

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1938.



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	0h. or 1h. G.M.T.

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.)	1h. local time.
30° E. to 170° W.	0h. 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:—

- Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.
- Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.
- Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).
- 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.

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	64-73
12	Hurricane		Above 75

GALE WARNINGS.

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

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point. 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 North Cone will be hoisted if the gale is expected to change to a Northerly direction. For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

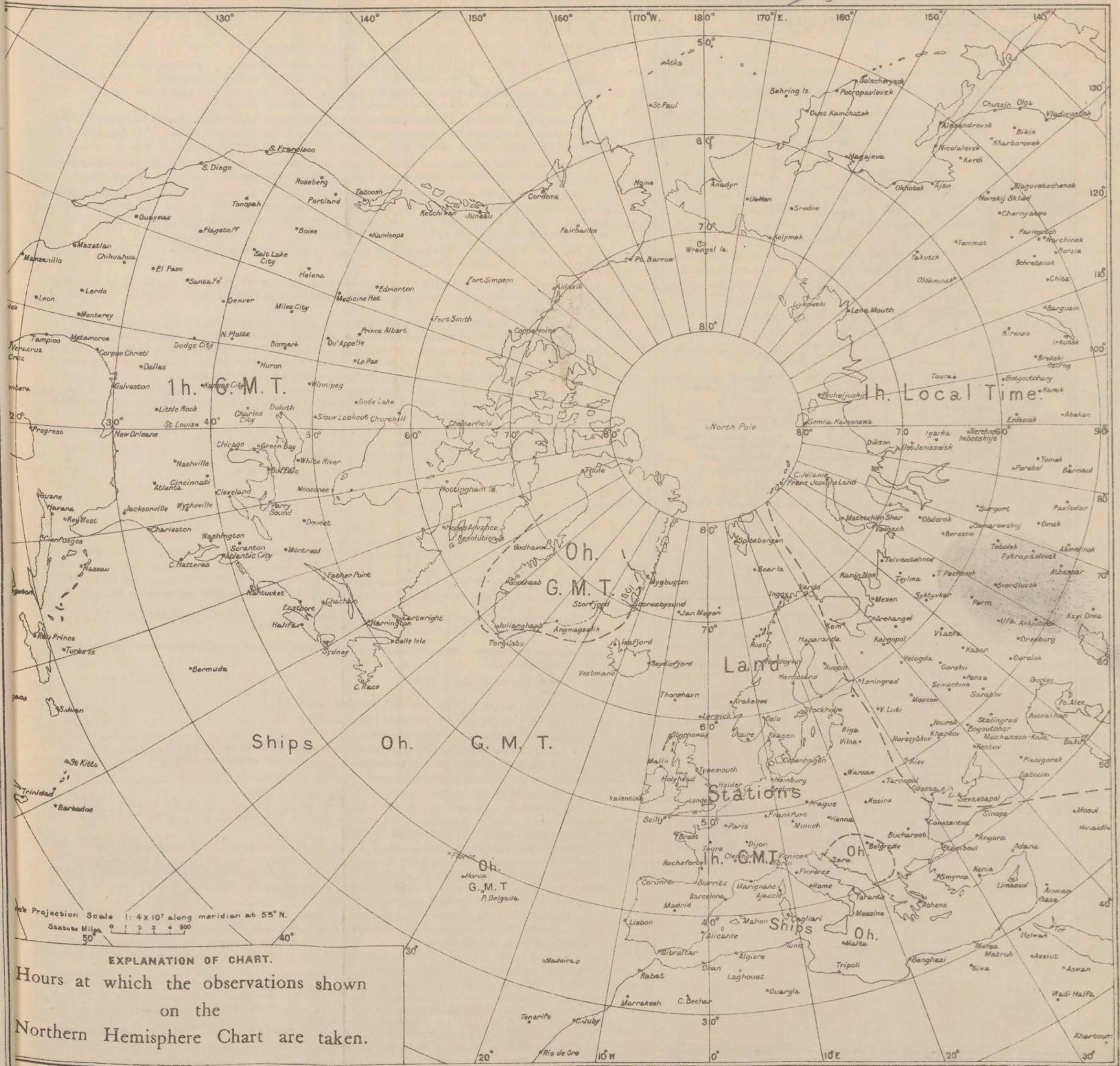
The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply:—

▲ North Cone hoisted:

▼ South Cone hoisted:

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

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FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS and the Counties comprised within them.

- | | | | |
|--|--|--|--|
| 1. England, S.E.
Kent.
Sussex.
Surrey.
Hampshire.
Berkshire.
Wiltshire. | 6. Wales, S.
Glamorgan.
Brecknock.
Carmarthen.
Pembroke.
Cardigan.
Radnor. | 12. Scotland, S.W., and Isle of Man.
Isle of Man.
Dumfries.
Kirkcudbright.
Wigtown.
Ayr.
Lanark.
Renfrew.
Dumbarton.
Stirling. | 16. Orkneys and Shetlands. |
| 2. England, E.
Essex.
Middlesex.
Hertford.
Bedford.
Huntingdon.
Cambridge.
Suffolk.
Norfolk.
Lincoln. | 7. Wales, N.
Montgomery.
Merioneth.
Flint.
Denbigh.
Carnarvon.
Anglesey. | 13A. Scotland, W.
Argyll.
Bute. | 17. Ireland, N.W.
Galway.
Roscommon.
Mayo.
Sligo.
Leitrim. |
| 3. Midlands, E.
Buckingham.
Oxford.
Northampton.
Warwick.
Leicester.
Rutland.
Nottingham. | 8. England, N.W.
Cheshire.
Lancashire.
Westmorland.
Cumberland. | 13B. Scotland, N.W.
Hebrides.
Western parts of Inverness.
Ross and Cromarty.
Sutherland.
(Boundary line runs from Rannoch Station through Fort Augustus, Beaulieu and Lairg to Melville). | 18. Ireland, N.E.
Meath.
West Meath.
Longford.
Cavan.
Fermanagh.
Monaghan.
Louth.
Armagh.
Down.
Antrim.
Londonderry.
Tyrone.
Donegal. |
| 4. Midlands, W.
Gloucester.
Hereford.
Worcester.
Shropshire.
Stafford. | 9. Midlands, N.
Derby.
Yorkshire, W. | 14. Mid. Scotland.
Perth. | 19. Ireland, S.E.
Waterford.
Wexford.
Kilkenny.
Carlow.
Wicklow.
Offaly.
Leix.
Kildare.
Dublin. |
| 5. England, S.W.
Dorset.
Somerset.
Monmouth.
Devon.
Cornwall. | 10. England, N.E.
Yorkshire, N. & E.
Durham.
Northumberland. | 15. Scotland, N.E.
Kincardine.
Aberdeen.
Banff.
Elgin.
Nairn.
Caithness.
Eastern parts of Inverness.
Ross.
Sutherland. | 20. Ireland, S.W.
Cork.
Kerry.
Limerick.
Tipperary.
Clare. |

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

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

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

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where raingauges 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.

Holyhead.—As from 10th February, 1934, as the result of a series of comparisons with another gauge surrounded by a turf wall, the raingauge at this very exposed station was moved a short distance from its former position, and surrounded with a standard turf wall, with a view to increasing the catch to that appropriate to the locality.

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

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

The wind at a height of 1,500-2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1.015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

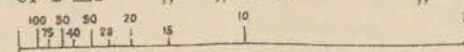
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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

GEOSTROPHIC WIND SCALE FOR

8 mb isobars on 1 : 4 × 10⁷ Charts.

or 2 mb " " 1 : 10⁷ " "



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1.015 mb. Temperature, 50° F. Latitude, 55°.

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

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

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

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

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

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

where x is the vapour pressure in mb.

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

The 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. Until and including 29th March, 1936, the number of feathers on the arrows denotes wind force by Beaufort number. From 30th March, 1936, 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, Adastral House, Kingsway, W.C.2, price 5s. 2d. post free. (Reprinted 1933).

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

Exceptionally mild with record high temperatures.

Under the influence of anticyclonic conditions persisting over Central Europe, warm southerly winds in the first few days of the month resulted in abnormally high temperatures over almost the whole of the country. On the 5th, maximum readings of 70 °F were reached locally in Southeast England and are the highest ever recorded in November, while maxima of 64 °F at Aberdeen on the 4th, and 68 °F at Greenwich, 67 °F. at Birmingham and 66 °F at Kew and Lympne on the 5th are the highest November readings since records began. Minimum night temperatures were also much above average in general and on several occasions equalled the normal day maximum for November.

Gales were experienced in all parts of the country and were particularly prevalent in the west and north in the first half of the month. Depressions took a more southerly course during the last ten days and gales occurred in the southern half of the country. On the 23rd a southwesterly gale swept across Ireland, Wales and England and exceptionally high gusts were registered, (108 m.p.h. at Pembroke). The gale on the 19th was also severe in exposed places, particularly on west Scottish coasts, a gust of 98 m.p.h. being recorded at Stornoway.

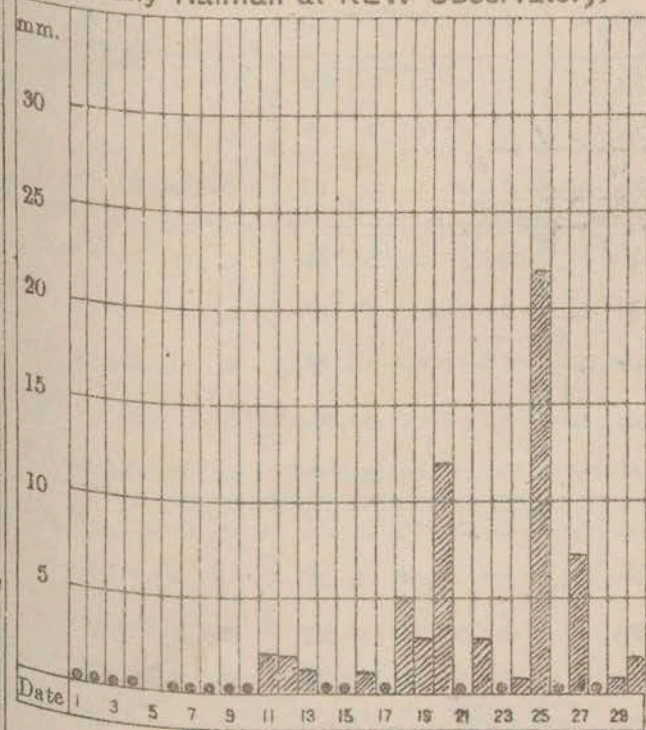
Rainfall was below average in East Kent and East Anglia and in parts of East Scotland and was above average in all other areas

especially in Devonshire where twice the normal average was recorded at Torquay and Plymouth. In southern Scotland rainfall was also well above average, the monthly total of 290 mm. at Eskdalemuir and 205 mm. at Renfrew constituting new high records for the month. Rainfall was particularly heavy during the night of 25th-26th in S. Devon, Torquay reporting a fall of 51 mm. Wintry precipitation was rare during the early part of the month but was more general in the west and north between 19th and 25th, snow being reported lying to a depth of 4 inches on high ground in Southern Scotland during the 23rd.

Thunderstorms occurred locally on 1st and between 19th and 26th.

Sunshine totals were above normal in N. Wales, parts of E. Scotland and the Midlands where Birmingham reported about 40% in excess and Sealand with a total of 89 hours established a new high record. In most other places sunshine was deficient, especially in S.W. Ireland, parts of southern England and in Southern Scotland, where Eskdalemuir with a total of 28 hours had a new low record.

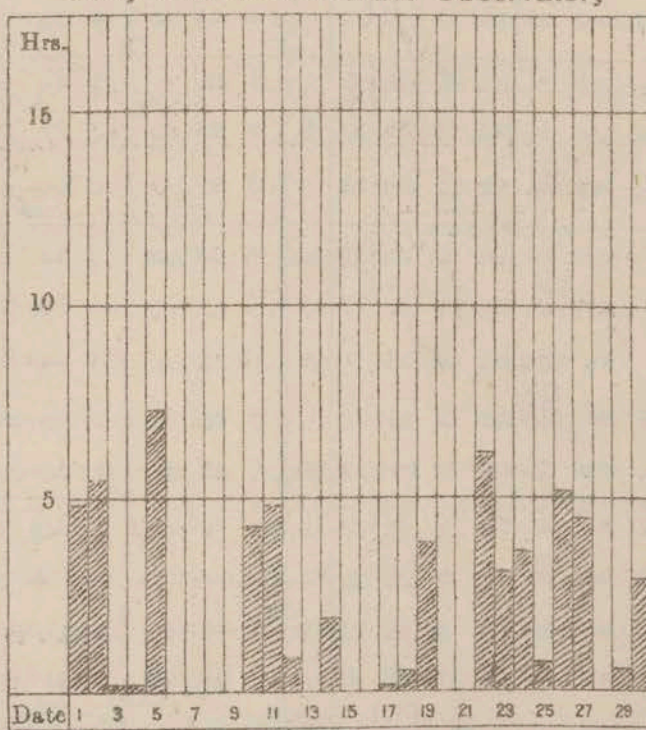
Daily Rainfall at KEW Observatory.



* = Less than 0.5 mm.

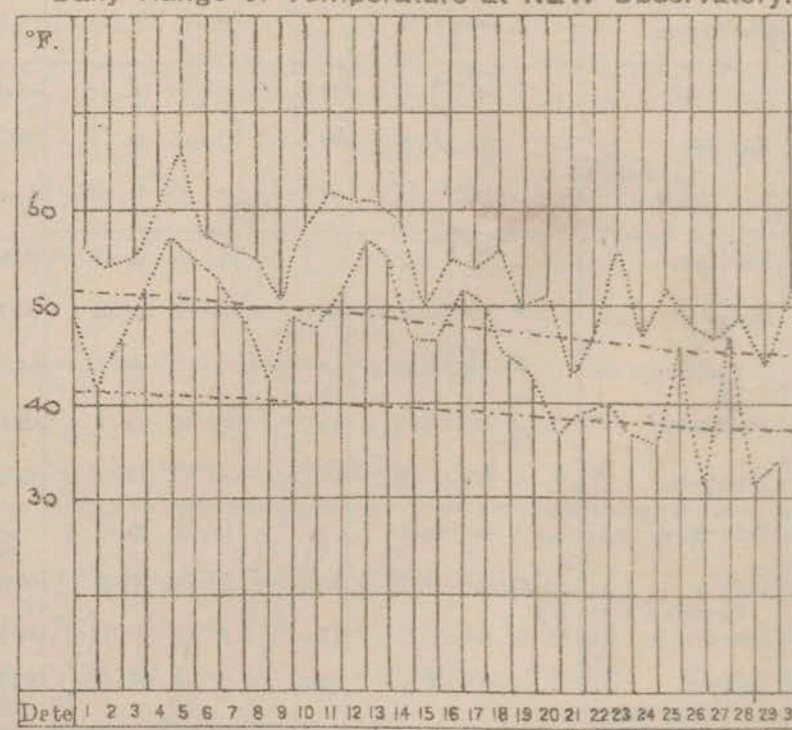
RAINFALL. Total for Month. 64 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 62 hrs.

Daily Range of Temperature at KEW Observatory.



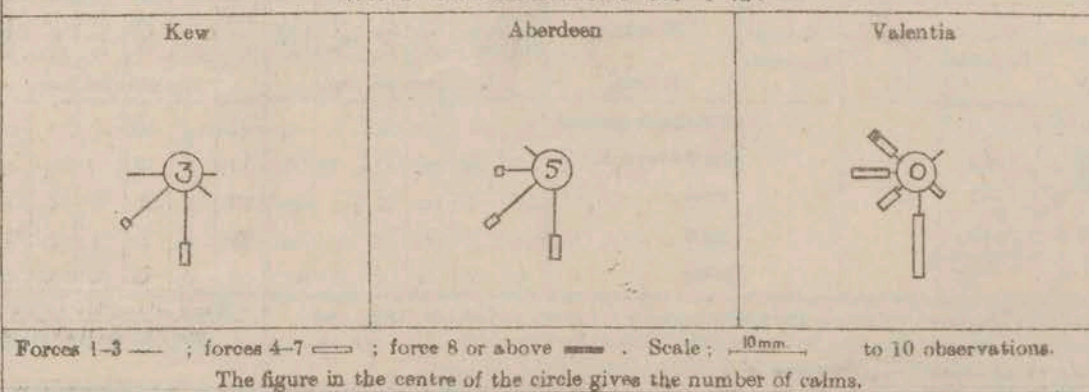
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1010.9	mb. -3.7	°F. 43.7	°F. +5.4
Aberdeen	999.7	-10.1	45.4	+3.1
Valentia	1005.3	-7.7	50.9	+3.4

* Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 13 h. duly corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



Forces 1-3 — ; forces 4-7 — ; force 8 or above — . Scale: 10 mm. to 10 observations.
The figure in the centre of the circle gives the number of calms.

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

	miles.
Kew	6,678
Aberdeen	6,477
Lerwick	16,186
Valentia	12,122

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.																
							Days.				Nights.																							
		Maximum.			Average Maximum.	Minimum.			Average Minimum.	Highest Max.		Lowest Max.		Highest Min.		Lowest Min.		Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.				13 h.					
33° - 41°	42° - 50°	51° - 59°	60° - 68°	24° - 32°		33° - 41°	42° - 50°	51° - 59°		Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date.	Lowest Min.	Date.		Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.
1	London ... (Kew Obsy). Croydon ... Calshot** ... (Southampton) Lympne ...	0 9 16 5	45.6	2 6 14 8	40.0	66 5 43 21	57 13 32 29	6	2 25 0	3 21 0	1 22 0	0 0 2 1 13	0 1 2 1 17.8																					
		1 6 16 7	43.1	1 8 12 9	33.4	68 5 41 26	58 5 32 27	1	6 13 0	3 19 2	5 14 7	0 1 0 2 18	0 1 0 0 12																					
		0 4 22 4	50.1	0 7 10 13	41.5	62 5 43 26	58 13 33 27	1	9 18 1	5 23 0	8 20 0	0 0 0 2 20	0 0 0 0 22																					
		0 9 20 1	47.9	0 10 13 7	33.4	66 5 45 24	55 13 33 27	3	11 14 2	6 20 1	8 14 2	0 3 4 1 17	0 1 0 1 19																					
2	Shoeburyness ...	0 8 17 5	43.2	0 8 13 9	39.0	68 5 47 24	57 14 35 29	6	5 16 0	2 23 2	3 14 0	0 1 0 0 14	0 1 0 1 15																					
	Gorleston ...	0 8 18 4	48.6	0 10 14 6	40.8	68 5 42 29	57 5 34 22	0	2 24 0	2 23 0	1 18 0	0 1 0 2 4	0 1 0 1 3																					
	Cranwell ...	0 11 14 5	47.1	1 14 11 4	37.1	66 5 45 27	58 13 32 27	7	5 21 0	6 15 2	4 19 0	1 1 1 1 14	0 1 0 1 12																					
3	Birmingham ... (Edgbaston)	0 12 14 4	46.9	0 12 12 6	39.0	67 5 44 27	55 5 33 27	3	8 14 0	3 23 0	3 20 0	0 0 0 0 16	0 0 1 1 20																					
4	Ross-on-Wye ...	1 8 14 7	48.4	1 10 11 8	39.0	64 5 40 21	58 13 32 27	6	1 26 0	2 28 0	3 23 0	0 0 1 0 22	0 0 0 1 24																					
5	The Lizard ...	0 4 26 0	*	0 0 16 14	*	59 12 48 24	56 13 42 29	*	5 25 0	4 26 0	4 26 0	0 1 2 1 23	0 0 1 2 22																					
7	Holyhead ...	0 10 17 3	43.7	0 0 18 12	44.4	61 10 48 26	55 13 42 27	0	4 26 0	4 26 0	7 21 0	0 0 0 0 29	0 0 0 1 26																					
8	Chester ... (Sealand)	0 9 13 8	48.3	0 13 9 8	38.2	67 5 44 20	58 13 33 27	6	2 25 0	2 27 1	1 28 0	0 0 1 2 18	0 0 0 1 20																					
10	Tynemouth ...	0 15 10 5	47.5	0 13 9 8	40.4	63 6 43 27	58 13 34 22	1	3 27 0	0 30 0	1 29 0	0 0 1 0 15	0 0 0 4 6																					
11	Leuchars ...	3 13 12 2	46.7	4 13 9 4	36.3	61 15 39 21	55 6 27 22	10	5 22 0	5 24 1	2 26 1	0 1 0 3 21	0 0 0 0 23																					
12	Renfrew ...	2 14 12 2	46.1	3 13 9 5	36.1	60 13 41 23	54 7 27 22	5	6 22 0	1 29 0	3 27 0	0 2 1 2 17	0 0 1 4 17																					
	Eskdalemuir ...	5 12 13 0	43.9	5 13 9 3	34.3	58 4 38 24	53 13 26 21	8	18 12 0	16 14 0	12 18 0	0 1 0 1 17	0 0 0 0 24																					
13	Stornoway	3 15 12 0	47.2	0 15 9 6	39.6	57 5 41 24	55 6 33 23	*	0 30 0	1 29 0	0 30 0	0 0 0 0 26	0 0 0 0 27																					
15	Aberdeen	2 15 11 2	46.2	4 12 11 3	38.3	64 4 39 26	55 7 28 22	9	7 23 0	8 20 0	10 11 0	0 0 0 0 16	0 0 0 1 14																					
18	Aldergrove ...	1 14 15 0	*	2 12 9 7	*	59 12 41 21	54 6 31 22	6	10 18 1	9 20 1	8 20 1	0 0 0 0 23	0 0 0 0 23																					
19	Dublin ... (Phoenix Park) Birr Castle ...	0 10 13 7	43.8	2 14 5 9	36.9	65 5 42 24	57 5 30 26	7	* * *	* * *	* * *	* * * * *	* * * * *																					
		0 12 13 5	48.6	1 11 7 11	38.2	61 5 42 24	57 5 32 22	8	6 18 0	4 26 0	6 23 0	0 0 0 0 30	0 0 0 0 30																					
20	Valentia ... (Cahiriveen)	0 11 18 1	51.2	0 5 12 13	43.7	60 12 47 26	57 11 38 21	0	10 20 0	9 21 0	8 22 0	0 0 0 0 21	0 0 0 0 23																					

UPPER AIR TEMPERATURE.

UPPER WINDS.

No. of records of Velocity (km./hr.) within fixed limits.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	MILDENHALL.		ALDERGROVE.		STATION		LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD.						RENFREW.						STATION.	
			Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	No. of Obs.	5 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	5 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	5 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	5 to 25	26 to 50	51 to 75	76 to 100	Above 100	Height. Metres.
950	1,740	42.0	47.0	45	45.3	43			500 above ground.	75	21	30	20	2	0	45	10	28	6	1	0	55	6	32	17	0	0	71	10	24	31	0	0	500 above ground.
850	4,960	34.2	40.4	45	37.2	43			1000 above M.S.L.	60	14	26	13	5	1	27	6	12	7	2	0	36	3	21	10	1	0	42	4	10	18	6	2	1000 above M.S.L.
750	7,950	25.3	30.2	45	25.5	43			2000 "	27	8	14	5	0	0	9	3	3	2	0	1	9	0	5	4	0	0	11	1	3	1	5	1	2000 "
650	11,620	14.2	18.4	44	13.2	43			3000 "	14	5	6	3	0	0	4	1	1	1	0	1	2	0	1	1	0	0	6	1	2	2	1	0	3000 "
550	15,750	0.3	4.5	44	1.2	43			4000 "	6	2	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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, M.Sc., A.R.C.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY NOVEMBER 1938.

Page 3.

District.	STATIONS.	SUNSHINE.												RAINFALL.														Days with Thunder.	Days with Snow or Sleet.							
		Number of Days with Duration.				Maximum Duration.		Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.			† Number of days with amount.				Maximum fall in 24 hrs.		Total for past 12 months.	Difference from Average.	Total for Month.†	Difference from Average.	Highest and Lowest Totals on record for Month.											
		Nil.	0.1—3h.	3.1—6h.	6.1—9h.	Above 9h.	Hours.					Date.	First year of record.	Highest.	Year.	Lowest.	Year.	0, trace or 0.1 mm.	0.2—1 mm.	1.1—5 mm.					5.1—15 mm.	15.1—25 mm.	Above 25 mm.			mm.	Date.	mm.	Date.	First year of record.	Highest.	Year.
1	London (Kew Obsy).	10	9	9	2	0	7.3	5	1434	-35	62✓	+9	1880	81	83	26	32	14	4	8	3	1	0	22	25	463	-143	64✓	+8	1856	130	26	10	58	0	0
	Croydon	10	10	7	3	0	7.3	5	1403	-122	57✓	+5	1922	83	23	28	32	15	4	5	5	0	1	27	25	628	-51	96✓	+27	1921	160	29	24	32	0	0
	Calshot** (Southampton)	7	14	8	1	0	6.8	22	1626	-120	52✓	-21	1881	109	23	31	88	10	6	5	8	1	0	20	25	625	-21	103✓	+36	1871	176	35	13	79	0	0
	Lympne	11	14	3	2	0	6.9	2	1727	-38	47✓	-22	1921	108	25	35	34	9	7	9	4	1	0	23	25	762	+38	78✓	-3	1920	173	26	26	32	1	0
2	Shoeburyness	10	13	6	1	0	7.6	5	1574	-142	47✓	-19	1919	104	20	43	36	16	6	5	3	0	0	9	20	456	-47	36✓	-18	1920	105	29	17	20	0	0
	Gorleston	8	12	8	2	0	8.2	8	1532	-111	62✓	-4	1908	106	20	37	12	17	6	3	4	0	0	11	25	503	-119	58✓	-3	1871	208	78	20	20	0	0
	Cranwell	3	12	11	3	0	7.8	8	1420	-118	88✓	+22	1921	97	25	38	32	11	13	1	5	0	0	14	20	555	-35	47✓	0	1917	124	35	22	20	0	0
3	Birmingham (Edgbaston)	6	11	9	4	0	6.9	5	1235	-69	83✓	+37	1887	93	13	13	12	12	6	4	8	0	0	12	25	640	-34	86✓	+25	1893	181	28	17	20	1	0
4	Ross-on-Wye	5	14	8	3	0	7.3	1	1427	-58	73✓	+10	1915	108	23	26	34	14	2	5	9	0	0	11	25	527	-190	81✓	+17	1859	227	29	14	33	0	0
5	Falmouth (Observatory)	9	15	3	3	0	7.6	8	1599	-111	53✓	-23	1881	145	23	36	17	1	10	6	10	2	1	35	25	1005	-102	177✓	+55	1871	340	29	21	01	2	0
7	Holyhead	7	14	8	1	0	6.8	9	1507	-43	65✓	+1	1914	124	25	36	22	6	7	7	6	4	0	21	12	953	+66	151✓	+46	1871	204	77	38	22	0	0
8	Chester (Sealand)	4	12	11	3	0	7.4	1	1369	-7	89✓	+36	1923	79	23	34	34	9	7	10	3	1	0	18	25	662	+1	82✓	+21	1922	116	29	27	22	1	0
10	Tynemouth	7	12	9	2	0	7.0	6	1273	*	68✓	*	1935	*	*	*	*	14	4	10	2	0	0	9	20	677	+56	52✓	-2	1915	112	33	19	22	0	0
11	Leuchars	6	13	8	3	0	6.8	2	1439	-31	73✓	+3	1922	101	25	46	33	10	6	9	4	1	0	18	8	754	+101	86✓	+28	1922	129	31	13	37	0	0
12	Renfrew	11	18	1	0	0	5.9	20	1239	+46	29✓	-15	1921	60	27	28	36	5	2	7	12	4	0	21	18	1253	+314	205✓	+106	1921	181	31	14	37	2	1
	Eskdalemuir	9	19	2	0	0	3.3	2	1152	-49	28✓	-27	1910	89	25	31	16	4	1	9	9	5	2	51	12	1974	+545	296✓	+143	1910	286	31	30	37	0	8
13	Stornoway	11	15	4	0	0	4.3	20	1160	-55	30✓	-16	1881	67	11	19	61	2	3	15	9	1	0	15	3	1309	+43	145✓	-3	1870	250	38	45	33	0	1
15	Aberdeen	7	11	10	2	0	6.6	2	1326	-3	74✓	+15	1881	83	04	32	24	14	3	10	1	2	0	18	23	762	+14	68✓	-7	1871	164	72	31	04	0	0
18	Aldergrove	13	10	7	0	0	4.9	28	1210	*	45✓	*	1927	77	30	44	37	5	7	9	9	0	0	14	8	911	+73	103✓	+21	1928	135	31	18	34	0	0
19	Dublin (Phoenix Park)	2	13	12	3	0	6.8	28	1196	-241	83✓	+12	1881	104	35	36	88	13	6	8	2	1	0	24	12	669	-33	65✓	-7	1865	159	16	10	22	0	0
	Birr Castle	6	15	9	0	0	5.5	26	1175	-131	56✓	-5	1881	95	09	26	17	6	3	13	8	0	0	15	30	1045	+218	119✓	+40	1862	157	31	21	22	0	1
20	Valentia (Cahiriveen)	7	19	4	0	0	3.9	1	1282	-86	36✓	-27	1880	118	09	33	17	2	1	9	16	2	0	18	25	1545	+131	185✓	+46	1866	310	31	20	79	1	0
		* Total for 23 days only. Record for 24th not available.																																		

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 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	7	11	10	0	2	0	0	0
Ross-on-Wye	0	1	5	9	11	3	1	0	0	0
Falmouth (Obsy.)	5	8	7	9	1	0	0	0	0	0
Renfrew	0	2	14	13	1	0	0	0	0	0
Eskdalemuir	0	1	12	14	3	0	0	0	0	0
Aberdeen	0	0	5	8	14	3	0	0	0	0
Valentia	2	2	7	5	12	2	0	0	0	0

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

STATIONS.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.
London (Kew)	0	30	0	0	0	0	0	0	0	0	0 Dry.
Ross-on-Wye	0	30	0	0	0	0	0	0	0	0	1 Wet.
Renfrew	0	27	3	0	0	0	0	0	0	0	2 Flooded.
Eskdalemuir	0	24	5	1	0	0	0	0	0	0	3 Frozen hard and dry.
Aberdeen	1	28	0	1	0	0	0	0	0	0	4 Partly covered with snow or hail.
Valentia	0	30	0	0	0	0	0	0	0	0	5 Covered with ice or glazed frost.
											6 Covered with thawing snow.
											7 Covered with snow, less than 6 ins., but ground not frozen.
											8 Covered with snow, less than 6 ins., and ground frozen.
											9 Covered with snow, greater than 6 ins. deep.

** The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

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

PRESSURE: ICELAND TO GULF OF LIONS

NOVEMBER

1938.

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 19h. are plotted consecutively and joined to show 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.

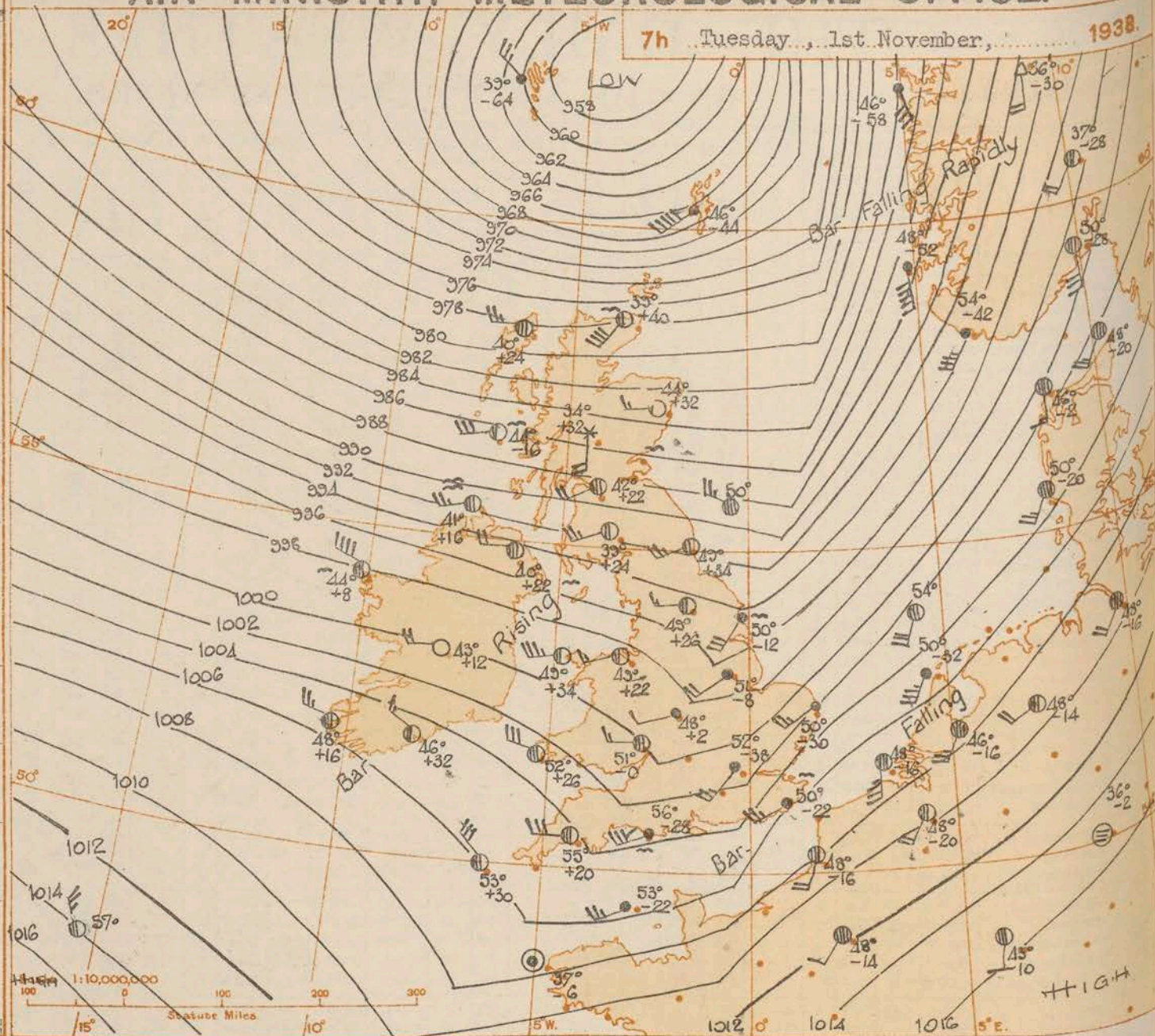
Distance.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 31st October														OBSERVATIONS at 18h. G.M.T. 31st October														PAST 24 HOURS.																		
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility mi.	Cloud.				Height of Base (feet)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility mi.	Cloud.				Height of Base (feet)	State of Ground.	Sea.	WEATHER.																		
				Dir.	Force					Form.	Amount.	Dir.	Force				Form.	Amount.					Form.	Amount.	Form.	Amount.				7h.-13h. 31st.	13h.-18h. 31st.	18h. to 1st Nov.	1st Nov.															
																																		Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)															
	(For heights see p. 4.)																																															
1	London (Kew)	1015.4	-12	SW	3	2	52	75	6	5	3	-	7-8	9+	4000	1014.0	-4	SSW	2	2	51	75	6	5	-	9+	9+	2500	1	*	cm, wcm,	cm,	cm,	cm, cdo														
	Croydon	1015.6	-8	WSW	3	c	52	75	6	5	-	-	9+	9+	5700	1014.5	-10	SW	3	2	51	75	6	5	-	10	10	4000	1	*	c	c	c	c														
	S. Farnborough	1015.4	-14	SW	3	c	52	75	6	5	-	-	9+	9+	4000	1014.2	-10	SW	3	c	51	75	6	5	-	10	10	4000	1	*	cm	cm	cm	c														
	Boscombe Down	1015.2	-14	WSW	3	c	53	75	6	5	-	-	7-8	9	1500	1014.8	-4	SSW	3	c	50	75	6	5	-	10	10	4000	1	*	cm	c	c	c														
	Calshot (Stmntn.)	1016.9	-4	SSW	3	c	55	75	6	5	7	-	4-6	7-8	2500	1015.6	-6	SW	2	c	52	75	6	5	-	7-8	9+	4000	1	*	c	c	c	c														
	Lymington	1016.6	-6	SW	2	c	52	65	6	5	3	-	7-8	9	4000	1016.2	-2	SW	2	c	48	75	6	5	-	9+	9+	4000	1	*	bc, bc	c	c	c														
	Manston	1016.3	-6	WSW	2	c	53	65	6	5	7	-	4-6	9+	2500	1015.1	-6	SSW	2	c	49	75	6	5	-	9+	9+	4000	1	*	bc, cm	ccm	ccw	c														
2	Shoeburyness	1015.5	-6	WSW	2	c	52	75	6	5	7	-	7-8	9+	2500	1014.7	-4	SSW	3	c	51	75	6	5	-	7-8	9+	2500	1	*	cm, cm	cm	cm	cm														
	Felixstowe	1015.3	-4	SW	2	2	52	75	6	5	7	6	4-6	9+	4000	1014.4	-2	SSW	3	2	51	75	6	5	-	0	4-6	-	0	3	bc, bc	cm, bc	bc, cm	c														
	Gorleston	1014.1	-8	WS	2	c	51	75	6	5	3	-	4-6	7-8	2500	1012.0	-6	SW	3	bc	47	75	6	5	-	0	4-6	-	1	2	bc, bc	bc, bc	bc, bc	c														
	Mildenhall	1013.9	-10	SW	4	2	53	75	6	5	7	-	7-8	9+	5700	1012.8	-6	SSW	3	2	50	75	6	5	-	9+	9+	4000	0	*	bc	cm	cm	c														
	Cranwell	1013.0	-6	WSW	3	2	51	75	6	5	7	-	4-6	9+	5700	1011.3	-10	SW	3	2	49	75	6	5	-	9	10	4000	1	*	cm	cm	cm	c														
3	Birmingham	1013.5	-6	WSW	3	c	52	75	7	5	-	-	9+	9+	2500	1011.3	-10	S	2	c	49	75	6	5	-	9+	9+	800	1	*	c	c	c	c														
	Upper Heyford	1014.5	-16	WSW	3	c	54	75	7	5	3	-	4-6	9	2500	1013.3	-8	SSW	2	c	49	75	6	5	-	9+	9+	1500	1	*	c	c	c	c														
4	Ross-on-Wye	1014.3	-10	SW	3	c	53	75	7	5	-	-	10	10	2500	1011.8	-12	SW	3	c	51	75	6	5	-	7-8	7-8	2500	1	*	c	c	c	c														
5	Marland Point	1014.8	-14	W	4	bc	52	75	8	5	-	2	4-6	4-6	1500	1011.9	-16	W	5	c	51	75	6	5	-	4-6	9+	1500	1	3	c	c	c	c														
	Bristol	1015.8	-8	WSW	2	id.	51	75	7	5	-	-	10	10	1500	1013.6	-12	SW	3	c	51	75	6	5	-	9+	9+	1500	1	*	c	c	c	c														
	Portland Bill	1015.8	-12	WSW	3	c	53	75	8	5	4	-	4-6	9	2500	1015.1	-10	WSW	4	c	54	75	6	5	-	10	10	2500	1	3	c	c	c	c														
	Plymouth	1016.6	-10	WSW	3	c	54	75	8	5	3	-	7-8	9+	1500	1014.5	-10	WSW	3	c	52	75	6	5	-	7-8	10	1500	1	3	c	c	c	c														
	The Lizard	1017.2	-10	SW	3	bc	56	75	8	5	6	-	2-3	4-6	2500	1014.9	-6	SW	4	bc	51	75	6	5	-	4-6	4-6	1500	1	2	c	c	c	c														
	Scilly (St. Mary's)	1016.9	-10	WS	4	c	56	75	9	8	3	-	4-6	7-8	2500	1014.1	-16	SW	4	c	52	75	6	5	-	4-6	7-8	1500	1	2	c	c	c	c														
	Guernsey	1017.5	-6	WNW	1	o	53	75	7	5	-	-	10	10	2500	1016.5	-6	WS	1	c	52	75	6	5	-	9+	9+	2500	1	1	c	c	c	c														
6	Pembroke	1014.3	-8	SW	5	c	53	75	7	5	-	-	7-8	7-8	1500	1010.8	-16	SW	6	c	53	75	6	5	-	9	9	1500	1	3	c	c	c	c														
	Holyhead	1011.0	-14	SW	5	c	54	75	8	7	3	-	7-8	9+	2500	1006.8	-26	SSW	5	c	53	75	6	5	-	7-8	9+	1500	1	2	c	c	c	c														
	Chester (Sealand)	1012.1	-10	SSW	4	c	55	65	8	5	2	-	7-8	10	2500	1009.4	-16	S	2	c	52	75	6	5	-	9+	9+	2500	1	*	c	c	c	c														
	Manchester	1011.6	-14	SW	3	c	54	75	7	5	7	-	7-8	10	4000	1009.1	-14	SW	3	c	51	75	6	5	-	9	10	1500	1	*	cm	c	c	c														
10	Spurn Head	1012.0	-2	SW	3	c	53	75	8	5	8	-	4-6	7-8	2500	1010.1	-10	SSW	3	c	48	75	6	5	-	2-3	10	1500	0	2	cm	cm	cm	c														
	Catterick	1009.7	-10	SW	3	c/d	52	75	8	5	8	-	9	9+	1500	1007.2	-6	SW	3	c	52	75	6	5	-	10	10	1500	1	*	c	c	c	c														
	Tynemouth	1008.6	-10	SW	3	c	53	65	6	5	-	-	9+	9+	1500	1005.8	-8	SW	3	c	52	75	6	5	-	7-8	7-8	1500	1	4	c	c	c	c														
11	St. Abbs Head	1005.8	-10	SW	3	c	49	75	8	5	6	-	4-6	9+	2500	1002.9	-8	SSW	3	c	49	75	6	5	-	4-6	9	2500	0	3	c	c	c	c														
	Leuchars	1004.5	-12	SW	3	c	50	75	7	5	7	-	4-6	10	2500	1000.8	-26	SSW	3	c	50	75	6	5	-	9	10	1500	1	*	bc, wcm	cm, cm	cm, cm	c														
	Rentrow (Abbots I.)	1005.5	-12	SW	4	c	52	75	7	5	7	-	7-8	10	2500	1001.5	-20	SSW	4	c	52	75	6	5	-	9	10	1500	1	*	cm	cm	cm	c														
	Eskdalemuir	1006.7	-10	SW	5	c	48	75	7	5	3	-	9+	10	1500	1002.8	-26	SW	5	c	48	75	6	5	-	10	10	800	1	*	cm	cm	cm	c														
	Point of Ayre	1008.8	-8	WS	5	c	52	75	8	5	-	-	10	10	1500	1004.7	-24	SW	4	c	52	75	6	5	-	10	10	1500	0	3	c	c	c	c														
13	Tiree	1001.0	-16	SW	5	c	51	75	7	5	-	-	9+	10	1500	994.5	-40	SSW	6	c	51	75	6	5	-	10	10	1500	1	4	c	c	c	c														
13	Stornoway	998.7	-14	SW	5	rr	48	75	7	5	2	-	7-8	10	1500	993.4	-26	SSW	6	c	49	75	6	5	-	7-8	10	1500	1	3	c	c	c	c														
15	Dalwhinnie	1002.8	-4	SW	4	c	46	75	7	5	7	-	7-8	10	2500	997.2	-40	SW	6	c	46	75	6	5	-	10	10	2500	1	*	c	c	c	c														
	Aberdeen	1003.3	-20	SSW	3	c	49	75	7	5	3	-	1	9+	4000	999.3	-22	SW	3	c	49	75	6	5	-	2-3	9+	1500	1	1	bc	c	c	c														
	Wick	999.6	-16	SW	5	c	48	75																																								

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 9h. 30m. 31st.	Max. 9h. 30m. to 5h. 31st.	Night. 17h. to 9h. 31st.	Day. 9h. to 17h. 31st.	
1	Tunbridge W.	co	o	35	52	0.5	-	0.1
	Bournemouth	oc	c	39	55	-	-	1.3
	Ventnor	rou	ocu	43	54	1	-	0.1
	Southsea	ocbc	bac	41	56	Trace	-	0.6
	Bognor Regis	c	cbcc	40	55	2	-	0.5
	Littlehampton	c	c	39	55	1	-	0.6
	Worthing	c	cbcc	40	55	1	-	0.5
	Brighton	c	cbcc	41	55	4	-	0.8
	Eastbourne	bcc	co	43	53	0.1	-	3.2
	Hastings	bcabc	cbcc	44	53	0.3	-	3.5
	Folkestone	bbcc	co	44	55	-	-	3.3
	Dover	bc	bcc	45	57	0.5	-	3.7
2	Deal	ocb	bcoco	43	54	1	-	3.8
	Ramsgate	bc	b	45	53	1	-	3.3
	Margate	bc	bcc	45	55	0.5	-	3.5
	Southend	bcmo	o	42	54	1	-	0.8
	Clacton-on-Sea	bcc	cbccm	40	53	-	-	1.6
	Dovercourt	roc	bc	36	53	1	-	2.7
3	Lowestoft	bmbecc	c	37	52	0.6	-	2.3
	Skegness	ocbc	cbcc	36	54	-	-	0.8
	Mablethorpe	oc	bc	36	54	-	-	1.4
	Cleethorpe	c	cbcc	38	53	-	-	1.8
	Leamington S.	oc	o	35	54	-	-	0.4
	Cheltenham	woc	c	36	54	-	-	0.7
4	Bath	rcbc	c	37	54	-	Trace	0.5
	Weymouth	c	ocbc	41	56	-	-	1.3
	Jersey	pc	c	51	57	Trace	-	0.6
	Torquay	wc	c	40	55	-	-	0.9
	Falmouth	odcrs	corgc	46	57	0.2	0.2	2.0
	Penzance	lpcbc	cipc	46	57	1	0.5	1.2
5	St. Ives	wccp	cbcc	49	55	-	Trace	2.0
	Bude	copo	cbccpc	51	55	Trace	2	1.1
	Ilfracombe	prbc	prc	50	55	0.3	1	1.1
	Aberystwyth	c	edc	49	55	Trace	Trace	0.4
	Llandudno	cbc	cbcc	46	55	-	-	3.0
	Colwyn Bay	c	c	49	56	Trace	-	0.1
6	Rhyl	c	c	45	54	-	Trace	0.4
	Wallasey	cpcc	cpccz	48	54	0.3	Trace	0.2
	Southport	cope	opdom	50	53	0.5	0.3	0.1
	Blackpool	c	c	41	52	0.6	-	0.0
	Morecambe	cbcc	co	42	52	-	-	0.5
	Harrogate	co	oc	45	51	Trace	-	0.4
7	Berwick-on-T.	bc	cmo	45	52	-	-	0.0
	Dunbar	ococ	ococo	47	52	5	-	0.0
	Troon	cis	cis	47	52	Trace	Trace	0.0
	Douglas	c	c	41	52	0.6	-	0.0
	Ilkley	cbcc	co	42	52	-	-	0.5
	Harrogate	co	oc	45	51	Trace	-	0.4
8	Berwick-on-T.	bc	cmo	45	52	-	-	0.0
	Dunbar	ococ	ococo	47	52	5	-	0.0
	Troon	cis	cis	47	52	Trace	Trace	0.0
	Douglas	c	c	41	52	0.6	-	0.0
	Ilkley	cbcc	co	42	52	-	-	0.5
	Harrogate	co	oc	45	51	Trace	-	0.4

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

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h Tuesday, 1st November, 1938.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st November, 1938.

1 S.E. England	Wind west, strong at first, moderating; bright periods but some showers of hail or rain locally; rather cold with ground frost at night.
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. Scotl. B.N.W. Scot- land.	Wind west to northwest, strong at first, moderating; showers of hail or rain or snow on high ground; bright periods; rather cold with frost at night.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	As 1 - 12.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

4.733/2559 #8000 0.3758 54.348 3.700 10/38

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 very deep depression centred near Shetland is moving away northeastwards. Winds will be westerly, gale at first in many places but gradually moderating. Weather will be mainly fair but there will be some showers locally of rain or hail. Temperature will be lower than of late with ground frost at night.

FURTHER OUTLOOK.

None issued.

Times of Issue of Gale Warnings.

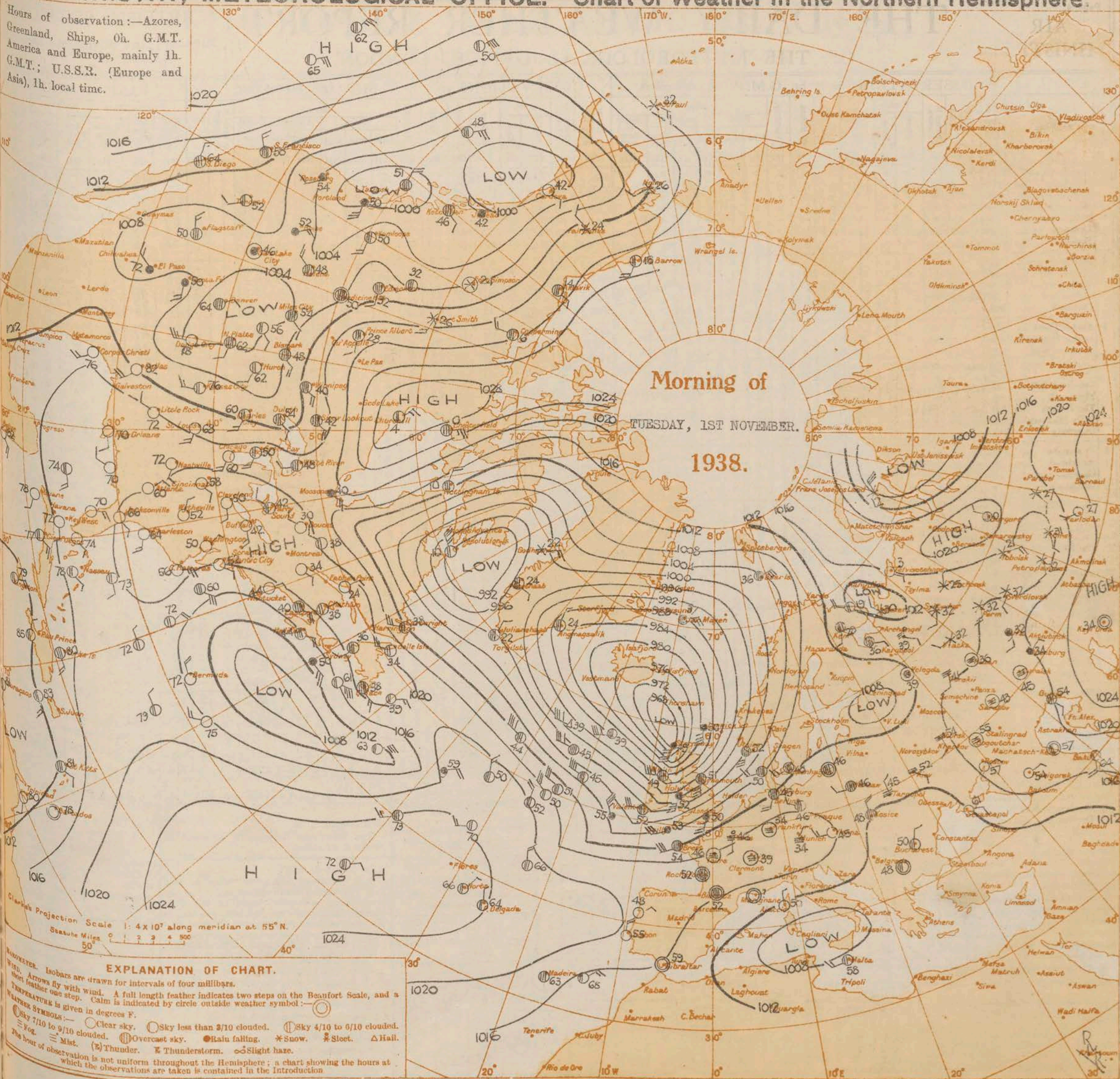
South cone hoisted at 1415 on 31st in districts 13, 15, 16, 17, 18, 20.
At 1905 on 31st in districts 5, 6, 7, 8, 10, 11, 12 & 19.
At 2245 on 31st in district 2. and at 0035 on 1st in district 1.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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, 2nd November, 1938.

No. 28104

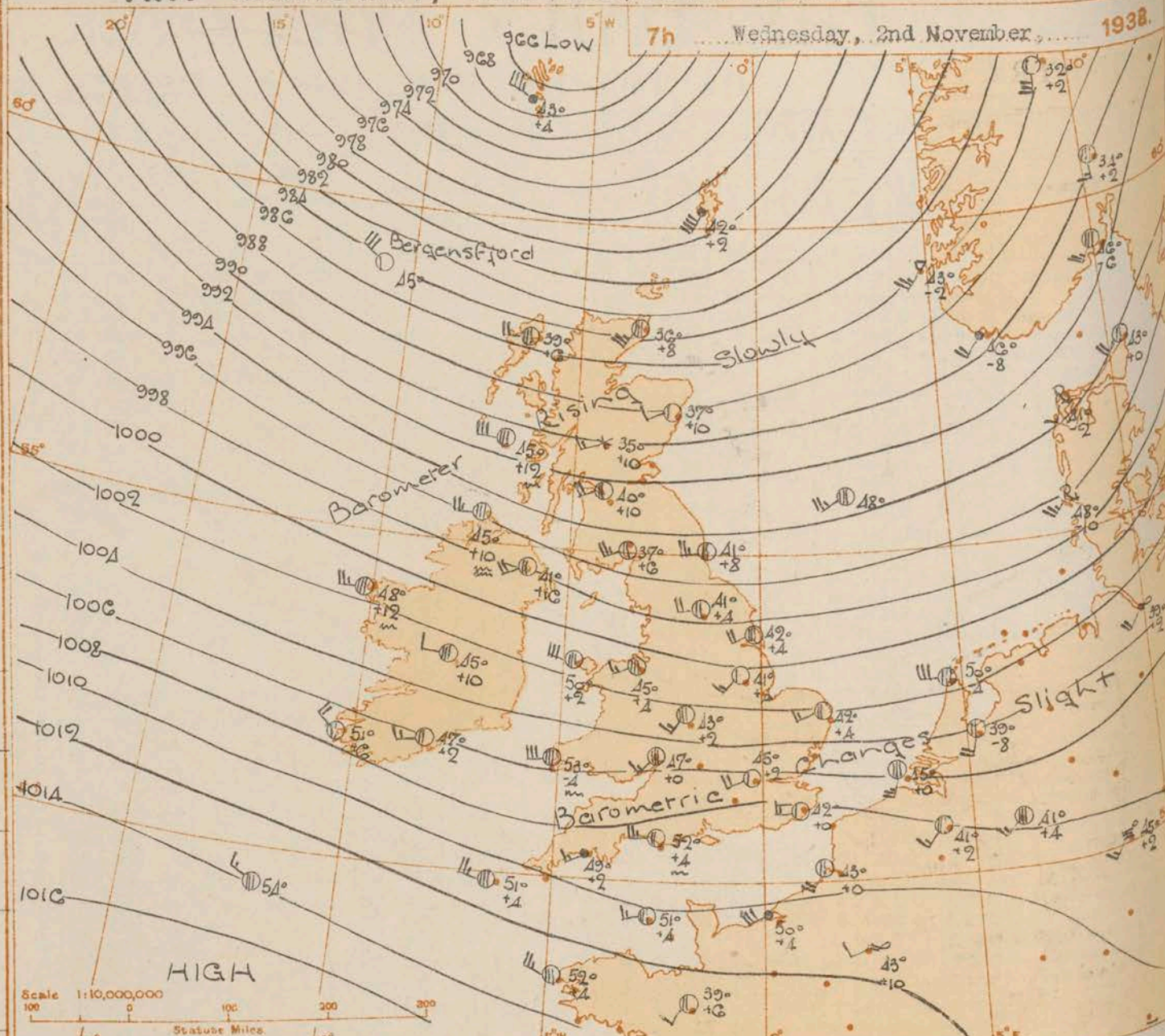
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 1st November														OBSERVATIONS at 18h. G.M.T. 1st November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																
				Direc.	Force					Form.	Amount.	Height of Base (feet)			Direc.	Force					Form.	Amount.	Height of Base (feet)			Direc.	Force					Form.	Amount.	Height of Base (feet)	State of Ground.	Sea.	7h.—13h. ... (1st) ...	13h.—18h. ... (2nd) ...	18h.—1st ... (3rd) ...	1st.—7h. ... (4th) ...																																																																																																																																																																																																																																																																																																																																																																																																																																								
																																									Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low

REPORTS from HEALTH RESORTS for 1st November 1938

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hr.)
		Fore-noon.	After-noon.	Min. 9h. to 5h.	Max. 5h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	oro	cbcb	48	54	5	1	3.2
	Bournemouth	beb	beb	48	55	5	-	5.5
	Ventnor	rb	b	49	55	7	-	5.2
	Southsea	cbcb	b	48	53	5	-	5.5
	Bognor Regis	orbcb	b	46	55	5	0.3	5.0
	Littlehampton	adcb	b	45	51	5	0.4	5.0
	Worthing	adcb	b	46	56	5	Trace	4.9
	Brighton	gc	b	48	51	4	1	4.7
	Eastbourne	droc	cbcb	48	57	3	0.6	3.6
	Hastings	rocb	beb	51	58	3	2	3.1
	Folkestone	mdo	ocbb	50	56	3	0.3	2.2
	Dover	orc	beb	49	57	3	0.5	2.4
	Deal	ddo	obbe	45	56	3	1	2.9
	Ramsgate	oc	cbc	48	55	3	-	2.2
	Margate	c	bc	47	55	7	-	2.8
2	Southend	orc	cbcb	46	57	1	0.3	3.8
	Clacton-on-Sea	ordc	cbcb	40	55	3	1	2.0
	Dovercourt	mc	bc	#	54	2	-	3.5
	Lowestoft	oirc	cbcb	42	53	4	2	3.8
	Skegness	ocbc	b	41	52	4	-	5.9
	Mablethorpe	oreb	b	45	51	5	-	2.9
3	Leamington S.	cbc	beb	46	53	4	-	5.3
	Cheltenham	cbc	b	46	52	1	-	7.2
5	Bath	beb	b	50	53	5	-	6.7
	Weymouth	cb	b	50	58	9	-	6.0
	Jersey	rep	cbcc	52	58	5	0.2	2.2
	Torquay	bbcg	b	50	55	6	-	6.5
	Falmouth	b	b	50	55	10	-	6.4
	Penzance	beb	b	50	55	10	-	7.4
	St. Ives							
	Bude	rbce	bc	50	53	9	-	6.3
6	Aberystwyth	prbc	bcc	48	54	11	-	5.0
	Llandudno	bbe	bcre	47	51	5	1	5.3
7	Colwyn Bay	bbbc	cpbac	47	51	5	1	6.0
	Rhyl	bbcc	cpbac	47	51	4	1	7.1
8	Wallasey	bc	cpbac	46	51	5	1	6.3
	Southport	bbbc	cpbac	47	51	6	2	6.4
	Blackpool	bbe	cpbc	48	51	8	0.3	5.9
	Morecambe							
9	Ilkley	cpbc	bcphc	46	51	5	0.6	5.5
	Harrogate	b	bbcep	44	48	4	0.4	6.2
10	Berwick-on-T.	bc	bcphb	38	47	2	2	5.0
	Dunbar	bc	cpr	39	46	1	2	4.6
12	Troon	mcopop	pop	42	47	10	3	1.1
	Douglas	bcir	bapt	43	47	13	0.3	5.5

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. 2nd November, 1938.
1 S.E. England	Wind west, moderate or fresh; mainly bright but chance of local showers of rain or hail; average day temperature; ground frost at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind west, fresh or strong locally, moderating slowly; showers of rain and hail or snow on high hills; bright intervals; rather cold; frost at night.
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.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	Wind west, strong to gale, moderating slowly; showers of rain or hail or snow; bright intervals; rather cold.
16 Orkney and Shetland	
17 N.W. Ireland	Wind west, backing tomorrow, fresh; showers to-day, rain spreading from west later to-morrow; rather cold, becoming warmer tomorrow.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 5h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression centred near the Faeroes is almost stationary and is filling up. Westerly winds will continue to-day with mainly bright weather but some showers of rain and hail or snow on high ground in the North. A depression now far out on the Atlantic will affect western districts tomorrow.

FURTHER OUTLOOK.

Unsettled; rain spreading from the West.

