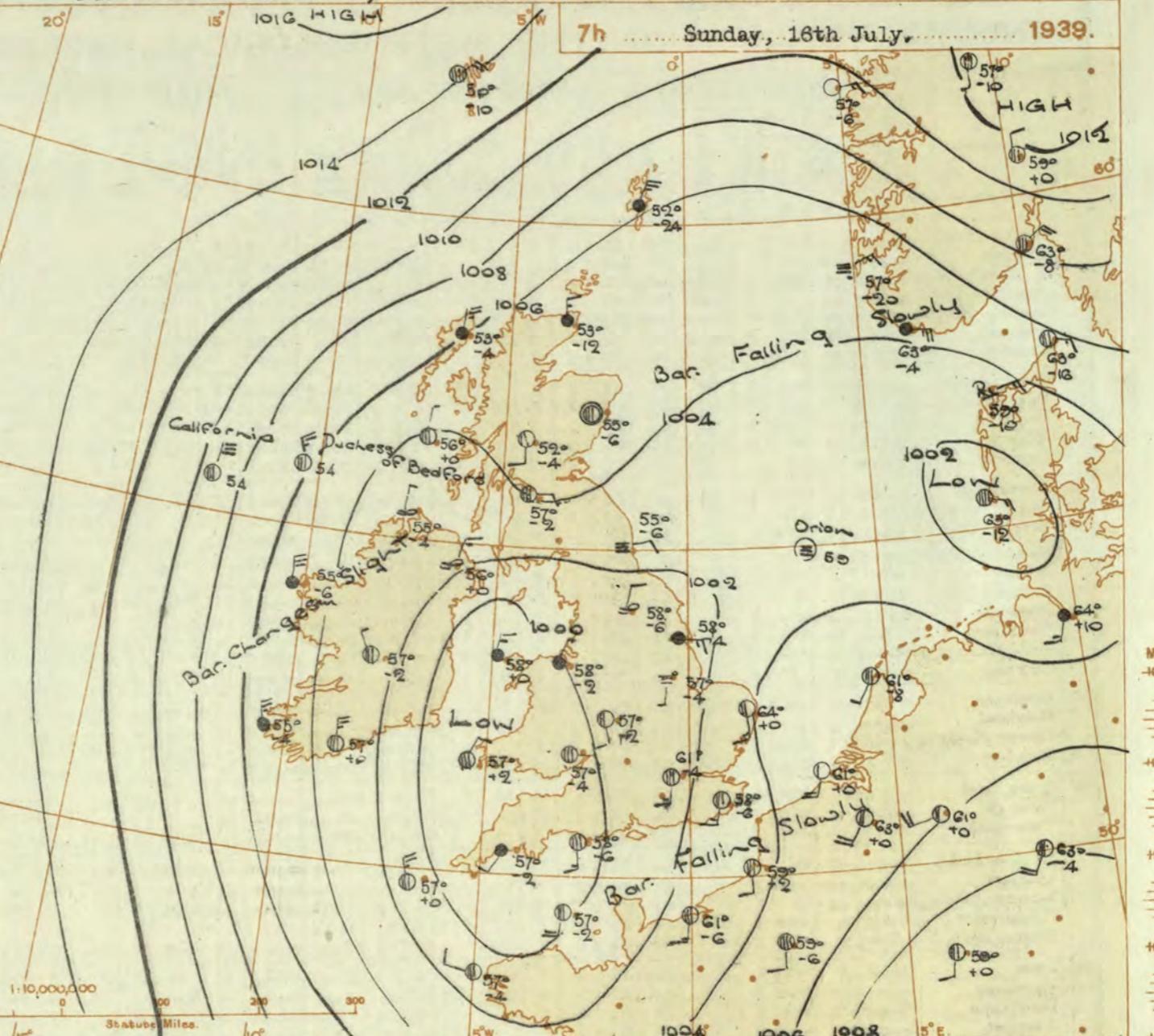
Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T., U.S.S.R. (Europe and Asia), 1h. local time.



REPORTS from HEALTH RESORTS for		15th July 1939.							
DISTRICT	STATIONS.	WEATHER.	TEMPERATURE. (°F)	RAINFALL. (mm.)	SUNSHINE. (Hrs.)				
		Forenoon.	Afternoon.	Min. 9h. 14th to 9h. 15th.	Max. 9h. 15th.	Night. 17h. 14th to 9h. 15th.	Day. 17h. 15th.	Sunrise to 7h. 15th.	Sunrise to Sunset. 14th.
	Tunbridge W.	c	c	55	72	Trace	-	8.6	5.4
	Bournemouth	cop	roc	56	65	3	3	5.5	2.4
	Ventnor	pbc	bcp	60	70	1	2	3.3	4.1
	Southsea	cbc	cpc	58	68	1	1	4.3	4.2
	Bognor Regis	bc	bcp	58	65	-	0.5	7.6	6.2
	Littlehampton	bc	bvpbc	59	68	-	0.1	7.9	6.8
	Worthing	b	bbcb	59	66	-	-	8.4	6.2
	Brighton	b	bcb	59	69	-	-	8.0	5.5
	Eastbourne†	b	b	58	69	0.1	-	11.3	4.5
	Hastings†	b	bccbc	58	67	0.5	-	8.1	5.2
	Folkestone	b	bcbc	57	70	0.5	-	7.9	6.7
	Dover	b	bc	58	67	1	-	10.0	6.8
	Deal	b	bccbc	57	71	1	-	10.5	7.0
	Ramsgate	abc	bc	53	66	Trace	-	8.0	5.4
	Margate	b	bcb	57	65	0.5	-	9.5	5.7
2	Southend	bcb	b	57	73	-	-	10.2	4.8
	Clacton-on-Sea	bc	bc	59	66	-	-	10.4	5.3
	Dovercourt	bc	bc	58	68	-	-	11.2	5.5
	Lowestoft	beebc	b	56	66	Trace	-	9.8	8.1
	Skegness	bcoro	crcb	55	72	-	3	7.1	9.2
	Mablethorpe	bc	bcp	51	65	-	0.5	7.2	1.4
	Cleethorpes	bc	bcpbc	49	67	-	Trace	6.2	2.1
3	Leamington S.	ore	ore	55	66	0.5	8	1.3	3.0
4	Cheltenham†	corrc	cirrc	54	65	2	6	1.0	5.2
5	Bath	air	cirbc	56	67	4	4	2.6	6.2
	Weymouth	ri	cb	57	65	2	1	3.8	8.9
	Jersey	rcbc	cpr	58	66	0.6	4	3.7	5.3
	Torquay	prpbc	bey	58	65	8	5	5.1	5.8
	Falmouth	cvgar	otrc	55	66	1	11	3.6	7.8
	Penzance	cpebc	bcbcc	55	67	5	-	7.2	6.0
	St. Ives								
	Bude	bcp	cplc	56	64	0.6	0.2	2.8	6.5
	Ilfracombe	po	rebs	53	63	0.5	4	2.0	8.2
6	Aberystwyth	prcp	pbcb	55	65	1	3	0.7	4.4
7	Llandudno	cpebc	crcb	53	66	Trace	3.3	3.5	
	Colwyn Bay	cbc	bccbc	51	68	1	-	3.1	3.8
	Rhyl	cbc	cprbc	59	70	3	0.2	3.6	4.0
8	Wallasey	ebca	pbccp	57	68	7	1	5.7	4.7
	Southport	bcgc	crgt	53	71	4	1	4.4	3.3
	Blackpool	cbc	bcbcc	54	70	2	0.3	3.5	3.5
	Morecambe	bcv	bcd	57	69	0.3	2	2.6	9.4
9	Ilkley	bcpbc	opobc	54	66	2	4	2.3	0.2
10	Harrrogate	abc	tl&r	52	65	-	5	3.6	0.5
11	Berwick-on-T.	bc	bcbcc	53	60	3	-	8.9	0.0
12	Dunbar	bew	bew	53	60	4	-	8.7	0.0
	Troon	oro	rr	55	63	15	*	*	1.0
	Douglas	bcz	bcz	56	66	-	-	6.1	6.4

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th July, 1939.

DISTRICT	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th July, 1939.
1 S.E. England	Moderate south to southeast wind; bright periods; showers; local thunderstorms; fog patches on coast; average temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light variable wind, becoming northerly, moderate to fresh; bright periods, local thunderstorms; rather cool.
6 South Wales	
7 North Wales	
8 N.W. England	Moderate northeast winds; bright intervals; local thunderstorms; average temperature.
9 N. Midlands	
10 N.E. England	Light easterly winds; cloudy; local thundery rain; fog on coast; rather cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	As 8 - 9.
13 { A. W. Scotland B. N.W. Scotland	Fresh to strong north to northeast wind; cloudy, occasional rain; local coast fog; rather cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	Fresh to strong northerly wind; bright periods; local thundery rain; rather cool.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

A depression covering Wales and Southwest England will probably move slowly southeast, while another over Denmark will move northwest. There will be rain in North Scotland and West Ireland, and rather persistent fog near the east coasts of Scotland and England. Elsewhere there will be bright periods, with thundery showers or thunderstorms in most places.

FURTHER OUTLOOK.

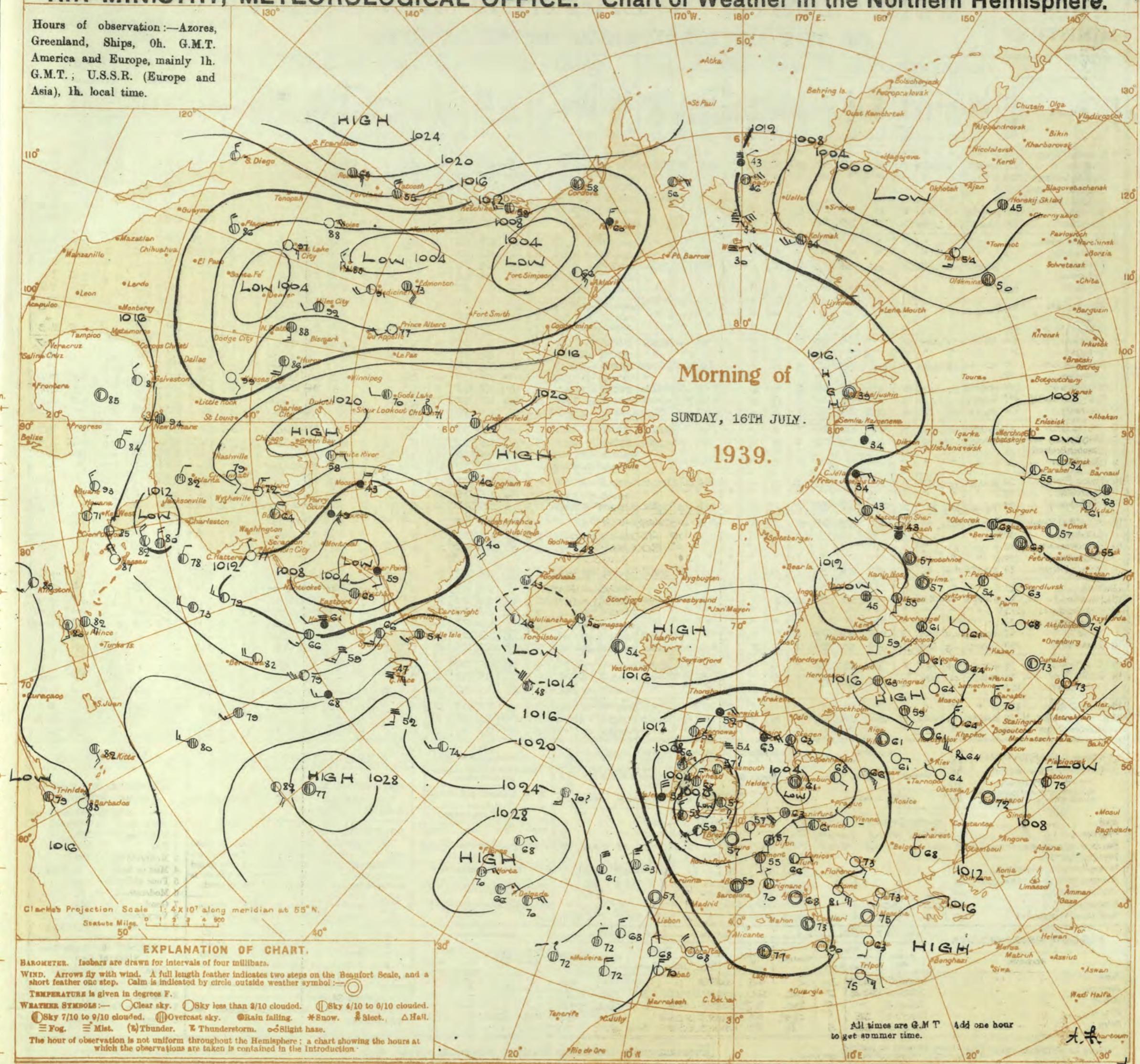
Unsettled.

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 16th July, 1939.
No. 28360.

District.	Stations.	Observations at 1 hr. G.M.T. 16th July												Observations at 7 hr. G.M.T. 16th July												Past 24 Hours.																	
		Barom. at M.S.L.			Wind.			Temp.			Humid.			Cloud.			Barom. at M.S.L.			Wind.			Temp.			Humid.			Cloud.			Sea.			Temperature.			Rainfall.			Sunshine.		
		Height above M.S.L. in feet.	Change in 3 hours.	Dir.	0-12 Force.	Weather.	°F.	%	Humid.	0-9 Visibility.	Low	Med.	High	Low	0-10	Total	Height of Base (feet).	Low	Med.	High	Low	0-10	Total	Height of Base (feet).	State of Ground.	0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-13h mm.	Night 18h-7h mm.	15h Hrs.											
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7200	10008 -4 SSE	2	Z	60	85	6	8	-	9	9	2500	1	*	72	57	S4	Tr	3	10.1							
	Croydon	217	10023 -6 SE's	3	C	57	92	8	5	3	-	46	9	*	*	*	10016 -4 S	3	C	61	85	8	8	-	7-8	9	2500	0	*	71	57	SS	0.4	Tr	10.5								
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10005 -2 SE	2	b	58	92	8	8	6	-	46	46	2500	1	*	68	55	S1	0.6	0.5	5.3						
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10008 -4 SE	3	C	57	97	7	7	3	1	46	7-8	2500	1	*	65	54	S2	3	0.4	3.0							
	Calshot (Sthmt.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10005 -2 SE	3	b	60	85	8	3	6	-	2-3	46	1500	1	*	65	58	S7	3	1	3.2							
	Lyminge	346	10038 -2 S'm	2	b	57	97	8	-	4	-	0	1	-	*	*	10030 -6 SSW	3	C	58	92	8	8	6	-	9	94	800	0	*	68	55	S2	1	0.1	0.4							
	Manston	154	10029 0 S'm	2	b	56	92	7	-	3	-	0	1	-	*	*	10022 -6 S	3	C	60	85	7	5	4	6	9	94	1500	0	*	68	55	S1	-	-	3.9							
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10022 -2 S	3	b	62	85	8	3	-	1	46	46	4000	0	*	72	57	S3	-	-	0.6							
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10019 -4 SW	4	b	62	85	8	1	-	1	46	46	1500	0	3	69	59	S6	-	-	13.4							
	Gorleston	5	10032 -6 S'm	4	C	60	85	7	5	-	-	94	94	2500	*	*	10040 0 SSE	3	b	64	75	7	1	3	3	2-3	7-8	1500	1	*	72	55	S1	0.4	7.4								
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10012 -4 S'W	1	m	57	97	4	5	7	1	46	7-8	220	0	*	67	54	S2	15	Tr	1.9							
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10007 -2 SSE	2	b	57	92	8	8	6	-	4-6	46	1500	1	*	62	56	S4	10	0.6	0.8							
4	Ross-on-Wye	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10012 0 SE	3	C	58	92	8	5	-	94	94	800	1	*	66	55	S2	7	0.5	2.3								
5	Hartland Point	299	9994.4 +2 SW	2	rr	56	92	7	6	2	-	7-8	10	800	*	*	9984.0 SE	2	C	57	92	8	8	6	-	4-6	7-8	800	1	2	64	54	S3	7	5.7								
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9998.4 -4 SE	3	C	58	92	7	5	3	3	8-4	6-9	1500	1	*	65	53	S4	2	0.2	4.5							
	Portland Bill	32	10001.1 +2 SSW	3	b	58	92	8	5	-	-	4-6	46	4000	*	*	9988.6 SSE	3	C	58	92	7	-	10	10	4000	1	3	62	55	*	0.6	3	*									
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9982.2 -2 SW	1	rr	57	97	6	9	2	-	4-6	10	800	1	0	64	55	S2	3	0.6	7.0							
	The Lizard	240	10006.0 N	3	C	57	97	8	8	2	-	7-8	94	1500	*	*	9996.12 N	4	C	57	97	7	8	2	-	7-8	94	1500	1	2	64	55	S7	1	3.1	10.2							
	Scilly (St. Mary's)	163	10012 -8 NNW	3	C	58	97	8	8	6	-	4-6	7-8	1500	*	*	10004.0 NNN	5	pr	57	97	7	8	3	-	7-8	10	1500	1	3	65	57	*	1	0.3	6.4							
	Guernsey	175	10011 -2 S	4	b	56	97	7	2	-	-	4-6	46	1500	*	*	10001.1 -2 SSW	4	C	57	92	7	8	3	-	94	94	450	1	3	61	56	S4	3	-	5.7							
6	Pembroke	142	9993.4 -4 NE	3	Cr	56	97	7	8	-	-	7-8	7-8	1500	*	*	9994.2 +2 NEE	2	C	57	92	7	8	-	-	5	9	1500	1	0	63	55	S4	4	2.5								
7	Holyhead	26	10003 -2 NE	3	C	58	92	6	8	-	-	10	10	2500	*	*	9998.0 NEN	3	rr	58	92	6	5	2	-	4-6	10	450	1	2	66	57	S6	1	0.2	4.8							
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10000.0 -2 NE	1	ir	58	92	4	-	2	-	10	10	800	1	*	67	57	S6	1	4	3.5							
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10008.0 ENE	3	Z	59	92	6	5	3	-	4-6	94	4000	1	*	69	57	S6	Tr	3	4.1							
10	Spurn Head	29	10024 0 SEE	3	b	55	92	6	9	-	-	4-6	46	2500	*	*	10014 -4 E'S	3																									

Page 1.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 17th July, 1939.
No. 28361.

DISTRICT.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 16th July												OBSERVATIONS at 18h. G.M.T. 16th July												PAST 24 HOURS.									
		Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. (6)	%Humid. (7)	0-9 Visibility (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. (19)	%Humid. (20)	0-9 Visibility (22)	Cloud.				Sea. 9-9 ... (23)	7h.-13h. ... (24)	13h.-18h. ... (25)	Low 0-10 (26)	Med. 0-10 (27)	Total 0-10 (28)	Height of Base (feet) (29)	State of Ground. (30)	7h.-13h. ... (37)	13h.-18h. ... (38)	18h. 17th 1h. 17th ... (39)	1h.-7h. ... (40)
				Dir.	Force 0-12 (3)				Form (9)	Amount (10)	Total (11)	Height of Base (feet) (14)			Dir.	Force 0-12 (17)																			
				Dir.	Force 0-12 (4)				Weather. (5)	Low (9)	Med. (10)	High (11)	Low (12)	Med. (13)	High (14)	Dir.	Force 0-12 (18)																		
1	London (Kew) ...	999.9 -6	S 4	c	67	65	8	8	3	3	7-8	9	4000	999.0 -6	SSW	3	bc	67	65	8	7	-	4	4-6	4-6	4000	0	*	cm _o pr _o cc bcc	bcc	cm _o	pr _o m			
	Croydon ...	1001.0 -4	S 4	c	67	65	9	2	6	3	4-6	7-8	4000	999.7 -10	S'W	3	bc	65	65	9	2	6	2	2-3	4-6	4000	0	*	cp _r v	bcv	cp _r m	in			
	S. Farnborough	999.9 -2	S 3	c/pr	63	75	8	8	-	-	3+	9+	2500	999.1 -4	S 4	4	bc	63	75	8	8	6	1	2-3	2-3	4000	0	*	pr _r bc _o cp _r bc	bcc pr	cl _l m _o	in			
	Boscombe Down	999.9 -6	S 4	c	64	75	7	8	7	-	4-6	7-8	2500	998.6 0	S 4	4	c	60	85	7	7	3	-	2-3	9	2500	1	*	cp _r pr _o cc bcc	cl _l m _o	in	wem			
	Calshot (Soton.)	1000.2 -4	S'W 4	bc	63	75	8	3	-	3	4-6	4-6	2500	999.4 -8	S'E 4	4	c	62	85	7	9	-	9+	9+	2500	1	2	pr _o bc	bcc	e	air				
	Lympne	1002.8 -2	S 3	c	63	75	8	2	6	3	2-3	7-8	2500	1002.3 -6	SSE 2	2	c	60	85	8	1	6	3	2-3	7-8	1500	0	2	bcc pr _o	bcc pr _o	cp _r m _o	in			
	Manston	1001.5 -6	S'E 4	c	69	55	7	2	6	-	7-8	9	1500	1000.8 +2	S'E 3	3	c	63	75	8	8	6	3	4-6	7-8	1500	0	*	cy	bcc pr _o	bcc pr _o	cp _r m _o			
2	Shoeburyness	1001.6 -12	S'E 4	c	67	75	8	8	6	3	2-3	7-8	4000	1000.5 -6	S'E 4	4	c	67	75	8	8	6	3	4-6	7-8	2500	0	*	cp _r bcc	bcc	c				
	Felixstowe	1001.5 -6	S 4	bc	70	65	8	2	-	3	1	2-3	1500	1000.4 -4	S 4	4	c	65	75	8	2	5	8	1	7-8	2500	0	3	bcc pr _o	bcc	cbcc PR				
	Gorleston	1001.9 0	SSE 6	bc	65	75	7	2	5	-	2-3	4-6	2500	1000.7 -2	SSE 3	4	bc	65	75	7	2	4	-	1	2-3	2500	0	3	bcc	bcc	bcc pr _o				
	Mildenhall	1000.3 -6	SSE 2	pr	62	85	7	8	-	3+	9+	800	998.9 -8	S 3	3	c	68	55	8	2	6	-	1	7-8	2500	0	*	cp _r pr _o	cp _r cy	cy ebcc	baom				
	Cranwell	1000.9 -6	S'E 3	c/p	67	65	8	8	7	1	7-8	9	2500	998.9 -8	ESE 2	2	c/pr	64	75	8	8	7	3	4-6	7-8	2500	1	*	bcc pr _o	bcc pr _o	cp _r m _o				
3	Birmingham	999.6 -4	ESE 2	bc	64	55	8	3	6	-	2-3	4-6	2500	998.7 -4	SE 2	2	bc	64	75	8	3	6	3	2-3	4-6	2500	1	*	bc pr _o	bcc pr _o	bc	eo ^f			
4	Upper Heyford	999.2 -10	SE 3	c	67	65	8	8	6	-	3	9	2500	999.1 -2	S'E 3	3	c	64	75	8	9	6	5	7-8	9	1500	1	*	cp _r c	cp _r tc	ebcc	angm			
	Ross-on-Wye	998.6 -8	NNW 2	bc	66	65	8	2	4	1	4-6	4-6	4000	998.3 -4	SE 2	2	c/pr	61	85	8	8	-	3	4-6	7-8	2500	1	*	cp _r bcc	bcc pr _o	bbbl	bcc			
5	Hartland Point	999.0 +2	N 2	bc	60	92	7	5	4	3	4-6	4-6	1500	999.0 -2	NNW 2	2	c	61	92	6	5	4	-	4-6	7-8	1500	1	2	bcc	bcc	c	cp			
	Bristol	999.1 -2	S'E 2	pr	60	85	7	9	2	-	4-6	9	1500	998.5 +4	W 2	2	rr	61	85	6	5	2	8	4-6	9	1500	1	*	cp _r PR	PR	re _o pt _l	cm _o			
	Portland Bill	999.0 +4	S 3	c	60	92	7	5	-	-	10	10	4000	999.6 +8	W 3	3	c	59	92	7	5	4	-	4-6	9	4000	1	3	c	c	co	oc			
	Plymouth	999.0 +2	NW 1	pr	60	85	6	9	2	-	7-8	10	800	999.5 +2	NNW 1	1	c/pr	61	85	8	3														

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Fore- noon.	After- noon.	Min. 9h. 15h. to 16h.	Max. 9h. 15h. to 16h.	Night. 17h. 18h. to 9h. 16h.	Day. 17h. 18h. to 9h. 16h.	Sunrise to 17h. 16h.	Sunset to 17h. 15h.
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	c bc cpc bcc bc	c bcc bcc bcc bcc	55 57 60 58 59	69 66 66 66 65	0.3 1 1 Trace -	- - - - -	5.5 5.1 4.6 7.4 7.7	10.1 1.3 3.6 5.2 8.1
	Littlehampton Worthing ... Brighton ... Eastbourne† ... Hastings† ...	bc cbc cb cbcc cbc	bc b b cbc bcbcc	58 59 59 59 58	65 64 65 66 69	0.4 - 1 1 -	- - - - -	7.1 5.5 4.6 5.9 5.8	9.2 10.3 9.2 12.2 9.6
	Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	cbc cbc cbcc c bc	bcc bcpbc bbc bc bc	56 59 57 53 57	69 68 70 68 70	- - - 1 0.3	Trace - - - +	6.4 6.8 5.8 5.8 8.6	8.8 11.6 11.5 9.3 10.8
2	Southend ... Clacton-on-Sea Dovercourt ...	cp pb bc	cbc bc bc	57 59 59	71 69 69	Trace Trace -	Trace - -	6.1 7.5 10.2	11.5 12.9 6.4
	Lowestoft ... Skegness ... Mablethorpe ... Cleethorpes ...	b bbc bbc bcr	b otlro bcd bchrc	60 59 59 56	66 69 69 67	- 1 0.3 1	- 1 0.3 17	11.7 7.4 7.0 3.3	12.1 7.6 7.7 6.2
3	Leamington S. Cheltenham†	crc c	crc cir	55 55	66 68	5 1	11 Trace	1.9 0.0	1.3 1.9
5	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth ... Penzance ... St. Ives ... Bude ... Ilfracombe ...	cpbc rcb rcbc wcoir gocbc pcbc pcbc pcbc pcbc	ctr cbcc cbc coir bepog bccp bccbc bcbcc	56 58 58 53 56 56 56 53 57	66 65 64 63 66 65 65 63 64	0.3 1 3 - 13 0.1 13 0.1 0.1	7 3 1 13 0.1 3.4 2.0 2.0	1.4 3.7 3.7 1.8 3.4 3.8 8.1 5.2 3.9	4.7 4.8 4.0 6.4 5.7 5.2 8.1 5.2 3.9
7	Aberystwyth	proc	bcc	56	65	0.3	-	1.4	0.9
7	Llandudno ... Coity Bay ... Rhyl ...	cir pop orcbbc	rrroc pocbc hrpr	58 58 58	61 61 64	2 2 6	3 12 5	0.1 0.5 1.2	3.9 3.4 3.6
8	Wallasey ... Southport ... Blackpool ... Morecambe	atp acp cpo drep	rc tp ctrpc bcp	58 56 57 57	64 64 67 67	6 1 2 14	2 5 1.1 1.2	0.6 0.2 3.5 3.3	6.5 4.1 3.5 3.3
9	Ilkley ... Harrogate ... Berwick-on-T.	oroc o omo	ortlc otlr mo	56 55 54	65 61 55	8 2 -	24 9 -	0.3 0.1 0.0	3.8 4.4 8.9
10	Dunbar ...	cmo	bcm	52	57	-	-	1.8	11.2
11	Troon ... Douglas	cbccb bcpr	bcb bcpr	53 57	65 67	2 1	5.5 3.7	6*	6.5

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

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th July, 1939.

DISTRICTS.

1 S.E. England

2 E. England ...

3 E. Midlands ...

4 W. Midlands ...

5 S.W. England

6 South Wales ...

7 North Wales ...

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
B.N.W. Scotland

14 Mid Scotland

15 N.E. Scotland

16 Orkney and Shetland

17 N.W. Ireland

18 N.E. Ireland

19 S.E. Ireland

20 S.W. Ireland

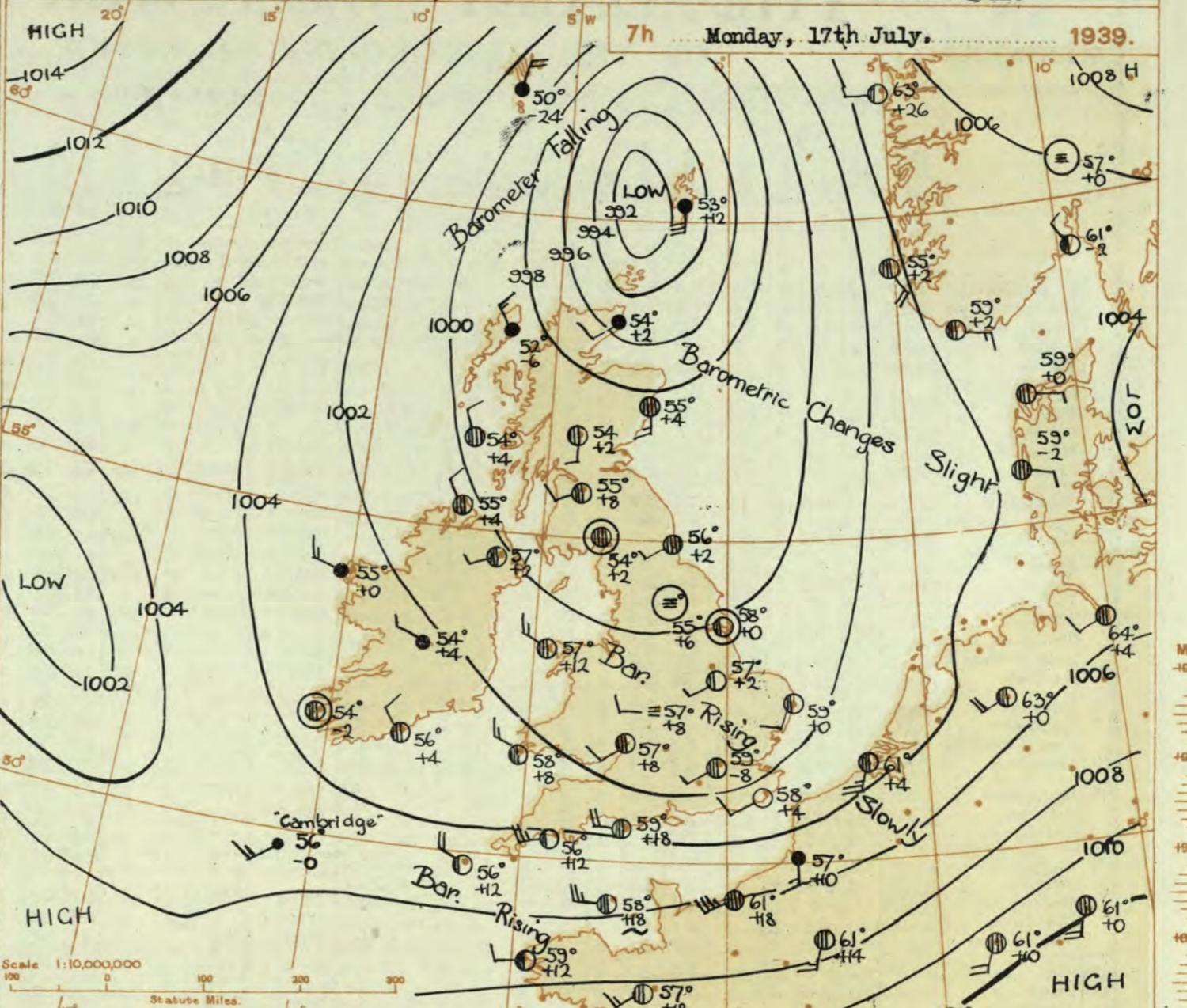
Wind westerly, light or moderate; showery with thunder locally but bright intervals; average temperature.

Wind westerly, strong; cloudy, occasional rain; rather cool.

As 1 - 12.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Monday, 17th July. 1939.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

A complex depression covers the British Isles. Unsettled showery weather with local thunder will continue in all districts.

FURTHER OUTLOOK.

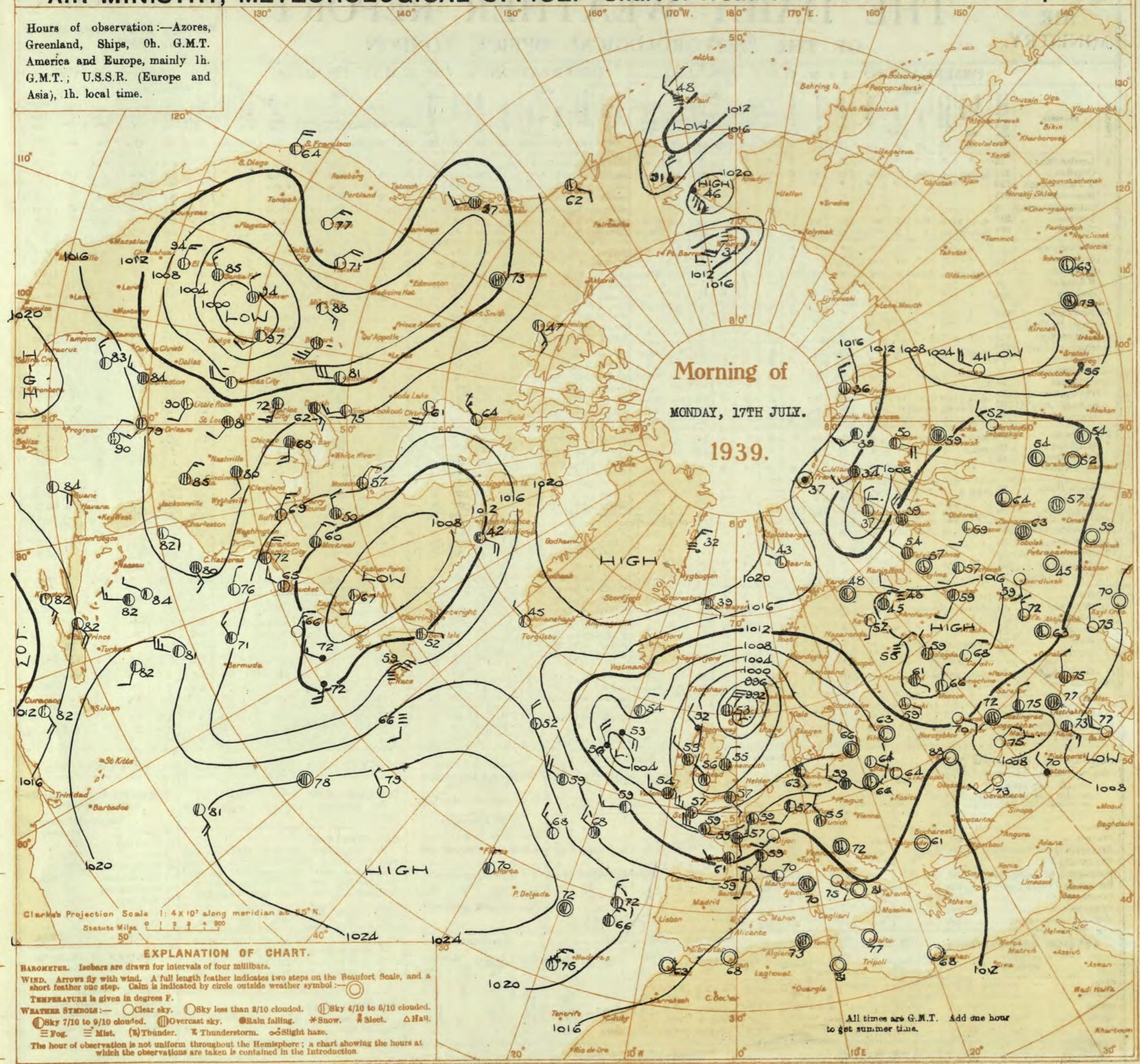
Unsettled.

Times of Issue of Gale Warnings.

▲ North Cone hoisted at 1500 G.M.T. on 16/7/39 in part of district 16, and at 1925 G.M.T. in districts 13B, 15 and remainder of 16.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



Page 1.
AIR
MINISTRY.