Time of issue of Gale Warnings.

South cone hoisted at 1415 on 31st October in district 16.

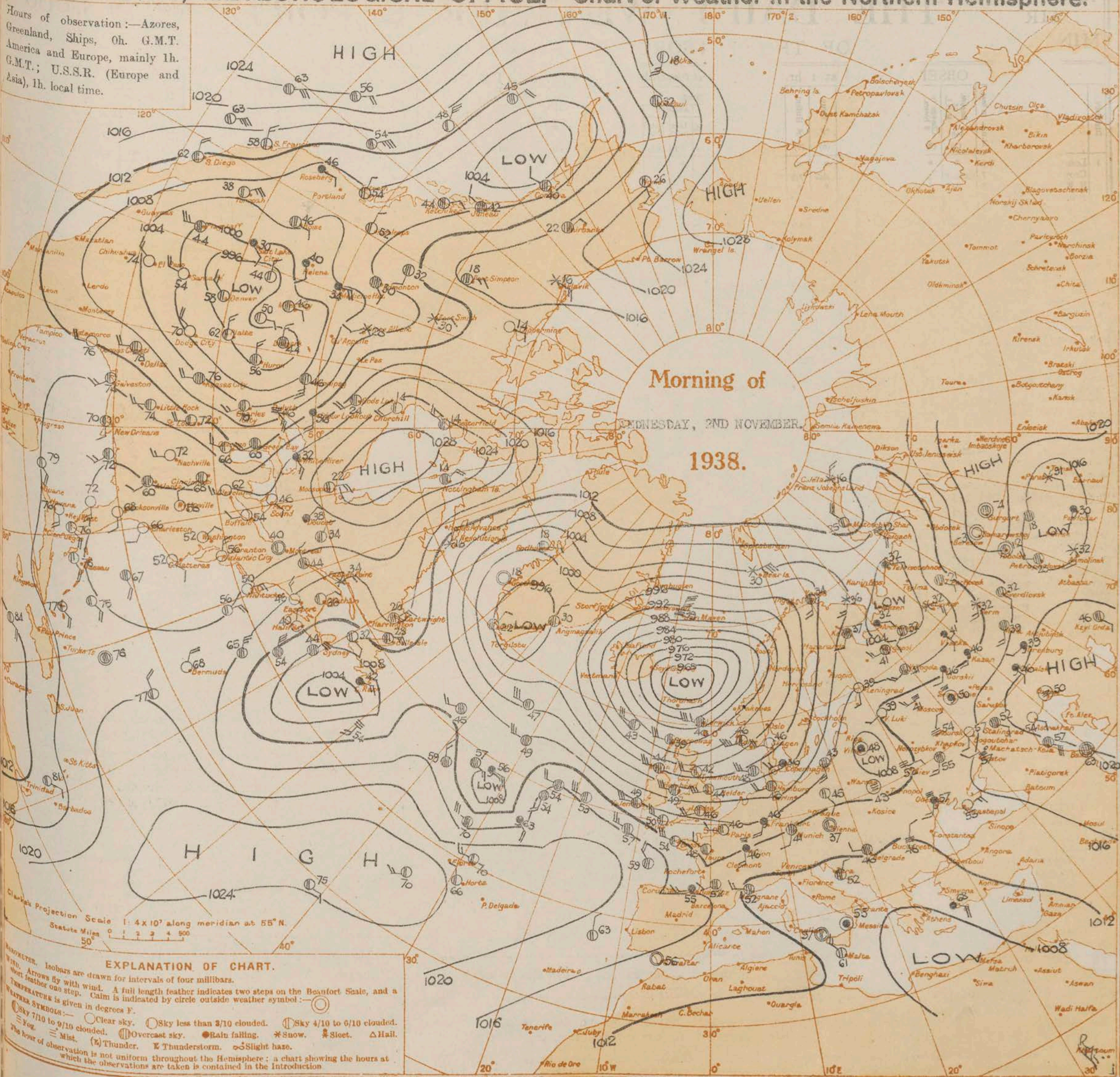
10.30 G.M.T.

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

Forecasts issued at

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.



PAST 24 HOURS

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½
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1 hr. observations are from Valentia W/T Station. † Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‡ Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 3rd November, 1938.

No. 28105.

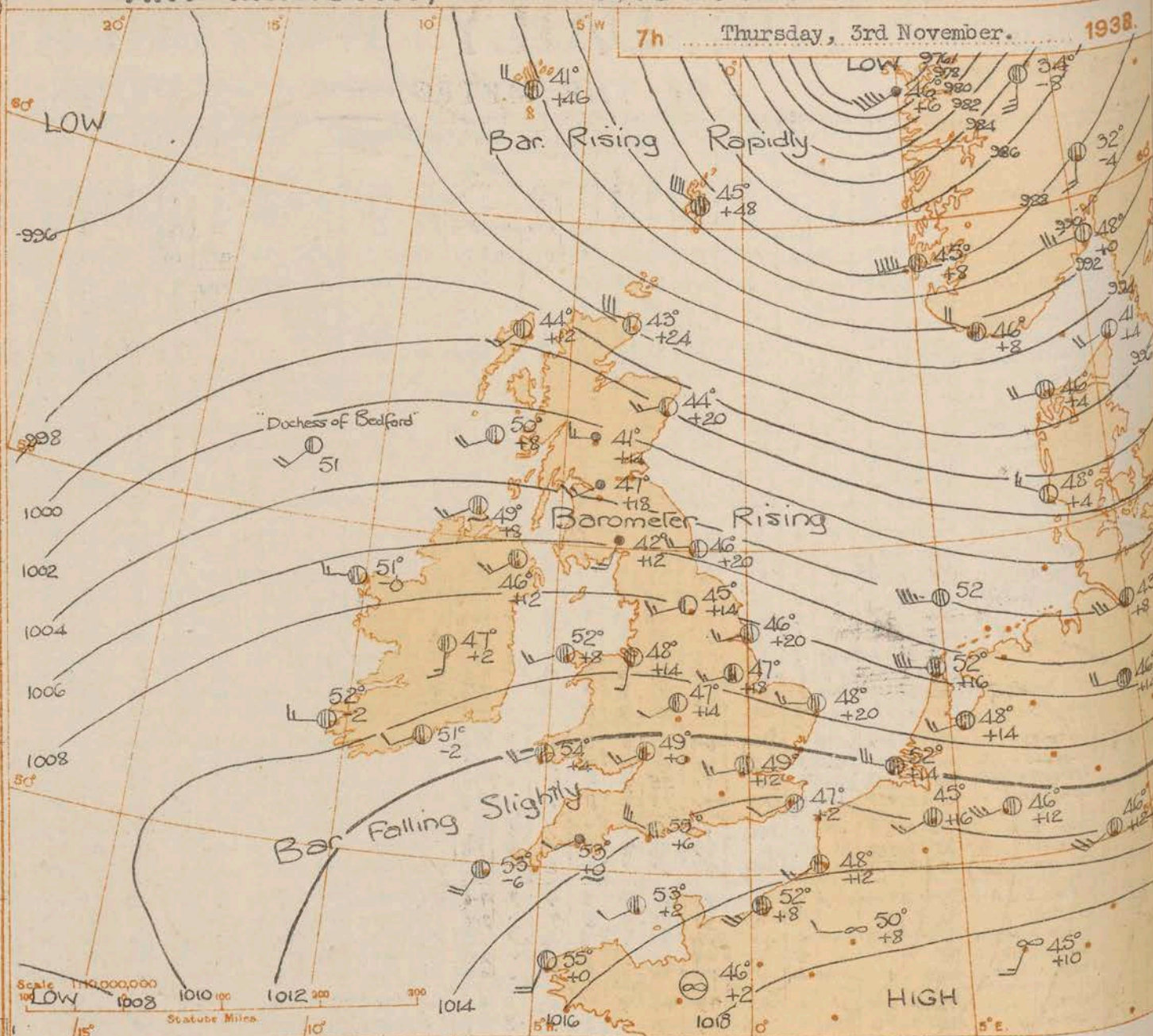
Dis- trib- utor	STATIONS.	OBSERVATIONS at 13h. G.M.T. 2nd November													OBSERVATIONS at 18h. G.M.T. 2nd November													PAST 24 HOURS.												
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visib. 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visib. 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visib. 0-9	WEATHER.											
				Direc.	Force 0-12				Weather.	Form.	Amount.			Height of Base (feet)	Direc.				Force 0-12	Weather.	Form.			Amount.	Height of Base (feet)				Direc.	Force 0-12	Weather.	Form.	Amount.	Height of Base (feet)	State of Ground 0-9	Sea. 0-9	7h.—18h. 2nd.	18h.—18h. 2nd.	18h. 2nd. to 1h. 3rd.	1h.—7h. 3rd.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)							
(For heights see p. 4.)																																								
1	London (Kew)	1007.3	+2	WSW	4	c	54	65	8	8	-	7-8	7-8	2500	1008.8	+14	WSW	3	bc	49	75	7	5	-	1	2-3	2-3	2500	1	*	bwbcm, bc	bcp, bc	bc	cm						
	Croydon	1007.1	0	WSW	4	c	53	65	7	2	4	-	7-8	7-8	2500	1009.0	+14	WSW	3	bc	49	75	6	-	4	0	1	-	1	*	bcb	cb, bc	b, cm	c						
	S. Farnborough	1007.6	+2	WSW	4	c	54	65	8	3	-	4-6	7-8	2500	1009.6	+16	WSW	3	bc	47	85	7	-	3	6	0	4-6	-	1	*	bpr, sbc	bcb, bc	bcc	c						
	Boscombe Down	1008.2	+2	W	4	bc/pr	50	85	8	9	6	-	4-6	4-6	1500	1010.1	+14	WS	4	bc	47	85	7	5	-	2-3	4-6	1500	1	2	*	bcp	bcb, bc	bcb, bc	cd, d, c					
	Calshot (Stmnt.)	1009.0	0	WS	5	c	54	65	8	5	3	-	7-8	9	2500	1010.7	+10	WSW	3	b	49	85	8	4	1	1	1	4000	1	2	*	bcb, bc	bcb, bc	bcb, bc	bcc					
	Lympne	1008.6	0	WSW	4	bc	54	65	8	7	4	-	4-6	4-6	2500	1010.2	+16	WS	3	bc	47	85	7	5	4	1	2-3	4-6	5700	1	3	*	bcb	bcb, bc	bcb, bc	c				
	Manston	1006.9	-2	WSW	5	c	53	65	7	8	3	-	9	9	2500	1009.5	+22	SWW	3	c	47	85	7	5	-	9+	9+	4000	1	*	bcc	c	c	c						
2	Shoeburyness	1006.8	-2	WS	3	c	54	65	8	9	3	-	7-8	9+	1500	1008.4	+14	WSW	2	bc	49	85	6	5	3	-	4-6	9	2500	1	*	bcb, bc	c, bc	cm, bc	bm, cw					
	Felixstowe	1005.5	-2	WSW	4	c	53	65	7	8	7	-	4-6	7-8	2500	1007.8	+20	SWW	2	bc	50	75	6	5	7	1	Tr	9	2500	0	2	*	bcb, bc	g, bcb, bc	cm, bc	c				
	Gorleston	1004.2	0	W	4	c	51	65	6	8	3	-	4-6	9	2500	1005.6	+16	WS	3	c	49	65	6	-	7	0	9	-	0	2	*	bcb, bc	c, bc	cq	cq					
	Mildenhall	1004.3	+2	WSW	5	bc/pr	52	75	7	8	7	-	4-6	4-6	2500	1006.3	+12	SWS	3	c	47	85	7	5	-	7-8	7-8	4000	0	*	bcb, bc	c, bc	c	c						
	Cranwell	1003.2	+6	WNW	4	bc/pr	46	85	6	8	-	-	2-3	2-3	2500	1005.0	+10	WSW	4	c	46	75	7	5	3	-	4-6	9+	4000	1	*	bcb, bc	cm, bc	cpr, bc	cm, c					
3	Birmingham	1005.4	+6	W	4	bc	52	55	8	7	4	-	4-6	4-6	2500	1006.9	+8	WSW	3	bc	47	75	8	5	4	1	2-3	2-3	4000	1	*	cr, bc	bc	bcc	c					
	Upper Heyford	1006.4	+8	WS	4	bc	52	65	8	2	6	-	1	4-6	2500	1008.5	+12	WN	4	bc	46	85	7	5	-	8	2-3	2-3	2500	1	*	bcb, bc	bcb, bc	bcc	c					
4	Ross-on-Wye	1006.6	+6	W	3	bc	52	65	8	8	6	-	4-6	4-6	4000	1008.3	+8	WSW	4	c	49	75	8	8	-	2	4-6	7-8	2500	1	*	bcb, bc	bcb, bc	bcb, bc	c					
5	Harland Point	1008.9	+6	WNW	5	c	53	75	8	3	-	-	7-8	7-8	1500	1010.4	0	WNW	5	c	52	75	8	8	-	9	9	1500	1	4	*	cpr, bc	cb, bc	cpr, bc	cpr, bc					
	Bristol	1007.8	+2	W	4	c	53	65	8	7	-	-	4-6	7-8	2500	1009.6	+6	WSW	3	bc	49	85	8	8	4	8	2-3	4-6	2500	1	4	*	cb, bc	cb, bc	bcb, bc	bcb, bc				
	Portland Bill	1009.4	+6	W	5	c	55	92	8	5	4	-	4-6	9	2500	1010.6	+12	WNW	5	c	54	92	8	5	4	-	4-6	9	2500	1	4	*	bcb, bc	bcb, bc	bcb, bc	bcb, bc				
	Plymouth	1010.5	+6	WN	4	bc	55	65	8	7	3	3	2-3	4-6	2500	1012.4	+18	W	3	c	52	85	7	8	3	-	4-6	9+	2500	1	2	*	bcb, bc	bcb, bc	bcb, bc	bcb, bc				
	The Lizard	1011.6	+2	WS	5	bc	55	85	8	8	4	-	4-6	4-6	2500	1013.3	+12	WS	4	c	52	92	8	8	2	-	7-8	7-8	2500	1	2	*	pr, bc	bcb, bc	bcb, bc	bcb, bc				
	Scilly (St. Mary's)	1012.2	+4	WNW	5	bc	55	75	8	8	6	-	2-3	4-6	1500	1013.2	+6	WNW	4	c	53	85	8	5	3	-	4-6	9+	2500	1	3	*	cpr, bc	cpr, bc	cpr, bc	cpr, bc				
	Guernsey	1011.6	+2	W	4	cq	55	85	9	8	-	-	7-8	7-8	2500	1012.9	+20	W	3	bc	53	85	7	5	1	-	4-6	4-6	2500	1	3	*	cpr, bc	cpr, bc	bcb, bc	bcb, bc				
6	Pembroke	1007.1	+12	WN	6	bcq	54	75	8	8	6	-	4-6	4-6	2500	1009.0	+6	WNW	7	cq	53	75	8	5	6	-	4-6	7-8	1500	1	4	*	cpr, bc	bcb, bc	cq	c				
7	Holyhead	1003.9	+6	WSW	5	id.	51	75	8	9	2	-	7-8	10	1500	1008.4	+12	WS	6	cpr	51	75	7	8	4	-	4-6	9	1500	1	3	*	pr, bc	pr, bc	pr, bc	c				
	Chester (Sealand)	1004.1	+12	WSW	3	c	51	55	8	8	-	-	9+	9+	2500	1005.2	+8	SSW	3	pr	49	85	6	5	2	-	7-8	10	2500	1	*	cpr, bc	cpr, bc	cpr, bc	bcb, bc					
8	Manchester	1002.4	+10	W	6	pr	49	75	7	8	7	-	4-6	7-8	2500	1003.6	+6	WSW	5	bc	47	85	6	8	3	-	4-6	9	2500	1	*	cpr, bc	cpr, bc	cpr, bc	cpr, bc					
10	Spurn Head	1000.5	+4	W	6	bcq	49	75	7	-	7	8	0	4-6	-	1002.9	+10	WSW	4	c	48	85	7	5	-	-	9+	9+	1500	1	3	*	pr, bc	pr, bc	pr, bc	cw				
	Catterick	999.5	+10	W	4	c	49	65	8	7	-	3	7-8	7-8	1500	1000.9	+10	WN	4	pr	45	85	7	5	-	-	10	10	1500	1	*	bpr, bc	bpr, bc	bpr, bc	bpr, bc					
	Tynemouth	997.5	+14	W	6	bcq	47	65	7	2	6	-	2-3	4-6	1500	999.0	+8	W	3	c	45	75	6	2	-	-	7-8	7-8	1500	1	2	*	bq	bq	bq	bq				
11	St. Abbs Head	994.6	+22	WNW	4	bcq	45	65	9	8	4	2	4-6	4-6	2500	995.5	+10	W	5	cq	44	65	8	4	6	9	4-6	7-8	2500	0	4	*	cq	cq	bcb, bc	bcb, bc				
12	Leuchars	993.2	+6	W	4	bc	47	65	8	8	4	-	2-3	2-3	2500	994.8	+14	WSW	2	b	40	85	8	8	4	3	Tr	1	2500	1	*	ocb	bcb, bc	bcb, bc	bcb, bc					
	Rentrow (Abbots L.)	996.1	+10	WNW	4	pr	44	85	8	5	6	-	7-8	7-8	1500	997.5	+12	W	5	bc	45	85	8	2	6	-	2-3	4-6	2500	1	*	pr, bc	pr, bc	pr, bc	pr, bc					
	Eskdalemuir	996.5	+4	W	5	bc	44	65	8	8	-	-	2-3	2-3	2500	998.8	+16	SWW	4	cpr	41	85	8	5	-	-	9+	9+	1500	1	*	pr, bc	pr, bc	pr, bc	pr, bc					
	Point of Ayre	1000.7	+10	WNW	6	c	50	75	8	8	1	-	4-6	9+	2500	1001.5	+6	WNW	7	bc	50	85	8	8	6	-	2-3	4-6	1500	1	4	*	bcb, bc	bcb, bc	bcb, bc	bcb, bc				
13	Tiree	995.0	+6	W	6	c	48	75	8	8	3	-	4-6	7-8	1500	997.3	+16	WN	6	bc	48	65	8	8	6	-	4-6	4-6	1500	0	5	*	cpr, bc	cb, bc	bcb, bc	bcb, bc				
13	Stornoway	987.8	+6	WSW	6	c/ph	46	75	7	3	-	3	4-6	7-8	2500	990.5	+8	W	7	bc	44	65	7	3	-	-	4-6	4-6	2500	1	4	*	cpr, bc	cpr, bc	bcb, bc	bcb, bc				
15	Dalwhinnie	993.3	+14	SW	5	ir	37	85	6	8	7	1	4-6	7-8	2500	995.5	+18	W	3	c	36	85	7	8	7	-	4-6	7-8	2500	1	*	csrs	csrs	csrs	csrs					
	Aberdeen	990.6	+8	W	4	bc	48	55	8	1	3	3	1	2-3	1500	993.2	+18	SW	2	b	40	75	7																	

REPORTS from HEALTH RESORTS for 2nd November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (min.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 2nd.	Max. 9h. to 2nd.	Night. 17h. to 9h. 2nd.	Day. 9h. to 17h. 2nd.	
1	Tunbridge W.	bccbc	beb	36	54	-	-	6.3
	Bournemouth	bcbp	cbpc	44	55	-	2	4.6
	Ventnor	rbpc	bcpac	46	57	-	2	4.9
	Southsea	bcc	cbcb	47	56	-	-	4.1
	Bognor Regis	bcc	beb	45	56	-	Trace	4.8
	Littlehampton	bbc	cbpc	40	56	-	0.2	4.9
	Worthing	bc	bc	43	56	-	Trace	4.4
	Brighton	bc	cbdc	46	55	-	0.2	4.3
	Eastbourne	bbe	bcc	47	57	-	-	4.9
	Hastings	bcbcc	bcbcc	42	55	Trace	-	6.0
2	Folkestone	cbcb	beb	40	56	-	-	5.9
	Dover	bc	bc	43	57	-	-	6.7
	Deal	bcbp	b	42	55	-	-	6.9
	Ramsgate	bc	bc	41	56	-	-	7.1
	Margate	bcc	bc	42	55	-	-	6.0
	Southend	cbc	cbpc	44	55	Trace	1	4.9
	Clacton-on-Sea	bc	bc	43	55	-	-	6.3
	Dovercourt	*	bc	31	54	Trace	*	6.2
	Lowestoft	bcbcp	cbcc	40	53	-	0.1	5.3
	Skegness	ocor	orbc	39	50	-	0.5	2.0
3	Mablethorpe	cbc	bc	37	50	-	-	3.4
	Cleethorpes	cbc	bcc	40	51	Trace	-	4.1
	Leamington S.	cbpc	bcc	41	55	0.3	-	5.0
	Cheltenham	cbccr	beb	41	54	Trace	1	5.6
	Bath	cbcb	beb	41	55	5	-	5.1
	Weymouth	bc	cb	49	56	-	Trace	4.4
	Jersey	pebc	bef	51	60	1	1	4.4
	Torquay	bcbp	bcb	45	57	-	1	5.0
	Falmouth	revp	c	45	56	0.3	0.2	3.9
	Penzance	ipbce	bcc	46	56	1	-	3.9
4	St. Ives	cbc	bc	45	55	1	-	5.7
	Bude	cbc	bc	49	55	2	1	3.1
	Ilfracombe	corc	pebc	49	55	-	-	-
	Aberystwyth	prc	cpr	48	53	0.5	1	0.8
	Llandudno	c	cir	45	51	2	1	0.1
	Colwyn Bay	cbcc	cpep	44	54	4	2	1.5
	Rhyl	cbcc	cpr	44	51	2	0.4	0.1
	Wallasay	pc	cpbc	44	50	4	0.5	0.8
	Southport	cbcp	ccp	45	52	3	1	2.2
	Blackpool	bccp	op	43	51	3	Trace	2.8
5	Morecambe	cbcp	bcp	38	50	16	0.6	5.1
	Ilkley	bcc	bcbp	35	49	11	Trace	4.9
	Harrogate	b	bcc	36	47	0.5	Trace	5.3
	Berwick-on-T.	bc	bc	35	46	2	-	5.8
	Dunbar	bcbp	ccp	40	50	6	1	2.6
	Troon	bcbp	bcbp	41	50	0.5	0.3	3.7
	Douglas	bcbp	bcbp	41	50	0.5	0.3	3.7
	Douglas	bcbp	bcbp	41	50	0.5	0.3	3.7
	Douglas	bcbp	bcbp	41	50	0.5	0.3	3.7
	Douglas	bcbp	bcbp	41	50	0.5	0.3	3.7

† 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. 3rd November, 1938.

1 S.E. England	Wind southwest to west, moderate; fair; average temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind southwest to west, moderate; fair to-day, occasional rain tomorrow; mild.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 1 - 4.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind southwest moderate, backing and freshening tomorrow; mainly fair to-day, some rain tomorrow; mild.
13 { A.W. Scotl. B.N.W. Scot- land.	Wind west fresh or strong, moderating; showers of rain or hail; rather cold to-day, temperature rising later.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	Wind northwest, strong to gale, moderating; showers of rain or hail; rather cold to-day, temperature rising later.
17 N.W. Ireland	Wind west, moderate, backing to south and increasing; fair at first, rain later; mild.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway W.C.2.

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 feeble ridge of high pressure covers the British Isles and depressions off Northwest Spain and 900 miles to the west of Ireland are moving eastward. The weather will be mainly fair to-day apart from a few showers in Scotland. Later rain will spread from the West and the temperature will rise.

FURTHER OUTLOOK.

Unsettled.

Times of Issue of Gale Warnings.

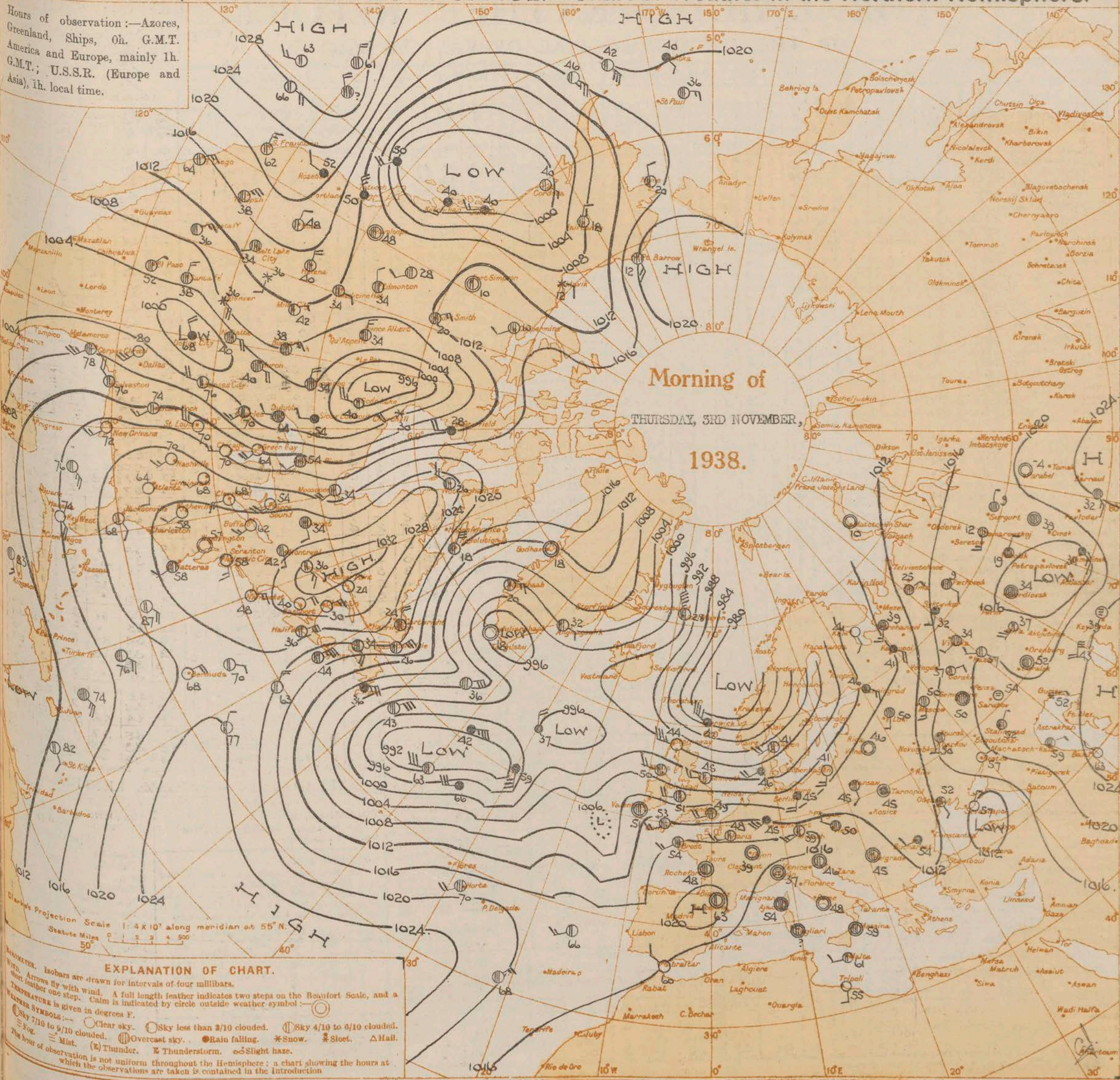
† South Cone hoisted at 1415 on 31/10/38 in district 16.

Forecasts issued at 1020 G.M.T.

N. K. JOHNSON, M.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.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 3rd November, 1938.

No. 28105.

OBSERVATIONS at 1 hr. G.M.T. 3rd November															OBSERVATIONS at 7 hr. G.M.T. 3rd November															PAST 24 HOURS								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		REMARKS.		
					Dir.	Force.					Low.	Med.	High.	Low.	Total.			Base.	Dir.					Force.	Low.	Med.	High.	Low.			Total.	Base.	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	*	*	*	*	*	*	*	*	*	*	*	1012.8	+10	WSW	2	Zo	48	85	6	5	7	-	4-6	9+	2500	1	*	54	47	42	Tr	-	5			
	Croydon	217	1011.1	+6	SWW	4	c	49	85	7	-	7	-	0	9+	1013.2	+12	WSW	3	c	49	85	7	5	7	-	7-8	10	4000	1	*	55	48	43	-	-	5	
	S. Farborough	226	*	*	*	*	*	*	*	*	*	*	*	1013.4	+8	WSW	2	c	48	85	5	5	7	-	9+	9+	5700	1	*	55	44	40	Tr	-	2			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1013.9	+10	WSW	3	c/d	47	97	8	5	7	-	9+	10	2500	1	*	52	45	41	1	Tr	3			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1014.0	+4	W	3	c	51	75	7	5	7	-	9	10	4000	1	2	56	47	44	-	-	3			
	Lympe	346	1012.4	+8	WS	4	c	46	85	7	-	7	-	0	7-8	1014.0	+2	WSW	2	c	47	85	7	5	7	-	7-8	9+	4000	1	2	54	43	41	-	-	6	
	Manston	154	1010.6	+6	WSW	3	c	47	85	7	5	-	-	9+	9+	4000	1012.5	+6	SWW	2	c	47	85	7	5	7	-	9+	9+	4000	1	*	55	44	41	-	-	6
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1012.4	+10	SWW	3	c	50	85	7	5	7	6	4-6	9+	4000	1	*	55	47	41	1	-	5			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1011.8	+12	WSW	3	c	48	85	7	5	7	8	7-8	10	2500	0	2	54	46	42	-	-	4			
	Gorleston	5	1007.3	+8	WS	4	c	45	85	7	5	-	-	7-8	7-8	1010.5	+20	W	3	c	48	75	6	-	7	-	0	10	-	0	2	52	45	42	Tr	-	4	
	Mildenhall	19	1008.3	+12	WSW	5	c	46	92	7	-	7	-	0	7-8	1010.8	+10	SWW	4	c	47	85	7	5	2	-	9	9+	4000	0	2	54	45	40	-	-	4	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1009.6	+18	WS	3	c	47	85	7	5	2	-	7-8	10	4000	1	*	52	45	41	0.6	Tr	4			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1011.1	+14	SW	2	c	47	85	6	5	3	-	4-6	9	2500	1	*	52	45	41	1	-	4			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1012.3	+8	SSW	2	c	45	97	7	5	7	-	9	10	2500	1	*	53	43	38	0.1	Tr	5			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1012.1	0	WSW	3	c	49	75	8	5	7	-	9	9+	2500	1	*	55	48	44	Tr	-	2			
5	Hartland Point	299	1011.6	+4	WNW	5	cq	53	75	8	8	2	-	7-8	9+	1011.5	+4	W	5	cq	54	75	8	8	-	9+	9+	1500	1	4	53	49	49	Tr	0.4	4		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1012.9	+8	SW	3	c	48	85	8	5	3	-	4-6	9+	2500	1	*	55	47	43	0.3	0.5	4			
	Portland Bill	32	1012.3	+8	WNW	5	c	53	92	8	5	-	-	10	10	1013.6	+6	WNW	5	c	55	92	8	5	-	10	10	2500	1	4	57	49	*	-	-	5		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1013.7	0	WSW	2	pr	53	85	8	8	-	10	10	2500	1	2	65	49	47	Tr	0.5	3				
	The Lizard	240	1014.1	+4	WS	3	c	52	85	8	4	2	-	9	10	1013.8	-6	SW	4	c	52	92	8	5	6	-	4-6	7-8	2500	1	2	57	49	*	0.3	2		
	Scilly (St. Mary's)	163	1013.6	0	WS	3	c	53	85	8	5	3	-	4-6	10	1012.8	-6	SWW	4	cjp	53	92	8	8	3	-	4-6	9+	1500	1	2	56	50	*	1	4		
	Guernsey	175	1014.5	+2	W	2	c	53	75	7	8	-	-	10	10	1015.1	+2	SWW	2	c	53	85	8	8	1	-	4-6	7-8	2500	1	3	56	51	44	1	0.2	4	
6	Pembroke	142	1010.9	+4	W	6	cq	53	75	7	8	2	-	4-6	7-8	1011.9	+4	WSW	4	c	54	75	7	8	2	-	7-8	9+	1500	1	3	54	52	*	1	4		
7	Holyhead	26	1007.9	+4	W	4	c	51	85	8	5	2	-	1	10	1009.0	+8	WSW	3	c	52	85	8	7	4	-	7-8	9	4000	1	2	52	50	47	4	0.1	0	
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1010.0	+14	SSW	1	c	48	85	7	5	3	-	7-8	9	4000	1	*	52	47	38	0.5	0.1	1			
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1009.3	+18	SWW	3	Zo	47	85	5	5	-	-	9	9	4000	1	*	50	47	43	2	1	1			
10	Spurn Head	29	1004.4	+10	WS	4	bc	47	85	7	5	-	-	4-6	4-6	1008.4	+20	WS	3	c	46	92	7	5	1	-	4-6	9+	2500	1	2	49	45	*	1	0.6	4	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1007.0	+14	WS	3	bc	45	85	8	-	7	8	0	4-6	-	1	2	49	42	37	1	0.6	6			
	Tynemouth	108	1002.1	+14	W	3	bc	45	85	7	2	-	-	4-6	4-6	1005.6	+20	W	4	bc	46	85	6	2	4	-	4-6	4-6	1500	1	1	49	44	37	Tr	3	5	
11	St Abbs Head	280	999.2	+12	W	4	bc	43	75	8	4	4	-	2-3	4-6	1002.7	+20	W	5	cq	46	65	8	5	6	2	2-3	7-8	2500	0	3	46	40	*	-	6		
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1002.4	+20	WSW	3	c	43	75	8	5	4	2	4-6	7-8	2500	1	*	48	37	31	Tr	Tr	2			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1003.9	+18	WSW	3	c/pr	47	92	8	5	4	-	7-8	7-8	1500	1	*	50	41	36	3	2	3			
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1005.8	+12	SSW	3	ir	42	97	6	5	-	-	10	10	800	1	*	45	40	36	3	1	3			
	Point of Ayre	30	1004.7	+18	WNW	6	bc	50	85	8	8	-	5	2-3	2-3	1007.4	+14	WNW	5	c	51	85	8	8	7	-	7-8	10	1500	0	4	51	49	*	0.1	2		
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1002.5	+8	WSW	4	c	50	92	7	5	-	-	7-8	7-8	1500	0	3	50	44	41	2	1	2			
13b	Stornoway	80	996.4	+26	W	7	b	44	65	8	5	-	-	1	1	999.3	+12	SW	3	c/r	44	92	8	5	7	-	4-6	9+	2500	1	2	46	38	*	2	0.1	4	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1002.0	+14	W	3	ir	41	85	7	5	6	-	4-6	7-8	2500	1	*	40	34	31	10	2	1			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1000.4	+20	WS	3	bc	44	65	7	5	3	-	1	2-3	2500	1	1	48	38	30	-	-	6			
	Wick	81	991.5	+24	WNW	7	pr	42	97	7	9	1	-	7-8	9	985.3	+24	WNW	6	bcq	43	75	8	5	7	-	2-3	4-6	1500	1	2	43	39	*	2	3		
16	Lerwick	156	981.0	+40	NW	8	pr	46	75	8	8	7	-	7-8	9+	988.3	+48	NW	8	c/pr	45	85	7	9	7	-	7-8	9+	800	1	*	51	31	*	2	1		
17	Blacksod Point	18	1007.0	+10	W																																	

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 4th November, 1938.
No. 28106.

District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 3rd November														OBSERVATIONS at 18h. G.M.T. 3rd November														PAST 24 HOURS.					
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblty	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblty	Cloud.					State of Ground.	Sea.	WEATHER.					
				Dir.	Force					Form.	Amount.		Height of Base (feet)	Dir.			Force						Form.	Amount.		Height of Base (feet)	7h.—13h. 3rd			13h.—18h. 3rd	18h.—10h. 4th	10h.—7h. 4th			
											Low	Med.					High	0-10						Total	0-10								Total	0-10	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)		
1	London (Kew)	1015.4	+6	SW	2	Z	55	65	6	5	-	-	3+	3+	4000	1015.5	0	SSW	3	Z	54	75	6	5	-	-	3+	3+	4000	1	*	cmo.2s	cz.c2s	c	cp.rc
	Croydon	1015.7	+6	WSW	3	c	55	65	7	5	-	-	3+	3+	7200	1015.3	+2	SW	3	Z	53	75	6	5	-	-	3+	3+	5700	1	*	c2.c	cz.	c	r.1do
	S. Farnborough	1015.0	-2	SW	3	c	54	65	8	5	-	-	3+	3+	5700	1015.6	0	SW	3	C	53	85	7	5	-	-	3+	3+	5700	1	*	c	c	cd.c	cd.c
	Boscombe Down	1015.2	-6	SW	3	c	56	65	8	8	7	-	4-6	3+	4000	1015.5	+10	SW	3	C	50	37	8	5	2	-	7-8	10	2500	0	*	c	c	cr.c	ct.rc
	Calshot (Stmnt.)	1016.3	+6	SW	3	c	57	75	8	8	8	4-6	3	2500	1016.3	+2	SW	4	ir	53	37	8	8	-	-	10	10	800	1	2	c	c	cd.c	cd.c	
	Lympe	1016.4	+6	WS	3	c	54	75	8	5	-	-	3+	3+	4000	1018.0	+6	WSW	3	C	49	32	7	5	-	-	7-8	7-8	5700	1	\$	c	c	cd.c	cd.c
	Manston	1015.7	+6	WSW	3	c	56	75	7	5	7	-	7-8	3+	5700	1017.0	+6	WSW	2	C	50	85	7	5	3	-	4-6	7-8	5700	1	*	c	c	cd.c	cd.c
2	Shoeburyness	1015.3	+6	WS	3	C	56	65	6	2	3	-	1	3+	4000	1015.3	+6	SSW	3	C	53	85	6	5	-	-	3+	3+	4000	1	*	cbccz.	ccm.	cm.	cr.m
	Fullstowe	1014.3	+10	WSW	2	C	56	65	8	5	7	6	1	7-8	2500	1015.7	+6	SW	2	Z	52	75	6	5	3	-	7-8	3+	4000	0	2	cb	becm.	cm.	cr.c
	Gorleston	1013.3	+10	WS	3	C	56	65	6	1	3	2	1	7-8	2500	1014.1	+8	SW	3	C	52	75	6	5	3	-	4-6	3+	2500	0	2	c	cbcc	cz.z.	cr.
	Mildenhall	1014.0	+8	SW	4	C	54	75	7	7	3	1	2-3	7-8	2500	1013.3	+2	S	3	C	52	85	7	5	-	-	10	10	5700	0	*	ccm.c	c	cd.c	cr.c
	Cranwell	1012.2	+2	WSW	3	Z	53	75	6	5	3	-	7-8	3+	5700	1012.5	+2	SW	4	Z	51	85	6	5	-	-	3+	3+	2500	0	*	ccm.	cz.cm.	cm.	cr.c
3	Birmingham	1013.3	-2	WSW	3	C	54	65	7	5	3	-	2-3	7-8	2500	1012.8	-4	SSW	3	C	50	85	6	5	2	-	7-8	7-8	4000	1	*	c	c	bec	cbc
4	Upper Heyford	1015.0	+10	WSW	4	C	53	75	7	5	7	8	3	3+	2500	1014.5	-2	SSW	3	Z	51	85	6	5	-	-	3+	3+	4000	1	*	cbcc	c	cd.c	cd.c
	Ross-on-Wye	1014.1	0	SW	3	id.	52	85	6	5	1	-	3+	3+	1500	1013.1	-6	SW	3	C	52	85	7	5	-	-	10	10	1500	1	*	cd.c	c	cd.c	cd.c
5	Harland Point	1013.4	-2	SW	5	C	54	85	8	8	6	-	7-8	3+	1500	1012.1	-10	SW	3	id.	53	37	7	-	2	-	10	10	800	1	3	cq	cd.c	cd.c	cd.c
	Bristol	1015.1	+2	SW	3	C	54	75	8	5	-	-	3+	3+	2500	1014.3	-4	SSW	3	C/r	52	85	7	5	1	-	3	10	1500	1	*	cbcc	cd.c	cd.c	cd.c
	Portland Bill	1015.4	+6	SW	4	C	56	32	8	5	-	-	7-8	10	2500	1015.0	0	SW	4	C	56	85	7	5	-	-	3	10	2500	1	4	c	cd.c	cd.c	cd.c
	Plymouth	1015.1	-2	SW	4	C	54	85	8	5	2	-	4-6	10	1500	1014.2	-2	S	4	ir	53	37	6	-	2	-	10	10	450	1	3	cbcc	cd.c	cd.c	cd.c
	The Lizard	1015.1	0	SW	4	C	54	32	7	4	4	-	7-8	10	1500	1013.2	-4	S/E	6	ir	53	37	5	5	-	-	10	10	1500	1	3	cd.c	cd.c	cd.c	cd.c
	Scilly (St. Mary's)	1012.3	-10	S	5	c/p	55	32	8	5	7	-	2-3	10	1500	1010.6	-8	SW	5	d.c.	54	37	5	5	-	-	10	10	1500	1	3	cd.c	cd.c	cd.c	cd.c
	Guernsey	1016.7	+4	SSW	3	C	57	85	3	5	7	-	4-6	3	2500	1016.5	+6	S	3	id.	56	32	3	5	-	-	10	10	2500	1	2	C	co	old.	drr.
6	Pembroke	1012.5	+2	SW	5	C	54	32	7	5	2	-	4-6	3+	1500	1010.8	-6	S	6	cq	54	37	7	8	2	-	4-6	3+	1500	1	3	C	cd.c	cd.c	cd.c
7	Holyhead	1010.3	+2	SW	4	C	55	85	3	7	-	-	3+	3+	4000	1009.3	-10	SW	4	cd	53	37	7	5	-	-	10	10	450	1	2	vc	d.c	cd.c	cd.c
8	Chester (Sealand)	1012.1	+4	SW	2	C	56	65	8	8	7	2	4-6	3	2500	1011.4	-6	SE	2	C	51	85	8	5	-	-	10	10	2500	1	*	C	cd.c	cd.c	cd.c
	Manchester	1011.8	+6	SW	3	Z	54	75	6	5	3	5	7-8	3+	4000	1011.1	-6	SW	3	Z	50	85	6	5	7	-	4-6	10	4000	1	*	cm.	cd.c	cd.c	cd.c
10	Spurn Head	1011.3	+6	SW	3	C	53	75	6	5	5	-	4-6	3+	2500	1011.4	0	SW	3	C	50	85	7	5	-	-	3+	3+	2500	0	2	C	C	cd.c	cd.c
	Catterick	1003.4	+8	WS	4	C	52	75	8	5	7	-	2-3	3+	1500	1002.5	-2	WSW	3	C/r	51	85	8	8	7	-	7-8	3+	1500	1	*	bec	C	cd.c	cd.c
	Tynemouth	1007.5	+6	W	4	C	53	65	6	8	4	-	4-6	7-8	1500	1007.3	+6	W	3	C	51	75	6	8	-	-	7-8	7-8	1500	1	1	bec	C	cd.c	cd.c
11	St. Abbs Head	1005.3	+4	WSW	5	Cq	51	75	8	3	2	-	4-6	3+	1500	1006.7	-2	WSW	3	C	43	75	8	8	2	-	7-8	3+	2500	0	3	Cq	C	cd.c	cd.c
12	Leuchars	1004.7	+12	SW	2	C	50	85	7	8	7	-	4-6	10	1500	1004.3	-2	SW	1	d.c.	43	32	4	6	2	-	3	10	1500	1	*	bc.m.	cd.c	cd.c	cd.c
	Rentfrew (Abbots L.)	1006.0	+10	SW	3	ir	49	37	5	5	-	-	10	10	1500	1005.3	-6	SW	3	ir	50	32	6	6	2	-	7-8	10	450	1	*	cd.c	cd.c	cd.c	cd.c
	Eskdalemuir	1007.4	+2	SW	4	ir	47	32	7	3	-	-	10	10	450	1006.8	-6	SW	3	ir	47	85	7	6	-	-	10	10	1500	1	*	cd.c	cd.c	cd.c	cd.c
	Point of Ayre	1003.5	0	WS	4	C	53	85	8	5	-	-	3+	3+	4000	1007.3	-12	SW	4	C	52	32	8	5	7	-	2-3	3+	2500	1	3	C	cd.c	cd.c	cd.c
13	Tiree	1004.0	0	SW	4	rr	50	37	6	-	2	-	10	10	1500	1001.3	-12	SSW	4	rr	50	37	6	-	2	-	10	10	1500	1	3	cd.c	cd.c	cd.c	cd.c
14	Stornoway	1002.6	+14	WSW	3	C	48	75	8	3	5	-	4-6	10	2500	1001.0	-8	SE	3	ir	46	85	7	5	2	-	7-8	10	1500	1	1	C	cd.c	cd.c	cd.c
15	Dalwhinnie	*	+6	SW	3	C	46	75	7	5	1	-	4-6	10	2500	1004.1	-10	S	2	ir	43	37	7	5	1	-	4-6	10	2500	1	*	cd.c	cd.c	cd.c	cd.c
	Aberdeen	1003.3	+10	WSW	2	C	51	65	7	5	-	6	7-8	3	1500	1004.5	0	SW	2	ir	47	85	6	-	2	-	10	10	800	1	1	bec	cd.c	cd.c	cd.c
	Wick	1000.6	+18	WSW	3	C	48	75	8	5	7	3	4-6	3	1500	1002.1	+6	WSW	2	C	43	85	8	5	2	-	3	10	1500	1	1	bec	cd.c	cd.c	cd.c
	Lerwick	336.4	+38	WS	5	C	46	75	8	8	7	-	7-8	3	800	1000.3	+12	WS	3	C	44	75	8	8	7	-	4-6	7-8	1500	1	*	cd.c	cd.c	cd.c	cd.c
17	Blacksod Point	1006.4	-8	S	5	C	54	85	8	5	-	-	10	10	4500	1002.2	-20	S	6	ir	53	37	7	6	-	-	10	10	450	1	4	bc	ir	cd.c	cd.c
18	Malin Head	1005.4	0	SW	2	C	52	32	7	8	-	-	3	3	4000	1002.6	-28	S	3	rr	50	37	7	6	2	-	4-6	10	2500	1	4	C	cd.c	cd.c	cd.c
	Aldergrove	1008.2	+2	SW	3	C	51	85	3	5	2	-	3	3+	1500	1005.3	-18	S	2	C	50	32	8	5	-	-	10	10	1500	2	*	C	cd.c	cd.c	cd.c
19	Birr Castle	1003.4	-4	S	2	C	53	85	8	5	2	-	7-8	10	2500	1006.3	-20	S	3	C	53	32	8	5	-	-	3	3	1500	1	*	cd.c	cd.c	cd.c	cd.c
20	Valentia Obsy. †	1008.5	-10	SSE	4	C/d	55	32	7	5	-	-	3+	3+	800	1006.5	-2	SSE	4	C	54	32	8	5	8	-	4-6	7-8	800	1	2	cd.c	cd.c	cd.c	cd.c
	Roche Point	1010.2	-4	SW	3	id.	53	37	6	5	-	-	10	10	450	1007.4	-18	S/E	3	d.d	53	37	5	5	-	-	10	10	220	1	3	cd.c	cd.c	cd.c	cd.c

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.
fg, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100-2200 yds.
h, hail, i, intermittent.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

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, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊙, Lunar halo. ♀, gale.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions: thus —bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 So 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.

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.

Cloud form abbreviations:—
Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Altostratus, -As: Strato-cumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb

COLUMN 29.—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.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

6 ... Ground covered with thawing snow.
7 ... " 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.

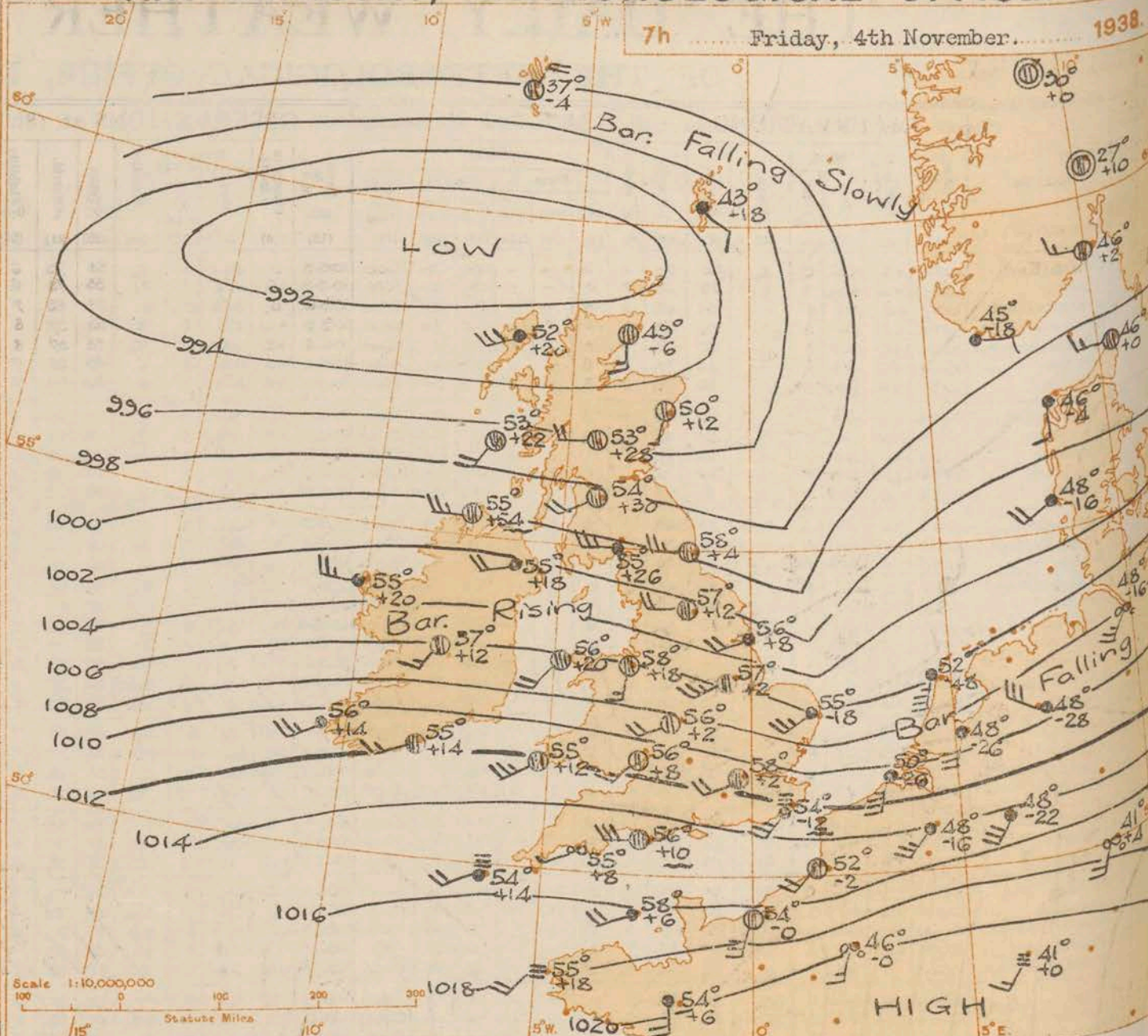
REPORTS from HEALTH RESORTS for 3rd November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 2nd to 9h. 3rd.	Max. 9h.—17h. 3rd.	Night. 17h. 2nd to 9h. 3rd.	Day. 9h.—17h. 3rd.	
1	Tunbridge W.	co	oc	40	55	—	—	0.6
	Bournemouth	cbe	cbe	47	58	—	0.5	1.5
	Ventnor	oc	cobu	43	58	—	Trace	2.2
	Southsea	cbcc	cc	50	59	—	Trace	0.7
	Bognor Regis	c	bc	43	58	—	—	0.6
	Littlehampton	c	c	46	57	—	—	0.5
	Worthing	c	bcc	45	58	—	—	1.3
	Brighton	bc	cd	48	58	—	0.1	1.0
	Eastbourne	coc	cbeu	43	58	—	0.2	1.2
	Hastings	cbe	bccpc	45	58	—	Trace	1.1
	Folkestone	c	cbe	40	58	—	—	0.5
	Dover	bcc	cbe	47	58	—	—	0.5
2	Deal	o	oco	46	56	—	—	0.4
	Ramsgate	bcc	c	45	56	—	—	0.5
	Margate	bcc	c	47	56	—	—	0.6
	Southend	bc	bcc	46	56	—	—	1.7
	Clacton-on-Sea	bccbc	bccm	45	56	—	—	2.1
	Dovercourt	bcr	bcr	36	56	Trace	Trace	3.2
	Lowestoft	bcc	cbcc	40	57	—	—	2.1
3	Skegness	cbe	cbe	41	55	Trace	—	1.2
	Mablethorpe	bc	co	45	55	—	—	0.8
	Cleethorpe	c	cbe	43	53	0.5	—	0.0
	Leamington S.	c	bcc	44	56	—	—	2.5
4	Cheltenham	ocp	cbr	46	55	—	Trace	0.5
	Bath	c	c	47	56	0.3	—	0.0
5	Weymouth	cbe	cim	50	58	—	0.3	1.2
	Jersey	bc	bcc	52	58	0.1	—	0.8
	Torquay	bcc	opc	43	57	—	0.4	1.5
	Falmouth	bc	corro	48	56	—	1	0.4
	Fenanzee	c	bermr	43	56	—	4	0.4
	St. Ives	c	cb	51	56	—	Trace	0.3
	Bude	c	cb	43	57	1	—	0.3
	Ilfracombe	upo	ocbce	43	57	1	—	0.3
6	Aberystwyth	c	cprc	50	54	—	1	0.0
	Llandudno	c	fbcc	47	56	0.3	Trace	1.2
	Colwyn Bay	cbcc	cbcc	47	57	1	—	0.5
	Rhyl	bcc	cbcc	48	57	1	—	1.1
8	Wallasey	cbcc	cbcc	44	53	Trace	—	0.7
	Southport	bcc	cbcc	48	55	1	—	0.2
	Blackpool	cop	oco	46	54	1	1	0.2
	Morecambe	cop	oco	46	54	1	1	0.2
9	Ilkley	cpc	cbcc	44	54	3	0.3	0.7
	Harrogate	cbe	cbcc	41	52	0.4	—	1.3
10	Berwick-on-T.	bcc	o	41	51	—	—	2.0
	Dunbar	bc	cps	40	52	—	Trace	0.3
12	Troon	ocopo	coc	43	51	Trace	0.3	0.0
	Douglas	bc	cra	46	53	—	0.3	0.1

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Friday, 4th November 1938.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th November, 1938.
1 S.E. England	Wind west to southwest moderate; cloudy, bright intervals; very mild for the time of year.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind west to southwest, moderate or fresh; cloudy, coastal fog and drizzle; mild.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 1 - 4.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind west to southwest fresh or strong; cloudy, coastal fog and drizzle; mild.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	As 1 - 4.
15 N.E. Scotland	
16 Orkney and Shetland	Wind variable strong at times; occasional rain; heavy at times; average temperature.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	As 12 - 13.
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

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 the north of Scotland is moving eastwards. Other depressions will form on the Atlantic and move towards the British Isles. Weather will remain mild and generally unsettled but with sunny intervals especially in eastern districts.

FURTHER OUTLOOK.

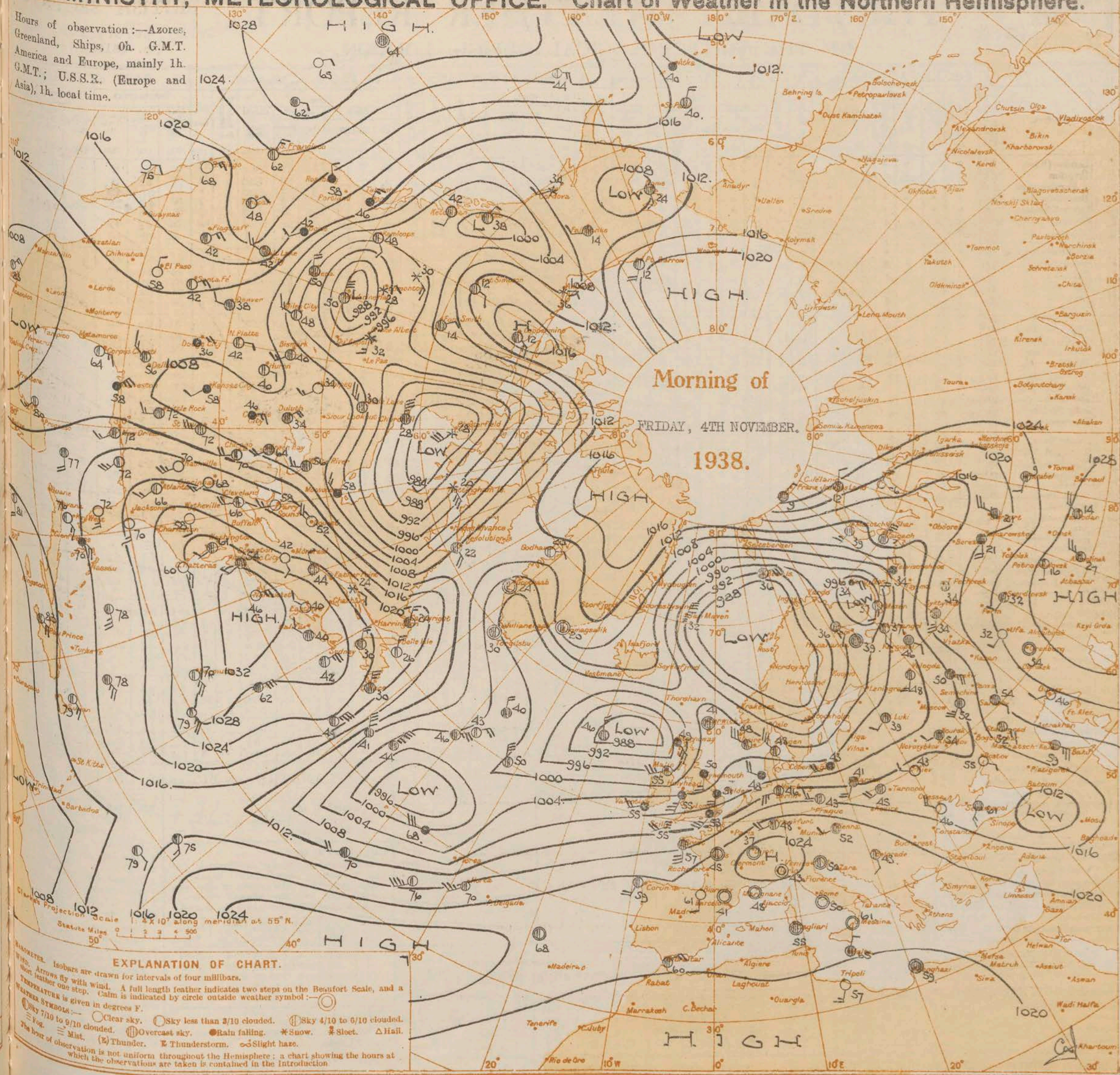
Similar conditions.

Forecasts issued at 1015 G.M.T.

N. K. JOHNSON, M.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.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
 WEATHER SYMBOLS are given in degrees F.
 ☉ Sky 7/10 to 9/10 clouded. ☁ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡ Hail.
 ☁ Mist. (Z) Thunder. ☁ Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the introduction.

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Friday, 4th November, 1938.
No. 28106.

OBSERVATIONS at 1 hr. G.M.T. 4th November														OBSERVATIONS at 7 hr. G.M.T. 4th November														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9) (10) (11) (12) (13)					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23) (24) (25) (26) (27)					State of Ground. (29)	Sea. (30)	TEMPERATURE. (31) (32) (33)			RAINFALL. (34) (35)		Sun. (36)		
					Direc.	Force. (4-12)					Form.	Amount.	Height of Base. (feet)	Direc.	Force. (18-12)			Form.	Amount.					Height of Base. (feet)	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.				
																																			Low		Med.	High
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1011.8	+2	WSW	3	c	58	92	7	5	7	-	7-8	9+	2500	1	*	55	52	51	-	Tr	0.1			
	Croydon	217	1013.5	-20	SSW	5	dr	53	32	7	5	-	-	10	10	800	1011.6	+2	WSW	4	d/d	58	92	5	5	-	10	10	800	1	*	55	53	50	-	0.1		
	S. Farborough	226	*	*	*	*	*	*	*	*	*	*	*	1011.6	+6	WSW	4	c	57	92	5	5	2	-	10	10	800	1	*	55	51	49	-	0.2				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1012.1	+8	WSW	4	c	56	97	8	6	2	-	4-6	7-8	1500	1	*	56	48	46	-	1	0.4			
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1013.4	+5	SW	4	d/d	57	97	5	5	2	-	10	10	450	1	3	59	53	52	Tr	4	0.7			
	Lympe	346	1015.6	-16	SSW	5	d/d	53	92	7	6	2	-	9	10	800	1013.2	-12	SW	5	d/f	54	88	2	-	10	10	1500	1	3	56	48	47	-	0.5			
	Manston	154	1014.7	-16	SSW	5	c/r	53	85	7	5	7	-	2-3	9+	4000	1014.4	-12	SW	5	d/d	56	82	5	-	10	10	800	1	*	55	48	43	-	Tr	0.6		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1010.9	+2	SW	3	id	57	92	6	5	-	-	10	10	800	1	*	55	51	48	-	0.1				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1009.6	-7	SSW	4	c/r	55	97	7	5	2	-	7-8	10	1500	1	3	56	52	49	-	0.2				
	Gorleston	5	1012.0	-18	SW	4	c	51	88	7	5	-	-	10	10	2500	1006.5	-18	SW	5	ir	55	92	6	5	-	10	10	1500	1	3	56	50	49	-	1	1.9	
	Mildenhall	19	1010.7	-26	S	4	c/r	52	97	6	5	-	-	10	10	2500	1007.2	-6	SW	5	z	58	92	6	5	-	7-8	10	4000	1	*	56	52	49	-	0.6		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1005.2	+2	WSW	5	c	57	85	7	5	2	-	7-8	10	4000	1	*	54	49	46	-	0.2				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1007.2	+4	WSW	4	bc	56	85	8	5	7	-	2-3	4-6	1500	1	*	54	50	46	-	-	1.3			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1005.7	+12	WSW	5	c	56	97	8	5	3	8	4-6	9+	800	1	*	54	50	48	-	0.4				
4	Poss-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1005.7	+8	WSW	3	bc	56	85	7	5	4	2	4-6	9+	800	1	*	55	52	51	Tr	2	0.3			
5	Portland Point	299	1009.2	-2	WSW	6	DD	56	97	5	-	2	-	10	10	800	1012.8	+24	W	5	o	54	97	7	5	-	10	10	800	1	3	54	53	51	0.3	2	0.7	
	Bristol	209	1012.8	-18	SW	5	rr	57	97	6	5	-	-	10	10	1500	1012.1	+10	WS	3	c/r	55	92	7	5	3	-	7-8	9+	1500	1	*	55	51	49	Tr	1	0.1
	Portland Bill	32	1012.8	-18	SW	5	rr	57	97	6	5	-	-	10	10	1500	1012.6	+10	W	6	o	56	92	7	5	-	10	10	1500	1	4	57	54	52	Tr	2	1.0	
	Plymouth	82	1013.3	+16	SW	5	f	55	97	2	5	-	-	10	10	450	1014.5	+8	WSW	2	z	55	97	6	5	-	10	10	220	1	1	55	53	52	2	7	0.0	
	The Lizard	240	1012.2	+10	SW	4	f	55	97	3	5	-	-	7-8	7-8	800	1014.4	+12	SW	4	d/f	54	97	2	5	-	10	10	450	1	3	55	53	*	3	2	0.3	
	Scilly (St. Mary's)	163	1012.2	+10	SW	4	f	55	97	3	5	-	-	7-8	7-8	800	1014.8	+14	SW	4	d/f	54	97	2	5	-	10	10	1500	1	3	55	53	*	2	1	0.3	
	Guernsey	175	1015.7	-2	SSW	4	id	57	97	7	5	-	-	10	10	2500	1015.5	+6	WSW	4	r/r	58	97	4	5	-	10	10	800	1	3	57	56	51	Tr	2	0.1	
6	Pembroke	142	1008.4	0	SW	6	o/f	55	97	6	5	-	-	10	10	800	1010.5	+12	SW	5	o	55	97	6	5	-	10	10	2500	1	3	55	54	*	Tr	1	0.0	
7	Holyhead	28	1004.0	-16	SW	5	d/d	55	97	4	5	-	-	10	10	220	1005.7	+10	SW	4	c/pr	56	97	8	8	9	-	4-6	10	1500	1	2	55	53	*	Tr	1	0.6
8	Chester (Sealand)	16	1004.0	-16	SW	5	d/d	55	97	4	5	-	-	10	10	220	1005.7	+10	SW	4	c/pr	56	97	8	8	9	-	4-6	10	1500	1	2	55	53	*	Tr	1	0.6
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1005.6	+18	SSW	3	c/r	58	85	8	5	3	-	8	9+	4000	1	*	57	51	49	Tr	1	0.8			
10	Spurn Head	29	1007.8	-22	SW	4	r	51	85	7	5	-	-	10	10	1500	1003.3	-8	WS	4	r/r	56	92	6	5	-	10	10	800	1	3	53	50	*	Tr	2	0.7	
	Catterick	175	1002.2	-36	S	3	Tr	50	92	6	-	2	-	10	10	1500	1006.5	+12	W	4	c	57	85	8	5	7	-	4-6	9+	1500	1	2	52	48	45	Tr	1	0.2
	Tynemouth	108	1002.2	-36	S	3	Tr	50	92	6	-	2	-	10	10	1500	1006.5	+12	W	4	c	57	85	8	5	7	-	4-6	9+	1500	1	2	52	48	45	Tr	1	0.2
11	St. Abbs Head	260	1000.3	-36	S	2	rr	48	97	7	3	2	-	7-8	10	1500	995.9	+20	WSW	6	c/q	56	83	9	5	7	1	2-3	4-6	1500	1	4	51	48	*	Tr	7	1.7
	Leuchars	26	1000.3	-36	S	2	rr	48	97	7	3	2	-	7-8	10	1500	995.2	+18	W	5	bc	56	85	9	5	-	2	2-3	4-6	4000	1	4	52	47	45	Tr	7	0.4
12	Ranfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	999.4	+80	WSW	4	c/d	54	97	6	5	-	-	9+	9+	800	2	*	52	49	47	2	16	0.2			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	999.4	+26	W	5	ir	55	92	7	5	-	-	9+	9+	800	1	*	48	47	46	1	20	0.1			
	Point of Ayre	30	1001.4	-34	WSW	5	rr	55	97	7	6	2	-	7-8	10	1500	1002.6	+22	W	6	c	56	97	7	8	-	4-6	7-8	1500	1	4	54	51	*	Tr	5	0.1	
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	997.5	+22	SW	4	o	53	97	6	5	-	-	10	10	1500	1	3	52	49	48	6	17	0.0			
13b	Stornoway	80	997.0	-48	SE	6	rr	49	97	6	5	2	-	7-8	10	1500	992.5	+20	WSW	6	d/d	52	97	7	5	2	-	7-8	10	1500	1	3	48	46	*	0.4	15	0.0
16	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	994.1	+12	WS	4	c	53	85	7	5	8	-	7-8	9+	1500	1	*	46	42	41	2	6	0.2			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	994.1	+12	WS	1	bc	50	97	6	7	7	-	1	2-3	2500	1	1	52	45	44	0.2	15	1.2			
	Wick	81	997.0	-32	S	3	rr	48	92	6	5	2	-	7-8	10	800	992.6	-6	S	3																		

THE DAILY WEATHER REPORT

BRITISH SECTION

Saturday, 5th November, 1938.

No. 28107.

OF THE METEOROLOGICAL OFFICE, LONDON.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 4th November														OBSERVATIONS at 18h. G.M.T. 4th November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Sea.	Weather.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			Dir.	Force					Low	Med.	High	Low	Total			Height of Base (feet)	Low					Med.	High	Low	Total	Height of Base (feet)			State of Ground.	Sea.	7h.—13h. 4th	13h.—18h. 4th	18h.—4h. 5th	4h.—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)	(35)	(36)	(37)	(38)	(39)	(40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
(For heights see p. 4.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

REPORTS from HEALTH RESORTS for 4th November, 1938.

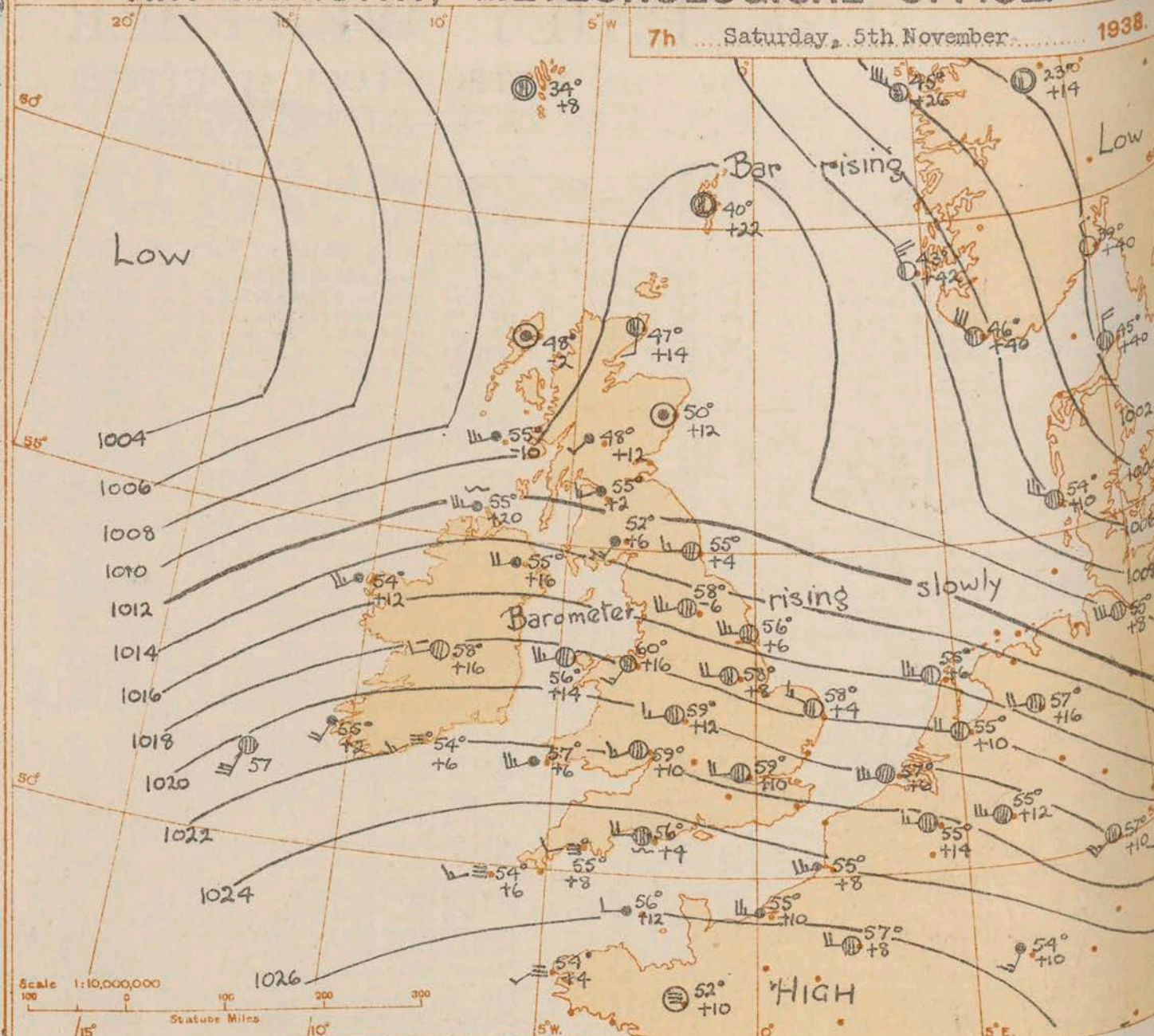
STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
	Forenoon.	Afternoon.	Min. 8h. to 4h.	Max. 4h. to 8h.	Night. 17h. to 4h.	Day. 9h. to 4h.	
1 Tunbridge W.	bcco	o	50	58	1	-	0.6
Bournemouth	oc	o	52	59	5	-	0.1
Ventnor	rofo	of	51	57	3	-	0.0
Southsea	o	o	53	57	1	-	0.0
Bognor Regis	o	oid	51	56	2	Trace	0.0
Littlehampton	co	o	51	57	2	-	0.0
Worthing	o	o	51	57	3	-	0.0
Brighton	c	c	52	57	3	-	0.0
Eastbourne	cd, o	o	54	58	3	0.1	0.0
Hastings	o	o	52	58	4	-	0.0
Folkestone	odo	o	51	59	1	Trace	0.0
Dover	oc	cbcc	52	60	1	-	0.5
Deal	oc	obco	49	61	-	-	1.5
Ramsgate	bc	bc	49	62	-	-	0.9
Margate	bcc	bcc	50	63	-	-	1.0
2 Southend	c	c	51	62	Trace	-	1.4
Clacton-on-Sea	c	cbe	48	62	0.4	-	0.1
Dovercourt	doc	bc	46	63	Trace	-	0.6
Lowestoft	c	c	49	62	1	-	0.0
Skegness	o	cbbc	47	62	3	-	2.2
Mablethorpe	oc	bco	49	62	3	-	1.6
Cleethorpe	c	bccr	48	62	2	Trace	1.3
3 Learnington S.	oc	o	42	62	-	-	0.1
4 Cheltenham	c	co	51	61	Trace	-	0.5
5 Bath	e	c	51	60	0.3	-	0.0
Weymouth	c	bc	54	60	3	-	2.6
Jersey	co	bcc	55	65	Trace	-	0.7
Torquay	bc	bcc	53	60	4	-	3.2
Falmouth	omddo	odpf	51	57	7	Trace	0.0
Penzance	roc	ccomo	53	58	4	Trace	0.0
St. Ives							
Bude	md	md	52	56	1	0.5	0.0
Ilfracombe	cordm	dorra	53	57	2	0.5	0.0
6 Aberystwyth	odd	oFf	51	58	0.5	0.3	0.0
7 Llandudno	cbe	bcc	51	62	1	-	3.7
Colwyn Bay	cbe	bccbe	52	63	0.5	-	2.4
Rhyl	cycbe	bcc	51	64	1	0.6	3.9
8 Wallasey	c	cbcc	50	61	3	-	0.7
Southport	rpoc	coc	51	57	5	0.4	0.1
Blackpool	irc	bcco	51	58	6	0.3	0.9
Morecambe							
9 Ilkley	od, o	o	49	58	2	Trace	0.0
Harrogate	coid	codr	48	58	3	2	0.0
10 Berwick-on-T.	cbe	bc	46	62	7	-	2.9
11 Dunbar	cmofo	cmo	46	59	6	-	0.4
12 Troon	opo	oc	49	55	15	0.5	0.3
Douglas	ed	bcir	50	60	7	Trace	1.8

† 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. 5th November, 1938.
1 S.E. England	Wind southwest, moderate to fresh; cloudy and bright periods; very mild for the time of year.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind southwest, fresh or strong; cloudy with local drizzle and coast fog, but bright periods in lee of larger hill masses; mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	Wind southwest, fresh or strong, cloudy with occasional rain today; bright periods in the east tomorrow; mild.
12 S.W. Scotland & Isle of Man.	
13 A.W. Scotland & B.N.W. Scotland.	Wind variable today becoming southwest, fresh or strong tomorrow; rain today; bright periods tomorrow; average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	As 5 - 8.
19 S.E. Ireland	
20 S.W. Ireland	

H.N. Stationery Office Press, Kingston, W.C.2.

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 remains centred over France and a depression over the Atlantic will move northeastward to the north of Scotland. The weather will continue very mild with much cloud and drizzle in western districts but some bright intervals in the east.

FURTHER OUTLOOK.

Continuing very mild.

Forecasts issued at 1000 G.M.T.

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

[illegible]

‡ Sea disturbance reported from Dangeess.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 6th November, 1938.
No. 28108.

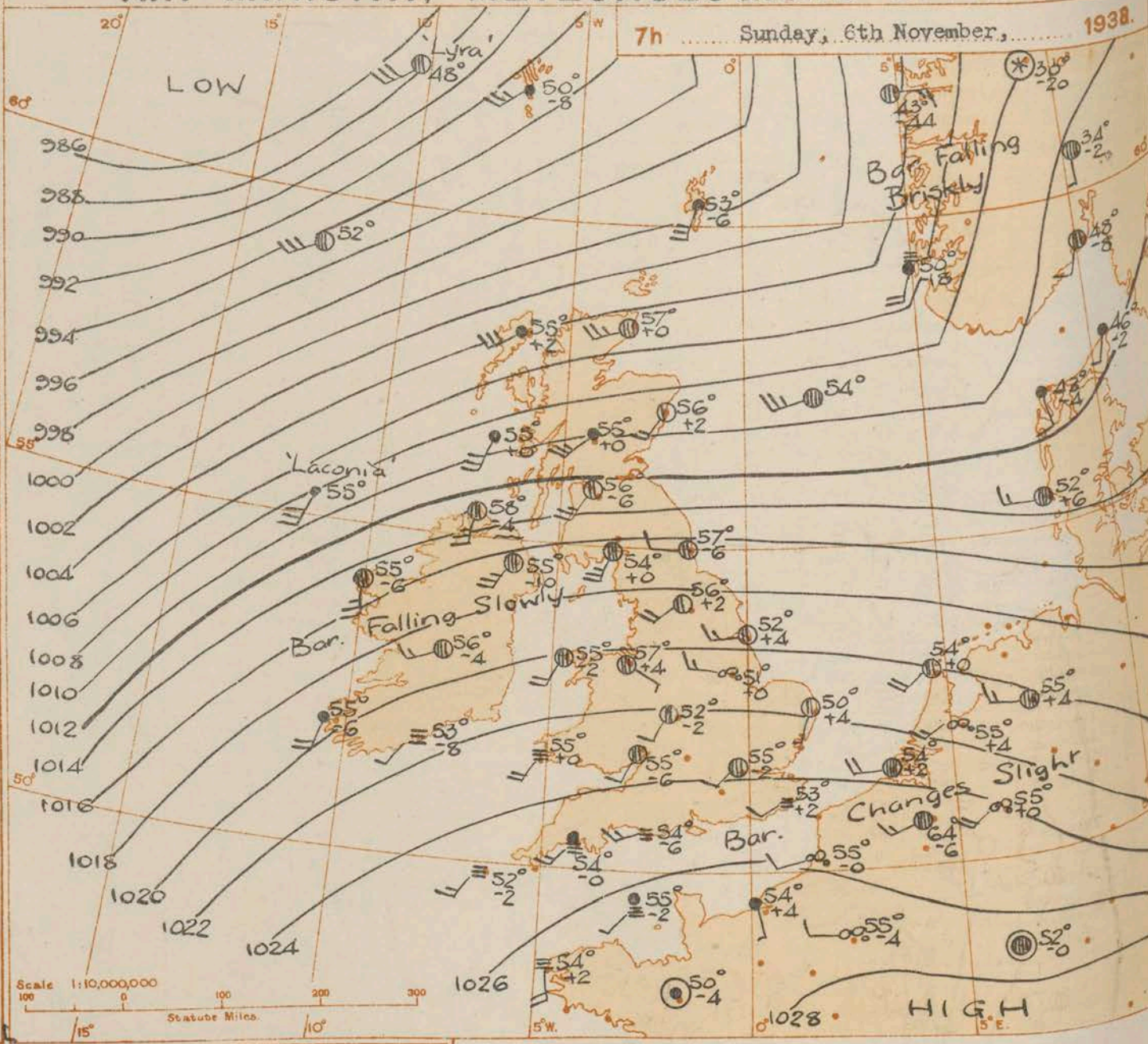
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 5th November														OBSERVATIONS at 18h. G.M.T. 5th November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																											
		Barom. M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	Weather.																																																																																																																																																																																																																																																																																																																																																																																													
									Form.			Amount.									Height of Base (feet)	Form.			Amount.			Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	Weather.																																																																																																																																																																																																																																																																																																																																																																																										
									Low	Med.	High	Low 0-10	Total 0-10									Low	Med.	High	Low 0-10						Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High

REPORTS from HEALTH RESORTS for 5th November 1938.

STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
	Forenoon.	Afternoon.	Min. 4th to 9th 5th.	Max. 9th-17th. 5th.	Night 4th to 9th 5th.	Day 9th-17th. 5th.	
1 Tunbridge W.	b	bcco	56	67	—	—	8.2
Bournemouth	oco	o	55	61	—	—	0.3
Ventnor	of	of	55	57	—	—	0.0
Southsea	ocbc	bcco	56	62	—	—	1.2
Bognor Regis	o	o	55	59	Trace	—	0.0
Littlehampton	oc	c	56	58	—	—	0.1
Worthing	o	o	55	58	—	—	0.0
Brighton	c	c	52	57	—	—	0.0
Eastbourne†	o	om	55	59	Trace	—	0.0
Hastings†	oco	o	55	60	Trace	—	0.2
Folkestone	b	bcco	57	63	—	—	5.5
Dover	bc	bc	56	63	—	—	5.9
Deal	b	b	57	63	—	—	6.3
Ramsgate	bc	bc	51	70	—	—	8.0
Margate	b	bbc	57	68	—	—	7.7
2 Southend	b	b	56	67	Trace	—	7.5
Clacton-on-Sea	bc	bom	55	70	—	—	7.4
Dovercourt	bcy	bc	56	69	—	—	7.4
Lowestoft	bbc	bbcz	56	67	—	—	7.1
Skagness	bc	bc	56	61	Trace	—	4.9
Mablethorpe	obc	bc	55	61	Trace	—	2.5
Cleethorpes	cbc	cbcc	56	64	Trace	—	0.8
3 Leamington S.	bcy	b	54	67	—	—	7.5
4 Cheltenham†	cbcb	bccc	55	64	—	—	7.3
5 Bath	c	cd.	57	60	0.3	0.3	0.1
Weymouth	o	o	56	60	Trace	—	0.0
Jersey	dc	cd	55	60	0.5	Trace	0.0
Torquay	we	bcco	56	61	—	—	1.7
Falmouth	omc	cofed	54	59	0.2	Trace	0.1
Penzance	mc	bcomc	54	60	0.3	Trace	1.1
St. Ives							
Bude...							
Ilfracombe	odo	bcom	55	61	1	—	0.8
6 Aberystwyth	oz	oc	52	58	—	—	0.0
7 Llandudno	cbc	beb	55	62	—	—	4.9
Colwyn Bay	bcc	beb	59	68	—	—	2.5
Rhyl	cbc	beb	57	65	—	—	7.0
8 Wallasey	cbc	beb	54	65	Trace	—	3.2
Southport	ocbc	bcom	54	60	0.3	—	3.0
Blackpool	omo	of	53	57	0.3	Trace	0.1
Morecambe							
9 Ilkley	od.o	o	54	60	3	Trace	0.0
Harrogate	egDe	cbccq	54	59	1	0.1	0.8
Berwick-on-T.	cbc	cbcc	53	61	1	—	3.9
11 Dn ibar	cmof	cmof	51	60	2	Trace	2.4
12 Troon	dcobe	bcccc	52	56	1	Trace	0.3
Douglas	bcbp	bc	55	61	Trace	—	3.3

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. 6th Nov. 1938.

1 S.E. England	Wind southwest, moderate; mainly cloudy but some bright intervals; coastal fog patches in South; very mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind southwest, moderate to fresh; cloudy, coastal drizzle in West; bright periods in lee of larger hill masses; coastal fog; mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Wind southwest to west, moderate or fresh; cloudy and bright intervals; mild.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 5 - 8.
13 { A.W. Scotld. B.N.W. Scot- land.	Wind south to southwest, fresh to strong with gale locally in exposed places; cloudy, coastal drizzle in West; bright periods in lee of larger hill masses; mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 5 - 8.
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2. 1/54/3878 4/1086 9/2182 6/348 33/000 11/30

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 remains centred over France while pressure is low over the Atlantic. A depression south of Iceland is moving slowly northeast. The weather will continue very mild with much cloud, drizzle and coastal fog in Western and extreme Southern districts but some bright intervals in the East.

FURTHER OUTLOOK.

Little change.

Times of issue of Gale Warnings.

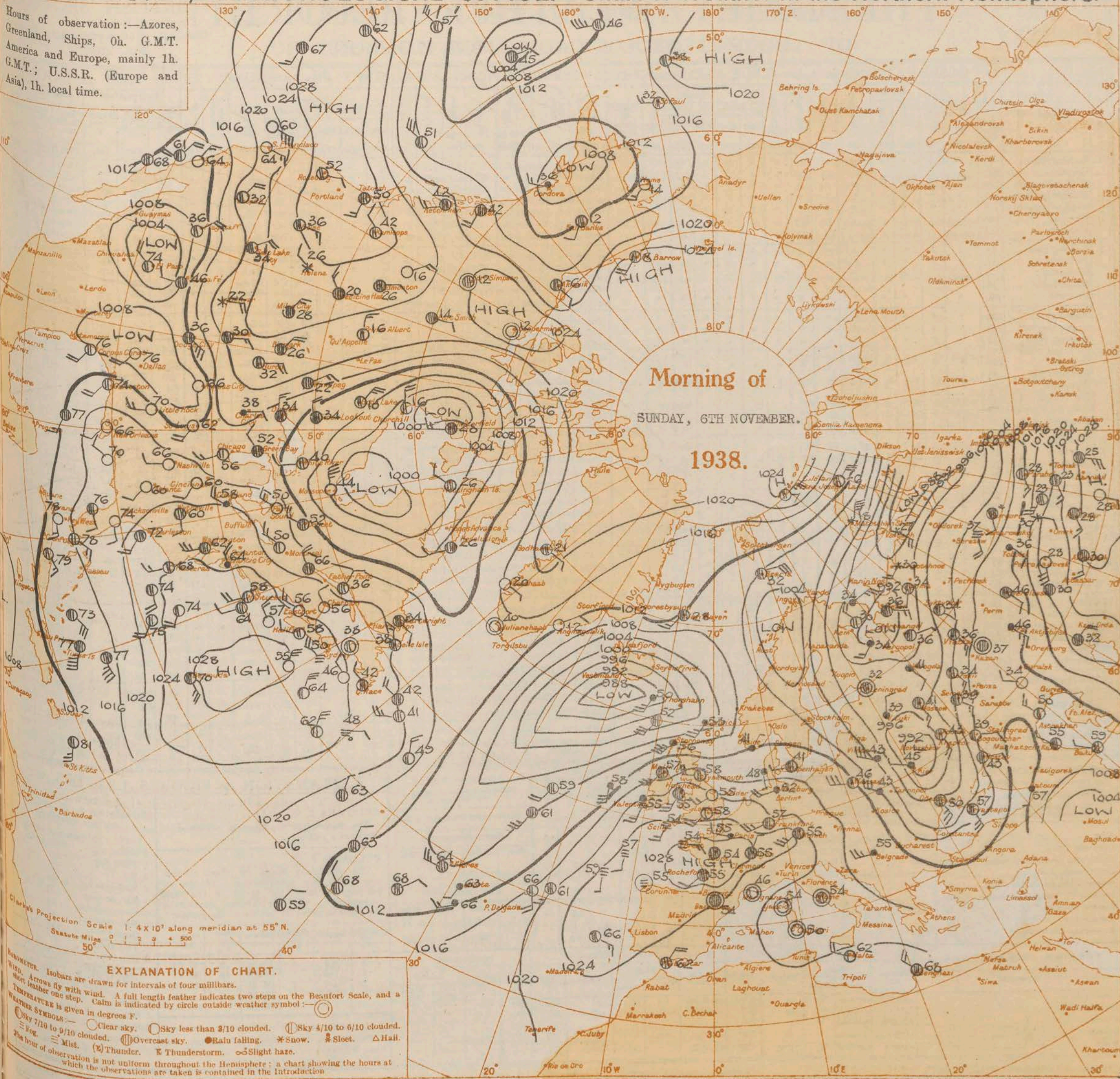
South Cone hoisted 17.30 on 5/11/38 in districts 13, 17 and 18.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.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.

OBSERVATIONS at 1 hr. G.M.T. 5th November														OBSERVATIONS at 7 hr. G.M.T. 6th November														PAST 24 HOURS.												
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	°C. (7)	Visib. 0-9 (8)	Cloud. (9) (10) (11) (12) (13)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. °F. (20)	°C. (21)	Visib. 0-9 (22)	Cloud. (23) (24) (25) (26) (27)					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE. (31) (32) (33)			RAINFALL. (34) (35)		Sun. 0-9 (36)				
					Direc.	Force. 0-12					Low	Med.	High	Low 0-10	Total 0-10			Height of Base. (feet) (14)	Form.					Amount.	Low	Med.	High	Low 0-10			Total 0-10	Height of Base. (feet) (28)	Form.	Amount.	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)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	1024.5	-2	SW	3	c	55	25	7	5	-	-	10	10	1500	1	*	66	55	50	-	-	7.3				
	Croydon	217	1024.9	-2	SW	3	b	58	85	7	5	-	-	1	1	1024.3	-2	SW	3	c	55	22	3	5	-	-	10	10	800	1	*	68	55	53	-	-	7.3			
	S. Farborough	228	*	*	*	*	*	*	*	*	*	*	*	*	1024.7	-2	SW	3	c	53	27	5	5	-	-	10	10	1500	1	*	67	53	52	-	-	5.3				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1024.8	-2	SW	3	c	52	27	5	5	-	-	10	10	220	1	*	63	52	48	Tr	0	1.0				
	Calshot (St. Mary's)	8	*	*	*	*	*	*	*	*	*	*	*	*	1025.3	0	WSW	3	c	53	27	5	5	-	-	10	10	4150	1	*	62	53	53	-	-	0.5				
	Lymington	348	1025.7	-3	WSW	3	m	51	37	4	5	-	-	10	10	1025.6	+2	WSW	3	c	53	27	1	5	-	-	10	10	4150	1	2	66	52	49	-	-	0.5			
	Manston	154	1024.6	-3	WSW	3	b	55	32	3	-	-	-	0	0	1024.1	0	SW	3	c	51	27	6	5	-	-	7.8	7.8	800	1	*	68	49	46	-	-	7.8			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1023.8	0	WSW	3	c	57	22	6	5	-	-	10	10	1500	1	*	68	53	43	-	-	7.6				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1023.0	-2	SW	3	c	54	27	6	5	-	-	10	10	800	0	2	67	52	48	-	-	7.2				
	Gorleston	5	1022.0	+10	WS	2	bc	56	92	3	5	-	-	4.0	4.0	1021.9	+4	SW	1	bc	50	27	6	5	-	-	2.3	2.3	2500	0	2	68	49	47	-	-	7.9			
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	*	1022.4	+2	SW	4	c/d	53	27	6	5	-	-	9	9	1500	1	*	70	50	46	-	-	7.9				
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1021.1	0	WS	3	c	51	27	6	5	-	-	7	0	2.3	1	*	66	50	46	-	-	7.9				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1022.8	-2	SW	2	c	52	27	5	5	-	-	7.8	7.8	450	1	*	67	51	49	-	-	7.9				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1024.0	0	WSW	3	c	54	27	5	5	-	-	10	10	220	1	*	67	50	43	-	-	7.9				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1023.0	-6	WSW	2	c	55	22	8	5	-	-	9	9	2500	1	*	64	53	49	-	-	7.9				
5	Hartland Point	293	1024.7	-2	W	4	bc	55	37	1	-	-	-	10	10	1023.5	+2	WSW	4	bc	55	27	2	5	-	-	10	10	4150	1	3	66	53	53	2	2	0.0			
	Bristol	209	1024.7	-2	W	4	bc	55	37	1	-	-	-	10	10	1024.6	-4	WSW	2	0	54	27	8	5	-	-	10	10	450	1	*	59	54	52	0.1	Tr	0.0			
	Portland Bill	32	1024.7	-2	W	3	bc	55	32	2	5	-	-	10	10	1025.4	-6	WSW	3	bc	54	27	3	5	-	-	10	10	4150	1	3	58	52	52	Tr	0.1	0.0			
	Plymouth	82	1024.7	-2	W	3	bc	55	32	2	5	-	-	10	10	1025.6	0	SW	3	bc	54	27	3	5	-	-	10	10	4150	1	2	57	53	52	Tr	0.0	0.0			
	The Lizard	240	1027.0	0	WSW	3	bc	55	37	1	5	-	-	10	10	1025.6	-6	SW	3	bc	54	27	1	5	-	-	10	10	220	1	2	56	53	*	0.3	0.3	0.0			
	Scilly (St. Mary's)	163	1026.3	-4	WSW	3	f	54	37	2	-	-	-	10	10	1024.6	-2	WSW	3	f	52	27	2	5	-	-	10	10	4150	1	2	56	52	*	0.2	1	0.0			
	Guernsey	175	1027.4	0	WSW	1	bc	55	37	4	9	-	-	10	10	1026.2	-2	SW	1	bc	55	27	3	5	-	-	10	10	450	1	2	57	54	53	0.2	1	0.0			
6	Pembroke	142	1024.6	0	SW	4	bc	54	37	1	-	-	-	10	10	1023.2	0	SW	1	f	55	27	2	5	-	-	10	10	4150	1	2	57	53	*	0.3	1	0.0			
7	Holyhead	26	1021.1	-2	WSW	5	0	55	37	6	5	-	-	10	10	1020.2	-2	WSW	4	bc	55	27	2	5	-	-	10	10	220	1	2	56	53	52	Tr	0.3	7.0			
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	+4	SE	1	c	57	25	8	5	-	-	7.8	7.8	1500	0	*	67	44	41	-	-	1.3				
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	1021.2	+4	NNE	1	c	53	27	6	5	-	-	10	10	1500	0	*	66	50	45	-	-	0.5				
10	Spurn Head	29	1020.1	+3	WSW	3	b	55	35	6	-	-	-	0	0	1019.7	+4	W	3	bc	52	22	6	5	-	-	8	0	2.3	1	2	59	51	*	Tr	Tr	0.5			
	Catterick	175	1020.1	+3	WSW	3	b	55	35	6	-	-	-	0	0	1018.4	+2	WSW	4	bc	53	25	8	5	-	-	4.6	4.6	1500	1	*	62	55	52	Tr	-	1.3			
	Tynemouth	108	1017.1	-2	W	4	bc	58	75	8	2	-	-	4.0	4.0	1016.4	-6	W	2	bc	57	25	7	2	-	-	2.3	2.3	2500	1	1	61	55	50	-	-	0.5			
11	St. Abbs Head	280	1013.6	-2	SW	5	c	57	75	8	2	2	-	4.0	9.0	1013.4	-2	SW	5	bc	56	25	8	5	2	-	7.8	10	2500	0	3	60	56	*	0.2	-	3.4			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	1011.4	-2	WSW	5	bc	56	25	7	5	4	-	4.0	4.0	1500	1	*	61	55	53	1	-	1.1				
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	1012.9	-6	SW	5	bc	56	22	8	5	-	-	4.0	4.0	2500	1	*	59	54	51	0.2	Tr	0.0				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1016.0	0	WSW	5	c	54	22	7	5	-	-	10	10	1500	1	*	58	52	52	1	-	0.0				
	Point of Ayre	30	1018.7	0	WS	5	c	58	85	8	5	-	-	9.0	9.0	1017.7	-4	WS	5	c	57	22	8	8	-	-	9.0	9.0	1500</											

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 7th November, 1938.
No. 28109.

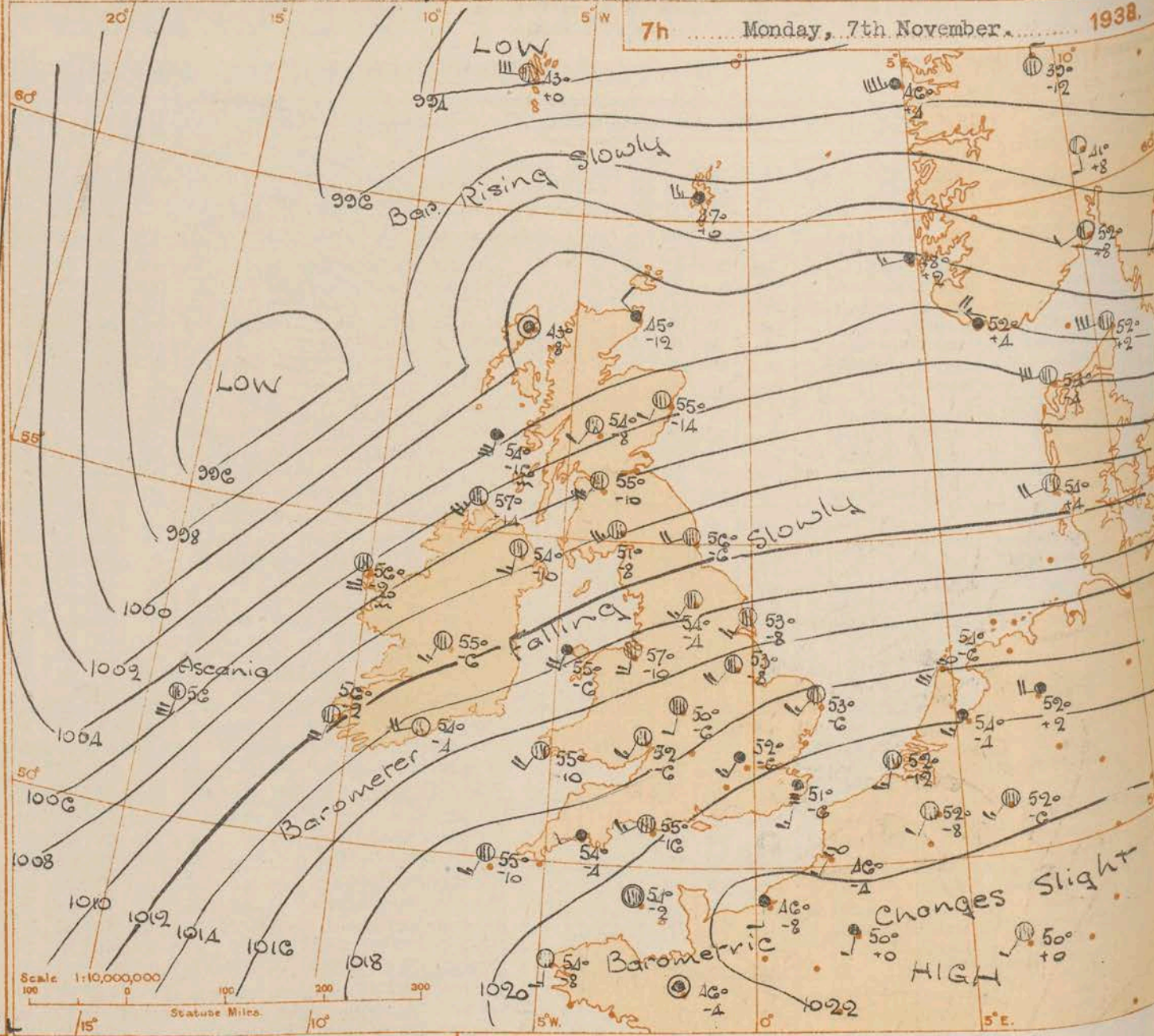
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 6th November														OBSERVATIONS at 18h. G.M.T. 6th November														PAST 24 HOURS.							
																														WEATHER.							
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force 0-12	Weather.	Temp.	Humid.	Visibility 0-9	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force 0-12	Weather.	Temp.	Humid.	Visibility 0-9	Cloud.						State of Ground 0-9	Fog 0-9	7h.—13h. Cath.	13h.—18h. Cath.	18h.—to 1h.—7h. Cath.	1h.—7h. Cath.				
									Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)								Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
(For heights see p. 4.)																																					
1	London (Kew)	1024.4	-12	SW	3	20	56	85	5	5	-	-	10	10	1500	1022.7	-6	SSW	3	20	56	85	6	5	-	-	10	10	2500	1	*	cidom, cmc	cmo	cmo	cidoc		
	Croydon	1024.8	-10	SWW	2	0/d	56	92	6	5	-	-	10	10	800	1023.1	-6	SWW	3	20	55	92	6	5	-	-	10	10	450	1	*	cidom, cmc	cmo	cmo	cidoc		
	S. Farnborough	1024.7	-14	SW's	3	0/d	55	97	6	5	-	-	10	10	450	1023.1	-4	SSW	3	id.	54	97	6	5	-	-	10	10	450	1	*	cidom, cmc	cmo	cmo	cidoc		
	Boscombe Down	1024.7	-14	SWW	2	0/d	55	97	6	5	-	-	10	10	450	1023.1	-4	SSW	3	id.	54	97	6	5	-	-	10	10	450	1	*	cidom, cmc	cmo	cmo	cidoc		
	Calshot (Sthmtn.)	1025.4	-10	SW	2	id.	55	97	6	5	-	-	10	10	450	1023.8	-2	SW	2	ro	54	97	6	5	-	-	10	10	450	1	1	cidom	odfod, d	odfod, d	oid, d		
	Lympe	1025.4	-10	SWW	2	20	54	97	6	5	-	-	10	10	450	1024.4	0	SWW	3	F	52	97	1	-	-	-	10	10	450	1	2	Ffog	om, Fe	fod, mo	of, d		
	Manston	1024.6	-10	SW	3	20	56	92	6	5	-	-	10	10	800	1023.7	-2	SW	3	C	54	92	6	5	-	-	10	10	800	1	*	com	com	oid	od, d		
2	Shoeburyness	1024.0	-10	WSW	3	0	56	92	5	5	-	-	10	10	1500	1023.0	-4	SW	3	C	56	85	6	5	-	-	10	10	1500	1	*	cm, om	cm	cm	om		
	Felixstowe	1023.8	-4	SW's	3	20	57	85	6	5	-	-	10	10	800	1022.7	0	SWW	2	20	55	92	5	5	-	-	10	10	800	0	2	cm, om	cm	om	om		
	Gorleston	1022.0	-6	WSW	3	C	59	85	6	5	-	-	9+	9+	2500	1020.6	0	WSW	3	bc	55	92	6	5	-	-	4-6	4-6	2500	0	2	bcc, 20	cbc	bcc	C		
	Mildenhall	1022.6	-10	SW	4	20	57	85	6	5	-	-	9+	9+	2500	1021.1	-6	SW's	4	20	56	92	6	5	-	-	9+	9+	1500	1	*	cm	cm	cm	C		
	Cranwell	1020.9	-10	WSW	4	20	60	92	6	5	-	-	4-6	4-6	2500	1019.8	-4	SW's	4	b	55	92	7	-	-	-	0	0	-	1	*	bcc, mo	bcc, mo	bcc, mo	C		
3	Birmingham	1022.2	-4	SW	3	bc	60	75	8	7	-	-	2-3	2-3	2500	1021.2	-4	SSW	3	bc	53	92	6	5	-	-	4-6	4-6	1500	1	*	cbc	bc, bc	bcc	Co		
	Upper Heyford	1023.4	-10	SW	3	C	57	92	7	5	-	-	10	10	800	1022.4	-2	SW	4	20	54	92	6	5	-	-	9+	9+	450	1	*	cm, od, c	cc, mo	cc, mo	cc, mo		
4	Ross-on-Wye	1022.5	-12	SW	3	bc	59	85	7	7	-	-	4-6	4-6	2500	1021.4	-8	SW's	3	C	56	85	7	5	-	-	10	10	2500	1	*	bcc, bc	bcc, bc	C	C		
5	Hartland Point	1023.2	-10	WSW	4	C	55	97	8	5	-	-	9	9	1500	1021.5	0	W	4	C	53	97	7	5	-	-	9	9	800	1	3	ff, d, c	C	oid, o	C		
	Bristol	1024.2	-10	SWW	2	C	57	85	8	5	-	-	9+	9+	800	1022.5	-6	SW	1	C	55	92	7	5	-	-	9+	9+	800	1	3	od, c	C	C	C		
	Portland Bill	1026.2	-6	WSW	3	ff	54	92	3	5	-	-	10	10	450	1023.6	-10	SW	3	0	54	85	7	5	-	-	10	10	1500	1	3	off	fo	o	oid		
	Plymouth	1024.8	-10	SW	3	id.	54	97	5	5	-	-	10	10	220	1023.4	-4	SSW	3	id.	53	97	6	5	-	-	10	10	220	1	2	off, d, d	oid, mo	oid, mo	oid, mo		
	The Lizard	1024.7	-12	SSW	3	m	53	97	4	5	-	-	10	10	800	1023.3	-8	SSW	3	C	52	97	6	5	-	-	10	10	1500	1	2	F, fo	oir, r	cbc, w	bcc, pr		
	Scilly (St. Mary's)	1023.7	-14	SW	3	ff	54	97	6	5	-	-	7-8	7-8	450	1022.1	-2	SW	3	0/d	54	97	7	5	-	-	10	10	800	1	2	off, f	oid, o	oid, mo	oid, c		
	Guernsey	1025.5	-12	SSW	1	of	54	97	3	5	-	-	10	10	450	1024.0	-4	S	1	d, o, d	52	97	4	5	-	-	10	10	450	1	2	oid, f	oid, f	oid, f	oid, o		
6	Pembroke	1023.0	-6	SW	4	if	54	92	6	5	-	-	10	10	800	1020.7	-8	SW's	4	C	55	97	7	5	-	-	7-8	10	1500	1	3	od, f, f, q	id, mo	cid, o	eq, id, o		
7	Holyhead	1020.0	-6	SSW	5	d, o, d	55	97	6	5	-	-	9	10	220	1018.1	-6	SSW	5	d, o, d	54	97	6	5	-	-	9	10	220	1	2	od, o, d, mo	mo, d, o, c	do, mo, r, c	mo, d, o, c		
8	Chester (Sealand)	1020.1	-16	SW	4	bc	62	75	8	5	-	-	2-3	2-3	1500	1019.3	-6	SW	2	b	56	75	8	5	-	-	1	1	1500	0	*	bcc, bc	bc	bcc	bcc		
	Manchester	1020.5	-12	SSW	3	C	62	75	7	7	-	-	7-8	7-8	4000	1019.0	-6	SW	3	b	57	75	7	1	-	-	1	1	4000	1	*	cm, c	gb, mo, b	b, c	C		
10	Spurn Head	1019.7	-4	SW	4	bc	61	75	6	3	8	0	2-3	-	-	1018.8	-6	SSW	2	b	53	92	5	-	-	0	0	-	1	2	bc	bc, w	b, bc, w	bcc			
	Catterick	1016.6	-24	SWW	6	b	59	75	8	4	-	-	1	1	2500	1016.7	+4	WN	4	bc	55	85	8	5	-	-	4	6	Tr	2-3	1500	1	*	bc	bc	bc	bc
	Tynemouth	1016.4	-10	W	4	bc	62	65	6	2	-	-	4-6	4-6	1500	1014.7	-6	SW	5	bc	57	65	7	2	-	-	2	2-3	4-6	2500	1	2	bc	bc	bc	bcc	
11	St. Abbs Head	1011.8	-10	SW	7	bcq	59	75	8	8	6	-	2-3	4-6	2500	1011.7	-4	SW	6	Cq	55	85	8	5	-	-	4-6	7-8	2500	0	3	bcq	C	Cq	Cq		
	Leuchars	1011.4	-6	WSW	5	C	58	85	7	5	-	-	9+	9+	1500	1010.0	-6	WSW	5	C	58	85	7	5	-	-	9	9	1500	1	*	bcq, Cq	Cq	bcq	Cq, d, o, mo		
	Renfrew (Abbots I.)	1013.1	-6	SW's	4	C	58	85	8	5	-	-	10	10	1500	1012.1	-4	SW's	4	C	57	92	7	5	-	-	9+	9+	1500	1	*	bc, d, o, c	id, c, bc	cbc	bcc, id, o		
	Eskdalemuir	1015.3	-8	SW	6	dd	54	97	6	2	-	-	10	10	220	1014.0	-2	SW	6	dd	53	92	5	-	-	2	10	10	220	1	*	ro, c, dd	odd	dd, ro	Cir		
	Point of Ayre	1016.9	-8	W's	7	bc	61	85	7	5	-	-	2-3	2-3	1500	1016.6	-2	WSW	2	C	55	97	7	5	-	-	9+	9+	800	0	2	bcq	bc	C	C		
13a	Tiree	1010.1	-4	SW's	5	ro	55	97	5	2	-	-	10	10	800	1008.3	-8	SW's	6	rr	55	97	5	-	-	2	10	10	800	1	4	or, rr	orr	rr, id	oir		
13b	Stornoway	1009.2	-12	SW	6	pr	56	92	7	5	7	-	9	10	2500	1006.0	+8	W	4	rr	54	97	6	5	-	-	7-8	10	1500	1	2	cid	err	cir	err		
15	Dalwhinnie	1009.3	-14	SW	5	C	57	85	7	5	6	-	4-6	7-8	2500	1008.5	-4	SW	5	C	5																

REPORTS from HEALTH RESORTS for 7th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 5th to 9h. 10h.	Max. 9h. 10h. to 5h. 10h.	Night. 17h. 5th to 9h. 10h.	Day. 9h. 10h. to 5h. 10h.	
1	Tunbridge W.	o	o	52	57	-	-	0.0
	Bournemouth	o	o	53	56	0.3	Trace	0.0
	Ventnor	pofo	odf	53	55	0.3	0.3	0.0
	Southsea	o	o	53	56	Trace	Trace	0.0
	Bognor Regis	o	o	53	56	Trace	Trace	0.0
	Littlehampton	o	o	54	55	0.2	0.1	0.0
	Worthing	o	o	54	56	Trace	Trace	0.0
	Brighton	cd	cd	53	55	0.1	Trace	0.0
	Eastbourne	o	o	54	58	0.2	0.1	0.0
	Hastings	o	o	53	58	Trace	Trace	0.0
	Folkestone	feo	feo	53	56	Trace	Trace	0.0
	Dover	o	o	54	57	Trace	Trace	0.0
2	Deal	o	o	54	58	-	-	0.1
	Ramsgate	o	o	53	57	-	-	0.0
	Margate	o	o	53	58	-	-	0.0
	Southend	o	o	52	55	Trace	-	0.0
	Clacton-on-Sea	cm	com	51	57	0.2	-	0.0
	Dovercourt	woc	ocq	52	59	Trace	-	0.0
	Lowestoft	c	c	50	58	-	-	0.1
	Skegness	bc	bc	48	60	-	-	4.3
	Mablethorpe	bc	bc	50	61	-	-	7.1
	Cleethorpes	bebz	b	50	63	-	-	8.1
	Leamington S.	o	cbc	53	61	Trace	-	1.6
	Cheltenham	modc	co	51	58	-	-	0.5
3	Bath	cbc	c	55	59	Trace	-	0.3
	Weymouth	o	o	55	56	1	Trace	0.0
	Jersey	rof	fe	54	55	1	-	0.0
	Torquay	o	o	53	57	-	-	0.0
	Falmouth	ofemo	o	53	54	0.6	-	0.0
	Penzance	noide	oide	53	55	0.5	Trace	0.0
	St. Ives	c	c	52	59	0.4	-	0.3
	Bude	c	c	54	59	Trace	-	0.3
	Ilfracombe	oc	ocbc	54	59	Trace	-	0.3
	Aberystwyth	prc	bcc	52	59	0.5	-	2.0
	Llandudno	b	b	55	62	-	-	8.4
	Colwyn Bay	bc	b	51	63	-	-	8.3
4	Rhyl	b	b	55	61	-	-	7.7
	Wallassey	b	b	50	60	-	-	6.3
	Southport	ozcbc	bcc	55	63	-	-	4.2
	Blackpool	dommo	m, bcb	53	58	2	0.3	1.5
	Morecambe	-	-	-	-	-	-	-
	Ilkley	bcb	bc	53	58	0.3	-	2.0
	Harrogate	bcb	bc	53	58	-	-	4.5
	Berwick-on-T.	cbcc	bcc	56	60	-	-	2.3
	Dunbar	bc	bc	52	63	-	-	2.4
	Troon	ococ	coc	54	57	-	-	0.2
	Douglas	cido	cido	54	55	Trace	Trace	0.0

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th November, 1938.

1 S.E. England	Wind south to southwest, light to moderate; mainly cloudy with slight local drizzle; some fair periods; local coast and hill fog; mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	Wind south to southwest, moderate to fresh, strong at times in West and North; mainly cloudy with local rain or drizzle; some fair periods; local coast and hill fog; mild.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl. 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	

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 high over Central Europe and a deepening depression off West Scotland will probably move northeast and then east and be followed by another depression north of the Azores. Weather will continue mild and cloudy with occasional rain in North Scotland and slight rain or drizzle elsewhere. Fair periods will occur locally chiefly in eastern districts.

FURTHER OUTLOOK.

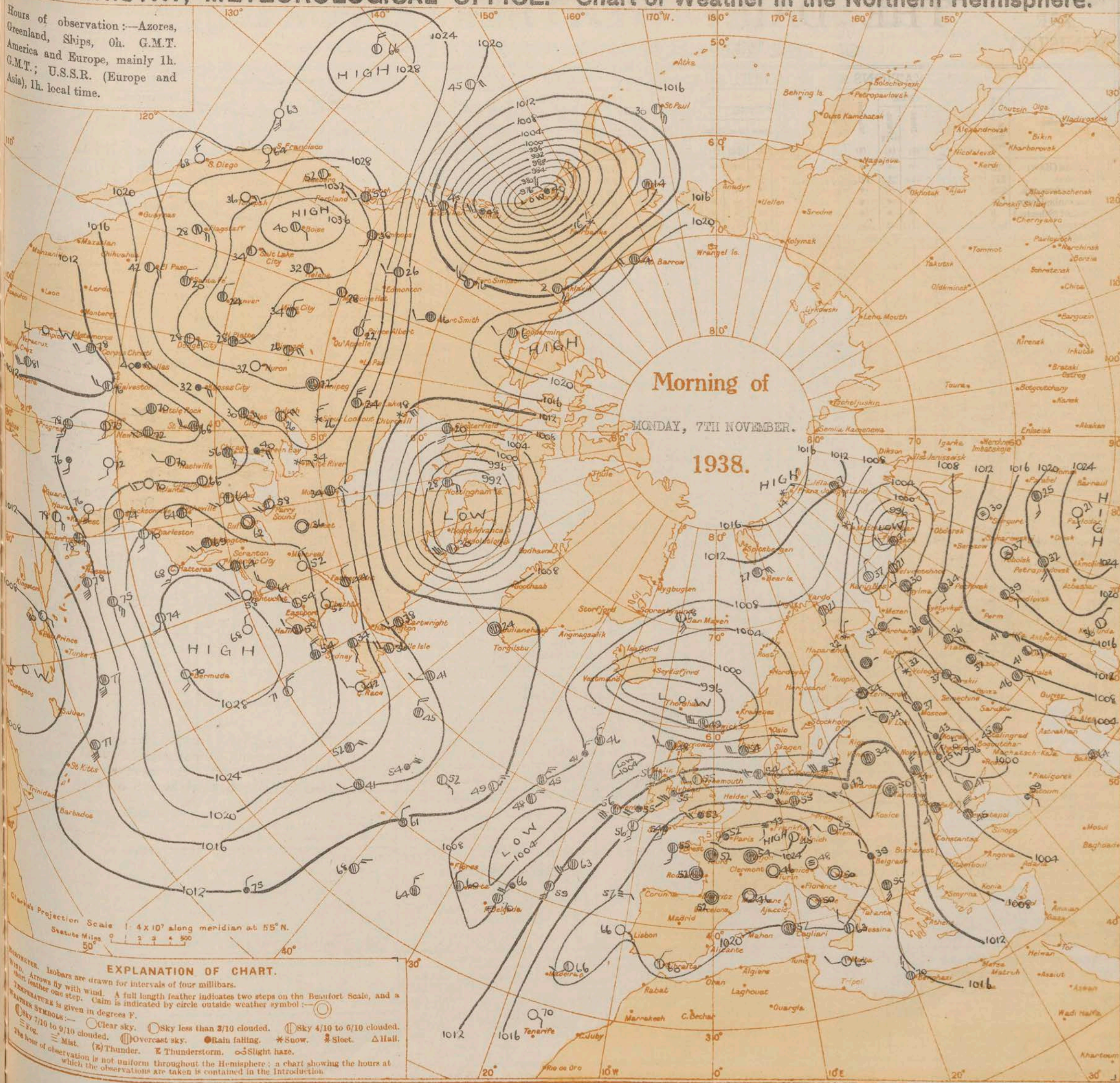
Similar conditions.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.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
Monday, 7th November, 1938.
No. 28109.