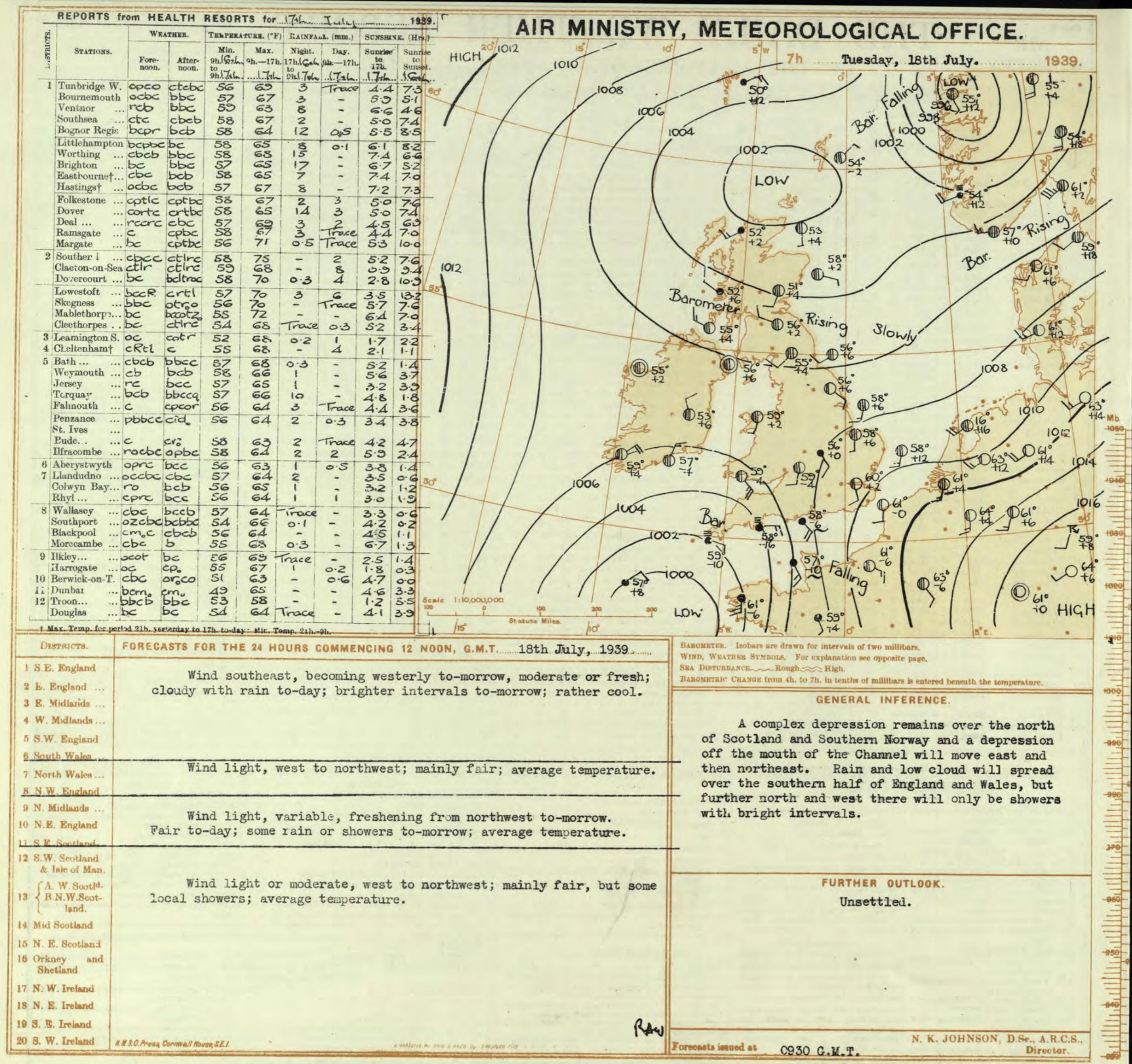
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

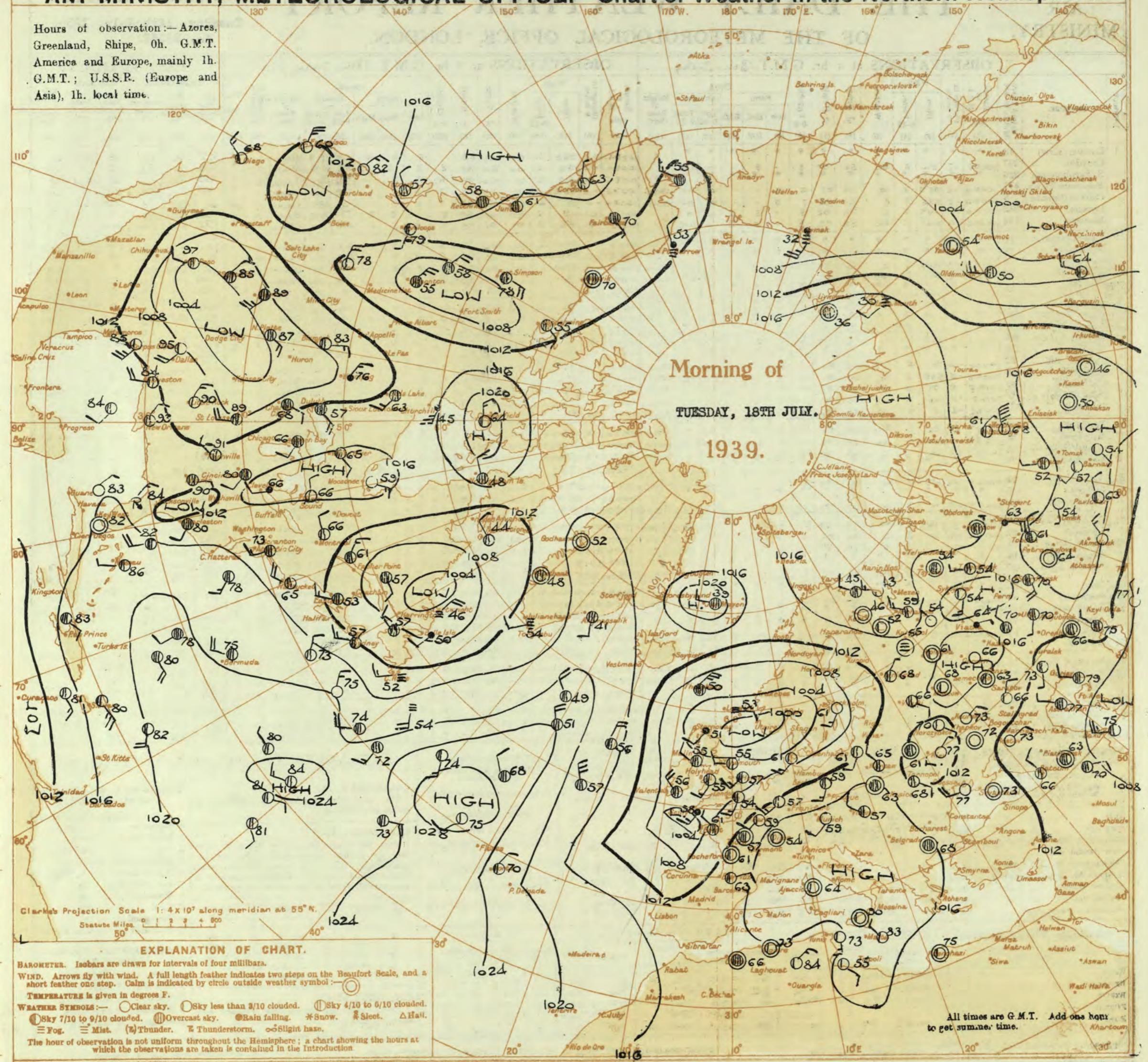
Tuesday, 18th July, 1939.
No. 28362.

DISTRICT.	OBSERVATIONS at 13h. G.M.T. 17th July												OBSERVATIONS at 18h. G.M.T. 17th July												PAST 24 HOURS.																							
	STATIONS.		Barom. mb.	Change in 3 hours.	Wind. Dir.	Force 0-12	Weather.	Temp. °F	Humid. % Visibility 0-8	Cloud.				Barom. mb.	Change in 3 hours.	Wind. Dir.	Force 0-12	Weather.	Temp. °F	Humid. % Visibility 0-8	Cloud.				State of Ground.	Sea. 0-9	WEATHER.																					
	(For heights see p. 4.)									Form														Form																								
										Low	Med.	High	0-10	Total 0-10							Low	C-10	Total 0-10																									
1	London (Kew) ...	1004.3 +22 WSW 2	S tr	65	75	7	9	9	3	7-8	94	2500	1007.2 +16 SW	4	pr	62	75	8	8	-	9+	91	2500	1	*	cpr	qc	cpr	cprabc	c ₀ c																		
	Croydon ...	1004.8 +14 SWN 4	pr	68	75	7	9	6	3	7-8	9	4000	1007.3 +16 SSW	3	pr	60	85	8	3	9	-	2-3	7-8	4000	1	*	cmb	TLR	cLRmp	bcbcb	bccbc																	
	S. Farnborough	1004.5 +18 SSW 4	b	TLR	62	85	7	3	-	3	4-6	4-6	2500	1007.2 +12 SSW	4	b	pr	61	75	8	8	4	-	2-3	2-3	4000	1	*	cpr	TLR	pr	PRC	bcbcb															
	Boscombe Down	1005.5 +20 N 4	r/ir	57	92	7	9	7	-	4-6	94	1500	1007.4 +10 SW	3	c	60	75	8	5	7	-	4-6	7-8	2500	1	*	cmb	pr	cPRC	aid	c ₁ Rid																	
	Calsicot (Soton.)	1005.6 +16 SW 5	c	65	75	7	3	3	-	4-6	7-8	1500	1007.9 +12 SW	5	bx	62	75	8	2	5	-	4-6	4-6	1500	0	3	cmb	pr	cPRC	aid	c ₁ d ₁ d ₂																	
	Lymnepne	1005.2 +14 WSW 4	pr	65	75	7	9	-	5	9	1500	1008.2 +16 WSW	5	b	63	65	8	2	6	3	4	6-6	6	2500	1	*	cmb	pr	cPRC	bcb	c ₁ b ₁ b ₂																	
	Manston	1003.9 +16 SW 5	cq	72	SS	7	8	6	3	7-8	7-8	2500	1007.0 +18 SW	5	bc	65	65	8	2	-	1	4-6	6-6	2500	1	*	cpr	cq	cqypr	bcc	bcc																	
2	Shoeburyness	1003.6 +8 SW 4	bc	72	65	8	8	3	3	2-3	4-6	2500	1007.0 +18 WSW	3	bc	64	85	8	8	7	-	1	4-6	9	2500	0	*	cpr	bc	tLpc	cprabc	bcc																
	Felixstowe	1002.8 +12 SSW 3	c	71	65	7	5	6	-	7-8	7-8	2500	1008.8 +16 WSW	4	pr	63	85	9	8	7	-	2-3	9	2500	1	*	cPRC	TLR	cpr	ccm	c ₁ m ₁ c																	
	Gorleston	1002.6 +12 NW 2	c	67	65	7	8	-	3	4-6	94	2500	1004.7 +18 SW	3	pr	64	85	6	8	4	-	7-8	9	2500	1	2	bccpr	TLR	cpr	bcb	bccbc																	
	Middlehall	1002.1 +10 W'S 3	bc	73	55	7	8	3	-	3	4-6	4-6	2500	1004.9 +14 SW'S	3	gr	62	85	7	8	7	3	2-3	9	4000	1	*	cmb	bc	tlr	c ₁ b ₁ b ₂	bccn ₁																
	Cranwell	1001.9 +10 S 1	ct	66	85	6	3	-	3	4-6	94	1500	1004.3 +12 WSW	1	gr	61	92	5	4	7	1	4-6	94	4000	1	*	cpr	ct	ctlr	c ₁ m ₁ w	c ₁ m ₁ c																	
3	Birmingham	1003.1 +12 WSW 3	c	64	75	8	9	-	3	9	1500	1008.2 +10 WSW	2	pr	60	75	7	3	7	-	4-6	7-8	2500	1	*	fact	IR	cpr	cprabc	cloc																		
4	Upper Heyford	1003.4 +12 W 3	c	68	65	7	8	3	1	4-6	7-8	1500	1006.3 +14 W'S 3	3	c	64	65	7	8	3	-	2-3	9	2500	1	*	cmb	c	cpr	cprabc	c ₁ c ₁ c																	
	Ross-on-Wye	1003.6 +10 W'S 1	c	65	75	8	8	6	-	4-6	7-8	4000	1008.8 +8 W'S 3	3	bc	65	55	8	8	4	5	1	2-3	4000	1	*	cpr	ct	cprabc	bcc	co																	
5	Hartland Point	1005.2 +10 WNW 4	c	60	85	8	8	4	2	2-3	7-8	1500	1006.4 +4 W 3	3	c	58	85	8	8	2	-	4-6	9	1500	0	2	cp	cpr	cprabc	cld	c ₁ d ₁ d ₂																	
	Bristol	1004.8 +14 WSW 5	bc	65	75	8	8	3	-	4-6	4-6	2500	1006.5 +10 W'N 3	3	bc	64	65	8	5	3	-	4-6	4-6	2500	1	*	cmb	c	bcc	c ₁ d ₁ d ₂	c ₁ d ₁ d ₂																	
	Portland Bill	1006.6 +14 NSW 4	c	60	85	7	2	4	-	4-6	7-8	4000	1008.0 +8 WSW 4	4	c	59	55	7	2	4	-	7-8	9	4000	1	4	c	c	c	c	orr																	
	Plymouth	1006.6 +10 SW 3	c	60	75	8	8	7	-	7-8	9	1500	1007.5 +2 SW 3	3	rr	60	55	8	5	7	-	9	10	1500	1	*	cmb	pr	bcc	r ₁ ddid	r ₁ ddid																	
	The Lizard	1007.3 +4 SSW 3	c	58	92	8	8	2	-	4-6	10	1500	1004.7 -16 S 4	4	rd	59	57	8	8	6	-	7-8	94	1500	1	3	bcc	cpr	cprabc	comdf	dfrf																	
	Scilly (St. Mary's)	1006.5 +8 WSW 3	c	59	92	8	8	7	-	4-6	10	1500	1004.7 -16 S 4	2	c	59	75	8	8	3	-	4-6	9	2500	1	2	cqbc	bcc	cirid	m ₁ r ₁ r ₁	ciror																	
	Guernsey	1008.9 +12 NSW 5	bc	60	75	8	2	1	-	1	2-3	800	1009.2 +2 S 2	5	c	59	75	8	8	3	-	4-6	9	2500	1	*	cpr	ct	cprabc	ciror	ciror																	
6	Pembroke	1005.3 +8 W 3	pr	58	92	7	8	8	-	4-6	7-8	1500	1008.2 0 SW																																			



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

Hours of observation:— Azores, Greenland, Ships, 0h. G.M.T.
America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4
AIR
MINISTRY.
THE DAILY WEATHER REPORT
BRITISH SECTION
OF THE METEOROLOGICAL OFFICE, LONDON.

Tuesday, 18th July, 1959.
No. 28362.

DISTRICT.	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 (1)	Barom. mb. (2)	Change in hours (3)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud. Form. (9) Low (10) Med. (11) High (12)					Barom. mb. (15)	Change in hours (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud. Form. (23) Low (24) Med. (25) High (26)					State of Ground. (29)	Sea- 0-9 (30)	TEMPERATURE.			RAINFALL.			SUN- SHINE hrs. (26)	
					Dir. (3)	Force. (4)					Dir. (17)	Force. (18)	Dir. (19)	Force. (20)	Low (23)			Med. (24)	High (25)				Total (26)	Height of Base (feet) (14)	Dir. (27)	Force. (28)	Low (29)	Med. (30)	High (31)	Total (32)	Min. on Grass °F. (33)	Day mm. (34)	Night mm. (35)					
1	London (Kew)	18	* * * * *	*	5W	3	bc	54	97	8	-	3	*	0	2-3	1003.1	+2	SSE	2	C	G1	85	7	5	3	4	A-G	7-8	4000	1	* 67	56	52	2	0.4	3.5		
	Croydon	217	1003.6	+2	SW	3	*	bc	54	97	8	-	3	*	0	2-3	1003.4	+2	S/E	2	bc	G0	92	8	5	3	3	2-3	4-G	2500	1	* 68	52	52	3	-	2.6	
	S. Farnborough	226	"	"																																		
	Boscombe Down	417	1003.0	-2	Se's	2	id	55	97	6	5	-	-	10	10	1003.2	-2	SSE	2	C	G0	85	8	5	3	3	-	7-8	5	1500	1	* 68	54	50	3	0.6	3.3	
	Calshot (Southsea)	8	1003.6	-2	SSE	3	c	50	86	7	5	-	-	9	9	1003.4	-4	SE	4	ir	G2	85	7	5	5	5	-	3	9	4000	1	* 65	54	53	12	1	0.8	
	Lyminge	346	1011.4	+2	SW	2	d	53	92	8	-	3	6	0	9	1011.0	0	S	2	bc	G1	85	8	1	8	3	TR	4-G	1500	0	* 67	58	55	0.3	1	7.2		
	Manston	154	1010.6	+6	SW	5	2	bc	53	92	8	-	3	6	0	1010.0	-2	S'E	3	c	G2	75	7	5	3	-	4-G	9	2500	1	* 68	52	48	1	-	7.3		
2	Shoeburyness	11	* * * * *	*	9	*	*	*	*	*	*	*	*	*	*	1010.4	+2	SSW	2	C	G2	85	8	5	3	-	4-G	5	4000	0	* 73	57	53	1	Tr	4.6		
	Felixstowe	15	* * * * *	*	9	*	*	*	*	*	*	*	*	*	*	1010.5	+6	SSW	4	C	G1	85	8	5	7	-	4-G	9	4000	0	2 72	55	52	4	-	2.7		
	Gorleston	5	1008.3	+12	SW	4	rr	58	86	7	5	-	-	1	1	2500	1010.5	+12	SSW	3	2	z	58	85	7	5	5	-	7-8	7-8	2500	1	* 70	54	52	1	-	4.5
	Mildenhall	19	1008.4	+12	SW	3	d	54	92	7	5	-	-	2-3	2-3	1008.3	+10	S	2	z	58	85	6	5	2	-	9-10	10	4000	1	* 74	54	50	2	Tr	3.7		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.5	+6	S	1	o	68	85	7	-	7	-	0	9	-	1	* 69	52	49	3	Tr	4.0		
3	Birmingham	535	* * * * *	*	9	*	*	*	*	*	*	*	*	*	*	1008.0	0	SE	2	id	56	92	6	5	-	-	10	10	800	1	* 66	54	49	3	Tr	2.6		
4	Upper Heyford	408	* * * * *	*	9	*	*	*	*	*	*	*	*	*	*	1008.5	0	S'E	2	z	57	97	6	5	-	-	16	10	450	1	* 69	54	55	1	0.1	*		
	Ross-on-Wye	223	* * * * *	*	9	*	*	*	*	*	*	*	*	*	*	1007.3	-4	S'W	2	C	59	92	7	5	3	-	9-10	10	1500	1	* 68	55	52	-	-	4.7		
5	Hartland Point	269	1005.7	-8	SSW	3	c	58	97	8	5	2	-	4-G	7-8	1500	1008.8	-8	E	2	C	59	97	8	5	2	-	7-8	8	1500	1	1 61	56	55	0.6	Tr	4.4	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.1	-2	SSW	2	z	53	92	7	5	7	-	7-8	9+	1500	1	1 66	55	54	-	0.2	7.3		
	Portland Bill	32	1008.0	-10	S	4	rr	57	92	7	5	-	-	10	10	2500	1008.4	-6	SE	4	rr	58	92	7	5	-	-	10	10	2500	1	4 61	56	*	0.2	6	*	
	Plymouth	82	1008.8	-6	SSE	2	id	50	97	6	5	2	-	7-8	9+	450	1008.9	-14	ESE	3	rr	59	97	6	5	2	-	10	10	220	1	2 62	56	56	Tr	8	2.0	
	The Lizard	240	1005.6	-8	SE	3	d	58	97	3	5	-	-	10	10	800	1002.6	-16	E	3	rr	58	97	3	5	-	-	10	10	800	1	1 62	57	*	3	6	3.6	
	Scilly (St. Mary's)	183	1004.2	+4	SSW	3	id	58	97	6	5	2	-	7-8	10	1500	1001.8	+10	E'S	1	rr	59	97	2	-	-	-	10	10	1500	1	1 62	58	*	1	5	3.1	
	Guernsey	175	1008.8	-2	S	4	c	58	92	8	5	-	-	7-8	7-8	1500	1004.2	+10	S'E	3	rr	57	97	6	5	-	-	10	10	1500	1	4 62	57	57</td				

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

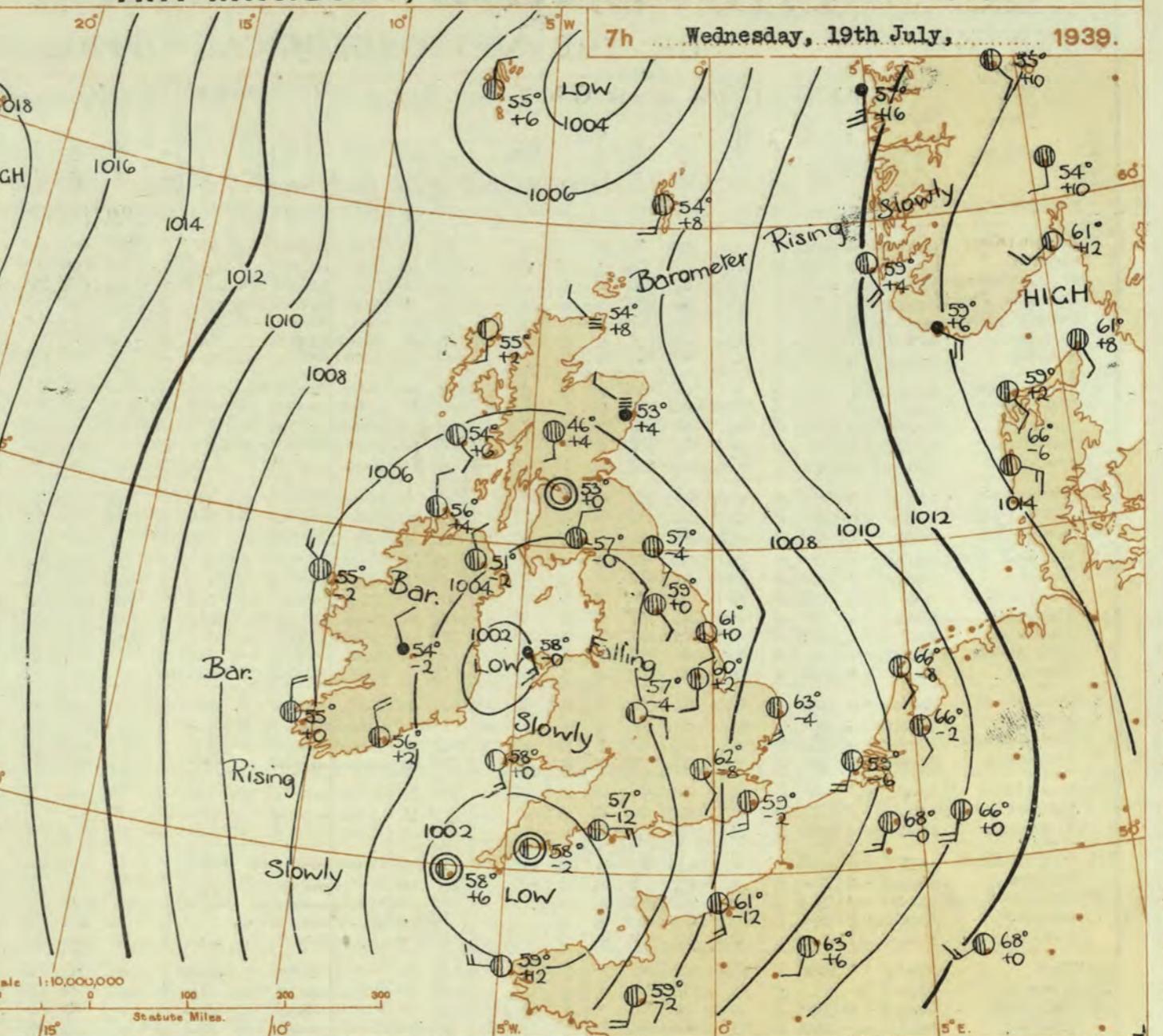
Wednesday, 19th July, 1939.
No. 28363.

District.	Stations. (For heights see p. 4.)	Observations at 13h. G.M.T. 18th July												Observations at 18h. G.M.T. 18th July												Past 24 Hours.									
		Wind.			Cloud.			Wind.			Cloud.			Wind.			Cloud.			Wind.			Cloud.			Weather.		7h.-13h. 18th (28)		13h.-18h. 18th (29)		18h.-19h. 19th (30)			
		Barom. mb.	at M.S.L.	Change in 3 hours.	Direc. 0-12	Wind. (5)	Temp. (6)	Humid. (7)	Visibility 0-9 (8)	Low (9)	Med. (10)	High (11)	Total 0-10 (12)	Height Base (feet) (13)	Form (14)	Barom. mb.	at M.S.L.	Change in 3 hours.	Direc. 0-12	Wind. (15)	Temp. (16)	Humid. (17)	Visibility 0-9 (18)	Low (19)	Med. (20)	High (21)	Total 0-10 (22)	Height Base (feet) (23)	Form (24)	Amount (25)	Height Base (feet) (26)	State of Ground (27)	Sea. 0-9 (27)	7h.-13h. 18th (28)	13h.-18h. 18th (29)	18h.-19h. 19th (30)	1h.-7h. (31)
1	London (Kew) ...	10089	-6	SSE 3	C	64	75	8	5	2	-	24	10	1500	10089	-22	SE 3	C	64	85	8	3	3	3	78	94	1500	1	*	circ	circqc	bccrc	c		
	Croydon ...	10089	-2	SSE 2	ir	62	85	8	6	7	-	4-6	10	2500	10089	-14	ESE 2	C	63	92	7	9	4	-	46	9	4000	1	*	cob	cob	cob	cob		
	S. Farnborough	10082	-2	SE's 4	rr	60	92	7	6	2	-	24	10	800	10083	-18	SE'E 3	C	62	92	7	8	6	-	9	94	1500	1	*	crr	crr	crr	crr		
	Boscombe Down	10068	-2	SE'S 4	rr	60	97	6	6	2	-	9	10	800	10069	-14	E 2	ir	60	97	7	6	7	-	78	9	800	1	*	crr	crr	crr	crr		
	Calshot (Soton.)	10075	-8	ESE 4	rr	60	92	8	6	2	-	9	10	800	10081	-14	SE'E 2	C	64	92	8	8	3	-	2-3	9	1500	1	*	crr	crr	crr	crr		
	Lymne	10106	-6	WSW 2	pr	66	75	8	5	7	-	2-3	9	5700	10072	-20	SEE' 4	C	64	75	8	5	7	-	46	94	5700	1	*	cob	cob	cob	cob		
	Manston	10100	-2	SEE' 3	pr	67	65	8	5	7	-	46	94	4000	10072	-20	SEE' 4	C	67	65	8	5	7	-	78	94	4000	1	*	cob	cob	cob	cob		
2	Shoeburyness	10096	-12	S'E 3	ir	67	85	8	6	2	-	2-3	10	1500	10075	-16	ESE 3	C	65	97	8	5	7	-	46	94	4000	0	*	cobcb	circ	cpcc	cpcc		
	Felixstowe	10101	-4	S 4	ir	66	75	8	5	7	-	8	46	9	2500	10075	-16	SE 3	C	65	85	8	5	7	-	78	94	2500	0	*	cob	cob	cob	cob	
	Gorleston	10097	-4	SEE' 4	bc	66	75	7	2	7	-	2-3	4-6	2500	10086	-6	SE'S 4	C	64	85	6	6	2	-	46	9	2500	1	*	cob	cob	cob	cob		
	Mildenhall	10083	-6	S 3	C	69	85	8	7	7	-	7-8	10	2500	10071	-8	ESE 2	C	65	75	7	5	7	-	6	46	94	4000	1	*	cob	cob	cob	cob	
	Cranwell	10080	-6	SEE' 2	rd	66	85	6	9	7	-	7-8	10	800	10070	-2	S'E 3	ir	62	92	6	5	2	-	78	94	4000	1	*	cobcdm	cobcdm	cobcdm	cobcdm		
3	Birmingham	10072	-2	SSE 3	pr	61	85	6	6	1	-	7-8	10	1500	10087	-2	SE 3	C	60	93	6	6	2	-	9	10	800	1	*	dcirc	dcirc	oir	rc		
4	Upper Heyford	10082	+2	SSE 2	rr	59	92	6	6	2	-	46	10	800	10066	-8	SE 1	ir	60	97	5	6	2	-	9	10	450	1	*	cob	cob	rc	rc		
5	Ross-on-Wye	10061	-6	SE 3	ir	60	85	7	6	1	-	9	10	1500	10046	-8	SE 2	C	62	85	7	5	-	-	9	94	1500	1	*	cob	cob	rc	rc		
6	Pembroke	10034	-8	SEE' 4	ir	60	97	7	8	2	-	78	94	1500	10023	-4	SE 4	rr	59	97	7	8	-	-	9	94	800	1	2	rr	rr	cbe	cbe		
7	Holyhead	10053	-6	N 4	bc	61	85	8	1	3	6	1	46	2500	10041	-8	NNW 3	ir	57	85	7	9	2	-	78	10	2500	1	1	rr	rr	cbe	cbe		
8	Chester (Sealand)	10062	-4	SE'S 2	C	67	65	7	8	7	-	8	78	9	2500	10045	-10	SE'S 2	ir	63	85	6	8	7	-	46	94	1500	1	*	cob	cob	rr	rr	
9	Manchester	10068	-2	SE 2	C	65	75	7	8	3	-	9	94	4000	10054	-6	SEE' 2	ir	62	92	6	8	7	-	46	94	1500	1	*	cob	cob	rr	rr		
10	Spurn Head	10081	0	S 3	C	65	75	6	5	-	-	9	94	2500	10072	-6	SE 3	pr	62	92	6	6	1	-	2-3	10	800	1	2	cob	cob	rr	rr		
	Catterick	10062	-2	SE'S 2	z	66	65	6	8	5	-	9	9	1500	10056	+2	S'E 2	pr	61	92	5	3	-	-	10	10	1500	1	*	cob	cob	rr	rr		
	Tynemouth	10060	+4	SSE 2	C	62	75	6	2	-	-	9	9	1500	10054	-6	SE 2	C	60	85	6	5	-	-	9	94	1500	1	1	cob	cob	rr	rr		
11	St. Abbs Head	10057	+6	ENE 1	C	60	85	8	3	4	-	4-6	7-8																						

REPORTS from HEALTH RESORTS for 18th July 1939.										
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (MM.)		SUNSHINE. (HRS.)		
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	Sunrise to 9h. 17h.	Sunrise to 9h. 18h.	Sunrise to 9h. 19h.
1	Tunbridge W.	co	orco	53	70	-	0.5	3.1	6.8	
	Bournemouth	r	rrc	58	63	1	12	0.5	6.5	
	Ventnor	cor	orbc	58	64	0.3	10	0.6	5.8	
	Southsea	oor	oro	58	63	Trace	7	0.4	6.6	
	Bognor Regis	bccrr	rinbc	59	64	-	5	1.2	7.8	
	Littlehampton	crcbc	bcpcbc	59	66	-	5	1.6	8.4	
	Worthing	c	cbcar	59	63	-	4	1.7	9.7	
	Brighton	ccr	rbcrc	59	67	-	2	1.6	8.5	
	Eastbourne†	conoc	c	58	68	-	2.7	0.8		
	Hastings†	bccor	opoco	57	66	-	1	3.1	9.6	
	Folkestone	bcc	coir	56	69	-	Trace	4.3	7.2	
	Dover	bcc	cpc	57	69	-	Trace	4.6	7.1	
	Deal	cbc	bcpo	54	71	-	Trace	4.4	6.6	
	Ramsgate	bcc	c	56	69	-	4.2	5.2		
	Margate	bc	bcdo	55	72	-	4.8	6.5		
2	Southend	c	coro	56	71	-	Trace	3.3	6.1	
	Clacton-on-Sea	bcc	cpc	56	66	-	Trace	4.2	1.3	
	Devercourt	bcc	bpbcc	53	68	Trace	5.1	3.0		
	Lowestoft	cpcb	bbccr	53	66	-	0.2	4.1	3.5	
	Skegness	ocbc	ocoro	53	67	-	Trace	2.0	5.7	
	Mablethorpe	bcor	bcor	53	67	-	Trace	1.1	6.4	
	Cleethorpes	bc	bcor	52	68	-	1	3.7	5.2	
3	Leamington S.	opc	or	54	66	3	2	0.1	2.1	
4	Cheltenham†	oor	air	55	64	Trace	1	0.1	3.9	
5	Bath	cr	rc	56	64	0.3	3	0.0	5.2	
	Weymouth	rrc	cpc	57	61	14	1	0.0	6.4	
	Jersey	rrcr	cpcbc	58	68	6	2	1.2	3.3	
	Torquay	ordm	copq	57	60	8	2	0.2	4.9	
	Falmouth	femrr	orico	58	63	7	0.6	0.4	4.4	
	Penzance	rroid	debcc	58	62	10	1	1.6	3.4	
	St. Ives	...	...	58	62	10	1	1.6	3.4	
	Bude...	r	cpcbc	58	65	3	5	0.4	4.2	
	Ifracombe	ror	ocirc	57	66	1	5	1.1	6.0	
6	Aberystwyth	bccpr	prc	55	66	-	2	0.6	3.8	
7	Llandudno	bc	cir	52	65	-	0.3	3.8	5.2	
	Colwyn Bay	bcb	bcorc	53	66	-	0.5	4.1	4.0	
	Rhyl	bc	bccr	51	69	-	0.1	5.3	3.8	
8	Wallasey	bcc	bcrr	55	68	0.3	4	5.0	4.0	
	Southport	bccbbc	bcop	50	70	-	0.5	6.0	5.9	
	Blackpool	bcc	cqrar	53	68	-	2	4.1	6.8	
	Morecambe	bcc	bccdr	55	67	Trace	6.3	6.3	8.7	
9	Ilkley	bc	bcor	50	70	-	5	4.7	5.0	
	Harrogate	bc	bcor	48	69	-	3	6.3	4.3	
10	Berwick-on-T.	bcc	rc	50	68	1	Trace	5.5	4.7	
11	Dunbar	bcm	cm	52	65	-	-	6.4	4.6	
12	Troon	bccb	bcc	54	57	-	-	0.7	1.5	
	Douglas	bc	bc	53	65	-	-	5.2	6.2	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th July, 1939.
1 S.E. England	
2 E. England	Wind light, variable, freshening from west or northwest to-morrow.
3 E. Midlands	Occasional thundery rain or showers to-day with short bright intervals, improving to-morrow. Average temperature.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Wind light and variable. Thundery showers, but some bright intervals. Average temperature.
12 S.W. Scotland & Isle of Man	
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Wind northwest, moderate. Showery, but bright periods.
18 N. E. Ireland	Average temperature.
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Print. Cornhill House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A complex depression covers the British Isles. The weather will be generally unsettled with thundery showers or occasional rain in all areas.

FURTHER OUTLOOK.

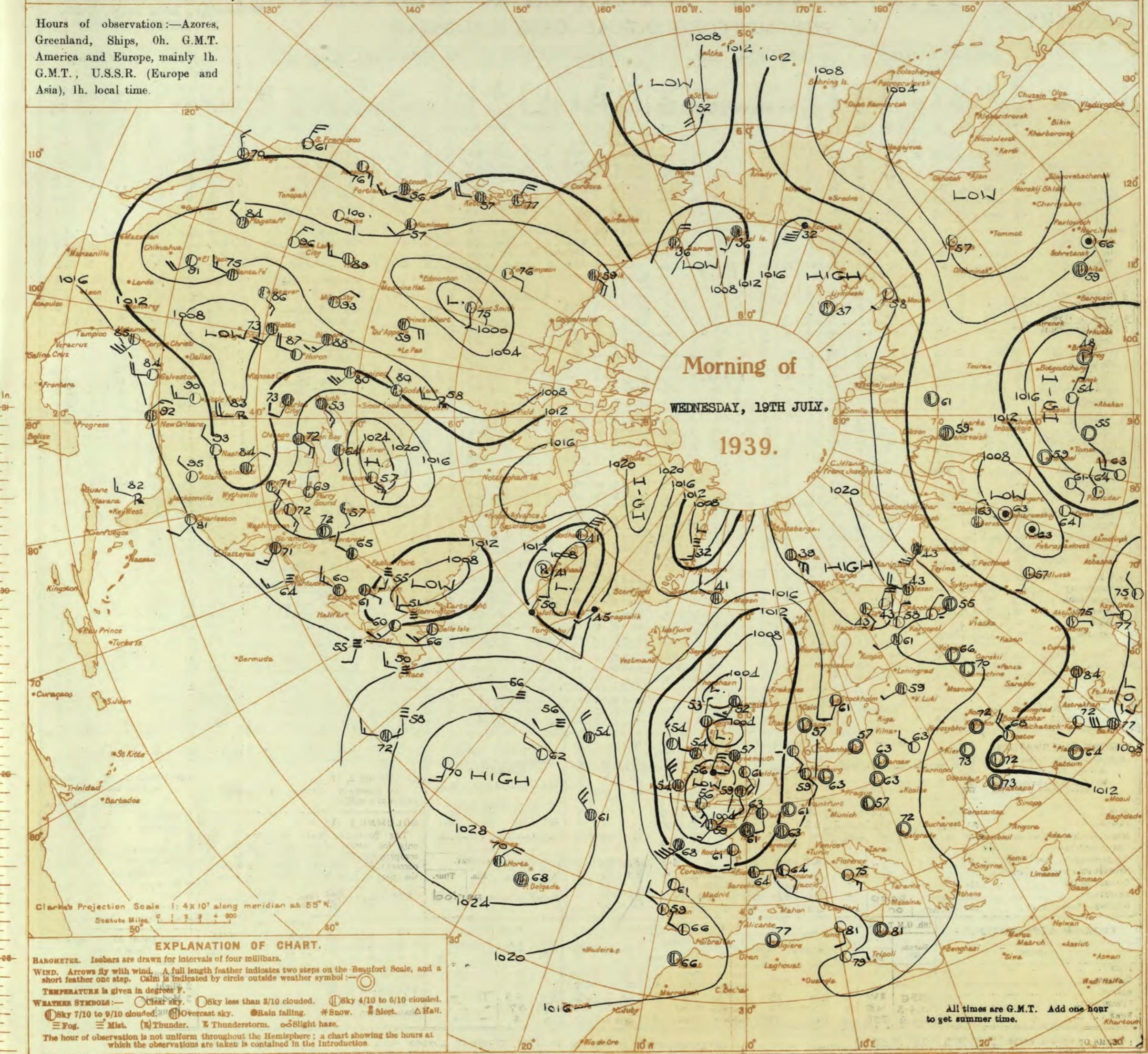
Unsettled.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T., U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday, 19th July, 1939.
No. 28363.