OBSERVATIONS at 1 hr. G.M.T. 7th November														OBSERVATIONS at 7 hr. G.M.T. 7th November														PAST 24 HOURS.											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %.	Visibility.	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %.	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sunshine.			
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	State of Ground.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																		Low.	Med.		High.	Low.	Total.
1	London (Kew)	18	1021.7	-8	SW	3	id.	53	92	7	5	-	-	10	10	800	1019.5	-8	SW	3	id.	52	92	7	5	-	-	10	10	1500	1	*	57	53	51	Tr	Tr	0.0	
	Croydon	217	1021.7	-8	SW	3	id.	53	92	7	5	-	-	10	10	800	1019.6	-6	SW	3	id.	52	92	7	5	-	-	10	10	450	1	*	57	51	51	Tr	Tr	0.0	
	S. Farnborough	228	1021.7	-8	SW	3	id.	53	92	7	5	-	-	10	10	800	1019.4	-2	SW	2	id.	51	97	7	5	-	-	10	10	1500	1	*	56	51	50	Tr	Tr	0.0	
	Boscombe Down	417	1021.7	-8	SW	3	id.	53	92	7	5	-	-	10	10	800	1019.5	-4	SW	2	id.	51	97	7	5	-	-	10	10	1500	1	*	56	50	49	Tr	Tr	0.0	
	Calshot (Stmntn.)	8	1022.5	-10	SW	4	id.	52	97	6	5	-	-	10	10	450	1020.1	-6	SW	2	id.	53	97	5	5	-	-	10	10	800	1	1	56	51	50	Tr	Tr	0.0	
	Lympne	346	1022.5	-10	SW	4	id.	52	97	6	5	-	-	10	10	450	1020.7	-8	SW	3	id.	51	97	2	5	-	-	10	10	450	1	2	55	51	49	Tr	Tr	0.0	
	Manston	154	1022.0	-6	WSW	3	id.	53	97	7	5	-	-	10	10	450	1019.4	-12	SSW	4	id.	52	97	6	5	-	-	10	10	450	1	*	57	52	51	Tr	Tr	0.0	
2	Shoeburyness	11	1019.9	-4	WSW	4	c	54	85	6	5	-	-	10	10	2500	1019.6	-8	SW	3	o	52	92	6	5	-	-	10	10	1500	1	*	58	52	51	Tr	Tr	0.0	
	Felixstowe	15	1019.9	-4	WSW	4	c	54	85	6	5	-	-	10	10	2500	1019.2	-2	SW	3	o	52	92	6	5	-	-	10	10	450	0	1	58	51	51	Tr	Tr	0.0	
	Gorleston	6	1019.9	-4	WSW	4	c	54	85	6	5	-	-	10	10	2500	1018.1	-6	SW	3	c	53	92	6	5	-	-	10	10	2500	0	2	59	53	51	Tr	Tr	0.0	
	Mildenhall	19	1019.9	-4	WSW	4	c	54	85	6	5	-	-	10	10	2500	1017.9	-6	SW	3	id.	52	92	7	5	-	-	10	10	800	0	*	58	52	51	Tr	Tr	0.0	
	Cranwell	240	1019.9	-4	WSW	4	c	54	85	6	5	-	-	10	10	2500	1016.6	-8	SW	4	c	53	85	7	5	-	-	9	9	1500	0	*	61	52	48	Tr	Tr	7.4	
3	Birmingham	535	1017.3	-6	SSW	2	o	50	92	8	5	-	-	10	10	800	1017.3	-6	SSW	2	o	50	92	8	5	-	-	10	10	800	1	*	62	50	49	Tr	Tr	2.9	
	Upper Heyford	408	1017.3	-6	SSW	2	o	50	92	8	5	-	-	10	10	800	1018.4	-4	SW	3	o/d	50	97	6	5	-	-	10	10	450	1	*	58	49	49	Tr	Tr	4.7	
4	Ross-on-Wye	223	1017.8	-6	SW	3	c	52	85	7	5	-	-	10	10	1500	1017.8	-6	SW	3	c	52	85	7	5	-	-	10	10	1500	1	*	61	51	50	Tr	Tr	0.3	
5	Hartland Point	299	1019.0	-20	WSW	3	o	52	97	7	5	-	-	10	10	1500	1019.0	-20	WSW	3	c	53	92	8	5	-	-	9	9	1500	1	3	55	50	50	Tr	Tr	0.0	
	Bristol	209	1019.0	-20	WSW	3	o	52	97	7	5	-	-	10	10	1500	1019.1	-4	SW	3	c	52	85	8	5	-	-	10	10	1500	1	*	58	52	47	Tr	Tr	0.0	
	Portland Bill	32	1021.8	-8	WSW	3	o	53	92	7	5	-	-	10	10	1500	1019.4	-16	WSW	3	o	55	92	7	5	-	-	10	10	1500	1	3	57	52	*	Tr	Tr	0.0	
	Plymouth	82	1021.8	-8	WSW	3	o	53	92	7	5	-	-	10	10	1500	1019.1	-4	WSW	2	id.	54	97	6	5	-	-	10	10	800	1	2	56	53	51	Tr	Tr	0.0	
	The Lizard	240	1021.5	-6	SSW	2	bc	53	97	8	5	-	-	4.6	4.6	2500	1018.9	-8	SSW	3	c	54	97	8	5	-	-	9	10	2500	1	2	55	51	*	Tr	Tr	0.0	
	Scilly (St. Mary's)	163	1020.2	-12	SW	3	id.	54	97	7	5	-	-	10	10	800	1018.2	-10	SW	3	c	55	97	8	5	-	-	7.8	10	1500	1	2	55	53	*	Tr	Tr	0.0	
	Guernsey	175	1020.2	-8	SSW	1	d.	52	97	5	5	-	-	10	10	800	1020.4	-2	o	o	54	97	9	5	-	-	10	10	1500	1	0	55	51	51	Tr	Tr	0.0		
6	Pembroke	142	1018.8	-10	SW	4	c	55	97	7	8	2	-	7.8	10	2500	1017.0	-10	SW	4	cq	55	92	7	8	2	-	9	10	1500	1	3	55	52	*	Tr	Tr	0.0	
7	Holyhead	26	1015.6	-14	SSW	5	id.	55	97	6	5	-	-	10	10	220	1013.5	-6	SW	5	id.	55	97	7	5	-	-	10	10	450	2	2	56	54	52	Tr	Tr	0.0	
	Chester (Sealand)	16	1015.6	-14	SSW	5	id.	55	97	6	5	-	-	10	10	220	1014.9	-10	SW	4	c	57	75	8	5	-	-	9	9	2500	0	*	63	56	48	Tr	Tr	4.2	
8	Manchester	70	1015.1	-8	SSW	4	c	55	75	7	5	-	-	9	9	2500	1015.1	-8	SSW	4	c	55	75	7	5	-	-	9	9	2500	1	*	65	52	45	Tr	Tr	7.1	
10	Spurn Head	29	1017.5	-2	SW	4	bc	53	85	7	4	-	-	0	2.3	-	1015.3	-8	SW	3	c	53	85	6	5	-	-	10	10	1500	0	2	61	52	*	Tr	Tr	7.5	
	Catterick	175	1017.5	-2	SW	4	bc	53	85	7	4	-	-	0	2.3	-	1012.7	-4	SW	3	c	54	85	8	5	-	-	9	4.6	7.8	1500	1	*	61	53	49	Tr	Tr	7.0
	Tynemouth	108	1012.7	-12	WSW	3	bc	55	85	7	2	-	-	4.6	4.6	2500	1011.3	-6	WSW	4	c	56	75	7	8	-	-	9	9	1500	1	1	63	54	48	Tr	Tr	7.0	
11	St. Abbs Head	280	1009.4	-6	SW	6	cq	56	85	9	8	6	-	4.6	7.8	2500	1008.2	-8	SW	6	cq	54	85	8	8	2	-	7.8	9	1500	0	3	59	53	*	Tr	Tr	1.7	
	Leuchars	36	1009.4	-6	SW	6	cq	56	85	9	8	6	-	4.6	7.8	2500	1006.3	-8	WSW	5	c/d	54	97	7	5	-	-	9	9	800	1	*	5						

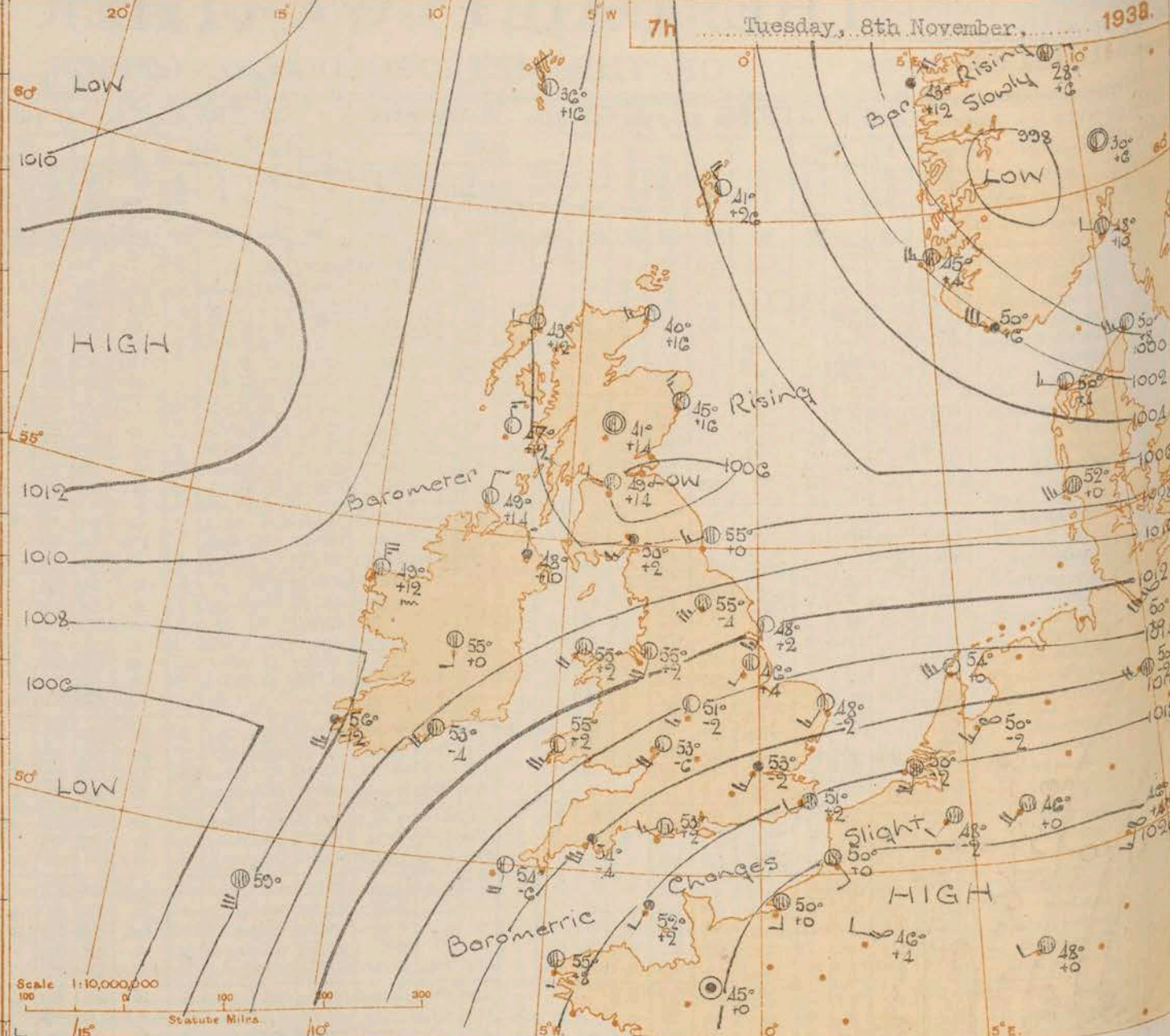
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 7th November														OBSERVATIONS at 18h. G.M.T. 7th November														PAST 24 HOURS.									
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-6	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-6	Cloud.				State of Ground.	Sea.	WEATHER.											
				Dir.	Force 0-12					Form.	Amount.	Height of Base (feet)	Dir.			Force 0-12	Form.					Amount.	Height of Base (feet)	7h.—13h. 7h.	13h.—18h. 7h.			18h.—7h. 8h.	7h.—13h. 8h.										
																														Low	Med.	High	Low 0-10	Total 0-10	Low	Med.	High	Low 0-10	Total 0-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)						
	(For heights see p. 4.)																																						
1	London (Kew)	1018.4	-12	SW	2	dod.	55	85	6	5	-	-	10	10	1500	1017.4	+4	SW	3	Zo	56	75	6	5	-	-	10	10	1500	1	*	cd	id	mo	cd				
	Croydon	1018.3	-10	SW	2	id.	56	85	7	5	-	-	7-8	10	1500	1017.3	+2	SW	2	Zo	55	75	6	5	-	-	10	10	1500	1	*	oid	id	cm	cd				
	S. Farnborough	1018.7	-6	WS	3	id.	54	92	8	7	-	-	10	10	1500	1017.9	+4	SW	2	C	54	85	8	5	-	-	10	10	2500	1	*	oid	id	cm	cd				
	Boscombe Down	1018.7	-10	WS	3	id.	55	85	8	5	-	-	10	10	1500	1018.1	+6	SW	2	C	54	85	8	5	-	-	9+	9+	4000	1	*	oid	id	cm	cd				
	Calshot (Stmntn.)	1013.5	-6	SW	3	id.	57	85	8	4	-	-	9+	9+	1500	1018.8	+4	SW	3	C	55	85	8	5	-	-	9+	9+	1500	1	2	oid	id	cm	cd				
	Lympe	1019.6	-10	SW	3	id.	53	97	8	5	7	-	9	10	1500	1019.0	0	SW	2	Zo	52	97	5	5	-	-	10	10	450	1	2	Fdd	om	cm	cd				
	Manston	1018.8	-14	SW	3	id.	55	85	6	5	-	-	10	10	1500	1018.3	+2	SW	2	C	54	92	7	5	-	-	10	10	2500	1	*	oid	id	cm	cd				
2	Shoeburyness	1018.5	-12	SW	4	Zo	56	85	6	5	-	-	10	10	1500	1017.7	+4	WSW	2	C	55	75	7	5	-	-	10	10	2500	1	*	om	id	cm	cd				
	Felixstowe	1018.3	-10	SW	2	Zo	54	85	6	5	-	-	10	10	1500	1017.3	+2	SW	3	Zo	55	85	5	5	-	-	10	10	1500	0	2	oid	id	cm	cd				
	Gorleston	1017.1	-6	WS	3	C	53	85	6	6	-	-	10	10	1500	1015.9	+2	SW	3	C	53	75	6	5	-	-	9+	9+	2500	0	2	co	oc	cb	bc				
	Mildenhall	1017.2	-12	SSW	4	C	54	85	7	5	2	-	7-8	9+	1500	1016.0	+2	SW	4	C	55	75	7	5	-	-	7-8	7-8	2500	0	*	oid	id	cm	cd				
	Cranwell	1015.4	-10	SSW	4	C	55	85	7	5	-	-	9+	9+	1500	1014.3	0	SSW	3	Zo	51	85	6	5	4	-	Tr	1	2500	0	*	em	oc	cc	mo				
3	Birmingham	1015.8	-10	SW	3	C	55	75	8	8	-	-	9+	9+	2500	1015.6	+2	SSW	2	C	53	75	8	5	-	-	7-8	7-8	2500	1	*	oc	cm	cb	bc				
	Upper Heyford	1017.5	-14	WSW	3	C	55	85	7	5	-	9	9+	9+	1500	1016.9	+6	SW	3	bc	52	85	7	5	-	-	4-6	4-6	2500	1	*	oid	id	cm	cd				
4	Ross-on-Wye	1016.6	-12	SW	3	C	56	85	8	5	-	-	9+	9+	2500	1016.3	0	WSW	2	C	54	75	7	5	-	-	9	9	2500	1	*	C	C	C	C				
5	Hartland Point	1016.8	-10	WSW	4	C	55	92	8	5	-	-	9	9	1500	1016.3	+4	W	4	C	56	85	8	5	-	-	9	9	1500	1	3	C	C	C	C				
	Bristol	1018.2	-6	SW	2	C	56	85	8	5	-	-	9+	9+	2500	1017.5	+6	SW	2	C	54	85	7	5	-	-	9	9	2500	1	*	cd	C	C	C				
	Portland Bill	1018.8	-8	WSW	3	C	55	92	7	5	-	-	10	10	2500	1018.1	-4	W	3	C	56	92	8	5	-	-	10	10	2500	1	3	cpr	C	C	C				
	Plymouth	1018.7	-6	SSW	3	C	57	92	8	5	-	-	10	10	2500	1017.9	+2	SW	2	C	56	85	7	5	-	-	10	10	2500	1	2	id	cm	C	C				
	The Lizard	1019.1	-4	S	3	C	56	97	8	8	2	-	7-8	9+	2500	1018.3	0	SW	3	C	55	92	8	5	3	-	7-8	9+	2500	1	2	C	C	C	C				
	Scilly (St. Mary's)	1018.0	-14	SSW	4	C	57	85	8	5	3	-	4-6	7-8	2500	1017.3	0	SSW	3	C	55	92	8	5	3	-	7-8	9+	2500	1	2	C	C	C	C				
	Guernsey	1020.0	-4	SSW	1	C	56	92	7	8	-	-	9+	9+	1500	1019.3	+2	WS	1	C	53	92	6	8	-	-	10	10	1500	1	1	oc	id	C	C				
6	Pembroke	1016.5	-6	WS	5	bc	56	75	7	5	4	8	2-3	4-6	4000	1015.7	-4	SW	5	C	56	85	7	8	2	-	7-8	10	1500	1	3	cbc	bc	cbc	bbc				
	Holyhead	1012.8	-12	SSW	5	C	56	85	7	5	1	-	9+	9+	1500	1012.1	+6	WS	5	C	55	85	8	5	3	6	7-8	7-8	2500	1	3	C	C	C	C				
	Chester (Sealand)	1013.9	-16	SW	2	C	60	65	8	5	-	-	7-8	7-8	4000	1013.0	0	SSW	3	bc	55	75	7	2	-	1	2-3	2-3	2500	0	1	cbc	bc	bbc	C				
	Manchester	1013.8	-12	SSW	4	C	58	75	7	5	-	-	9+	9+	4000	1013.1	0	SSW	4	Zo	54	75	6	7	-	-	4-6	4-6	4000	1	*	cbc	bc	bc	bbc				
10	Spurn Head	1013.9	-6	SW	4	bc	57	75	6	5	8	-	4-6	4-6	4000	1012.9	-6	SW	3	b	53	85	6	-	-	0	0	-	0	0	0	2	C	cb	bc	cb			
	Catterick	1011.4	-14	SW	4	bc	57	75	8	7	3	9	4-6	4-6	1500	1010.9	+4	SW	4	C	55	75	7	5	-	9	4-6	7-8	1500	1	*	bc	bc	bc	cb				
	Tynemouth	1008.4	-12	WSW	5	bc	59	65	6	8	-	2	2-3	4-6	2500	1008.5	+8	SW	4	C	56	75	7	8	-	-	7-8	7-8	1500	1	2	cbc	bc	bc	co				
11	St. Abbs Head	1004.6	-16	SW	7	g	56	85	8	8	6	-	4-6	7-8	1500	1005.9	+8	SSW	3	ir	54	92	7	3	2	-	4-6	10	1500	1	3	bc	cc	cc	cc				
	Leuchars	1003.8	-16	WSW	5	C	57	85	7	5	7	-	9	9+	1500	1003.9	+6	WSW	4	ir	56	92	6	6	2	-	7-8	10	800	1	*	cc	cc	cc	cc				
	Renfrew (Abbots L.)	1006.0	-8	SW	5	dd	55	92	6	5	2	-	9	10	800	1005.4	0	SW	4	ir	55	92	6	5	2	-	7-8	10	800	1	*	id	cc	cc	cc				
	Esdaletmuir	1007.2	-12	SW	7	C	54	85	7	5	-	-	10	10	800	1006.6	+2	SW	8	C	52	85	6	5	-	-	10	10	800	1	*	id	cc	cc	cc				
	Point of Ayre	1010.2	-10	WSW	5	C	61	75	8	5	6	6	4-6	7-8	800	1009.6	+2	SW	5	C	55	85	7	5	6	9	1	9	800	0	3	bc	cc	cc	cc				
13	Tiree	1002.9	+2	WSW	5	rr	54	97	6	-	2	-	10	10	1500	1003.0	+8	NNW	3	ir	45	97	6	-	2	-	9+	9+	1500	1	4	rr	cc	cc	cc				
13	Stornoway	1003.2	0	W	3	C	46	92	8	5	2	-	7-8	10	2500	1003.5	+6	WSW	2	C	45	92	7	5	2	-	7-8	10	2500	1	1	rr	cc	cc	cc				
15	Dalwhinnie	1002.6	-6	SW	3	rr	53	92	6																														

STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hr.)
	Forenoon.	Afternoon.	Min. 9h. to 7h.	Max. 9h. to 7h.	Night. 7h. to 9h.	Day. 9h. to 7h.	
1 Tunbridge W.	cd.o	cd.o	51	55	Trace	Trace	0.0
Bournemouth	cd.o	cd.o	51	57	Trace	Trace	0.2
Ventnor ...	dof	dou	52	57	Trace	Trace	0.8
Southsea ...	opc	c	52	57	Trace	Trace	1.0
Bognor Regis	oido	idbcd	52	56	Trace	Trace	0.7
Littlehampton	oido	cd.o	53	56	0.1	0.1	0.5
Worthing ...	od.o	od.o	52	56	Trace	Trace	0.0
Brighton ...	cd	ed	52	56	Trace	Trace	0.1
Eastbourne ...	d.o	cd.o	53	58	Trace	Trace	0.3
Hastings ...	od.o	cd.o	52	57	Trace	Trace	0.5
Folkestone ...	m.o	oido	52	55	Trace	Trace	0.0
Dover ...	od.o	od.o	53	56	Trace	Trace	0.0
Deal ...	od.o	o	52	56	Trace	Trace	0.0
Ramsgate ...	o	o	52	56	Trace	Trace	0.0
Margate ...	cd.o	c	52	56	Trace	Trace	0.0
2 Southend ...	o	o	52	55	Trace	Trace	0.0
Clacton-on-Sea	od.o	om	51	55	Trace	Trace	0.0
Dovercourt ...	d.o	oe	51	54	Trace	Trace	0.0
Lowestoft ...	oido	c	52	54	Trace	Trace	0.0
Skegness ...	ocbc	bc	52	57	Trace	Trace	1.7
Mablethorpe ...	c	cbc	51	57	Trace	Trace	0.9
Cleethorpes ...	cbc	bcc	53	58	Trace	Trace	3.9
3 Leamington S.	oc	cbc	52	57	Trace	Trace	0.1
4 Cheltenham ...	o	oe	49	56	Trace	Trace	0.1
5 Bath ...	c	c	52	58	Trace	Trace	0.0
Weymouth ...	cd.o	c	52	58	Trace	Trace	0.0
Jersey ...	fo	o	51	54	Trace	Trace	0.0
Torquay ...	mo	oco	51	58	Trace	Trace	0.1
Falmouth ...	o	c	51	58	Trace	Trace	0.1
Penzance ...	d.o	c	53	58	Trace	Trace	0.1
St. Ives ...	oc	c	52	59	Trace	Trace	0.6
Bude ...	oc	c	52	58	Trace	Trace	0.7
Ullacombe ...	coco	cbcc	52	58	Trace	Trace	0.2
6 Aberystwyth	c	c	53	56	0.3	Trace	3.3
7 Llandudno	c	cbc	55	60	Trace	Trace	4.8
Colwyn Bay ...	bc	bc	54	60	Trace	Trace	5.8
Rhyl ...	bc	bc	55	59	Trace	Trace	5.0
8 Wallasey ...	bc	bc	55	60	Trace	Trace	4.4
Southport ...	bc	bc	54	61	Trace	Trace	5.7
Blackpool ...	bc	b	53	58	Trace	Trace	1.0
Morecambe ...	od.o	cbc	52	57	Trace	Trace	2.0
9 Ilkley ...	c	cbc	52	57	Trace	Trace	1.6
Harrogate ...	c	cbc	52	57	Trace	Trace	0.8
10 Berwick-on-T.	bc	cor.o	54	58	Trace	Trace	0.3
11 Dunbar ...	bc	co	52	62	Trace	Trace	1.3
12 Troon ...	oco	pcpo	54	57	Trace	Trace	
Douglas ...	cmw	bc	53	57	Trace	Trace	

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

Scale 1:10,000,000

Statute Miles



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th November, 1938.
1 S.E. England	Moderate or fresh southwest winds; mainly cloudy with occasional local drizzle; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate southwest winds; cloudy or dull with occasional rain; becoming rather cold.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light or moderate northwest or north winds; mainly cloudy, occasional showers; rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl ^d B.N.W. Scot- land.	Freshening northwest or north winds; cloudy and bright periods, occasional showers; rather cold.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	As 11 - 14.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

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

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 low pressure trough over Southern Scotland will move south and will be accompanied by dull weather and periods of rain. It will be mild in the South but behind the trough temperatures will be considerably lower than of late.

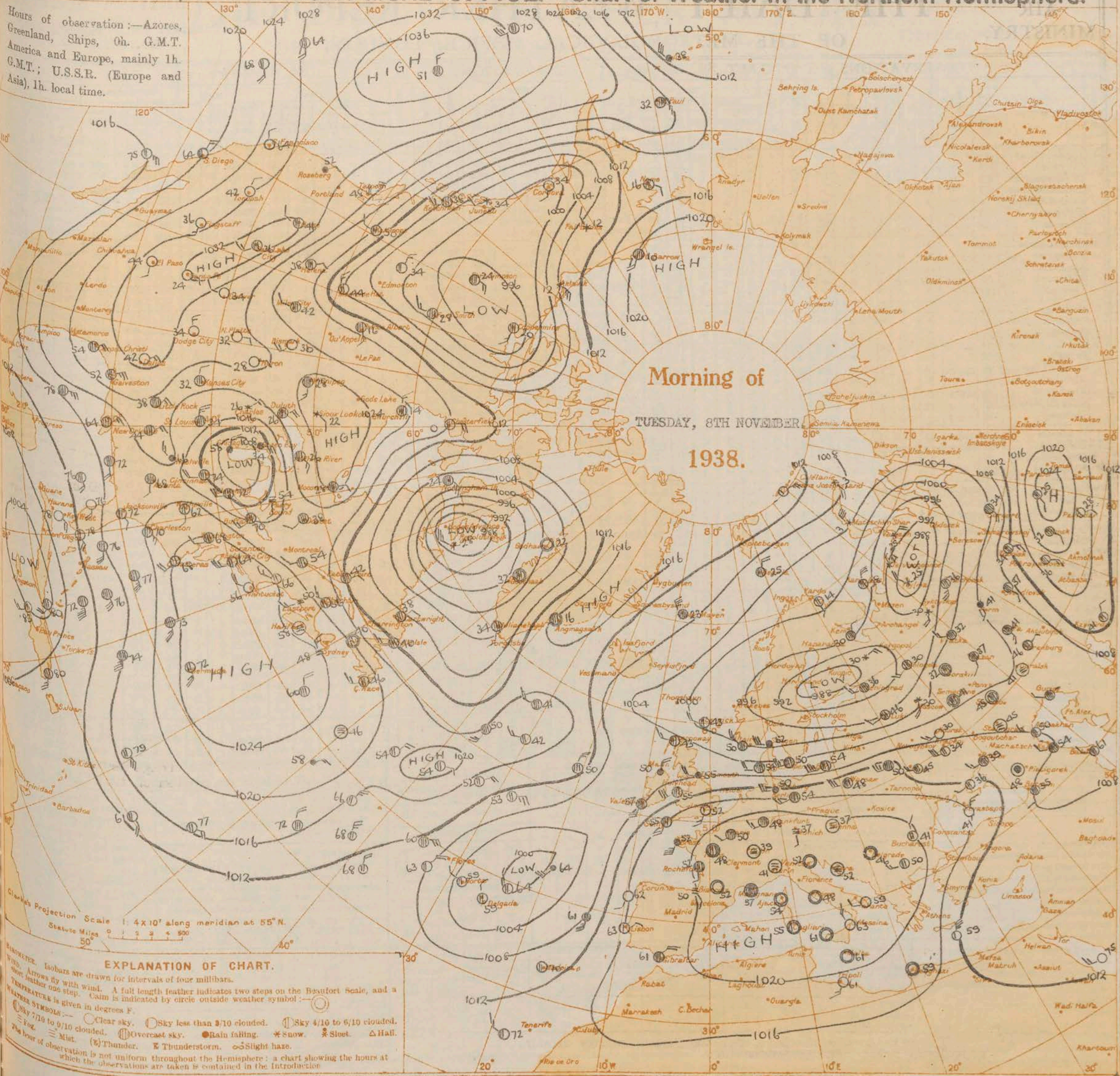
FURTHER OUTLOOK.

None issued.

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

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.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows show wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
 TEMPERATURE is given in degrees F.
 WEATHER SYMBOLS:—
 ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 3/10 to 6/10 clouded.
 ☃ Sky 6/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. * Snow. * Sleet. Δ Hail.
 ☁☁☁ Mist. ☁☁☁ Thunderstorm. ☁☁☁ Slight haze.
 The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday, 8th November, 1938.
No. 28110.

OBSERVATIONS at 1 hr. G.M.T. 8th November															OBSERVATIONS at 7 hr. G.M.T. 8th November															PAST 24 HOURS.								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun. Hrs. (36)						
					Direc. (3)	Force 0-12 (4)					Low 0-10 (9)	Med. (10)	High (11)			Low 0-10 (23)	Total 0-10 (27)					Height of Base (feet) (28)	Direc. (17)	Force 0-12 (18)			Low 0-10 (24)	Med. (25)	High (26)	Low 0-10 (26)	Total 0-10 (27)		Height of Base (feet) (28)	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)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1016.4	-4	SSW	3	c	53	85	7	5	-	-	10	10	1500	1	*	56	49	43	Tr	-	0.0				
	Croydon	217	1017.6	-2	SSW	3	b	52	75	7	4	-	-	Tr	Tr	1016.9	-2	SW	3	id.	53	85	8	5	-	-	10	10	2500	1	*	57	51	47	Tr	Tr	0.0	
	S. Farnborough	223	*	*	*	*	*	*	*	*	*	*	1016.6	-2	SWW	4	c	54	85	8	5	-	-	10	10	2500	1	*	55	48	42	Tr	Tr	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1016.9	-2	SW	2	c/d	51	97	7	5	-	-	9	9	1500	1	*	55	49	47	0.2	Tr	0.2				
	Calshot (Stmtn.)	8	*	*	*	*	*	*	*	*	*	*	1017.7	-2	SW	3	id.	55	85	8	5	-	-	10	10	1500	1	2	58	53	52	Tr	0.4	0.1				
	Lympne	346	1018.7	-2	WSW	2	c	52	85	8	5	-	-	10	10	1018.3	+2	WSW	2	c	51	85	8	5	-	-	10	10	2500	1	3	54	51	50	Tr	1	0.0	
	Manston	154	1017.9	0	SW	2	c	52	85	7	5	-	-	9+	9+	1017.5	-2	SW	1	c	52	85	8	5	-	-	10	10	2500	1	*	55	50	48	Tr	-	0.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1016.9	0	SSW	2	c	53	85	8	5	2	-	9+	10	2500	1	*	56	52	43	Tr	-	0.0				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1016.8	-2	SSW	2	bc	50	85	7	5	-	-	2-3	2-3	2500	0	1	55	48	42	Tr	-	0.0				
	Gorleston	5	1015.7	-2	SSW	2	b	46	92	7	5	-	-	1	1	1015.5	+2	SWW	3	bc	48	85	6	5	-	-	0	2-3	-	0	2	55	46	43	-	Tr	0.0	
	Mildenhall	19	1015.5	-6	SW	3	b	48	92	7	5	-	-	1	1	1015.5	+2	S	3	bc	46	92	7	5	-	-	1	2-3	4000	1	*	56	44	35	-	Tr	0.9	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	1013.9	+4	SW	1	c	46	85	7	5	4	-	9	9+	2500	1	*	56	43	37	-	-	-	-	1.5		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1014.4	-2	SW	3	bc	51	85	7	5	-	-	4-6	4-6	2500	1	*	58	49	42	Tr	-	0.4				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	1016.1	-2	SSW	2	c	50	85	7	5	-	-	10	10	2500	1	*	55	45	35	Tr	-	0.1				
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1014.8	-6	SW	4	c	53	75	8	5	-	-	10	10	2500	1	*	58	53	49	-	-	-	0.1			
5	Hartland Point	299	1016.0	-8	SW	4	b	54	85	8	4	-	-	Tr	Tr	1014.2	0	W	5	bc	54	85	8	5	-	-	2-3	4-6	1500	1	3	56	53	52	-	-	0.1	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	1016.3	0	SW	2	c	52	85	7	5	-	-	9+	9+	1500	1	*	57	49	39	Tr	-	-	0.1			
	Portland Bill	32	1017.4	-4	W	3	c	56	85	8	5	-	-	10	10	1016.6	+2	WSW	3	c	53	92	8	3	-	-	10	10	1500	1	3	57	52	*	0.1	0.1		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	1016.1	-4	SW	5	dr	54	97	7	6	-	-	10	10	450	1	2	57	53	50	0.1	0.4	0.1				
	The Lizard	240	1017.3	-2	SW	4	c	53	97	7	5	2	-	4-6	9+	1500	1015.7	0	SSW	3	c	53	97	8	8	6	-	4-6	7-8	1500	1	3	56	52	*	-	1.3	
	Scilly (St. Mary's)	163	1015.9	-12	SSW	4	c	55	85	8	5	3	-	4-6	7-8	2500	1014.7	-6	SW	4	bc	54	92	8	4	-	-	1	2-3	2500	1	2	57	53	*	-	0.1	
	Guernsey	175	1018.7	-2	SW	2	c	55	85	9	8	-	-	9+	9+	2500	1018.2	+2	SW	1	id.	52	85	7	5	-	-	10	10	1500	1	1	58	51	51	0.1	Tr	0.1
6	Pembroke	142	1014.5	-4	SW	4	bc	55	92	8	5	4	2	Tr	2-3	2500	1012.9	-2	SW	5	bc	55	85	8	5	4	-	2-3	4-6	2500	1	3	57	53	*	Tr	-	2.8
7	Holyhead	26	1010.7	-14	SW	6	c	55	92	8	5	-	-	10	10	2500	1010.4	+2	SW	4	c	55	85	8	5	1	-	7-8	9+	2500	1	3	58	54	51	-	-	0.6
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	1011.5	+2	SW	4	c	55	75	8	5	3	-	2-3	9	2500	0	*	62	55	47	-	-	-	3.6			
	Manchester	70	*	*	*	*	*	*	*	*	*	*	1011.7	0	SE	2	c	51	85	7	5	3	-	2-3	7-8	4000	1	*	59	50	40	-	-	-	2.2			
10	Spurn Head	29	1012.0	-4	SW	4	c	49	85	6	-	3	-	0	4-6	-	1012.4	+2	SW	5	bc	48	92	7	-	3	-	0	4-6	-	1	2	57	47	*	Tr	3.4	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	1009.1	-4	SW	5	c	55	75	8	5	3	-	7-8	9	1500	1	*	57	53	50	-	0.1	4.2				
	Tynemouth	108	1007.8	-6	W	4	ir.	55	85	7	6	-	-	10	10	1500	1007.6	0	WSW	3	c	55	75	6	5	-	-	9+	9+	1500	1	1	61	53	49	-	-	0.1
11	St. Abbs Head	280	1004.5	0	W	6	c	55	85	8	5	6	-	4-6	9+	2500	1006.6	+8	NE	3	rr	48	97	7	3	2	-	7-8	10	1500	1	3	57	47	*	Tr	3	0.0
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	1007.5	+20	ENE	1	dod.	46	97	5	-	2	-	10	10	450	1	*	57	45	44	Tr	Tr	0.1				
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	1006.9	+14	W/N	2	c/pr	49	92	8	5	2	-	7-8	10	4000	1	*	57	49	48	1	5	0.0				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	1007.1	+2	SW	3	rr	50	92	6	-	2	-	10	10	800	2	*	54	49	48	1	9	4.4				
	Point of Ayre	30	1008.5	-4	W/S	6	c	56	85	7	5	-	-	9+	9+	1500	1008.1	0	W/S	5	rr	54	97	6	6	2	-	4-6	10	800	1	3	62	53	*	-	1	0.0
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	1008.4	+12	NNW	3	bc	47	85	7	8	3	-	2-3	4-6	2500	0	3	55	45	44	7	1	0.0				
13B	Stornoway	80	1005.5	+10	W	3	c/pr	43	92	8	5	7	-	7-8	7-8	2500	1007.9	H2	W	2	c/pr	43	92	8	5	4	-	4-6	7-8	2500	1	1	47	41	*	1	0.0	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	1007.4	+14	W	0	c	41	97	8	4	4	-	4-6	10	4000	1	*	54	40	39	10	4	1.0				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	1008.3	+16	NW	3	c	45	85	8	1	7	-	Tr	9+	2500	1	1	58	44	42	1	2	0.0				
	Wick	81	1003.5	+8	SW	2	c	44	92	8	5	2	-	7-8	10	1500	1006.2	+16	WSW	3	c	40	97	8	5	7	8	4-6	7-8	1500	1	1	46	39	*	2	1	0.0
16	Lerwick	156	1006.2	+12	WNW	4	bc	43	92	8	8	4	-	4-6	4-6	1500	1004.2	+26	NW	4	bc	41	85	8	8	3	-	2-3	4-6	1500	1	*	51	41	*	3	0	

STATIONS.	OBSERVATIONS at 13h. G.M.T. 8th November														OBSERVATIONS at 18h. G.M.T. 8th November														PAST 24 HOURS.							
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						State of Ground.	Sea.	WEATHER.					
			Dir.	Force					Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet)			Low	Med.					High	Low 0-10	Total 0-10	Height of Base (feet)	7h.—13h. ...8th...	13h.—18h. ...8th...			18h.—5th. 1h.—2th...	5th.—7h. ...2th...				
(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)			
(For heights see p. 4.)																																				
1 London (Kew)	1017.1	-4	SW	2	c	55	75	6	5	-	-	10	10	1500	1017.1	+4	SSW	2	b	52	85	5	8	-	-	1	1	2500	1	*	c	cmo	cmo	cbw	bfg	
Croydon	1017.1	-2	WSW	3	c	54	75	7	5	-	-	7-8	10	1500	1017.5	+2	SSW	3	z	52	85	6	5	-	-	4-6	4-6	2500	1	*	c	cmo	cmo	cbw	bfg	
S. Farnborough	1016.7	-8	SSW	3	c	55	85	8	5	-	-	10	10	1500	1017.0	-2	SE	2	b	49	92	6	-	-	-	0	0	-	0	*	c	cmo	cmo	cbw	bfg	
Boscombe Down	1016.5	-10	SW	2	c	54	85	8	5	-	-	10	10	1500	1016.8	+4	SSW	3	bc	50	92	7	5	-	-	4-6	4-6	2500	0	*	c	cmo	cmo	cbw	bfg	
Calshot (Stmnt.)	1017.5	-4	SSW	3	c	56	85	8	3	-	-	7-8	7-8	1500	1017.3	+2	SE	2	b	53	92	8	5	-	-	1	1	4000	1	*	c	cmo	cmo	cbw	bfg	
Lympe	1017.9	-4	WSW	4	c	54	85	8	5	-	-	9+	9+	1500	1018.4	+4	SSW	3	c	50	85	8	5	-	-	10	10	1500	1	\$3	c	cmo	cmo	cbw	bfg	
Manston	1017.2	-6	WSW	3	c	54	85	6	5	-	-	9+	9+	1500	1017.7	+4	SSW	3	id	51	85	7	5	-	-	10	10	1500	1	*	c	cmo	cmo	cbw	bfg	
2 Shoeburyness	1016.8	-8	WSW	3	c	56	85	6	5	-	-	10	10	1500	1016.9	+4	WSW	3	c	53	92	7	5	-	-	10	10	2500	1	*	c	cmo	cmo	cbw	bfg	
Felixstowe	1016.4	-6	SSW	2	z	54	85	6	5	-	-	10	10	2500	1016.6	+2	SSW	2	z	53	85	6	5	-	-	9+	10	2500	0	2	c	cmo	cmo	cbw	bfg	
Gorleston	1014.2	-6	WSW	3	bc	56	65	6	1	4	-	2-3	2-3	4000	1015.6	+6	SSW	2	b	50	85	6	-	-	-	0	0	-	0	2	c	cmo	cmo	cbw	bfg	
Mildenhall	1014.8	-10	WSW	5	bc	57	75	8	7	-	-	2-3	2-3	4000	1015.4	+6	SSW	3	b	50	85	8	-	-	-	0	0	-	0	*	c	cmo	cmo	cbw	bfg	
Cranwell	1013.2	-6	SSW	4	bc	58	65	8	1	7	-	Tr	2-3	2500	1014.2	+8	SSW	3	z	48	92	6	-	-	4	-	0	Tr	-	0	*	c	cmo	cmo	cbw	bfg
3 Birmingham	1014.3	0	SSW	3	c	54	75	8	5	-	-	4-6	7-8	2500	1014.5	+2	s	2	bc	51	85	7	5	-	-	4-6	4-6	2500	1	*	c	cmo	cmo	cbw	bfg	
Upper Heyford	1016.2	0	SW	3	c	53	85	8	5	-	-	10	10	1500	1016.1	+2	s	2	b	48	92	7	-	-	-	0	0	-	0	*	c	cmo	cmo	cbw	bfg	
Ross-on-Wye	1014.9	-4	SW	3	bc	55	75	7	5	-	-	4-6	4-6	4000	1014.7	-4	s	2	b	51	85	7	5	-	-	Tr	Tr	2500	1	*	c	cmo	cmo	cbw	bfg	
4 Harland Point	1013.8	+4	SW	4	bc	57	85	8	2	4	-	4-6	4-6	1500	1013.6	0	SW	3	bc	53	92	8	5	-	-	4-6	4-6	1500	1	2	c	cmo	cmo	cbw	bfg	
Bristol	1015.9	-4	SW	3	c	56	75	8	5	4	-	7-8	7-8	2500	1015.2	-2	s	3	b	53	85	8	5	-	-	Tr	Tr	2500	1	*	c	cmo	cmo	cbw	bfg	
Portland Bill	1016.5	-10	WSW	3	c	56	92	8	5	-	-	10	10	1500	1016.5	+4	SW	3	c	56	92	8	5	-	-	10	10	1500	1	3	c	cmo	cmo	cbw	bfg	
Plymouth	1016.1	-2	SSW	3	c	57	85	8	8	-	-	9	9	2500	1015.6	-2	s	3	c	56	92	8	5	-	-	9+	9+	1500	1	2	c	cmo	cmo	cbw	bfg	
The Lizard	1015.5	0	s	4	bc	57	92	8	8	-	-	2-3	2-3	2500	1015.0	-4	SW	4	bc	54	97	7	4	-	-	2-3	2-3	2500	1	2	c	cmo	cmo	cbw	bfg	
Scilly (St. Mary's)	1014.2	-6	SSW	4	bc	58	92	7	5	-	-	2-3	2-3	800	1013.5	-2	SSW	4	c	55	97	7	3	4	-	7-8	9+	1500	1	2	c	cmo	cmo	cbw	bfg	
Guernsey	1017.7	-6	SW	2	c	54	85	9	8	-	-	10	10	1500	1017.4	+2	SSE	1	c	52	85	9	1	7	-	2-3	7-8	2500	1	1	c	cmo	cmo	cbw	bfg	
5 Pembroke	1013.7	-10	SW	5	q	56	85	7	8	2	-	7-8	10	1500	1013.0	-2	SSW	4	c	56	97	7	8	-	-	9+	9+	1500	1	3	c	cmo	cmo	cbw	bfg	
Holyhead	1011.0	-12	SSW	4.5	c	55	92	7	6	2	-	9	9+	1500	1010.25	+2	SW	4	c	55	92	7	6	2	-	7-8	10	1500	1	3	c	cmo	cmo	cbw	bfg	
Chester (Sealand)	1012.4	0	SSW	3	c	59	65	8	5	7	-	1	7-8	2500	1012.7	+4	ES	1	c	55	85	7	2	3	-	4-6	7-8	2500	0	*	c	cmo	cmo	cbw	bfg	
Manchester	1012.0	-2	SSW	4	c	59	65	7	1	3	-	2-3	9	4000	1012.5	+2	SW	3	z	55	75	6	5	-	-	7-8	7-8	2500	1	*	c	cmo	cmo	cbw	bfg	
6 Spurn Head	1012.0	-2	WS	4	bc	59	75	6	-	7	8	0	4-6	-	1013.5	+6	SSW	3	bc	52	85	7	-	7	8	0	4-6	-	1	2	c	cmo	cmo	cbw	bfg	
Catterick	1010.8	+6	SSW	3	ir	53	85	6	6	-	-	10	10	800	1011.5	+4	SW	1	c	55	75	7	6	-	-	10	10	800	1	*	c	cmo	cmo	cbw	bfg	
Tynemouth	1008.9	+10	W	3	rr	56	85	6	-	2	-	10	10	1500	1011.1	+12	NNE	3	ir	49	92	7	-	2	-	10	10	1500	1	2	c	cmo	cmo	cbw	bfg	
7 St. Abbs Head	1010.3	+8	NE	2	rr	45	85	7	3	2	-	7-8	10	2500	1012.1	+8	NE	2	rr	45	85	7	8	2	-	7-8	10	1500	1	3	c	cmo	cmo	cbw	bfg	
Leuchars	1010.2	+8	0	id	46	92	7	5	2	-	-	4-6	10	800	1012.3	+10	s	1	ir	45	92	7	5	2	-	9	10	1500	1	*	c	cmo	cmo	cbw	bfg	
Renfrew (Abbots I.)	1009.5	+10	ENE	1	m	50	92	4	5	7	-	9	10	4000	1011.5	+12	ENE	2	rr	46	92	5	-	2	-	10	10	1500	1	*	c	cmo	cmo	cbw	bfg	
Esksdalemuir	1009.1	+6	SSW	1	rr	51	85	6	6	2	-	2-3	10	1500	1011.6	+12	NNE	3	rr	43	92	6	-	2	-	10	10	800	2	*	c	cmo	cmo	cbw	bfg	
Point of Ayre	1009.9	+6	0	rr	51	97	6	-	2	-	-	10	10	800	1009.5	-2	SSE	1	d. do	52	97	6	6	2-3	-	4-6	10	1500	1	1	c	cmo	cmo	cbw	bfg	
8 Tiree	1010.4	+6	NNE	2	c	48	75	8	8	3	-	4-6	7-8	2500	1010.5	+2	NNE	2	c	47	85	8	8	-	-	9	9	2500	0	2	c	cmo	cmo	cbw	bfg	
Stornoway	1011.4	+10	N	1	c	46	85	9	5	4	9	2-3	7-8	4000	1012.6	+6	ENE	3	c	42	92	8	5	5	2	4-6	7-8	4000	1	2	c	cmo	cmo	cbw	bfg	
Dalwhinnie	1010.9	+10	N	2	c	45	75	8	4	5	1	4-6	9+	4000	*	+6	NE	1	c	37	92	8	4	5	-	4-6	7-8	4000	0	*	c	cmo	cmo	cbw	bfg	
Aberdeen	1010.4	+12	NW	3	bc	48	75	8	2	3	3	1	4-6	2500	1012.9	+4	NW	1	bc																	

REPORTS from HEALTH RESORTS for 21 November 1938.

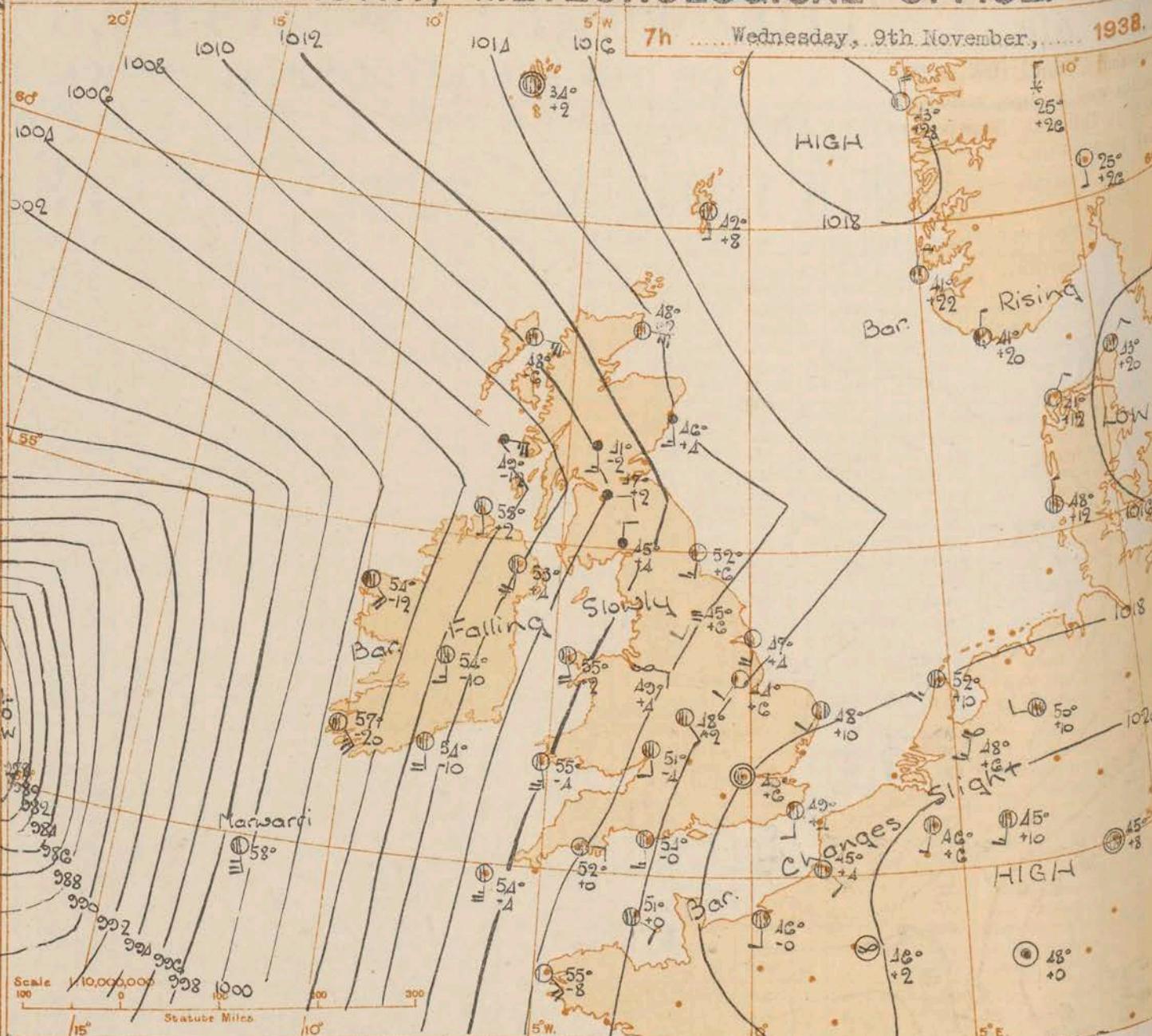
STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
	Fore-noon.	After-noon.	Min. 7h. to 9h.	Max. 9h.-17h.	Night 17h. to 9h.	Day 9h.-17h.	
1 Tunbridge W.	od.o	ago	52	55	Trace	0.3	0.0
Bournemouth	ocd.	ocd.	51	56	Trace	0.3	0.2
Ventnor	omc	cobc	53	55	-	-	0.4
Southsea	opc	opc	54	55	Trace	0.2	0.3
Bognor Regis	oid	ibcc	54	55	0.3	0.3	0.2
Littlehampton	oid	oid	54	55	0.1	0.5	0.0
Worthing	o	orc	53	55	Trace	0.3	0.0
Brighton	cde	cde	53	54	1	0.2	0.0
Eastbourne	o	od.o	54	56	Trace	Trace	0.0
Hastings	o	oco	53	56	0.3	-	0.0
Folkestone	o	o	53	56	Trace	-	0.0
Dover	od.o	od.o	53	57	Trace	Trace	0.0
Deal	o	o	53	56	-	-	0.0
Ramsgate	o	o	52	56	-	-	0.0
Margate	c	c	52	56	-	-	0.0
2 Southend	o	o	51	55	-	-	0.0
Clacton-on-Sea	bcc	c	50	55	-	-	0.0
Dovercourt	oc	oc	47	55	-	-	0.0
Lowestoft	bcc	b	46	58	-	-	7.8
Skegness	b	b	47	59	-	-	8.2
Mablethorpe	b	b	44	59	-	-	7.5
Cleethorpes	bc	bc	46	60	-	-	7.8
3 Leamington S.	bcb	bcb	48	58	-	-	5.7
4 Cheltenham	ocbc	bcb	52	57	-	-	2.2
5 Bath	cde	cbcb	50	59	-	Trace	2.1
Weymouth	d.c	c	52	58	0.1	-	1.3
Jersey	coe	c	50	54	Trace	-	0.1
Torquay	ocbc	bcb	52	60	0.5	-	4.3
Falmouth	b	b	52	60	0.5	-	7.8
Penzance	b	bbcc	53	60	-	-	7.2
St. Ives							
Bude	wbb	b	49	60	-	-	8.2
Ilfracombe	cbcb	bcb	51	60	-	-	7.4
6 Aberystwyth	cbc	bcc	53	57	-	-	2.8
7 Llandudno	c	cbc	55	59	-	-	1.0
Colwyn Bay	bcc	cbc	54	58	-	-	0.6
Rhyl	bcc	c	54	58	-	-	0.1
8 Wallasey	bcc	c	53	58	Trace	-	0.3
Southport	c	cz	53	56	-	-	0.0
Blackpool	bcc	ccm	53	56	-	-	0.0
Morecambe							
9 Ilkley	c	cbc	51	58	-	-	1.1
Harrogate	c	c	50	57	-	-	0.2
10 Berwick-on-T.	or.o	r.o	46	47	7	3	0.0
11 Dunbar	com	com	45	47	5	3	0.0
12 Troon	doc	odod	47	49	7	3	0.0
Douglas	com	cDm	53	54	-	-	0.0

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th November, 1938.
1 S.E. England	Moderate or fresh southerly winds; mainly fair with bright periods; mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Fresh southerly winds strong or gale locally; mainly fair apart from local drizzle; mild.
6 South Wales	
7 North Wales	Fresh southerly winds, strong or gale locally; mainly fair; mild.
8 N.W. England	
9 N. Midlands	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 8.
13 { A.W. Scot. B.N.W. Scot. land.	Fresh or strong southeast to south winds; cloudy or dull; occasional rain at first, fairer later, becoming rather mild.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	Fresh southeast winds, strong at times; cloudy or dull; occasional rain; rather cold at first.
17 N.W. Ireland	
18 N.E. Ireland	Fresh southerly winds, strong or gale locally; mainly cloudy; occasional rain later; mild at first.
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway W.C.2. C.134/3578 W. 0006 D.1185 G. 846 35500. 11/38

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 complex depression west of Ireland will move north. There will be rain at first in Northern Scotland and later in Ireland. Elsewhere it will be mainly fair. It will be mild generally.

FURTHER OUTLOOK.

Less mild conditions probably spreading from west.

Times of Issue of Gale Warnings.

South Cone hoisted at 0600 on 9/11/38 in districts 6,7,8,12,13A,17,18,19,20 and part of district 5.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.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.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 9th November 1938.
No. 28111.

OBSERVATIONS at 1 hr. G.M.T. 9th November														OBSERVATIONS at 7 hr. G.M.T. 9th November														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.					State of Ground (29)	Sea (30)	TEMPERATURE.					RAINFALL.		Sunshine (37)
					Direc.	Force (3-12)					Form.	Amount.		Height of Base (feet) (14)	Direc.			Force (13-18)	Form.					Amount.		Height of Base (feet) (28)	Max. Day 7h-12h °F. (31)	Min. Night 12h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-12h mm. (34)	Night 12h-7h mm. (35)					
												Low (9)	Med. (10)											High (11)	Low (12)									Total (13)	Low (23)	Med. (24)	High (25)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1017.7	0	SSE	1	Z	46	92	6	5	7	-	7.8	10	2500	1	*	55	43	32	Tr	Tr	0.0			
	Croydon	217	1017.9	+2	S'W	2	Z	49	97	6	5	-	-	2.3	2.3	1018.2	+6	-	0	fg	40	97	6	5	4	-	4.6	4.6	2500	1	*	56	40	35	Tr	Tr	0.0	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1017.3	+2	SE	1	c	47	97	6	5	1	-	9	10	1500	1	*	55	44	39	Tr	Tr	0.1			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1016.4	0	S'E	3	c	50	92	8	5	-	-	10	10	1500	1	*	55	47	44	0.1	Tr	0.1			
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1017.5	+2	SSE	3	c	52	85	8	5	-	-	10	10	1500	1	2	56	51	47	0.1	Tr	0.0			
	Lymyne	346	1019.0	0	SSW	2	c	49	85	7	5	-	-	9+	9+	1019.1	+4	S	2	c	49	85	7	5	-	-	10	10	1500	1	2	54	47	44	Tr	Tr	0.0	
	Manston	154	1018.2	0	S'E	2	b	46	92	7	5	-	-	Tr	Tr	1018.5	+4	S'E	2	c	48	97	7	5	-	-	9+	9+	1500	1	*	55	45	40	0.1	Tr	0.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1018.2	+6	SSE	1	fg	42	92	8	-	3	-	0	1	-	1	*	56	39	31	-	Tr	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1018.3	+8	SW	1	c	50	92	7	7	-	-	9+	9+	2500	0	1	55	49	45	-	Tr	0.0			
	Gorleston	5	1016.5	+4	SW	3	c	47	92	3	5	-	-	9+	9+	1017.7	+10	SW	2	c	48	92	6	5	-	-	10	10	1500	1	2	58	46	43	-	Tr	0.1	
	Mildenhall	19	1016.4	+2	S'W	2	Z	46	97	5	5	-	-	7.8	7.8	1017.4	+10	S'W	2	c	50	92	7	5	-	-	10	10	1500	1	*	59	44	34	-	Tr	0.1	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1015.5	+6	SW	2	b	44	97	7	5	4	-	Tr	Tr	4000	1	*	58	42	35	-	Tr	7.8			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1015.3	+2	SE	1	c	48	97	5	5	-	-	7.8	7.8	1500	1	*	56	47	42	-	-	3.7			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1016.6	+2	S	3	c	50	92	7	5	-	-	10	10	1500	1	*	56	43	33	-	-	3.0			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1015.2	-4	S	2	c	51	85	7	5	-	-	9+	9+	2500	1	*	58	50	40	-	-	0.0			
5	Hartland Point	299	1013.5	-2	SSW	4	b	52	92	8	4	-	-	1	1	1011.6	-8	SSE	5	b	51	92	8	4	-	-	Tr	Tr	2500	1	3	59	51	49	-	-	7.0	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1015.2	-2	S	3	bc	51	85	7	5	-	-	4.6	4.6	1500	1	*	59	50	42	Tr	-	2.8			
	Portland Bill	32	1016.3	-2	SSW	3	c	54	92	7	5	-	-	10	10	1015.7	0	S	3	c	54	92	7	5	-	-	10	10	2500	1	3	56	51	*	0.1	-	2.4	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1014.8	0	E'S	2	c	52	97	8	5	-	-	9+	9+	2500	1	1	58	52	49	0.1	-	7.9			
	The Lizard	240	1014.3	-2	S'E	4	bc	53	97	8	8	-	-	2.3	2.3	1014.4	0	SSE	4	bc	53	97	8	8	-	-	4.6	4.6	1500	1	2	58	53	*	-	-	8.2	
	Scilly (St. Mary's)	183	1012.5	-10	S	5	c	55	97	7	5	-	-	9+	9+	1010.6	-4	S'E	6	bc	54	97	7	5	-	-	2.3	2.3	1500	1	3	58	53	*	-	-	1.3	
	Guernsey	175	1016.7	-6	SSE	2	c	51	92	8	4	-	-	7.8	7.8	1015.8	0	S'E	2	c	51	85	7	8	-	-	9+	9+	1500	1	2	55	51	45	Tr	-	0.0	
6	Pembroke	142	1013.1	+2	S'W	5	c	56	97	7	8	2	-	7.8	9+	1012.0	-4	S'E	6	bc	55	92	7	5	6	-	2.3	4.6	4000	1	3	57	52	*	-	-	5.1	
7	Holyhead	28	1010.7	0	S'W	4	c	55	92	8	5	-	-	9+	9+	1011.2	+2	S'E	4	c	55	92	8	5	-	-	9	10	2500	1	2	57	54	51	-	-	1.8	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1013.6	+4	ESE	2	Z	49	92	6	5	3	-	4.6	4.6	4000	0	*	61	48	42	-	-	3.0			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1013.9	+8	SSE	3	Z	43	92	6	5	3	-	Tr	Tr	17200	1	*	60	47	38	-	-	2.4			
10	Spurn Head	29	1014.0	0	SW	3	c	49	92	6	-	7	-	0	9	1014.9	+4	SSW	4	bc	47	97	6	-	7	-	0	4.6	-	1	2	59	47	*	Tr	Tr	7.3	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1013.2	+6	SE	2	fg	45	97	3	-	-	-	10	10	1500	1	*	56	45	43	0.1	-	0.0			
	Tynemouth	108	1012.1	-2	SE	2	bc	51	97	5	-	2	-	10	10	1012.2	+6	SSW	3	c	52	85	6	5	-	-	9+	9+	1500	1	2	56	48	47	5	4	0.0	
11	St. Abbs Head	280	1012.8	-4	E	3	rr	46	92	8	3	2	-	7.8	10	1011.4	-8	ENE	4	rr	47	97	4	3	2	-	7.8	10	800	2	3	53	45	*	5	17	0.0	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1012.7	-2	E	3	dd	46	92	4	-	2	-	10	10	450	1	*	46	43	42	3	15	0.0			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1010.3	+2	E'N	2	DD	47	97	4	6	-	-	10	10	800	2	*	50	45	44	2	11	0.0			
	Eakdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1011.8	+4	N	2	rr	45	97	6	-	2	-	10	10	220	2	*	52	42	42	8	25	0.0			
	Point of Ayre	30	1009.5	-2	WSW	4	c	55	97	7	5	7	-	1	9+	1010.7	+8	SW	3	bc	54	92	8	8	-	-	4.6	4.6	800	1	2	54	51	*	8	-	0.0	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1006.0	-12	ESE	5	dd	49	97	7	-	2	-	10	10	1500	1	3	50	45	44	-	1	0.0			
</																																						

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 10th November, 1938.
No. 28112.