DISTRICT.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 19th July												OBSERVATIONS at 7 hr. G.M.T. 19th July												PAST 24 HOURS.											
		Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 24 hours. (2)	Wind.			Temp. °F. (6)	Humid. % (7)	Visibility 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.			Temp. °F. (19)	Humid. % (20)	Visibility 0-9 (21)	Cloud.				State of Ground. Sea. 0-9 (22)	Temperature.			Rainfall.			SUN-SHINE 12th Hrs. (36)			
					Dir. (3)	Force. (4)	Weather. (5)				Form. (9)	Low (10)	Med. (11)	High (12)	Low 0-10 (13)	Total (14)	Form. (23)	Low (24)	Med. (25)	High (26)	Low 0-10 (27)	Total (28)	State of Ground. Sea. 0-9 (29)	0-9 (30)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass mm. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)								
1	London (Kew) ...	18	* * * * *	*	c	55	87	8	5	-	2-3	91	4000	1004.8 -10	S'E	2	C	85	7	5	-	9+ 1500	1	*	63	56	49	2	2	4.2							
	Croydon ...	217	1006.2 -6	SSE	2	c	55	87	8	5	-	2-3	91	4000	1005.1 -8	S'E'S	2	C	85	8	5	-	7-8 1500	1	*	68	55	55	2	0.2	3.8						
	S. Farnborough ...	226	* * * * *	*	c	54	97	2	5	-	10	10	1150	1003.8 -6	SSE	3	C	92	7	5	3	-	7-8 1500	1	*	65	56	52	3	0.5	1.5						
	Boscombe Down ...	417	1005.2 -2	S'E'S	2	c/F	54	97	2	5	-	10	10	1150	1003.0 -10	S'E	1	C	97	5	3	-	9+ 1500	1	*	61	52	51	6	1	0.0						
	Culshot (St. Hmtn) ...	8	1005.3 -6	SSE	2	b	55	97	8	4	-	9	9	4000	1002.7 -16	S'E'E	4	C	97	8	5	2	-	9+ 1500	1	*	64	56	57	14	0.9	0.0					
	Lymnep ...	346	1007.8 -10	S'E	2	c/r	55	97	7	5	-	9	9	4000	1007.0 -2	S	3	C	97	8	5	-	7-8 1500	1	*	68	58	57	Tr	4	4.5						
	Manston ...	154	1006.6 -8	S'E	1	bc	50	92	8	5	-	3	-	2-3	1005.8 -2	S	3	C	85	8	2	-	4-6 1500	1	*	72	53	55	Tr	2	4.2						
2	Shoeburyness ...	11	* * * * *	*	c	55	87	8	5	-	2-3	91	4000	1005.8 -6	S'E	3	bC	92	7	2	3	-	2-3 1500	1	*	72	60	53	0.2	6	3.0						
	Felixstowe ...	15	* * * * *	*	c	55	87	8	5	-	10	10	1500	1005.8 -8	S'E	3	C	92	8	5	4	-	2-3 1500	0	*	68	61	57	0.2	0.3	4.5						
	Gorleston ...	5	1007.0 -6	S	3	c/pr	85	88	6	-	10	10	1500	1006.2 -4	S'E	3	c/pr	92	7	8	3	-	4-6 1500	0	*	66	59	59	0.1	1	4.5						
	Mildenhall ...	19	1005.5 -8	S	3	Z	52	92	5	-	4-6	9	4000	1005.0 -2	SSE	2	bc	85	8	3	-	2-3 1500	1	*	72	56	56	1	3	2.2							
	Cranwell ...	240	* * * * *	*	c	55	92	8	5	-	10	10	1500	1005.1 +2	S	2	C	92	6	5	7	2	4-6 1500	1	*	67	57	58	2	4	0.4						
3	Birmingham ...	535	* * * * *	*	c	55	87	8	5	-	2-3	91	4000	1004.1 -4	E	2	bc	85	7	5	9	-	2-3 1500	1	*	64	54	49	1	0.2	0.0						
4	Upper Heyford ...	408	* * * * *	*	c	55	87	8	5	-	10	10	1500	1004.0 -8	SE	2	C	85	7	5	7	2	2-3 1500	1	*	65	53	51	3	5	*						
4	Ross-on-Wye ...	223	* * * * *	*	c	55	87	8	5	-	10	10	1500	1003.7 -6	NE	2	c	85	7	5	7	2	4-6 1500	1	*	63	53	46	2	0.1	0.1						
5	Hartland Point ...	299	1002.5 -2	S	3	bC	55	92	8	4	-	2-3	2500	1001.9 +4	E	3	c	97	8	9	-	9 1500	1	2	65	53	51	6	0.1	1.5							
	Bristol ...	209	* * * * *	*	c	55	92	8	5	-	10	10	1500	1003.3 -6	SE	1	c/pr	97	6	5	7	-	4-6 1500	1	2	64	52	45	4	5	1.4						
	Portland Bill ...	32	1004.3 -14	S	3	c	58	92	7	5	-	7-8	4000	1002.5 -12	E	3	c	97	7	5	7	-	4-6 1500	1	3	59	56	56	6	1	*						
	Plymouth ...	82	1003.3 -6	S'E	2	bC/pr	58	92	7	6	-	4-6	4000	1001.9 -2	Z	1	c	97	8	9	-	9 1500	1	0	62	56	53	12	1	0.9							
	The Lizard ...	240	1003.4 +4	SE	2	bC	50	97	8	8	-	2-3	2500	1001.9 -2	O	0	bC	97	8	8	0	-	4-6 1500	1	2	64	53	53	8	-	3.2						
	Scilly (St. Mary's) ...	163	1001.2 -2	S'E	3	bC	50	97	8	4	-	2-3	2500	1001.9 +10	O	0	c	97	8	8	3	3	2-3 1500	1	2	64	53	53	3	0.2	2.6						
	Guernsey ...	175	1004.4 -6	SSE	2	rr	57	97	6	5	-	10	10	1500	1001.5 -6	S	2	c/r	97	8	5	3	-	7-8 1500	1	3	65	56	54	6	3	3.6					
6	Wembroke ...	142	1002.3 0	S	3	c	58	97	7	8	-	7-8	1500	1002.7 0	SE'S	3	bC	97	7	8	2	-	4-6 1500	1	2	63	56	56	9	Tr	0.1						
7	Holyhead ...	26	1002.8 -6	N2E	4	c/pr	56	97	7	6	2	4-6	10	1500	1001.9 0	SE'S	3	rr	97	6	6	2	-	7-8 1500	1	2	62	55	55	2	24	5					

Page 1.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

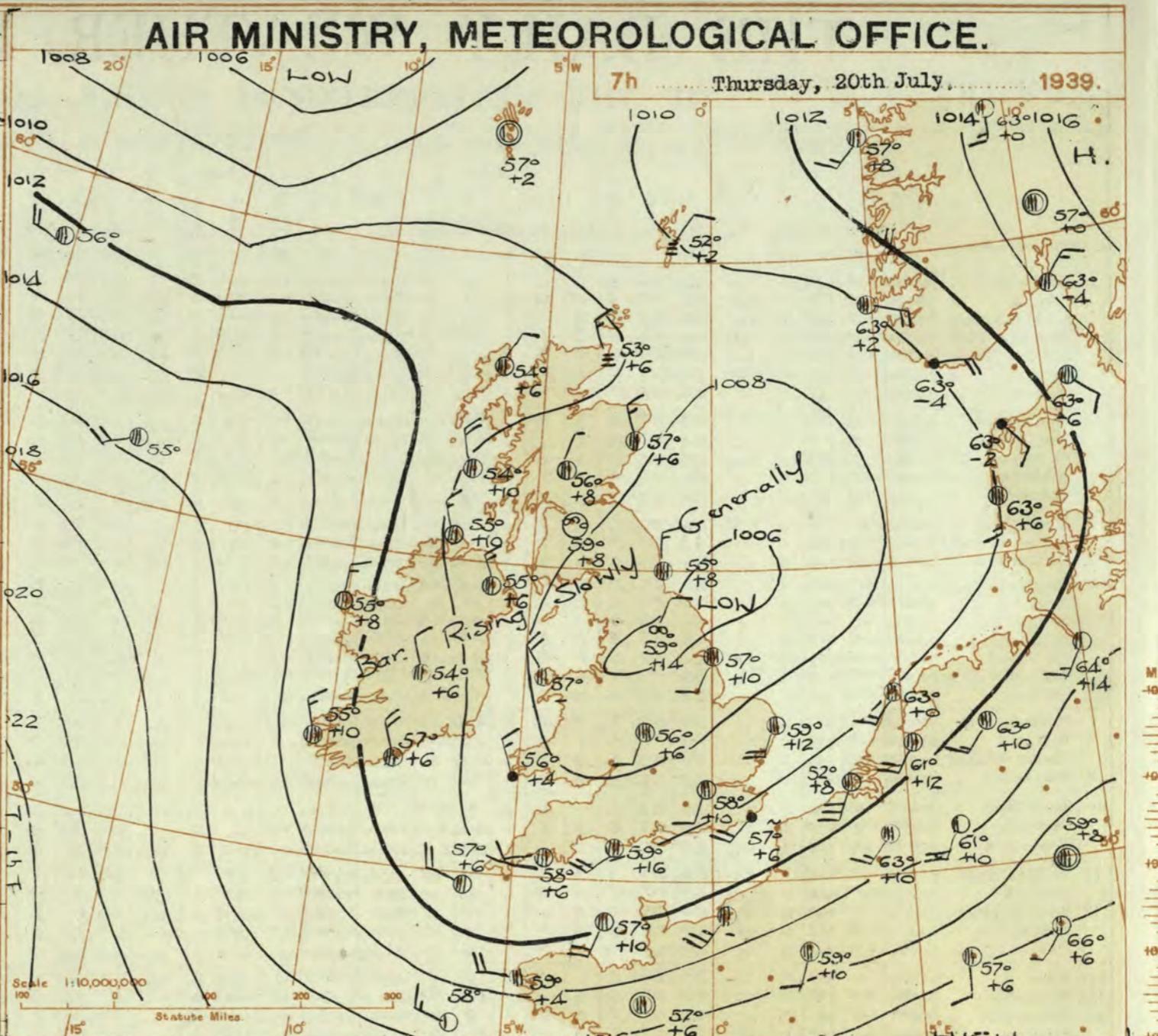
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 20th July, 1939.
No. 28364.

Disturb.	OBSERVATIONS at 13h. G.M.T. 19th July												OBSERVATIONS at 18h. G.M.T. 19th July												PAST 24 HOURS.														
	STATIONS.		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. 0-12	Weather.	Temp. °F	Humid. % 0-9	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. 0-12	Weather.	Temp. °F	Humid. % 0-9	Cloud.				Sea. 0-9	WEATHER.				(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)		
	(1)	(2)							Low	Med.	High	Amount.	Height of Base (feet)						Low	Med.	High	Amount.	Height of Base (feet)																
	(For heights see p. 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)
1 London (Kew) ... 10034 -4 SW 3 S/pr 63 85 8 8 3 - 9 24 1500 10037 +4 SW 3 C 65 75 8 8 5 - 7-8 2500 10039 +2 SW 3 BC 65 75 8 8 2 - 3 24 1500 10040 +4 SE 3 S/pr 62 92 8 9 6 3 9 24 1500 10041 +10 SW 3 DC 65 75 8 8 3 - 2-3 2500 10042 +6 HSW 3 C 61 75 8 8 3 3 4-6 2500 10043 +10 SW 3 DC 64 85 8 8 3 4 3 1 2-3 1500 10044 +10 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10045 0 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10046 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10047 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10048 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10049 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10050 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10051 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10052 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10053 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10054 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10055 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10056 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10057 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10058 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10059 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10060 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10061 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10062 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10063 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10064 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10065 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10066 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10067 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10068 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10069 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10070 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10071 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10072 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10073 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10074 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10075 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10076 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10077 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10078 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10079 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10080 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10081 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10082 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10083 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10084 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10085 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10086 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10087 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10088 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10089 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10090 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10091 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10092 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10093 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10094 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10095 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10096 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10097 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10098 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10099 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10100 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10101 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10102 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10103 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10104 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10105 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10106 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10107 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10108 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10109 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10110 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10111 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10112 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10113 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10114 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10115 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10116 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10117 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10118 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10119 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10120 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10121 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10122 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10123 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10124 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10125 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10126 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10127 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10128 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10129 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10130 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10131 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10132 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10133 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10134 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10135 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10136 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10137 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10138 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10139 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10140 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10141 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10142 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10143 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10144 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10145 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10146 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10147 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10148 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10149 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10150 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10151 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10152 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10153 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10154 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10155 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10156 -2 SW 3 C 60 97 8 9 5 3 4 3 7-8 2500 10157 -2 SW 3 C 60																																							

REPORTS from HEALTH RESORTS for		July		1931					
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Fore-noon.	After-noon.	Min. 9h. 12h.	Max. 9h. - 17h.	Night. 17h. 8h.	Day. 9h. - 17h.	Sunrise to 17h.	Sunrise to Sunset.
1	Tunbridge W.	oroCo	opCoac	56	67	6	1	3.8	3.3
	Bournemouth	cbCps	b	55	68	2	Trace	7.3	0.6
	Ventnor	orc	cbCbc	57	65	8	1	4.2	0.7
	Southsea	ooro	cbCbB	55	67	7	0.2	4.7	0.6
	Bognor Regis	rbcpr	bcb	53	64	8	0.5	4.1	1.5
	Littlehampton	circ	cpCbc	59	64	2	2	4.0	2.3
	Worthing	c	cbcb	59	65	3	-	4.2	2.0
	Brighton	cpc	cpbcb	59	63	1	1	2.5	1.6
	Eastbourne†	cro	orbc	58	65	3	5	3.7	2.8
	Hastings†	bccpc	oreo	59	65	3	7	3.1	3.3
	Folkestone	c	ctlpc	59	68	4	4	4.7	4.4
	Dover	bc	bcrc	60	67	6	5	4.7	4.7
	Deal	bbcc	cotlr	59	70	5	3	5.1	4.4
	Ramsgate	bcc	tlr	60	66	2	3	5.7	4.3
	Margate	bc	bcrtl	60	70	2	5	7.7	5.1
2	Southend	cbcc	cPc	60	70	2	1	6.4	3.3
	Clacton-on-Sea	bc	aprcw	61	67	1	2	6.4	4.2
	Dovercourt	bcrtc	bcroc	57	69	Trace	Trace	7.9	5.1
	Lowestoft	crbcb	bbcar	60	68	0.3	Trace	5.7	4.1
	Skegness	bbcor	oco	60	69	1	1	5.2	2.0
	Mablethorpe	bbc	bepp	60	67	2	Trace	4.9	1.1
	Cleethorpes	bc	bcrlr	57	66	6	1	5.6	3.7
3	Leamington S.	cpor	orc	55	64	2	12	1.3	0.1
4	Cheltenham†	orro	ocbcc	54	67	6	3	1.6	0.3
5	Bath	cbct	tlr	54	67	6	6	1.7	0.3
	Weymouth	cb	b	57	65	3	-	7.3	0.1
	Jersey	rrcbc	bc	57	65	11	-	6.8	2.8
	Torquay	crpbc	cpbc	54	63	5	2	2.9	0.5
	Falmouth	fempc	cvpoc	54	65	0.2	Trace	4.3	1.5
	Penzance	b, cbc	b, cdc	56	68	-	0.5	6.6	2.4
	St. Ives	...	...	...	...	...	...	...	...
	Bude	bc	bbcpo	54	64	-	0.2	5.3	2.0
	Ilfracombe	oroc	cbc	55	64	1	-	3.6	2.6
6	Aberystwyth	prbcc	prc	55	65	6	0.5	2.4	0.6
7	Llandudno	bcc	cbccr	59	65	3	0.1	3.7	3.8
	Colwyn Bay	cbcc	bcorn	59	65	1	2	3.2	4.8
	Rhyl	b	bccr	58	65	4	3	5.7	5.3
8	Wallasey	bbc	bbcrng	60	72	3	5	5.6	5.0
	Southport	bbbbc	bbtLr	59	72	3	15	5.8	6.0
	Blackpool	bcb	tqporc	59	72	3	2	6.0	4.1
	Morecambe	bc	drtlr	60	67	5	11	1.8	6.3
9	Ilkley	bc	otlro	60	72	4	5	4.5	4.7
	Harrogate	bc	bcc	58	70	6	-	5.4	6.3
10	Berwick-on-T.	o	cfo	55	60	1	-	1.4	5.5
11	Dunbar	cm, r	cm	55	58	0.5	Trace	0.0	7.2
12	Troon	bcb	bcb	49	67	-	-	2.6	3.2
	Douglas	bcpr	bc	55	67	12	0.5	2.6	5.9



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th July, 1939.
1 S.E. England	
2 E. England ...	Wind between west and northwest moderate; local thundery showers but bright intervals today; cloudy, occasional drizzle tomorrow; average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind northerly moderate backing to west and freshening; showery today, local coast fog; cloudy with drizzle tomorrow; average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind between west and north, freshening tomorrow; mainly fair today apart from local showers; cloudy, with occasional drizzle tomorrow; becoming warmer inland.
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Wind northwest moderate; mainly fair today, cloudy with occasional drizzle later; rather warm.
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE

A depression over Yorkshire is moving northeastwards and another over Iceland will move southeastwards. Today there will be a decreasing chance of thundery showers. Tomorrow cloudy conditions with drizzle will spread from the northwest.

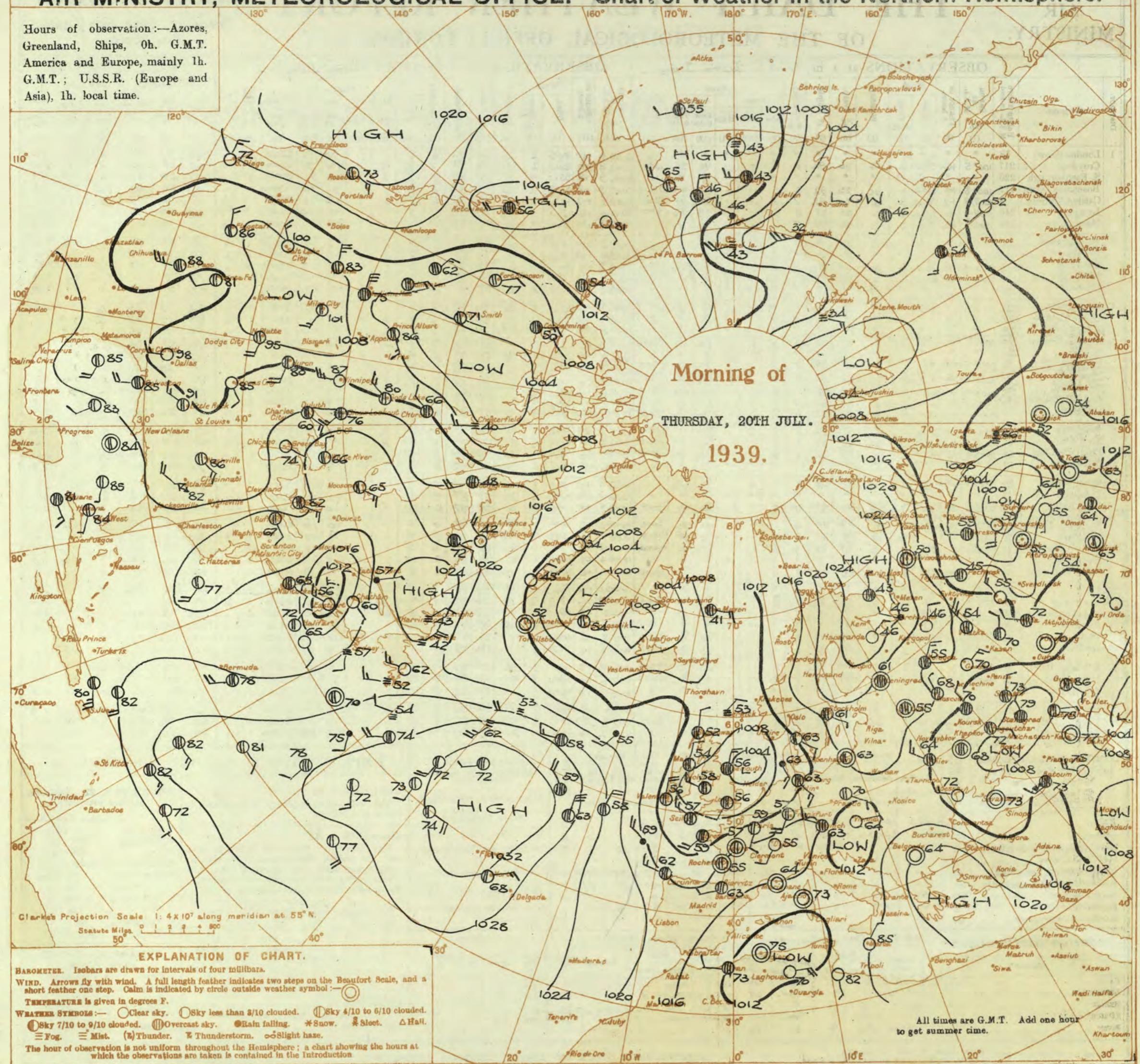
FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 0930 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Thursday, 20th July, 1939.
No. 28364.

Disturb.	STATION.	OBSERVATIONS at 1 hr. G.M.T. 20th July										OBSERVATIONS at 7 hr. G.M.T. 20th July										PAST 24 HOURS.																
		Height above M.S.L. in feet.	Barom. at M.S.L.	Wind.		Weather.	Temp. °F.	Humid.	Visibility 0-9	Cloud.						Barom. at M.S.L.	Wind.		Weather.	Temp. °F.	Humid.	Visibility	Cloud.						State of Ground.	Sea.	TEMPERATURE.				SUN-SHINE Hrs.			
				Dir.	Force.					Low	Med.	High	0-10	Total 0-10	Height of Base. (feet)		Dir.	Force.					0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.										
1	London (Kew) ...	18	* * * * *	*	*	Zo	56	92	6	5	-	-	94	94	1500	1008.6	+10	SW	2	Zo	59	92	6	8	-	-	94	94	2800	1	* 68	53	45	2	Tr	5.6		
	Croydon ...	217	1007.5	+6	SSW	2	bc	56	92	6	5	-	-	94	94	1500	1008.8	+10	SSW	2	c/r	58	92	7	9	4	3	46	9	1500	1	* 68	55	52	2	1	7.2	
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.9	+8	SSW	4	c	57	85	8	5	3	-	23	9	1500	1	* 67	54	50	8	0.4	5.1		
	Boscombe Down ...	417	1007.8	+4	SW	1	bc	55	91	8	5	-	-	94	46	2500	1008.9	+8	SW	2	Zo	56	92	6	7	-	9	10	1500	1	* 65	50	48	15	Tr	3.1		
	Calshot (Shuttle.) ...	8	1007.9	+2	SSW	3	c	60	92	7	5	-	-	94	94	800	1009.2	+12	SSW	3	PR	59	92	6	8	3	-	78	94	450	1	* 67	56	55	4	4	7.7	
	Lympne ...	348	1009.4	+6	SW	2	c	55	97	8	5	-	-	78	78	800	1010.0	+6	SW	4	id.	57	97	6	5	-	-	10	10	450	1	* 66	54	51	5	Tr	3.1	
	Manston ...	154	1008.9	+12	SW	3	b	56	92	7	-	-	-	0	0	-	1009.7	+10	SSW	4	c	59	85	7	5	7	-	78	9	800	1	* 71	54	51	9	Tr	6.4	
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+10	SW	3	pr	59	97	8	9	7	-	78	94	1500	1	* 68	59	51	2	0.5	7.0		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.0	+14	SW	4	c	61	85	8	7	3	3	78	78	800	0	* 70	58	55	1	7.1			
	Gorleston ...	5	1006.4	+6	SSW	3	bc	59	85	7	5	-	-	46	46	2500	1008.9	+12	SW	3	c	59	85	7	5	-	-	78	78	2500	0	* 67	55	52	1	0.1	7.5	
	Mildenhall ...	19	1006.1	+10	SSW	2	b	56	92	8	5	-	-	Tr	Tr	4000	1007.9	+12	SW	3	c	59	92	7	5	-	-	94	94	1500	1	* 72	55	51	0.6	Tr	7.9	
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.8	+14	SSW	2	Zo	57	97	5	5	-	-	10	10	450	1	* 68	51	48	3	0.1	5.6		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.9	+6	SSW	2	c	56	92	8	5	-	-	10	10	800	1	* 64	55	53	6	-	2.9		
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	+10	SSW	2	Zo	56	92	6	5	3	-	78	94	450	1	* 65	51	47	1.2	0.9	1.2		
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	+6	SSW	2	c	56	92	6	2	-	-	9	10	1500	1	* 65	54	51	1	0.9	1.2		
6	Hartland Point ...	209	1007.7	+4	NW	3	c	57	92	8	6	2	-	46	10	1500	1008.3	+8	W	3	r	58	97	8	9	2	-	78	10	1500	1	* 67	57	56	0.6	6.6		
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.9	+4	SSW	2	RR	55	97	6	5	-	-	10	10	800	1	* 67	55	53	2	7	5.9		
	Portland Bill ...	32	1008.0	+14	NW	3	rr	58	92	7	5	-	-	10	10	2500	1009.2	+6	WSW	4	c	59	85	7	5	7	-	78	10	4000	1	3	61	54	1	*	1	
	Plymouth ...	82	1009.3	+6	WS	2	c/r	57	92	6	5	7	-	78	10	1500	1009.7	+6	WS	2	c	58	92	7	9	7	-	78	10	800	1	1	65	56	54	0.1	6.1	
	The Lizard ...	240	1010.0	0	SWW	3	bc	58	97	7	8	6	-	46	46	2500	1010.6	+6	WSW	4	c	56	97	8	8	2	-	78	94	1500	1	1	65	54	54	2	9.3	
	Scilly (St. Mary's) ...	163	1009.7	+2	WNU	3	c	57	92	8	7	-	-	78	10	1500	1010.2	+6	WNW	4	c	57	97	8	4	7	-	46	94	2500	1	3	62	56	54	0.4	3.2	
	Guernsey ...	175	1011.6	+4	SW	4	c	58	92	6	8	-	-	94	94	800	1011.0	+10	SW	4	c	57	92	8	4	7	-	46	94	1500	1	3	64	54	53	-	2	
6	Pembroke ...	142	1007.5	0	W'N	3	c	57	92	8	8	2	-	78	10	1500	1008.3	+4	NNW	3	rr	56	97	6	8	2	-	10	10	1500	1	1	62	55	51	1	14	5.6
7	Holyhead ...	26	1005.5	+																																		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 21st July, 1939.
No. 28365.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

- 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, low fog over sea (coast station).
- fg, low fog over land (inland station).
- m, mist, visibility 1100-2200 yds.
- h, hail. i, intermittent.
- jf, fog at a distance, but not at station.
- jp, precipitation within sight of station.

q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, 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
 R, heavy rain. r_o, slight rain.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- CLOUD.**

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

COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.

- CLOUD.**

No cirriform cloud.
 Fine Ci not increasing : sparse.
 Fine Ci not increasing : abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing : usually in tufts.
 Ci or Cs increasing : still below 45° altitude : often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude : often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Cc predominating, and a little cirrus.
 c may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
 Columns 18, 27. The figures in these columns indicate the total amount of all forms of cloud.
 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 1/20 of the sky.
 "9+" signifies an overcast sky with a few small openings.

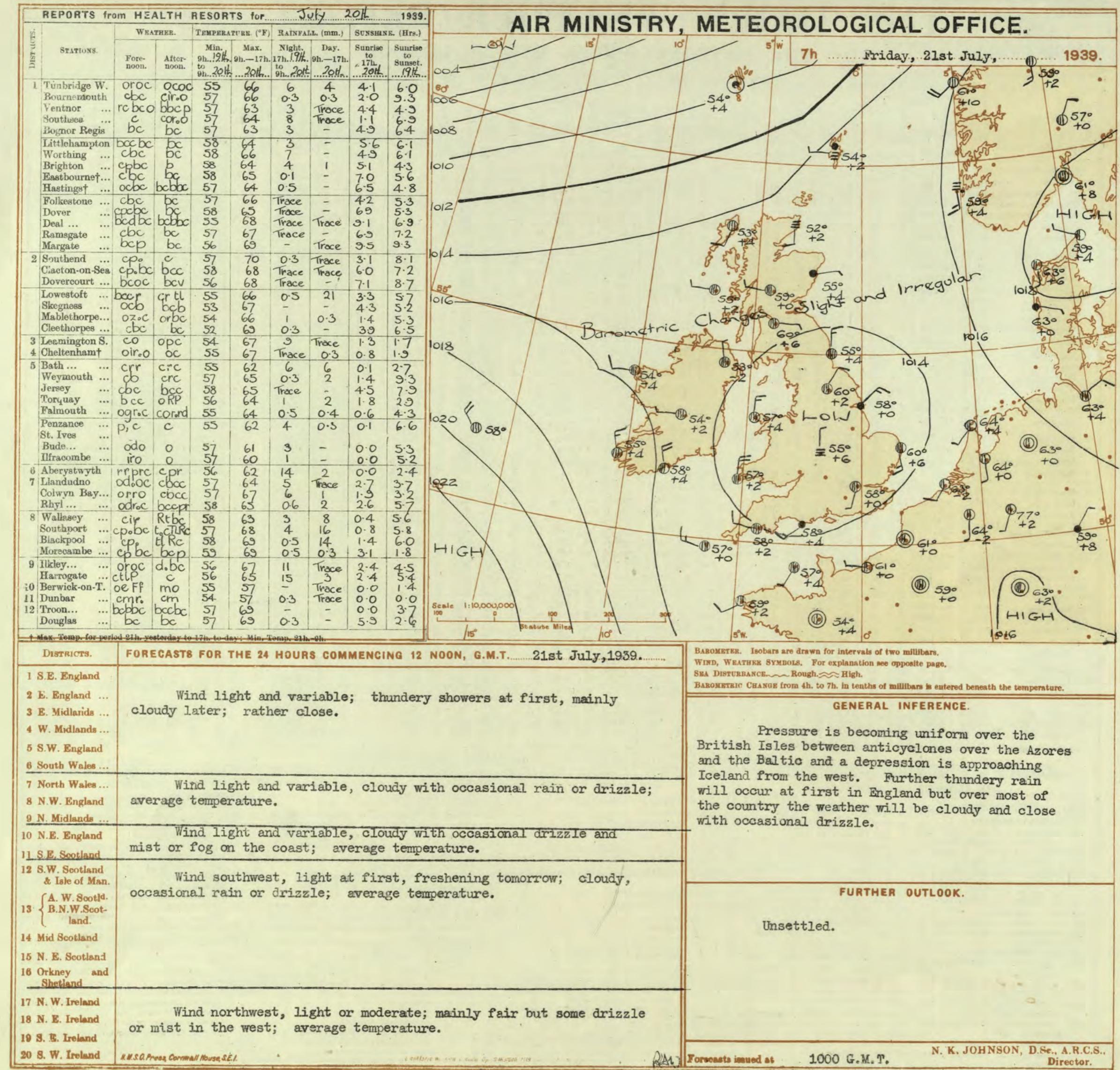
Cloud form abbreviations:—

COLUMN 29 — STATE OF GROUND.

- | COLUMN 12.—STATE OF GROUND. | |
|-----------------------------|--|
| 0 . . | Ground dry. |
| 1 . . | wet. |
| 2 . . | flooded. |
| 3 . . | frozen hard and dry. |
| 4 . . | partly covered with snow or hail. |
| 5 . . | covered with ice or glazed frost. |
| 6 . . | covered with thawing snow. |
| 7 . . | Ground covered with snow, less than 6 ins., deep, but ground not frozen. |
| 8 . . | covered with snow, less than 6 ins., but ground frozen. |
| 9 . . | covered with snow greater than 6 ins. deep. |
| — . . | Fresh snow has fallen in the mountains. |

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.

⁸ See disturbance reported from Bungoroo.

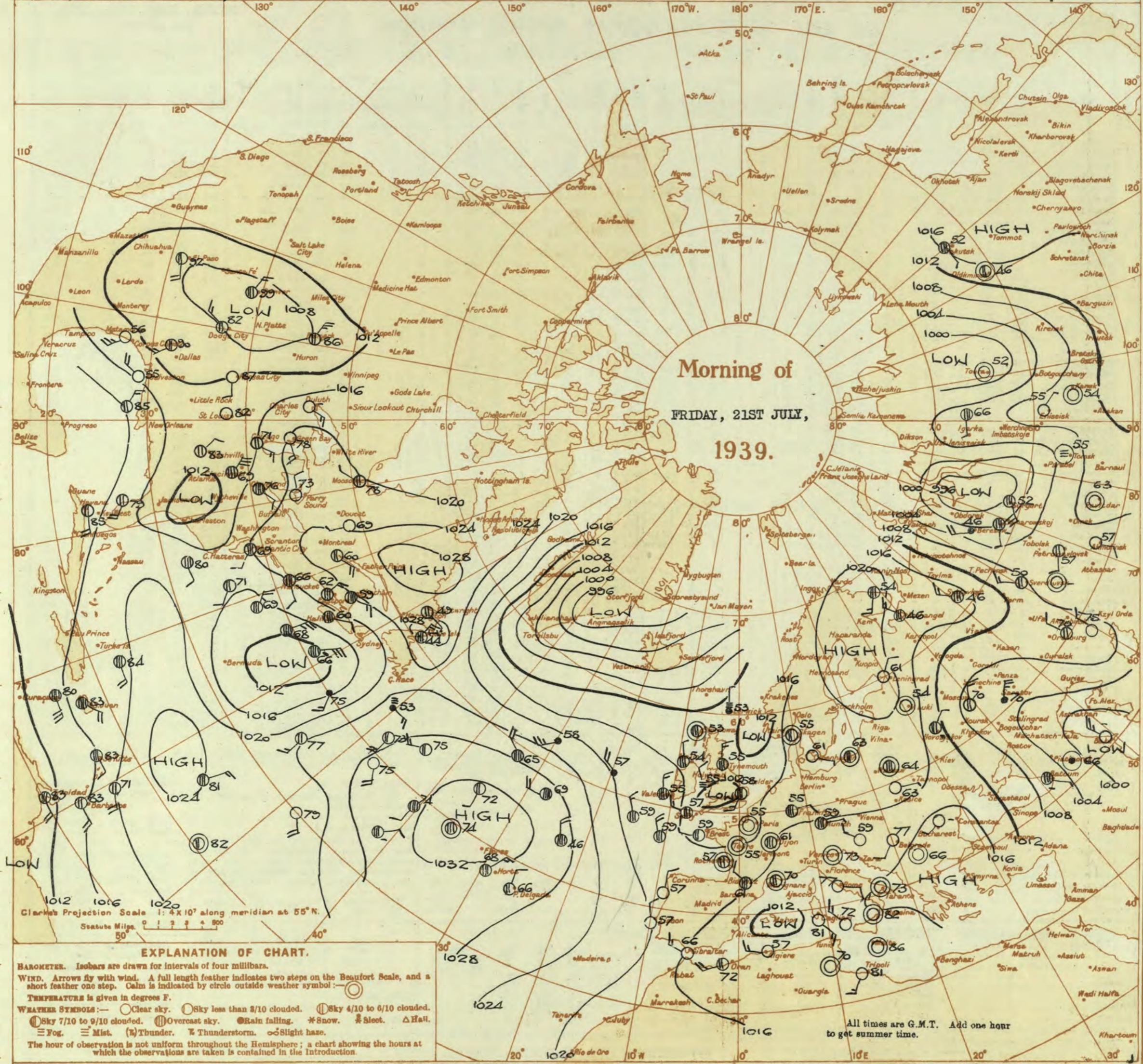


AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Morning of

FRIDAY, 21ST JULY,

1939.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 21st July, 1939.
No. 28365.

DISTRICT.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. July 21st												OBSERVATIONS at 7 hr. G.M.T. July 21st												PAST 24 HOURS.																														
		Height above M.S.L. in feet.	Barom. mb.	Change in hours.	Wind.			Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						Barom. mb.	Change in 3 hours.	Wind.			Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						Barom. mb.	Change in 3 hours.	Wind.			Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.						State of Ground.	Sea. 0-9	TEMPERATURE.			RAINFALL.			SUN-SHINE 24 hrs.
					Dir.	Force.	Low.					Med.	High.	Low 0-10	Total 0-10	(9)	(10)	(11)	(12)	(13)	(14)	Dir.	Force.	0-12	Form.	Amount.	Height of Base. (feet)	Low 0-10	Total 0-10	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	Max. Day 7h-18h	Min. Night 18h-7h	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.	Tr.							
1	London (Kew) ...	18	*	*	*	*	*	*	58	97	6	6	2	-	4-6	10	800	1013.0	t+ 4	SW 2	r/r 59	92	5	6	2	-	7-8	10	800	1	*	63	58	57	10	5	0.6																			
	Croydon ...	217	1013.1	+2	SSW 2	c	r/r	58	97	6	6	2	-	4-6	10	800	1013.0	o 0	s/w 1	c/r 58	97	6	9	2	-	9	10	1500	1	*	63	57	57	0.5	13	1.1																				
	S. Farnborough ...	226	*	*	*	*	*	*	57	97	6	6	2	-	7-8	10	1500	1012.9	t+ 4	SW 2	r/r 58	97	6	5	2	-	7-8	10	1500	1	*	63	57	54	8	2	0.2																			
	Boscombe Down ...	417	1012.9	-2	SW 2	z	20	57	97	6	6	2	-	7-8	10	1500	1013.0	+2	s/w's 1	z 57	97	5	5	2	-	10	10	450	1	*	60	56	55	8	0.2	0.0																				
	Calshot (Gh. Min.) ...	8	1013.1	+2	WSW 2	c	z	60	92	6	5	-	-	10	10	1500	1013.3	+2	WSW 2	z 60	85	6	8	2	-	9	10	800	1	2	65	58	57	2	0.2	0.8																				
	Lyminge ...	346	1014.7	0	SSW 2	c	c	56	92	7	5	-	-	7-8	7-8	1500	1014.3	-2	s/w 3	b 59	55	8	1	7	1	4-6	9-6	1500	0	8	64	55	52	0.2	-	6.5																				
	Manston ...	154	1014.4	-2	S 3	c	58	85	7	5	7	-	0	9	-	1014.2	0	SSW 4	c 60	85	8	5	3	1	1	7-8	800	0	*	69	55	52	Tr	-	8.6																					
2	Shoebury Ness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	70	58	57	0.3	3	4.6														
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	71	58	58	Tr	2	8.4														
	Gorleston ...	5	1013.0	0	S 3	c	58	92	7	8	-	-	9+	9+	2500	1013.5	+2	SSW 4	c 60	92	7	6	7	-	9+	10	800	1	3	65	58	56	14	2	4.5																					
	Mildenhall ...	19	1012.0	0	S/E 3	z	58	97	6	5	-	-	10	10	1500	1012.5	+6	s/w 3	c/r 59	92	8	8	2	-	9	10	1500	1	*	70	57	55	1	8	4.9																					
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	67	53	52	2	-	2.0															
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	57	55	2	1	*															
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	67	55	52	3	-	1.0															
6	Hartland Point ...	299	1013.2	0	NW 2	c	58	97	8	5	2	-	7-8	10	1500	1013.0	0	NW 2	c/r 59	97	6	6	2	-	7-8	10	800	1	2	59	57	56	1	4	0.0																					
	Bristol ...	203	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	57	55	8	Tr	0.0																
	Portland Bill ...	32	1012.9	+6	W 3	o	58	92	7	5	-	-	10	10	2500	1013.1	+7	WSW 1	z 58	92	7	5	-	-	10	10	2500	1	3	60	55	*	0.5	0.3	"																					
	Plymouth ...	82	1014.0	+2	W 2	z	58	92	6	5	-	-	10	10	1500	1014.0	+2	w/n 2	z 58	97	6	5	-	-	9	9	1500	1	1	62	57	56	0.6	-	0.1																					
	The Lizard ...	240	1014.8	+8	NW 3	c	56	97	8	8	2	-	2-3	2-3	2500	1014.9	+2	w/s 2	c 57	97	8	8	2	-	7-8	10	2500	1	1	60	54	*	2	-	0.1																					
	Scilly (St. Mary's) ...	163	1014.7	+2	NW 3	c	57	97	8	8	2	-	1-6	10	2500	1014.5	0	w/n 3	c 57	97	8	8	8	-	9-6	7-8	2500	1	2	63	56	*	-	2.9																						
	Guernsey ...	175	1014.6	+2	WSW 2	c	57	97	8	5	-	-	9	9	1500	1014.7	+7	SW 1	c/r 57	97	6	5	-	-	10	10	450	1	3	62	56	*	-	1.7																						
7	Pembroke ...	142																																																						

Page 1.
**AIR
MINISTRY.**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 22nd July, 1939.
No. 28366.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

- 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, low fog over sea (coast station).
- fg, low fog over land (inland station).
- m, mist, visibility 1100-2200 yds.
- h, hail. i, intermittent.
- jf, fog at a distance, but not at station.
- jp, precipitation within sight of station.

q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, 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
 R, heavy rain. r_o, slight rain.

COLUMNS 9, 23.—FORM OF LOW CLOUD

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

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.

- No cirriform cloud.
 Fine Ci not increasing: sparse.
 Fine Ci not increasing: abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing: usually in tufts.
 Ci or Cs increasing: still below 45° altitude: often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Ci predominating, and a little cirrus.
 (It may occur with any of the types 1 to 8).

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

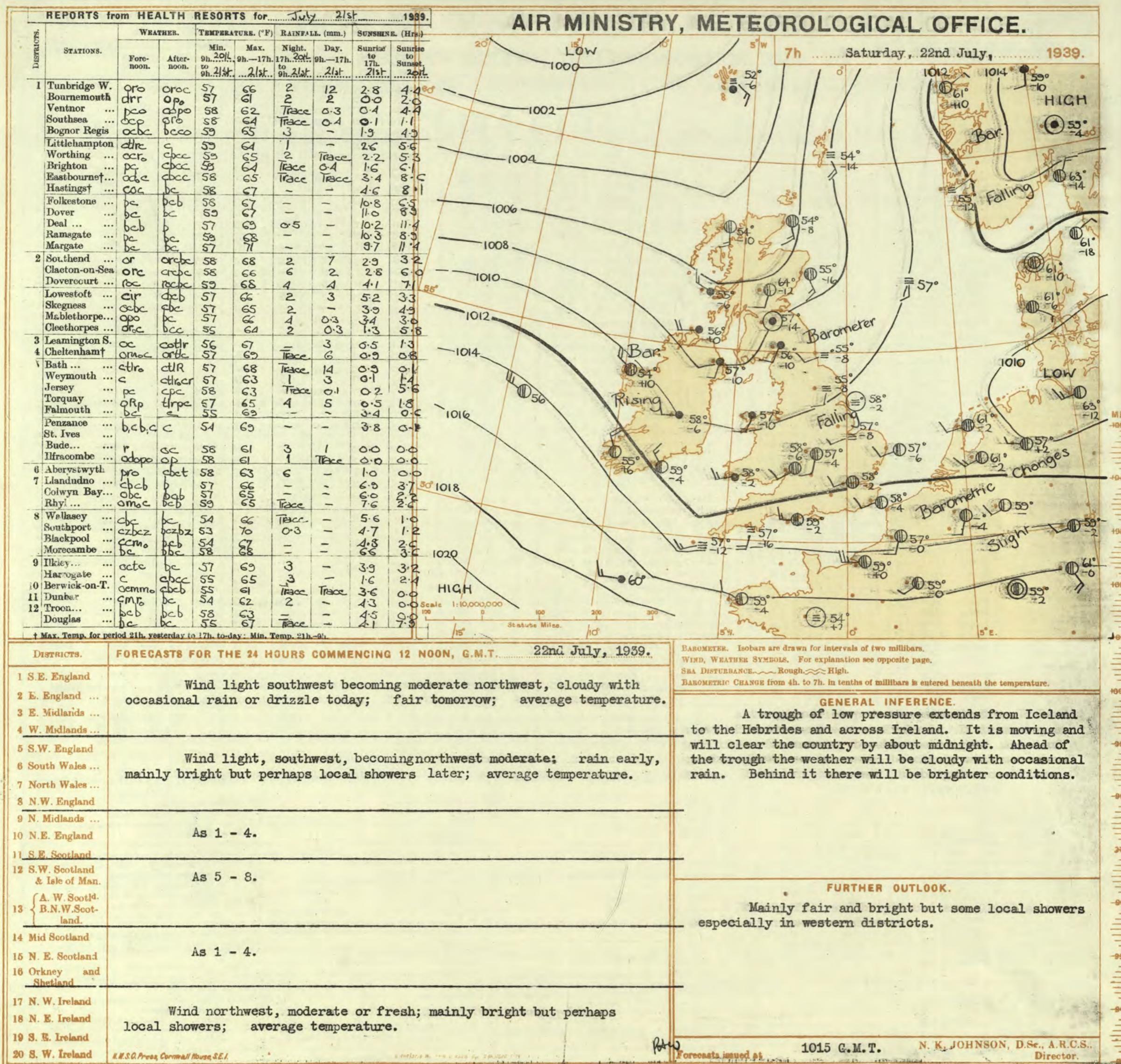
Cloud form abbreviations:—
 Cirrus,—Ci : Cirrocumulus,—Cc : Cirrostratus,—Cs : Altocumulus,—Ac : Altostratus,—As :
 Stratocumulus,—Sc : Stratus,—St : Nimbostratus,—Ns : Cumulus,—Cu : Cumulonimbus,—Cb.

COLUMN 29.—STATE OF GROUND.

- | | | | |
|------|-------------------------------------|------|---|
| 0 .. | Ground dry. | 7 .. | Ground covered with snow, less than 6 ins., deep but ground not frozen. |
| 1 .. | " wet. | | |
| 2 .. | " flooded. | 8 .. | " covered with snow, less than 6 ins., but ground frozen. |
| 3 .. | " frozen hard and dry. | 9 .. | " covered with snow greater than 6 ins. deep. |
| 4 .. | " partly covered with snow or hail. | | |
| 5 .. | " covered with ice or glazed frost. | | - .. Fresh snow has fallen in the mountains. |
| 6 .. | " covered with thawing snow. | | |

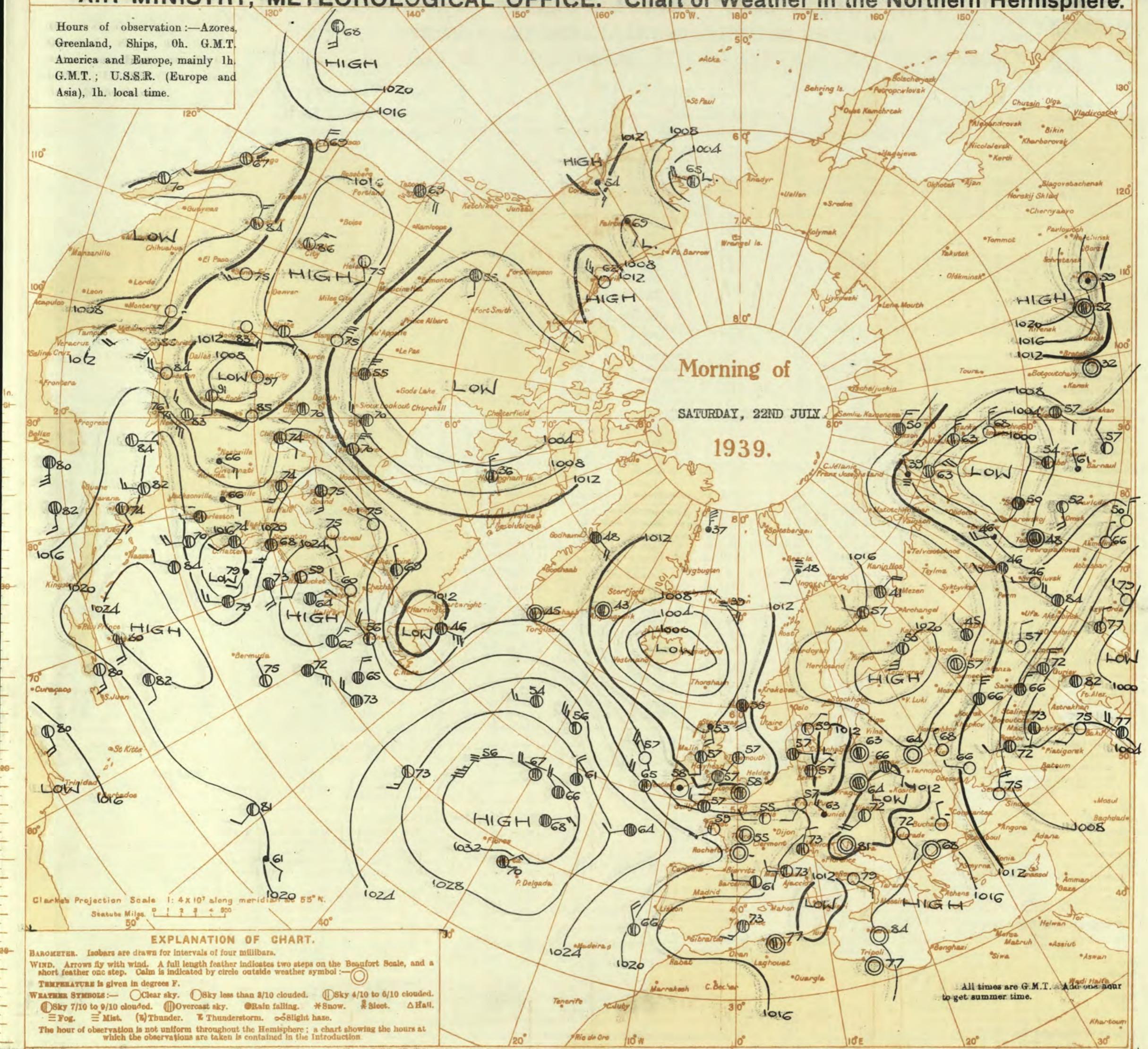
NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

Sea disturbance reported from Dungeness.



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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; U.S.S.R. (Europe and
Asia), 1h. local time.



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 22nd July, 1939.
No. 28366.

LONDON OBSERVATIONS											Height above M.S.L. in feet.	EXPLANATION OF FIGURES, LETTERS, etc.										
Weather			Temperature.				Rainfall.		Humidity.		Atmospheric Pollution.	Milligrams of Solid Impurity per cubic metre.			COLUMNS 2, 16.			COLUMNS 8, 22. Code for				
Morning	Afternoon	Night	Day Max.	Night Min.	Min. on Grass	Day	Night	Sun-shine to Sunset hrs.	15h. G.M.T.	9h. G.M.T.	Visibility 9h.	24 hrs. ended 7h. G.M.T.	To-day.									
24 hrs. ended 9h.	°F.	°F.	°F.	°F.	°F.	mm.	mm.	Yesterd.	To-day.	24 hrs. ended 7h. G.M.T.	2244											
Kew...	18	erract	ctrarec	ctbcm, om	65	58	53	6	-	0.5	*	*	6	SOUTH KENSINGTON.	Objects not visible.	0 Dense fog.	55 yards.					

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 8, 22 Code for
surface visibility

The barometric tendency is expressed in
ths 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

og 550 ,

- | | | |
|----------------|-----------------|--------|
| oderate fog | 1,100 | " |
| ist or haze | $1\frac{1}{2}$ | miles. |
| oor visibility | $2\frac{1}{2}$ | " |
| oderate „ | $6\frac{1}{2}$ | " |
| ood „ | $12\frac{1}{2}$ | " |
| ery good „ | 31 | " |
| xcellent „ | beyond 31m. | |

**COLUMN 30.—Code for
State of Sea.**

- | | | |
|----------|---|--------------|
| alm. | 5 | Very rough. |
| nooth. | 6 | High. |
| ight. | 7 | Very high. |
| oderate. | 8 | Precipitous. |
| ough. | 9 | Confused. |

FOREIGN OBSERVATION

STATIONS.	Barom. mb.	Wind		Temp. °F.	Barom. mb.	Wind.		Weather.	Ten.p. °F.	Max. Day °F.	Min. Night °F.	Rainfall.		1 2 3	1-3 4-7	5 6	19-24 25-31	10 11	50-63 64-75	
		Dir.e.	Forc.e.			Dir.e.	Forc.e.					Day mm.	Night mm.							
PARIS ...	1014.9	E	2	c/br	61	1015.7	SW	1	20	59	72	54	31	1						
BRUSSELS ...	1013.6	W'S	2	C	68	1014.0	SSW	2	C	77	77	*	-	*						
BERLIN ...	1012.5	ENE	1	C	75					77		Tr								
ZURICH ...	1013.6	SSE	1	pr	68	1016.3	NNW	3	d.d.	59	75	*	0.1	*						
ROME ...	1013.9	SE	2	br	80	1017.2	SW	1	20	59	75	0.1	0.1							

TERMS OF SUBSCRIPTION. (Single Copies, 1d. each; or post 1½d.)
12/- per month; 8/- per quarter; 25/- per year.

METEOROLOGICAL OFFICE AIR MINISTRY KINGSWAY LONDON W.C.2

N. K. JENKINS, D.Sc., A.R.C.S., Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 23rd July, 1939.
No. 28367

DISTRICT.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 22nd July.												OBSERVATIONS at 18h. G.M.T. 22nd July.												PAST 24 HOURS.												
		Wind.			Cloud.			Wind.			Cloud.			Wind.			Cloud.			Wind.			Cloud.			WEATHER.		7h.-13h. 22nd.		13h.-18h. 22nd.		18h.-23h. 23rd.		1h.-7h. (39)				
		Barom. mb.	Change in 3 hours.	Direc. 0-12	Weather.	% Temp.	% Humid.	0-9 Visibility	Form	Low	Med.	High	Amount.	Total 0-10	Height of Base (feet)	Barom. mb.	Change in 3 hours.	Direc.	0-12	Weather.	% Temp.	% Humid.	0-9 Visibility	Form	Low	Med.	High	Total 0-10	Height of Base (feet)	State of Ground.	Sea. 0-9	7h.-13h. 22nd.	13h.-18h. 22nd.	18h.-23h. 23rd.	1h.-7h. (39)	(40)		
1	London (Kew)...	1010.8	-6	SW	3	C	C4	75	8	5	2	-	9	10	1500	1009.7	-4	SW	3	C	62	85	7	5	-	10	10	1500	1	* cmoc	c	cw						
	Croydon ...	1011.2	-6	SW	2	C	CS	75	8	3	-	78	9+	1000	1010.3	-2	SSW	3	Ido	60	92	8	5	7	-	46	10	2500	1	* cmoc	grado	RrrRrr	adssbcc					
	S. Farnborough	1010.8	-6	SSW	4	C	C3	75	8	5	3	-	78	9+	2500	1009.8	-2	SSW	3	Ido	60	85	6	5	-	10	10	1500	1	* cmoc	circdgc	Ido	rrr	cbcc				
	Boscombe Down	1010.9	-10	SW	3	C2	85	8	5	1	-	46	10	1500	1009.4	-10	SW	3	C4	62	85	8	5	2	-	10	10	1500	1	* cmoc	cirr	rrr	rrr	cbcc				
	Culshot (Soton.)	1011.8	-8	SW	4	I6	63	92	7	8	3	-	9+	9+	2500	1010.3	-10	SW	4	Cip	60	97	7	6	-	-	10	10	800	0	* cmoc	ccccc	cccc	cccc	ccccc			
	Lyminge ...	1011.6	-6	WSW	3	C	GS	75	7	8	3	-	9+	9+	2500	1010.9	-8	WSW	4	C	61	75	8	5	-	1	9	9	2500	0	* cmoc	cccc	cccc	cccc	cccc			
	Manton ...	1010.6	-6	WS	3	C/pr	66	75	6	8	-	9+	9+	1500	1009.5	-6	SW	4	DC	64	75	8	7	1	2-3	1500	1	* cmoc	cmoc	pr	cccc	cccc						
2	Shoeburyness ...	1010.7	-6	WS	3	pr	66	75	6	8	3	-	9	9+	1500	1009.6	-4	SL	3	DC	65	75	8	7	4	1	2-3	1500	1	* cmoc	cmoc	cmoc	cmoc	cmoc				
	Felixstowe ...	1009.9	-6	WN	3	Zo	63	65	6	7	1	-	9	9+	1500	1008.7	-6	WS	4	DC	60	65	7	8	6	9	1-6	2500	0	2	cmoc	cmoc	cmoc	cmoc	cmoc			
	Gorleston ...	1009.2	-4	SW	3	C	C3	85	6	5	5	-	10	10	2500	1007.9	-4	WSW	2	C	63	85	6	8	-	9+	9+	2500	1	1	zro	cpoc	cpoc	cpoc	cpoc			
	Mildenham ...	1009.4	-6	SW	3	I6	62	85	6	6	2	-	9	10	1500	1008.2	-4	WSW	4	prq	65	75	7	8	7	-	16	9	2500	1	* cmoc	circn	circn	circn	circn			
	Cranwell ...	1008.8	-8	WSW	2	Zo	65	75	6	5	2	-	9	10	2500	1007.6	-2	WS	2	Ido	61	85	6	5	7	-	4-6	10	4000	0	* cmoc	cmoc	cmoc	cmoc	cmoc			
3	Birmingham ...	1009.2	-8	SW	3	C/pr	C2	75	6	8	2	-	9	10	2500	1008.1	-2	SL	2	id	64	92	5	C	2	-	9	10	800	1	* cpro	cldm	cldm	cldm	cldm			
4	Upper Heyford	1010.2	-6	SW	3	C	C2	85	7	5	3	-	78	10	1500	1008.2	-6	SW	3	ir	61	85	7	5	7	-	9	10	1500	1	* cmoc	cmoc	cmoc	cmoc	cmoc			
5	Ross-on-Wye ...	1009.6	-10	SW	3	C	C2	85	7	5	-	-	10	10	2500	1008.6	-8	SW	3	C	62	92	7	5	7	-	9	9+	2500	1	2	cmoc	cmoc	cmoc	cmoc	cmoc		
	Hartland Point	1010.3	-4	W	3	DR	59	97	6	5	2	-	9	10	800	1011.2	+4	WNW	3	C	57	97	8	8	-	-	10	10	1500	1	2	cmoc	cmoc	cmoc	cmoc	cmoc		
	Bristol ...	1010.8	-10	SW	3	I6	60	85	8	5	2	-	4-6	10	1500	1009.7	-6	WS	3	C	62	85	8	5	7	-	7-8	9	1500	1	3	cor	cor	cor	cor	cor		
	Portland Bill	1012.8	-12	WSW	4	rr	58	92	7	5	5	-	10	10	2500	1010.7	-14	WSW	4	C	59	92	7	5	-	-	10	10	2500	1	1	corr	corr	corr	corr	corr		
	Plymouth ...	1011.7	-6	WSW	2	rr	59	97	5	5	1	-	10	10	220	1011.5	+2	WNW	3	C	62	85	7	5	3	-	7-8	9	1500	1	1	cmoc	cmoc	cmoc	cmoc	cmoc		
	The Lizard ...	1012.4	-4	WSW	3	df	59	97	3	5	5	-	10	10	800	1012.7	+4	W	4	C	59	85	8	8	-	-	2-3	2-3	1500	0	2	dfdfc	dfdfc	dfdfc	dfdfc	dfdfc		
	Scilly (St. Mary's) ...	1012.8	-2	NW	5	C	C2	97	7	5	1	-	9+	9+	800	1013.8	+8	NW	1	C	60	92	8	8	6	-	4-6	7-8	1500	1	3	dfdfc	dfdfc	dfdfc	dfdfc	dfdfc		
	Guernsey ...	1013.2	-4	SW	4	rr	57	97	6	8	-	-	10	10	806	1012.2	-16	SSW	3	df	59	92	1	-	-	-	10	10	1500	1	3	or	or	or	or	or		
6	Pembroke ...	1010.5	-6	NW																																		

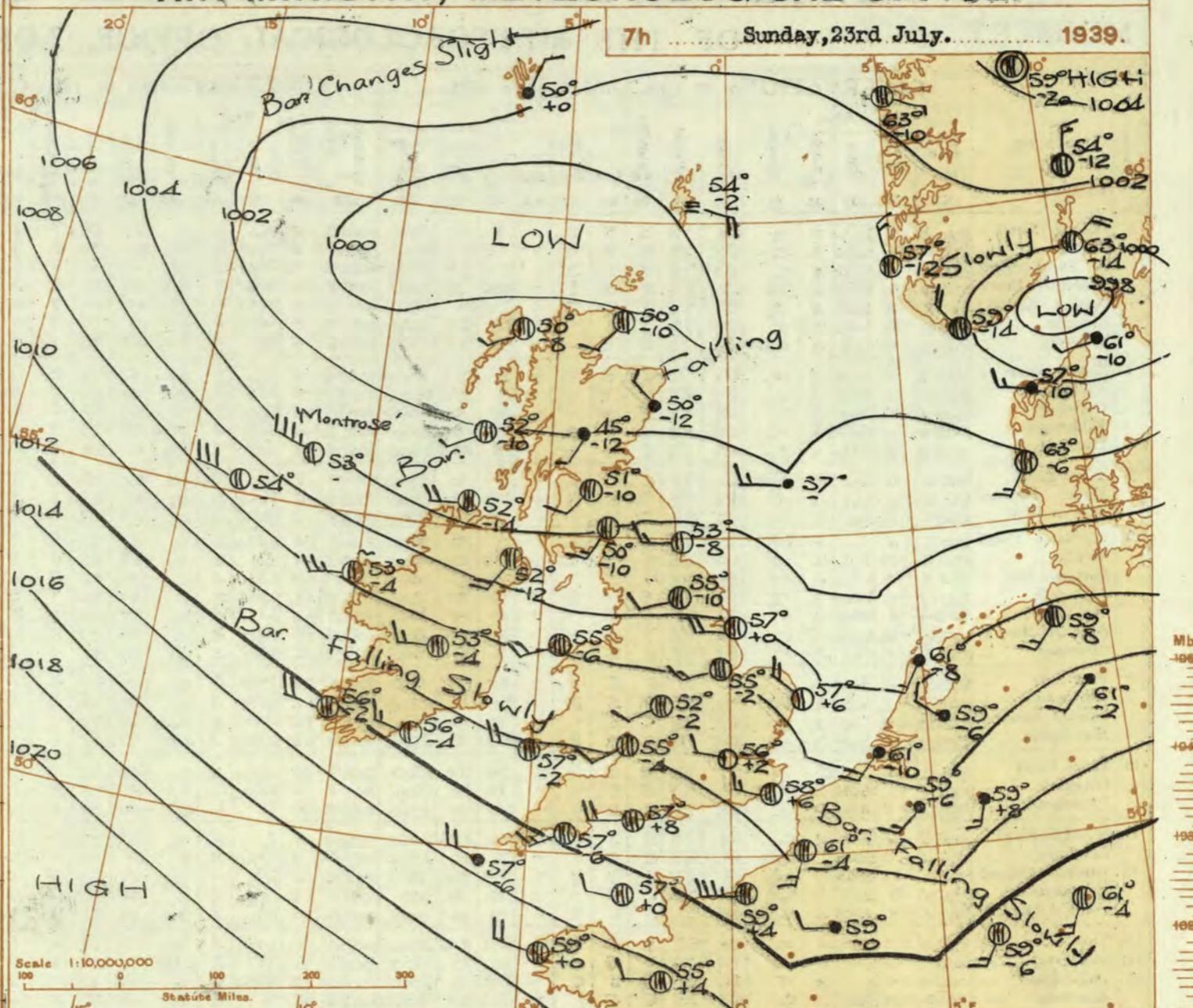
REPORTS from HEALTH RESORTS for 22nd July 1939.

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)	
		Morn.	Afternoon.	Min. 9h. 21st.	Max. 9h. 21st.	Night 9h. 21st.	Day 9h. 21st.	Sunrise to 22nd.	Sunrise to 22nd.
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	oc od dg bcc dc	opoc 170 cold oro cold	56 53 57 58 58	67 63 63 64 64	— 2 0.3 0.2 0.3	Trace 0.5 2.1 2.5 2.5	1.3 0.9 2.0 2.1 1.9	3.4 0.0 0.4 0.1 1.9
	Littlehampton Worthing ... Brighton ... Eastbourne†... Hastings†	bcc pb bcc bcc dc	crec bcc bcc bcc bcc	58 58 58 58 58	65 67 65 65 67	3 7 10 Trace 2	Trace Trace Trace — —	2.2 3.3 2.3 4.2 2.1	2.6 2.2 1.6 3.8 5.0
	Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	o opac corbc corbc bccpbc	opoc 59 59 59 58	58 66 66 67 68	66 63 69 67 68	1 0.5 — 1 —	2 2 2 2.6 3.0	2.7 2.6 3.3 2.6 3.0	12.2 11.5 11.8 11.8 11.2
2	Southend ... Clacton-on-Sea Dovercourt ...	omoc omc rocbc	opoc cbg rocbc	58 57 55	70 69 70	Trace — Trace	Trace — 3.7	1.1 2.7 3.7	3.4 2.8 4.3
	Lowestoft ... Skegness ... Mablethorpe ... Cleethorpes ...	cmoor obcco ozoo bcc	ocirc cbco rbcc rbcc	55 53 50 55	68 70 70 69	Trace — — Trace	1 2.5 1.3 1.0	0.3 3.9 4.3 1.3	6.3 3.9 4.3 1.3
3	Leamington S. Cheltenham†	oc c	op cpocp	55 55	68 66	Trace 0.3	Trace 0.1	0.2 1.8	0.7 1.8
5	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth ...	cpo c cbcap or orarc	cpo ir cr orbc odgo	57 57 58 57 56	64 62 63 65 66	Trace 1 — 0.2 1	Trace 0.2 1.8 1.2 2.2	0.0 0.1 0.2 0.6 3.4	0.9 0.1 0.2 0.6 3.4
	Penzance ... St. Ives ... Bude ... Ilfracombe ...	rmid pr mor orro	cbcbi c mrc rrco	57 54 57 57	65 64 62 62	2 1 2 2	Trace 1 7 3	1.1 0.4 0.0 0.1	4.2 0.5 0.9 0.0
6	Aberystwyth ... Llandudno ... Colwyn Bay ... Rhyl ...	oprrr rrr rrrr otcr	rrprc rdrc rrpr erod	56 57 57 57	62 64 61 63	1 1 4 3	6 5 0.0 0.0	0.0 0.0 8.6 9.4	1.0 8.6 8.9 9.0
7	Wallasey ... Southport ... Blackpool ... Morecambe ...	cor orr cpo cp	rpo orr poo 63	58 56 58 59	63 64 61 68	— — 1 Trace	2 3 0.0 0.3	0.0 0.0 0.0 0.0	7.4 6.6 6.8 7.0
9	Ilkley ... Harrogate ...	od,o c	opcr cpr	55 55	65 63	— —	0.6 Trace	0.0 0.1	3.9 1.6
10	Berwick-on-T.	oro	rc	53	64	—	Trace	0.4	4.8
11	Dunbar ...	cmo	cpr	55	63	0.5	2	0.8	6.2
12	Treton ... Douglas ...	rrcr x	rrcp *	53 54	61 59	1 2	2 Trace	0.0 1.3	4.5 6.2

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-2h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday, 23rd July. 1939.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd July, 1939.

1 S.E. England	
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Wind west to northwest, moderate increasing to fresh; strong later on west coasts; bright intervals; occasional showers; local thunderstorms; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Wind west to northwest moderate to fresh, strong later on west coasts; cloudy, local showers; rather cool.
13 { A. W. Scotland B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	Wind east to northeast, light to moderate; cloudy; rain or drizzle; fog patches; mild and close.
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, WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A depression centred between Scotland and the Faeroes will move southeast to the North Sea. Weather will be showery in all districts. Local thunderstorms will probably develop in southern areas to-day.

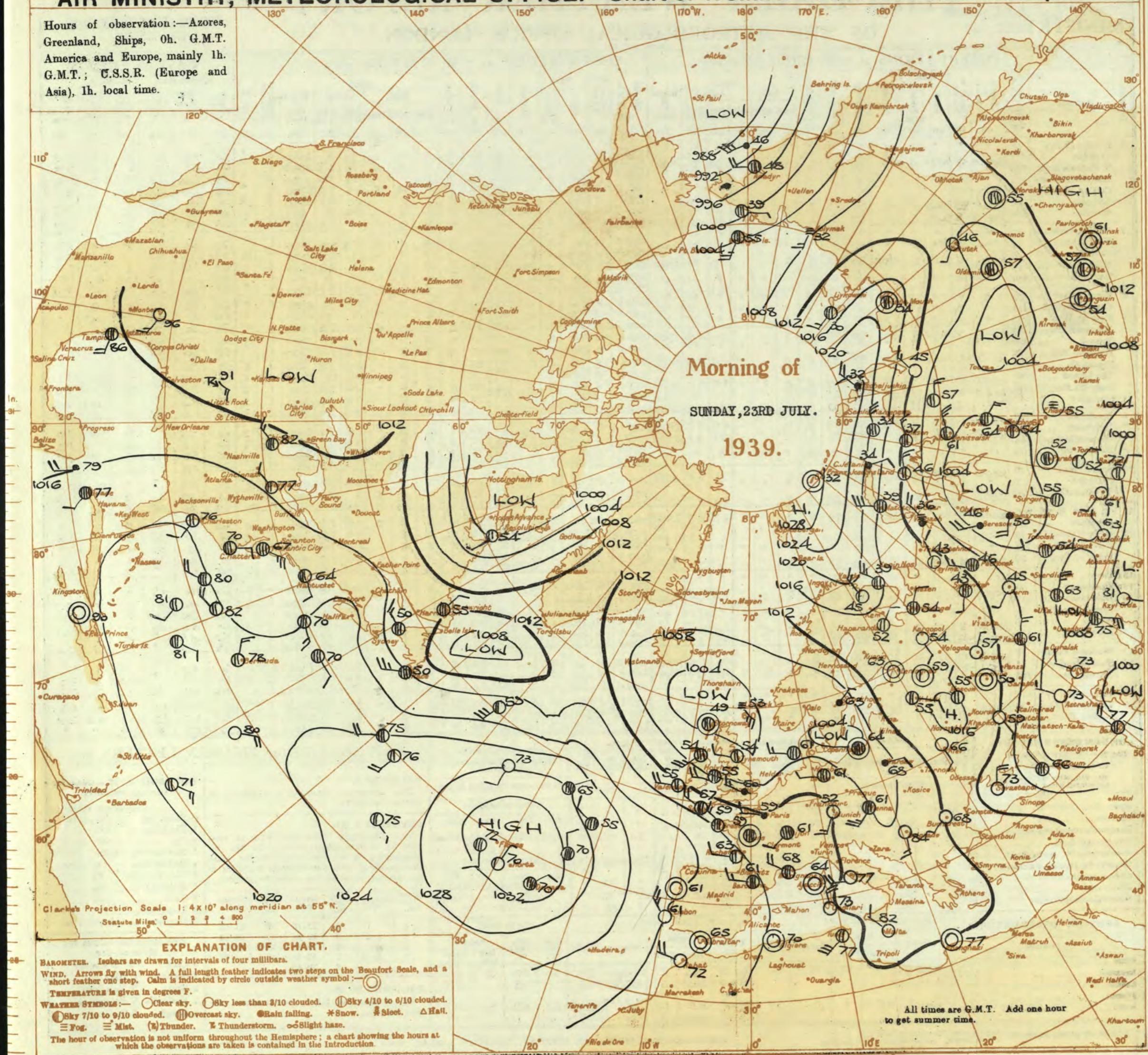
FURTHER OUTLOOK.

Unsettled and showery.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores,
Greenland, Ships, Oh. G.M.T.
America and Europe, mainly 1h.
G.M.T.; C.S.S.R. (Europe and
Asia), 1h. local time.



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 23rd July, 1939.
No. 28367

District.	Stations.	Observations at 1 hr. G.M.T. 23rd July.....												Observations at 7 hr. G.M.T. 23rd July.....												Past 24 Hours.													
		Wind.			Weather.			Cloud.			Wind.			Weather.			Cloud.			Temperature.			Rainfall.			Sun-shine 22nd Hrs.													
		Barom. mb.	M.S.L. (1)	Change in 3 hours. (2)	Wind. Dir. (3)	Force. 0-12 (4)	Weather. Temp. °F. (5)	Humid. % (6)	Visibility. 0-9 (8)	Form. Low (9)	Amount. Med. (10)	Height of Base. (feet) (11)	Total 0-10 (12)	Barom. mb.	M.S.L. (15)	Change in 3 hours. (16)	Wind. Dir. (17)	Force. 0-12 (18)	Weather. Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Form. Low (23)	Amount. Med. (24)	Height of Base. (feet) (25)	Total 0-10 (26)	Sea. 0-9 (27)	Max. Day 7h-18h °F. (28)	Min. Night 18h-7h °F. (29)	Min. on Grass °F. (30)	Day 7h-18h mm. (31)	Night 18h-7h mm. (32)	Sea Disturbances (33)	7h-18h mm. (34)	18h-7h mm. (35)	Sun-shine 22nd Hrs. (36)				
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1009.6	+2	W's	2	C	56	85	8	5	3	2	1	9	2500	1	*	65	55	50	1/	1/	1/	0.3			
	Croydon ...	217	1007.0	0	WNW	3	dd	60	97	C	5	-	10	10	2500	*	1009.8	+2	W'N	2	C	56	85	8	5	1	4	6	7-8	2500	1	*	66	53	51	1/	2	0.6	
	S. Farnborough ...	226												1005.7	0	SW'W	3	C	55	85	7	5	-	3	8	9+	5700	1	*	65	50	46	1/	3	1.2				
	Boscombe Down ...	417												1010.3	+2	L	3	C	54	92	7	5	1	3	8	4-6	7-8	5700	1	*	62	48	45	0.5	5	0.7			
	Calshot (Sthmn.) ...	8												1010.4	0	W'S	3	C	57	85	8	5	-	2	9+	2500	1	*	66	51	43	1/	1	2.0					
	Lympne ...	346	1008.8	+10	WSW	3	pr	53	97	2	-	10	10	1500		1009.7	+6	WNW	3	Zo	58	85	5	5	3	-	7-8	9	800	1	*	67	56	55	1/	1	2.3		
	Manston ...	154	1008.9	-8	SW'S	3	1/6	58	97	6	5	2	-	10	10	7200		1008.7	+6	WWW	4	bc	58	75	6	5	3	-	1	2.3	1500	1	*	68	57	55	1/	1	1.7
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1008.9	+4	L	3	dc	60	75	8	8	4	2	1	4-6	1500	1	*	70	56	53	Tr	0.4	2.3				
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	1008.6	+4	WNW	4	dc	53	75	7	5	1	4	6	1	2-3	4000	0	2	72	55	53	0.2	4.6				
	Gorleston ...	5	1007.1	-6	SW'S	2	c/pr	53	92	7	6	-	-	10	10	1500		1008.0	0	W'S	4	bc	57	85	7	5	3	-	1	2.3	2500	1	*	67	54	53	1/	6	0.8
	Mildenhall ...	19												1007.4	-2	WW	3	C	55	85	7	5	1	8	2-3	9+	2500	1	*	67	49	47	0.3	0.1	1.2				
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1008.7	-2	SW	2	C	52	92	7	5	7	-	7-8	9+	2500	1	*	64	50	48	Tr	2	6.2				
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	1008.6	-2	WSW	3	C	53	85	7	5	-	6	2-3	7-8	2500	1	*	64	47	39	Tr	0.3	*				
5	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1009.2	-4	SW	2	C	55	85	6	7	-	6	2-3	7-8	2500	1	*	63	50	46	0.1	-	0.1				
6	Hartland Point ...	299	1011.8	-2	NW	4	bc	58	75	8	5	-	-	4-6	4-6	1500		1010.5	-6	L	4	cc	57	75	8	8	-	9+	9+	1500	1	3	60	55	52	7	-	0.2	
	Bristol ...	209												1010.4	0	WNW	4	C	55	85	8	7	7	-	1	4-6	7-8	2500	1	*	64	50	42	1	-	0.0			
	Portland Bill ...	32	1011.3	+6	WNW	3	bc	58	85	8	5	-	-	4-6	4-6	1000		1011.3	+8	L	4	C	57	85	8	5	4	-	4-6	7-8	4000	1	3	59	56	*	3	-	
	Plymouth ...	82												1011.9	-6	WSW	3	C	57	75	8	5	-	5	-	5+	9+	7200	1	1	64	55	53	7	Tr	1.1			
	The Lizard ...	240	1013.7	+6	W	3	C	56	92	8	8	2	-	7-8	9+	1500		1013.0	-4	WSW	3	C	56	85	8	6	-	4-6	7-8	1500	1	2	61	54	*	3	2.8		
	Scilly (St.Mary'a) ...	163	1014.8	-2	NWN	1	C	57	85	8	5	-	-	10	10	2500		1013.2	-6	W'S	4	pr	57	92	8	6	-	7-8	9+	1500	1	2	63	54	*	0.1	3.0		
	Guernsey ...	175	1013.1	-2	WNW	4	bc	56	92	8	5	1	-	2-3	4-6	2500		1012.9	0	W'N	2	C	57	92	8	3	-	7-8	9+	800	1	3	59	52	44	1/	0.6		
7	Pembroke ...	142	1011.8	0	NW	1	bc	56	85	8	8	3	-	-	4-6	4-6	2500		1010.1	-2	WNW	4	cc	57	92	7	8	2	-	7-8	9+	2500	1	2	61	55	*	4	1.0
8	Holyhead ...	26	1008.9	-6	WS	4	C	55	75	8	5	-	-	9+	9+	4000		1007.3	-6	WSW	4	C	55	75	7	3	-	7-8	9	1500	1	2	60	53	52	4	1.2		
	Chester(Sealand) ...	16	</td																																				

Page 1.
**AIR
MINISTRY.**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 24th July, 1939.
No. 28368

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

- 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 220-100 yds.
- F, thick fog,, less than 220 yds.
- f₄, low fog over sea (coast station).
- fg, low fog over land (inland station).
- m, mist, visibility 1100-2200 yds.
- h, hail. i, intermittent.
- jf, fog at a distance, but not at station.
- jp, precipitation within sight of station.

ks, storm of drifting snow.
 k/s_o, slight storm of drifting snow
 (generally low).
 k/S, heavy storm of drifting snow
 (generally low).
 s_a/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.

NOTE—*The accuracy of individual*

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

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 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- No medium clouds.
 Typical As (thin).
 Typical As (thick) (sun or moon invisible), or
 Nimbostratus (Ns).
 Single layer of Ac or high Sc.
 Ac in isolated patches. Individually de-
 creasing (often lenticular).
 Ac in bands (increasing).
 Ac formed from the spreading out of Cu.
 Ac associated with As or As with parts
 resembling Ac.
 Ac Castellatus (or Ac in ragged fragments).
 Ac in several layers generally associated with
 fibrous veils and a chaotic appearance

COLUMNS 11, 25.—FORM OF CIRRUS
CLOUD.

- No cirriform cloud.
 Fine Ci not increasing : sparse.
 Fine Ci not increasing : abundant but not a continuous layer.
 Anvil Ci (usually dense).
 Fine Ci increasing : usually in tufts.
 Ci or Cs increasing : still below 45° altitude : often in polar bands.
 Ci or Cs increasing and reaching above 45° altitude : often in polar bands.
 Veil of Cs covering whole sky.
 Cs not increasing and not covering whole sky.
 Cc predominating, and a little cirrus.
 c may occur with any of the types 1 to 8.