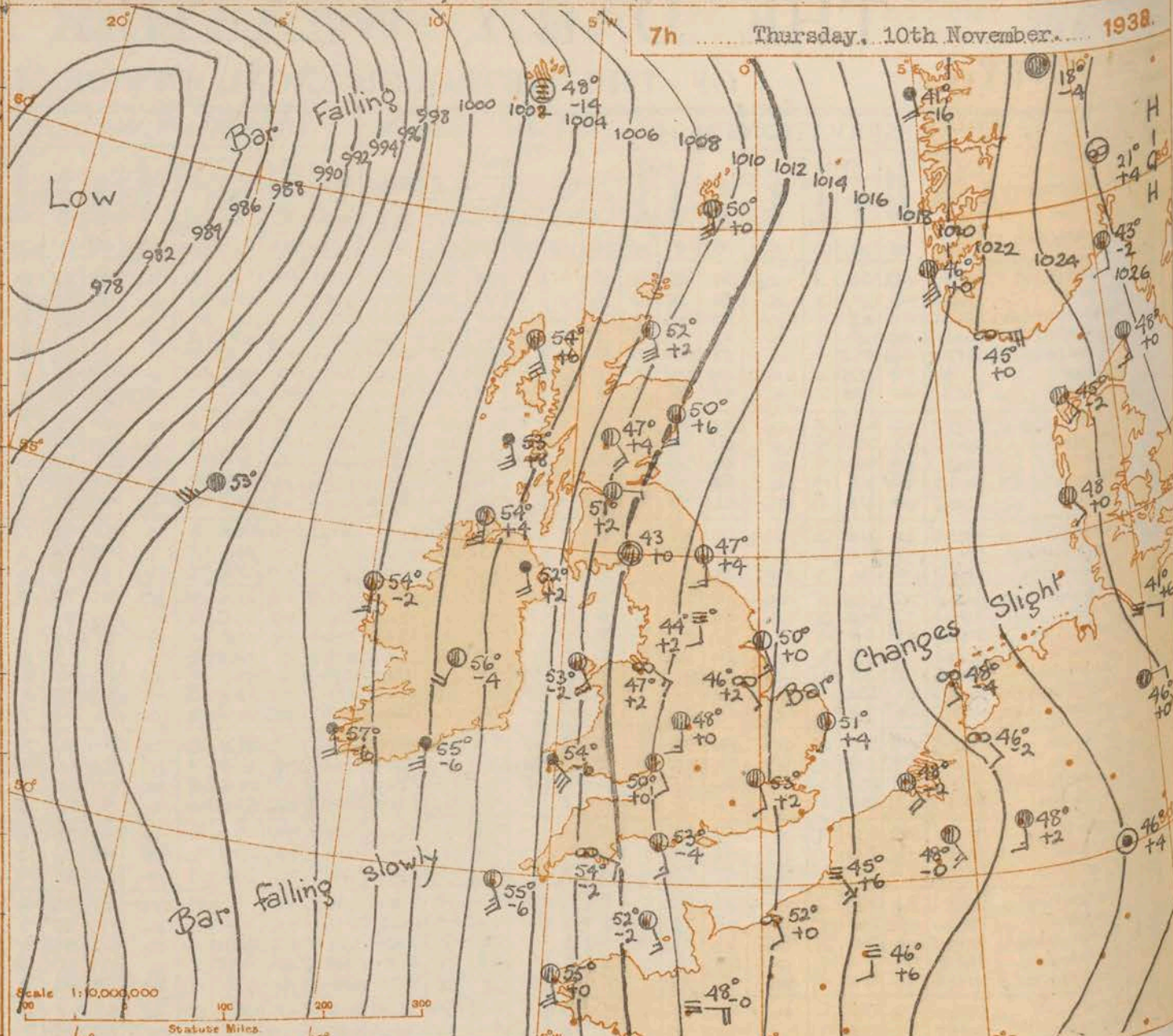
STATIONS.	OBSERVATIONS at 13h. G.M.T. 9th November														OBSERVATIONS at 18h. G.M.T. 9th November														PAST 24 HOURS.				
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visiblity 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visiblity 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.				
			Dir.	Force 0-12					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Low					Med.	High	Low 0-10	Total 0-10	Height of Base (feet)			7h.—13h. ...2h...	13h.—18h. ...2h...	18h.—24h. 1h.—10h...	24h.—7h. ...10h...	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)
(For heights see p. 4.)																																	
1 London (Kew) ...	1017.7	-12	SE	3	20	51	75	6	5	-	9+	9+	2500	1016.9	+4	E	2	20	49	85	6	5	-	-	10	10	1500	1	*	cm, b, cm	cm	cm	cm
Croydon ...	1018.0	-4	SE	3	c	51	75	6	5	-	9+	9+	2500	1017.2	+2	E	1	20	48	85	5	5	-	-	10	10	1500	1	*	cm	cm	cm	
S. Farnborough ...	1017.1	-10	SE	3	c	50.8	75	7	5	-	10	10	1500	1016.6	-2	E	1	20	48	85	6	5	-	-	10	10	1500	1	*	cm	cm	cm	
Boscombe Down ...	1016.4	-10	SE	3	c	51	85	7	5	-	10	10	1500	1016.2	+2	ESE	2	20	47	92	7	5	-	-	10	10	1500	1	*	co	co	co	
Calshot (Stmntn.) ...	1017.0	-6	ESE	4	c	52	85	7	5	-	10	10	1500	1016.5	-2	SE	4	20	52	85	8	5	-	-	10	10	1500	1	2	c	co	c	
Lymington ...	1019.1	-6	SE	3	c	49	85	7	5	-	10	10	1500	1018.6	0	SE	2	20	49	85	6	5	-	-	10	10	1500	1	1	cm	cm	cm	
Manston ...	1019.0	-6	SE	2	c	49	85	7	5	-	10	10	1500	1018.4	+2	SE	2	20	48	85	6	5	-	-	10	10	1500	1	*	cm	cm	cm	
2 Shoeburyness ...	1018.4	-2	SE	3	c	51	75	8	5	-	10	10	1500	1018.3	0	SE	3	20	48	85	7	5	-	-	10	10	1500	1	*	b, c	c	c	
Felixstowe ...	1019.3	-2	SE	3	c	51	75	7	5	-	10	10	2500	1018.8	+2	SE	3	20	49	85	6	5	-	-	10	10	1500	0	2	co	co	co	
Gorleston ...	1018.2	-4	SSW	4	c	53	75	6	8	-	9+	9+	2500	1018.1	0	S	4	c	51	85	6	8	-	-	10	10	2500	0	*	co	co	co	
Mildenhall ...	1017.9	-4	SE	4	c	52	75	7	5	-	10	10	2500	1017.6	+2	SE	4	20	49	85	7	5	-	-	10	10	1500	0	*	c, cm	co	co	
Cranwell ...	1016.7	+4	SE	3	c	51	85	6	5	-	9+	9+	1500	1016.5	+2	SE	3	20	49	92	5	5	-	-	10	10	1500	0	*	b, c	co	co	
3 Birmingham ...	1015.8	+2	SE	3	c	50	85	6	5	-	10	10	1500	1016.0	-4	SE	3	20	50	85	7	5	-	-	10	10	1500	1	*	co	co	co	
Upper Heyford ...	1017.1	-6	SE	3	c	51	85	7	5	-	10	10	1500	1016.7	0	SE	3	20	48	85	6	5	-	-	10	10	1500	1	*	co	co	co	
Ross-on-Wye ...	1015.7	0	S	3	c	51	85	7	5	-	10	10	1500	1015.5	-4	SE	2	20	50	85	6	5	-	-	10	10	1500	0	*	co	co	co	
4 Hartland Point ...	1011.0	-10	SE	5	bc	55	85	8	2	4	2.3	4.6	1500	1011.4	+4	SE	5	bc	51	85	8	5	4	-	4.6	4.6	1500	0	3	bc	bc	bc	
Bristol ...	1016.1	-2	SE	2	c	52	85	7	5	-	9+	9+	1500	1016.0	+2	SE	2	c	49	85	7	5	-	-	10	10	2500	1	3	bc	c	bc	
Portland Bill ...	1015.3	-8	SE	4	c	53	92	7	5	-	10	10	2500	1015.0	+4	SE	4	c	52	92	7	5	-	-	10	10	2500	1	3	c	c	c	
Plymouth ...	1014.3	-8	SE	3	c	54	85	8	5	-	10	10	1500	1013.8	0	ESE	2	c	52	75	8	5	-	-	10	10	2500	1	1	c	c	c	
The Lizard ...	1012.8	-4	SE	4	c	55	92	7	8	6	4.6	7.8	1500	1012.7	0	ESE	4	c	53	92	7	8	6	-	9	10	1500	1	2	bc	c	c	
Scilly (St. Mary's) ...	1010.5	+2	SE	5	bc	57	92	7	4	6	2.3	4.6	2500	1010.1	-2	SE	5	c	54	97	7	5	-	-	10	10	1500	1	3	bc	bc	bc	
Guernsey ...	1015.2	-4	SE	2	c	49	85	7	8	-	10	10	2500	1014.7	+4	SE	2	c	51	85	7	5	-	-	10	10	2500	1	2	c	c	c	
6 Pembroke ...	1012.0	-4	SE	6	cq	56	85	7	8	7	4.6	7.8	1500	1011.8	-2	SE	6	cq	54	92	7	8	2	-	7.8	10	1500	1	3	cb, c	cq	bc	
Holyhead ...	1010.8	-4	SE	4	b	58	85	8	7	4	6	7.8	4000	1010.7	+8	SE	3	c	54	85	8	-	9	6	0	9	-	1	2	cb	b, c	c	
Chester (Sealand) ...	1013.9	-4	ESE	3	co	56	75	6	5	-	5	1	4.6	2500	1013.5	0	ESE	4	50	85	5	-	1	0	1	-	0	0	2	bc	b, c	c	
Manchester ...	1014.7	+2	SE	3	c	56	75	7	1	3	4.6	7.8	4000	1015.0	+2	SE	3	20	51	85	5	5	-	-	10	10	1500	1	*	bc	bc	bc	
10 Spurn Head ...	1016.1	+4	S	4	c	53	85	6	5	-	9+	9+	1500	1016.8	+4	S	4	c	50	85	6	5	-	-	10	10	2500	0	3	c	co	co	
Catterick ...	1014.4	-2	S	1	f	48	97	3	5	1	4.6	7.8	1500	1014.8	+8	SE	2	c	48	92	3	-	9	-	0	7.8	-	1	*	co	co	co	
Tynemouth ...	1013.1	+4	S	2	bc	57	85	5	2	3	4.6	4.6	2500	1013.8	+4	S	3	m	52	85	4	5	-	-	7.8	7.8	1500	1	1	co	co	co	
11 St. Abbs Head ...	1013.1	+2	SE	3	c	52	92	7	8	6	9	4.6	7.8	2500	1012.2	-6	S	4	bc	51	92	6	8	4	-	2.3	4.6	2500	0	3	co	co	co
Leuchars ...	1012.0	-6	SW	1	c	53	92	7	8	7	4.6	7.8	1500	1012.0	+2	-	0	20	49	97	6	5	3	9	2.3	7.8	1500	1	*	co	co	co	
Bentley (Abbots L.) ...	1010.5	-6	ENE	2	m/f	52	92	4	5	3	7.8	9	2500	1010.9	+2	ESE	2	20	52	85	6	5	3	-	4.6	4.6	2500	1	*	co	co	co	
Eskdalemuir ...	1011.8	-4	S	4	c	54	92	7	5	3	7.8	9	800	1012.3	+4	WNW	1	b	44	92	6	5	-	1	1	2500	1	*	co	co	co		
Point of Ayre ...	1011.2	-2	SE	4	bc	57	85	7	5	4	5	7.8	1500	1011.3	+8	SE	4	bc	53	92	6	5	-	-	2.3	2.3	800	1	3	bc	bc	bc	
13a Tides ...	1006.0	-6	SE	5	bc	53	85	7	5	3	4.6	4.6	2500	1004.7	-2	SE	5	id	53	97	6	-	2	-	10	10	1500	1	4	bc	co	co	
Stornoway ...	1008.7	-8	ESE	4	co	48	92	8	5	2	4.6	10	1500	1006.6	-4	ESE	4	rr	52	85	7	5	2	-	4.6	10	1500	1	2	co	co	co	
Dalwhinnie ...	1011.6	-8	SE	5	c	46	92	6	5	1	7.8	10	1500	1010.8	+6	SE	4	c	48	92	6	5	1	-	7.8	10	2500	0	*	co	co	co	
Aberdeen ...	1013.3	-14	SE	3	co	48	97	5	6	2	9	10	800	1012.1	-2	S	3	c	52	92	6	6	2	-	2.3	9	800	1	1	co	co	co	
Wick ...	1013.0	-10	ESE	8	c/r	48	92	7	5	2	9	10	800	1010.5	-10	ESE	8	c/r	50	97	6	5	2	-	9	10	800	1	4	co	co	co	
Lerwick ...	1017.0	-10	SE	4	c	45	65	8	8	7	4.6	7.8	2500	1015.5	-4	SE	5	c	45	85	8	8	2	-	7.8	10	1500	1	*	c	c	c	
17 Blacksod Point ...	1000.5	-10	SE	4	IR	56	97	8	6	-	9+	9+	800	1000.6	+2	S	5	bc	56	85	8	8	-	-	4.6	4.6	1500	1	4	ir	ir	ir	
Malin Head ...	1003.7	-16	SE	5	c	56	85	7	4	-	8	2.3	7.8	4000	1004.1	+4	S	5	c/r	55	92												

REPORTS from HEALTH RESORTS for 9th November 1938.

AIR MINISTRY, METEOROLOGICAL OFFICE

7h Thursday, 10th November, 1938.

DISTRICTS.	STATIONS	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. 8th. to 9h. 9th.	Max. 9h. 8th. to 9h. 9th.	Night. 17h. 8th. to 9h. 9th.	Day. 9h. 8th. to 9h. 9th.	
1	Tunbridge W.	o	o	38	51	Trace	-	0.0
	Bournemouth	o	o	51	53	-	-	0.1
	Ventnor	o	o	50	52	-	-	0.0
	Southsea	c	c	50	53	-	-	0.0
	Bognor Regis	o	o	52	52	-	-	0.0
	Littlehampton	c	c	52	53	-	-	0.0
	Worthing	c	o	51	52	-	-	0.0
	Brighton	c	c	51	53	-	-	0.0
	Eastbourne	o	o	49	53	-	-	0.0
	Hastings	o	o	49	54	-	-	0.0
	Folkestone	o	o	50	51	-	-	0.0
	Dover	o	o	50	52	-	-	0.0
	Deal	o	o	45	51	-	-	0.0
	Ramsgate	o	o	49	51	-	-	0.0
	Margate	c	c	47	51	-	-	0.0
2	Southend	o	o	45	51	Trace	-	0.2
	Clacton-on-Sea	bcwc	co	49	52	Trace	-	0.0
	Dovercourt	oc	oc	47	52	-	-	0.0
	Lowestoft	c	c	46	53	-	-	0.0
	Skegness	occb	bco	44	53	-	-	1.6
	Mablethorpe	bcobc	b	42	54	-	-	2.8
	Cleethorpe	cbc	bcc	43	56	-	-	2.2
3	Leamington S.	c	c	47	52	-	-	0.0
4	Cheltenham	cbcc	co	49	52	-	-	0.5
5	Bath	c	c	45	53	-	-	0.0
	Weymouth	c	c	52	54	-	-	0.0
	Jersey	co	o	49	53	-	-	0.0
	Torquay	co	o	52	54	-	-	0.0
	Falmouth	c	c	53	55	Trace	-	0.0
	Penzance	bcc	c	54	57	-	-	1.2
	St. Ives	-	-	-	-	-	-	-
	Bude	wbb	bbc	50	56	-	-	7.3
	Ilfracombe	bcbbc	bcc	51	55	-	-	7.7
6	Aberystwyth	cbc	bcc	51	60	-	-	7.7
7	Llandudno	b	bcb	51	63	-	-	7.6
	Colwyn Bay	bcb	bcbcb	54	62	-	-	6.8
	Rhyl	b	b	51	59	-	-	7.7
8	Wallaasey	bc	bcb	49	57	-	-	6.2
	Southport	wbz	bcbz	45	58	-	-	6.1
	Blackpool	bm	bmo	47	58	-	-	5.1
	Morecambe	-	-	-	-	-	-	-
9	Ilkley	bc	bc	50	58	-	-	4.3
	Harrogate	b	bbc	48	57	-	-	6.4
10	Berwick-on-T.	ocmo	nmbo	45	56	11	-	3.2
11	Dunbar	crmo	bc	44	59	20	0.3	3.6
12	Troon	ococ	pacbc	45	57	12	Trace	1.2
	Douglas	cmid	bemo	53	57	1	-	4.2



† 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. 10th November, 1938.
1 S.E. England	
2 E. England	
3 E. Midlands	Moderate southerly winds; mainly fair, with some bright periods; mild.
4 W. Midlands	
5 S.W. England	Moderate or fresh southerly winds; mainly fair at first, probably
6 South Wales	occasional rain later; mild.
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 3.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh or strong southerly winds; mainly cloudy, occasional rain, but fairer at times; mild.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	Fresh or strong southerly winds; mainly fair with some bright periods; mild.
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	As 12 to 13B.
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 complex area of low pressure lies to the west of Ireland. There will be occasional rain in Ireland and West Scotland and later in the period probably in Wales and Western England. Elsewhere it will be mainly fair with some bright periods. It will be generally mild.

FURTHER OUTLOOK.

Continuing mild.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.



[illegible]

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

Disturbance.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 10th November														OBSERVATIONS at 18h. G.M.T. 10th November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																								
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	WEATHER.																																																																																																																																																																																																																																																																																																																																																
				Dir.	Force					Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.			Amount.	Height of Base (feet)					Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.			Force	Form.					Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base

REPORTS from HEALTH RESORTS for 10th November 1938.

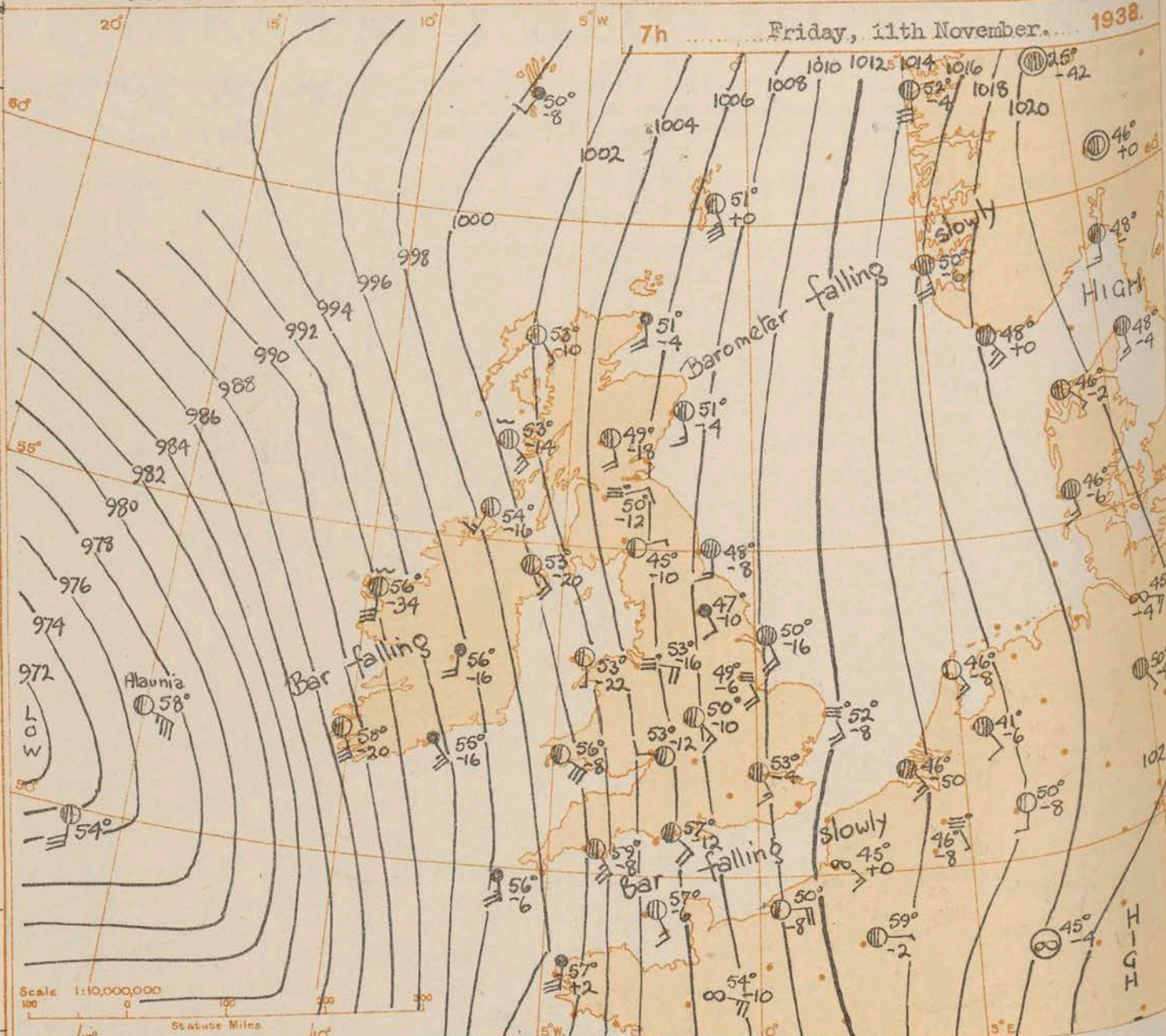
AIR MINISTRY, METEOROLOGICAL OFFICE.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (in.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min. 9h. to 9h. 10h.	Max. 9h. to 10h.	Night. 17h. to 9h. 10h.	Day. 9h. to 10h.	
1	Tunbridge W.	bc	bcco	47	56	-	-	1.0
	Bournemouth	o	bcc	49	56	-	-	1.5
	Ventnor	oco	cof	49	57	-	-	0.2
	Southsea	c	co	50	56	-	-	0.3
	Bognor Regis	c	bccc	49	55	-	-	1.4
	Littlehampton	c	cbcc	50	57	-	-	1.5
	Worthing	cbcc	cbcc	49	57	-	-	2.1
	Brighton	bbc	cb	49	58	-	-	4.1
	Eastbourne†	co	oco	53	56	-	-	1.0
	Hastings†	o	coco	52	55	-	-	0.0
	Folkestone	o	o	47	55	-	-	0.0
	Dover	co	o	47	56	-	-	0.1
2	Deal	o	o	47	55	-	-	0.0
	Ramsgate	co	o	47	55	-	-	0.0
	Margate	cd	c	47	55	-	Trace	0.0
	Southend	o	oco	47	55	-	-	0.1
	Clacton-on-Sea	omc	co	47	54	-	-	0.0
	Dovercourt	oc	oc	48	54	-	-	0.0
	Lowestoft	c	cof	49	54	-	-	0.0
	Skegness	bccb	bcco	46	54	-	-	0.8
	Mablethorpe	bc	bcbm	46	54	-	-	3.0
	Cleethorpe	bc	bcc	46	56	-	-	3.8
	Leamington S.	cbc	bc	48	58	-	-	2.1
	Cheltenham†	cbcc	c	46	56	-	-	0.5
3	Bath	c	cbcb	48	60	-	-	1.9
	Weymouth	c	c	50	56	-	-	0.2
	Jersey	oc	bc	50	58	-	-	2.2
	Torquay	cz	o	51	56	2	0.5	0.0
	Falmouth	ocr	c	52	57	2	0.5	0.3
	Penzance	cbc	ccid	53	59	2	Trace	0.5
	St. Ives	o	p	51	59	2	2	0.0
	Bude	bcc	bc	48	64	-	-	1.9
	Ilfracombe	bcbbc	cbcc	49	59	-	-	1.8
	Aberystwyth	cbcc	bcc	49	62	-	-	1.8
	Llandudno	c	c	49	62	0.2	-	0.8
	Colwyn Bay	bcc	bcc	49	62	-	-	1.9
4	Rhyl	bcc	bcc	46	60	-	-	1.0
	Wallasey	c	c	46	54	-	-	0.0
	Southport	czcp	p,cz	45	54	-	Trace	0.3
	Blackpool	ccpc	dcm	45	54	-	0.3	0.1
	Morecambe	bctm	dcm	43	54	-	Trace	0.2
	Ilkley	c	c	42	53	-	-	0.0
	Harrogate	oc	c	42	51	-	-	0.4
	Berwick-on-T.	cm,bc	bcmc	45	53	Trace	-	1.9
	Dunbar	cm,r	cm	46	56	Trace	-	0.1
	Troon	ococo	popoc	48	54	Trace	0.3	0.0
	Douglas	cirm	cirm	49	57	1	3	0.0

† 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. 11th November, 1938.
1 S.E. England	Strong southeast to east winds; mainly cloudy, occasional rain later;
2 E. England	very mild.
3 E. Midlands	Fresh or strong southeast winds; becoming cloudy, occasional rain later; very mild.
4 W. Midlands	Strong southeast to east winds, gale at times; mainly cloudy, occasional rain; mild.
5 S.W. England	Strong southeast to east winds, gale at times; mainly cloudy, occasional rain; mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	Fresh southeast winds; mainly fair with bright periods; very mild.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Strong southeast to east winds; mainly cloudy, occasional rain; very mild.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	As 9 - 11
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	As 12 - 13B.
18 N.E. Ireland	
19 S.E. Ireland	As 4 - 8.
20 S.W. Ireland	

H.N. Stationery Office Press, Kingsway W.C.2. © 1938 H.M.S.O. 25769. 9. 448. 35600. 11/38



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 depression is almost stationary to the west of Ireland and a low pressure trough southwest of Ireland will move east. There will be gales in the southwest accompanied by periods of rain, but in the Northeast it will be mainly fair. It will continue very mild generally.

FURTHER OUTLOOK.

Unsettled, probably continuing mild.

Times of issue of Gale Warnings.

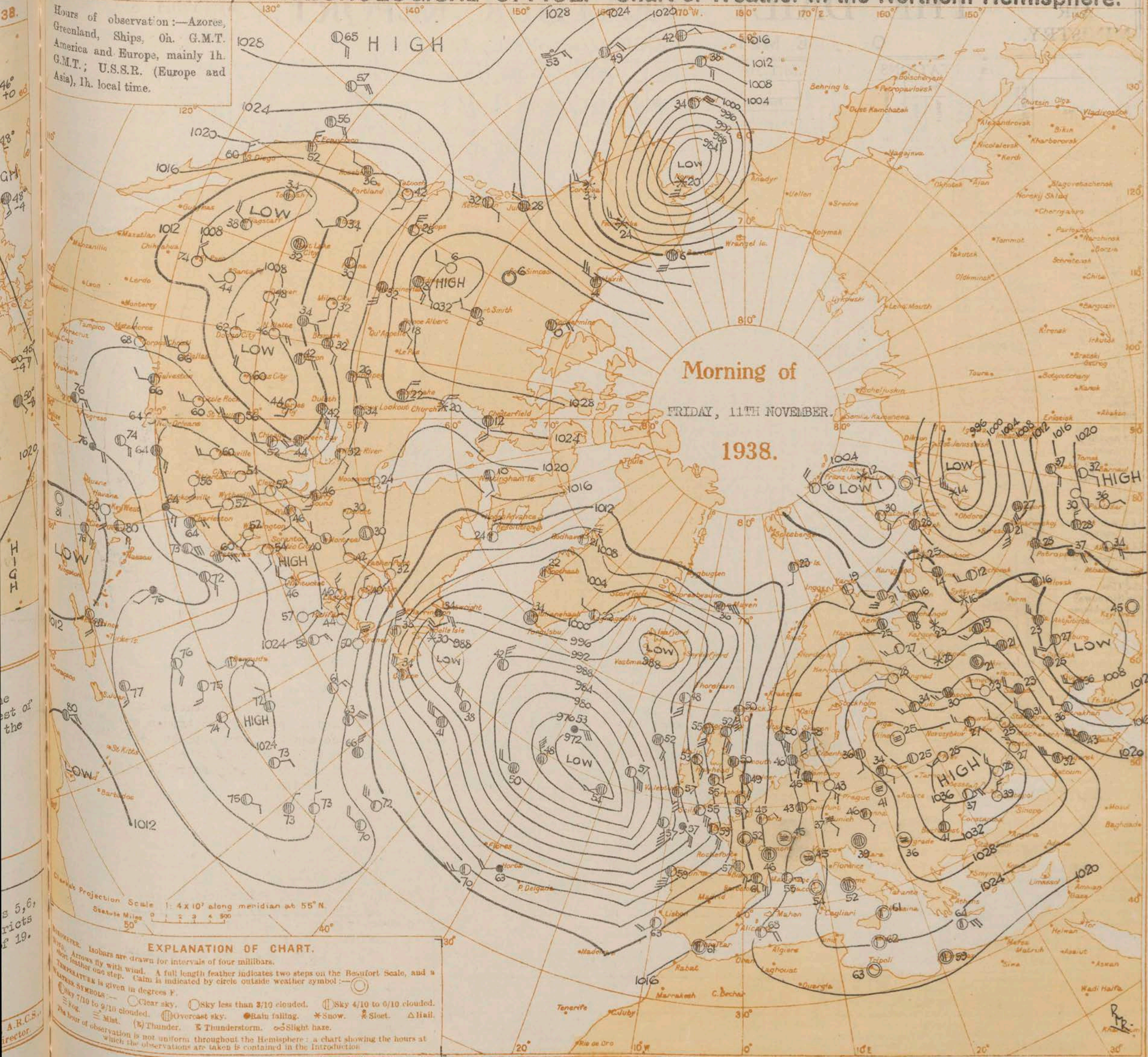
South cone hoisted at 0530 on 11th in districts 5, 6, 20 and part of 19, and at 0855 on 11th in districts 7, 8, 17 and parts of 12 and 18 and remainder of 19.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.



OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 11th November, 1938.

No. 28113

OBSERVATIONS at 7 hr. G.M.T. 11th November

PAST 24 HOURS.

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.											Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine to Sunset.		Humidity.		Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.		COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 8, 22.—Code for surface visibility. Objects not visible at 55 yards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
24 hrs. ended 9h.												Day Max.	Night Min.	Min. on Grass	Day.	Night.	Yesterday.	To-day.	15h. G.M.T.	9h. G.M.T.	24 hrs. ended 7h. G.M.T. 11h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

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

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

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

‡ Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 12th November, 1938.
No. 28114.

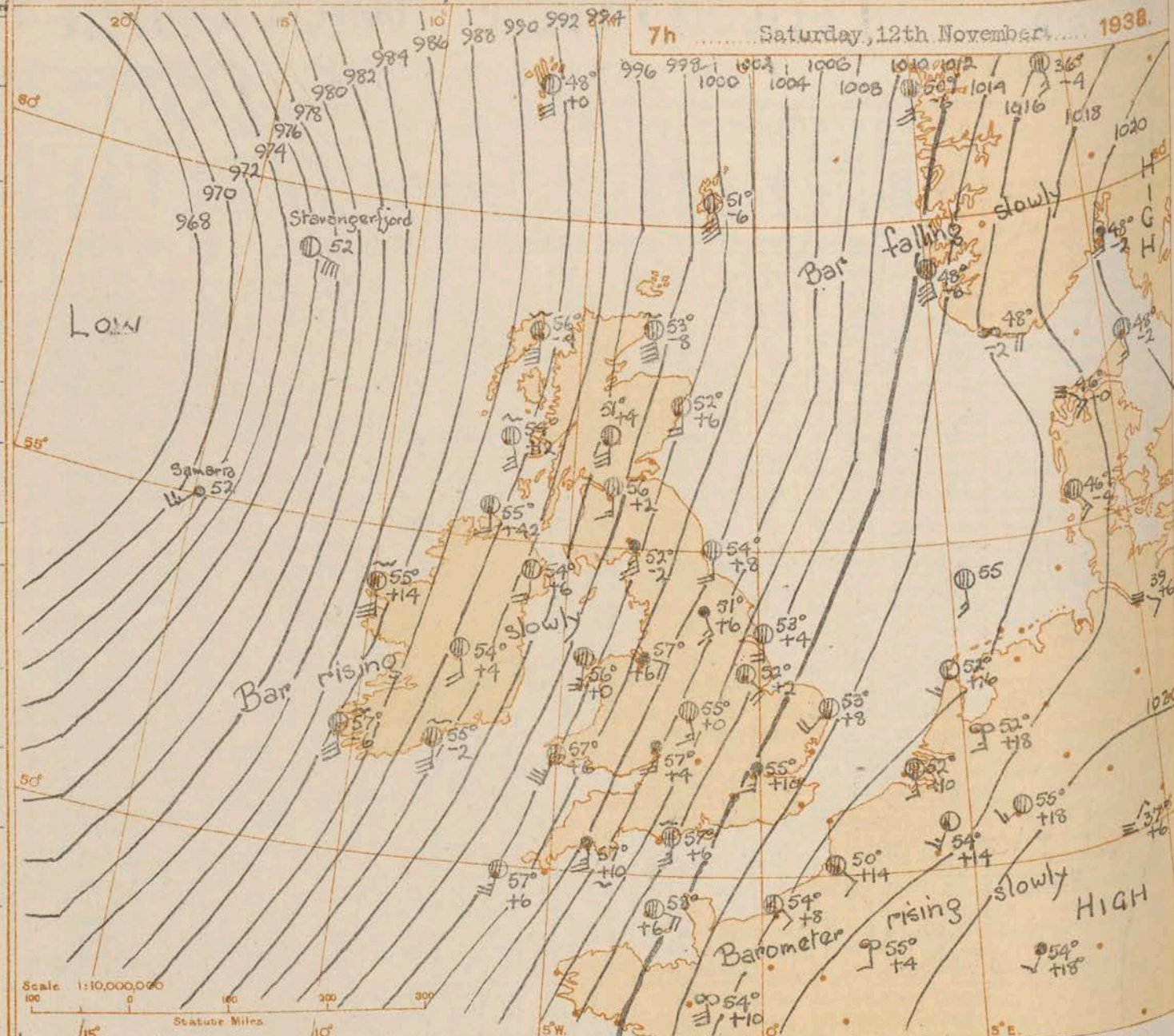
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 11th November														OBSERVATIONS at 18h. G.M.T. 11th November														PAST 24 HOURS.																		
		Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblity	Cloud.					Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblity	Cloud.					State of ground.	Sea.	WEATHER.																		
				Dir.	Force					Form.	Amount.	Height Base (feet)	Form.	Amount.			Height Base (feet)	Form.					Amount.	Height Base (feet)	Form.	Amount.	Height Base (feet)			7h.-18h. 11th.	18h.-18h. 11th.	18h. 11th to 12th.	1h.-7h. 12th.															
																																		Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)									
1	London (Kew)	1006.5	-16	SE	3	61	75	6	-	5	-	0	7.8	-	1007.8	+12	SE	3	bc	57	85	7	5	-	-	4.6	4.6	2500	1	*	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	Croydon	1007.3	-12	SSE	4	61	65	7	-	3	-	0	7.8	-	1007.7	+6	S	3	c/r	56	92	6	6	2	-	2.3	10	2500	1	*	bc	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	S. Farnborough	1005.6	-22	SE	4	59	75	7	-	3	-	0	9+	-	1007.3	+4	SW	2	c/r	55	85	6	6	-	-	3	10	1500	1	*	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc										
	Boscombe Down	1004.2	-16	SE	4	57	85	6	5	2	-	7.8	10	1500	1006.2	+16	S	5	c/r	54	97	6	6	2	-	7.8	9	800	1	*	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc										
	Calshot (St. Mary's)	1006.0	-12	SE	5	58	85	7	5	7	8	2.3	10	4000	1007.4	+10	SE	6	c	57	92	7	5	7	-	1	7.8	2500	1	3	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc										
	Lymington	1009.9	-14	SE	3	55	85	8	5	3	8	4.6	9	5700	1010.4	+6	SE	4	no	56	92	6	6	2	-	7.8	3+	2500	1	3	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	Manston	1009.3	-10	SE	3	58	85	6	5	3	8	2.3	4.6	2500	1009.5	+6	SE	3	no	57	85	6	6	2	-	7.8	3+	5700	1	3	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
2	Shoeburyness	1008.2	-18	SE	3	58	75	8	5	3	-	4.6	9	4000	1008.9	+10	SSW	4	no	56	85	7	5	-	-	10	10	1500	1	*	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	Felixstowe	1009.2	-14	ESE	4	55	85	7	5	3	8	7	2.3	4000	1009.1	+6	SSE	5	o	56	85	7	5	-	-	10	10	4000	0	4	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	Gorleston	1010.4	-6	SSE	3	55	85	5	-	4	-	0	4.6	-	1008.6	0	S	5	c	54	92	6	5	-	-	9+	9+	2500	0	3	ocbcz	ocbcz	ocbcz	ocbcz	ocbcz	ocbcz	ocbcz	ocbcz										
	Mildenhall	1006.9	-18	SE	5	61	75	6	-	3	5	0	7.8	-	1007.2	+6	SSE	4	ir	57	85	6	-	2	-	0	10	-	1	*	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb										
	Cranwell	1006.4	-18	SE	3	57	85	6	-	4	1	0	2.3	-	1005.7	+8	SE	4	no	54	92	6	-	2	-	10	10	4000	0	*	ofebcm	ofebcm	ofebcm	ofebcm	ofebcm	ofebcm	ofebcm	ofebcm										
3	Birmingham	1003.5	-18	SE	3	59	75	8	5	7	-	Tr	9	1500	1004.6	+8	SSE	2	c/r	54	92	6	6	-	-	10	10	800	1	*	cr	cr	cr	cr	cr	cr	cr	cr										
	Upper Heyford	1005.0	-20	SE	3	54	75	6	-	7	1	0	9	-	1006.1	+12	SSE	3	c/r	54	97	6	6	-	-	10	10	800	1	*	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb	bcwmb										
	Ross-on-Wye	1002.2	-16	SE	4	58	75	7	6	2	-	1	10	2500	1003.8	+10	S	4	c	55	85	6	6	1	8	2.3	9	1500	1	*	cp, bcwmb	cp, bcwmb	cp, bcwmb	cp, bcwmb	cp, bcwmb	cp, bcwmb	cp, bcwmb	cp, bcwmb										
4	Harland Point	998.9	-6	S	5	56	92	8	6	2	-	2.3	10	800	1001.3	+16	SW	5	bc	55	85	8	5	-	-	4.6	4.6	1500	1	3	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r										
	Bristol	1003.0	-14	SSE	3	57	85	6	5	2	-	7.8	10	2500	1004.5	+10	S	4	c	56	85	7	5	7	-	4.6	7.8	1500	1	3	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc										
	Portland Bill	1003.3	-6	S	5	56	92	6	5	-	-	10	10	1500	1005.6	+20	SSW	5	bc	57	92	8	5	-	-	4.6	4.6	2500	1	4	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc	bcprc										
	Plymouth	1001.3	+2	SE	4	57	97	6	6	7	-	4.6	10	1500	1003.7	+18	SW	5	bc	57	92	6	5	-	-	2.3	2.3	1500	1	4	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc	cirrc										
	The Lizard	1000.0	0	SE	6	57	97	7	8	6	-	7.8	9	1500	1002.0	+14	S	6	bc	55	92	7	4	-	-	2.3	2.3	2500	1	3	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r										
	Scilly (St. Mary's)	997.1	+4	S	5	59	85	7	8	7	3	4.6	7.8	1500	999.3	+8	S	5	b	55	97	7	5	-	-	1	1	2500	1	3	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r	cr, r										
	Guernsey	1003.8	0	S	3	56	92	7	5	-	-	10	10	2500	1006.4	+18	SSE	3	bc	56	92	8	2	7	-	2.3	4.6	2500	1	4	corr	corr	corr	corr	corr	corr	corr	corr										
6	Pembroke	998.0	-8	SSE	6	56	97	6	8	-	-	10	10	800	999.2	+6	S	6	bcq	56	85	7	5	1	-	1	2.3	2500	1	3	qm, rrc	qm, rrc	qm, rrc	qm, rrc	qm, rrc	qm, rrc	qm, rrc	qm, rrc										
	Holyhead	997.2	-26	SE	4	60	75	8	5	9	-	4.6	9+	2500	998.8	+10	SE	4	ir	54	92	8	9	2	-	7.8	9	1500	1	3	cbcc	cbcc	cbcc	cbcc	cbcc	cbcc	cbcc	cbcc										
	Chester (Sealand)	1001.1	-26	ESE	4	58	85	5	5	7	-	4.6	7.8	5700	1001.7	+12	ESE	3	c/r	55	92	6	6	2	-	7.8	10	1500	1	*	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb										
	Manchester	1002.2	-30	ESE	3	59	75	5	5	3	-	4.6	9+	4000	1002.6	+6	SSE	3	no	56	92	5	6	2	-	7.8	10	1500	1	*	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb	cm, bcwmb										
10	Spurn Head	1006.9	-20	SE	5	53	92	6	-	3	8	0	4.6	-	1005.6	-2	SSE	4	r	54	85	7	5	-	-	10	10	800	1	3	omcm	omcm	omcm	omcm	omcm	omcm	omcm	omcm										
	Catterick	1005.1	-22	SE	3	51	97	5	5	-	-	10	10	220	1002.9	-6	SSE	3	rr	54	92	5	-	2	-	10	10	800	1	*	of, d, om	of, d, om	of, d, om	of, d, om	of, d, om	of, d, om	of, d, om	of, d, om										
	Tynemouth	1005.6	-14	SSE	3																																											

REPORTS from HEALTH RESORTS for 11th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	
				9h. to 12h.	9h. to 12h.	12h. to 9h.	9h. to 12h.	
1	Tunbridge W.	bcc	coro	49	60	-	0.5	2.2
	Bournemouth	co	rro	53	58	0.3	0.5	0.0
	Ventnor	opoc	oreu	52	59	Trace	0.5	0.1
	Southsea	cp.c	corc	53	59	Trace	2	0.1
	Bognor Regis	ocbc	oro	53	58	Trace	1	1.0
	Littlehampton	bcc	crc	52	61	Trace	1	1.5
	Worthing	cbe	cir	52	59	-	1	1.3
	Brighton	cbe	bcn	52	59	-	1	1.3
	Eastbourne	c	cor	52	60	-	1	1.6
	Hastings	cbe	cor	52	59	Trace	0.3	1.0
	Folkestone	bbcc	cor	47	58	-	Trace	1.4
	Dover	bc	bcc	51	60	-	-	2.4
	Deal	obc	coco	51	59	-	-	2.9
	Ramsgate	mbcc	c	50	58	-	-	3.1
	Margate	bc	bcc	50	59	-	-	3.1
2	Southend	bbcc	cr	50	60	Trace	Trace	2.3
	Claughton-on-Sea	bcc	c	50	56	-	-	2.7
	Dovercourt	oc	bc	50	57	-	-	3.5
	Lowestoft	ofbc	bccm	51	57	-	-	3.5
	Skegness	ocbc	bcc	47	53	-	-	4.4
	Mablethorpe	bccm	bc	47	55	-	-	3.6
	Cleethorpe	cbe	bc	44	56	-	-	2.8
3	Leamington S.	bc	cor	50	62	-	3	2.7
4	Cheltenham	cgbcc	corc	43	60	Trace	3	2.4
5	Bath	cr	rro	52	60	Trace	3	0.1
	Weymouth	cbr	rc	54	60	-	6	0.7
	Jersey	co	rbcc	52	60	-	2	0.4
	Torquay	corp	oircb	55	58	-	3	0.0
	Falmouth	oroc	bc	53	58	1	3	1.6
	Penzance	rarc	cb	55	58	1	-	2.0
	St. Ives	r	c	49	57	3	6	1.9
	Bude	cor	cpbc	47	59	-	2	1.3
	Ilfracombe	cbbc	copoc	55	60	-	4	0.0
6	Aberystwyth	cbbc	cpr	54	61	-	3	1.2
7	Llandudno	cbe	cdr	53	61	-	1	1.4
	Colwyn Bay	bcc	copoc	52	60	-	0.3	0.8
	Rhyl	mbcc	cpr	49	59	-	0.3	0.5
8	Wallasey	bcc	cor	49	58	-	1	0.6
	Southport	bczbc	czoir	49	60	-	1	2.2
	Blackpool	cbbc	cor	48	60	-	1	1.4
	Morecambe	mbcc	cor	45	60	Trace	2	1.3
9	Ilkley	fdof	for	44	55	0.2	Trace	0.0
	Harrogate	odoc	cor	44	54	0.2	Trace	0.0
10	Berwick-on-T.	orc	cmo	46	51	-	Trace	0.0
11	Dunbar	bcm	bcm	48	54	-	-	2.8
12	Troon	bccbc	bccop	50	58	Trace	Trace	0.0
	Douglas	cirm	cirm	49	55	1	2	0.2

† 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. 12th November, 1938.

1 S.E. England	Fresh or strong southerly winds, cloudy or dull; occasional rain, becoming fairer later; very mild.
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	Strong southerly winds, a gale in exposed places; cloudy or dull; occasional rain; mild.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W. Scotld. 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	

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 is centred west of Scotland. There will be strong winds or gales in many places. It will be mild generally with occasional rain though in the Southeast it will probably become fairer later.

FURTHER OUTLOOK.

Unsettled; continuing mild.

Times of Issue of Gale Warnings.

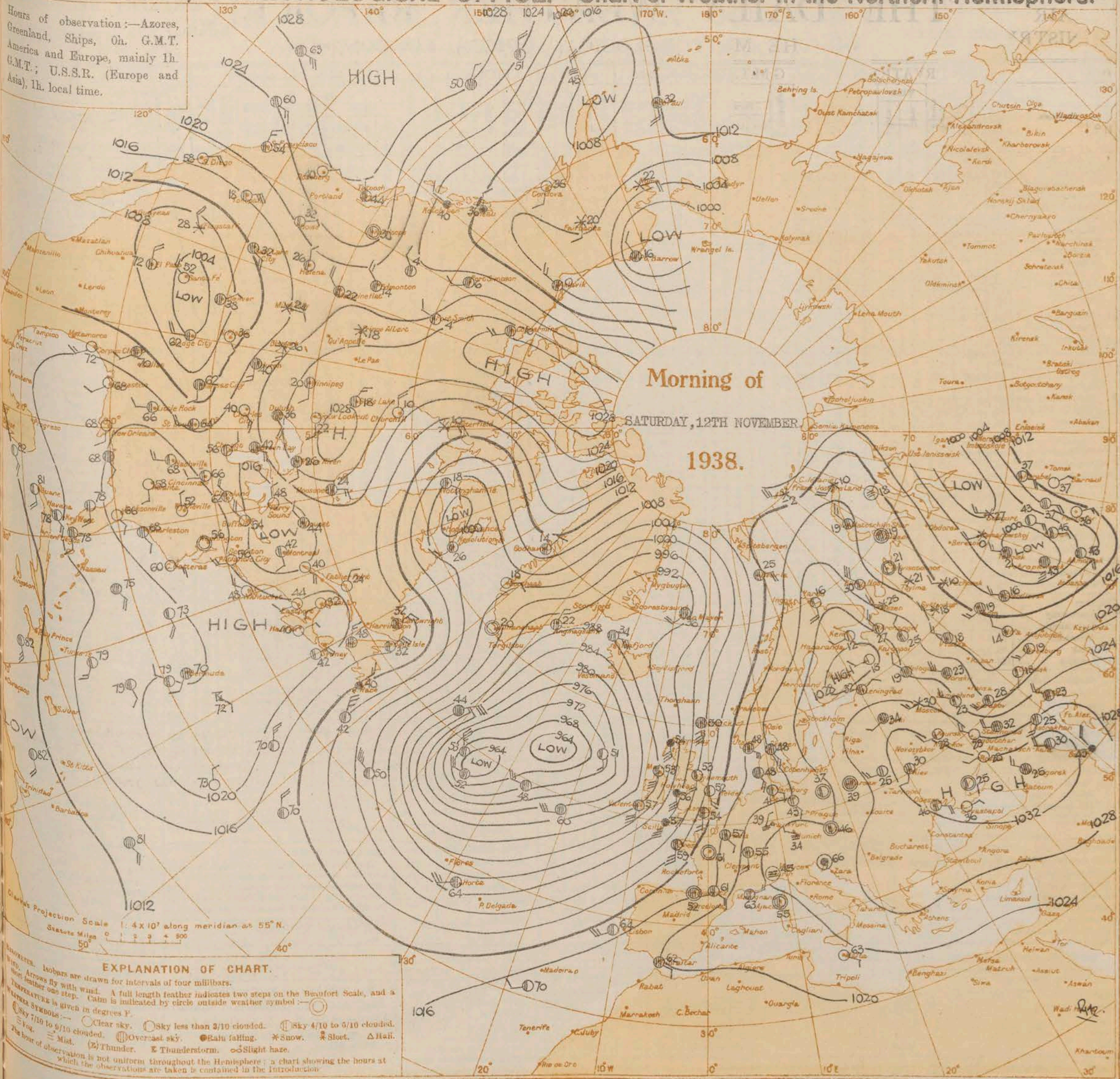
South cone hoisted at 0530 on 11th in districts 5, 6, and 20. At 0855 on 11th in districts 7, 8, 17 & 19. At 0200 on 12th in districts 12, 13A, 13B. and 18. At 0205 on 12th in district 16 and 0830 on 12th in districts 10, 11, 15 and part of 1.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.



PAST 24 HOURS.

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.													
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.														The barometric tendency is expressed in tenths of a millibar.													
Height above M.S.L. in feet.														Columns 3, 22.—Code for surface visibility.													
Weather														Columns 4, 18.													
Temperature.														Columns 5, 19.													
Rainfall.														Columns 6, 20.													
Sunshine.														Columns 7, 21.													
Humidity.														Columns 8, 22.—Code for objects not visible at 55 yards.													
Atmospheric Pollution.														Columns 9, 23.—Code for state of sea.													
Milligrams of Solid Impurity per cubic metre.														Columns 34, 35.													
24 hrs. ended 7h. G.M.T. 12h.														The speed at about 30 feet above the ground.													
SOUTH KENSINGTON.														Columns 36, 37.													
Kew Observatory.														Columns 38, 39.													
Past 24 Hours.														Columns 40, 41.													
Columns 42, 43.														Columns 44, 45.													
Columns 46, 47.														Columns 48, 49.													
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N. K. JOHNSON, M.Sc., A.R.C.S., Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 13th November, 1938.
No. 28115.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 12th November														OBSERVATIONS at 18h. G.M.T. 12th November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																														
	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.	Weather.	Temp.	Humid.	Visib.	PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																									
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REPORTS from HEALTH RESORTS for 12th November 1933.

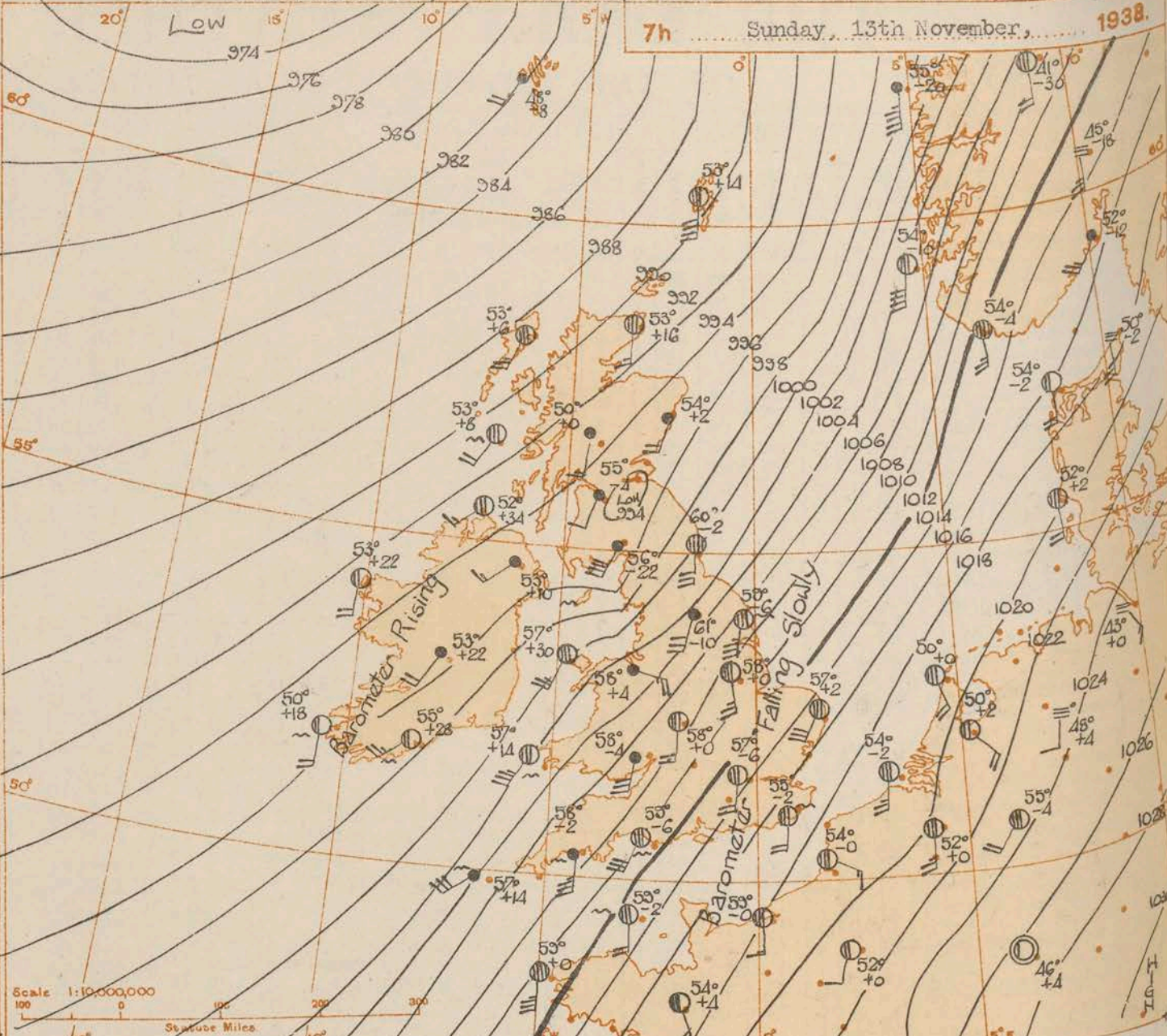
DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	
				9h. 11h. to 9h. 12h.	9h. 17h. to 12h.	17h. 11h. to 9h. 12h.	9h. 17h. to 12h.	
1	Tunbridge W.	or	opo	52	61	3	2	0.0
	Bournemouth	co	o	55	60	1	-	0.1
	Ventnor	oco	oc	54	60	-	-	0.8
	Southsea	cpc	c	55	61	1	1	0.4
	Bognor Regis	oc	o	52	59	0.5	Trace	0.2
	Littlehampton	cpc	c	56	60	-	0.4	0.0
	Worthing	cr	c	55	61	-	1	0.1
	Brighton	rc	c	50	61	0.5	Trace	0.0
	Eastbourne†	o	ocp.o	55	60	0.5	0.2	0.1
	Hastings†	coc	p.o.co	54	59	1	Trace	0.1
	Folkestone	oro	o	55	59	4	Trace	0.0
	Dover	oid	o	58	61	3	0.5	0.0
	Deal	coc	c	54	60	1	-	0.5
	Ramsgate	coc	c	54	60	1	Trace	0.6
	Margate	cd	bcc	53	60	1	Trace	0.5
2	Southend	ocp.o	cpc	52	59	2	Trace	0.2
	Clacton-on-Sea	cpc	cpc	52	57	1	0.2	0.2
	Dovercourt	doc	oc	*	57	1	-	0.0
	Lowestoft	cir.c	cir.o	52	57	1	0.1	0.7
	Skegness	orrcb	bco	*	58	2	Trace	1.3
	Mablethorpe	or	or	54	58	1	1	0.0
	Cleethorpes	cr.bcc	cr.o	51	59	1	Trace	1.3
3	Leamington S.	bccp	op	53	61	0.3	0.5	0.5
4	Cheltenham†	coc	cir.o	53	61	3	1	0.0
5	Bath	cgr.	cgr.	55	62	1	0.5	0.1
	Weymouth	c	c	56	61	1	-	0.0
	Jersey	c	c	55	64	-	-	1.8
	Torquay	orpg	orpg	56	61	4	2	0.0
	Falmouth	orrog	qorog	55	60	3	3	0.0
	Penzance	rcqid	qir	55	60	5	1	0.0
	St. Ives	qcp	qcp	55	62	1	2	0.0
	Bude...	oro	oro	55	62	5	8	0.0
	Ilfracombe	prcir	irc	54	62	5	1	0.0
6	Aberystwyth	rc	cir.o	55	64	2	1	0.4
7	Llandudno	pc	pcp	53	63	3	2	0.6
	Colwyn Bay	c	c	53	64	1	0.3	0.4
	Rhyl	pcp	cpc	53	61	1	0.3	0.3
8	Southport	cpbc	oro	51	60	1	2	0.1
	Blackpool	cpc	oPo	51	60	2	2	0.1
	Morecambe	oero	cor	48	60	1	0.2	0.0
9	Ilkley	c	c	48	57	1	0.1	0.0
	Harrogate	co	c	47	57	1	-	0.1
10	Berwick-on-T.	cm.r.	cm.r.	47	55	1	0.3	0.2
11	Dunbar	coc	pop	52	58	4	Trace	0.0
12	Troon	cirm	cirm	52	58	3	Trace	0.0
	Douglas							

† 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. 13th November, 1933.
1 S.E. England	Fresh or strong southerly winds; cloudy with a period of rain later followed by showers and bright intervals; very mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	Strong southerly winds, a gale in exposed places; cloudy or dull with rain, heavy at times, showers and bright periods later; mild.
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Strong southerly winds, a gale in exposed places, moderating gradually; showers and bright periods; mild.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. 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	

H.M. Stationery Office Press, Kingsway W.C.2. Printed by the Government Printer, 1933.

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 is centred south of Iceland and secondary disturbances are moving eastwards across the British Isles. Rain, heavy at times, will spread eastwards across Scotland and England and will be followed by showers and bright periods. It will be mild generally with strong winds or gales in many places.

FURTHER OUTLOOK.

Continuing mild.

Times of Issue of Gale Warnings

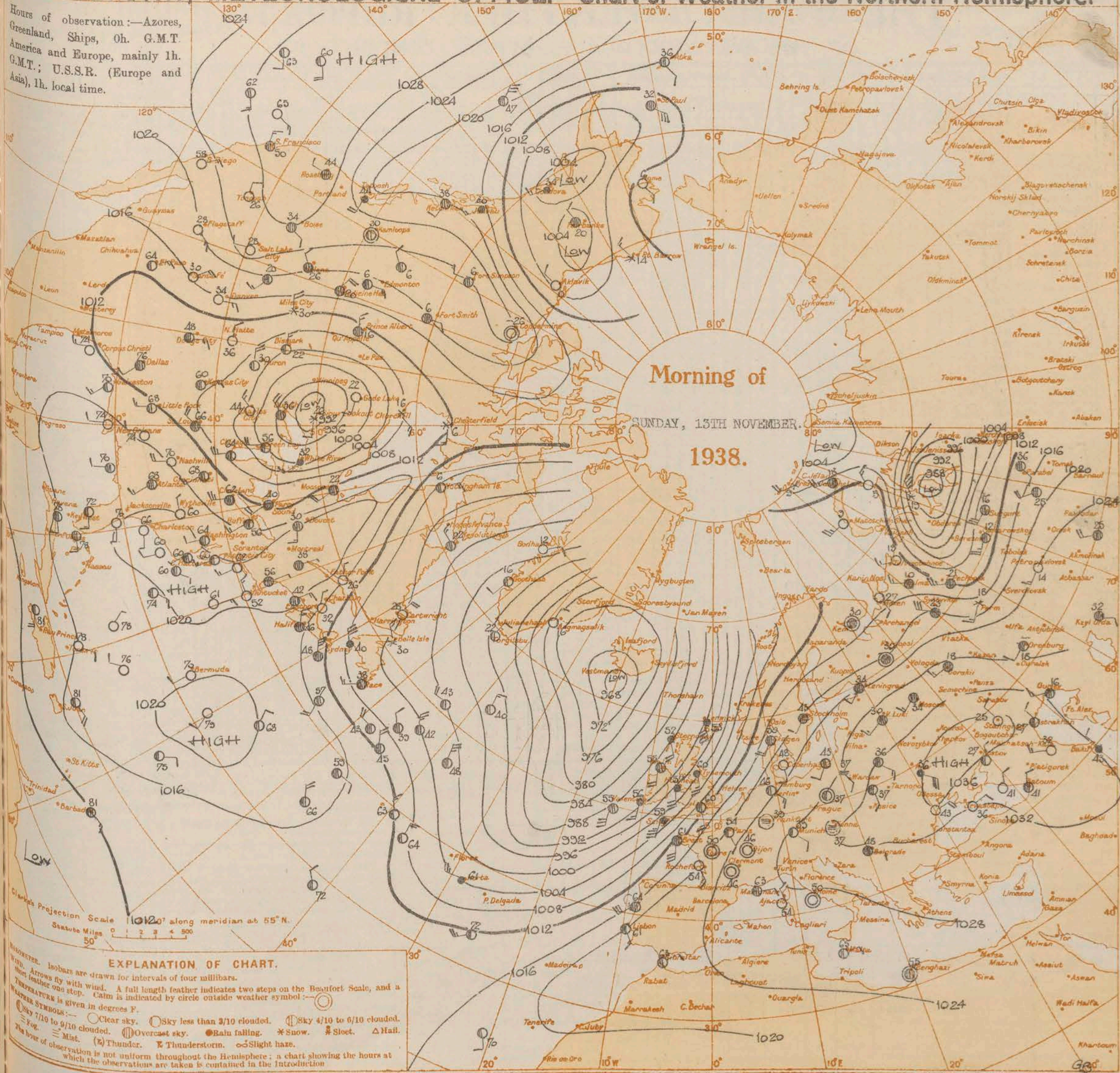
South Cone hoisted at 0530 on 11th in districts, 5, 6 and 20; at 0855 on 11th in districts 7, 8, 12, 17 and 19; at 0200 on 12th in districts 13 and 18; at 0205 on 12th in districts 16 and at 0830 on 12th in districts 10, 11, 15 and part of 1

Forecasts issued at 1030 G.M.T.