Cloud form abbreviations :—

COLUMN 29.—STATE OF GROUND.

- 7 . . Ground covered with snow, less than 6 ins., deep but ground not frozen.
 8 . . , covered with snow, less than 6 ins., but ground frozen.
 d dry.
 with snow or hail. 9 . . covered with snow greater than 6 ins. deep.
 e or glazed frost. - . . Fresh snow has fallen in the mountains.
 hawing snow.

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.

No disturbance reported from Dunkness.

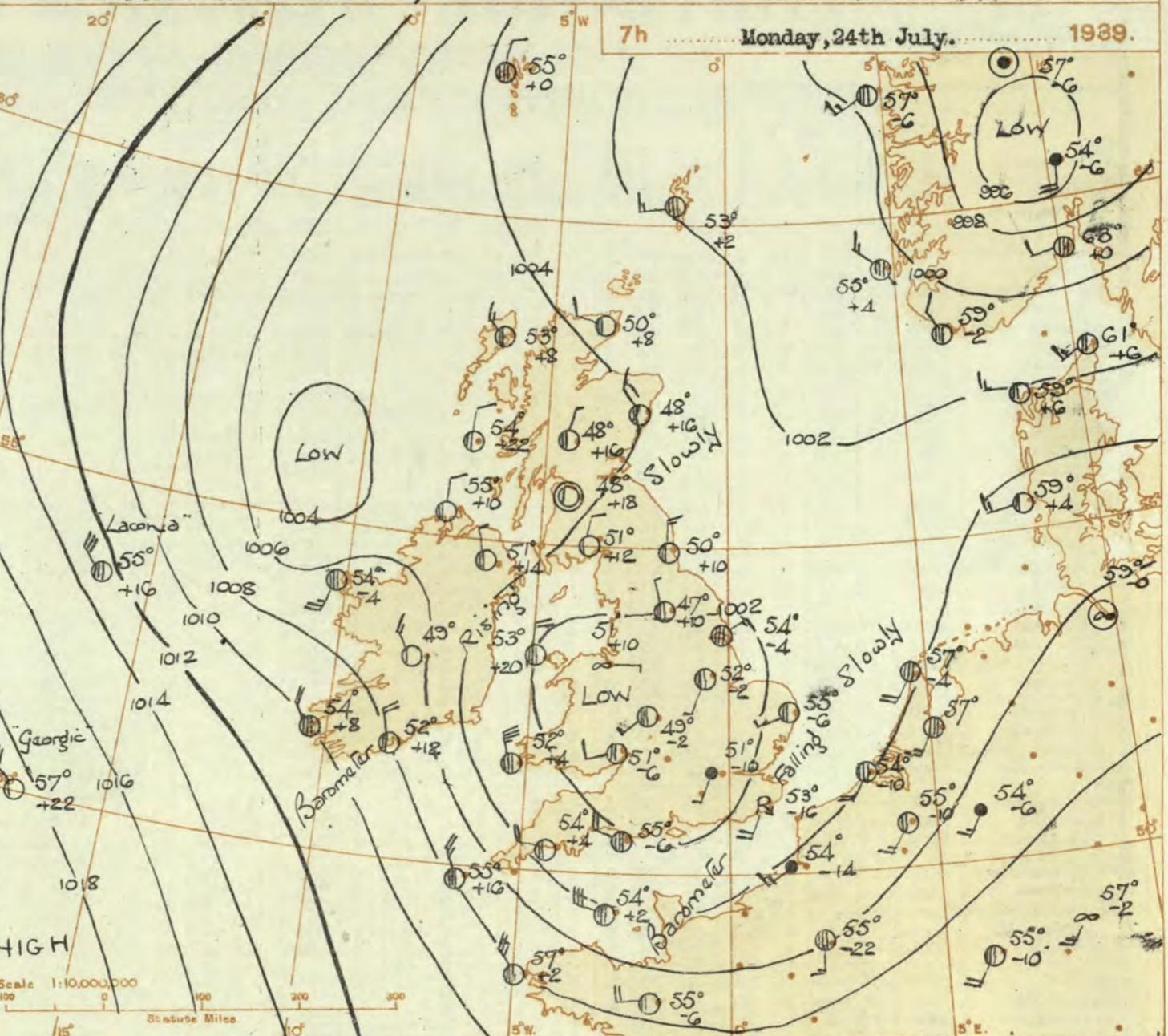
REPORTS from HEALTH RESORTS for 23rd July 1939										
Districts.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)		
		Forenoon.	Afternoon.	Min.	Max.	Night. 9h. 22nd to 9h. 23rd	Day. 9h. 22nd to 9h. 23rd	Sunrise to 23rd	Sunset to 22nd	
1	Tunbridge W. Bournemouth Ventnor ... Southsea ... Bognor Regis	obc c pcobc cbc cir	bccod bcc bccbc cr. cbc bccd ord cir	55 52 57 54 53	65 66 63 65 64	1 — Trace — 0.3	— — — 1 —	4.2 3.2 5.3 2.3 3.5	1.3 0.9 2.0 2.1 2.5	
	Littlehampton Worthing ... Brighton ... Eastbourne† ... Hastings† ...	bccbc c cbc bcc cbc	bccbc cr. bcc bcc co	54 54 55 57 57	64 65 64 64 65	0.2 0.3 4 1 1	Trace Trace Trace — —	3.9 3.4 3.4 5.6 4.6	2.2 3.3 2.3 4.2 2.1	
	Folkestone ... Dover ... Deal ... Ramsgate ... Margate ...	c orobc c c cbc	c bcc coc c c	57 58 57 58 58	69 65 66 66 65	1 0.5 1 3 3	— — — — —	3.9 2.7 2.3 2.2 2.3	2.9 3.4 3.3 4.4 4.8	
2	Southend ... Clacton-on-Sea Dovercourt ...	co bcc rocp	oco c bc	56 55 55	68 65 63	0.3 Trace Trace	— — —	3.3 2.7 3.6	1.3 3.4 4.2	
	Lowestoft ... Skegness ... Mablethorpe ... Cleethorpes ...	bbcc ocbc obcc bc	c cbc bccy bc	53 49 48 50	66 65 65 65	— 0.5 0.5 0.3	— — — —	5.1 2.2 2.1 4.7	0.6 2.5 1.3 1.0	
3	Leamington S. Cheltenham†	co c	cbc bcp	50 50	64 65	1 1	— Trace	3.2 3.0	0.2 0.1	
4										
5	Bath ... Weymouth ... Jersey ... Torquay ... Falmouth	cbcc bcc pcbc wcp b	bccbc bcc cbc bccy c	52 55 57 54 54	65 63 62 63 64	1 3 1 0.4 —	— — — — —	4.8 3.2 3.3 1.4 3.7	0.0 0.9 2.5 1.4 3.7	
	Penzance ... St. Ives ... Bude ... Ilfracombe	cbcc c p.cbc oco	bccbc c cbc cbc	55 54 56 56	66 63 61 62	— — 0.2 —	— — — —	4.6 3.8 3.5 4.8	3.4 3.0 0.0 0.1	
6	Aberystwyth	cbcc	bcc	56	61	—	—	7.1	0.1	
7	Llandudno ... Colwyn Bay ... Rhyl ...	pcbcr pbccp crbc	rbc bcc r.cbc	54 53 54	61 63 64	0.2 Trace 0.2	1 0.3 0.2	7.4 5.7 5.6	0.0 0.0 0.0	
8	Wallasey ... Southport ... Blackpool ... Morecambe	cirbc c dcpc cpbc	bc cprc bccbc bccpbc	55 54 55 55	63 63 61 68	— — — 0.3	0.5 0.2 Trace 1	6.6 8.0 9.1 6.8	0.0 0.0 0.3 0.5	
9	Ilkley ... Harrogate ...	bcp cbc	bcp bcc	48 47	63 62	*	0.2	6.3	0.0	
10	Berwick-on-T.	bcp	tpoc	45	60	..	2	6.8	0.4	
11	Dunbar ...	bc	cprh	47	59	Trace	5	6.8	1.7	
12	Troon ... Douglas	cocr b	bcpc bp	50 50	57 58	Trace 0.3	3.8 9.4	0.0 2.9	0.0 0.9	

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th July, 1939.
1 S.E. England	Moderate northwest to west wind, backing southwest later; bright intervals, showers; local thunderstorms; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh northwest to west wind, strong locally on coasts, backing southwest temporarily; bright intervals; showers; local thunderstorms; cool.
6 South Wales ...	
7 North Wales ...	Light or moderate variable wind, becoming north moderate later; bright intervals, showers, local thunderstorms; cool.
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. B. N. W. Scotland.	Moderate northwest to north wind; bright intervals, local thundery showers; local coast fog; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Fresh west wind, veering northwest; strong locally on coasts; bright intervals, showers, local thunderstorms; cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND, WEATHER SYMBOLS. For explanation see opposite page.

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 Midlands is moving southeast and there are indications of another off Northwest Ireland also moving southeast. There will be showers in most districts with local thunderstorms.

FURTHER OUTLOOK.

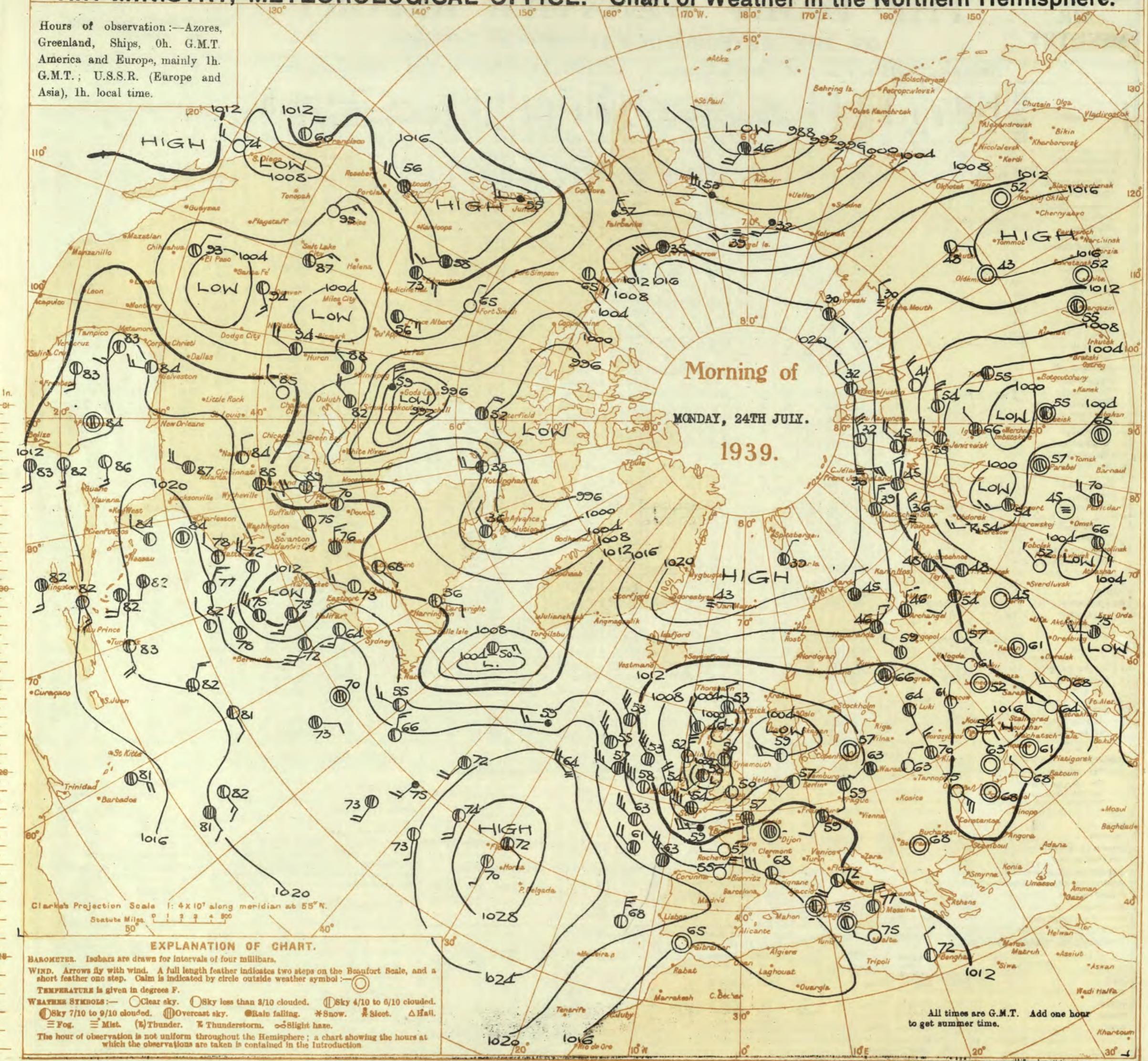
Unsettled and cool.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 24th July, 1939.
No. 28368

Disturb.	STATION.	Height above M.S.L. in feet.	Barom. mb.	OBSERVATIONS at 1 hr. G.M.T. 24th July, 1939.								OBSERVATIONS at 7 hr. G.M.T. 24th July, 1939.								PAST 24 HOURS.														
				Wind.				Cloud.				Wind.				Cloud.				Temperature.				Rainfall.										
				Dir.	Force.	Weather.	Temp. °F.	%	Humid.	0-9 Visibility.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Weather.	Temp. °F.	%	Humid.	0-9 Visibility.	Low.	Med.	High.	Low.	Total 0-10	0-10	State of Ground.	Sea-0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.	Sum. 2nd Hrs.
1	London (Kew) ...	18	* * * * *	*	50	b <u>c</u>	53	85	8	5	-	2+	1500	1001.5 -12 SW	2	pr	55	85	6	5	1	-	7-8	9+	1500	1	*	65	51	42	-	0.2	4.1	
	Croydon ...	217	1005.6 -14	s *	2	b <u>c</u>	50	82	8	5	-	2-3	4000	1002.6 -10 SW	1	pr	51	92	7	7	-	46	57	1400	1	*	64	45	46	-	5	4.4		
	S. Farnborough ...	236												1001.1 -4	0	q/pr	51	85	7	-	9+	31	4000	1	*	65	40	42	Tr	1	38			
	Boscombe Down ...	417												1001.4 -6	W's	3	bc	51	92	8	4	3	2-3	16	1500	1	*	62	48	43	-	2	4.6	
	Calshot (Sthmt.) ...	8												1001.6 -6	W's	3	c	53	85	8	7	5	2-3	10	1500	1	2	CA	50	48	-	3	2.6	
	Lympne ...	346	1006.7 -14	W'N	3	PR	53	85	8	5	-	3+	1500	1002.9 +16 SW	1	t/r	53	85	7	8	-	9+	97	1500	1	\$3	65	47	43	+	1	35		
	Manston ...	154	1005.6 -14	SSW	2	bc	53	92	8	5	-	4-6	5700	1002.8 -10 SW	2	c	56	85	7	7	-	46	9+	4000	1	*	65	51	46	-	0.2	2.6		
2	Shoeburyness ...	11	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	67	52	42	-	0.2	3.9	
	Felixstowe ...	15	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	66	52	45	-	2	3.3		
	Gorleston ...	5	1004.1 -10	Slow	3	b <u>c</u>	52	85	7	5	-	1	1	2500	1002.8 -6 SW	1	bc	52	85	6	7	6	2-3	46	2500	0	*	64	46	44	-	Tr	3.3	
	Mildenhall ...	19												1001.9 -6 S	1	c	52	85	7	5	3	-	7-8	9+	4000	1	*	65	45	41	-	Tr	4.9	
	Cranwell ...	240	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
3	Birmingham ...	535	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	47	45	-	3	5.2	
	Upper Heyford ...	408	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	64	47	43	0.2	2	*	
4	Ross-on-Wye	223	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	47	43	2	3	3.4	
5	Hartland Point ...	299	1002.9 -26	NW	6	c/r	55	85	8	8	-	7-8	7-8	1500	1003.0 +8 NNW	6	c	53	75	8	9	-	7-8	7-8	1500	1	4	60	50	50	Tr	0.5	5.3	
	Bristol ...	209	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	48	45	-	7	7.2	
	Portland Bill ...	32	1004.2 -28	W	4	c	58	92	8	5	-	7-8	7-8	4000	1002.5 -6 WNW	4	c	51	85	8	8	7	-	46	7-8	1500	1	4	60	54	*	-	S	*
	Plymouth ...	82												1004.1 +4 WNW	4	bc	54	75	8	8	2	-	1	7-8	9	4000	1	1	63	52	48	Tr	1.5	
	The Lizard ...	240	1006.5 -16	WSW	5	b <u>c</u>	55	85	8	3	-	4-6	4-6	2500	1006.9 +20 W'N	6	bc	54	75	8	6	3	-	16	4-6	2500	0	3	61	50	*	Tr	1	5.1
	Scilly (St. Mary'a) ...	163	1006.7 -18	WNW	5	b <u>c</u>	54	85	8	3	-	4-6	4-6	1500	1008.5 +16 NW	5	c	55	85	8	2	6	3	23	7-8	2500	1	4	63	53	0.2	9.5	6.2	
	Guernsey ...	175	1006.6 -36	b <u>c</u>	4	c	56	92	7	5	-	7-8	7-8	2500	1001.6 +2 W'N	6	c	54	75	7	6	4	1	23	7-8	800	1	4	61	51	49	Tr	2.9	
6	Pembroke ...	142	1002.3 -14	NW	6	b <u>c</u>	53	75	8	8	-	4-6	4-6	1500	1003.6 +4 NW	7	c/r	52	75	8	8	6	-	7-8	34	1500	1	3	59	50	*	-	0.4	5.1
7	Holyhead ...	26	1002.1 -18	SW'S	1	c	50	85	8	8	-	7-8	7-8	1500	1001.1 +20 N	4	c/pr	53	75	8	9	3	-	9	9	1500	1	3	61	49	45	Tr	2	7.4
	Chester (Sealand) ...	16												1001.1 +10 E	1	z	51	85	6	8	7	3	2-3	7-8	1500	1	*	63	46	42	1	2	8.4	
	Manchester ...	70	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	62	49	47	0.2	1	4.4		
10	Spurn Head ...	29	1003.0 -4	SSW	2	b	51	85	7	-	4	-	0	!	-	1001.7 -4 ENE	3	c/pr	51	75	6	6	3	-	46	9+	1500	0	1	66	52	*	Tr	2.9
	Catterick ...	175	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	40	37	Tr	1.9</td			

REPORTS from HEALTH RESORTS for 24th July 1939.										
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)		
		Forenoon.	Afternoon.	Min. 9h-23rd	Max. 9h-24th	Night. 10h-17h	17h-23rd	Day. 18h-17h	Sunrise to 24th	Sunrise to 24th
1 Tunbridge W.	cot	phico	46	60	2	trace	10	4-2	3-2	
Bournemouth	bc	btrh	50	60	3	12	6-9			
Ventnor	pbc	ortc	53	61	1	1	7-3	5-3		
Southsea	cbc	cptc	52	61	2	0-4	5-5	2-5		
Bognor Regis	bc	cblr	51	61	2	3	5-4	3-5		
Littlehampton	bccp	phchtr	52	61	1	4	4-7	3-3		
Worthing	bc	ctlr	52	60	4	4	4-1	3-4		
Brighton	cbc	bctr	52	61	1	2	2-6	3-4		
Eastbourne†	cpc	pbct	52	63	1	2	3-2	5-6		
Hastings†	cvbcc	pabp	51	61	5	0-3	2-3	4-6		
Folkestone	c	ctlp	50	64	4	2	4-1	3-3		
Dover	orcbc	bccpd	53	63	4	trace	4-7	2-7		
Deal	oirco	ctrcc	51	62	trace	19	1-6	2-3		
Ramsgate	rctlr	rc	53	61	trace	6	1-5	2-2		
Margate	crebc	ctrbc	51	61	0-3	5	2-7	2-3		
2 Southend	cbcc	core	52	*	trace	0-5	2-2	3-5		
Clacton-on-Sea	pcbc	bcc	53	62	1	-	3-8	2-7		
Dovercourt	octrac	bc	49	64	3	-	3-4	3-6		
Lowestoft	bbccr	cjcr	48	61	trace	2	3-1	5-3		
Skegness	bc	pc	50	62	-	-	5-2	2-5		
Mablethorpe	bccbc	bcc	46	62	-	-	5-6	2-2		
Cleethorpes	tlr	bc	44	61	1	13	5-0	5-2		
3 Leamington S.	co	cpbc	48	63	1	0-4	4-0	4-7		
4 Cheltenham†	cbc	cpbc	47	62	7	trace	4-6	5-1		
5 Bath	cbc	bctr	50	62	4	2	5-6	7-4		
Weymouth	bcpc	Ptihrd	52	62	2	10	4-8	3-4		
Jersey	rcbc	bcpc	52	60	8	1	6-7	3-3		
Torquay	crpa	cpdcwy	51	60	0-5	2	7-3	1-4		
Falmouth	crvhq	b	51	62	4	1	10-7	3-7		
Penzance	bc	bcpb	51	63	2	trace	10-7	4-6		
St. Ives	b	b	53	61	1	-	10-1	3-8		
Bude	bcpc	cbc	51	59	4	-	4-0	3-5		
Ilfracombe	corou	rrcbc	52	61	1	4	1-9	6-1		
6 Aberystwyth	prabc	prbc	49	60	7	3	4-2	7-3		
7 Llandudno	cbc	b	47	61	3	-	6-6	8-8		
Colwyn Bay	cbcc	bcb	47	61	3	-	8-0	9-7		
Rhyl	cgb	cbcb	46	62	2	-	6-8	7-2		
8 Wallasey	rebc	bcpbc	45	62	1	1	4-9	8-5		
Southport	cbcb	tlrbc	48	67	15	trace	7-0	10-0		
Blackpool	c	bccpc	48	64	7	0-3	5-6	11-3		
Morecambe	cbc	batir	50	63	8	3	2-5	8-7		
9 Ilkley	bco	ortbc	46	62	1	5	3-7	8-4		
Harrogate	cbcc	thrb	46	60	2	3	2-5	8-1		
10 Berwick-on-T.	b	b	40	58	-	-	12-4	8-7		
11 Dunbar	bc	bc	41	60	0-5	-	11-0	7-9		
12 Troon	bcc	bccb	43	62	-	-	12-1	3-8		
Douglas	b	b	48	61	8	-	10-4	9-4		

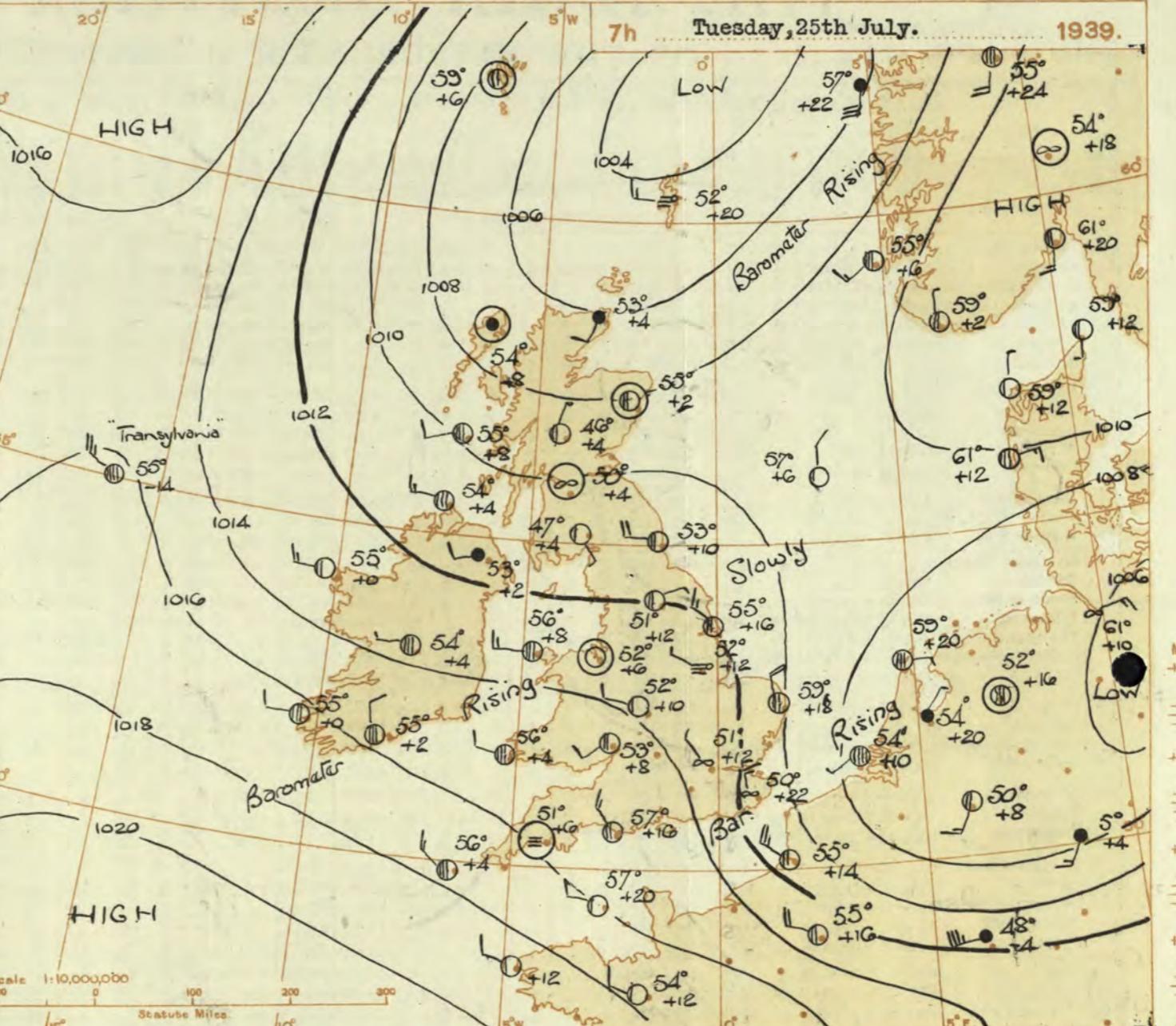
* Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-3h.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th July, 1939.

- | | |
|--|--|
| 1 S.E. England | Light to moderate west to northwest wind, backing southwest tomorrow; fair; average temperature. |
| 2 E. England | |
| 3 E. Midlands | |
| 4 W. Midlands | |
| 5 S.W. England | Moderate west to northwest wind, backing southwest and freshening tomorrow; mainly fair today, rain or drizzle tomorrow with local coast fog; average temperature. |
| 6 South Wales | |
| 7 North Wales | |
| 8 N.W. England | |
| 9 N. Midlands | |
| 10 N.E. England | |
| 11 S.E. Scotland | Moderate west to northwest wind, backing southwest to south and freshening tomorrow; occasional rain locally today but also bright intervals; general rain tomorrow; cool. |
| 12 S.W. Scotland & Isle of Man | |
| 13 { A. W. Scotland
B. N. W. Scotland | |
| 14 Mid Scotland | |
| 15 N. E. Scotland | |
| 16 Orkney and Shetland | |
| 17 N. W. Ireland | Moderate west to northwest wind backing south and freshening tomorrow; bright intervals and local showers today, rain tomorrow; average temperature. |
| 18 N. E. Ireland | |
| 19 S. E. Ireland | |
| 20 S. W. Ireland | |

H.M.S.O. Press, Cornwall House, S.E.1.

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A depression centred near Shetland is filling up and an associated trough of low pressure over Northwest districts is moving slowly east-southeast. Weather will be mainly fair in the South and East. There will be local rain in the North and West today and more general rain tomorrow.

FURTHER OUTLOOK.

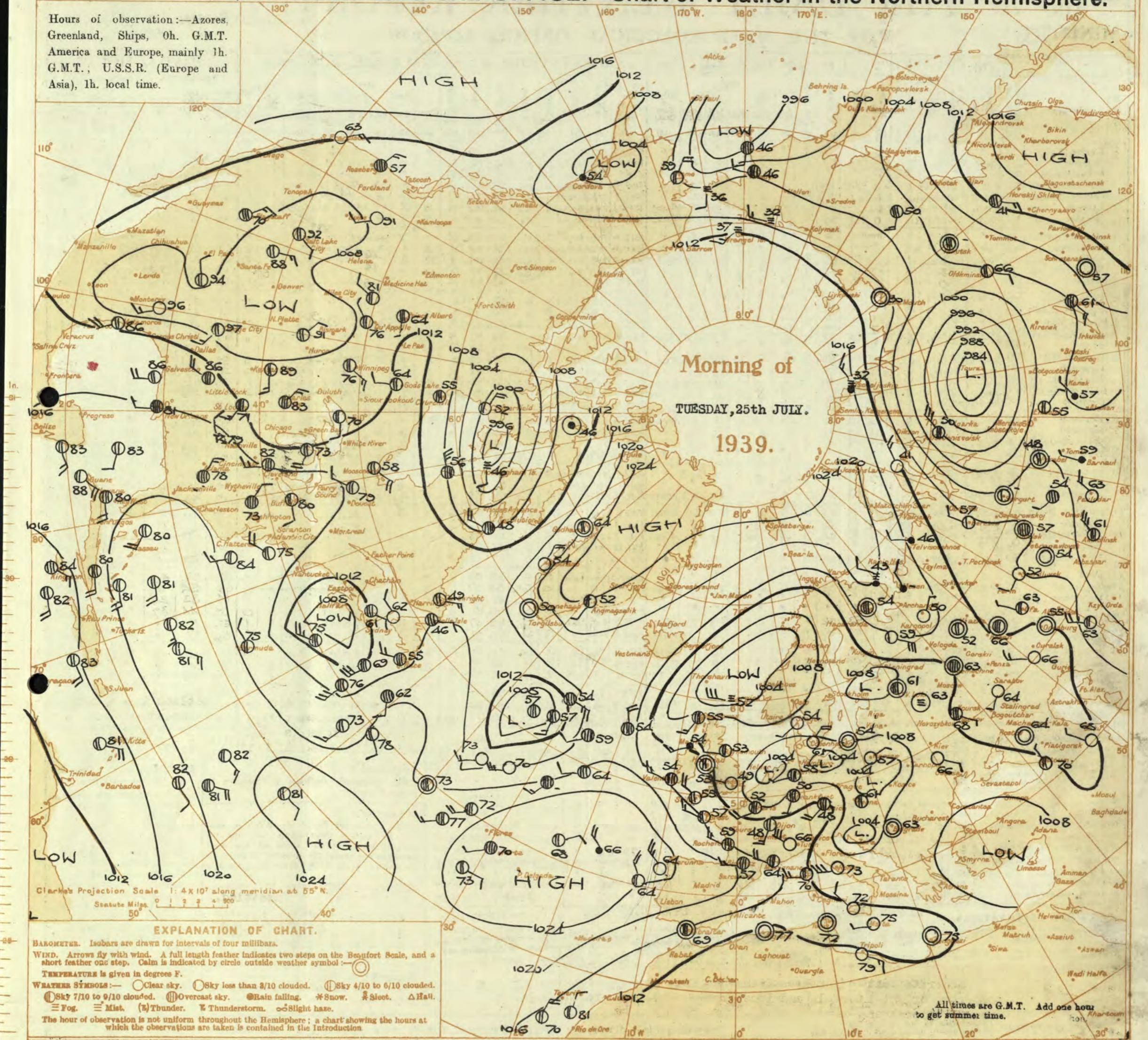
Unsettled.

L.D. Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T., U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

FOREIGN OBSERVATIONS.		Past 24 hours.							0	1	4	13-18	9	47-54	COLUMN 30.—Code for State of Sea.		
STATIONS.	Barom. mb.	Wind.		Temp. °F.	Barom. mb.	Wind.		Temp. °F.	Max. Day °F.	Min. Night °F.	Rainfall.		0 1-3 2 3	5 19-24 6 32-38	10 11 12	55-63 64-75 75	
		Dir.	Force.			Dir.	Force.				Day mm.	Night mm.					
PARIS ...	1006.6	*	*	C	52	1012.3	WNW	4	bc	55	50	50	11	2			
BRUSSELS	1006.6	*	*														
BERLIN	1005.3	A	1	C	68	1004.2	NNW	3	roro	57	75	57	3	-			
ZURICH	1001.5	SE	3	C	48	1011.3	WSW	4	bc	75	* 68	*	-	-			
ROME ...	1011.7	WSW	4	bc	75	1011.3	WSW	4	bc	75	*	*	-	-			

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d.
2/6 per month; 6/6 per quarter; 25/- per year.

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.

† 1 hr. observations are from Valentia W/T Station

¹ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

Sea disturbance reported from Dungeness.

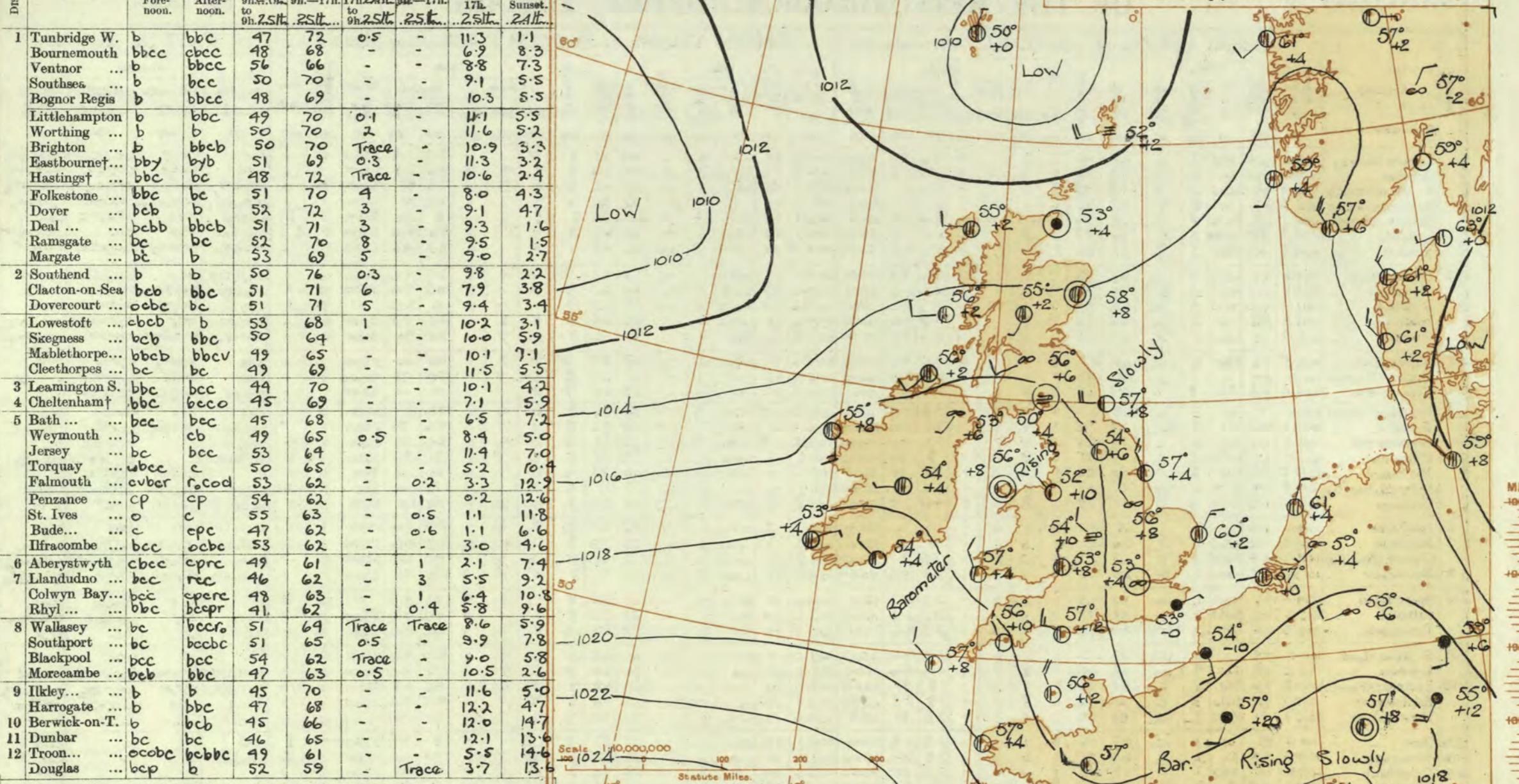
REPORTS from HEALTH RESORTS for 25th July 1939

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (IN.)		SUNSHINE. (Hrs.)		
		Forenoon.	Afternoon.	Min. 9h. 24th	Max. 9h. 25th	Night. 17h. 24th	Day. 9h. 25th	Sunrise to 17h. 25th	Sunrise to Sunset. 24th	
1 Tunbridge W.	b	bcc	47	72	0.5	-	11.3	1.1		
Bournemouth	bbcc	cbbc	48	68	-	-	6.9	8.3		
Ventnor	b	bcc	56	66	-	-	8.8	7.3		
Southsea	b	bcc	50	70	-	-	9.1	5.5		
Bognor Regis	b	bbcc	48	69	-	-	10.3	5.5		
Littlehampton	b	bcc	49	70	0.1	-	11.1	5.5		
Worthing	...	b	50	70	2	-	11.6	5.2		
Brighton	...	b	bbc	50	70	Trace	-	10.9	3.3	
Eastbourne†	bby	byb	51	69	0.3	-	11.3	3.2		
Hastings†	bbc	bc	48	72	Trace	-	10.6	2.4		
Folkestone	bbc	bc	51	70	4	-	8.0	4.3		
Dover	...	bcc	52	72	3	-	9.1	4.7		
Deal	...	bcbb	51	71	3	-	9.3	1.6		
Ramsgate	bc	bc	52	70	8	-	9.5	1.5		
Margate	...	bc	53	69	5	-	9.0	2.7		
2 Southend	...	b	50	76	0.3	-	9.8	2.2		
Claacton-on-Sea	bcb	bbc	51	71	6	-	7.9	3.8		
Dovercourt	ocbc	bc	51	71	5	-	9.4	3.4		
Lowestoft	cbbc	b	53	68	1	-	10.2	3.1	55°	
Skegness	bcb	bbc	50	64	-	-	10.0	5.9		
Mablethorpe	bbcb	bbcv	49	65	-	-	10.1	7.1		
Cleethorpes	bc	bc	49	69	-	-	11.5	5.5		
3 Leamington S.	bbc	bcc	44	70	-	-	10.1	4.2		
4 Cheltenham†	bbc	beco	45	69	-	-	7.1	5.9		
5 Bath	...	bcc	45	68	-	-	6.5	7.2		
Weymouth	...	b	49	65	0.5	-	8.4	5.0		
Jersey	...	bc	53	64	-	-	11.4	7.0		
Torquay	ubcc	c	50	65	-	-	5.2	10.4		
Falmouth	vcvbc	rcod	53	62	-	0.2	3.3	12.9	1016	
Penzance	cp	cp	54	62	-	1	0.2	12.6		
St. Ives	o	c	55	63	-	0.5	1.1	11.8		
Bude	...	c	47	62	-	0.6	1.1	6.6		
Ifracombe	...	ocbc	53	62	-	-	3.0	4.6		
6 Aberystwyth	cbbc	cprc	49	61	-	1	2.1	7.4	1018	
7 Llandudno	...	bcc	46	62	-	3	5.5	9.2	50°	
Colwyn Bay	...	cpere	48	63	-	1	6.4	10.8		
Rhyl	...	bcpr	41	62	-	0.4	5.8	9.6		
8 Wallasey	...	bc	51	64	Trace	Trace	8.6	5.9		
Southport	...	bc	51	65	0.5	-	9.9	7.8	1020	
Blackpool	...	bcc	54	62	Trace	-	9.0	5.8		
Morecambe	...	bcc	47	63	0.5	-	10.5	2.6		
9 Ilkley	...	b	45	70	-	-	11.6	5.0	1022	
Harrogate	...	b	47	68	-	-	12.2	4.7		
10 Berwick-on-T.	b	bcc	45	66	-	-	12.0	14.7		
11 Dunbar	...	bc	46	65	-	-	12.1	13.6		
12 Troon	...	ocbc	49	61	-	-	5.5	14.6	1024	
Douglas	...	bcp	52	59	-	Trace	3.7	13.6		

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Wednesday, 26th July 1939.



BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. ~ Rough. ~~ High.

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

GENERAL INFERENCE.

A shallow depression over Southeast England is moving east-southeast and a feeble trough of low pressure west of Ireland is moving east. Weather will be rather unsettled but there will be bright intervals in most districts.

FURTHER OUTLOOK.

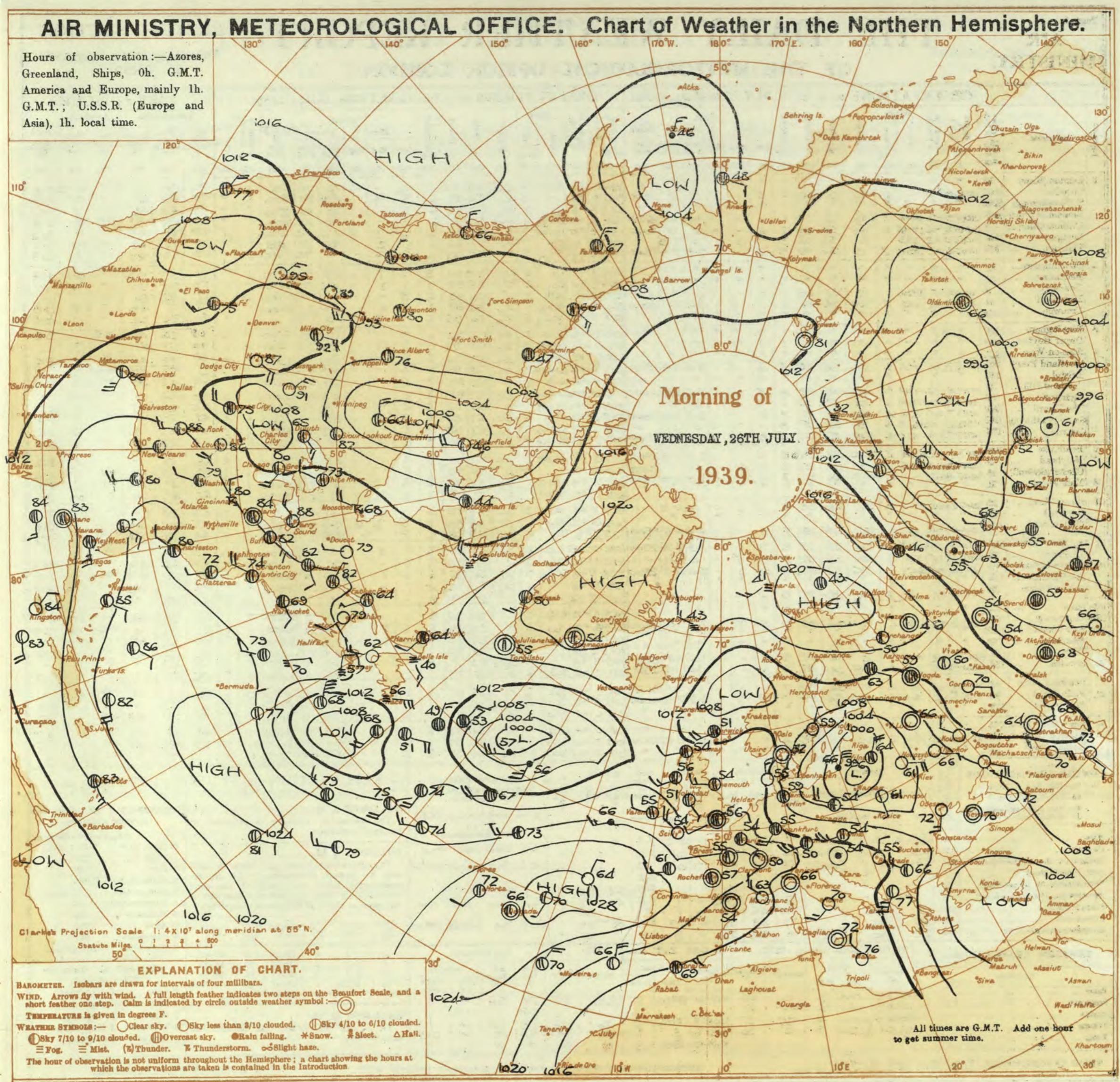
Rather unsettled but bright intervals; becoming warmer.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th July, 1939.
1 S.E. England	Light to moderate northwest wind, backing southwest; bright intervals and local thundery showers at first; cloudy later with perhaps slight rain; average temperature.
2 E. England	Light to moderate west wind backing southwest; fair at first, slight rain or drizzle later; local coast fog later; average temperature.
3 E. Midlands	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
4 W. Midlands	Light to moderate variable or southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
5 S.W. England	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
6 South Wales	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
7 North Wales	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
8 N.W. England	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
9 N. Midlands	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
10 N.E. England	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
11 S.E. Scotland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
12 S.W. Scotland & Isle of Man	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
13 A.W.Scotld. B.N.W.Scot- land.	Light to moderate variable or southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
14 Mid Scotland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
15 N. E. Scotland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
16 Orkney and Shetland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
17 N. W. Ireland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
18 N. E. Ireland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
19 S. E. Ireland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.
20 S. W. Ireland	Light to moderate southwest wind; cloudy, local rain or drizzle; local coast fog; average temperature.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 26th July, 1939
No. 28370

DISTRICT.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 26th July, 1939.												OBSERVATIONS at 7 hr. G.M.T. 26th July, 1939.												PAST 24 HOURS.									
		Height above M.S.L. in feet.	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. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.			SUN-SHINE. (36) hrs.
					Dir. (3)	Force. (4)					Form. (9)	Amount. (10)	Low. (11)	Med. (12)	High. (13)	Total. 0-10 (14)	Height of Base. (feet) (18)	Dir. (17)	Force. (18)				Form. (23)	Amount. (24)	Low. (25)	Med. (26)	Total. 0-10 (27)	Height of Base. (feet) (28)	Low. (30)	Med. (31)	High. (32)	Total. 0-10 (33)	Day. 7h-18h mm. (34)	Night. 18h-7h mm. (35)	
1	London (Kew) ...	18	* * * * *	-4	-	0	C	56	85	7	5	-	5	9	1500	10156	+1 N.W.	2	dodo	55	92	5	5	-	-	10	10	800	1	* 70	55	51	-	0.2	11.1
	Croydon ...	217	10158	-4	-	0	C	56	85	7	5	-	5	9	1500	10154	+1	-	52	53	87	6	-	-	46	97	1500	1	* 70	53	51	-	0.1	11.6	
	S. Farnborough	226	* *	*	*	0	C	56	85	7	5	-	5	9	1500	10158	+8	2 Z.	52	87	6	5	-	-	10	10	800	1	* 71	48	46	-	1	9.6	
	Boscombe Down	417	10159	-2	NNW	2	F+	52	97	1	-	-	10	10	1500	10158	+10 N.W.	3 off	51	97	6	5	-	-	10	10	800	1	* 67	18	x	0.1	16	6.8	
	Calshot (St. Mary's)	8	10156	-6	NNW	2	C	56	85	7	6	-	5	9	1500	10160	+10 N.W.	3 bc	54	92	6	6	-	-	146	220	1	* 68	51	49	-	1	8.2		
	Lympne ...	346	10170	+2	WS	1	C	53	97	8	3	2	0	7-8	-	10156	+2 S.W.	1 rr	53	92	6	6	-	-	78	10	1500	1	* 69	53	49	-	10	9.9	
	Manston ...	154	10168	-2	SSW	2	C	55	92	7	5	-	7-8	7-8	1500	10156	+2 S.W.	1 rr	56	92	6	6	-	-	5	91	1500	1	* 69	53	48	-	1	10.8	
2	Shoeburyness ...	11	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	10153	+2 S	2	rr	58	92	8	5	7	-	78	97	1500	1	* 71	53	45	-	6.1	8.8
	Felixstowe ...	15	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	10155	+4 NE	2 c/r	55	92	7	5	7	-	46	97	4000	1	1 73	54	52	-	1	10.1	
	Gorleston ...	5	10155	0	WSW	1	b	57	85	7	5	-	5	1	2500	10155	+2 NE	3 c	60	85	6	5	-	-	37	97	2500	0	1 66	52	54	-	1	12.7	
	Mildenhall ...	19	10159	+2	WS	2	br	55	92	6	5	-	5	10	4000	10158	+10 NW	1 Z.	56	97	6	5	3	-	46	93	4000	1	* 71	51	48	-	2	9.5	
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	10157	+8 NW	2 Z.	56	85	6	5	3	-	0	7-8	-	1	* 70	54	52	-	1	10.1	
3	Birmingham ...	535	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	10167	+10 NW	2 m	54	92	4	5	5	-	10	10	2500	1	* 69	52	48	0.2	1	9.8	
4	Upper Heyford ...	408	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	10163	+6 NW	3 Z.	53	97	5	5	3	-	23	7-8	4500	1	* 70	51	49	-	7	*	
4	Ross-on-Wye ...	223	* * * * *	*	*	*	*	*	*	*	*	*	*	*	*	10163	+8 NW	2 C	53	92	3	5	5	-	10	10	1500	1	* 67	48	46	Tr	5	6.3	
5	Hartland Point	299	10167	+4	NW	3	bc	55	85	9	4	-	46	46	1500	10177	+8 NW	2 bc	58	95	8	8	-	-	46	4-6	1500	1	2 68	53	45	0.5	3	1.8	
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	10170	+6 NW	2 c	53	92	7	5	5	-	9	97	2500	1	* 68	47	40	0.1	3	6.3	
	Portland Bill ...	32	10153	-6	NNW	3	bC	56	92	8	5	-	46	4-6	4000	10160	+12 NW	3 DC	57	85	8	5	-	-	23	2-3	4000	1	2 60	54	*	-	0.1	*	
	Plymouth ...	82	10168	0	NW	2	b	53	92	7	-	-	0	0	-	10181	+10 NW	1 D	56	92	8	2	-	-	Tr	Tr	4000	1	1 62	50	47	-	4	2.1	
	The Lizard ...	240	10177	+4	NW	4	bC	55	92	8	3	-	2-3	2-3	2500	10153	+10 NW	3 DC	57	92	8	3	-	-	23	2-3	2500	0	1 61	53	*	-	1	2.0	
	Scilly (St. Mary's) ...	163	10184	+4	NW	4	D	54	97	8	3	-	0	0	-	10173	+8 NW	2 DC	57	97	8	4	-	-	23	2-3	2500	0	1 61	53	*	-	1	1.2	
	Guernsey ...	175	10157	-6	NW	4	cbr	57	92	6	8	7	-	46	7-8	1500	10177	+8 NW	4 DC	56	85	8	8	1	-	17	2-3	1500	1	3 64	52	49	-	2	0.7
6	Pembroke ...	142	10170	+2	NNW	2	bC	55	92	8	8	8	-	2-3	2-3	2500	10178	+1 NW	2 bC	57	92	8	5	-											

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

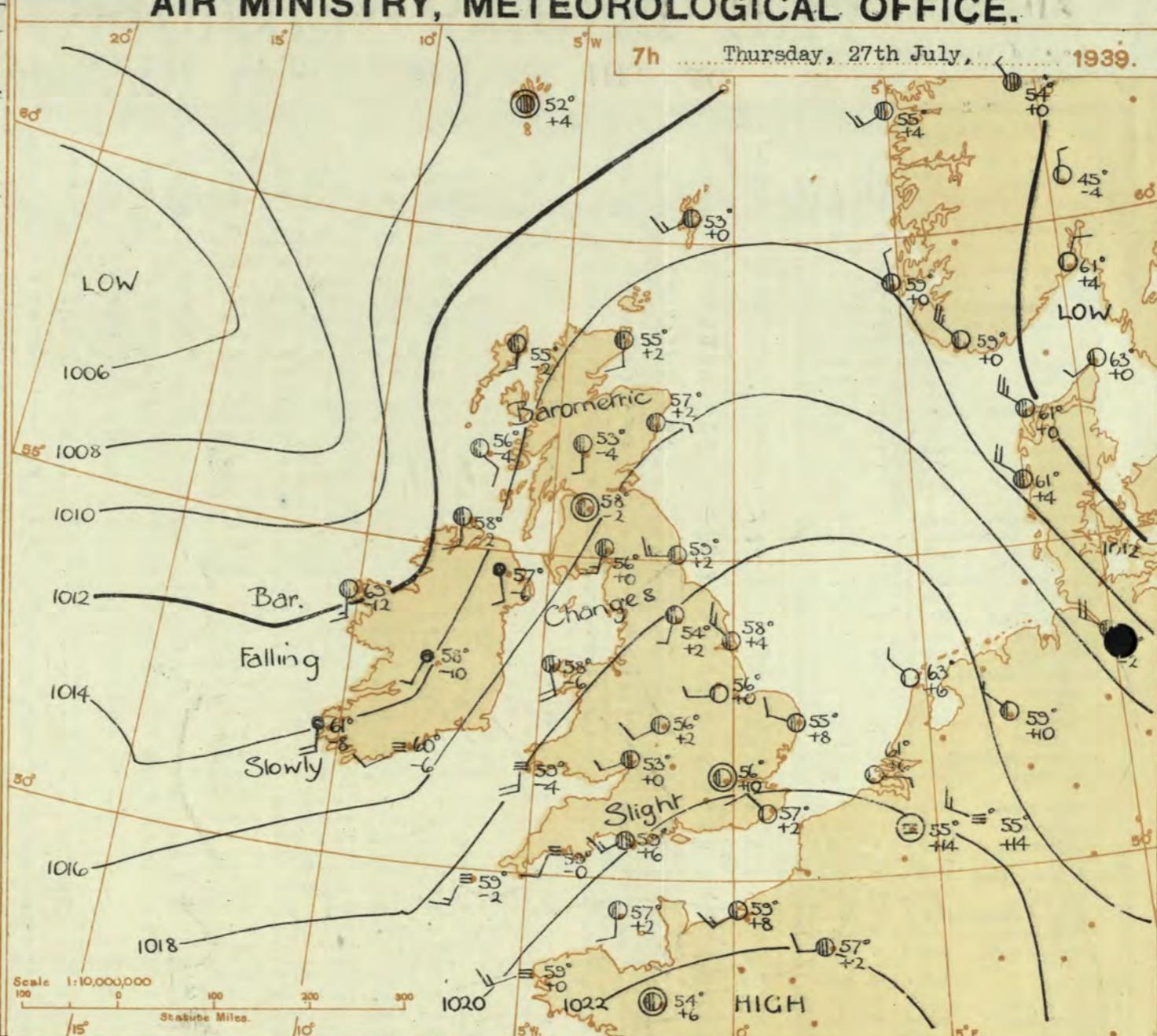
Thursday, 27th July, 1939.
No. 28371.

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 26th July												OBSERVATIONS at 18h. G.M.T. 26th July												PAST 24 HOURS.									
		Barom. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °C	Humid.	0-8 Visibility	Cloud.				Barom. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °C	Humid.	0-8 Visibility	Cloud.				State of Ground.	Sea.	0-9	WEATHER.						
				Dir.	0-12 Force					Form	Amount	Height of Base (feet)	Low			Dir.	0-12 Force					0-10	Total 0-10	Low	Med.	High	0-10	Total 0-10	Low	Med.	High	0-10	Total 0-10	0-9	(87)	(88)	(89)	(40)
1	London (Kew) ...	1016.7	+6	-	0	C/Pr	64	65	6	8	-	-	94	94	1500	1017.4	+2	WNW	1	C	69	55	7	8	-	-	7.8	7.8	2500	0	*	cpr	c2obcy	beybw	b2wm
	Croydon ...	1016.6	+6	-	0	C	61	85	6	3	7	-	2-3	94	4000	1017.2	0	Zo	66	75	6	9	6	3	1	2-3	5700	1	*	irpmpro	anabczo	b2wm			
	S. Farnborough	1017.0	+6	U'N	2	C/Pr	61	75	6	8	-	-	94	94	4000	1017.6	+4	SW	1	Zo	65	65	6	1	3	-	Tr	2-3	4000	0	*	cd1rtc	c2ybz	b2wm	
	Boscombe Down	1017.5	+4	NW	2	bc	65	65	7	1	-	-	46	96	4000	1018.1	+2	NNW	2	b	65	55	8	1	-	-	1	1	2500	0	*	cmbc	b2bbm	b2wm	
	Calshot (Soton.)	1017.3	+6	WNW	3	C	65	65	7	8	-	-	7.8	7.8	2500	1017.8	+4	WNW	3	c	68	55	8	8	3	-	7.8	9	2500	1	1	cey	cybcbw	b2bc	
	Lyminge	1016.6	+10	N'W	3	r	55	92	6	6	7	-	7.8	10	1500	1017.6	+10	NHE	2	bc	60	65	9	2	6	-	2-3	2-3	4000	1	2	rritc	cireme	b2bbm	
	Manston	1016.2	+6	NEW	3	c/r	58	85	6	5	2	-	94	10	800	1017.5	+10	N'E	1	b	61	75	8	2	6	1	2-3	4-6	2500	1	*	cmbc	b2bbw	b2wm	
2	Shoeburyness	1016.3	+6	ENE	2	C	64	75	8	7	-	-	2-3	10	2500	1017.9	+4	ESE	2	bc	63	85	9	5	4	-	4-6	4-6	5700	0	*	cpcp.c	cbbc	b2wm	
	Felixstowe	1016.6	+10	SE	2	C	62	85	8	5	7	-	7.8	10	1500	1017.1	+2	SSE	2	c	63	75	8	5	1	1	1	2-3	2500	0	1	c	b2b	b2wm	
	Gorleston	1016.0	+4	ENE	2	C	62	85	6	3	-	-	46	9	2500	1016.6	+2	ESE	1	bc	64	75	7	1	-	-	0	9	4000	0	*	carrcc	c2z	b2wm	
	Mildenhall	1016.7	+4	NW	1	C	61	75	7	6	7	-	94	97	4000	1017.0	0	W	1	Zo	67	65	6	1	3	-	0	9	4000	0	*	carrcc	c2z	b2wm	
	Cranwell	1016.2	0	SW	1	c	67	55	7	8	3	-	7.8	7.8	4000	1016.5	0	SSE	1	Zo	65	75	6	1	-	-	Tr	Tr	4000	0	*	cbezy	c2z	b2wm	
3	Birmingham	1017.2	0	NW	2	bc	63	65	7	7	-	-	46	46	2500	1017.9	0	NNW	2	bc	65	55	8	8	-	-	4-6	4-6	2500	1	*	mbc	c2bc	b2wm	
4	Upper Heyford	1016.8	+2	NWW	2	Zo	66	65	6	8	-	-	7.8	7.8	1500	1017.5	+6	NN	2	bc	65	65	7	2	-	1	4-6	4-6	2500	1	*	cnozo	b2bc	b2wm	
	Ross-on-Wye	1017.3	0	NW	2	c	65	65	8	7	-	-	9	9	4000	1017.4	+8	SWLW	2	b	68	55	8	1	-	-	2-3	2-3	4000	1	*	c	beyby	b2wm	
5	Hartland Point	1019.2	+4	W	3	bc	60	85	9	7	-	-	46	46	1500	1019.3	-2	WNW	3	bc	61	85	9	7	-	-	4-6	4-6	1500	0	2	bc	b2bc	b2wm	
	Bristol	1018.2	+2	WNW	3	C	63	65	8	8	-	-	7.8	7.8	2500	1018.9	+4	W	4	be	61	75	8	2	3	-	1	4-6	2500	1	*	c	b2bc	b2wm	
	Portland Bill	1017.9	+10	W	3	bc	62	85	8	5	-	-	46	46	9000	1018.4	+8	W	3	bc	60	92	8	5	-	-	4-6	4-6	4000	1	2	b2bc	b2bc	b2wm	
	Plymouth	1018.9	0	SWLW	3	bc	63	75	9	7	-	-	46	46	4000	1019.2	+2	WSLW	3	bc	69	65	9	1	-	-	1	2-3	4000	0	1	b2bc	b2bc	b2wm	
	The Lizard	1020.5	+4	WSLW	3	bc	62	85	8	8	4	-	2-3	4-6	2500	1020.5	0	WSLW	1	c	61	85	8	8	7	-	4-6	2-8	2500	0	1	cm	c2d	c2wm	
	Scilly (St. Mary's)	1020.3	+2	WSLW	3	bc	63	85	8	2	3	-	1	4-6	4000	1019.7	-9	SSLW	2	cyp	61	92	7	5	2	-	4-6	9t	1500	0	1	b2bc	c2d	c2wm	
	Guernsey	1019.7	+6	WNW	3	bc	61	75	8	2	-	-	2-3	2-3	1500	1020.2	+2	WSLW	3	b	60	85	9	1	-	-	1	2	2500	1	2	b2bc	b2bc	b2wm	
6	Pembroke	1019.5	+4	WNW	2	bc	59	85	8	8	4	-	1	2-3	2500	1019.6	0	W'N	2	bc	59	85	8	2	7	1	1	4-6	9000	0	1	bc	c2w	c2wm	
7	Holyhead	1017.9	+6	WNW	2	bc	61	75	9	7	-	-	2-3																						

DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (MM.)		SUNSHINE. (Hrs.)	
		Fore-noon.	After-noon.	MIn.	Max.	Night.	Day.	Sunrise to 17h.	Sunrise to 17h.
		9h25L	9h-17h.	17h25L	9h-17h.	25L	25L	25L	25L
1	Tunbridge W.	obc	bco	54	64	12	Trace	2.3	12.9
	Bournemouth	bcb	bcb	52	68	2	-	7.3	6.9
	Ventnor	rbcc	ebcc	52	67	1	-	8.9	9.1
	Southsea	cbe	bc	51	71	2	-	5.9	9.1
	Bognor Regis	bbcc	bcc	52	67	3	-	5.7	10.3
	Littlehampton	bc	bcpc	53	66	13	Trace	4.9	11.1
	Worthing	...	bcc	53	65	21	-	5.2	11.7
	Brighton	...	cpbcc	53	65	27	Trace	3.3	11.5
	Eastbourne	cp.c	c	54	66	11	0.2	1.8	12.4
	Hastings†	cro	cubcc	54	66	8	Trace	0.4	12.2
	Folkestone	moro	otc	54	65	19	3	1.7	9.3
	Dover	...	or	55	69	7	2	1.7	10.0
	Deal	...	rr	55	65	5	3	2.9	10.6
	Ramsgate	r	bc	56	61	5	10	2.5	11.0
	Margate	cr	cbc	55	62	2	6	2.7	10.8
2	Southend	ocbco	ocpab	55	68	1	Trace	2.2	10.8
	Claughton-on-Sea	c	cbc	55	64	-	-	1.8	9.1
	Dovercourt	oc	bc	54	66	-	-	2.8	10.4
	Lowestoft	cbcc	cbc	52	63	-	-	2.7	11.9
	Skegness	bzob	blcc	54	68	-	-	7.1	10.3
	Mablethorpe	b	bcc	52	66	-	-	8.1	10.7
	Cleethorpes	bc	bc	51	65	-	-	10.2	12.1
3	Leamington S.	cbc	bc	54	69	1	-	5.8	10.1
4	Cheltenham†	cbe	bcb	52	70	2	-	4.9	7.1
5	Bath	...	bcc	51	68	7	-	3.5	6.5
	Weymouth	...	b	50	67	3	-	8.4	8.8
	Jersey	rcbc	bc	56	64	3	-	11.9	*
	Torquay	lv	buy	51	68	3	-	11.3	6.3
	Falmouth	...	b	52	68	0.1	-	10.7	3.3
	Penzance	...	b	51	68	0.5	-	10.3	0.2
	St. Ives	...	b	55	64	2	-	11.6	1.1
	Bude	...	bc	47	62	1	-	11.4	1.1
	Ifracombe	rrcbc	bcc	56	63	-	-	12.2	3.6
6	Aberystwyth	cbc	bc	50	64	-	-	11.3	2.8
7	Llandudno	...	b	49	66	0.7	-	11.7	5.5
	Colwyn Bay	bbcb	bc	49	65	2	-	11.5	6.4
	Rhyl	...	b	47	65	4	-	11.5	5.8
8	Wallasey	bcb	b	54	66	Trace	-	10.1	8.6
	Southport	bbcv	br	50	68	-	-	9.8	9.9
	Blackpool	...	br	55	66	-	-	11.8	9.0
	Morecambe	...	b	54	65	-	-	12.2	11.5
9	Ilkley	...	b	48	72	-	-	9.2	12.4
	Harrogate	...	bcb	49	70	-	-	6.1	12.9
10	Berwick-on-T.	bbc	cbe	49	66	-	-	8.8	13.0
11	Dunbar	...	bc	50	65	-	-	6.6	14.1
12	Troon	...	occoc	51	60	-	-	0.1	7.2
	Douglas	...	b	46	65	-	-	11.7	5.3

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

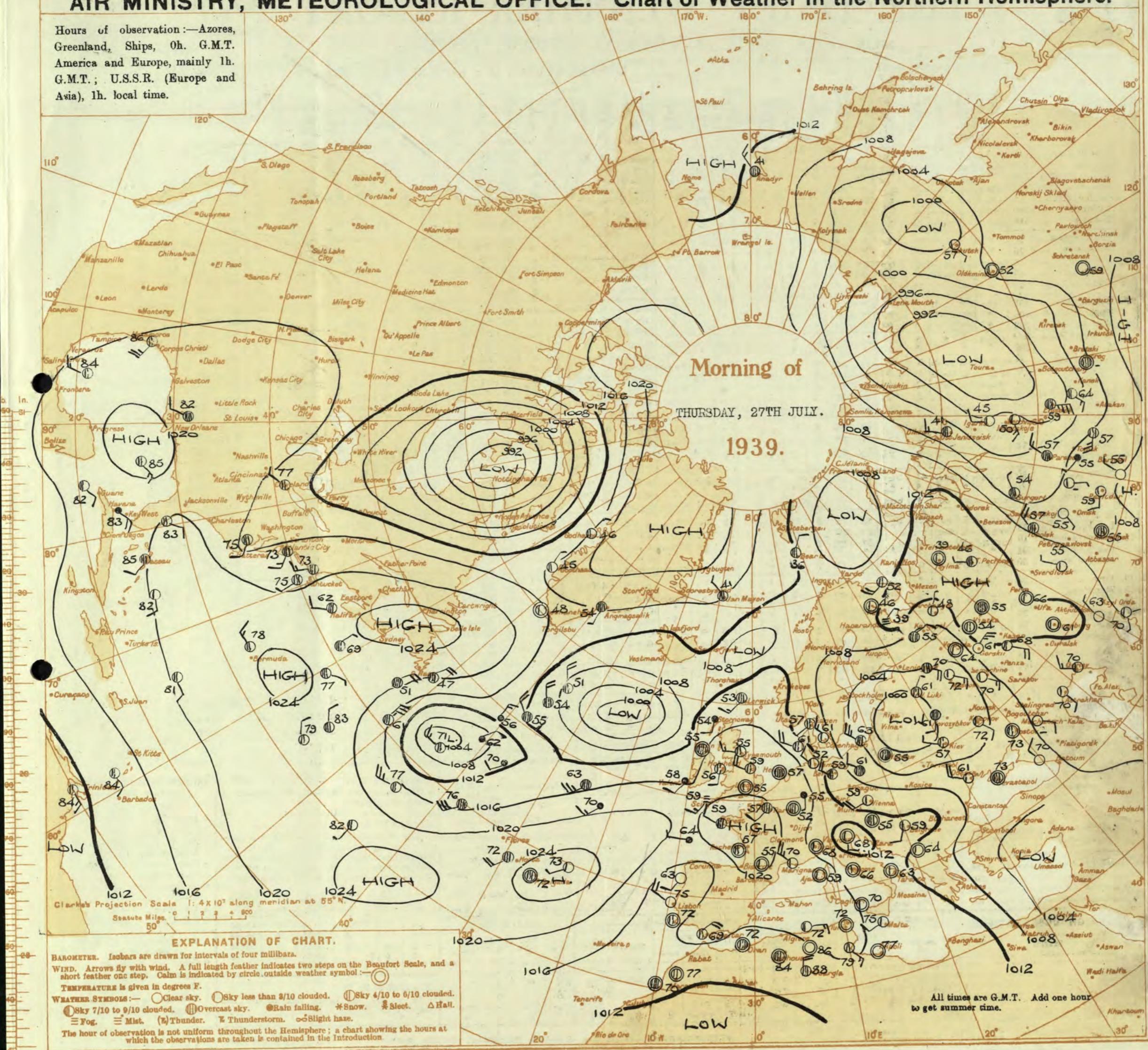
AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T.	27th July, 1939.
1 S.E. England	Light to moderate south to southwest wind; fair at first, cloudy later with occasional rain or drizzle; local coast fog; rather warm and close.	
2 E. England		
3 E. Midlands		
4 W. Midlands		
5 S.W. England		
6 South Wales	Moderate southwest to south winds, freshening to-morrow; cloudy, occasional rain or drizzle, coast fog; average temperature.	
7 North Wales		
8 N.W. England		
9 N. Midlands		
10 N.E. England	Moderate south to southwest wind; cloudy, occasional rain or drizzle; rather warm and close.	
11 S.E. Scotland		
12 S.W. Scotland & Isle of Man		
13 { A. W. Scotld. B. N.W. Scot- land.	Moderate south to southwest wind; cloudy, occasional rain or drizzle; local coast fog; average temperature.	
14 Mid Scotland		
15 N. E. Scotland		
16 Orkney and Shetland		
17 N. W. Ireland	Moderate southwest to south wind, freshening to-morrow, strong locally on coasts; cloudy, occasional rain or drizzle; local coast fog; rather warm and close.	
18 N. E. Ireland		
19 S. E. Ireland		
20 S. W. Ireland		

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.
AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

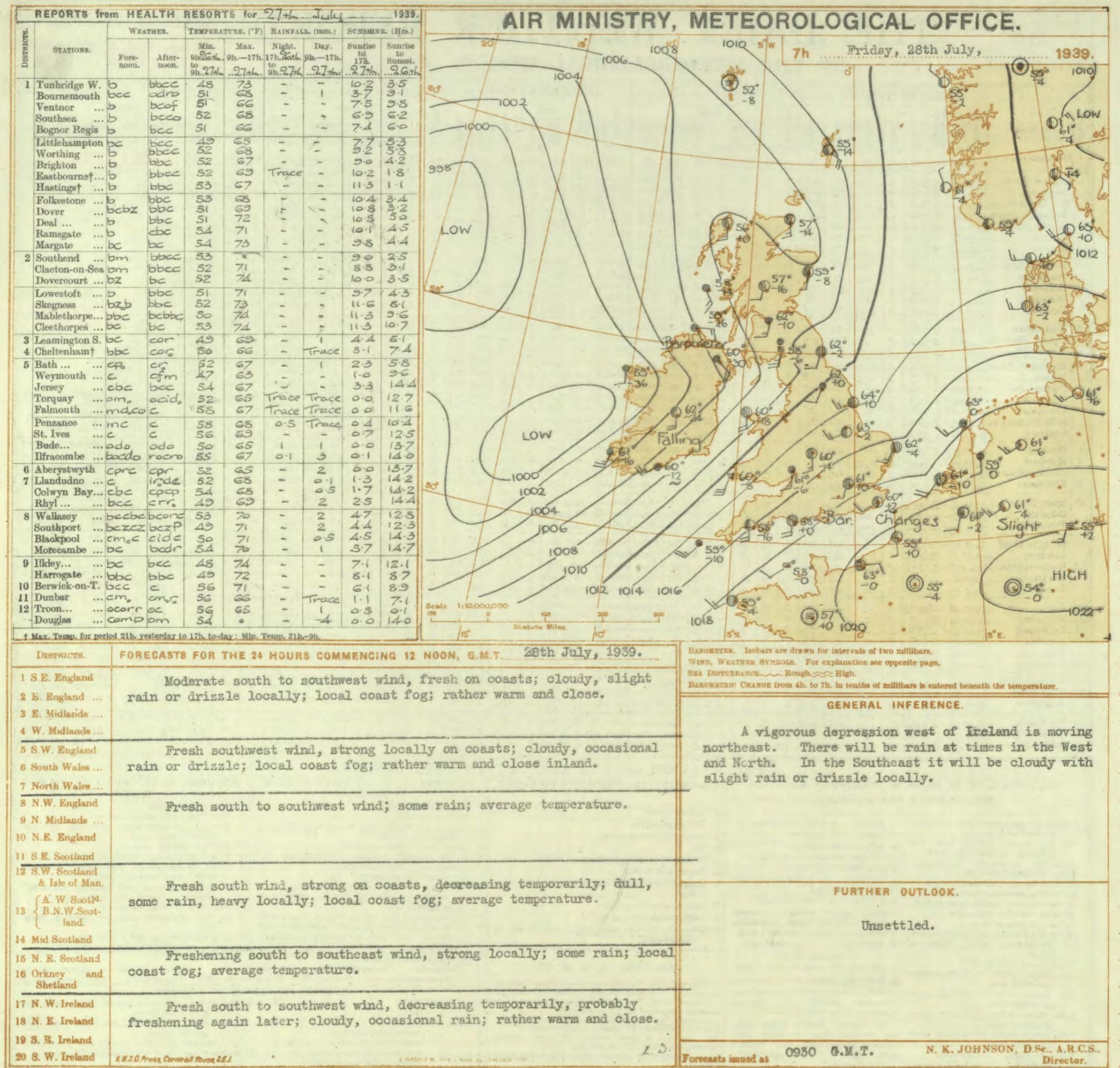
BRITISH SECTION
Thursday, 27th July, 1939.
No. 28371.