N. K. JOHNSON, M.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.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Wind. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: 
 Temperature is given in degrees F.
 Sky 7/10 to 9/10 cloudy.  Clear sky.  Sky less than 3/10 cloudy.  Sky 4/10 to 6/10 cloudy. 
 Fog.  Mist.  Thunder.  Thunderstorm.  Slight haze. 
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 13th November, 1938.
No. 28115

OBSERVATIONS at 1 hr. G.M.T. 13th November														OBSERVATIONS at 7 hr. G.M.T. 13th November														PAST 24 HOURS										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. (6)	Humid. (7)	Visib. (8)	Cloud. (9) (10) (11) (12) (13)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. (20)	Humid. (21)	Visib. (22)	Cloud. (23) (24) (25) (26) (27)					State of Ground. (28)	Sea. (29)	TEMPERATURE. (30) (31) (32)			RAINFALL. (33) (34)		Sunshine (35)		
					Dir.	Force 0-12					Form.	Amount.	Height of Base. (feet)	Form.	Amount.			Height of Base. (feet)	Form.					Amount.	Height of Base. (feet)	State of Ground. (28)	Sea. (29)	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	*	*	*	*	*	*	*	*	*	*	*	1012.9	-8	S	4	C	58	75	8	5	-	2	4-6	7-8	2500	1	*	61	57	54	2	Tr	1.0			
	Croydon	217	1014.9	0	S	3	C	60	65	8	5	-	7-8	7-8	4000	1013.9	-6	SE	4	C	57	85	8	5	8	-	7-8	9	4000	1	*	61	57	54	2	-	0.3	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1012.7	-14	S	4	C	59	75	8	5	7	-	4-6	9+	4000	1	*	60	57	55	2	-	0.1			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1010.8	-6	S	5	C	56	92	7	5	7	-	7-8	9+	1500	1	*	59	56	54	1	Tr	0.1			
	Calshot (Stamtn.)	8	*	*	*	*	*	*	*	*	*	*	*	1013.2	-2	SE	6	C	59	75	8	5	7	-	4-6	9	4000	1	3	61	58	57	0.4	-	0.3			
	Lymington	346	1017.3	+6	SE	4	C	56	85	8	5	-	2	4-6	7-8	5700	1017.0	-2	SE	4	C	55	85	8	5	-	2	4-6	7-8	5700	1	4	58	55	52	0.1	-	0.5
	Manston	154	1017.3	-2	S	4	C	58	85	7	5	7	-	4-6	9+	4000	1016.3	-2	S	4	C	56	85	7	5	7	6	4-6	9	4000	1	*	60	55	52	0.2	-	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1015.1	-2	SE	5	C	56	85	8	5	7	2	2-3	9	2500	1	*	59	55	50	1	-	0.4			
	Felixstowe	16	*	*	*	*	*	*	*	*	*	*	*	1015.4	+2	SE	4	C	55	85	7	5	3	8	2-3	9	4000	1	3	58	54	51	0.2	-	0.3			
	Gorleston	6	1014.7	+4	SSW	5	C	56	85	6	5	-	9+	9+	2500	1014.3	+2	SSW	6	C	57	85	6	5	-	9	9	2500	1	3	58	55	54	Tr	-	0.4		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1011.6	-6	S	5	C	59	75	8	5	1	-	7-8	9+	4000	0	*	61	57	53	0.5	-	1.1			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1008.7	0	SE	5	C	58	65	8	5	7	-	2-3	9+	4000	0	*	59	58	55	0.2	-	0.6			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1006.5	0	S	4	C	58	85	8	6	1	-	4-6	9+	1500	1	*	59	58	55	2	4	0.0			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1010.1	-2	S	5	C	58	75	7	5	4	-	7-8	9	2500	1	*	60	57	51	1	Tr	0.1			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1006.8	-4	SW	6	rr	58	92	6	6	2	-	4-6	10	1500	1	*	61	58	55	3	2	0.0			
5	Hartland Point	299	1003.5	-6	SW	8	q	60	85	8	6	2	-	4-6	10	800	1004.5	+12	SW	8	rr	58	97	7	-	2	-	10	10	800	1	4	61	56	57	2	5	0.1
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1008.3	-4	SW	6	C	61	75	7	5	7	-	4-6	7-8	1500	1	*	60	59	54	2	1	0.1			
	Portland Bill	32	1011.3	-12	SSW	6	C	58	92	7	5	7	-	7-8	10	2500	1010.7	-6	SSW	6	C	59	92	7	5	-	10	10	2500	1	5	58	54	*	-	7	0.0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1007.4	-2	S	7	rr	58	97	6	-	2	-	10	10	450	1	4	59	58	55	4	3	0.0			
	The Lizard	240	1007.1	-2	SE	7	C	57	92	7	4	2	-	9	10	1500	1006.5	-2	SW	7	rr	57	97	6	5	-	10	10	800	1	4	59	56	*	2	6	0.0	
	Scilly (St. Mary's)	163	1002.4	-16	SW	7	rr	59	97	6	9	7	-	7-8	10	1500	1004.3	+4	SW	6	rr	57	97	6	6	-	10	10	800	1	4	59	57	*	2	6	0.0	
	Guernsey	176	1013.8	-10	SE	4	C	58	85	8	8	-	-	9+	9+	2500	1013.0	-2	S	4	C	59	85	7	8	-	9	9	2500	1	4	63	57	52	-	-	1.0	
6	Pembroke	142	1001.4	+4	S	8	q	58	92	6	5	-	10	10	800	1002.0	+4	SSW	7	q	57	97	5	8	2	-	7-8	10	1500	1	5	59	54	*	8	8	0.0	
7	Holyhead	26	999.0	+6	SW	6	rr	57	97	6	6	2	-	4-6	10	450	999.1	+30	SSW	6	q	57	92	8	5	3	-	2-3	10	1500	1	3	59	55	55	0.2	21	0.5
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1002.2	+4	SEE	5	rr	58	92	7	6	2	-	9	10	1500	1	*	62	58	56	0.4	12	0.2			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1003.6	-2	S	5	rr	59	85	6	5	7	-	4-6	10	1500	1	*	61	58	55	1	5	0.0			
10	Spurn Head	29	1008.2	-2	SW	7	q	60	75	7	5	-	9+	9+	1500	1007.3	-6	S	7	q	59	97	7	5	-	-	9+	9+	1500	0	4	58	56	*	0.3	-	1.4	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1000.9	-10	SW	6	rr	61	75	8	6	-	-	9	9	800	1	*	58	57	56	0.6	4	0.0			
	Tynemouth	108	1000.5	-12	S	5	q	60	85	7	6	-	-	10	10	1500	998.8	-2	S	6	rr	60	75	7	6	-	-	10	10	1500	1	2	58	58	54	-	2	0.0
11	St. Abbs Head	260	996.0	-16	S	6	RR	57	85	7	3	2	-	7-8	10	1500	993.2	-36	S	7	RR	58	92	7	9	2	-	9	10	1500	2	4	67	55	*	0.5	15	0.0
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	993.6	-12	SSW	1	RR	54	97	7	6	2	-	7-8	10	800	2	*	58	54	52	2	13	0.0			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	994.2	-4	SSW	2	RR	55	92	6	6	2	-	9	10	800	1	*	60	53	51	2	11	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	994.2	-22	SSW	8	rr	56	92	6	6	-	-	10	10	450	2	*	56	53	53	10	41	0.0			
	Point of Ayre	30	996.3	-4	SW	7	r	58	97	7	6	2	-	7-8	10	1500	995.6	-2	WS	6	rr	57	97	7	8	2	-	7-8	10	800	1	4	59	56	*	1	26	0.0
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	990.3	+8	SSW	4	C	53	92	7	5	-	-	7-8	7-8	1500	1	4	56	52	50	3	10	0.0			
13B	Stornoway	80	988.2	-8	SSE	4	rr	52	92	6	5	2	-	7-8	10	1500	988.6	+6	SSW	5	C	53	85	7	5	7	-	7-8	9+	2500	1	3	56	51	*	7	8	0.0
16	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	992.4	0	S	3	rr	50	92	6	4	1	-	2-3	10	2500	1	*	54	49	47	11	17	0.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	994.4	+2	SW	4	rr	54	97	6	6	1	-	4-6	10	1500	1	3	55	54	51	Tr	2	0.0			
	Wick	81	989.1	-22	SSE	6	C	54	97	7	5	1	-	7-8	9+	1500	990.9	+6	S	3	C	53	92	7	5	2	-	7-8	10	1500	1	2	55	53	*	0.1	1	0.0
16	Lerwick	166	991.7	-8	SSE	8	rr	53	92	6	5	-	-	10	10	450	989.8	+4	S	8	C	53	92	6	8	7	-	7-8	9+	800	1	*	52	51	*	0.1	5	0.0
17	Blackad Point	18	988.5</																																			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

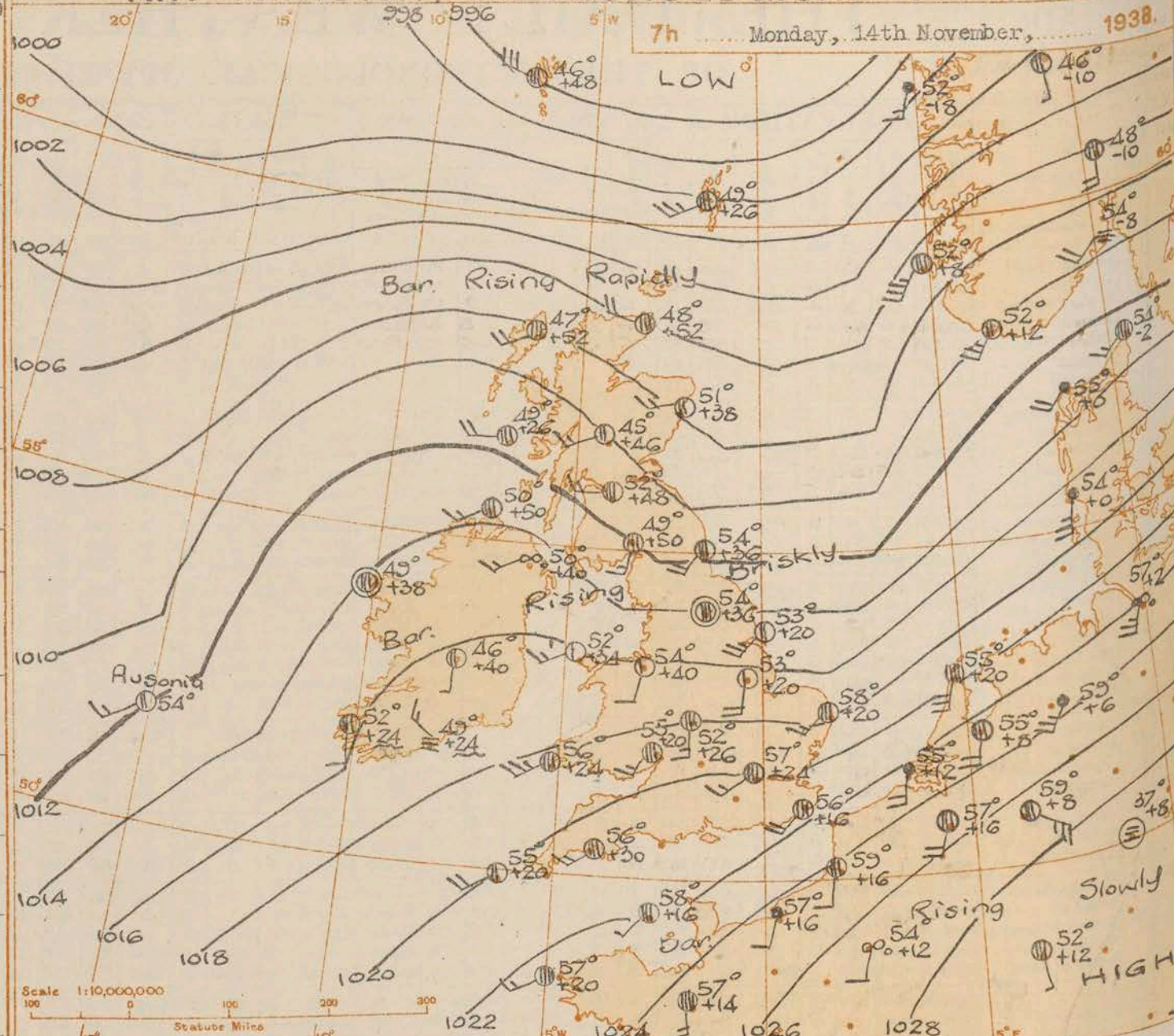
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 13th November.														OBSERVATIONS at 18h. G.M.T. 13th November.														PAST 24 HOURS.							
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force 0-12	Weather.	Temp.	Humid.	Visib.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force 0-12	Weather.	Temp.	Humid.	Visib.	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.									
									Form.			Amount.									Height of Base (feet)	Form.			Amount.			Height of Base (feet)	7h.—13h. 13th.	13h.—18h. 13th.	18h. 13th to 14th.	14h.—7h. 14th.					
									Low	Med.	High	Low	Total									Low	Med.	High	Low								Total				
																																		(9)	(10)	(11)	(12)
(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)	1013.6	0	SW	4	id.	60	85	6	5	-	10	10	1500	1014.2	+12	SSW	4	C	60	85	8	5	-	9	9	1500	1	*	ccid.	ccid.	ccid.	ccid.	ccid.			
	Croydon	1014.1	+2	SW	4	C	60	85	7	5	-	10	10	4000	1014.6	+4	SSW	5	C	59	92	6	6	2	-	7-8	10	1500	1	*	cir.	cir.	cir.	cir.	cir.		
	S. Farnborough	1013.7	+6	S	4	dd	58	92	6	6	2	-	9	10	800	1014.5	+10	SW	4	C	59	92	6	6	2	-	10	10	800	1	*	cir.	cir.	cir.	cir.	cir.	
	Boscombe Down	1012.1	+6	SW	6	rr	58	97	6	6	2	-	7-8	10	800	1013.5	+12	SW	5	C	59	97	6	8	2	-	7-8	10	800	1	*	cir.	cir.	cir.	cir.	cir.	
	Calshot (Stmnt.)	1013.8	+2	SW	6	C	59	85	6	6	2	-	4-6	10	1500	1014.8	+6	SW	6	C	59	97	6	-	2	-	10	10	450	1	4	cir.	cir.	cir.	cir.	cir.	
	Lymington	1016.8	-2	SSW	5	C	58	85	8	-	1	7	0	9	-	1017.4	+6	SSW	5	C	58	85	7	5	7	-	7-8	9	2500	1	3	bce	bce	bce	bce	bce	
	Manston	1016.4	-2	S	4	C	60	75	7	-	7	0	9	-	1017.1	+10	SW	5	C	61	75	7	5	-	-	10	10	4000	1	*	cir.	cir.	cir.	cir.	cir.		
2	Shoeburyness	1014.9	0	S	5	C	60	75	8	-	9	8	0	9	-	1015.7	+10	SSW	5	C	60	85	8	5	7	-	4-6	9	2500	1	*	cir.	cir.	cir.	cir.	cir.	
	Felixstowe	1015.0	0	SE	4	Z	57	85	6	5	2	-	2-3	10	2500	1015.1	+2	S	5	Z	58	85	6	5	2	-	7-8	10	2500	0	4	cm.	cm.	cm.	cm.	cm.	
	Gorleston	1013.6	-4	SSW	5	C	58	85	6	5	-	-	9	9	2500	1013.7	+8	SW	5	C	59	85	6	5	-	-	10	10	2500	1	4	cq.	cq.	cq.	cq.	cq.	
	Mildenhall	1011.9	-6	SE	5	C	62	75	7	5	2	-	7-8	10	4000	1012.9	+10	S	5	Z	62	85	6	5	-	-	10	10	1500	1	*	cm.	cm.	cm.	cm.	cm.	
	Cranwell	1009.4	+6	SW	5	dr	58	97	7	6	2	-	7-8	10	800	1009.7	+2	SSW	4	bc	59	85	7	5	-	-	2-3	2-3	4000	1	*	cir.	cir.	cir.	cir.	cir.	
3	Birmingham	1007.7	-2	S	4	C	58	97	7	6	2	-	7-8	10	800	1009.6	+14	SSW	4	bc	59	85	8	5	-	-	4-6	4-6	800	1	*	corr	corr	corr	corr	corr	
	Upper Heyford	1011.1	+4	SW	4	ir	59	92	7	5	1	-	4-6	10	450	1011.9	+8	SE	5	ir	59	92	7	5	-	-	10	10	450	1	*	cir.	cir.	cir.	cir.	cir.	
4	Ross-on-Wye	1008.4	+4	SW	4	C	60	85	7	6	7	-	7-8	9	1500	1009.3	+10	SW	4	b	59	85	7	5	-	-	-	-	-	-	*	cir.	cir.	cir.	cir.	cir.	
5	Harland Point	1006.5	+10	SW	5	qjp	60	85	7	5	-	-	10	10	1500	1008.8	+10	SW	6	C	59	92	7	6	2	-	7-8	10	800	1	4	orr	orr	orr	orr	orr	
	Bristol	1009.8	+6	SSW	5	C	60	92	7	6	2	-	7-8	10	800	1011.9	+14	SSW	4	C	59	92	7	5	-	-	7-8	7-8	1500	1	*	cir.	cir.	cir.	cir.	cir.	
	Portland Bill	1012.1	+8	S	6	rr	59	92	7	5	-	-	10	10	1500	1013.6	+12	SW	6	rr	59	92	7	5	-	-	10	10	1500	1	5	orr	orr	orr	orr	orr	
	Plymouth	1009.2	+6	SSW	6	qj	58	97	6	-	2	-	10	10	800	1012.9	+20	SSW	5	C	58	97	6	5	-	-	9	9	800	1	5	orr	orr	orr	orr	orr	
	The Lizard	1009.1	+12	SSW	6	C	57	97	6	5	-	-	10	10	800	1011.9	+12	SSW	5	C	57	97	6	8	2	-	9	9	1500	1	4	orr	orr	orr	orr	orr	
	Scilly (St. Mary's)	1005.9	+4	SSW	5	C	59	97	6	5	-	-	7-8	7-8	800	1009.4	+14	SSW	6	C	57	97	6	5	-	-	10	10	1500	1	4	orr	orr	orr	orr	orr	
	Guernsey	1014.3	+8	SW	4	rr	60	92	6	5	-	-	10	10	2500	1015.8	+14	S	4	rr	59	97	6	5	-	-	10	10	1500	1	4	c	orr	orr	orr	orr	orr
6	Pembroke	1004.5	+8	SW	7	id.	57	97	6	5	-	-	10	10	800	1007.1	+16	SW	7	bc	58	92	6	5	4	-	2-3	4-6	1500	1	4	cm.	cm.	cm.	cm.	cm.	
	Holyhead	1002.3	+2	SW	4	C	57	92	6	5	2	-	9	10	800	1003.3	+12	SSW	6	C	57	85	7	8	-	-	9	9	2500	1	2	cm.	cm.	cm.	cm.	cm.	
	Chester (Sealand)	1004.5	+10	SE	4	rr	60	85	7	6	2	-	9	10	1500	1006.1	+12	SE	4	C	61	75	8	8	-	-	9	9	2500	1	*	cm.	cm.	cm.	cm.	cm.	
	Manchester	1005.6	+12	SE	5	C	59	85	7	5	7	-	4-6	9	800	1006.9	+16	SE	3	bc	60	85	7	5	3	-	1	4-6	2500	1	*	cm.	cm.	cm.	cm.	cm.	
10	Spurn Head	1008.5	+8	SW	5	C	57	85	6	5	2	-	7-8	10	1500	1009.3	+6	SW	5	C	57	92	7	5	-	-	7-8	7-8	1500	1	3	irr	irr	irr	irr	irr	
	Catterick	1004.3	+4	SW	3	ir	57	92	6	6	-	-	10	10	800	1004.9	+2	SSW	4	b	58	85	8	4	-	-	1	1	1500	1	*	cir.	cir.	cir.	cir.	cir.	
	Tynemouth	1002.2	+10	S	5	C	60	85	6	8	-	-	9	9	1500	1003.8	+4	S	3	bc	57	85	6	2	-	-	4-6	4-6	1500	1	2	orr	orr	orr	orr	orr	
11	St. Abbs Head	1000.6	+28	SW	6	C	57	75	7	8	2	-	7-8	9	1500	1001.9	0	S	2	bc	55	85	8	4	6	-	4-6	4-6	2500	0	2	cq.	cq.	cq.	cq.	cq.	
	Leuchars	999.7	+22	SW	2	bc	53	85	8	6	3	-	2-3	4-6	1500	1000.3	0	-	0	b	51	92	8	8	-	3	1	1	2500	1	*	RRrr	RRrr	RRrr	RRrr	RRrr	
	Renfrew (Abbots I.)	1000.0	+18	SSW	3	C	56	92	7	6	2	-	7-8	10	1500	999.6	-6	ESE	1	ir	54	92	6	5	7	-	4-6	10	1500	1	*	cir.	cir.	cir.	cir.	cir.	
	Edinburgh	1001.9	+20	SSW	5	C	54	92	7	5	-	-	10	10	800	1001.1	-8	SW	7	RR	54	97	6	6	-	-	10	10	450	2	*	cir.	cir.	cir.	cir.	cir.	
	Point of Ayre	1001.6	+20	SW	5	bc	61	85	8	8	-	-	9	2-3	2-3	800	1000.3	-10	SW	6	bc	57	92	8	8	7	-	2-3	4-6	800	1	3	cir.	cir.	cir.	cir.	cir.
13a	Tiree	996.5	+24	SW	4	bc	54	85	8	8	7																										

REPORTS from HEALTH RESORTS for 13th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	
				9h. 12th to 9h. 13th.	9h. 17h. 13th.	17h. 12th to 9h. 13th.	9h. 17h. 13th.	
1	Tunbridge W.	co	oap	54	60	-	Trace	0.2
	Bournemouth	orr	r	57	59	-	3	0.0
	Ventnor	ou	orm	56	59	-	1	0.0
	Southsea	c	coir	57	61	-	1	0.0
	Bognor Regis	o	oir	57	59	-	2	0.0
	Littlehampton	c	cor	56	60	-	1	0.0
	Worthing	c	oir	57	59	-	0.5	0.0
	Brighton	c	co	57	60	-	Trace	0.0
	Eastbourne	co	o	57	60	-	-	0.0
	Hastings	co	co	56	60	Trace	-	0.5
	Folkestone	bcco	o	56	60	Trace	-	0.7
	Dover	bcc	coc	55	61	-	-	0.9
2	Deal	cbcc	o	55	61	-	-	1.5
	Ramsgate	bc	co	55	61	-	-	1.1
	Margate	bcc	c	55	62	-	-	1.0
	Southend	c	co	54	60	Trace	-	0.1
	Clacton-on-Sea	c	coc	53	57	-	-	0.0
	Dovercourt	bcc	bcp	54	59	-	Trace	0.2
	Lowestoft	c	c	54	59	-	-	0.0
	Skegness	orgro	orgoc	52	59	Trace	Trace	0.0
	Mablethorpe	oro	oro	53	60	0.3	1	0.0
	Cleethorpe	cr	cr	53	60	Trace	2	0.0
	Leamington S.	or	oc	57	62	3	2	0.0
	Cheltenham	orr	c	58	61	2	6	0.0
3	Bath	qrnc	qrnc	58	61	2	6	0.0
	Weymouth	crir	c	58	60	-	3	0.0
	Jersey	co	crr	57	62	-	3	0.0
	Torquay	orpg	opg	58	60	11	9	0.0
	Falmouth	qrnc	c	57	60	9	1	0.0
	Penzance	qrc	qc	57	60	11	-	0.0
	St. Ives	-	-	-	-	-	-	-
	Bude	orcp	cbcc	59	63	11	0.5	1.9
	Ilfracombe	orr	roc	55	62	12	2	0.2
	Aberystwyth	PRc	bcp	56	61	12	4	0.6
	Llandudno	cr	cbcc	57	64	14	1	1.5
	Colwyn Bay	opo	pcbc	55	63	17	1	0.2
4	Rhyl	crr	rcbc	57	62	10	1	1.3
	Wallasey	crr	rcbc	56	61	7	2	0.1
	Southport	oro	ororc	56	59	13	7	0.0
	Blackpool	opo	orpc	55	59	17	8	0.0
	Morecambe	-	-	-	-	-	-	-
	Ilkley	oro	coro	56	60	3	3	0.0
	Harrogate	cir	cirb	54	59	1	1	0.0
	Berwick-on-T.	c	cbob	53	59	14	-	1.3
	Dunbar	cr	bc	51	60	9	Trace	1.6
	Troon	oco	coco	52	58	5	-	0.2
	Douglas	cRm	bccrm	55	58	20	Trace	1.6
	-	-	-	-	-	-	-	-

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

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 complex area of low pressure lies to the west and north of the British Isles while an extensive anticyclone covers most of Europe. Weather will continue mild and unsettled with further rain or drizzle at times in most areas. In the South and Southeast there will be some bright periods.

FURTHER OUTLOOK.

Continuing mild and unsettled.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th November, 1938.
1 S.E. England	Moderate westerly winds, backing and freshening; bright and cloudy periods; occasional slight rain or drizzle locally; very mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Moderate westerly winds, backing and freshening; mainly cloudy; occasional rain or drizzle; mild.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Moderate to fresh westerly winds backing and freshening temporarily; occasional rain; rather mild.
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	Light to moderate westerly winds, backing and freshening, probably reaching gale in west at times; occasional rain; mild.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2. C.134/3578 W. 2085 03785 G. 948 33500. 11/38

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Forecasts issued at 1000 G.M.T.

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

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 14th November, 1938.
No. 28116.

OBSERVATIONS at 1 hr. G.M.T. 14th November.....														OBSERVATIONS at 7 hr. G.M.T. 14th November.....														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	°C. (7)	Humid. % (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	°C. (21)	Humid. % (22)	Cloud.			Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.			RAINFALL.		Sea.	Sun.	Disturb.				
					Dir.	Force.					Form.	Amount.	Height of Base. (feet) (14)			Dir.	Force.					Form.	Amount.	Height of Base. (feet) (28)			Max. Day 7h-13h °F. (31)	Min. Night 13h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-13h mm. (34)	Night 13h-7h mm. (35)							
																																			(3)	(4)	(5)	(9)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1021.4	+20	Sw	2	C	56	85	7	5	1	-	4-6	10	1500	1	*	61	55	51	0.3	1	0.0	0.0			
	Croydon	217	1016.8	+10	Sw	5	bc	50	85	8	5	-	4-6	1500	1020.8	+24	Sw	3	C	57	85	8	5	7	7	2-3	10	4000	1	*	62	57	53	1	5	0.0		
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	1021.0	+22	Sw	3	C	55	85	7	6	7	-	2-3	9	800	1	*	60	54	51	1	4	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1021.5	+24	Sw	3	C	54	92	7	5	7	-	4-6	9	1500	1	*	59	52	47	7	1	0.0				
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	1021.1	+20	Sw	3	Zo	57	97	6	5	7	8	7-8	9+	800	1	2	61	56	54	4	5	1.3				
	Lympe	346	1019.5	+10	Sw	5	c/r	54	97	7	6	2	-	9	10	800	1022.0	+16	Sw	4	c/r	56	97	5	5	-	9+	9+	150	1	3	59	55	55	-	1	1.1	
	Manston	154	1019.1	+14	Sw	5	c/r	58	92	7	5	-	-	10	10	800	1021.8	+16	Sw	3	C	57	92	6	5	2	-	9	10	1500	1	*	62	57	54	-	-	0.2
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1020.9	+20	Sw	2	C	57	92	6	-	7	-	0	10	-	1	*	60	57	51	Tr	0.3	0.2				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1020.2	+22	Sw	4	C	57	92	7	5	1	-	2-3	7-8	1500	1	3	58	55	52	Tr	0.5	0.0				
	Gorleston	5	1015.8	+12	Sw	4	o	58	92	6	6	-	-	10	10	2500	1018.7	+20	Sw	3	C	58	85	6	8	-	7-8	2500	1	2	60	56	53	0.3	1	0.0		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	1019.4	+28	Sw	4	bc	55	92	7	-	-	-	6	0	4-6	-	1	*	62	55	49	0.3	1	0.0			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	1016.6	+20	Sw	4	b	53	85	7	-	4	-	0	Tr	-	1	*	60	52	44	1	-	0.0				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1018.2	+26	Sw	3	C	52	92	6	5	-	-	9	9	1500	1	*	60	52	48	9	0.5	0.0				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	1019.3	+24	Sw	3	bc	53	92	8	5	-	1	Tr	2-3	2500	1	*	60	52	45	1	-	0.0				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1019.0	+20	Sw	3	C	55	85	7	5	-	-	7-8	7-8	2500	1	*	61	55	51	8	0.4	0.0				
5	Hartland Point	299	1013.8	+28	W	6	C	56	97	8	5	-	-	7-8	7-8	1500	1018.6	+24	W	5	C	56	97	8	5	-	9	9	1500	1	4	60	55	54	3	2	0.0	
	Bristol	209	1016.3	+12	Sw	6	rr	59	92	7	5	-	-	10	10	1500	1020.0	+34	Sw	3	C	55	85	7	5	-	7-8	7-8	1500	1	*	61	53	46	17	Tr	0.0	
	Portland Bill	32	1016.3	+12	Sw	6	rr	59	92	7	5	-	-	10	10	1500	1020.0	+34	Sw	4	C	58	92	7	5	2	-	7-8	10	2500	1	4	59	55	46	3	2	0.0
	Plymouth	82	1016.7	+20	Sw	4	bc	55	97	7	8	-	-	4-6	4-6	2500	1020.5	+30	Sw	3	C	56	92	7	5	-	9+	9+	1500	1	3	58	56	53	18	0.5	0.0	
	The Lizard	240	1016.7	+20	Sw	4	bc	55	97	7	8	-	-	4-6	4-6	2500	1020.6	+20	Sw	3	C	55	97	7	5	-	10	10	1500	1	3	58	54	*	5	0.5	1.3	
	Scilly (St. Mary's)	163	1015.7	+20	Sw	4	bc	56	97	7	5	4	-	2-3	4-6	1500	1019.9	+20	Sw	4	bc	55	97	6	5	4	-	4-6	4-6	1500	1	3	59	54	*	1	0.6	0.0
	Guernsey	175	1018.8	+6	Sw	3	o	59	97	6	5	-	-	10	10	1500	1021.8	+16	Sw	1	c/d	58	97	7	8	-	9+	9+	1500	1	3	62	56	56	3	3	0.0	
6	Pembroke	142	1012.3	+22	Sw	5	bcg	56	92	7	5	-	-	4-6	4-6	2500	1018.0	+24	Sw	5	C	56	92	7	8	2	-	7-8	10	1500	1	3	58	54	*	5	-	0.0
7	Holyhead	26	1005.6	+22	Sw	5	C	55	85	8	5	-	-	9+	9+	2500	1016.0	+34	Sw	3	b	52	85	6	1	-	Tr	Tr	4000	1	1	58	52	47	0.5	-	0.0	
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	1016.8	+40	Sw	2	b	54	75	7	5	-	-	1	1	2500	1	*	62	54	45	2	0.1	0.0				
	Manchester	70	*	*	*	*	*	*	*	*	*	*	1016.2	+24	Sw	4	Zo	51	65	6	5	4	-	4-6	4-6	2500	1	*	61	51	43	5	0.3	0.0				
10	Spurn Head	29	1016.8	+6	Sw	5	bc	56	85	7	-	8	-	0	2-3	-	1014.8	+20	Sw	5	bc	53	85	7	-	3	-	0	2-3	-	1	3	58	53	*	1	Tr	0.0
	Catterick	175	1006.1	+16	Sw	4	bc	55	75	7	2	-	-	2-3	2-3	1500	1014.2	+36	-	6	C	54	75	8	6	-	9+	9+	1500	1	1	61	53	49	4	-	0.0	
	Tynemouth	108	1006.1	+16	Sw	4	bc	55	75	7	2	-	-	2-3	2-3	1500	1011.1	+36	Sw	4	C	54	85	7	2	-	7-8	7-8	1500	1	2	61	54	48	4	-	0.0	
11	St. Abbs Head	280	1003.2	+24	Sw	6	bcg	53	85	8	8	-	-	2-3	4-6	2500	1009.4	+40	Sw	5	bcg	51	85	8	4	-	1	1	2500	0	3	59	50	*	1	1	2.2	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1008.5	+42	Sw	3	b	48	97	8	4	-	-	1	1	2500	1	*	58	47	38	2	0.2	1.1			
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	1010.9	+48	W	3	C	52	92	7	5	4	-	4-6	7-8	1500	1	*	60	50	45	2	5	0.0			
	Bokdalair	794	*	*	*	*	*	*	*	*	*	*	*	1012.1	+50	Sw	3	C	49	85	7	5	-	-	9+	9+	1500	2	*	56	49	47	5	4	0.0			
	Point of Ayre	30	1005.6	+26	Sw	6	bc	55	85	7	8	-	-	2-3	2-3	1500	1013.9	+48	W	4	b	51	92	8	4	4	-	Tr	1	2500	1	3	61	50	*	0.4	Tr	2.3
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1011.7	+46	W	4	C	49	85	7	5	-	-	9+	9+	1500	1	3	55	48	47	Tr	2	1.4	1.4		
13B	Stornoway	80	998.1	+20	Sw	2	C	51	92	7	6	7	-	7-8	9+	2500	1008.2	+52	Sw	4	C	47	75	7	5	7	-	4-6	10	2500	1	2	54	46	*	8	0.4	1.1
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	1009.8	+46	Sw	3	bc	45	92	7	4	6	-	2-3	4-6	2500	1	*	52	44	41	8	11	1.7	1.7		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1007.0	+38	Sw	3	bc	51	75	6	5	3	-	2-3	4-6	2500	1	1	58	50	49	2	0.5	0.0			
	Wick	81	997.3	0	Sw	4	C	51	92	8	5	7	-	7-8	10	1500	1005.2	+52	W	4	C/pr	48	92	6	5	7	-	7-8	9+	1500	1	2	56	48	*	Tr	0.2	0.3
16	Lerwick	156	997.3	-4	SE	2	C	50	97	7	5	2	-																									

STATIONS.	OBSERVATIONS at 13h. G.M.T. 14th November														OBSERVATIONS at 18h. G.M.T. 14th November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visibility	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																								
								Form.			Amount.		Height of Base (feet)								Form.			Amount.		Height of Base (feet)								Form.			Amount.		Height of Base (feet)	Form.			Amount.		Height of Base (feet)	Form.			Amount.		Height of Base (feet)																																																																																																																																																																																																																																																																																																																																																																																																																							
								Low	Med.	High	Low	Total									Low	Med.	High	Low	Total									Low	Med.	High	Low	Total		Low	Med.	High	Low	Total		Low	Med.	High	Low	Total		Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med

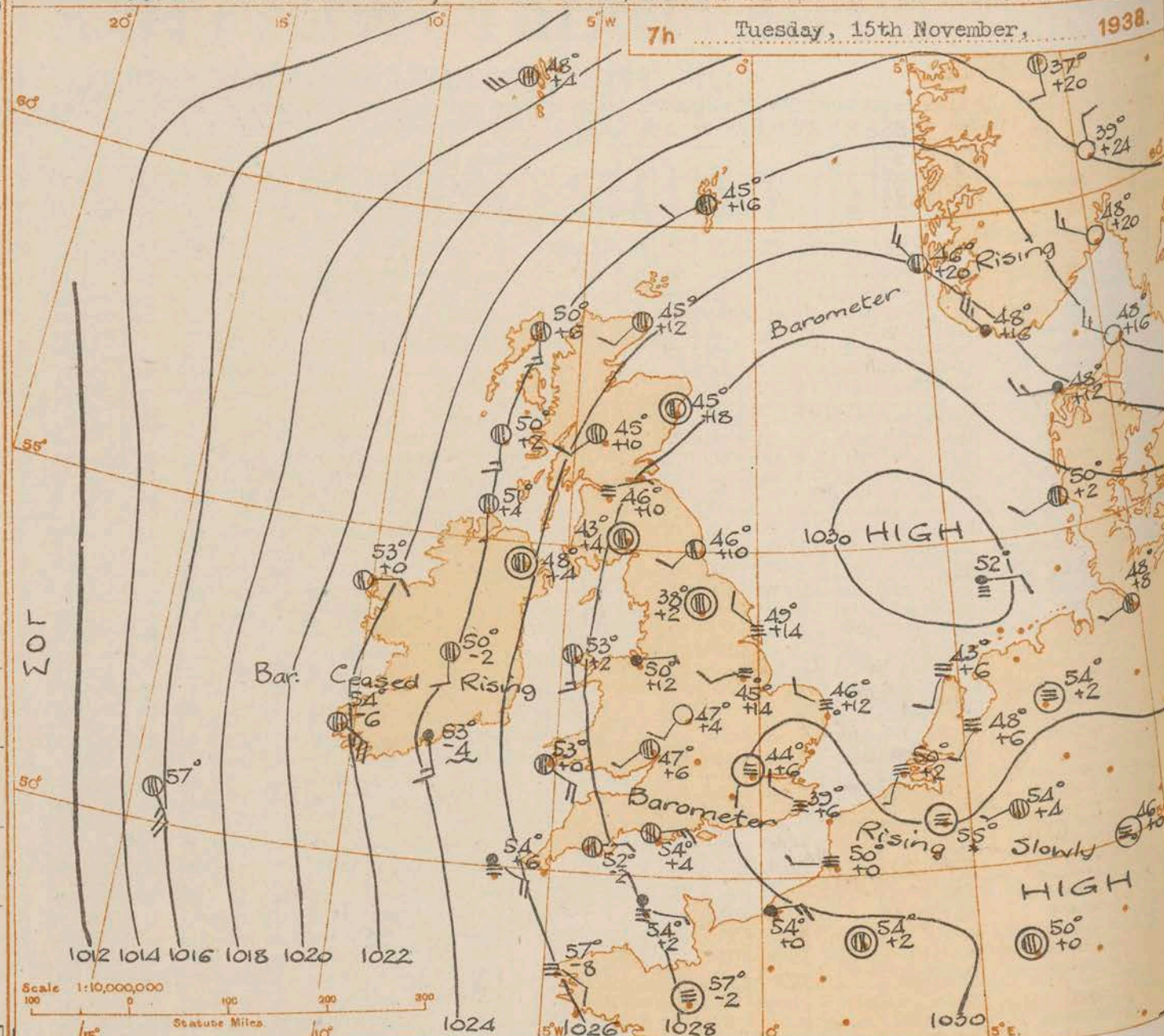
REPORTS from HEALTH RESORTS for 14th November, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min. 9h. to 14h.	Max. 9h. to 14h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	cpc	cbcb	56	60	4	-	2.4
	Bournemouth	cbc	cbcb	55	59	7	-	2.3
	Ventnor ...	roco	ocb	56	58	6	-	0.1
	Southsea ...	c	oc	56	60	7	-	0.8
	Bognor Regis	oc	co	56	59	6	-	1.1
	Littlehampton	cbc	bc	57	60	4	-	1.0
	Worthing ...	c	bc	57	59	4	-	1.1
	Brighton ...	bc	bc	57	59	3	Trace	1.0
	Eastbourne†	ddo	ocbc	58	60	4	0.5	0.0
	Hastings†	dmc	bc	56	59	3	Trace	0.3
	Folkestone ...	o	o	57	58	1	-	0.0
	Dover ...	odoo	orcbe	57	59	0.5	Trace	0.0
2	Deal ...	o	d.o	57	60	0.3	0.3	0.0
	Ramsgate ...	c	dc	58	60	Trace	Trace	0.2
	Margate ...	c	c	58	62	0.3	-	0.2
	Southend ...	cbc	bc	55	61	0.3	-	1.6
	Clacton-on-Sea	cbc	bc	54	58	1	-	0.8
	Dovercourt ...	bcc	bc	55	61	1	-	3.2
	Lowestoft ...	cbbc	bf	55	61	0.5	-	4.7
3	Skegness ...	ocb	bc	52	61	2	-	4.7
	Mablethorpe...	bc	bc	52	60	0.3	-	4.9
	Cleethorpes ...	bcc	bc	53	60	Trace	-	5.4
	Leamington S.	bbc	bc	53	61	-	-	7.0
4	Cheltenham†	cbc	bc	53	60	0.3	-	5.4
	Bath ...	e	cbcb	55	62	2	-	1.6
5	Weymouth ...	c	cb	56	61	2	-	2.9
	Jersey ...	rcdc	cbcc	57	62	6	0.6	0.7
	Torquay ...	cbc	bc	56	61	3	-	3.6
	Falmouth ...	c	c	55	57	-	-	0.1
	Penzance ...	c	com	55	58	-	-	0.2
	St. Ives ...	cp.c	cbco	56	59	0.4	Trace	2.5
	Bude... ..	rc	cbcc	56	58	2	-	1.9
	Ilfracombe ...	rc	cbcc	56	58	2	-	1.9
	Aberystwyth	pre	pre	54	59	10	4	0.0
	Llandudno ...	bcc	bc	53	58	-	Trace	4.6
6	Colwyn Bay...	b	bcc	48	60	-	-	3.8
	Rhyl... ..	b	bccpr	49	58	-	0.2	5.5
8	Wallasey ...	b	bcpr	50	59	Trace	Trace	4.5
	Southport ...	bcc	edoc	52	60	0.4	0.1	4.6
	Blackpool ...	bc	bccm	52	58	0.5	-	3.1
	Morecambe ...	bc	bccm	52	58	0.5	-	3.1
9	Ilkley... ..	ocbc	bcc	49	58	0.2	-	4.9
	Harrogate ...	b	b	52	57	0.2	-	7.0
10	Berwick-on-T.	bccbc	bcc	50	55	2	-	5.2
	Dunbar ...	cmo	cmo	49	59	0.3	-	3.7
12	Troon... ..	ococ	bcbcc	51	53	1	-	1.0
	Douglas ...	bc	bc	49	55	-	-	4.9

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday, 15th November, 1938.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th November, 1938.

1 S.E. England	Light variable to easterly winds, freshening; local fog and drizzle; rather cold in foggy areas, rather mild elsewhere.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light to moderate southeasterly winds, freshening; local drizzle and fog; rather mild.
6 South Wales	
7 North Wales	Light to moderate southerly winds, tending to freshen; cloudy periods, local drizzle; rather mild.
8 N.W. England	
9 N. Midlands	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light to moderate variable to southerly winds; bright and cloudy periods; local drizzle; some fog in early morning; average temperature to rather mild.
13 { A.W. Scotld. B.N.W. Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Light to moderate south to southeast winds, freshening; bright periods; local showers; rather mild.
18 N.E. Ireland	
19 S.E. Ireland	As 5 - 6.
20 S.W. Ireland	

N.W. Scotland: Office Press, Glasgow W.E.2. 11/15/38 11/15/38 11/15/38 11/15/38

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 developing over the North Sea and a disturbance, centred about 600 miles to the west of Ireland, is moving slowly eastwards. Winds will become southerly to southeasterly generally and weather mainly cloudy with local drizzle in the West and North and rather widespread fog, morning and night, in the southeast, east and midland areas.

FURTHER OUTLOOK.

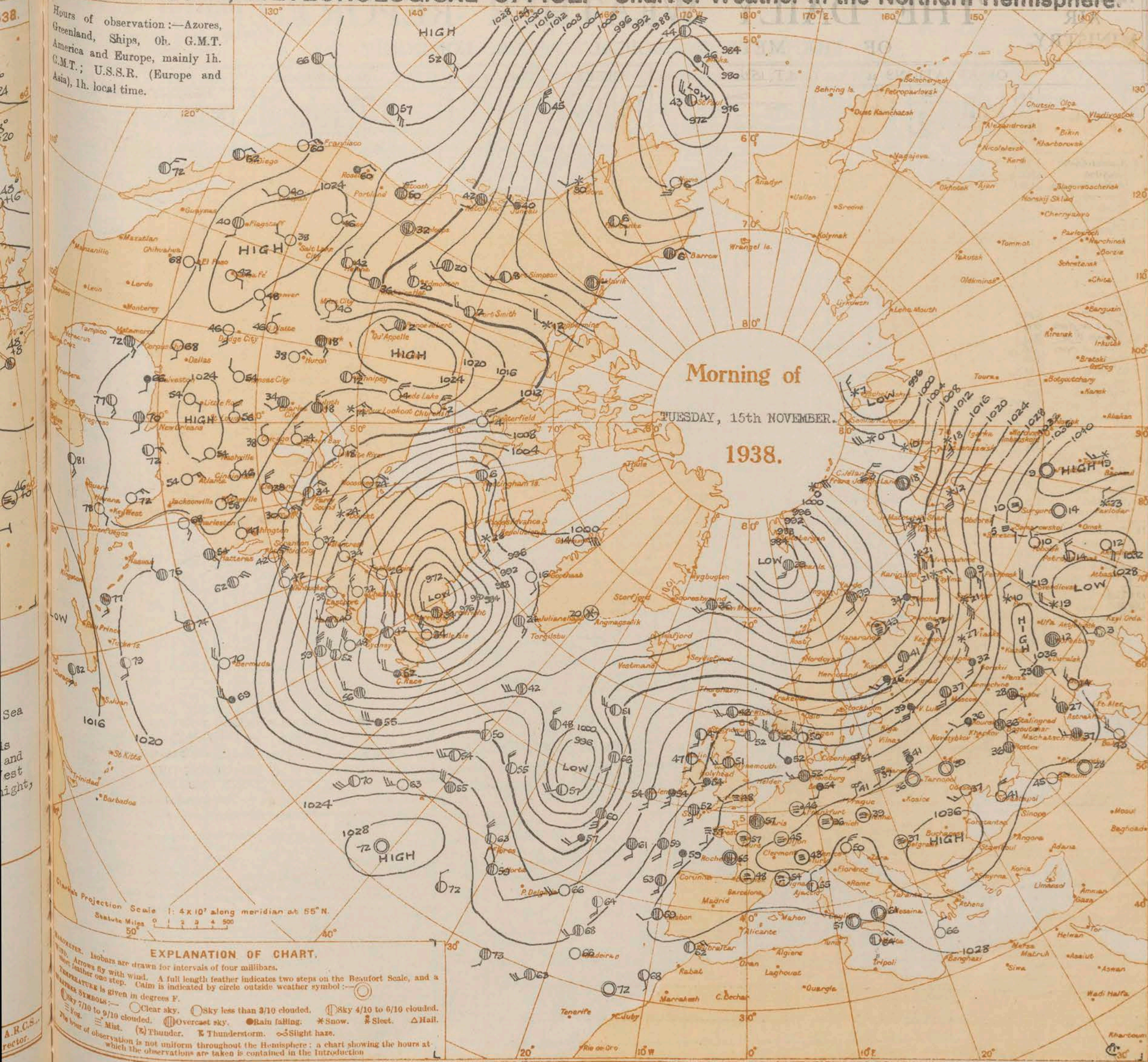
Similar.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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. C.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



PAST 24 HOURS.

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

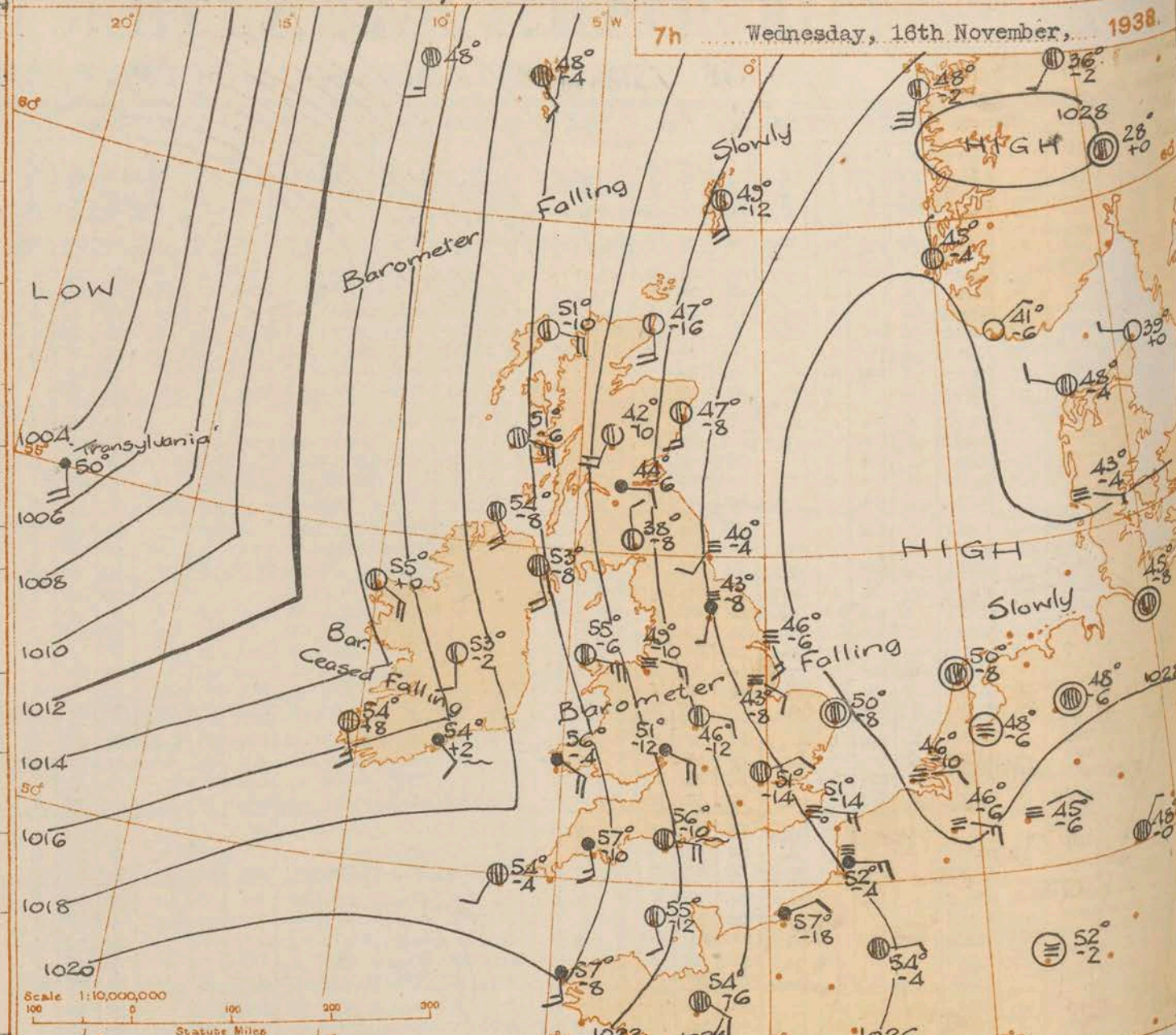
DIRECTION.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 15th November.														OBSERVATIONS at 18h. G.M.T. 15th November.														PAST 24 HOURS.						
		Barom. at m. S.L.	Change in 3 hours.	Wind.		Weather.	°Temp.	%Humid.	Visibility.	Cloud.					Barom. at m. S.L.	Change in 3 hours.	Wind.		Weather.	°Temp.	%Humid.	Visibility.	Cloud.					State of Ground.	Sea.	WEATHER.						
				Direc.	Force.					Form.	Amount.	Height.	Form.	Amount.			Height.	Form.					Amount.	Height.	7h.—13h. 15th.	13h.—18h. 15th.	18h.—15th 16th.			15th—16th.						
mb.		(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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)			
(For heights see p. 4.)																																				
1	London (Kew)	1030.4	-8	SW	1	f	50	37	2	-	-	-	10	10	<150	1029.4	-2	NE	1	f	45	32	3	-	-	-	0	0	-	1	*	offd	off	offd	off	
	Croydon	1030.1	-4	-	0	F	43	37	1	-	-	-	10	10	<150	1029.0	-4	ENE	2	F	47	37	0	-	-	-	10	10	<150	1	*	offe	off	offe	off	
	S. Farnborough	1030.0	-6	E	1	df	45	37	3	5	-	-	10	10	450	1028.8	-6	E	1	m	50	37	4	5	-	-	10	10	1500	1	*	offd	off	offd	off	
	Boscombe Down	1029.5	-10	SE	2	z	52	35	6	5	-	-	10	10	800	1028.3	-4	E	3	z	50	32	6	5	-	-	10	10	450	1	*	offd	off	offd	off	
	Calshot (Stmnt.)	1029.2	-6	NE	2	z	56	35	6	5	3	-	2-3	7-8	1500	1028.0	-2	E	3	z	55	32	6	5	-	-	10	10	1500	1	2	offd	off	offd	off	
	Lymington	1030.4	-2	ESE	2	F	50	37	1	-	-	-	10	10	<150	1029.3	+2	E	2	F	50	37	1	-	-	-	10	10	450	1	0	Fbm	F	Fbm	F	
	Manston	1030.2	-6	-	0	F	48	37	1	-	-	-	10	10	<150	1030.1	+4	SSE	1	F	47	37	1	-	-	-	10	10	<150	1	*	Fefe	F	Fefe	F	
2	Shoeburyness	1030.2	-4	-	0	F	48	37	1	-	-	-	10	10	<150	1029.8	0	SW	1	F	47	37	1	-	-	-	10	10	<150	1	*	Fe	Fe	Fe	Fe	
	Pelissier	1030.1	-6	SSW	1	m	54	35	4	-	-	-	0	0	-	1030.2	+4	SE	1	F	47	37	1	-	-	-	10	10	<150	1	1	bmbife	bmbife	bmbife	bmbife	
	Gorleston	1029.4	-2	-	0	F	47	37	1	-	-	-	10	10	<150	1029.6	+2	-	0	F	47	37	1	-	-	-	10	10	<150	1	1	off	off	off	off	
	Mildenhall	1029.5	-4	-	0	z	57	35	6	-	-	-	0	0	-	1029.5	+2	ENE	2	F	46	37	1	-	-	-	10	10	<150	1	*	bmb	bmb	bmb	bmb	
	Cranwell	1029.8	-6	NNE	1	F	45	37	1	-	-	-	10	10	<150	1029.8	+6	-	0	F	41	37	0	-	-	-	10	10	<150	1	*	bmbife	bmbife	bmbife	bmbife	
3	Birmingham	1029.4	-2	SSE	2	b	55	75	6	1	-	-	1	1	2500	1028.6	-2	SE	2	c	51	85	6	5	-	-	3+	3+	2500	1	*	bm	b,c	bm	b,c	
	Upper Heyford	1029.5	-6	-	0	off	53	32	6	5	-	-	7-8	7-8	2500	1028.8	-2	SE	1	of	47	37	3	5	-	-	10	10	220	1	*	offbm	offbm	offbm	offbm	
	Ross-on-Wye	1028.7	-6	SSE	2	c	52	35	7	5	-	-	10	10	1500	1027.2	-10	SE	3	o	50	85	6	5	-	-	10	10	1500	1	*	cnc	cnc	cnc	cnc	
4	Hartland Point	1029.0	-10	E	3	c	54	37	8	5	-	-	3	3	1500	1027.6	-6	E	4	o	55	65	8	6	2	-	3+	3+	800	1	3	cbcc	cbcc	cbcc	cbcc	
	Bristol	1029.0	-8	E	3	z	52	35	6	5	-	-	10	10	1500	1027.6	-4	ESE	2	z	51	32	6	5	-	-	10	10	1500	1	3	cbcc	cbcc	cbcc	cbcc	
	Portland Bill	1027.4	-12	E	4	o	55	32	7	5	-	-	10	10	1500	1025.6	-10	SE	4	o	57	32	7	5	-	-	10	10	1500	1	4	co	co	co	co	
	Plymouth	1026.5	-10	E	2	id	56	37	6	5	-	-	10	10	450	1024.5	-6	SE	2	id	57	37	5	-	-	2	-	10	10	220	1	1	cidmo	cidmo	cidmo	cidmo
	The Lizard	1024.2	-16	SE	4	rr	55	37	5	5	-	-	10	10	1500	1023.3	0	SE	4	c	55	37	5	-	-	10	10	1500	1	2	idrr	idrr	idrr	idrr		
	Seilly (St. Mary's)	1022.5	-20	SE	4	df	56	37	3	5	-	-	10	10	450	1021.2	-4	SSE	4	dr	55	37	4	5	-	-	10	10	450	1	3	dfnf	dfnf	dfnf	dfnf	
	Guernsey	1027.3	-8	SE	1	o	57	37	6	5	-	-	10	10	450	1025.8	-6	ESE	2	o	57	37	6	5	-	-	10	10	800	1	1	ofdz	ofdz	ofdz	ofdz	
5	Pembroke	1025.5	-6	SE	5	c	54	32	7	5	2	-	4-6	3+	1500	1023.3	-8	ESE	7	o	54	37	5	8	2	-	7-8	10	1500	1	3	c	c	c	c	
	Holyhead	1025.5	-6	SE	3	bc	57	75	3	7	-	-	2-3	2-3	2500	1024.8	-10	E	3	b	51	32	8	5	-	-	7	7	4000	1	0	cbcc	cbcc	cbcc	cbcc	
	Chester (Sealand)	1028.3	-8	ESE	3	z	58	75	6	1	-	-	1	1	2500	1027.5	0	ESE	4	z	50	35	6	5	-	-	2-3	2-3	2500	1	*	cbcc	cbcc	cbcc	cbcc	
	Manchester	1028.7	-8	SE	2	bc	57	75	7	7	-	-	4-6	4-6	4000	1028.1	+8	SE	2	m	51	85	4	5	-	-	4-6	4-6	2500	1	*	cbcc	cbcc	cbcc	cbcc	
10	Spurn Head	1030.1	+4	-	0	bc	53	32	4	-	8	-	0	2-3	-	1029.3	0	E	1	bc	50	37	6	-	8	-	0	2-3	-	1	0	mbe	mbe	mbe	mbe	
	Catterick	1029.4	-6	-	0	z	54	75	6	1	4	-	Tr	1	2500	1029.4	+6	-	0	z	44	32	5	5	-	-	3	3	1500	1	0	wbce	wbce	wbce	wbce	
	Tynemouth	1029.1	-2	SSE	2	bc	52	35	5	5	-	-	2-3	2-3	1500	1029.0	+2	SSE	2	bc	50	32	6	5	-	-	2-3	2-3	1500	1	1	bc	bc	bc	bc	
11	St. Abbs Head	1028.5	0	SW	2	bc	51	75	8	4	3	-	2-3	4-6	2500	1029.1	0	SE	1	b	48	75	8	-	-	-	0	0	-	0	0	bc	bc	bc	bc	
12	Leuchars	1028.4	-2	-	0	z	50	65	6	8	8	-	1	2-3	4000	1028.1	+4	-	0	bc	41	37	3	5	-	-	2-3	2-3	4000	1	*	bc	bc	bc	bc	
	Bentley (Abbots L.)	1027.8	-2	E	1	m	52	35	4	5	3	-	2-3	3	4000	1026.3	-2	E	1	z	51	32	5	5	3	-	4-6	7-8	4000	1	*	bc	bc	bc	bc	
	Bekdalemuir	1026.4	-4	SE	2																															

REPORTS from HEALTH RESORTS for 15th November, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min. 9h. to 9h.15h.	Max. 9h.15h. to 5h.	Night. 17h. to 9h.15h.	Day. 9h.15h. to 5h.	
1	Tunbridge W.	ofc	bcff	39	51	Trace	—	1.1
	Bournemouth	o	o	47	55	—	—	0.0
	Ventnor	o	o	51	56	—	—	0.0
	Southsea	oc	co	49	56	—	—	0.0
	Bognor Regis	o	o	46	55	—	—	0.0
	Littlehampton	oc	c	45	55	—	—	0.1
	Worthing	oc	c	47	55	—	—	0.1
	Brighton	bc	bc	46	56	—	—	1.1
	Eastbourne†	f	fm	45	52	0.1	0.2	0.0
	Hastings†	off	ff	43	52	Trace	—	1.5
	Folkestone	off	off	42	53	Trace	Trace	1.5
	Dover	mbco	off	42	55	—	—	2.3
2	Deal	ffe	fe	41	50	Trace	Trace	0.0
	Raingate	f	f	46	49	—	—	0.0
	Margate	f	f	46	50	Trace	—	0.0
	Southend	ofc	ofc	45	49	Trace	Trace	0.0
	Clacton-on-Sea	bcff	bcff	39	48	Trace	Trace	0.0
	Dovercourt	wbc	bcd.	43	57	Trace	Trace	6.1
	Lowestoft	bff	ff	42	49	—	—	0.0
3	Skegness	ffb	bcb	40	52	—	—	3.3
	Mablethorpe	bmb	bcb	42	55	Trace	—	5.3
	Cleethorpe	cmbe	bcc	46	53	—	—	3.5
	Leamington S.	fbcc	bc	38	47	—	—	3.3
4	Cheltenham†	woc	co	43	53	—	—	0.0
	Bath	c	c	47	54	—	Trace	0.0
	Weymouth	ccdo	c	52	56	Trace	0.1	0.0
	Jersey	pco	do	56	59	Trace	—	0.0
5	Torquay	co	oib	53	57	—	—	0.0
	Falmouth	onfro	ofro	52	56	0.3	5	0.0
	Penzance	dcc	rror	52	57	Trace	7	0.0
	St. Ives	c	c	50	58	—	—	0.0
6	Bude	c	or	50	58	—	—	1.7
	Ilfracombe	bccbc	bcco	49	58	—	—	—
	Aberystwyth	cbe	bcc	50	58	—	—	5.6
	Llandudno	b	b	48	53	—	—	7.4
7	Colwyn Bay	b	b	47	60	Trace	—	7.5
	Rhyl	bcb	b	47	53	0.1	—	7.8
	Wallasey	mc	cbe	50	57	2	—	4.1
8	Southport	bmbz	bcbz	49	53	3	—	3.4
	Blackpool	ofbcm	bm	46	58	2	—	4.0
	Morecambe	—	—	—	—	—	—	—
9	Ilkley	mbc	mbcf	45	58	—	—	0.0
	Harrogate	bcc	cbm	42	52	—	—	4.0
	Berwick-on-T.	bcb	b	41	52	—	—	5.5
10	Dunbar	bc	bc	40	56	—	—	7.0
	Troon	bcbbc	cbcc	46	55	Trace	—	4.7
	Douglas	bcomd	omom	46	53	1	—	0.5

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

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 over the North Sea is decreasing in intensity and a feeble trough of low pressure is moving northwards across the British Isles. Weather will continue rather mild with further rain or drizzle in most areas. Fog will become less widespread in eastern, midland and southeastern districts.