DISTRICT.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 27th July												OBSERVATIONS at 7 hr. G.M.T. 27th 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.			SUN-SHINE 24Hrs.				
					Dir.	Force.	Low					Med.	High	0-10	Total	Height of Base (feet)	Dir.	Force.	Low	Med.				High	0-10	Total	Height of Base (feet)	0-9	(31)	(32)	(33)	(34)	(35)	(36)							
1	London (Kew) ...	18	* * * * *	*	*	0	z	55	97	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	G	-	0	2-3	-	0	69	51	40	Tr - 4.5
	Croydon ...	217	1019.2 +6	*	*	-	0	z	55	97	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	92	G	-	1	66	0.4	-	1.9			
	S. Farnborough ...	226	* * * * *	*	*	0	z	51	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	92	G	-	0	46	38	Tr	2.6			
	Boscombe Down ...	417	1020.4 +4	N	2	z	51	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	87	3	-	1	69	43	-	8.5				
	Calshot (Sthmtn.) ...	8	1020.2 +6	N	NSW	1	5	52	92	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	87	3	-	1	65	47	41	-	7.2				
	Lympne ...	346	1019.8 +6	N	N	2	5	52	92	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	88	6	-	1	61	51	46	-	3.6				
	Manston ...	154	1019.5 +6	SWN	2	b	51	85	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	5	-	1	62	50	43	7	Tr 4.6				
2	Shoeburyness ...	11	* * * * *	*	*	0	z	57	85	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	4	-	0	66	53	43	1	-	2.3			
	Felixstowe ...	15	* * * * *	*	*	0	z	57	85	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	5	-	1	67	53	47	-	2.8				
	Gorleston ...	5	1018.1 +8	SWN	2	b	57	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	5	-	1	65	53	52	-	5.0					
	Mildenhall ...	19	1018.6 +4	N	NSW	1	c	52	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	87	5	-	1	68	47	43	0.3	Tr	1.7				
	Cranwell ...	240	* * * * *	*	*	0	z	57	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	5	-	0	71	49	47	Tr	Tr	Q.1				
3	Birmingham ...	535	* * * * *	*	*	0	z	57	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	6	-	1	69	51	38	-	-	4.8				
4	Upper Heyford ...	408	* * * * *	*	*	0	z	57	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	6	-	1	68	48	42	-	-	5.0				
	Ross-on-Wye ...	223	* * * * *	*	*	0	z	57	85	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	6	-	1	70	47	43	-	-	5.0					
5	Hartland Point ...	299	1019.8 -2	S	*	3	b	53	97	8	*	*	5	*	*	2-3	2-3	2500	1019.9 -6	S	3	57	97	7	5	2	-	9	10	800	1	9	65	52	51	-	0.4	13.9			
	Bristol ...	209	* * * * *	*	*	0	z	57	97	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	85	7	-	1	66	51	41	-	-	7.7					
	Portland Bill ...	32	1019.3 +6	N	NE	3	b	53	85	8	4	*	*	2-3	2-3	4000	1019.0 -6	SIN	3	57	92	8	5	7	-	10	10	4000	1	2	62	57	*	-	-	0.1	13.8				
	Plymouth ...	82	1020.0 -2	E	NE	1	c	53	97	8	5	*	*	0	7-8	+	1019.8 -2	SSE	1	57	97	9	5	2	-	10	10	4000	1	1	65	52	47	-	0.1	13.8					
	The Lizard ...	240	1020.4 -2	WS	2	m	53	97	4	5	*	*	10	10	800	1019.7 0	SSW	2	57	97	9	5	1	-	10	10	4000	1	1	64	57	*	-	0.1	13.8						
	Scilly (St. Mary's) ...	163	1019.4 -4	SW	3	b	53	97	2	*	*	*	10	10	150	1018.8 -2	SWS	3	57	97	2	5	1	-	10	10	4000	1	2	64	58	*	-	0.2	8.2						
	Guernsey ...	175	1021.2 +6	-	0	b	54	97	8	*	*	*	0	0	-	1021.2 +2	S	2	57	97	8	4	-	9	9	450	1	3	62	53	47	-	-	13.3							
6	Pembroke ...	142	1018.5 0	SSW	2	c	58	92	8	5	1	*	4-6	7-8	2500	1017.9 -4	S	4	57	97	9	5	-	10	10	450	1	2	61	56	*	-	0.2	14.4							
7	Holyhead ...	26	1018.1 -2	S	2	b	58	92	8	1	*	4	2-3	4-6	2500	1016.8 -6	SIE	4	57	85	9	7	-	4-6	4-6	4000	1	1	65	55	51	-	-	13.5							
8	Chester (Sealand) ...	16	1019.3 +2	-	0	b	58	92	7	*	*	0	2-3	*	*	*	1018.8 -6	SE	1	57	85	5	7	-	6</																

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

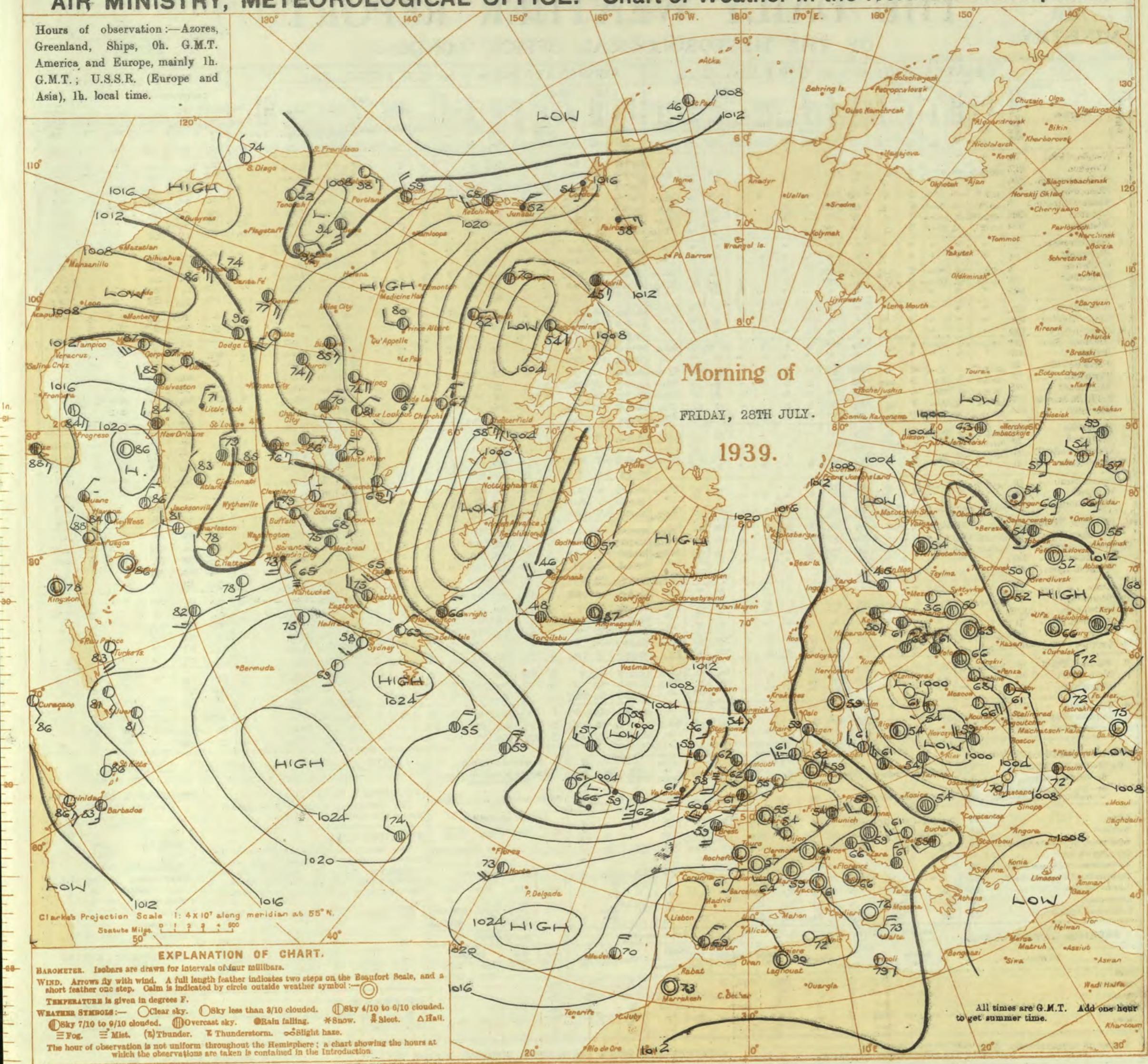
BRITISH SECTION
Friday, 28th July, 1939.
No. 28372.

District.	STATIONS: (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 27th July												OBSERVATIONS at 18h. G.M.T. 27th July												PAST 24 HOURS.										
		Wind.		Cloud.										Wind.		Cloud.										WEATHER.										
		Barom. mb.	at M.S.L.	Change in 3 hours.	Dir.	0-12	Weather.	Temp.	Humid.	Visibility	Form			Amount.			Height of Base (feet)	Barom. mb.	at M.S.L.	Change in 3 hours.	Dir.	0-12	Weather.	Temp.	Humid.	Visibility	Form			Height of Base (feet)	State of Ground	Sea.	7h.-13h.	13h.-18h.	18h.-27th	1h.-7h.
											Low	Med.	High	Low	0-10	Total	0-10				Low	Med.	High	Low	0-10	Total	0-10									
1	London (Kew) ...	1020.0	-4	SW's	4	c	69	55	8	1	3	6	4-6	9	4000	1020.0	+4	SW	3	cip	65	75	8	5	3	-	9+	10	800	0	*	bcm, bcc, cyc, pcc	cpr, c	e	ord, mc	
	Croydon ...	1019.7	-6	SW	3	o	72	55	8	1	-	5	4-6	7-8	4000	1019.5	-2	SW	3	cip	66	85	8	7	7	-	4-	9+	4000	1	*	bcm, c, cyc, pcc	cpr, c	e	ord, mc	
	S. Farnborough	1020.1	+2	SSN	3	c	70	65	8	1	3	1	4-6	9+	4000	1019.9	-2	SSW	4	c	63	85	8	5	-	-	10	10	1500	0	*	mc, cyc, c, pcc	cpr, c	e	ord, mc	
	Boscombe Down	1020.1	-6	SW	4	c/d	66	65	8	5	7	8	4-6	9+	2500	1019.5	-6	SWS	3	c	61	92	7	5	-	-	10	10	1500	1	*	chm, ddc, cyc, pcc	cpr, c	e	ord, mc	
	Calshot (Soton.)	1020.1	+2	SSN	4	c	68	65	8	1	7	8	1	7-8	2500	1020.5	-2	SSW	4	c	63	75	8	5	-	-	10	10	450	1	2	bcc, idc, bcc	cpr, c	e	ord, mc	
	Lymnpe ...	1020.7	0	SWS	4	bc	70	65	8	2	-	3	2-3	4-6	4000	1020.9	-2	SSW	3	c	67	65	8	-	9	-	0	9	-	0	2	bmc, bcc, ccm	cpr, c	e	ord, mc	
	Manston ...	1020.4	-2	SW	3	c	72	45	6	2	-	6	2-3	7-8	2500	1020.0	-2	SSW	3	c	67	65	8	-	9	-	0	9	-	0	*	bcc, zyc	cpr, c	e	ord, mc	
2	Shoeburyness ...	1020.0	-6	SW	3	bc	74	55	8	1	-	2	2-3	4-6	4000	1019.7	0	SW's	3	c	68	65	8	1	7	-	Tr	9+	4000	0	*	bmc, bcc, cyc, pcc	cpr, c	e	ord, mc	
	Felixstowe ...	1019.8	-2	S	4	z	72	65	6	1	-	7	1	10	2500	1019.3	-4	SW	4	c	69	65	8	5	7	-	4-	2	2500	0	2	bmc, zyc, cyc, pcc	cpr, c	e	ord, mc	
	Gorleston ...	1019.3	0	SE	2	bc	65	75	6	7	-	1	2-3	4-6	2500	1017.8	-2	S'W	4	bc	68	75	6	7	4	-	4-	2	2500	0	*	bmc, bcc, cyc, pcc	cpr, c	e	ord, mc	
	Mildenhall ...	1018.7	-6	WSN	2	c	72	55	7	7	-	6	4-6	9+	4000	1018.1	-2	W'S	4	c	70	65	8	7	7	-	9+	4000	0	*	bmc, bcc, cyc, pcc	cpr, c	e	ord, mc		
	Cranwell ...	1017.8	-10	SSN	3	bc	70	55	7	7	-	8	4-6	4-6	4000	1017.5	0	SWS	4	c	67	75	8	4	7	-	1	9+	4000	0	*	bmc, bcc, cyc, pcc	cpr, c	e	ord, mc	
3	Birmingham ...	1018.5	-2	SW	3	pr	66	75	8	7	7	8	2-3	7-8	2500	1018.0	-6	S	3	dd	62	92	7	6	-	-	10	10	800	1	*	bcc, coiro	cpr, c	e	ord, mc	
4	Upper Heyford ...	1018.4	-6	SWS	3	ir	63	65	9	1	7	7	2-3	10	4000	1019.0	-6	SSW	3	id	63	92	7	5	2	-	9	10	1500	1	*	bcm, c, cirro	cpr, c	e	ord, mc	
5	Ross-on-Wye ...	1018.7	0	SSW	3	ir	63	85	7	5	-	10	10	1500	1017.8	-6	SW	3	id	63	92	7	5	2	-	9	10	1500	1	*	bcc, cirro	cpr, c	e	ord, mc		
6	Hartland Point	1018.0	-2	SW	4	c/r	60	97	7	5	2	-	7-8	9+	800	1017.0	-6	WSW	5	ir	62	92	7	5	2	-	7-8	10	1500	1	3	irFc, circ	cpr, c	e	ord, mc	
	Bristol ...	1019.6	-6	S	3	ir	64	85	8	5	7	-	7-8	9+	1500	1018.9	-4	SSW	1	rr	63	92	6	5	2	-	9	10	800	1	*	bcc, ddrr, off	cpr, c	e	ord, mc	
	Portland Bill ...	1020.6	+4	SW	2	of	60	92	3	5	-	10	10	<150	1020.3	-2	SW	3	if	60	92	3	5	-	-	10	10	800	1	3	ddrr, off, ifif	cpr, c	e	ord, mc		
	Plymouth ...	1020.0	+2	S	1	f	60	97	2	5	-	10	10	<150	1019.8	-2	SSW	1	z	60	97	6	5	7	-	9+	10	220	1	1	ddff, fff, ffcc, pcc	cpr, c	e	ord, mc		
	The Lizard ...	1020.4	+2	SSN	3	c	61	97	7	5	2	-	9	10	1500	1019.7	-6	S'W	4	ip	61	97	7	5	2	-	9	10	1500	1	3	offcc, cirro	cpr, c	e	ord, mc	
	Scilly (St. Mary's) ...	1019.2	+2	SSN	5	c	64	92	7	5	7	-	4-6	9+	1500	1018.2	-8	SSW	4	id	61	97	6	5	2	-	7-8	10	1500	1	2	odff, ofrd	cpr, c	e	ord, mc	
	Guernsey ...	1021.6	0																																	



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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America, and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 28th July, 1939.
No. 28372.

District.	Stations.	Observations at 1 hr. G.M.T. 28th July												Observations at 7 hr. G.M.T. 28th July												Past 24 Hours.											
		Height above M.S.L. in feet.	Barom. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Barom. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Barom. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility 0-9	Temperature.				Sun-shine 27 hrs.	
					Dir.	Force.				Form.	Amount.	Height of Base. (feet)	Low.			Med.	High	Low 0-10	Total 0-10	(15)	(16)	Dir.	Force.	Weather.													
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.6	-2	SW	2	c	62	85	7	5	2	-	7-8	9+	0	*	70	60	59	Tr	Tr	7-3	
	Croydon ...	217	1019.4	-4	SSW	3	*	*	*	*	*	*	*	*	*	1018.4	0	SSW	2	c	61	92	8	5	7	-	7-8	9+	1	*	72	60	59	Tr	Tr	7-8	
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	+2	SSW	3	0/d	61	92	6	5	-	-	10	10	1500	0	*	71	59	59	Tr	0-1	7-8
	Boscombe Down ...	417	1018.9	-4	S'W	5	*	*	*	*	*	*	*	*	*	1017.4	-2	SSW	3	0/d	59	97	6	-	2	-	10	10	220	1	*	66	58	58	0-1	0-2	3-3
	Calshot (St. Mary's) ...	8	1019.7	-6	SWS	4	*	*	*	*	*	*	*	*	*	1018.5	0	SWS	4	c	60	92	8	5	-	-	10	10	450	1	*	68	60	60	Tr	Tr	5-7
	Lympne ...	346	1020.2	-8	WSW	2	*	*	*	*	*	*	*	*	*	1019.3	+2	SW	2	0/d	59	97	7	5	3	-	9	10	450	0	*	71	57	56	-	-	10-9
	Manston ...	154	1019.7	-6	SWS	2	*	*	*	*	*	*	*	*	*	1018.7	0	SW	3	0/d	62	85	7	5	7	-	4-6	9+	0	*	73	58	58	-	-	11-0	
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.9	-2	SW	3	c	64	85	8	-	7	8	0	9+	0	*	73	62	59	-	-	9-3	
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.8	-4	WSW	4	c	63	85	7	5	2	-	9	10	1500	0	*	74	61	60	-	0-2	9-8
	Gorleston ...	5	1018.1	-4	SW	2	*	*	*	*	*	*	*	*	*	1016.4	-4	SWS	3	c	62	92	7	5	-	-	10	10	2500	1	*	73	62	60	-	1	11-3
	Mildenhall ...	19	1017.6	-6	SSW	3	*	*	*	*	*	*	*	*	*	1016.3	+2	SW	3	c	62	85	7	5	-	-	10	10	1500	1	*	74	61	59	-	1	6-5
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.7	-2	SW	3	c	63	85	7	7	4	3	2-3	9+	1	*	72	60	58	-	1	9-5	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	-4	S	3	c	60	97	6	5	-	-	10	10	1500	1	*	66	59	58	0-2	3	4-4
4	Roes-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.5	-6	S	3	0/d	61	92	6	6	-	-	10	10	800	1	*	64	60	59	0-2	1	1-1
5	Hartland Point ...	299	1016.4	-2	WSW	5	*	*	*	*	*	*	*	*	*	1014.4	-8	SW	4	c	59	97	8	6	2	-	2-3	9+	1	*	62	59	59	5	5	0-0	
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	-2	SSW	4	c	60	97	7	5	7	-	7-8	9+	1	*	66	60	58	5	4	1-0	
	Portland Bill ...	32	1019.2	-10	SW	4	0	*	*	*	*	*	*	*	*	1018.0	0	S	4	0	58	92	8	5	-	-	10	10	2500	1	*	61	56	56	-	-	7-8
	Plymouth ...	82	1018.9	-8	SW	3	dd	*	*	*	*	*	*	*	*	1017.2	-2	SSW	3	0/d	59	97	6	5	-	-	10	10	450	1	*	62	59	59	0-1	1	0-0
	The Lizard ...	240	1019.0	-4	SSW	4	0/d	*	*	*	*	*	*	*	*	1015.2	-10	SSW	5	0/d	59	97	6	5	5	-	7-8	10	1	*	64	58	58	0-2	1	0-2	
	Scilly (St. Mary's) ...	163	1017.6	-16	SSW	5	0/d	*	*	*	*	*	*	*	*	1013.1	0	SW	2	0/d	59	97	8	5	2	-	10	10	2500	1	*	62	58	57	0-2	7-8	
	Guernsey ...	175	1020.4	-8	SSW	2	*	*	*	*	*	*	*	*	*	1013.1	-4	S	3	0/d	58	97	4	-	-	-	10	10	150	1	*	72	59	58	0-6	1	7-7
6	Pembroke ...	142	1016.1	0	SWW	5	*	*	*	*	*	*	*	*	*	1013.0	-8	SWS	6	c	60	97	1	-	-	-	10	10	450	1	*	60	58	58	0-6	0-0	
7	Holyhead ...	26	1013.1	-2	SW	4	*	*	*	*	*	*	*	*	*	1010.6	-18	SW	4	c/r	60	97	7	5	5	-	10	10	450	1	*	61	57	57	0-3	0-0	
8	Chester (Sealand) ...	16	1014.5	-4	SE	*	*	*	*	*	*	*	*	*	*	1012.8	-8	SSW	2	0/d	62	92	6	5	7	-	7-8	10	1	*	70	6					

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

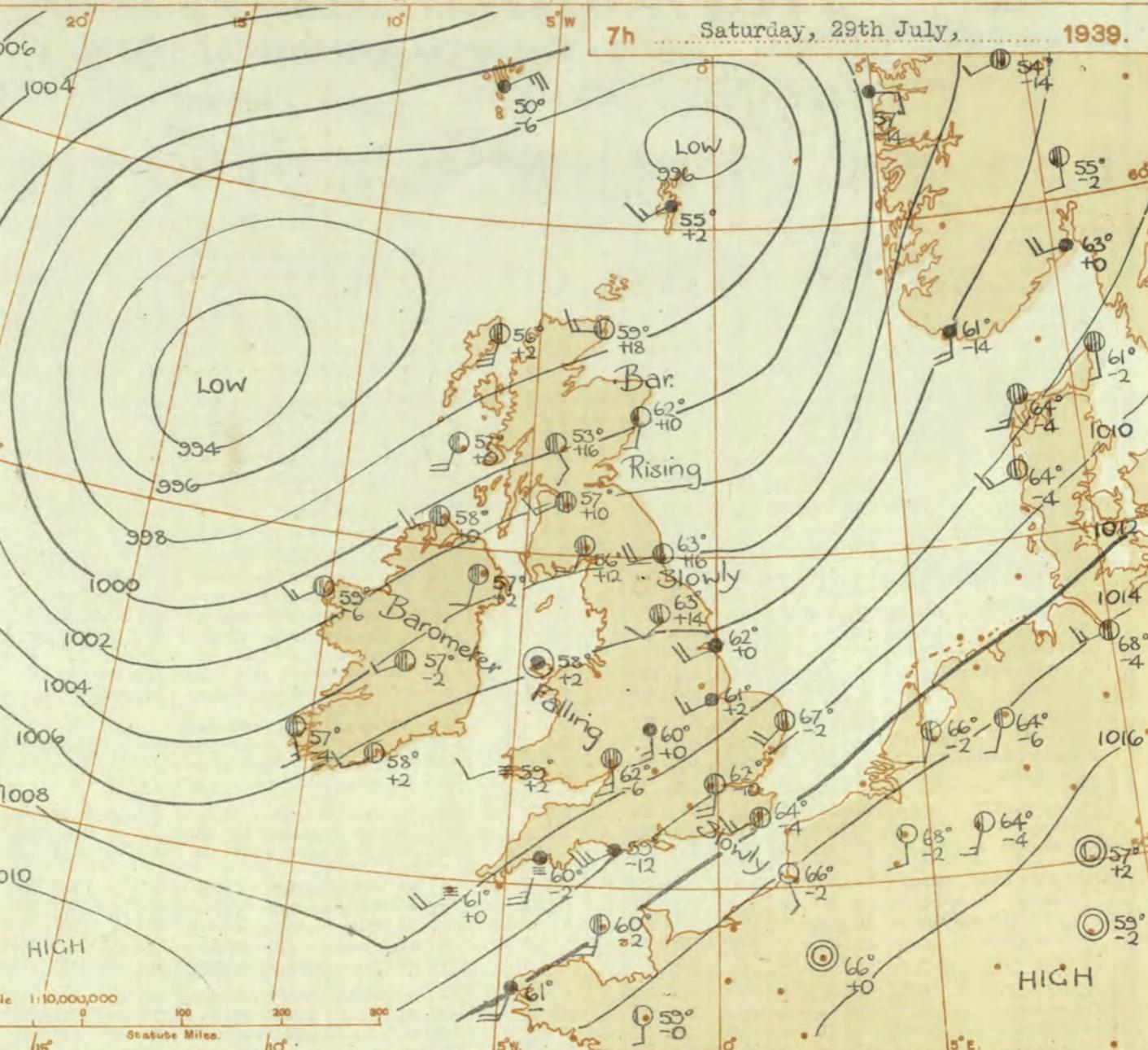
BRITISH SECTION
Saturday, 29th July, 1939.
No. 28373.

District.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 28th July										OBSERVATIONS at 18h. G.M.T. 28th July										PAST 24 HOURS.														
		Barom. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. (6)	% Humid. (7)	0-6 Visibility (8)	Cloud.			Barom. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. (20)	% Humid. (21)	0-9 Visibility (22)	Cloud.			Barom. mb. (23)	Change in 3 hours. (24)	Wind.	Weather. (25)	Temp. (26)	% Humid. (27)	0-9 Visibility (28)	State of Ground. (29)	Sea. 0-9 (30)	WEATHER.			
				Direc. (3)	Force (4)					Form	Amount	Height of Base (feet) (14)			Direc. (17)	Force (18)					Form	Amount	Height of Base (feet) (14)								7h.-13h. 28th	13h.-18h. 28th	18h.-24h. 29th	1h.-7h. 29th		
				Dir.	0-12					Low	Med.	High	0-10	Total 0-10	0-10	0-12	Dir.	0-12			Low	Med.	High	0-10	Total 0-10	0-10	0-9	0-9	Sea.	0-9	7h.-13h. 28th	13h.-18h. 28th	18h.-24h. 29th	1h.-7h. 29th		
1	London (Kew) ...	10166	-14	SSW	3	C	67	75	5	5	-	-	94	94	1500	10146	-14	SSW	4	C	67	75	8	1	4	9	Tr	7-8	2500	0	*	c	e	cbe	bcc	
	Croydon ...	10171	-8	SWS	2	C	67	85	8	5	-	2	9	94	2500	10151	-16	S'N	3	C	66	85	8	5	3	4	Tr	7-8	2500	0	*	c	c@c	bccbw	bcbw	
	S. Farnborough	10167	-12	S'W	4	C	68	75	8	5	1	-	78	94	2500	10146	-18	SSW	4	C	64	75	8	-	3	6	0	7-8	-	0	*	c	cindc	cindc	cindc	
	Boscombe Down	10165	-10	SSW	3	C	63	85	7	5	-	-	94	1500	10144	-14	SSW	4	C	62	75	8	5	9	6	1	2	2500	1	*	c	cirgmc	cirgmc	cirgmc		
	Calshot (Soton.)	10178	-6	SSW	4	C	64	85	8	5	-	-	10	10	800	10166	-12	S'W	3	C	64	85	8	7	7	6	1	2	4000	-	0	*	c	c@	bcbbe	bcbbe
	Lymnpe	10180	-10	SWS	4	C	67	85	7	8	-	6	78	94	1500	10165	-12	S'W	3	C	66	85	7	5	9	0	7-8	-	0	*	c	c@	bcbw	bcbw		
	Manston	10174	-6	S'W	4	C	70	75	8	5	-	8	78	9	2500	10158	-14	SWS	4	C	69	65	8	5	4	8	1	9	1500	0	*	c	cidc	c	gbw	
2	Shoeburyness	10173	-8	SW	4	C	72	75	8	7	7	3	46	94	2500	10152	-16	SWS	4	C	69	75	8	1	4	3	Tr	4-6	2500	0	*	c	cbbc	bvc	bvc	
	Felixstowe	10164	-10	SWS	4	C	72	65	8	5	1	-	9	94	2500	10147	-14	SSW	4	C	71	65	7	5	4	1	0	7-8	-	0	*	c	c	c@eq	c@eq	
	Gorleston	10151	-8	SWS	4	C	70	75	7	5	-	-	10	10	2500	10137	-12	SSW	4	C	70	65	7	7	7	1	1	7-8	4000	0	*	c	c	bcbec	ccprc	
	Mildenhead	10150	-10	SWS	4	C	71	65	7	5	2	-	78	94	2500	10113	-12	SSW	4	C	67	75	8	5	7	7	9	1500	0	*	c	c	cir	cir		
	Cranwell	10135	-10	SWS	4	C	69	75	8	5	7	-	78	10	1500	10113	-16	S'W	3	C	64	85	8	5	7	9	9	1500	1	*	c	c	co	co		
3	Birmingham	10138	-10	S	3	C	66	75	8	5	7	-	78	10	1500	10112	-16	S	3	C	64	75	8	5	9	2	2	2-3	7-8	1500	1	*	c	c	cdrc	cdrc
4	Upper Heyford	10156	-10	SSW	3	C	67	85	7	5	9	1	46	94	1500	10113	-16	S'W	3	C	64	85	8	5	7	9	9	1500	1	*	c	c	cop	ir		
5	Hartland Point	10132	-8	SW	5	C	62	85	8	8	6	-	78	94	1500	10105	-16	SW	5	C	63	85	8	5	7	-	7-8	94	1500	0	*	c	c	or	orrf	
	Bristol	10157	-6	SWS	4	C	62	85	8	5	7	-	78	10	800	10130	-16	S	3	C	64	75	8	5	3	9	4-6-6	2500	1	*	c	c	bccq	cqws		
	Portland Bill	10168	-12	S'W	4	O	59	92	7	5	-	-	10	10	2500	10153	-14	SW	4	O	59	92	7	5	-	-	10	10	2500	1	*	c	c	corr	corr	
	Plymouth	10163	-6	S'W	4	C	60	92	7	5	-	-	10	10	800	10138	-18	SSW	4	C	60	92	7	5	-	-	10	10	800	1	*	c	c	oidmc	oidmc	
	The Lizard	10159	-4	S	3	C	60	97	7	5	2	-	9	10	1500	10133	-20	S	5	C	60	92	7	2	-	-	10	10	1500	0	*	c	c	dfdc	dfdc	
	Scilly (St. Mary's)	10137	-8	S'W	6	C	62	97	7	5	8	3	46	78	1500	10111	-16	SW	6	C	61	92	7	5	-	-	10	10	1500	0	*	c	c	cidm	cidm	
	Guernsey	10178	-12	S	3	C	63	85	8	-	3	-	0	9	-	10156	-18	S	4	C	67	75	8	-</												

REPORTS from HEALTH RESORTS for 28th July, 1939.											
DISTRICTS.	STATIONS.	WEATHER.		TEMPERATURE. (°F)		RAINFALL. (mm.)		SUNSHINE. (Hrs.)		Sunrise to Sunset.	Sunrise to 21h.
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	Sunrise to 17h.	Sunrise to 17h.		
1 Tunbridge W.	bcco	ocbc	60	65	-	-	1.9	10.4			
Bournemouth	oc	cbc	58	65	Trace	-	1.0	5.7			
Ventnor	ofo	obc	60	64	-	-	0.9	7.5			
Southsea	pcbc	cbc	60	67	-	-	2.3	6.9			
Bognor Regis	bccoc	cvc	60	64	-	-	1.0	7.4			
Littlehampton	c	cbc	60	64	Trace	-	0.9	7.7			
Worthing	c	cbc	61	65	Trace	-	0.4	9.2			
Brighton	cb	bccbc	60	67	-	-	1.0	5.0			
Eastbourne†	c	cfc	60	67	-	-	2.2	10.2			
Hastings†	cbc	ocbc	60	67	-	-	3.0	11.7			
Folkestone	cbc	bcc	60	66	Trace	-	4.2	11.1			
Dover	cdb	cbccm	61	67	Trace	-	3.4	11.7			
Deal	ob	bcco	59	71	-	-	3.6	11.2			
Ramsgate	c	c	60	70	-	-	3.8	10.7			
Margate	cbc	bcc	60	73	-	-	3.5	10.1			
2 Southend	cbcc	c	61	76	-	-	3.5	9.1			
Claacton-on-Sea	ocbc	bcc	61	71	-	-	2.0				
Dovercourt	oc	bcc	61	72	-	-	2.1	10.0			
Lowestoft	c	c	60	74	1	-	0.9	10.1			
Skegness	co	oco	61	72	0.5	-	1.1	12.5			
Mablethorpe...	bco	o	61	73	1	-	2.3	11.7			
Cleethorpes	bcc	bcrc	62	73	Trace	Trace	2.0	11.7			
3 Leamington S.	oc	cbc	61	72	2	-	1.2	4.4			
4 Cheltenham†	oc	cbc	60	69	3	-	1.2	3.1			
5 Bath	c	cfc	60	66	0.3	-	2.2	2.3			
Weymouth	mo	o	58	63	-	-	0.1	1.0			
Jersey	cbc	bc	59	74	-	-	7.3	3.3			
Torquay	oid	ocbc	60	64	0.3	Trace	1.2	0.0			
Falmouth	oroed	odcp	59	64	1	Trace	0.8	0.8			
Penzance	dmc	cfc	59	64	1	Trace	0.1	0.4			
St. Ives	c	c	55	64	1	0.3	2.4	0.7			
Bude	cbc	bc	61	65	1	-	2.4	0.0			
Ilfracombe	rrro	ocbc	55	69	5	-	3.6	0.1			
6 Aberystwyth	cpr	prc	57	65	3	3	0.0	0.0			
7 Llandudno	crs	cpo	61	67	0.2	0.3	0.0	1.3			
Colwyn Bay	ccdc	pcddc	62	67	1	0.3	0.2	1.7			
Rhyl	cgrs	cldc	62	68	1	0.1	0.1	2.5			
8 Wallasey	ir	irc	60	66	2	3	0.0	4.7			
Southport	cirrr	coiro	60	66	1	4	0.1	4.4			
Blackpool	air	circ	61	67	2	4	0.0	4.5			
Morecambe	oir	odr	61	68	5	5	0.0	5.7			
9 Ilkley	oro	oro	61	68	1	2	0.2	7.1			
Harrogate	coir	crg	60	66	0.4	2	0.0	8.1			
10 Berwick-on-T.	oro	oirc	59	67	0.6	2	0.0	6.3			
11 Dunbar	omro	crs	59	66	Trace	2	0.0	1.7			
12 Troon	rrpprr	rrpprr	59	62	3	6	0.0	0.5			
Douglas	omrs	oraq	61	69	10	3	0.0	0.0			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th July, 1939.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th July, 1939.
1 S.E. England	Moderate southwest wind, fresh locally on coast; cloudy, occasional rain; local coast fog; rather warm and close.
2 E. England	
3 E. Midland	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	Moderate southwest wind; cloudy, some bright intervals; local rain; rather warm and close.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	Moderate southwest to south wind, fresh locally; bright intervals; thundery showers later; rather warm.
13 { A. W. Scotland B. N. W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Moderate southwest wind, veering west, fresh locally; bright intervals; thundery showers; rather warm.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Print. Cormwell House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. WEATHER SYMBOLS. For explanation see opposite page.

SEA DISTURBANCE. Rough. High.

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

GENERAL INFERENCE.

A complex depression extending from northwest of Ireland to Shetland is moving slowly east and a shallow trough of low pressure over the Midlands is moving very slowly southeast. There will be bright intervals and local thundery showers in the North and some rain in the South and Midlands.

FURTHER OUTLOOK.

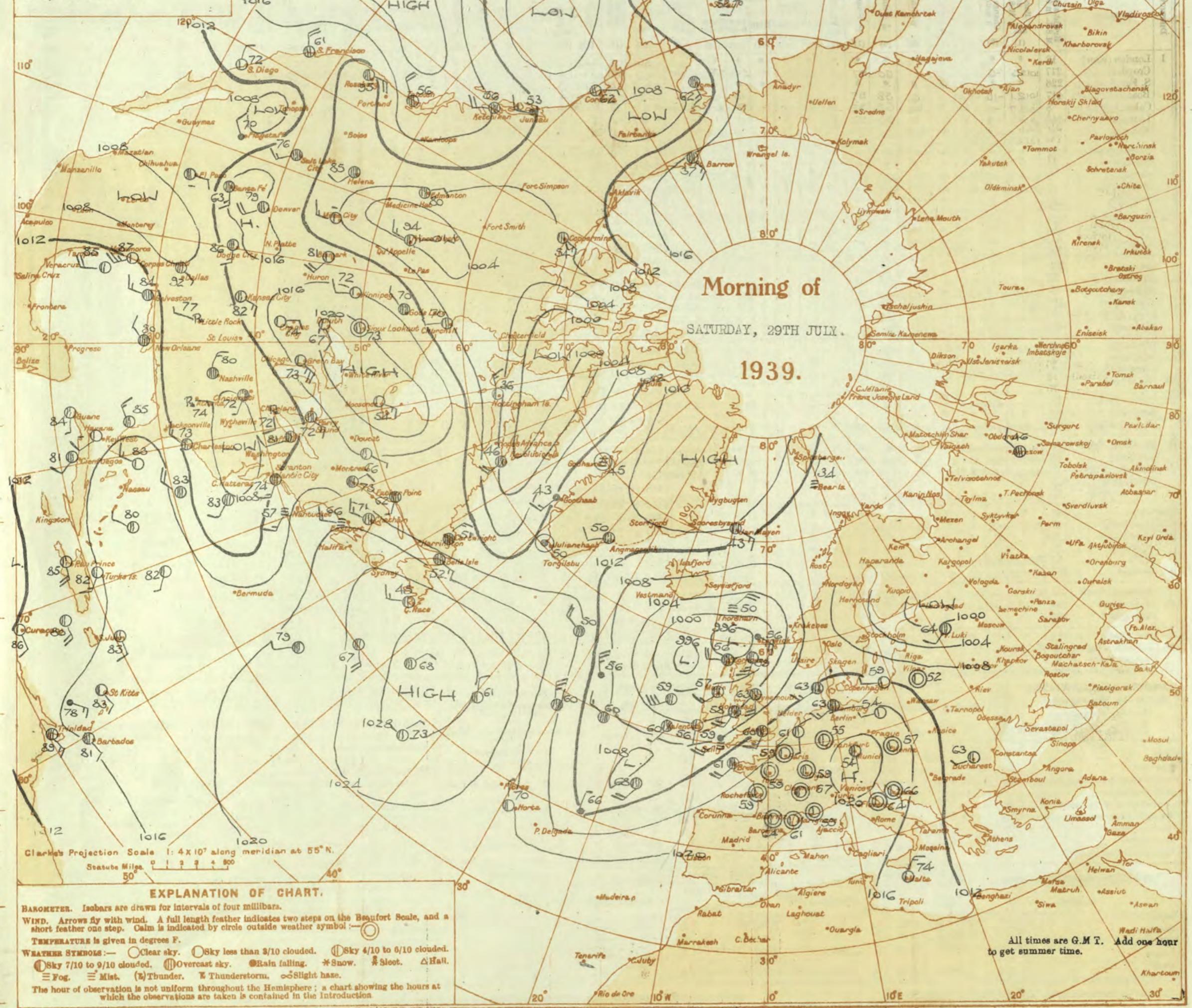
Unsettled.

Forecasts issued at 0930 G.M.T.

N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 29th July, 1939.
No. 28373.