FURTHER OUTLOOK.

Bright intervals.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th November, 1938.

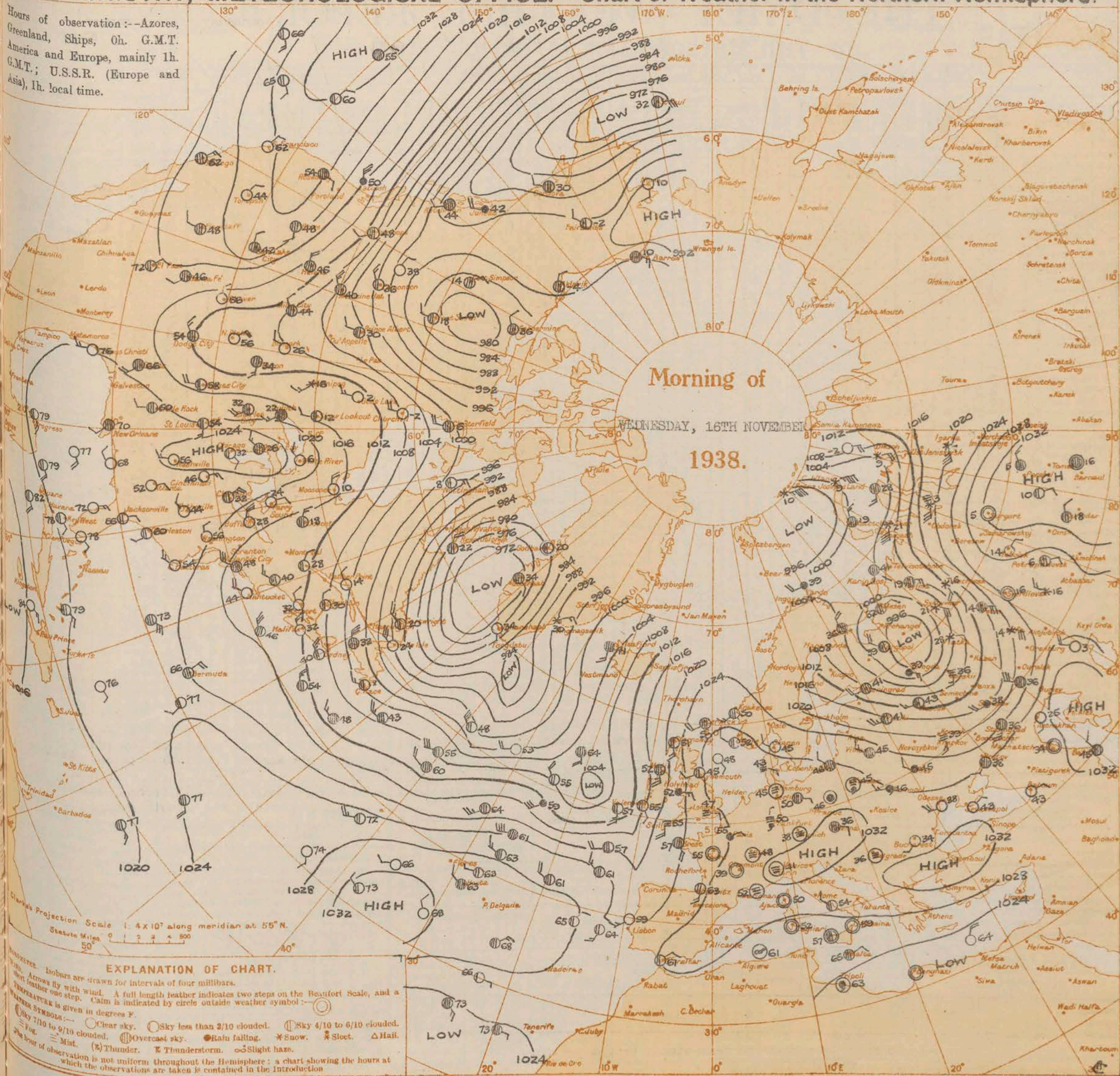
1 S.E. England	Light to moderate southeasterly winds, veering tomorrow; cloudy, local drizzle and fog today, brighter intervals tomorrow; rather cool in foggy areas, average temperature elsewhere.
2 E. England	
3 E. Midlands	
4 W. Midlands	Moderate to fresh southeasterly winds, veering southwest; rain or drizzle at first then showers and bright intervals; rather mild.
5 S.W. England	
6 South Wales	
7 North Wales	Moderate southeast to south winds, veering southwest tomorrow; cloudy with rain or drizzle today; brighter periods and showers tomorrow; rather mild.
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 1 - 3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate to fresh southeasterly winds, veering tomorrow; cloudy; occasional rain or drizzle; rather mild.
13 { A.W.Scotl'd. B.N.W.Scot- land.	Moderate to fresh southeasterly winds, veering and freshening tomorrow; bright periods at first, occasional rain later; rather mild.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	As 4 - 6.
18 N.E. Ireland	
19 S.E. Ireland	Moderate to fresh southwest to west winds; bright periods; occasional showers; rather mild.
20 S.W. Ireland	

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.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.



Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circles outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:-- ☉ Clear sky. ☁ Sky less than 2/10 clouded. ☂ Sky 4/10 to 6/10 clouded. ☄ Sky 7/10 to 9/10 clouded. ☀ Overcast sky. ☔ Rain falling. ❄ Snow. ❄ Sleet. ⚡ Hail.
☁ Mist. ⚡ Thunder. ⚡ Thunderstorm. ☁ Slight haze.
The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 16th November, 1938.

No. 28118.

OBSERVATIONS at 1 hr. G.M.T. 16th November															OBSERVATIONS at 7 hr. G.M.T. 16th November															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.				Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.				Barom. at M.S.L. (29)	Change in 3 hours. (30)	Wind.		Weather. (33)	Temp. °F. (34)	Humid. % (35)	Visib. 0-9 (36)	TEMPERATURE.				RAINFALL.		Sea. 0-9 (38)	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)	24 hr. mm. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					Direc. (3)	Force (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (18)			Force (19)	Form. (23)					Amount. (24)	Height of Base. (feet) (25)	State of Ground. 0-9 (26)	Direc. (31)			Force (32)	Form. (37)					Amount. (38)	Height of Base. (feet) (39)	State of Ground. 0-9 (40)	Max. Day 7h-18h °F. (41)	Min. Night 18h-7h °F. (42)	Min. on Grass °F. (43)								Day 7h-18h mm. (44)	Night 18h-7h mm. (45)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1025.2	-12	E	2	id	51	92	5	5	-	-	10	10	800	1	*	50	47	39	Tr	Tr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

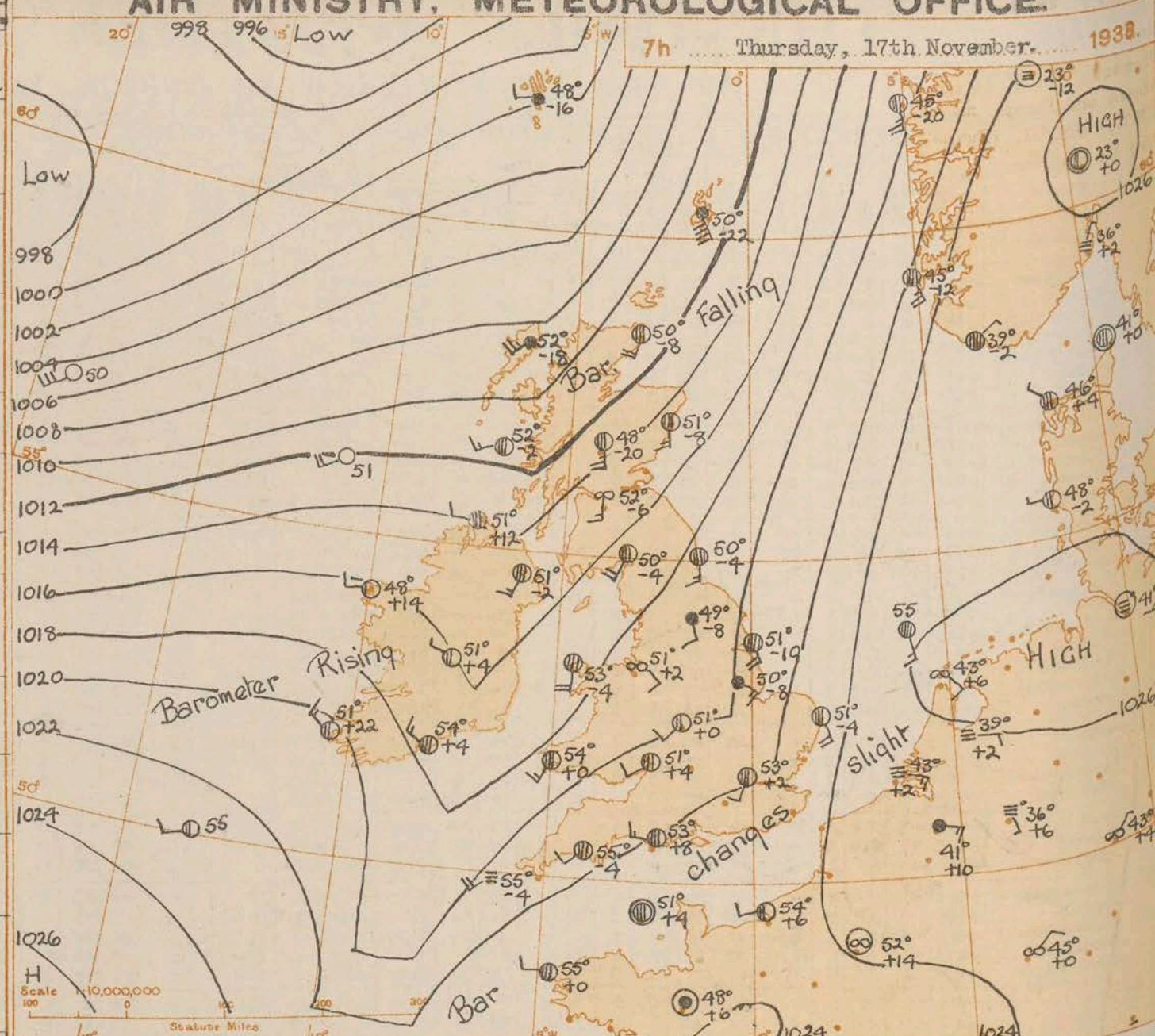
Thursday, 17th November, 1938.
No. 28119.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 16th November														OBSERVATIONS at 18h. G.M.T. 16th November														PAST 24 HOURS.						
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp.	Humid.	Visib.	Cloud.						Temp.	Humid.	Visib.	Cloud.						State of Ground.	Sea.	WEATHER.										
			Dir.	Force				Low	Med.	High	Low	Total	Height of Base (feet)				Low	Med.	High	Low	Total	Height of Base (feet)			7h.—12h. 16th	12h.—18h. 16th	18h.—10h. 17th	10h.—7h. 17th							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)		
(For heights see p. 4.)																																			
1 London (Kew) ...	1022.9	-18	E	2	m	55	92	4	5	-	-	10	10	800	1022.3	+2	E	2	m	55	92	5	5	-	-	10	10	1500	1	*	codmcom	omcom	om	com	
Croydon ...	1022.7	-18	ESE	2	m	55	97	5	5	-	-	10	10	450	1022.3	0	ESE	3	m	54	92	4	5	-	-	10	10	450	1	*	oddidm	omcom	om	com	
S. Farnborough ...	1022.1	-18	E	1	df	54	97	5	5	-	-	10	10	450	1021.8	+4	ESE	2	df	55	92	5	5	-	-	10	10	800	1	*	oicmaf	omcom	om	com	
Boscombe Down ...	1021.0	-18	ESE	4	df	55	97	5	5	-	-	10	10	450	1021.2	+6	ESE	3	df	54	97	5	5	-	-	10	10	450	1	*	oddfem	omcom	om	com	
Calshot (Stmntn.) ...	1021.4	-14	ESE	4	m	56	97	5	5	-	-	10	10	450	1021.3	+2	ESE	3	m	56	97	5	5	-	-	10	10	450	1	3	oddfem	omcom	om	com	
Lympne ...	1024.1	-18	E	3	m	52	97	4	5	-	-	10	10	450	1023.7	+2	E	4	m	52	97	4	5	-	-	10	10	220	1	2	oddfem	omcom	om	com	
Manston ...	1024.3	-18	ESE	3	m	53	92	4	5	-	-	10	10	450	1023.6	0	ESE	3	m	51	97	4	5	-	-	10	10	220	1	2	oddfem	omcom	om	com	
2 Shoeburyness ...	1023.8	-18	ESE	4	o	53	92	4	5	-	-	10	10	220	1023.4	+2	ESE	3	o	53	97	5	5	-	-	10	10	800	1	3	com	om	om	com	
Felixstowe ...	1025.3	-10	ESE	3	o	52	85	5	5	-	-	10	10	1500	1024.8	0	ESE	3	o	50	97	5	5	-	-	10	10	450	1	3	com	om	om	com	
Gorleston ...	1025.2	-12	ESE	4	o	52	85	5	5	-	-	9	9	2500	1024.7	0	ESE	4	o	50	92	5	5	-	-	10	10	2500	1	2	com	om	om	com	
Mildenhall ...	1024.1	-18	ESE	3	o	53	85	5	5	3	-	4	9	4000	1023.7	+2	ESE	4	o	50	97	5	5	-	-	10	10	800	1	3	com	om	om	com	
Cranwell ...	1024.4	-14	ESE	3	id	49	97	5	5	-	-	10	10	800	1023.0	-2	ESE	3	id	49	97	5	5	-	-	10	10	800	1	3	com	om	om	com	
3 Birmingham ...	1022.6	-10	ESE	2	of	49	97	3	5	-	-	10	10	450	1021.8	0	ESE	2	of	51	97	3	5	-	-	10	10	450	1	3	oddfem	omcom	om	com	
Upper Heyford ...	1022.7	-12	E	2	of	52	97	3	5	-	-	10	10	450	1021.9	+2	E	2	of	52	97	2	5	-	-	10	10	450	1	3	oddfem	omcom	om	com	
Ross-on-Wye ...	1020.5	-10	E	3	o	54	92	5	5	-	-	10	10	800	1020.1	0	ESE	3	id	55	97	4	5	-	-	10	10	450	1	3	om	om	om	com	
4 Hartland Point ...	1018.3	-6	WSW	3	o	54	97	8	8	7	-	9	9	1500	1019.5	+8	W	2	o	54	97	8	8	-	-	9	9	1500	1	2	com	om	om	com	
Bristol ...	1020.4	-10	ESE	3	o	56	92	5	5	-	-	10	10	450	1020.4	+6	SSE	2	o	55	92	5	5	-	-	10	10	800	1	3	com	om	om	com	
Portland Bill ...	1020.0	-12	SSE	4	o	56	92	7	5	-	-	10	10	800	1019.6	+8	S	3	o	56	92	5	5	-	-	10	10	800	1	3	com	om	om	com	
Plymouth ...	1019.5	-2	WSW	2	o	56	97	7	5	1	-	3	10	800	1020.0	+8	SW	1	o	54	97	5	5	-	-	9	9	800	1	1	com	om	om	com	
The Lizard ...	1019.7	0	WSW	2	o	55	97	4	5	-	-	10	10	800	1020.0	+8	SW	1	o	53	97	1	5	-	-	10	10	290	1	2	com	om	om	com	
Scilly (St. Mary's) ...	1019.0	-2	WSW	2	o	57	97	5	5	8	-	2	3	400	1019.0	+8	SW	2	o	53	97	2	5	4	-	1	2	3	1500	1	2	com	om	om	com
Guernsey ...	1020.0	-12	ESE	2	o	55	97	5	5	-	-	10	10	800	1020.5	+14	WSW	1	o	54	97	5	5	-	-	10	10	1500	1	1	com	om	om	com	
6 Pembroke ...	1018.5	-2	WSW	3	o	55	97	5	5	-	-	10	10	800	1019.5	+4	WSW	2	o	55	97	7	3	7	9	2	3	7	800	1	2	com	om	om	com
Holyhead ...	1018.9	-10	ESE	2	o	57	85	9	7	2	-	4	10	4000	1018.2	-2	ESE	2	o	55	92	5	5	-	-	10	10	2500	1	3	com	om	om	com	
Chester (Sealand) ...	1022.0	-14	ESE	2	o	59	92	5	5	-	-	10	10	800	1021.0	-4	E	2	o	51	92	4	5	-	-	10	10	450	1	3	com	om	om	com	
Manchester ...	1022.8	-12	E	3	o	49	97	4	2	-	-	10	10	800	1021.6	-2	E	4	o	51	92	5	5	-	-	10	10	1500	1	3	com	om	om	com	
10 Spurn Head ...	1025.2	-12	ESE	3	o	51	97	5	5	-	-	10	10	450	1023.8	-6	ESE	4	o	52	92	7	5	-	-	10	10	2500	1	3	com	om	om	com	
Catterick ...	1024.7	-12	ESE	2	o	46	97	5	5	3	-	10	10	800	1023.2	-2	E	1	o	48	97	5	5	-	-	10	10	800	1	3	com	om	om	com	
Tynemouth ...	1024.3	-14	S	3	o	47	92	4	5	-	-	10	10	1500	1022.5	-8	S	3	o	50	85	5	5	-	-	10	10	800	1	2	com	om	om	com	
11 St. Abbs Head ...	1023.5	0	SSE	4	o	45	92	5	5	-	-	10	10	1500	1021.5	0	S	3	o	44	92	5	5	-	-	10	10	1500	1	3	com	om	om	com	
Leuchars ...	1022.9	-12	E	3	o	46	92	5	5	2	-	9	10	450	1020.7	-8	SSE	1	o	48	92	5	5	-	-	9	9	2500	1	3	com	om	om	com	
Rattray (Abbots I.) ...	1021.2	-12	E	2	o	47	92	4	5	-	-	10	10	1500	1019.8	-8	E	2	o	48	92	4	5	-	-	10	10	2500	1	3	com	om	om	com	
Eskdalemuir ...	1022.3	-8	N	1	o	46	85	7	2	-	-	9	9	1500	1020.7	-10	SW	1	o	47	85	7	5	-	-	10	10	2500	1	3	com	om	om	com	
Point of Ayre ...	1020.2	-8	SSE	5	o	51	97	5	5	2	-	7	8																						

REPORTS from HEALTH RESORTS for 16th November, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. 15th to 9h. 16th.	Max. 9h. 16th to 9h. 17th.	Night. 17h. 16th to 9h. 17th.	Day. 9h. 16th to 9h. 17th.	
1	Tunbridge W.	ofdo	om	42	54	0.5	Trace	0.0
	Bournemouth	o	o	52	57	2	-	0.0
	Ventnor	ofdo	of	53	58	0.5	-	0.0
	Southsea	omof	omod	51	57	Trace	Trace	0.0
	Bognor Regis	o	oid	49	56	Trace	Trace	0.0
	Littlehampton	o	o	44	57	-	-	0.0
	Worthing	of	of	49	56	Trace	0.3	0.0
	Brighton	o	bc	48	57	Trace	Trace	0.0
	Eastbourne	o	o	51	56	0.1	-	0.0
	Hastings	dmoe	o	51	56	3	Trace	0.1
	Folkestone	om	mor	49	54	Trace	Trace	0.0
	Dover	o	o	44	55	-	-	0.0
2	Deal	o	or	43	54	-	Trace	0.0
	Ramsgate	o	o	45	53	-	-	0.0
	Margate	e	e	47	53	Trace	-	0.0
	Southend	o	om	46	53	Trace	-	0.0
	Clacton-on-Sea	co	om	40	53	-	-	0.0
	Dovercourt	ber	oc	43	53	Trace	-	0.0
	Lowestoft	cm	be	43	54	0.2	-	0.5
	Skegness	o	oco	40	52	2	-	0.0
	Mablethorpe	omo	o	41	52	Trace	-	0.0
	Cleethorpe	e	e	41	50	0.3	-	0.0
	Leamington S.	o	com	42	53	0.4	-	0.0
	Cheltenham	omo	om	47	52	Trace	-	0.0
3	Bath	or	de	51	57	0.5	2	0.0
	Weymouth	me	ed	54	58	0.3	1	0.0
	Jersey	peo	ore	55	60	0.2	4	0.0
	Torquay	odirp	orpe	55	58	3	9	0.0
	Falmouth	e	e	55	57	6	-	0.3
	Penzance	re	e	54	57	18	-	0.2
	St. Ives	o	o	51	57	8	4	0.0
	Bude	or	ore	51	57	2	0.5	0.0
	Ilfracombe	ape	op	52	59	2	0.5	0.0
	Aberystwyth	prbec	de	50	58	1	Trace	0.5
	Llandudno	e	cm	48	55	1	-	0.0
	Colwyn Bay	e	e	48	56	2	-	1.0
4	Rhyl	cem	cm	45	53	0.3	-	0.0
	Wallasey	re	ca	48	52	0.3	Trace	0.0
	Southport	odoz	oz	45	51	Trace	Trace	0.0
	Blackpool	oirm	om	45	52	Trace	0.3	0.0
	Morecambe	o	o	45	52	Trace	0.3	0.0
	Ilkley	fd	odf	41	48	Trace	0.3	0.0
	Harrogate	fdm	om	41	47	Trace	Trace	0.0
	Berwick-on-T.	cm	me	41	48	-	-	0.0
	Dunbar	bcm	bcm	41	48	-	-	0.0
	Troon	ocp	ceo	45	55	Trace	Trace	0.0
	Douglas	cirm	em	49	53	11	-	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. 17th November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th November, 1938.
1 S.E. England	
2 E. England	Light to moderate southwest to west or variable winds; bright intervals and showers at first, then cloudy with slight rain or drizzle followed by bright periods; very mild.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Light to moderate variable to westerly winds; cloudy with rain or drizzle at first, showers and bright intervals later; local coast fog; mild.
6 South Wales	
7 North Wales	
8 N.W. England	Moderate to fresh westerly winds; dull with rain or drizzle and hill fog at first, bright intervals and showers later; mild.
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.	Moderate to fresh westerly winds; rainy at first, brighter intervals later; mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Light westerly winds, freshening; bright intervals, showers; mild by day, cool at night.
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 trough of low pressure extending southwards over the Irish Sea will move slowly eastwards. Weather will continue mild generally with further rain or drizzle at times in all areas. There will also be some bright intervals, particularly in the West.

FURTHER OUTLOOK.

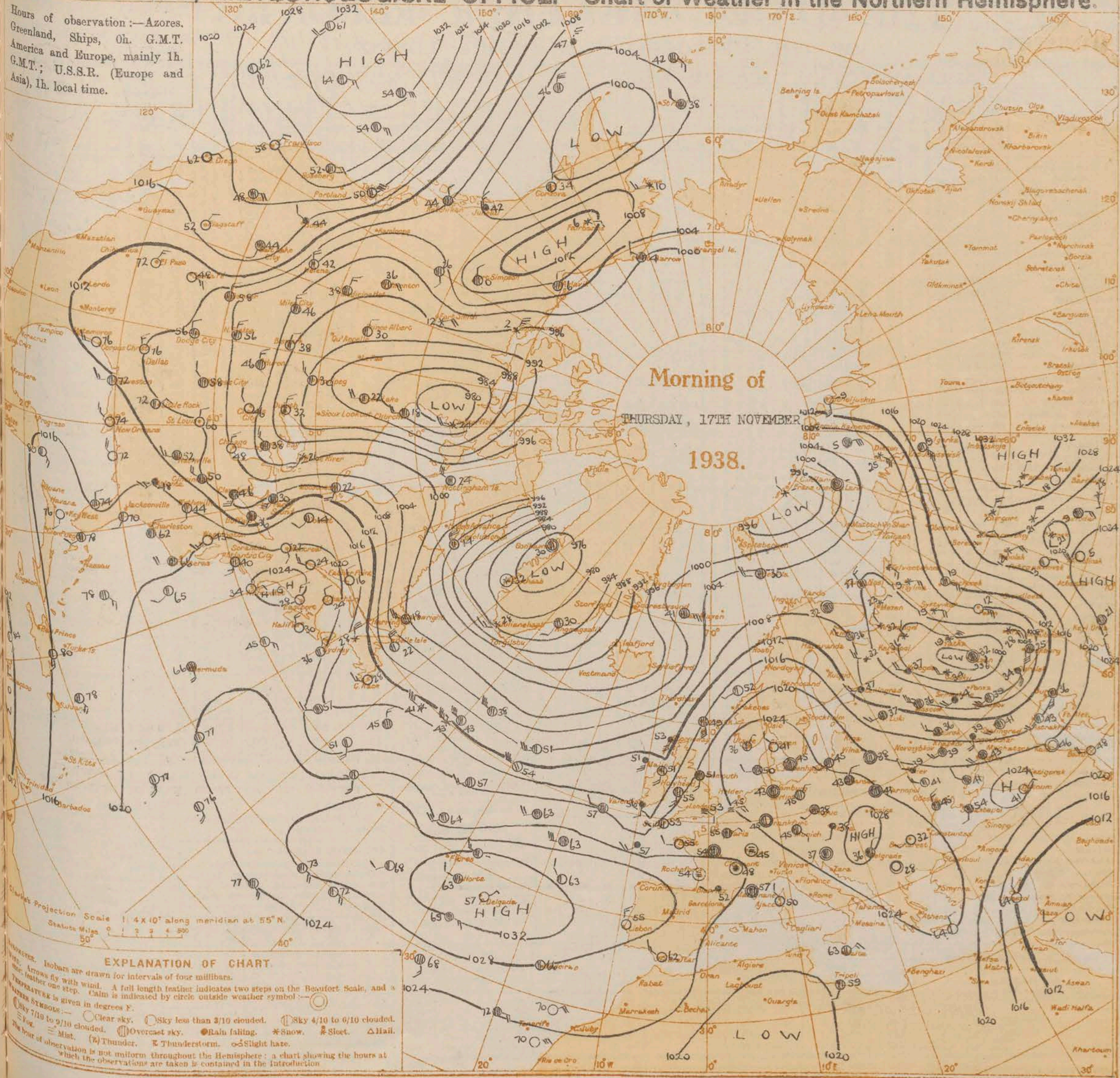
Bright intervals; continuing mild by day, becoming cooler at night.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.



[illegible]

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

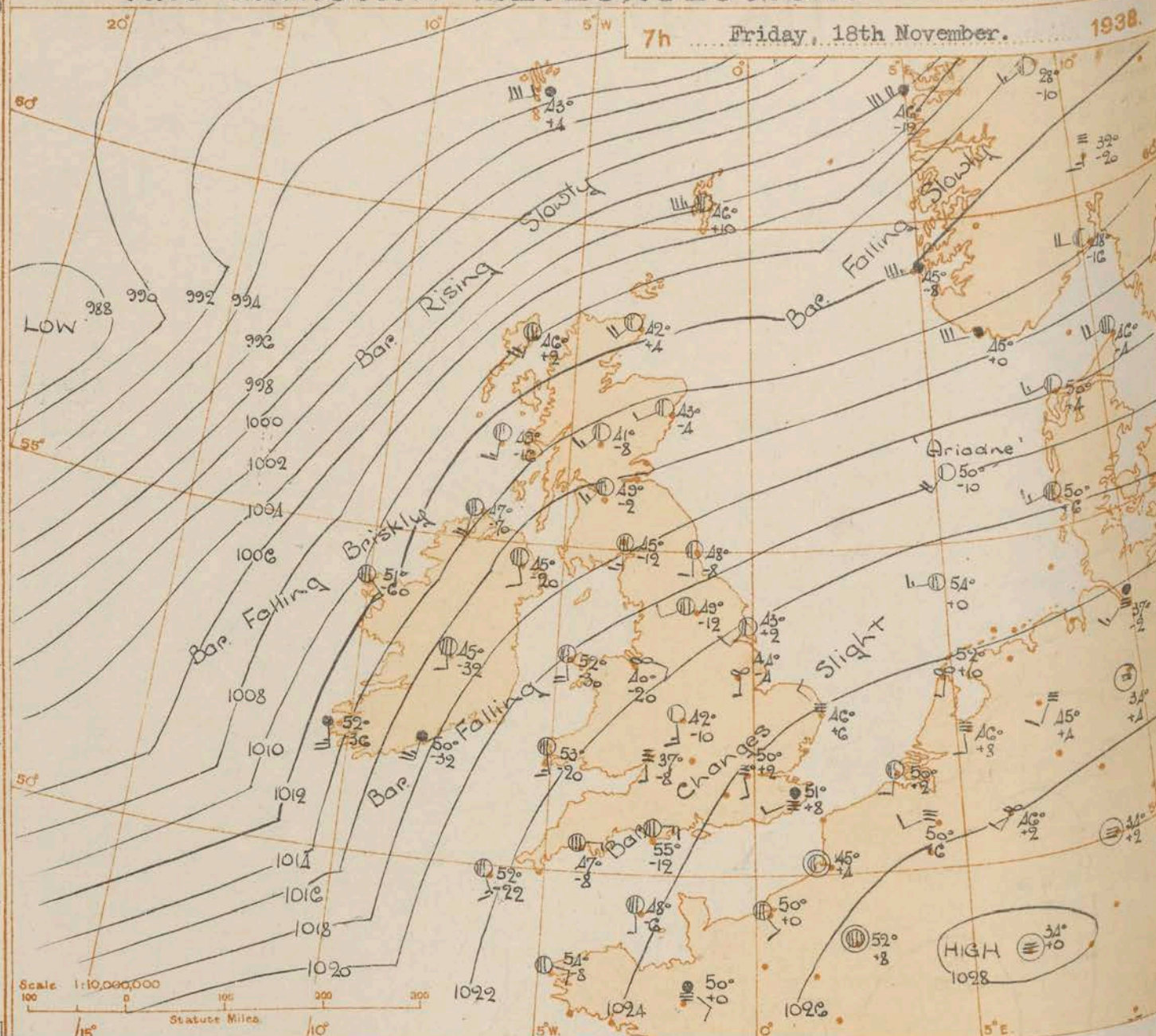
STATIONS.	OBSERVATIONS at 13h. G.M.T. 17th November														OBSERVATIONS at 18h. G.M.T. 17th November														PAST 24 HOURS.						
	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					State of Ground.	Sea.	WEATHER.						
			Dir.	Force					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Low					Med.	High	Low 0-10	Total 0-10	Height of Base (feet)			7h.-13h. 17th.	13h.-18h. 17th.	18h. 17th to 1h. 18th.	1h.-7h. 18th.			
(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)		
(For heights see p. 4.)																																			
1 London (Kew) ...	1023.3	+2	SW	2	z	53	75	6	5	-	-	10	10	1500	1023.4	+6	SSW	2	z	53	85	6	5	-	-	3	3	2500	1	*	cm	cm	cd	cm	cfe
Croydon ...	1023.1	-2	WS	3	z	53	85	6	5	-	-	3+	3+	2500	1023.2	+4	SW	2	z	53	85	6	5	4	-	3	3+	4000	1	*	cm	cm	cd	cm	om
S. Farnborough ...	1023.1	+2	SW	3	c	53	85	7	5	-	-	3+	3+	1500	1023.5	+4	SSW	2	c	49	92	7	-	-	2	2-3	7-8	2500	1	*	cm	bcc	cd	cm	cm
Boscombe Down ...	1022.8	-8	SW	3	c	54	85	8	5	2	-	7-8	10	2500	1023.7	+12	SSW	2	id	52	97	6	5	-	-	10	10	800	1	*	cm	c	cd	cd	cm
Calshot (St. Hmtn.) ...	1023.1	0	SSW	3	bc	57	75	8	5	3	5	2-3	4-6	2500	1023.6	+4	SW	2	c	54	92	8	5	7	-	7-8	10	4000	1	2	cb	cm	cd	cd	cm
Lympe ...	1024.0	+2	SW	3	c	57	85	8	8	-	-	7-8	7-8	1500	1024.6	+8	SW	1	b	49	92	7	5	-	-	1	1	2500	1	\$	Felt	cb	cd	cd	cm
Manston ...	1023.1	-4	WSW	3	c	57	85	7	5	-	-	3+	3+	2500	1023.9	+12	NW	1	b	48	92	6	-	-	-	0	0	-	1	*	om	cd	cd	cd	cm
2 Shoeburyness ...	1022.8	-2	WSW	3	bc	57	75	7	5	-	-	4-6	4-6	1500	1023.5	+8	-	0	b	48	92	6	-	-	-	0	0	-	1	*	om	cd	cd	cd	cm
Felixstowe ...	1022.7	-4	S	3	m	55	32	4	5	3	-	4-6	7-8	450	1023.6	+8	SWW	1	z	50	85	5	-	-	-	0	0	-	0	2	om	cd	cd	cd	cm
Gorleston ...	1022.0	-6	SSW	4	m	52	97	4	6	-	-	10	10	800	1022.3	+6	WSW	2	b	50	85	6	-	-	-	0	0	-	1	2	com	cd	cd	cd	cm
Mildenhall ...	1021.6	-6	SSW	3	z	58	75	6	7	-	1	7-8	9	2500	1022.3	+2	SW	2	c	50	85	6	5	-	2	4-6	7-8	2500	0	*	cm	cd	cd	cd	cm
Cranwell ...	1020.8	-2	SSW	3	z	54	85	6	7	4	-	4-6	7-8	800	1021.3	+10	SW	3	d	51	97	7	5	2	-	4-6	7-8	1500	1	*	of	cd	cd	cd	cm
3 Birmingham ...	1020.8	0	SSW	3	c	53	75	7	7	7	6	2-3	7-8	1500	1022.3	+6	SW	2	o	52	92	6	-	2	-	10	10	2500	1	*	bc	cd	cd	cd	cm
Upper Heyford ...	1022.2	-4	SSW	2	c	53	85	7	5	3	1	7-8	9	1500	1022.9	+6	SSW	1	id	51	97	6	5	-	-	10	10	1500	1	*	cm	cd	cd	cd	cm
Ross-on-Wye ...	1021.0	-6	SW	3	c	54	85	7	8	-	8	4-6	3+	2500	1021.9	+8	SW	3	z	53	97	6	5	-	8	4-6	3+	1500	1	*	cd	cd	cd	cd	cm
4 Hartland Point ...	1020.4	-2	SW	4	ir	54	97	6	5	2	-	3+	10	800	1023.1	+20	WNW	3	c	53	97	8	2	2	-	7-8	1500	1	2	cd	cd	cd	cd	cm	
Bristol ...	1021.8	-2	SSW	2	c	56	85	8	8	7	8	4-6	7-8	1500	1022.7	+4	SSW	2	id	54	92	7	6	2	-	7-8	10	1500	1	*	cd	cd	cd	cd	cm
Portland Bill ...	1023.4	+4	SW	3	c	56	92	8	4	4	-	7-8	9	2500	1023.0	+4	SW	3	o	54	92	7	5	-	-	10	10	1500	1	3	c	cd	cd	cd	cm
Plymouth ...	1021.6	-2	S	2	ro	54	97	4	-	2	-	10	10	220	1023.0	+4	NW	2	z	55	92	6	5	7	-	4-6	9+	800	1	1	cd	cd	cd	cd	cm
The Lizard ...	1021.3	0	WNW	4	c	55	97	7	8	-	-	3+	3+	2500	1024.1	+10	NW	2	c	51	97	7	8	6	-	7-8	9+	2500	1	2	cd	cd	cd	cd	cm
Scilly (St. Mary's) ...	1022.7	+8	NW	4	c	55	92	7	5	-	-	3+	3+	1500	1024.6	+12	NW	2	c	52	97	7	5	4	3	4-6	9	2500	1	2	cd	cd	cd	cd	cm
Guernsey ...	1023.0	-6	SW	1	c	55	85	7	8	-	-	3+	3+	1500	1023.4	+4	SSE	1	ro	54	97	4	8	-	-	10	10	1500	1	1	cd	cd	cd	cd	cm
5 Pembroke ...	1020.4	0	WNW	2	c	55	97	7	8	-	-	3	3	1500	1023.3	+24	WNW	2	c	53	85	7	5	2	-	7-8	9+	1500	1	2	cd	cd	cd	cd	cm
Holyhead ...	1018.8	+6	W	3	cd	55	32	7	8	8	1	7-8	1500	1021.1	+10	SW	2	c	51	85	7	-	1	7	0	9	-	1	1	cd	cd	cd	cd	cm	
Chester (Sealand) ...	1019.6	0	S	2	c	56	75	8	5	-	-	3+	3+	4000	1021.5	+18	WN	2	z	51	92	6	5	-	-	2-3	2-3	4000	1	*	cd	cd	cd	cd	cm
Manchester ...	1019.4	-2	S	3	z	55	75	6	5	7	-	7-8	10	4000	1021.2	+4	WSW	3	z	48	97	6	-	-	-	0	0	-	1	*	cd	cd	cd	cd	cm
6 Spurn Head ...	1020.6	-4	SSW	3	cd	53	92	3	4	-	-	7-8	7-8	2500	1020.6	0	SW	3	c	51	92	7	5	-	-	10	10	2500	0	2	ff	cd	cd	cd	cm
Catterick ...	1017.7	-10	SSW	2	z	54	85	6	5	7	-	7-8	9	1500	1019.3	+18	-	0	bc	49	85	7	5	3	-	1	4-6	1500	1	*	ir	cd	cd	cd	cm
Tynemouth ...	1016.5	-8	S	3	m	54	75	4	2	3	-	4-6	7-8	2500	1017.9	+14	S	3	bc	52	75	6	2	-	-	4-6	4-6	1500	1	1	ir	cd	cd	cd	cm
7 St. Abbs Head ...	1014.3	-10	SW	5	cd	52	85	8	8	6	-	4-6	9	1500	1015.6	+10	W	5	bc	48	75	8	2	4	-	2-3	4-6	2500	0	3	cd	cd	cd	cd	cm
Leuchars ...	1013.3	-10	SW	1	id	53	92	7	6	7	-	7-8	9	800	1014.3	+12	WSW	3	bc	48	85	8	8	7	-	1	2-3	2500	1	*	cd	cd	cd	cd	cm
Renfrew (Abbots L.) ...	1013.9	-2	W	2	bc	55	85	8	2	3	5	2-3	2-3	2500	1015.8	+10	WSW	3	b	46	97	7	2	-	-	1	1	2500	1	*	cd	cd	cd	cd	cm
Eskdalemuir ...	1015.2	-6	WS	4	id	50	97	5	-	2	-	10	10	220	1017.5	+12	SW	3	bc	46	85	7	5	-	-	4-6	4-6	1500	1	*	cd	cd	cd	cd	cm
Point of Ayre ...	1016.9	+2	W	4	bc	56	92	7	2	4	-	1	2-3	2500	1018.9	+8	WS	4	b	49	92	7	-	4	-	0	1	-	1	2	ir	cd	cd	cd	cm
8 Tiree ...	1011.8	-6	SSW	5	o	51	85	7	3	1	-	4-6	3	1500	1012.6	+6	SSW	4	bc	51	85	8	8	3	-	2-3	4-6	2500	0	3	bc	cd	cd	cd	cm
Stormoway ...	1008.3	-16	SSW	6	c	49	75	8	5	7	-	4-6	3	2500	1008.3	0	SSW	5	bc	46	85	8	5	-	-	2-3	2-3	2500	1	3	ro	cd	cd	cd	cm
Dalwhinnie ...	1011.9	-8	SW	4	c	51	85	7	8	6	-	4-6	7-8	2500	1013.5	+10	SW	3	ir	44	75	7	8	6	-	4-6	7-8	2500	1	*	cd	cd	cd	cd	cm
Aberdeen ...	1011.7	-14	SW	2	c	53	85	6	5	7	3	2-3	7-8	1500	1012.4	+10	W	1																	

REPORTS from HEALTH RESORTS for 17th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 17h.	Max. 9h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	oebc	bcco	51	56	0.3	-	2.6
	Bournemouth	cobc	co	49	56	0.5	-	1.4
	Ventnor	cbe	bc	51	58	-	-	3.1
	Southsea	bbe	bcc	49	57	Trace	-	1.5
	Bognor Regis	bc	bc	50	58	-	-	5.3
	Littlehampton	fbc	bc	50	58	-	-	6.3
	Worthing	fbc	bbe	50	58	-	-	3.6
	Brighton	b	bc	53	57	-	-	4.1
	Eastbourne	cbe	bccbc	52	58	Trace	-	4.5
	Hastings	bc	bc	53	61	Trace	-	4.1
	Folkestone	moc	oe	51	61	Trace	-	0.9
	Dover	oebc	bcc	51	59	Trace	-	0.6
2	Deal	oe	bc	51	59	Trace	-	1.5
	Ramsgate	oe	bcc	50	58	-	-	1.2
	Margate	cbe	cbe	50	59	-	-	1.0
	Southend	omb	bccbc	51	59	1	-	2.7
	Clacton-on-Sea	ogcm	cbe	50	57	-	-	1.8
	Dovercourt	oe	bc	49	58	-	-	1.0
	Lowestoft	cim	cim	49	55	-	Trace	0.0
	Skegness	ocb	bcc	40	52	2	-	0.2
	Mablethorpe	omco	bc	49	55	Trace	-	0.7
	Cleethorpe	c	bcc	45	55	-	-	0.6
	Leamington S.	bcc	cod	50	54	0.4	0.2	0.4
	Cheltenham	oco	coppo	50	56	1	Trace	0.4
3	Bath	bcc	cbe	49	58	0.3	Trace	0.9
	Weymouth	c	bcd	52	59	2	0.2	1.4
	Jersey	bc	oc	47	54	0.3	Trace	1.0
	Torquay	bcco	oe	49	57	0.2	-	1.9
	Falmouth	c	c	50	56	0.2	-	0.2
	Penzance	mrrbc	c	52	57	0.3	2	0.8
	St. Ives	bccr	crc	46	57	0.6	0.4	0.6
	Bude	cbxc	cod	50	57	-	0.2	1.3
	Ilfracombe	pre	cir	50	57	1	0.3	0.5
	Aberystwyth	c	cac	50	56	0.2	Trace	1.0
	Llandudno	bcc	cbe	51	57	-	-	0.4
	Colwyn Bay	bcc	edbc	50	56	Trace	Trace	0.6
4	Rhyl	bcc	cbe	48	56	0.5	Trace	2.0
	Wallasey	bcc	cbe	48	56	0.5	Trace	2.0
	Southport	bcc	cbe	49	55	0.4	0.3	1.5
	Blackpool	cpo	debc	47	54	0.5	1	0.2
	Morecambe	foebc	cpo	44	54	1	Trace	0.7
	Ilkley	bcc	cir	43	52	3	Trace	0.5
	Harrogate	bcc	cbe	45	56	0.1	-	2.0
	Berwick-on-T.	bc	cbe	42	56	-	1	1.7
	Dunbar	oraco	bccoc	45	54	3	0.5	1.4
	Troon	cirm	cirm	49	55	5	1	2.5
	Douglas							

† 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. 18th November, 1938.

1 S.E. England	
2 E. England	Light variable winds, freshening from south then veering; bright periods at first, cloudy with rain later; mild.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Moderate to fresh southerly winds, veering and freshening; cloudy periods, occasional rain or drizzle; rather mild to-day, cooler tomorrow.
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	Moderate to strong southerly winds, reaching gale at times, veering; occasional rain; rather mild to-day, cooler tomorrow.
15 N.E. Scotland	
16 Orkney and Shetland	
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 complex low pressure system lies to the west and north of the British Isles. Weather will continue rather mild generally but will become rather stormy in the West and North with southerly to southwesterly winds reaching gale force.

FURTHER OUTLOOK.

Continuing rather mild in the South; cooler in the North.

Times of issue of Gale Warning.

South Cone hoisted at 0810 on 18/11/38.
in districts 12, 13 (A. & B.) 15, 16, 17, 18 & 20.

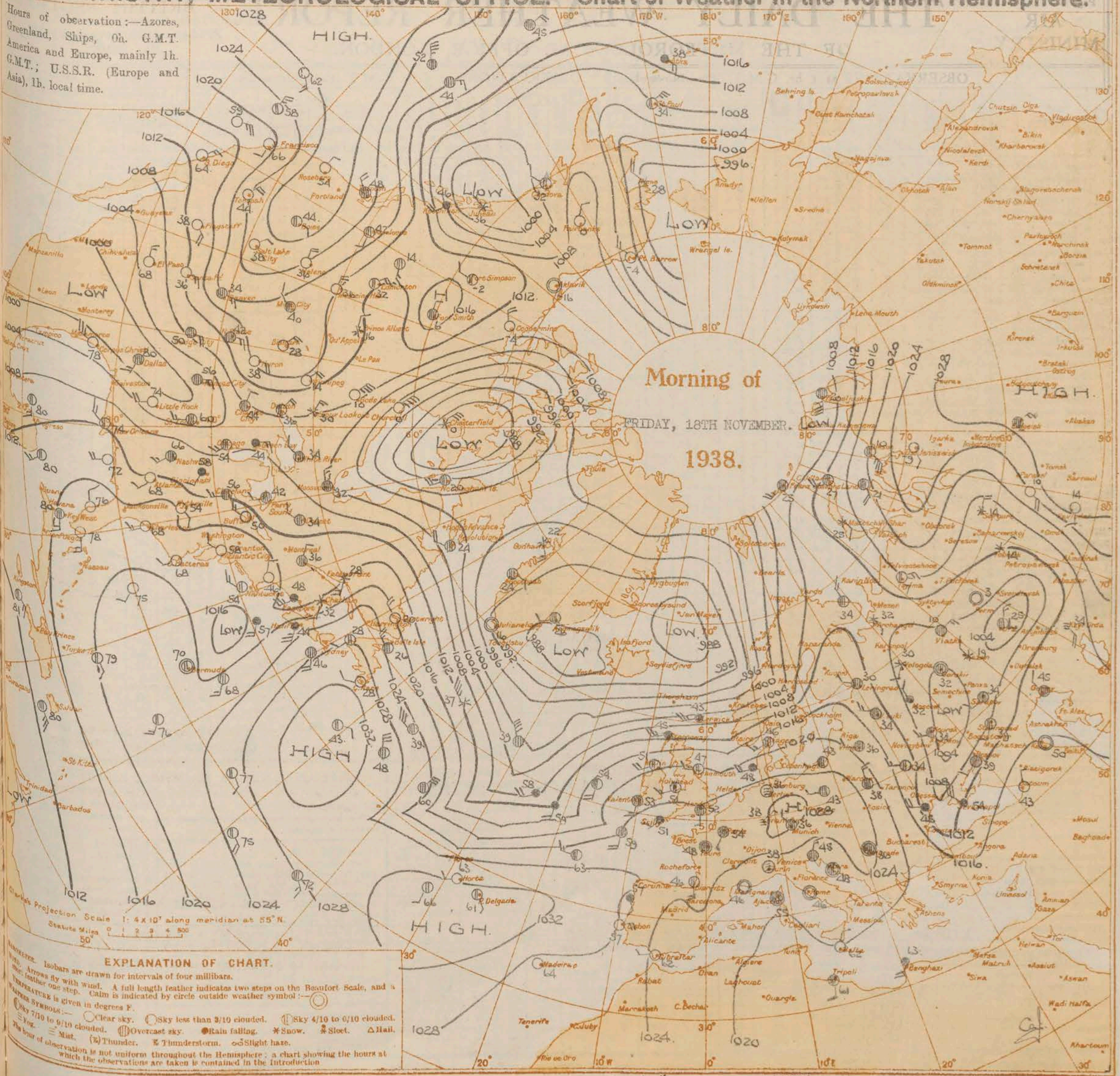
10.30 G.M.T.

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

Forecasts issued at

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

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



Morning of
FRIDAY, 18TH NOVEMBER.
1938.

EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
Arrows with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
Weather symbols:—
☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded.
☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. * Snow. ❄ Sleet. ⚡ Mail.
☩ Thunder. ☩ Thunderstorm. ☂ Slight haze.
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 18th November, 1938.

No. 28120.

OBSERVATIONS at 1 hr. G.M.T. 12th November.															OBSERVATIONS at 7 hr. G.M.T. 12th November.															PAST 24 HOURS.												
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (5)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Height of Base. (feet) (14)	Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			Height of Base. (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SURF. WIND. 17th Nov. (36)								
					Dir.	Force 0-12 (4)					Form.	Amount.	Low 0-10 (9)				Med. (10)	High (11)					Low 0-10 (12)	Total 0-10 (13)	Dir.				Force 0-12 (18)	Form.	Amount.	Low 0-10 (23)	Med. (24)		High (25)	Low 0-10 (26)	Total 0-10 (27)	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)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1023.5	+4	-	0	0	0	51	32	3	5	-	-	3+	3+	2500	1	*	54	50	43	Tr	Tr	0.1						
	Croydon	217	1024.4	+2	S	1	Zo	52	32	6	5	-	10	10	450	1024.4	+2	SSE	1	0	51	37	3	5	-	-	3	3	4000	1	*	55	50	47	Tr	Tr	0.4					
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1023.8	+2	-	0	0	51	37	3	5	-	-	3	3	4000	1	*	54	49	47	-	Tr	0.1							
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1023.7	-6	ESE	1	1	46	37	1	5	-	-	10	10	<150	1	1	56	45	41	Tr	-	1.5							
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1023.7	-2	SE	3	3	54	37	7	5	-	-	3+	3+	1500	1	2	59	53	52	-	Tr	1							
	Lympne	346	1025.5	+6	WSW	2	id.	50	37	7	5	-	10	10	2500	1025.3	+8	WSW	1	1	51	37	2	-	-	-	10	10	<150	1	3	58	47	40	Tr	-	1.0					
	Manston	154	1025.1	+8	SW	2	id.	50	37	4	5	-	10	10	1500	1024.8	+2	-	0	51	37	3	5	-	-	10	10	800	1	*	59	46	35	Tr	-	0.6						
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1024.4	+2	-	0	0	51	37	5	5	-	-	3+	3+	1500	1	*	53	48	38	-	Tr	-	2.3						
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1025.0	+10	-	0	0	50	37	5	5	-	-	10	10	1500	1	2	56	48	41	Tr	Tr	0.0							
	Gorleston	5	1023.5	+8	W	2	0	48	32	5	5	-	10	10	1500	1024.1	+6	NW	2	2	46	32	1	-	-	-	10	10	<150	1	1	54	44	43	0.1	Tr	0.6					
	Mildenhall	19	1023.8	+10	SW	2	Zo	49	37	5	5	-	7.8	7.8	800	1024.3	+2	SE	1	1	43	37	1	-	-	-	10	10	<150	1	*	58	42	38	Tr	0.1	2.5					
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1023.3	-4	S	1	1	44	37	5	-	-	4	8	0	2-3	-	1	*	55	41	37	0.1	-	0.6						
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1022.7	-10	SSW	3	3	42	37	6	-	-	5	0	1	-	1	*	54	42	28	0.1	0.2	3.0							
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1024.0	-6	WN	2	2	48	37	3	-	-	-	-	10	10	<150	1	*	53	45	37	0.1	0.1	0.2						
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1022.8	-8	S	1	1	37	37	2	-	-	-	-	0	0	-	1	*	53	37	35	-	0.2	0.7						
5	Hartland Point	299	1024.3	-4	SW	3	0	51	32	8	5	-	10	10	1500	1021.4	-20	SSW	2	2	43	32	8	5	-	-	7.8	7.8	1500	1	2	56	46	44	1	Tr	2.2					
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1023.1	-18	S	2	2	45	37	2	-	-	-	-	10	10	<150	1	*	57	40	34	Tr	Tr	0.0						
	Portland Bill	32	1024.0	-4	NNW	3	0/r	55	32	8	5	-	10	10	1500	1021.7	-12	E	3	3	55	32	8	5	-	-	10	10	1500	1	3	57	52	*	1	Tr	0.0					
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1022.5	-8	E	1	1	47	35	8	5	-	-	7.8	7.8	2500	1	2	56	47	42	2	2	1.3							
	The Lizard	240	1025.1	+2	NW	1	c	51	37	8	5	-	10	10	2500	1022.1	-20	N	2	2	51	32	8	6	-	4-6	7.8	2500	1	1	55	48	*	1	3	1.0						
	Scilly (St. Mary's)	163	1024.3	-10	SSW	2	2/5	51	32	7	6	-	10	10	1500	1021.1	-22	SE/S	3	3	52	35	8	5	3	4-6	9	2500	1	2	56	43	*	1	1	1.0						
	Guernsey	175	1024.1	0	SW	1	b	53	37	6	-	1	0	1	-	1023.3	-6	SSE	1	1	43	37	8	4	-	-	7.8	7.8	1500	1	2	56	48	41	0.5	-	0.0					
6	Pembroke	142	1024.2	0	-	0	bc	50	32	7	5	-	4-6	4-6	2500	1020.8	-20	SSE	3	3	53	32	7	8	2	-	7.8	3+	1500	1	2	56	46	*	0.5	-	0.6					
7	Holyhead	26	1022.6	+4	SW	3	bc	51	32	7	-	-	1	0	2-3	-	1018.8	-30	SE	4	4	52	32	8	5	4	8	4-6	10	2500	1	1	56	50	44	2	Tr	1.8				
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1021.1	-20	ESE	2	2	40	37	5	-	-	4	0	2-3	-	1	*	57	40	33	Tr	-	0.4							
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1021.6	-20	SE	1	1	33	37	0	-	-	-	0	0	-	1	*	56	33	31	0.2	-	0.8							
10	Spurn Head	29	1022.7	+2	W	2	b	48	32	5	-	-	0	0	-	1023.1	+2	SW/S	2	2	43	37	5	-	-	5	0	4-6	-	1	55	45	*	1	Tr	1.1						
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1019.8	-12	SW	2	2	40	37	8	4	3	6	2-3	7.8	1500	1	1	56	45	39	1	-	0.9							
	Tynemouth	108	1019.7	+4	W	2	bc	47	35	7	5	-	4-6	4-6	1500	1019.3	-8	S	2	2	48	37	6	2	-	4-6	4-6	2500	1	1	55	45	35	0.2	-	0.9						
11	St Abbs Head	280	1016.8	+6	SSW	5	bc	44	32	8	-	3	0	2-3	-	1017.2	0	SSW	4	4	45	35	8	5	6	2	4-6	7.8	2500	0	3	54	42	*	Tr	-	1.0					
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1014.8	-12	WSW	3	3	44	35	8	5	4	-	-	1	2-3	4000	1	*	53	42	39	0.3	-	1.9						
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1016.0	-20	SW	3	3	40	32	7	5	1	-	2-3	3+	1500	1	*	55	46	42	1	2	0.1							
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1017.9	-12	S	3	3	45	32	7	5	-	-	3+	3+	1500	1	*	51	41	37	4	0.1	2.5							
	Point of Ayre	30	1020.5	+2	WN	4	b	50	37	8	-	4	0	1	-	1018.7	-14																									

LONDON OBSERVATIONS.

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except
for rainfall which is 9h—18h.

Height above
M.S.L., in feet.

18
217
149
—
27
168
110
80
450

Weather.

Morning.

Afternoon.

Night.

24 hrs. ended 9h.

cm.
cm.
c
.
.
c
cbc
o

cm.
gem.
c
.
.
.
c
c
o

cdm
bead
cmw
.
.
.
.
.
o

Temperature.

Day Max.

Night Min.

Min. on
Grass
°F.

°F.

54
55
54
55
55
54
55
52

°F.

50
50
48
50
49
49
48
49

°F.

43
47
38
42
44
41
39
39

Rainfall.

Day.

Night.

mm.

mm.

mm.

—
Tr
—
—
—
—
—
—

mm.

Tr
Tr
—
—
—
—
—
—

Sun-
shine
to
Sunset
hrs.

15h.
G.M.T.
%

9h.
G.M.T.
%

Visibility
9h.

Yesterday.

To-day.

0.1
0.4
0.1
0.0

0.0
.
0.0
0.1

.
.
75
.
75
81
.
At 15h.
75
.

.
.
36
.
95
87
32
36
37

6
4
4
.
.
.
.
.
.

Atmospheric Pollution.

Milligrams of Solid Impurity
per cubic metre.

24 hrs. ended 7h. G.M.T. 18h.

SOUTH KENSINGTON.

Kew OBSERVATORY.

Max.

Time.

Min.

Time.

0.3

13-20h
17h

<0.3

3-4h
18h

Max.

Time.

Min.

Time.

0.3

17-21h
17h

<0.1

03-18h
18h

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.
The barometric tendency is expressed in
tenths of a millibar.

COLUMNS 4, 18.
THE BEAUFORT SCALE OF WIND is used
only for surface observations. In the ac-
companying table the speed of the wind
corresponding with the different numbers is
the speed at about 30 feet above the ground.

Beau-
fort
No.

Statute
m/h.

Beau-
fort
No.

Statute
m/h.

Beau-
fort
No.

Statute
m/h.

0
1
2
3

<1
1-3
4-7
8-12

4
5
6
7
8

13-18
19-24
25-31
32-38
39-46

9
10
11
12

47-54
55-63
64-75
> 75

COLUMNS 8, 22 — Code for
surface visibility.

Objects not visible at
55 yards.

0 Dense fog
1 Thick fog
2 Fog
3 Moderate fog
4 Mist or haze
5 Poor visibility
6 Moderate
7 Good
8 Very good
9 Excellent

State of Sea.

5 Very rough
6 High
7 Very high
8 Precipitous
9 Confused

FOREIGN OBSERVATIONS.

18h. G.M.T. 17th November.....

7h. G.M.T. 18th November.....

Past 24 Hours.

STATIONS.

Barom.
mb.

Wind.

Dirac.

Force.

Weather.

Temp.
°F.

Barom.
mb.

Wind.

Dirac.

Force.

Weather.

Temp.
°F.

Max.
Day
°F.

Min.
Night
°F.

Rainfall.

Day
mm.

Night
mm.

PARIS ...

1025.0

—

0

Z

54

1026.3

—

0

o

52

57

52

0.5

Tr

BRUSSELS ...