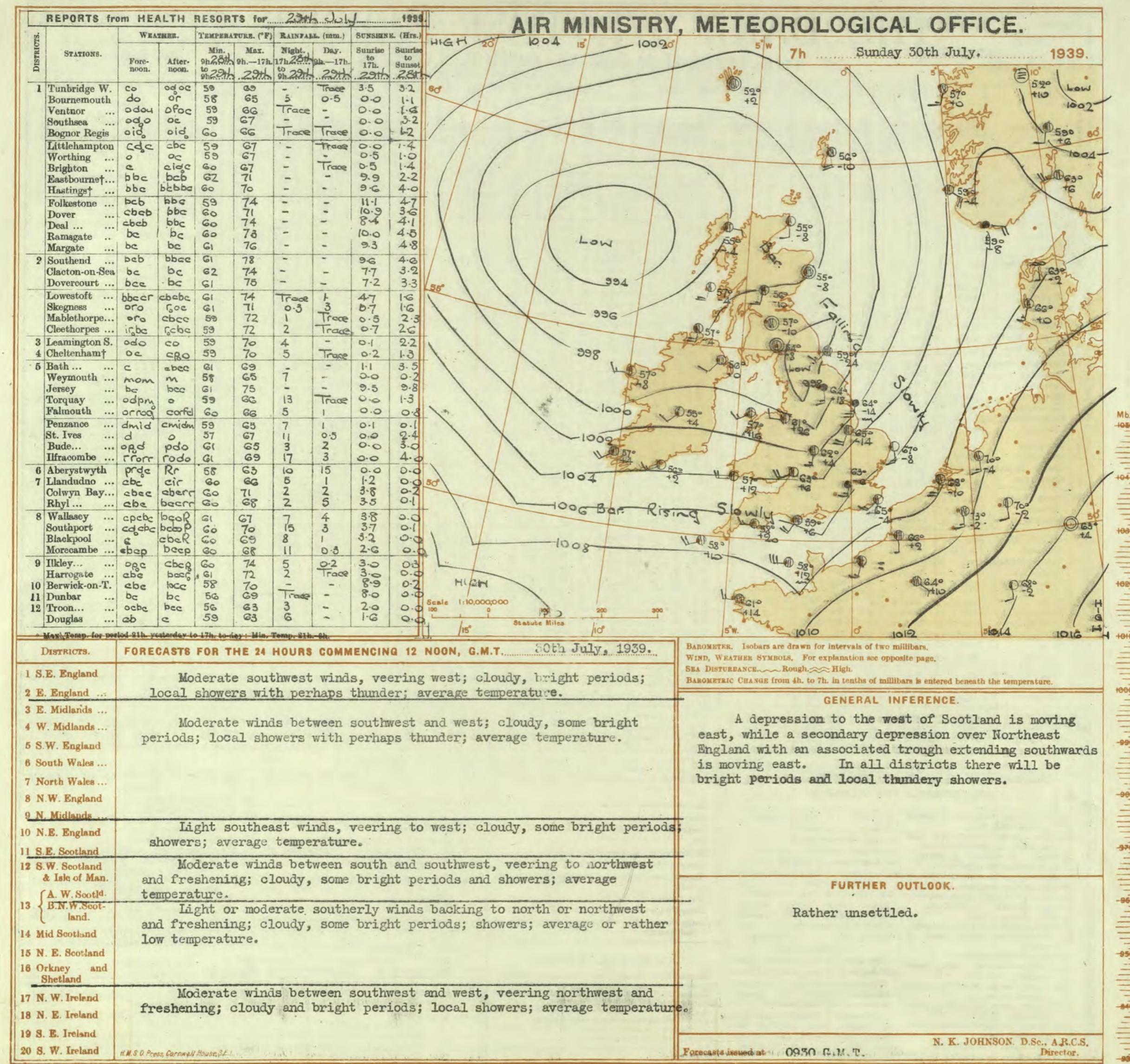
District.	STATIONS.	OBSERVATIONS at 1 hr. G.M.T. 29 th July												OBSERVATIONS at 7 hr. G.M.T. 29 th July												PAST 24 HOURS.														
		Wind.			Weather.			Cloud.						Wind.			Weather.			Cloud.						Temperature.				Rainfall.										
		Barom. mb. (1)	Change in 3 hours. (2)	Dir. (3)	0-12 (4)	Temp. °F. (5)	Humid. (6)	Visibility. 0-9 (7)	Low (9)	Med. (10)	High (11)	Total 0-10 (12)	Height of Base. (feet) (13)	Barom. mb. (15)	Change in 3 hours. (16)	Dir. (17)	0-12 (18)	Temp. °F. (19)	Humid. (20)	Visibility. 0-9 (21)	Low (23)	Med. (24)	High (25)	Total 0-10 (26)	Height of Base. (feet) (27)	State of Ground (28)	Sea. 0-9 (29)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Sun- shine 24 Hrs. (36)							
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1010.4	-8	SW's	3	C	G3	85	7	5	-	10	10	1500	0	*	69	60	5G	-	-	3.3						
	Croydon ...	217	1015.6	-6	s'w	3	c	60	97	7	5	3	-	2-3	7-8	4000	1011.0	-10	s'w	4	G2	92	7	5	5	5	1	2-3	450	0	*	69	58	5G	-	-	3.0			
	S. Farnborough ...	226	*	*	*	*	*	*	*	*	*	*	*	1010.5	+2	s'w	3	d.d.	G1	97	6	5	-	10	10	450	1	*	69	5G	49	-	Tr	0.9	3.1					
	Boscombe Down ...	417	1012.1	-10	SSW	3	bc	58	97	5	5	3	-	10	10	800	1009.5	-10	s'w	4	g	60	57	6	-	10	10	220	1	*	65	57	55	-	Tr	0.5	2.2			
	Calshot (Stntrn.) ...	8	1012.7	-18	s'w	3	bc	62	92	8	5	3	-	0	1	-	1011.1	0	SW's	4	d.d.	G1	97	5	5	5	9	0	0	78	0	*	66	59	58	-	0.5	6.0		
	Lympne ...	346	1014.1	-18	s'w	2	bc	60	92	8	5	3	-	0	4-6	-	1012.7	-4	s'w	3	c	G4	85	8	5	9	9	0	0	4000	0	*	70	59	57	-	1	4.9		
	Manton ...	154	1013.2	-12	s'w	3	bc	61	85	7	-	3	-	0	4-6	-	1011.6	-2	s'w	3	c	G5	85	7	5	7	5	0	0	4000	0	*	74	59	56	-	Tr	-	4.9	
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.7		
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.9		
	Gorleston ...	5	1011.3	-10	SSW	4	c	63	85	8	5	3	-	4-6	7-8	2500	1009.7	-2	SSW	4	c	G7	75	7	5	4	-	2-3	7-8	2500	0	*	73	62	60	-	Tr	0.9	0.9	
	Mildenhall ...	19	1010.6	-10	SSW	4	c	63	85	7	5	3	-	78	7-8	4000	1008.9	-2	SSW	4	c	G4	85	7	5	7	-	4-6	9+	2500	1	*	72	61	57	-	Tr	1.4	1.4	
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.1	4.3		
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.0			
4	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.2				
	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.1				
5	Hartland Point ...	299	1007.8	-12	s'w	5	rr	60	97	6	5	-	-	10	10	800	1006.8	+4	s'w	4	r	G6	97	3	-	-	10	10	450	1	*	65	60	59	-	11	3.1			
	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.2				
	Portland Bill ...	32	1011.9	-8	s'w	4	c	58	92	7	6	-	-	10	10	4000	1010.7	-12	s'w	3	r	G9	32	8	5	7	-	-	9	9+	800	1	*	65	60	57	-	3	*	0.0
	Plymouth ...	82	1011.0	-14	SSW	5	id.	59	97	6	5	-	-	10	10	450	1009.0	-6	s'w	4	d.f.	G0	97	2	-	-	10	10	450	1	*	60	59	59	-	2	0.0			
	The Lizard ...	240	1010.9	-8	s	5	c	59	97	5	5	-	-	10	10	1500	1008.7	-2	SSW	5	d.f.	G1	97	2	5	-	-	10	10	450	1	*	62	58	* Tr	1	0.3			
	Scilly (St. Mary's) ...	163	1009.1	-10	SW's	5	rr	59	97	3	-	-	-	10	10	450	1007.8	0	SW	4	r	G1	97	1	5	-	-	10	10	450	1	*	63	59	* Tr	9	0.2			
	Guernsey ...	175	1013.7	-14	s'w	2	bc	60	92	8	-	7	8	0	4-6	-	1012.1	-2	s'w	3	c	G0	97	8	5	7	-	4-6	7-8	800	0	*	69	57	56	-	7.5			
6	Pembroke ...	142	1006.5	0	SW's	5	F+	60	97	1	-	-	-	10	10	450	1006.7	+2	W's	2	F	59	97	1	-	-	-	10	10	450	1	*	60	57	* Tr	1	0.0			
7	Holyhead ...	26	1004.2	+2	s'w</td																																			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

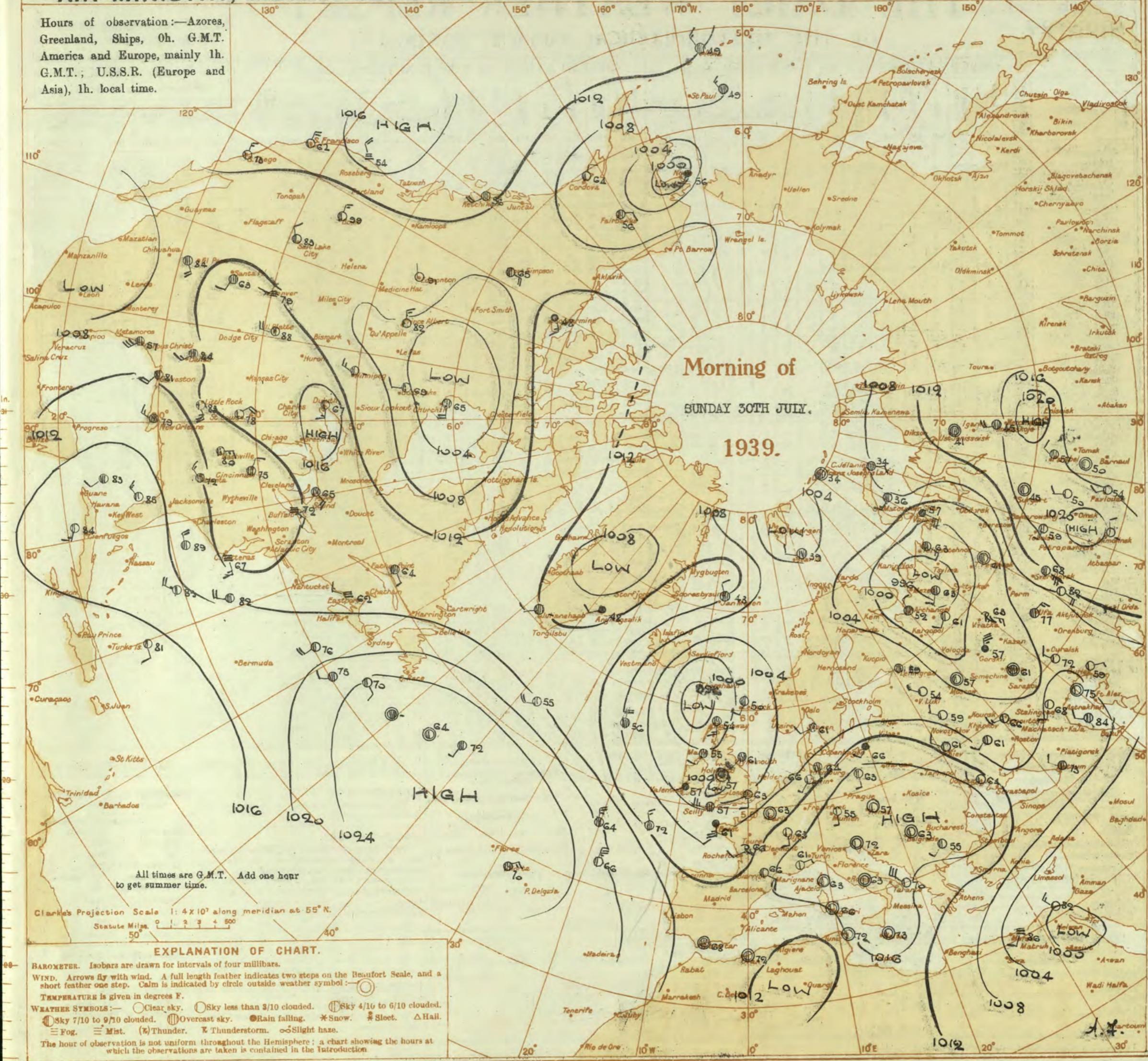
BRITISH SECTION
Sunday 30th July, 1939.
No. 28374

District.	STATIONS. (For heights see p. 4.)	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.		Wind. Dir. Force 0-12		Weather. Temp. °C Humid. 0-9		Cloud. Form Low Med. High				Amount. Low 0-10 Total 0-10				Height of Base (feet) (14)				Barom. at M.S.L. mb.		Wind. Dir. Force 0-12		Weather. Temp. °C Humid. 0-9				Cloud. Form Low Med. High				Amount. Low 0-10 Total 0-10				Height of Base (feet) (14)				State of Ground. 0-9		Sea. 0-9		WEATHER.	
		(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) ...	1010.1	-4	SWS	4	d	n	G5	85	8	5	-	-	5	5+	1500	1009.0	-8	SWS	3	e	G5	85	7	5	-	-	10	10	1500	0	*	cir	cpr	c	cpr	cpr	cpr							
	Croydon ...	1010.3	-2	S'W	3	d	d	G7	85	8	5	-	-	5	10	1500	1009.9	-6	SWS	3	d	G7	92	7	5	-	-	10	10	800	1	*	ocd	ocd	cd	cd	cd	cd							
	S. Farnborough	1010.1	-2	SSW	4	d	d	G4	92	6	5	-	-	10	10	800	1009.0	-10	S'W	3	i	G5	97	6	5	-	-	10	10	800	1	*	cd	cd	cd	cd	cd	cd							
	Boscombe Down	1009.3	-6	SSW	5	d	d	G3	92	6	5	-	-	10	10	450	1008.4	-6	SSW	4	d	G3	95	5	5	-	-	10	10	450	1	*	ojo	ojo	ojo	ojo	ojo	ojo							
	Calshot (Soton)	1011.2	-4	SWS	4	c	c	G5	92	7	5	-	-	10	10	800	1011.3	-10	SWS	4	c	G5	85	7	5	-	-	7.8	8	800	1	2	ojo	ojo	ojo	ojo	ojo	ojo							
	Lympne	1012.1	-2	SWS	4	c	c	G7	75	8	5	4	1	7.8	78	800	1010.2	-12	WSW	4	c	G2	75	9	1	4	9	1	7.8	2500	0	2	bcc	bcc	bcc	bcc	bcc	bcc							
	Manston	1010.5	-6	SWS	5	c	c	G7	55	8	1	4	1	1	2-3	2500	1009.5	-8	SWS	4	c	G1	71	75	8	1	5	6	2-3	7-8	2500	0	*	abbey	abbey	abbey	abbey	abbey	abbey						
2	Shoeburyness	1010.4	-10	SSW	4	bc	75	65	8	7	-	-	2-3	2-3	4000	1009.6	-6	SW	3	bc	G0	75	8	7	5	-	4-6	4-6	2500	0	*	cbe	cbe	bc	bc	bc	bc								
	Felixstowe	1009.3	-2	S'W	5	bc	76	65	8	5	9	-	4-6	4-6	2500	1009.1	-4	SWS	5	c	G0	75	8	5	4	-	4-6	3	1500	0	3	cbe	cbe	bc	bc	bc	bc								
	Georgetown	1008.6	-6	SWS	4	bc	72	75	7	5	-	-	4-6	4-6	4000	1007.8	-6	SWS	4	bc	G4	74	7	1	4	-	4-6	3	2500	0	3	cob	cob	bc	bc	bc	bc								
	Mildenham	1008.2	-6	SWS	4	c	72	75	7	5	-	-	9+	9+	2500	1007.6	-4	SWS	5	c	G0	75	7	7	5	1	9+	9+	1500	1	*	c	c	c	c	c	c								
	Cranwell	1007.0	-6	SSW	4	c	69	85	8	5	-	-	9+	9+	1500	1005.7	-14	SWS	4	c/pr	G9	85	9	5	3	1	4-6	9+	1500	1	*	cir	cir	c	c	c	c								
3	Birmingham	1007.1	0	S	3	i	65	85	7	6	-	-	10	10	800	1005.3	-10	S	4	c/r	G4	97	7	6	-	-	10	10	800	1	*	ojo	ojo	ojo	ojo	ojo	ojo								
4	Upper Heyford	1018.5	-8	SSW	4	c	67	85	8	5	7	-	5	10	800	1008.0	-4	S	4	c	G5	85	7	5	2	-	9+	10	800	1	*	cob	cob	c	c	c	c								
5	Ross-on-Wye	1007.0	-4	SSW	3	c	67	85	7	5	-	-	10	10	1500	1005.7	-6	S	3	c/d	G6	85	7	5	7	-	9+	10	1500	1	*	cob	cob	c	c	c	c								
	Hartland Point	1006.1	-10	SW	3	dF	62	97	1	-	-	-	10	10	1500	1004.1	-12	SW	5	c/r	G3	97	7	6	2	-	7-8	10	800	1	4	rfd	rfd	c	c	c	c								
	Bristol	1006.1	-4	SWS	3	c	68	85	8	5	3	-	7-8	9	2000	1006.0	-10	SSW	4	c	G5	85	8	5	7	-	7-8	9+	800	1	*	cob	cob	c	c	c	c								
	Portland Bill	1010.3	+2	S	4	o	61	92	6	5	-	-	10	10	1500	1009.0	-2	SSW	4	c	G1	92	7	5	-	-	10	10	4000	1	4	oduz	oduz	c	c	c	c								
	Plymouth	1008.6	-6	S	4	o/f	60	97	6	5	-	-	10	10	1500	1006.9	-14	S	4	a	G0	97	4	5	-	-	10	10	1500	1	*	omf	omf	c	c	c	c								
	The Lizard	1008.2	-6	S	5	c	61	97	5	5	-	-	10	10	1500	1006.1	-20	S'E	5	0/F	G1	97	1	5	-	-	10	10	220	1	3	dFF	dFF	c	c	c	c								
	Scilly (St. Mary's)	1002.3	-14	SSW	5	of-	60	97	5	5	-	-	10	10	1500	1003.9	-18	SSW	5	F	G1	97	1	5	-	-	10	10	1500	1	3	idFF	idFF	c	c	c	c								
	Guernsey																																												



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

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 30th July, 1939.

No. 28374

Distric.	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 15h. L.		Wind.		Weather.		Temp. °F.		Humid.		Visibility.		Cloud.			Barom. at M.S.L.		Wind.		Weather.		Temp. °F.		Humid.		Visibility.		Cloud.			Temperature.		Rainfall.		Sunshine 29th Hrs.	
		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	*	*	*	*	*	*	*	*	*	*	*	*	*	10048	-6 SW	3	c	64	52	7	5	-	-	10	1500	0	*	67	62	59	0.2	0.2	0.2				
	Croydon	217	10074	-14	s	i	c	63	57	3	5	4	*	-46	78	800	10053	-6 SSW	3	id	63	57	8	5	-	-	9+	800	1	*	68	61	59	Tr	Tr	2.2			
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10047	0 S'W	3	c/r	63	57	8	5	-	-	9+	800	1	*	65	61	58	1	0.3	0.0			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10050	+10 SW	4	z	60	52	6	5	-	-	9+	800	1	*	63	60	60	0.1	0.1	0.0			
	Calshot (Sohamtn.)	8	10089	-16 SE'S	2	b	62	85	3	-	3	-	0	1	-	10057	+8 SWN	4	c	62	52	7	6	-	-	9+	450	1	*	67	61	58	2	3	0.2				
	Lympne	346	10080	-10 SE'S	1	bc	61	82	7	-	1	0	2	-3	-	10073	-4 SW	3	bc	65	55	8	5	-	-	5	0	23	-	0	72	60	57	12	12	8			
	Manston	154	10080	-10 SE'S	1	bc	61	82	7	-	1	0	2	-3	-	10060	-2 SW	3	bc	68	75	7	-	3	1	0	23	-	0	70	60	53	-	-	11.3				
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10056	-10 SW	3	c	63	55	8	5	7	-	-	23	78	1500	0	*	76	62	52	-	-	10.8	
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10053	-14 S	4	bc	68	75	7	1	9	5	Tr	46	5700	0	2	76	63	60	-	-	6.3		
	Gorleston	5	10072	-2 SW	3	bc	64	85	8	-	4	-	0	46	-	10051	-8 SE	3	bc	67	75	7	1	4	1	0	46	-	0	2	76	62	61	0.1	0.1	6.7			
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10037	* S	3	c	65	85	8	5	7	-	-	46	78	4000	1	*	74	62	58	Tr	0.3	37	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10021	-14 SW	4	c	65	92	6	8	4	-	9	3	1500	1	*	73	63	60	Tr	2	1.2		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10021	+4 S	3	c	62	92	8	9	-	-	7.8	78	800	1	*	67	62	61	1	1	0.0		
4	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10040	+2 WSW	3	c/d	62	97	8	6	7	-	-	9+	10	800	1	*	69	61	60	Tr	3	*	
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10028	+6 WSW	4	bc	63	85	8	8	4	-	-	23	46	2500	1	*	68	62	61	0.1	0.2	0.2	
5	Hartland Point	299	10010	-18 SW	6	c/r	63	92	7	6	2	-	78	10	800	10048	+18 W	5	c	58	92	8	7	-	-	2	7.8	78	1500	1	4	65	56	55	4	5	0.0		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10047	+18 WSW	4	id	59	92	8	5	-	-	9+	1500	1	*	69	58	56	Tr	5	1.5			
	Portland Bill	32	10052	-20 SW	4	rr	60	92	7	5	-	-	10	10	2500	10056	+6 SW	4	c	59	92	7	5	7	-	-	7.8	10	4000	1	3	62	56	54	0.1	7	*		
	Plymouth	82	10044	-6 WSW	4	m	58	87	4	5	-	-	10	10	1500	10070	+6 SW	3	bc	57	97	8	8	6	-	-	46	46	2500	1	2	62	55	54	0.4	2	0.0		
	The Lizard	240	10044	-6 WSW	4	m	58	87	4	5	-	-	10	10	1500	10063	+10 WSW	4	c/pr	58	97	8	8	6	-	-	46	7.8	1500	1	3	63	55	54	1	2	0.0		
	Scilly (St. Mary's)	183	10043	+16 WNW	5	c	57	97	7	5	-	-	9+	1500	10063	+10 WSW	4	c	58	92	8	8	3	-	-	46	7.8	450	1	4	69	57	58	-	3	55			
	Guernsey	175	10069	-20 SW	4	pr	61	97	8	8	3	-	7.8	10	800	10074	+12 W	6	c	58	92	8	8	3	-	-	46	7.8	450	1	4	69	57	58	-	3	55		
6	Pembroke	142	10006	-6 SW	4	dF	60	97	1	1	-	-	10	10	<150	10038	+12 W	4	bc	57	97	7	8	7	-	-	46	46	1500	1	3	61	54	54	2	18	0.0		
7	Holyhead	26	10000	-18 -	-	0	pr	57	97	8	8	2	-	2.3	9+	1500	10050	+16 SWN	3	c	57	97	8	7	7	-													

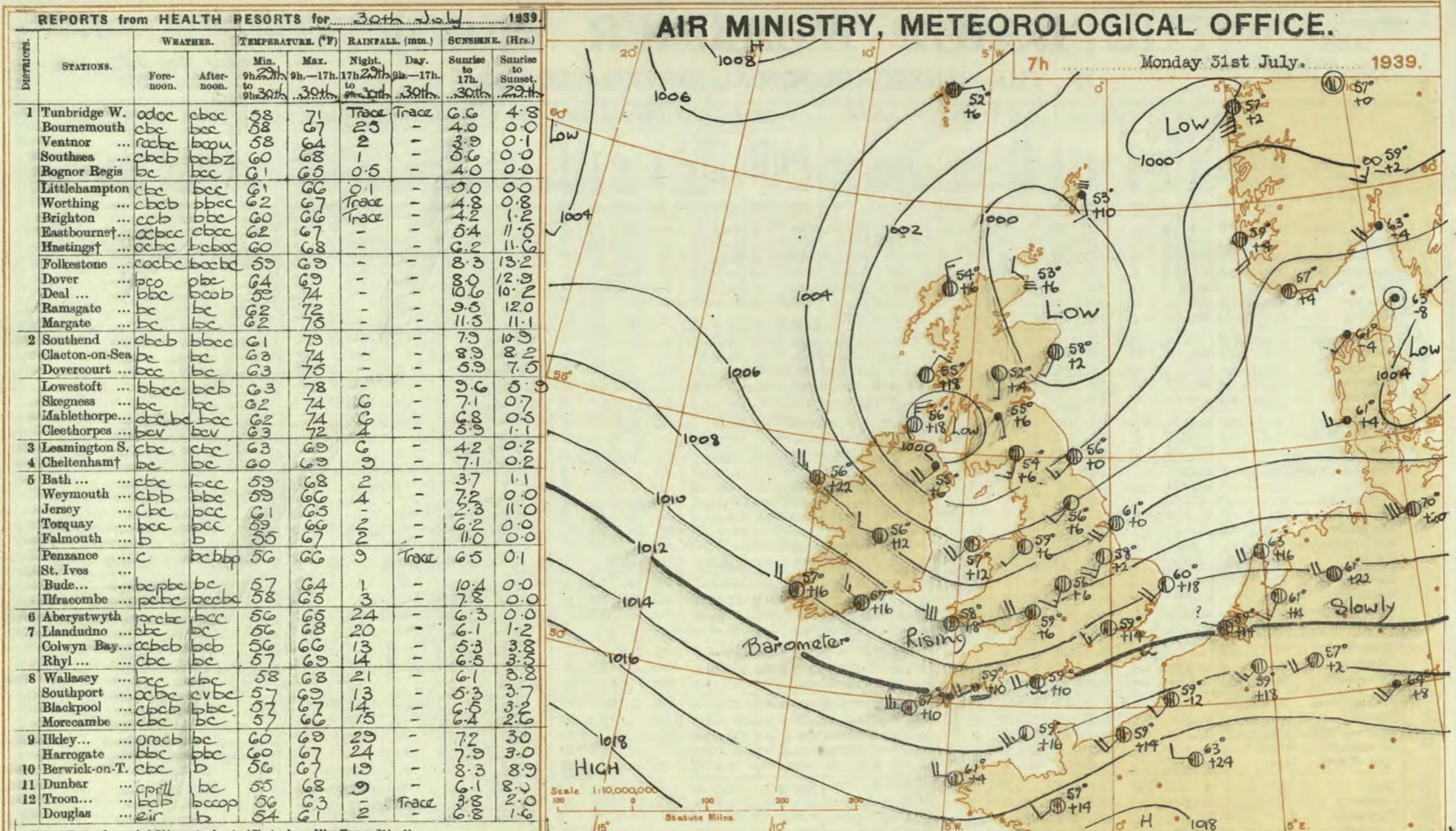
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 31st July, 1939.
No. 28375

DISTRICT.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 30th July												OBSERVATIONS at 18h. G.M.T. 30th July												PAST 24 HOURS.								WEATHER.																	
		Barom. mb. (1)		Wind. Change in 3 hours. (2)		Temp. °F (3)		Humid. % (4)		Cloud. Form Low (5)				Amount. Low Med. High (6)				Height of Base (feet) (7)				Barom. mb. (15)		Wind. Change in 3 hours. (16)		Weather. Wind. (17)		Cloud. Form Low (18)				Amount. Low Med. High (19)				Height of Base (feet) (20)				State of Ground. (21)		Sea. 0-9 (22)		WEATHER.							
		Dir. 0-12 (8)		Dir. 0-12 (9)		Dir. 0-12 (10)		Dir. 0-12 (11)		Dir. 0-12 (12)		Dir. 0-12 (13)		Dir. 0-12 (14)		Dir. 0-12 (15)		Dir. 0-12 (16)		Dir. 0-12 (17)		Dir. 0-12 (18)		Dir. 0-12 (19)		Dir. 0-12 (20)		Dir. 0-12 (21)		Dir. 0-12 (22)		Dir. 0-12 (23)		Dir. 0-12 (24)		Dir. 0-12 (25)		Dir. 0-12 (26)		Dir. 0-12 (27)		Dir. 0-12 (28)		Dir. 0-12 (29)		WEATHER.					
1	London (Kew) ...	1006.8	+8	w	3	c	69	55	8	7	-	6	4-6	9	2500	1006.9	-2	sw	4	c	67	75	8	5	2	-	2-3	10	1500	0	*	cbbc	c	cbbc	bcbaw																
	Croydon ...	1006.8	+6	w's	3	c	70	75	8	2	-	5	3	4000	1007.5	-2	sw's	3	c	66	75	8	4	7	8	Tr	9+	4000	1	*	cida	bew	cbbbw	bew																	
	S. Farnborough	1006.8	+3	wsW	4	c	69	65	9	8	3	6	4-6	9	4000	1007.5	-2	sw's	3	c	65	75	8	8	7	-	1	10	4000	0	*	cbbcv	cybc	cbbw	bwbew																
	Boscombe Down	1006.9	+6	w's	3	c	69	65	8	3	-	8	4-6	5	2500	1007.5	-4	sw'w	4	c	68	75	7	8	2-3	9+	800	1	*	c	c	cbbc	bew																		
	Calshot (Soton.)	1008.0	+4	sso's	4	r	66	75	8	3	2	2-3	9	2500	1008.2	-2	sw'w	4	c	62	75	8	1	2	8	4-6	9+	800	1	*	c	c	cbbc	bew																	
	Lympne	1008.4	+2	sw	4	bc	68	75	9	1	3	-	1	2-3	2500	1008.5	-4	sw'w	3	c	64	75	9	-	7	G	0	9	-	0	1	3	bebbc	bew	orrebew	bewcp															
	Manston	1006.8	+2	ssw	4	bc	72	65	8	2	4	5	2-3	4-6	1500	1006.8	-6	sw	3	c	67	75	8	8	7	3	Tr	9	4000	0	*	cbe	cby	bey	bocwbc																
2	Shoeburyness	1006.8	-2	ssw	4	bc	73	65	8	1	4	-	2-3	4-6	2500	1006.8	-4	sw's	3	c	69	75	8	8	1	-	1	7-8	2500	0	*	bebbc	bccv	cvb	bbeaw																
	Felixstowe	1005.7	+2	ssw	5	bc	75	55	8	2	5	1	2-3	4-6	2500	1006.3	-2	sw	4	c	71	75	8	8	3	8	4-6	9	1500	0	2	bebbc	beye	cic	cbe																
	Gorleston	1004.6	0	sw's	4	bc	74	55	7	3	-	4-6	4-6	2500	1005.6	+2	w	2	bc	75	55	7	-	5	0	4-6	-	1000	0	2	bocbey	bey	bcc	cbe																	
	Mildenhall	1004.8	+2	wsW	5	c	69	55	8	2	7	9	4-6	4-6	4000	1005.6	-6	w's	3	c	68	65	8	2	7	9	2-3	7-8	1500	0	*	bc	bc	bcc	bbeaw																
	Cranwell	1004.2	+18	wsW	3	c	69	65	7	8	4	3	4-6	7-8	2500	1004.6	0	sw'w	3	c	68	65	8	8	4	3	2-3	7-8	2500	0	*	cme	cbe	cbr	bbec																
3	Birmingham	1005.4	+6	sw	4	c	68	65	8	8	6	-	4-6	5	2500	1005.7	+2	sw	3	c	68	65	8	8	-	4	4-6	7-8	2500	1	*	cpr	cbbc	bcb	bcb																
4	Upper Heyford	1006.1	+10	w's	4	c	68	65	8	8	-	6	4-6	7-8	2500	1006.9	+6	wsW	3	c	65	65	9	8	6	9	7-8	9	2500	1	*	cbe	cbbc	cbbc	bcc																
	Ross-on-Wye	1005.9	+10	sw'w	4	c	68	75	8	8	-	3	7-8	7-8	4000	1006.7	+8	sw's	4	c	64	65	8	1	-	6	1	7-8	4000	1	*	bebbc	cbbc	bcc	bcc																
5	Hartland Point	1006.5	+8	wsW	5	c	60	52	8	7	4	-	4-6	7-8	1500	1007.1	+2	w	5	c	60	85	8	8	-	7-8	7-8	1500	1	2	cpr	cbbc	c	cprbc																	
	Bristol	1007.0	+10	wsW	5	pr	64	65	8	7	8	4-6	7-8	1500	1007.3	+2	w	4	c	63	75	8	8	7	8	2-3	7-8	2500	1	*	cpr	cabc	bcb	bbaopr																	
	Portland Bill	1005.1	+22	sw	4	c	60	52	7	5	4	-	4-6	10	4000	1007.8	-1	sw	4	c	60	92	8	5	4	-	4-6	10</																							



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st July, 1939.	
1 S.E. England	Wind southwest, veering west, moderate; cloudy with brighter periods; local thundery showers; fairer generally tomorrow; temperature rather below average.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind west to northwest, moderate or fresh; bright periods; scattered local showers; temperature average to rather low.
6 South Wales	
7 North Wales	
8 N.W. England	Wind southwest, moderate to light, veering west to northwest; cloudy; occasional rain or rather frequent showers with local thunder; bright periods tomorrow; rather cool.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 A. W. Scotland B.N.W. Scotland	Wind variable to northerly, light to moderate; occasional rain or frequent showers; cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Wind northwest, moderate; variable sky, bright periods; local showers, especially in the North; rather cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M.S.O. Press, Cornwall House, S.E.1.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Weather Symbols. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex area of low pressure extending from Scandinavia to Scotland is moving slowly east and becoming less deep, and will be followed by a feeble ridge of higher pressure from the Atlantic. There will be occasional rain or rather frequent showers in the northern half of the country and more localised showers and brighter periods further south. Thunder is expected locally.

FURTHER OUTLOOK.

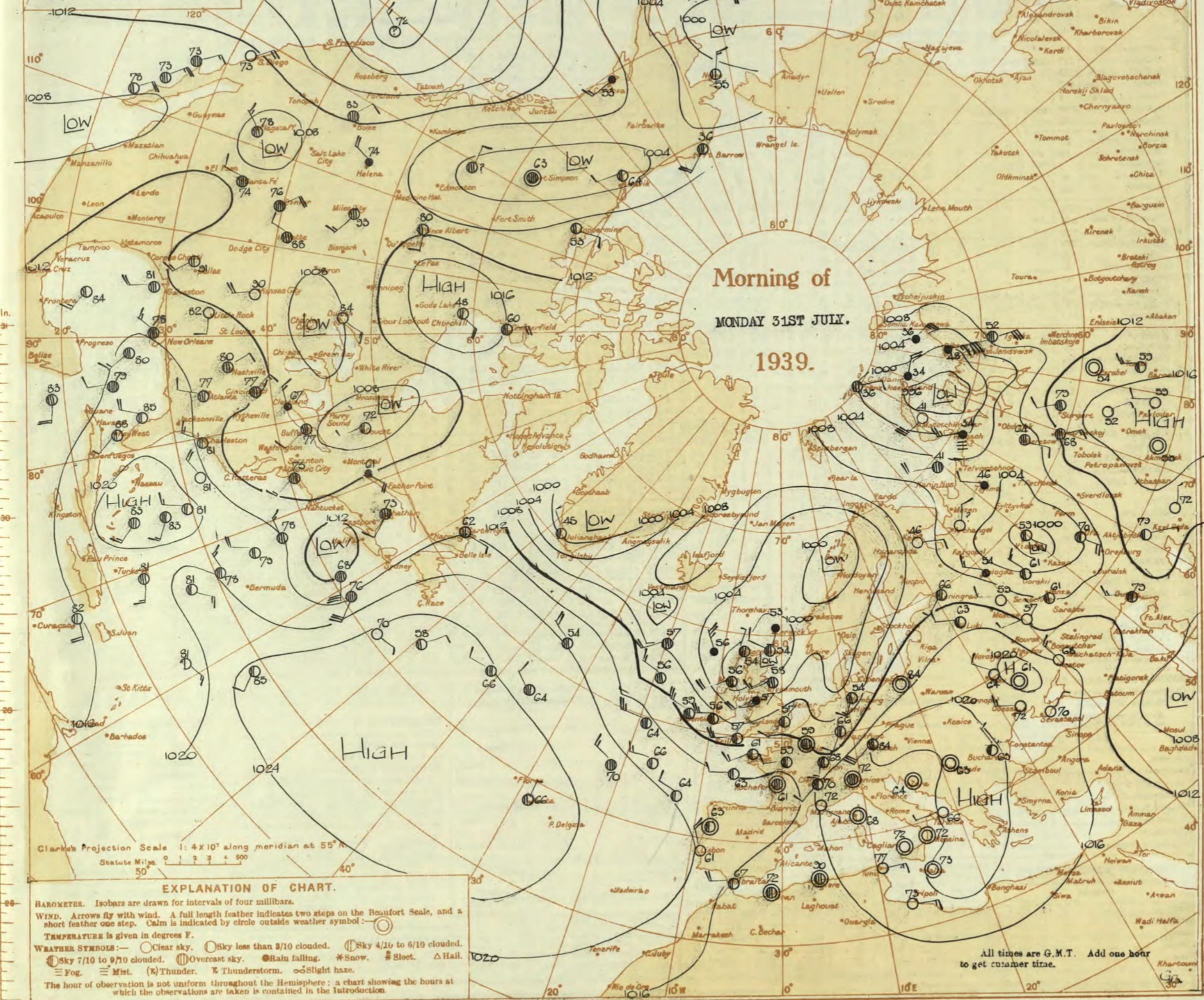
Unsettled.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T.
America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 31st July, 1939.
No. 28375

LONDON OBSERVATIONS			Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine. to Sunset. hrs.	Humidity.		Atmospheric Pollution.				EXPLANATION OF FIGURES, LETTERS, etc.																											
				Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day hrs.	Night hrs.	15b. G.M.T. %	9h. G.M.T. %	Visibility 9h. gb.	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. 31st.																															
KENW...	18	cbbc	cbbc	bcbbow	72	57	52	-	-	7.6	*	*	8	SOUTH KENSINGTON.																														
CRYDON	217	cid,boc	cvt,c	bcw	72	55	52	Tr-	-	5.3	*	*	8	Max. Time. Min. Time.																														
GREENWIC (Royal Observatory)...	... ... ...	149	cycv	cbc,yu	cbc	75	55	47	-	-	5.1	49	65	8	<0.3 whole period																														
CITY (Bunhill Row)	-	*	*	*	*	*	*	*	*	*	5.5	*	*	*	Kew Observatory.																														
WESTMINSTER (St. James Park)	27	*	*	*	*	73	57	53	-	*	6.0	67	71	*	Max. Time. Min. Time.																														
REGENTS PK. (Botanic Gardens)	168	*	*	*	*	74	56	50	-	-	6.8	54	73	*																															
CAMDEN M. (Shale)	110	bc	bc	*	*	76	56	53	-	-	*	*	71	*	Max. Time. Min. Time.																														
KENSINGTON	80	bc	c	*	*	75	56	52	-	-	6.5	At 18h	69	*	<0.1 whole period																														
HAMPSTEAD OBSERVATO	450	bc	bc	c	*	71	54	50	-	-	6.0	57	79	*																															
FOREIGN OBSERVATIONS.			18h. G.M.T. 30th July			7h. G.M.T. 31st July			Past 24 Hours.																																					
STATIONS.			Wind.		Barom.		Temp.		Wind.		Barom.		Wind.		Weather.		Temp.		Max. Day °F.		Min. Night °F.		Rainfall.																							
			Berom. mb.	Dirac.	Force.	Weather.	Temp. °F.	Berom. mb.	Direc.	Force.	Weather.	Temp. °F.	Day mm.	Night mm.	Day mm.	Night mm.																														
PARIS	1007.5	SSW	3	c	75		1013.9	SW	3	c	77	81	*	0.3																															
BRUSSELS	1011.3	SSW	4	bc	80	1001.0	SSW	4	bc	75	90	G4	*	*																															
BERLIN	1012.7	NE'E	1	b	82	1018.0	WSW	1	bc	68	88	G4	-	-																															
ZURICH	(1018.6)	-	0	b	77	1019.9	NE	2	b	70	*	*	-	-																															
ROME																																													
TERMS OF SUBSCRIPTION.			single Copies, 1d. each; by post 1 <i>½</i> d. 2 <i>½</i> per month; 6 <i>½</i> per quarter; 2 <i>½</i> per year.																		N. K. JOHNSON, D.Sc., A.R.C.S., Director.																									
METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON W.C.2																					EXPLANATION OF FIGURES, LETTERS, etc.																									
COLUMNS 2, 16.																					COLUMNS 8, 22—Code for surface visibility.																									
The barometric tendency is expressed in tenths of a millibar.																					Objects not visible at																									
0 Dense fog 55 yards.																					55 yards.																									
1 Thick fog 220 "																					220 "																									
2 Fog 550 "																					550 "																									
3 Moderate fog 1,100 "																					1,100 "																									
4 Mist or haze 1 <i>½</i> miles.																					1 <i>½</i> miles.																									
5 Poor visibility 2 <i>½</i>																					2 <i>½</i>																									
6 Moderate " 6 <i>½</i>																					6 <i>½</i>																									
7 Good " 12 <i>½</i>																					12 <i>½</i>																									
8 Very good " 31 "																					31 "																									
9 Excellent " beyond 31m.																					beyond 31m.																									
COLUMNS 4, 18.																					COLUMN 30—Code for State of Sea.																									
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.																					0 Calm. 5 Very rough.																									
1 Smooth. 6 High.																					1 Smooth. 6 High.																									
2 Slight. 7 Very high.																					2 Slight. 7 Very high.																									
3 Moderate. 8 Precipitous.																					3 Moderate. 8 Precipitous.																									
4 Rough. 9 Confused.																					4 Rough. 9 Confused.																									
COLUMNS 34, 35.																					Tr. = rain has fallen, but amount less than 0.1 mm.																									

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each; by post 1½d.
2/6 per month; 6/6 per quarter; 25/- per year

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

N. K. JOHNSON, D.Sc., A.R.C.S., Director.