1024.6

SS E

2

m

46

1015.8

WSW

2

of

50

46

45

0.1

Tr

BREILIN ...

1025.8

N

1

o

46

1025.9

—

0

Z

45

46

43

—

—

ZURICH ...

1026.2

NNW

1

m

46

1027.2

NNW

5

m

41

50

39

—

—

ROME ...

1020.7

NE

2

b

54

*

*

—

—

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

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

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

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

‡ Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 19th November, 1938.
No. 28121.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 18th November														OBSERVATIONS at 18h. G.M.T. 18th November														PAST 24 HOURS.													
	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visib.	Cloud.					State of Ground.	Sea.	Weather.													
			Dir.	Force					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Low					Med.	High	Low 0-10	Total 0-10	Height of Base (feet)			Dir.	Force	Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet)	Dir.	Force	7h.—13h. 18th	13h.—18h. 18th	18h.—19h. 19th	19h.—7h. 19th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)									
For heights see p. 4.)																																										
1 London (Kew)	1019.9	-30	S/E	3	c	56	75	6	8	3	1	4-6	9	2500	1013.9	-34	S/E	4	c	54	92	6	5	-	-	10	10	1500	1	*	cfebcnm	cmo do c	cmo crs	crnb								
Croydon	1020.9	-22	S	4	c	54	75	6	5	-	-	9+	9+	1500	1014.8	-24	S	4	d do	53	92	6	5	-	-	10	10	800	1	*	cmfbcmo	cmo do c	cmo crs	RRrc								
S. Farnborough	1019.7	-34	S/E	4	c	55	85	6	5	-	-	9+	9+	1500	1013.9	-36	S	4	o/d	53	92	5	5	-	-	10	10	1500	1	*	ffadoc	cmo do c	cmo crs	RRrc								
Boscombe Down	1018.6	-40	S	5	ro fo	53	97	6	6	2	-	9	10	220	1012.3	-38	S	6	c	53	92	7	6	2	-	9	10	800	1	*	ofcfo	cmo do c	cmo crs	RRrc								
Calshot (Stmntn.)	1020.4	-26	S/E	4	c	56	92	8	5	-	-	10	10	1500	1015.3	-28	S/E	5	id	56	92	8	5	2	-	4-6	10	1500	1	3	cirfo	cmo do c	cmo crs	RRrc								
Lymne	1022.6	-20	S/W	3	c	51	92	6	5	-	-	9+	9+	1500	1018.3	-26	S	5	c	51	85	8	5	-	-	10	10	1500	1	3	Fd oddm	cmo do c	cmo crs	RRrc								
Manston	1021.6	-26	S/W	4	c/r	55	85	7	5	5	1	7-8	9	800	1017.6	-12	S/W	4	c	52	75	7	5	-	-	10	10	1500	1	*	offmfo	cmo do c	cmo crs	RRrc								
2 Shoeburyness	1021.3	-18	SE	4	c	55	85	8	5	-	-	7-8	7-8	1500	1016.2	-20	SE	4	c	53	85	8	5	-	-	10	10	1500	1	*	cmf	cmo do c	cmo crs	RRrc								
Felixstowe	1021.1	-30	S	3	zo	53	92	6	5	2	-	9+	10	1500	1016.5	-28	S/W	5	o	53	75	8	5	-	-	10	10	1500	1	4	cmfcm	cmo do c	cmo crs	RRrc								
Gorleston	1020.9	-32	SWS	4	o	51	97	5	5	-	-	10	10	1500	1014.7	-36	SSW	6	c	51	85	6	5	-	-	10	10	2500	1	3	offmz	cmo do c	cmo crs	RRrc								
Mildenhall	1019.5	-30	S	4	zo	54	92	6	5	3	1	7-8	7-8	1500	1013.2	-34	S/E	5	c	52	85	7	5	-	-	10	10	1500	1	*	Fabcm	cmo do c	cmo crs	RRrc								
Cranwell	1017.9	-38	S/E	4	zo	52	85	6	5	3	1	2-3	9	800	1009.5	-54	SSS	5	c	52	85	6	5	2	-	7-8	10	2500	1	*	offmcm	cmo do c	cmo crs	RRrc								
3 Birmingham	1016.5	-46	S	3	m	49	97	4	5	-	-	10	10	450	1008.2	-54	S	4	c	53	85	8	6	2	-	7-8	10	800	1	*	bFom	cmo do c	cmo crs	RRrc								
Upper Heyford	1018.4	-44	S	3	o/d	53	92	6	5	-	-	10	10	800	1012.8	-34	S	5	o	53	85	8	5	-	-	10	10	800	1	*	offdcm	cmo do c	cmo crs	RRrc								
Ross-on-Wye	1016.2	-46	SSW	3	c	53	92	7	5	-	-	10	10	1500	1008.7	-44	S/W	4	ir	52	85	7	6	2	-	7-8	10	1500	1	*	bffofmc	cmo do c	cmo crs	RRrc								
4 Hartland Point	1014.8	-46	S/W	4	c	55	85	8	6	9	-	2-3	9+	800	1006.5	-32	S/W	6	c	55	97	7	6	2	-	4-6	10	1500	1	4	cq	cmo do c	cmo crs	RRrc								
Bristol	1017.4	-46	S/E	5	id	54	85	8	5	-	-	10	10	1500	1010.5	-30	S	5	c	54	85	8	5	2	-	7-8	10	1500	1	*	feec d	cmo do c	cmo crs	RRrc								
Portland Bill	1018.6	-30	S	4	c	55	92	7	5	-	-	10	10	1500	1013.0	-38	S/W	4	c	56	92	8	5	-	-	10	10	1500	1	4	c	cmo do c	cmo crs	RRrc								
Plymouth	1017.3	-50	S	3	c	55	92	7	5	7	-	7-8	10	1500	1010.5	-44	SSW	6	ro fo	55	97	6	5	2	-	10	10	220	1	4	c	cmo do c	cmo crs	RRrc								
The Lizard	1016.1	-26	S/W	5	c	55	92	7	4	2	-	7-8	9	1500	1010.3	-16	SWS	5	c	56	97	6	4	2	-	9	10	1500	1	3	c	cmo do c	cmo crs	RRrc								
Scilly (St. Mary's)	1014.3	-44	S/W	5	ey	55	92	6	5	-	-	10	10	1500	1009.4	-20	S/W	5	ro fo	56	97	6	5	-	-	10	10	800	1	3	c	cmo do c	cmo crs	RRrc								
Guernsey	1019.8	-28	SSS	3	c	56	97	7	4	-	-	9+	9+	1500	1015.3	-22	S/W	5	ro fo	56	85	7	5	-	-	10	10	2500	1	3	c	cmo do c	cmo crs	RRrc								
5 Pembroke	1013.5	-32	S/E	7	c	55	85	7	8	2	-	7-8	9+	1500	1003.7	-32	S/W	8	rr	56	97	6	8	-	-	10	10	800	1	4	cq	cmo do c	cmo crs	RRrc								
Holyhead	1009.8	-64	S/E	6	c	53	75	9	5	2	-	4-6	10	4000	999.6	-48	S	6	RR	53	92	6	6	2	-	4-6	10	4000	1	4	ir	cmo do c	cmo crs	RRrc								
Chester (Sealand)	1013.7	-54	ESE	4	zo	50	85	6	5	2	-	7-8	10	4000	1004.0	-50	SE/E	4	ir	53	85	6	6	2	-	9	10	4000	1	*	bucm	cmo do c	cmo crs	RRrc								
Manchester	1014.3	-52	SSS	5	zo	50	85	5	5	7	-	4-6	9+	1600	1003.6	-70	SSS	5	ir	54	75	8	5	-	-	10	10	800	1	*	bffcm	cmo do c	cmo crs	RRrc								
6 Spurn Head	1017.5	-28	S	4	o	50	92	5	5	-	-	10	10	800	1008.6	-64	S	7	o	52	85	6	5	-	-	10	10	1500	1	4	bemo	cmo do c	cmo crs	RRrc								
Catterick	1013.5	-54	SE	2	m	42	97	4	5	-	-	0	4-6	-	1002.9	-64	S	4	zo	53	85	6	5	2	-	7-8	10	800	1	*	cbem	cmo do c	cmo crs	RRrc								
Tynemouth	1012.6	-48	S	5	c	51	75	5	5	-	-	9+	9+	2500	1001.7	-80	S	6	o	50	75	6	5	-	-	10	10	1500	1	2	bem	cmo do c	cmo crs	RRrc								
7 St. Abbs Head	1008.9	-30	S	5	cq	49	75	8	4	7	-	4-6	9	2500	996.6	-40	SSW	8	ir	51	75	6	5	2	-	7-8	10	1500	1	4	cq	cmo do c	cmo crs	RRrc								
Leuchars	1008.5	-50	S	4	c	49	85	7	5	-	-	9+	9+	4000	993.2	-90	S	5	rr	48	97	7	6	-	-	10	10	1500	1	*	bem	cmo do c	cmo crs	RRrc								
Renton (Abbots L.)	1005.9	-64	SSS	4	ro fo	51	85	6	5	2	-	9	10	2500	992.8	-80	S/E	6	RR	51	92	5	-	2	-	10	10	4000	2	*	m.rrr	cmo do c	cmo crs	RRrc								
Eskdalemuir	1009.5	-52	S/E	5	ro fo																																					

DISTRICTS	STATIONS	WEATHER		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (h)
		Fore-noon	After-noon	Min. 9h. to 9h. 18th	Max. 9h. to 17h. 18th	Night 17h. to 9h. 18th	Day 9h. to 17h. 18th	
1	Tunbridge W.	oco	o	48	53	2	-	0.1
	Bournemouth	ocd	ode	47	56	0.5	0.3	0.1
	Ventnor	rmco	o	53	57	1	-	0.3
	Southsea	oc	oc	53	57	1	-	0.4
	Bognor Regis	ocbc	bcoid	52	56	2	Trace	1.3
	Littlehampton	c	co	50	56	2	-	1.0
	Worthing	cbc	bbcc	50	56	1	-	1.5
	Brighton	bc	ocd	63	57	1	Trace	1.3
	Eastbourne	c	co	53	56	0.2	-	0.2
	Hastings	co	o	52	56	0.5	-	0.0
	Folkestone	mco	mco	50	55	0.5	-	0.0
	Dover	ode	c	51	56	0.3	Trace	0.3
	Deal	oc	co	49	56	0.3	-	0.6
	Ramsgate	oc	c	50	56	1	-	0.6
	Margate	c	bcc	50	56	0.3	-	1.0
2	Southend	ofc	co	50	56	Trace	-	0.3
	Clacton-on-Sea	ofec	co	47	54	Trace	-	0.1
	Dovercourt	roc	bc	42	55	Trace	-	0.4
	Lowestoft	FFc	c	41	53	-	-	0.0
	Skegness	f	fbco	39	54	Trace	Trace	0.5
	Mablethorpe	bmo	o	40	53	Trace	-	0.0
	Cleethorpes	bc	bcc	37	53	-	-	1.7
3	Leamington S.	o	co	44	55	0.2	-	0.0
4	Cheltenham	womo	oipco	40	55	-	Trace	0.0
5	Bath	mc	dco	47	56	0.3	Trace	0.0
	Weymouth	c	c	49	56	1	-	0.0
	Jersey	rc	bc	51	58	1	Trace	0.0
	Torquay	cmoc	oorg	45	56	Trace	Trace	0.0
	Falmouth	c	ogrm	47	56	1	-	0.0
	Penzance	c	crr	46	57	-	1	0.0
	St. Ives							
	Bude	bcc	cor	44	56	0.3	0.3	0.2
	Ilfracombe	cbcc	cocom	49	57	-	-	0.9
6	Aberystwyth	c	crr	46	56	-	1	0.1
7	Llandudno	c	co	46	56	-	0.3	0.0
	Colwyn Bay	bcc	ccopp	47	56	-	0.5	0.1
	Rhyl	c	er	43	55	-	0.3	0.0
8	Wallsley	c	c	45	54	-	-	0.0
	Southport	czbcc	coir	42	53	Trace	0.2	0.3
	Blackpool	cm	omor	42	52	0.3	0.3	0.1
	Morecambe							
9	Ilkley	mcbe	c	43	54	-	-	0.5
	Harrogate	cbc	bcc	43	53	-	-	2.3
10	Berwick-on-T.	cbc	co	45	52	-	-	0.4
11	Dunbar	bc	cpr	44	52	-	Trace	0.6
12	Troon	ccopo	orror	48	53	-	4	0.8
	Douglas	bcw	cirR	46	55	-	4	0.1

Scale 1:10,000,000

Statute Miles

HIGH

100 150 200 250 300

10° 15° 20° 25° 30°

5°W.

1018 1020 E.

1016 1018 1020

1014 1016 1018

1012 1014 1016

1010 1012 1014

1008 1010 1012

1006 1008 1010

1004 1006 1008

1002 1004 1006

1000 1002 1004

998 1000 1002

996 998 1000

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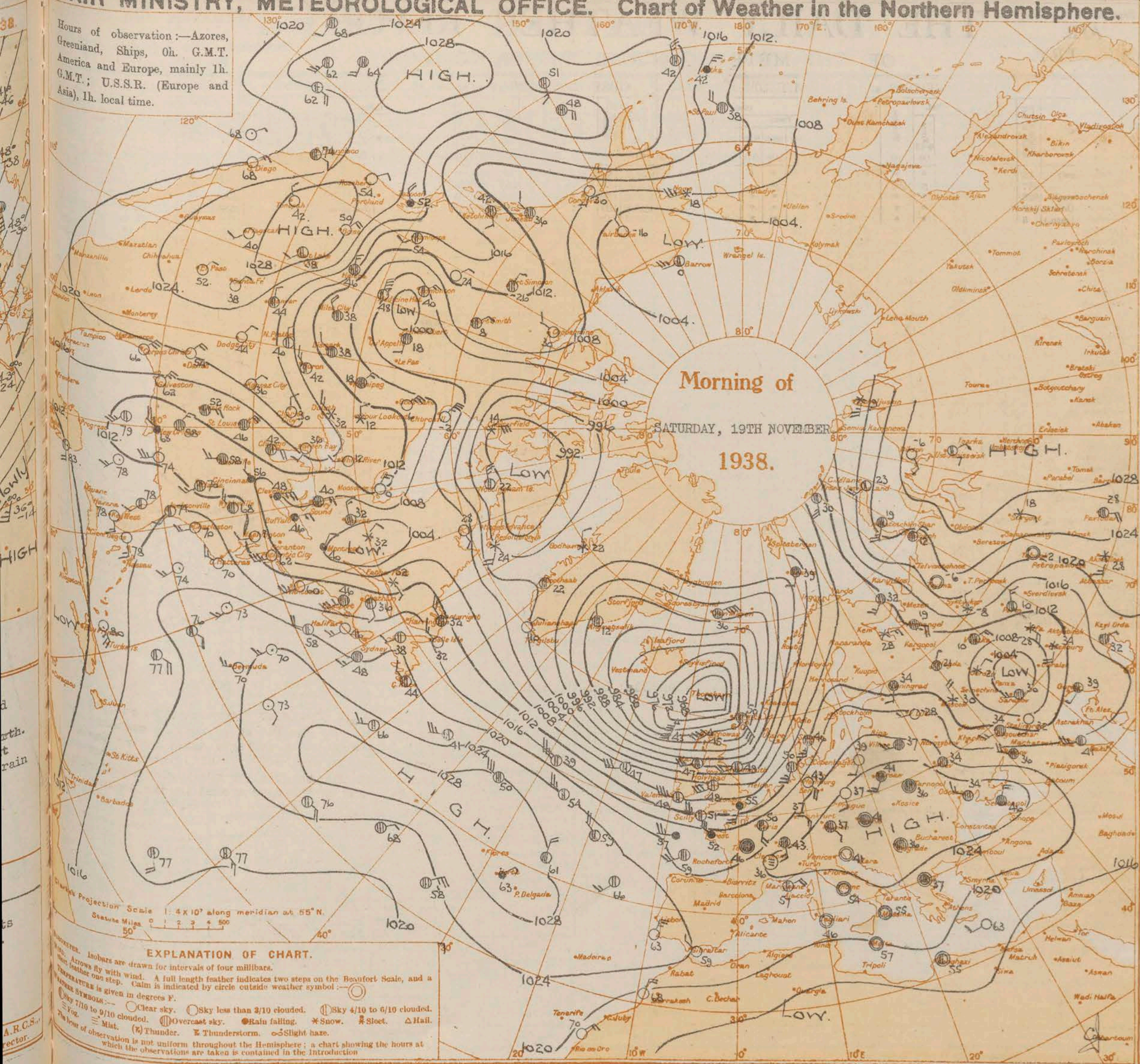
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AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

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, 20th November, 1938.
No. 28122.

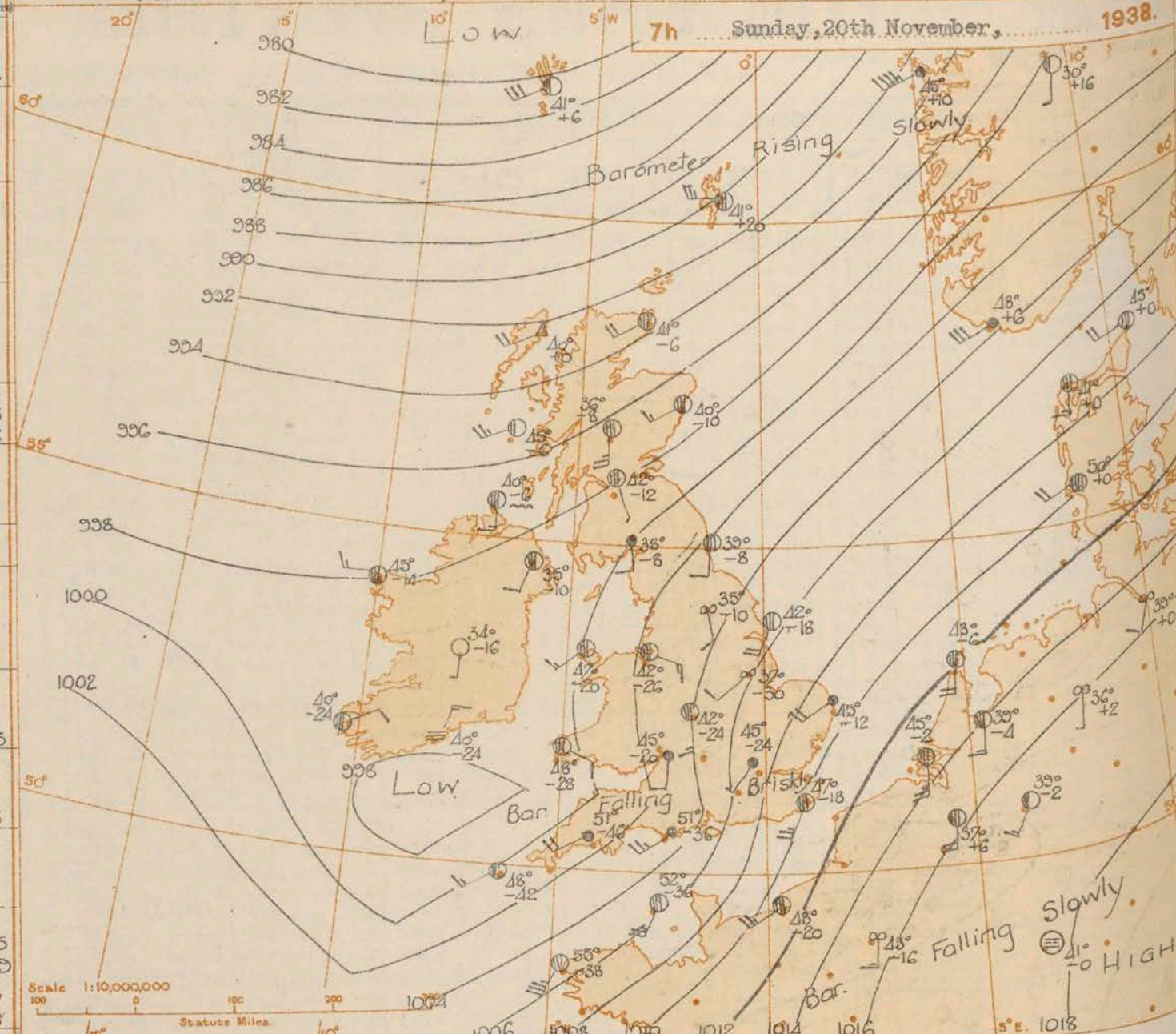
STATIONS.	OBSERVATIONS at 13h. G.M.T. 19th November														OBSERVATIONS at 18h. G.M.T. 19th November														PAST 24 HOURS.										
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility m.	WEATHER.					
								Form.			Amount.		Height of Base (feet)								Form.			Amount.		Height of Base (feet)								State of Ground.	Sea. 0-9	7h-13h. 19th.	13h-18h. 19th.	18h-24h. 19th.	1h-7h. 20th.
								Low	Med.	High	Low	Total									Low	Med.	High	Low	Total														
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
(For heights see p. 4.)																																							
1 London (Kew)	1014.3	+6	SW 3	c	50	65	7	-	-	6	0	7-8	-	1013.6	-6	SW 2	10	47	75	6	5	-	1	7-8	7-8	2500	1	*	bm.bbc	bccr.m	cc.ba	beerr							
Croydon	1014.5	+6	SWW 4	c	50	65	7	-	-	6	0	9	2500	1014.1	-2	S 3	3	46	75	6	-	4	2	0	7-8	-	1	*	bzbcc	cccz	ccg.bw	ccrrr							
S. Farnborough	1014.5	+2	WSW 3	c	49	75	8	-	-	6	0	9+	-	1014.3	+2	SW 3	10	46	75	6	5	-	3	3	4000	1	*	rbcc	ccg.c	cc	ccrrr								
Boscombe Down	1014.4	-2	SWW 3	c	49	75	8	-	-	5	1	7-8	4000	1013.6	-2	SWW 4	10	44	75	6	2	-	3	10	1500	1	*	bcbcc	ccr.c	ccrrr	ccrrr								
Calshot (Stmnt.)	1015.4	+2	SW 4	c	52	65	8	-	-	7	1	10	2500	1014.9	-2	WNW 2	c/pr	47	85	8	8	-	8	46	7-8	2500	1	2	bcc	ccpr	ccrrr	ccrrr							
Lymington	1015.4	+6	SWW 2	c	51	65	8	-	-	6	0	7-8	-	1016.0	+2	SWW 2	bc	43	85	7	-	-	2	0	4-6	-	1	*	bcbcc	ccr.c	ccrrr	ccrrr							
Manston	1014.4	+6	WSW 4	c	51	65	8	-	-	6	0	9	-	1015.0	+4	SSW 2	bc	44	75	7	-	7	-	0	4-6	-	1	*	cbcc	ccr.c	ccrrr	ccrrr							
2 Shoeburyness	1012.0	+4	SW 3	c	52	65	6	1	7	6	Tr	7-8	2500	1014.1	0	SW 3	c	48	75	6	-	7	6	0	9	-	1	*	bm.bcc	bccr.c	cc	rrr							
Peixtows	1013.5	+4	SW 3	bc	52	55	8	-	-	6	0	4-6	-	1013.6	+2	SWW 3	c	48	75	7	-	7	0	9+	-	0	3	0	3	abbey	bccr.c	cc	brrr						
Gorleston	1012.0	+8	W 3	bc	51	65	7	-	-	4	0	2-3	-	1012.4	+2	SWW 3	bc	45	75	6	-	4	-	0	2-3	-	1	2	cbcc	bccr.c	cc	brrr							
Mildenhall	1012.3	+6	SWW 4	b	51	65	7	-	-	4	0	0	-	1011.8	-2	SSW 4	bc	46	85	7	5	3	1	2-3	4-6	4000	0	*	bcb	bccr.c	cc	brrr							
Cranwell	1010.2	-2	SW 5	b	49	65	7	-	-	0	Tr	-	-	1010.0	0	SSW 4	b	43	85	7	-	4	-	0	Tr	-	1	*	bcb	bccr.c	cc	brrr							
3 Birmingham	1011.2	0	SW 3	bc	49	65	8	7	-	1	2-3	2-3	2500	1010.9	-2	SSW 3	bc	43	85	7	-	7	-	0	4-6	-	1	*	b	bccr.c	cc	ccr							
Upper Heyford	1012.1	0	SW 3	bc	49	65	8	1	4	6	Tr	4-6	2500	1012.3	+2	SW 3	c	43	85	7	5	-	2	7-8	3	4000	1	*	bcc	bccr.c	cc	ccr							
Ross-on-Wye	1012.0	-4	WSW 3	bc/pr	49	65	8	8	-	9	2-3	4-6	2500	1011.6	-4	SSW 2	ccr	43	92	6	6	-	-	10	10	1500	1	*	bcb	bccr.c	cc	ccr							
4 Hartland Point	1012.0	-10	W 6	c	48	75	8	3	4	2	4-6	9	1500	1011.0	0	W 5	c/pr	48	85	8	9	8	-	7-8	9	800	1	4	ccpr	ccpr.c	cc	ccr							
Bristol	1013.9	+2	SW 4	c/pr	48	75	8	3	1	8	2-3	9	2500	1012.5	-6	SW 3	bc	44	85	8	-	7	6	0	4-6	-	1	5	bccr	ccpr.c	cc	ccr							
Portland Bill	1014.6	+2	W 4	c	53	92	8	5	-	-	4-6	9	2500	1013.1	-6	W 6	c	52	92	8	5	-	-	7-8	9	2500	1	5	c	ccpr.c	cc	ccr							
Plymouth	1014.7	-10	WSW 4	c	53	65	8	8	-	7	2-3	10	2500	1013.2	-10	WSW 3	pr	50	85	7	8	7	-	9	9+	1500	1	2	bcbcc	ccpr.c	cc	ccr							
The Lizard	1015.3	0	W 5	c/pr	53	75	8	2	-	7-8	7-8	2500	1014.2	-8	W 5	rr	50	85	8	5	-	-	10	10	1500	1	3	bcc	ccr.c	cc	ccr								
Silly (St. Mary's)	1014.8	-6	WSW 5	bc	49	85	8	7	-	4-6	10	1500	1012.3	-2	W 3	pr	47	92	8	8	6	-	4-6	7-8	1500	1	3	bccr	ccpr.c	cc	ccr								
Guernsey	1016.3	+6	WSW 2	c	54	65	8	2	3	8	4-6	10	2500	1015.8	-6	SWW 2	bc	51	75	7	2	3	-	2-3	4-6	2500	1	3	bcc	ccpr.c	cc	ccr							
6 Pembroke	1010.7	0	WSW 5	cq	50	75	7	8	2	-	7-8	9+	800	1009.7	-2	W 6	c/pr	50	75	7	8	-	-	3+	9+	500	1	3	bccr	ccpr.c	cc	ccr							
Holyhead	1007.3	-4	SW 5	bc	50	65	9	2	3	-	2-3	4-6	2500	1006.8	0	SW 4	c	49	75	8	2	-	6	2-3	9+	2500	1	3	bcc	bccr.c	cc	ccr							
Chester (Sealand)	1008.4	-6	SSW 3	bc	52	55	8	2	4	-	4-6	4-6	2500	1008.4	-2	SSW 2	bc	44	85	8	5	-	-	4-6	4-6	2500	1	*	bccr	bccr.c	cc	ccr							
Manchester	1008.5	-4	SW 4	bc	51	65	7	3	4	-	4-6	4-6	4000	1008.4	+4	S 3	cc	44	75	6	5	3	-	4-6	7-8	2500	1	*	bcbcc	bccr.c	cc	ccr							
10 Spurn Head	1008.6	0	SWW 5	b	49	65	6	-	-	-	0	0	-	1008.2	0	SWW 4	b	45	85	6	-	-	-	0	0	-	0	3	bcb	bccr.c	cc	ccr							
Catterick	1006.1	+2	W 5	PR	43	85	7	8	-	-	9+	9+	1500	1005.8	0	SWW 3	b/pr	44	75	8	8	-	-	1	1	2500	1	*	bccr	ccpr.c	cc	ccr							
Tynemouth	1003.8	0	WSW 4	bc	49	55	6	2	-	-	2-3	2-3	2500	1004.1	+4	SW 3	bc	43	75	6	5	-	-	2-3	2-3	1500	1	1	bc	bccr.c	cc	ccr							
11 St. Abbs Head	998.3	-8	SW 6	bcc	46	92	8	2	4	3	2-3	4-6	2500	1000.6	+10	SW 5	bcc	41	75	8	-	3	-	0	2-3	-	0	4	bqbc	bccr.c	cc	ccr							
Leuchars	999.0	-2	SSW 5	c	45	75	7	3	6	3	4-6	7-8	2500	999.4	+4	SW 4	bccr	40	85	7	8	-	-	2-3	2-3	1500	1	*	bcc	bccr.c	cc	ccr							
Beaufort (Abbott L.)	1000.0	-2	SW 4	bc	45	85	8	3	6	3	4-6	4-6	2500	1000.3	+6	SW 3	bc	43	85	7	9	-	-	4-6	4-6	1500	1	*	ccpr	ccpr.c	cc	ccr							
Eckdalemuir																																							

REPORTS from HEALTH RESORTS for 19th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. 15th. to 9h. 15th.	Max. 9h. 15th. to 9h. 15th.	Night. 17h. 15th. to 17h. 15th.	Day. 9h. 15th. to 17h. 15th.	
1	Tunbridge W.	bbe	bcc	41	54	14	-	4.4
	Bournemouth	bbe	ccp	43	52	8	0.3	2.2
	Ventnor	orb	bo	45	53	11	-	3.8
	Southsea	bbe	cor	46	52	13	-	3.0
	Bognor Regis	bbe	bcc	44	53	11	-	4.2
	Littlehampton	bbe	bcc	44	52	12	-	3.9
	Worthing	b	bbee	44	52	10	-	4.9
	Brighton	bcc	bc	45	53	H	-	4.7
	Eastbourne†	bbe	bcc	45	54	12	-	4.7
	Hastings†	b	bcco	43	56	11	-	5.2
	Folkestone	bb	bbee	44	53	9	-	4.0
	Dover	bc	bicc	45	54	10	-	3.8
2	Deal	b	bbee	44	51	13	-	5.2
	Ramsgate	bc	bc	44	52	10	-	5.0
	Margate	bbe	bcc	44	52	6	-	4.7
	Southend	b	bbee	44	52	5	-	4.3
	Clacton-on-Sea	beb	bbee	44	52	8	-	4.5
	Dovercourt	roc	b	*	52	5	-	4.8
	Lowestoft	b	b	41	51	9	-	5.6
	Skegness	b	bbe	40	50	6	-	6.3
	Mablethorpe	b	b	44	50	9	-	6.1
	Cleethorpe	bc	bcc	41	49	9	-	6.5
	Leamington S.	bbe	bc	40	52	7	-	6.2
	Cheltenham†	bbe	bccir	44	53	9	-	5.4
3	Bath	bbcp	cp	39	50	10	1	3.1
	Weymouth	bc	ccp	44	53	10	2	1.8
	Jersey	grepe	bc	48	59	10	1	2.2
	Torquay	bbee	crpp	40	53	4	2	1.3
	Falmouth	bccor	rrro	42	52	7	13	0.4
	Penzance	bcc	rir	47	54	8	2	0.1
	St. Ives	beep	cp	47	52	5	2	0.1
	Bude	beep	cp	47	52	5	2	0.1
	Ilfracombe	rrrbc	bccrr	47	52	18	5	0.5
	Aberystwyth	prabc	cp	47	55	10	2	1.0
	Llandudno	bbe	bcc	46	51	5	-	4.8
	Colwyn Bay	bcbcb	bcbcb	44	51	7	-	3.8
4	Rhyl	b	bbe	45	53	6	-	6.5
	Wallassey	b	bbe	44	53	6	-	5.9
	Southport	bcc	c	46	50	9	-	3.1
	Blackpool	bc	bcc	43	51	11	-	5.0
	Morecambe							
	Ilkley	cpbe	bc	41	50	6	0.2	4.1
	Harrogate	b	bcb	40	48	7	-	4.5
	Berwick-on-T.	b	b	40	47	3	-	6.9
	Dunbar	bc	bepg	40	47	2	Tr	6.7
	Troon	ccccc	corro	42	48	6	0.3	0.7
	Douglas	cir	bc	43	48	11	-	3.8

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th November, 1938.
1 S.E. England	Wind south to southwest, fresh to strong, a gale locally on coast, veering west and moderating; occasional rain at first, showers later; average day temperature, ground frost locally at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Moderate southeast or variable winds; rainy today, bright intervals and showers tomorrow; rather cold.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Moderate to fresh westerly wind; bright periods, showers of rain or hail, snow locally on high ground; rather cold.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotl ^d . B.N.W.Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Light variable winds, becoming westerly moderate to fresh; showers today, occasional rain tomorrow; rather cold, temperature rising.
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 deep depression to northeast of Iceland is filling up, while a deepening secondary centred between Ireland and Cornwall will move quickly east-northeast. There will be rain today throughout England and Wales, followed by brighter though showery conditions. In Scotland and Ireland it will be showery generally, with some hail or sleet in the north.

FURTHER OUTLOOK.

Unsettled, particularly in the South.

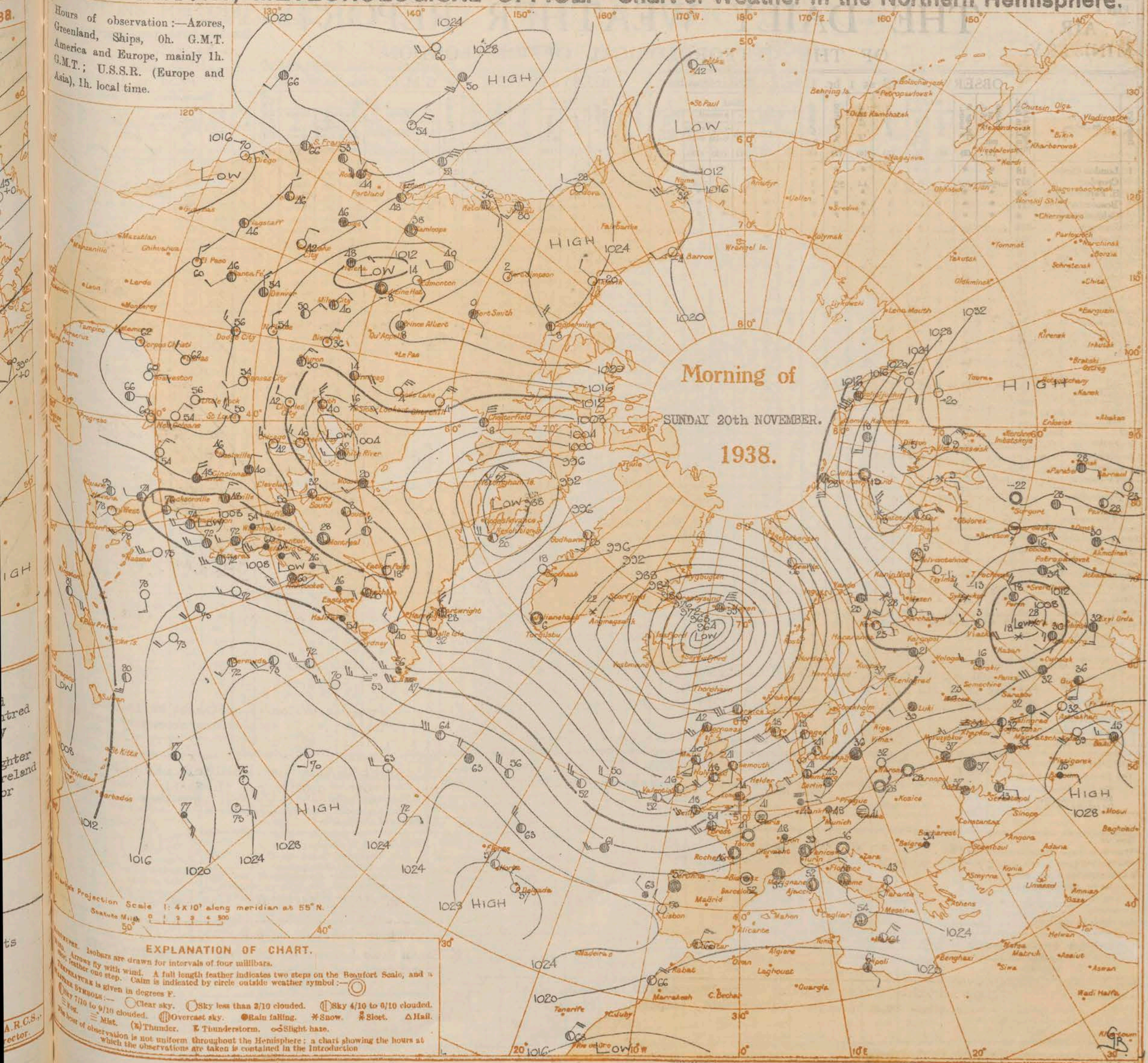
Time Of Issue of Gale Warnings.

South Cone hoisted at 0800 on 20th in districts 1 and parts of 2 and 5.

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, M.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.



Morning of
SUNDAY 20th NOVEMBER.
1938.

EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: —○—
Temperature is given in degrees F.
Sky symbols: —○— Clear sky. —○— Sky less than 2/10 clouded. —○— Sky 4/10 to 6/10 clouded. —○— Overcast sky. —○— Rain falling. * Snow. * Sleet. △ Hail.
Hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Sunday 20th November, 1936.
No. 28122.

OBSERVATIONS at 1 hr. G.M.T. 20th November														OBSERVATIONS at 7 hr. G.M.T. 20th November														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. Dir. (3)	Force (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. (8)	Cloud.				Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. Dir. (18)	Force (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Visibility. (23)	Cloud.				State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		Sea. (36)				
											Form.			Amount.									Height of Base (feet).	Form.					Amount.		Max. Day 7h-12h °F. (31)	Min. Night 12h-7h °F. (32)	Min. on Grass °F. (33)		Day 7h-12h min. (34)	Night 12h-7h min. (35)		
											Low.	Med.	High.	Low.										Total.	Low.	Med.			High.	Low.							Total.	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1007.5	-2.0	SSE	3	rr	46	92	6	C	2	-	7.8	10	1500	1	*	50	43	34	-	3	3.0			
	Croydon	217	1012.6	-1.0	S	3	c	44	92	8	-	4	2	0	7.8	-	SSW	1	rr	45	92	8	C	2	-	9	10	1500	1	*	52	43	30	Tr	3	3.0		
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1006.4	-3.2	SSE	3	rr	45	92	6	C	2	-	9	10	1500	1	*	49	43	30	Tr	3	3.0			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1005.7	-2.4	SSE	3	rr	45	97	7	C	2	-	9	10	1500	1	*	49	39	37	1	3	5.2			
	Calshot (St. Helens)	8	*	*	*	*	*	*	*	*	*	*	*	1007.6	-2.2	SSE	3	c/pr	51	92	8	C	7	8	7.8	34	1500	1	4	53	45	43	1	3	5.1			
	Lymington	346	1014.2	-1.0	SSW	3	bc	44	92	8	5	-	-	4.0	4.0	4000	1011.0	-1.2	SW	5	c	47	85	8	C	2	-	4.0	7.8	2500	1	3	51	42	30	-	2	5.1
	Manston	154	1013.4	-1.4	SSW	3	b	43	85	7	-	3	-	0	1	-	1009.7	-2.0	SW	3	c	47	85	8	C	2	-	2.3	9	2500	1	*	52	42	38	-	2	4.4
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1009.5	-1.0	S	3	c	47	85	8	C	2	-	4.0	10	1500	1	*	52	45	40	-	1	4.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1009.0	-1.0	SW	3	c	47	92	7	C	2	-	4.0	10	1500	1	3	52	47	41	-	2	5.4			
	Gorleston	5	1011.3	+8	SW	3	b	41	85	6	-	-	0	0	-	1008.0	-1.2	SW	4	c	45	85	6	C	2	-	10	10	1500	1	2	51	40	39	-	0.3	5.5	
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1007.0	-2.4	S	4	c	45	92	6	C	5	7	-	7.8	24	1500	1	*	51	40	35	-	0.6	5.9		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1005.7	-3.0	SW	2	c	37	81	C	5	7	-	7.8	10	2500	1	*	49	35	20	-	-	-			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1004.5	-2.4	S	3	c	42	92	8	5	7	-	2.3	10	2500	1	*	50	39	36	0.2	-	5.5			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1005.2	-2.4	SSE	3	RR	44	97	C	C	-	-	10	10	450	1	*	50	39	33	-	3	4.8			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1003.4	-2.0	S	2	c	45	92	7	C	2	-	2.3	10	1500	1	*	50	42	37	3	4	4.8			
5	Hartland Point	299	1007.0	-2.4	SW	5	c	49	85	9	3	8	-	4.0	9	1500	1006.6	-3.0	S	4	c	46	92	8	5	2	-	4.0	9	1500	1	3	51	45	42	3	4	1.0
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1008.8	-3.0	SW	3	c	45	92	8	C	2	-	4.0	10	1500	1	*	50	43	38	2	4	2.8			
	Fortland Hill	32	1015.7	-1.8	WSW	4	pc	52	92	8	5	-	10	10	2500	1004.0	-3.0	SW	5	RR	51	92	7	5	-	-	10	10	800	2	5	55	49	43	0.2	12	0.0	
	Plymouth	82	1015.7	-1.8	WSW	4	pc	52	92	8	5	-	10	10	2500	1004.0	-3.0	SW	5	RR	51	92	7	5	-	-	10	10	800	2	5	55	49	43	0.2	12	0.0	
	The Lizard	240	1009.3	-2.4	WSW	5	c	51	85	8	5	-	10	10	1500	1001.3	-2.0	WSW	5	c	48	97	7	5	-	-	10	10	1500	1	2	53	48	43	3	7	0.2	
	Scilly (St. Mary's)	163	1007.0	-3.0	WSW	5	c/pr	48	85	8	4	-	4.0	9	1500	999.5	-4.2	WSW	3	c/pr	48	85	7	8	7	-	4.0	9	1500	1	3	52	40	35	3	8	0.2	
	Guernsey	175	1012.8	-1.8	SSW	4	bc	51	75	9	8	3	-	4.0	4.0	2500	1002.1	-3.0	SW	5	c	52	85	9	3	-	4.0	9	2500	1	4	54	48	42	-	0.5	1.4	
6	Pembroke	142	1006.2	-1.0	SW	5	c	50	75	7	2	2	-	7.8	10	1500	999.3	-2.2	SE	2	c	48	85	7	8	2	-	4.0	9	1500	1	2	51	44	40	1	10	1.8
7	Holyhead	26	1004.4	-1.0	SW	4	bc	48	7	2	-	-	2.3	2.3	2500	999.9	-2.0	SW	3	c	47	85	8	2	-	8	4.0	9	2500	1	2	51	45	40	-	0.2	5.7	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1002.3	-2.0	SE	3	c	42	92	7	5	-	-	9	9	4000	1	*	53	38	34	-	-	-	4.8		
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1003.0	-2.0	SW	1	c	42	92	7	5	7	-	2.3	9	5700	1	*	52	40	34	-	-	-	-		
10	Spurn Head	29	1008.2	0	SSW	4	bc	41	92	7	5	-	2.3	2.3	4000	1004.8	-1.8	SSW	4	c	42	92	7	5	9	-	0	7.8	-	1	3	49	40	31	2	0.3	4.4	
	Catterick	175	1004.9	-4	S	2	bc	41	85	6	2	-	-	4.0	4.0	1500	1003.1	-1.0	SE	2	c	35	97	C	5	4	-	9	9	1500	1	1	40	34	31	-	-	4.4
	Tynemouth	108	1004.9	-4	S	2	bc	41	85	6	2	-	-	4.0	4.0	1500	1003.1	-1.0	S	2	c	39	85	C	8	-	-	7.8	7.8	1500	1	1	50	39	37	-	-	-
11	St. Abbs Head	280	1001.3	-8	SW	5	bc	39	85	8	2	C	-	2.3	2500	999.5	0	S	3	c	38	92	9	5	7	9	4.0	9	2500	0	3	47	30	27	Tr	3	0.5	4.1
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	998.3	-1.0	SW	4	bc	39	92	8	8	3	3	1	2.3	4000	1	*	46	30	27	Tr	3	0.5	1.2		
12	Reafrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	999.3	-1.2	SSE	1	c/pr	42	92	7	8	-	-	9	1500	1	*	46	38	34	3	0.1	2	5.1			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1000.2	-8	SE	2	c	38	92	7	C	-	-	-	7.8	7.8	1500	1	*	45	34	28	0.1	2	5.1		
	Point of Ayre	30	1003.0	-8	SW	3	b	43	85	8	4	-	-	1	1	2500	1000.0	-1.2	SW	2	bc	38	92	7	8	-	2.3	2.3	2500	1	1	49	37	30	0.1	-	-	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	994.3	-0	SW	5	bc/pr	45	85	8	8	-	-	-	4.0	4.0	1500	1	3	47	41	30	0.2	2	0.7		
13B	Stornoway	80	999.2	0	SSW	5	c/pr	42	75	7	8	-	-	7.8	7.8	2500	992.0	0	WSW	4	bc	40	85	C	5	-	-	9	9	1500	1	2	45	39	30	3	2	0.1
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	997.2	-8	S	5	c	30	85	7	5	2	-	-	4.0	9	1500	1	*	40	34	30	4	3	5.7		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	997.8	-1.0	SW	3	c	40	85	8	2	7	9	Tr	9	2500	1	1	43	37	33	-	1	0.1			
	Wick	81	994.8	0	SW	3	bc	37	85	8	5	-	-	2.3	2.3	1500	993.8	-1.0	SW	4	c	41	92	8	5	7	8	4.0	9	1500	1	2	43	30	30	1		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 21st November, 1938.

No. 28123

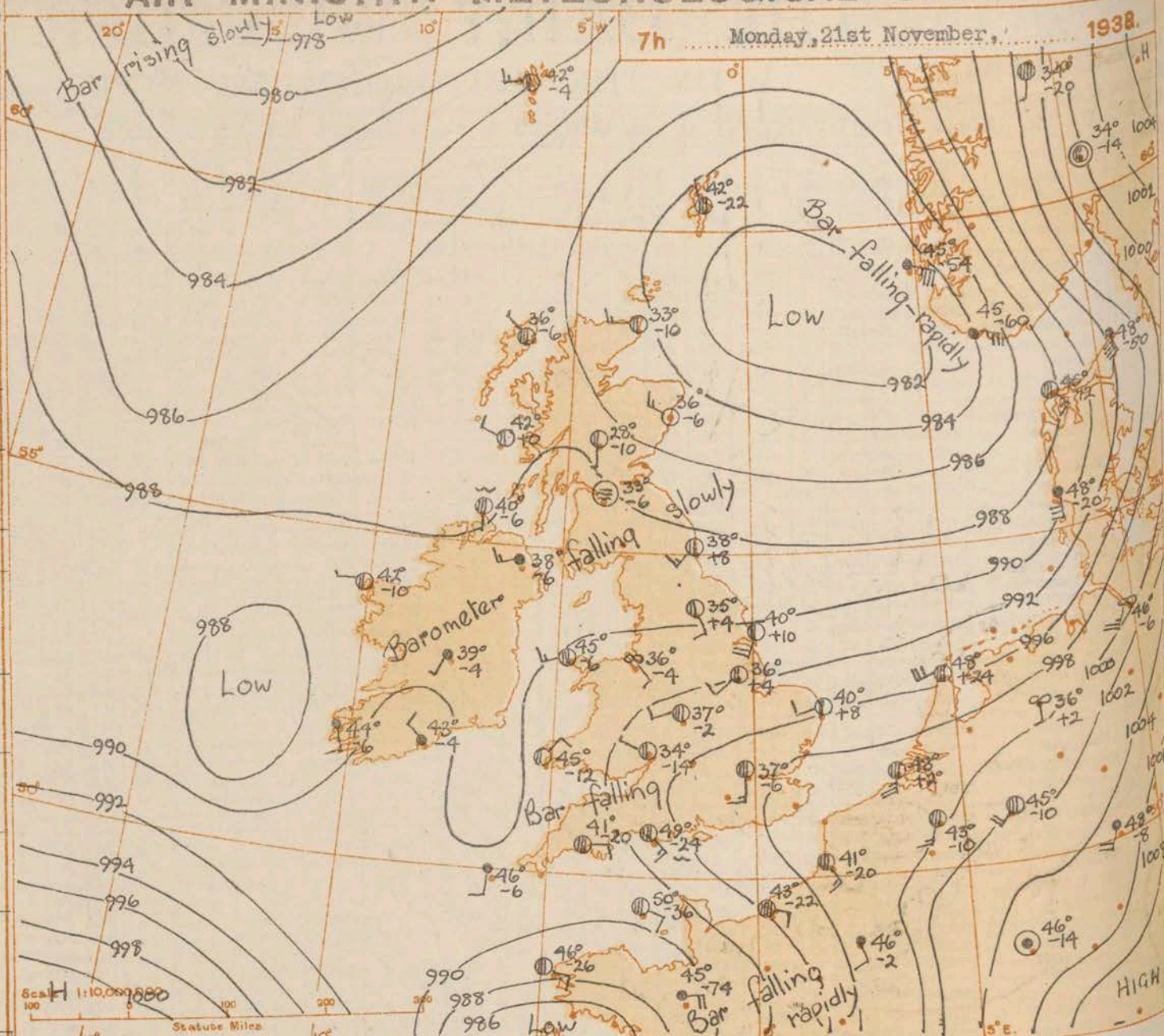
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 20th November														OBSERVATIONS at 18h. G.M.T. 20th November														PAST 24 HOURS.					
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind. Dir. Force	Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.							
									Form.			Amount.									Height of Base (feet)	Form.			Amount.			Height of Base (feet)	7h-13h. 20th	13h-18h. 20th	18h-24h. 1st	1h-7h. 21st			
									Low	Med.	High	Low	Total									Low	Med.	High	Low								Total		
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)
1	London (Kew) ...	997.9	-52	SSE	4	50	85	5	6	2	-	7-8	10	1500	992.4	-24	SSW	3	Cr	48	92	7	5	-	-	10	10	1500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Croydon ...	993.3	-58	SE	5	50	85	6	6	2	-	7-8	10	1500	993.3	-22	SW	3	Cr	47	92	6	6	2	-	9	10	2500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	S. Farnborough ...	997.0	-58	SSE	5	49	92	6	6	2	-	9	10	450	992.5	-22	SSW	3	Cr	45	92	6	-	2	-	9	10	5700	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Boscombe Down ...	996.2	-50	SW	6	48	97	7	6	2	-	9	10	800	992.7	-8	SW	3	Cr	44	92	7	5	-	-	4-6	4-6	2500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Calshot (Stmnt.) ...	997.8	-60	SE	7	51	97	5	6	2	-	9	10	800	994.2	-10	WSW	2	Cr	47	92	8	8	-	-	4-6	4-6	2500	1	3	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Lymington ...	1004.0	-42	SE	5	50	75	8	5	2	-	2-3	10	1500	994.9	-56	S	6	Cr	49	92	6	6	2	-	9	10	800	1	3	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Manston ...	1002.8	-44	S	5	51	75	7	5	2	-	7-8	9	800	994.0	-58	SE	5	Cr	48	92	6	6	2	-	10	10	800	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
2	Shoeburyness ...	1001.5	-50	SE	5	51	85	8	6	2	7	4-6	10	1500	993.6	-42	SE	5	Cr	48	92	6	6	2	-	9	10	800	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Felixstowe ...	1002.0	-46	SE	6	52	75	7	5	2	7	4-6	10	1500	993.5	-40	SSE	7	Cr	49	97	6	6	2	-	9	10	800	1	5	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Gorleston ...	1002.3	-42	SW	7	50	75	6	6	-	-	10	10	2500	993.1	-40	SW	8	Cr	50	85	6	6	-	-	10	10	1500	1	5	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Mildenhall ...	999.0	-50	SE	5	50	85	7	6	2	-	7-8	10	2500	991.6	-34	S	4	Cr	47	92	6	-	2	-	10	10	4000	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Cranwell ...	997.9	-60	ESE	2	45	97	4	-	2	-	10	10	800	982.6	-22	SSE	3	Cr	47	97	5	6	2	-	7-8	10	800	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
3	Birmingham ...	995.1	-56	SSE	3	44	97	5	6	2	-	7-8	10	1500	991.3	-6	W	2	Cr	42	92	6	-	2	-	10	10	1500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Upper Heyford ...	996.4	-58	S	4	46	92	6	6	2	-	9	10	450	991.6	-16	SSW	2	Cr	45	97	7	5	7	-	4-6	10	2500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
4	Ross-on-Wye ...	993.2	-54	SW	2	47	97	6	6	-	-	9	10	1500	991.4	-12	SW	2	Cr	44	92	6	6	-	-	10	10	1500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
5	Barland Point ...	993.0	-36	W	5	49	92	8	3	8	-	4-6	9	800	993.6	+14	NW	5	Cr	46	92	8	9	2	-	7-8	9	1500	1	4	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Bristol ...	994.4	-56	SW	3	49	92	8	6	2	-	7-8	10	1500	992.0	-8	WSW	3	Cr	46	92	8	9	-	-	4-6	4-6	1500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Portland Bill ...	995.6	-44	SW	5	51	92	7	5	-	-	10	10	800	993.2	-12	W	5	Cr	51	92	8	5	-	-	10	10	1500	2	5	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Plymouth ...	995.2	-22	W	3	49	85	7	3	-	-	9	9	800	995.7	+10	W	3	Cr	47	85	6	9	-	-	9	9	800	1	2	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	The Lizard ...	995.1	-24	WN	5	50	85	8	6	-	-	4-6	7-8	2500	997.1	+14	WN	7	Cr	49	75	8	8	-	-	4-6	4-6	2500	1	4	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	St. Mary's ...	996.1	-10	WN	6	47	85	8	3	-	-	9	9	800	995.0	+18	WN	6	Cr	49	65	8	2	-	-	2-3	2-3	1500	1	4	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Guernsey ...	997.9	-40	SSW	5	48	97	7	5	-	-	10	10	1500	997.3	+14	NW	5	PR	51	85	7	8	-	-	9	9	800	1	4	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
6	Pembroke ...	993.8	-28	N	1	48	92	7	8	-	-	9	9	1500	993.5	+4	NW	5	Cr	48	85	7	8	-	-	7-8	7-8	1500	1	3	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
7	Holyhead ...	994.4	-34	-	0	47	92	9	9	2	-	4-6	9	1500	991.4	-12	NW	5	Cr	48	85	8	9	1	-	4-6	9	2500	1	1	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
8	Chester (Sealand) ...	995.2	-44	ENE	1	48	97	4	-	2	-	10	10	800	991.3	-6	NW	2	Cr	44	97	4	5	-	-	10	10	2500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Manchester ...	996.1	-50	EN	2	44	97	3	6	2	-	7-8	10	1500	992.8	-16	NW	2	Cr	42	97	4	5	2	-	7-8	10	1500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
10	Spurn Head ...	993.9	-40	SSE	4	45	97	6	5	2	-	7-8	10	1500	988.8	-44	SSW	5	Cr	48	92	8	6	-	-	10	10	1500	2	4	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Gatterick ...	997.8	-38	SE	1	40	97	5	5	2	-	7-8	10	450	990.6	-36	N	2	Cr	41	97	3	6	-	-	10	10	450	1	0	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Tynemouth ...	993.0	-28	SSW	2	43	85	4	5	-	-	10	10	1500	992.0	-40	NW	3	Cr	42	92	4	-	2	-	10	10	1500	1	1	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
11	St. Abbs Head ...	996.1	-8	SW	5	43	85	9	7	6	4	2-3	4-6	4000	993.2	-16	-	0	Cr	42	92	8	2	-	-	2-3	2-3	2500	0	1	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Leuchars ...	996.2	-22	SW	2	46	75	8	2	7	6	2-3	7-8	4000	993.1	-16	-	0	Cr	35	97	5	4	7	2	2-3	4-6	2500	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Renfrew (Abbots I.) ...	996.4	-16	S	1	47	75	7	2	3	8	2-3	4-6	2500	993.8	-20	-	0	Cr	36	97	5	4	-	-	2-3	2-3	4000	1	*	cm, cgm	cm, cgm	cm, cgm	cm, cgm	
	Eskdalemuir ...	996.4	-26	SE	3	40	92	7																											

REPORTS from HEALTH RESORTS for 20th November 1938.

STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (h)
	Fore-noon.	After-noon.	Min. 8h. to 9h. 20th.	Max. 9h. to 17h. 20th.	Night. 17h. to 9h. 21st.	Day. 9h. to 17h. 21st.	
1 Tunbridge W.	oro	oro	41	50	5	7	0.0
Bournemouth	Rro	orc	44	51	15	12	0.0
Ventnor	oro	orc	46	52	18	12	0.0
Southsea	or	pir	46	52	15	11	0.0
Bognor Regis	rr	htlr	46	53	12	12	0.0
Littlehampton	cor	orc	45	53	10	13	0.0
Worthing	cir	oir	45	53	13	8	0.0
Brighton	or	rr	44	54	5	3	0.0
Eastbourne	p	pr	47	53	10	12	0.0
Hastings	o	orr	45	53	5	3	0.0
Folkestone	oor	orr	45	52	7	3	0.0
Dover	bcc	cor	47	53	3	2	0.0
Deal	oco	orr	43	52	5	2	0.1
Ramsgate	c	cqr	46	52	1	1	0.0
Margate	c	cr	45	52	2	2	0.1
2 Southend	o	or	45	51	1	3	0.0
Clacton-on-Sea	ccp	cor	44	52	3	0.2	0.0
Dovercourt	roc	roc	48	51	3	Trace	0.0
Lowestoft	pc	cpqr	41	51	2	1	0.0
Skegness	oro	rr	41	50	Trace	5	0.0
Mablethorpe	orr	orr	44	49	0.3	11	0.0
Cleethorpe	cr	or	38	47	-	12	0.0
3 Leamington S.	or	roc	40	48	4	7	0.0
4 Cheltenham	or	orocr	41	49	3	7	0.0
5 Bath	rr	rr	43	51	9	9	0.1
Weymouth	rr	ir	46	52	15	12	0.0
Jersey	c	qrc	49	53	-	11	0.0
Torquay	orrc	bccpq	44	52	17	3	0.5
Falmouth	corrc	corac	43	52	15	2	1.2
Penzance	rbcp	cp	44	53	23	2	2.2
St. Ives	rbpc	bpc	45	53	4	4	1.8
Bude	rbpc	bpc	44	50	9	4	1.0
Ilfracombe	orro	opbc	42	49	3	4	0.0
6 Aberystwyth	prpr	prc	42	47	5	Trace	0.1
7 Llandudno	c	crc	42	47	5	Trace	0.1
Colwyn Bay	co	ocpc	41	47	1	0.3	0.0
Rhyl	dcr	rdc	39	46	0.2	1	0.0
8 Wallasey	cor	rd	42	45	Trace	4	0.0
Southport	cmor	rgrom	37	44	1	2	0.0
Blackpool	cmo	orgo	39	44	2	1	0.0
Morecambe	cmo	orgo	39	44	2	1	0.0
9 Ilkley	cor	rr	39	42	Trace	6	0.0
Harrogate	bcofr	ofrr	36	42	-	7	0.0
10 Berwick-on-T.	bc	cmc	38	45	-	-	3.8
11 Dunbar	bc	bc	38	47	0.3	-	6.8
12 Troon	bccbc	bcbcc	44	49	Trace	-	5.0
Douglas	bc	bc	40	49	-	-	1.6

† 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. 21st November, 1938.

1 S.E. England	Wind easterly today, becoming northwest tomorrow, light or moderate; rain and fog today, fairer tomorrow; rather cold.
2 E. England	
3 E. Midlands	
4 W. Midlands	Wind light variable or westerly; occasional rain or showers, but bright periods; local fog today; rather cold.
5 S.W. England	
6 South Wales	
7 North Wales	Wind light or moderate variable or westerly; showers of sleet or snow but bright intervals; local fog; cold with frost at night.
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 4v - 8.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl ^d . B.N.W. Scot- land.	As 4v - 8.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	As 4v - 8.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	As 4v - 8.
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.

An intense depression over the Bay of Biscay will move over France and cause some rain in Southeast England. Pressure is low and irregular over the British Isles. There will be occasional rain or showers but some bright intervals. It will be rather cold generally.

FURTHER OUTLOOK.

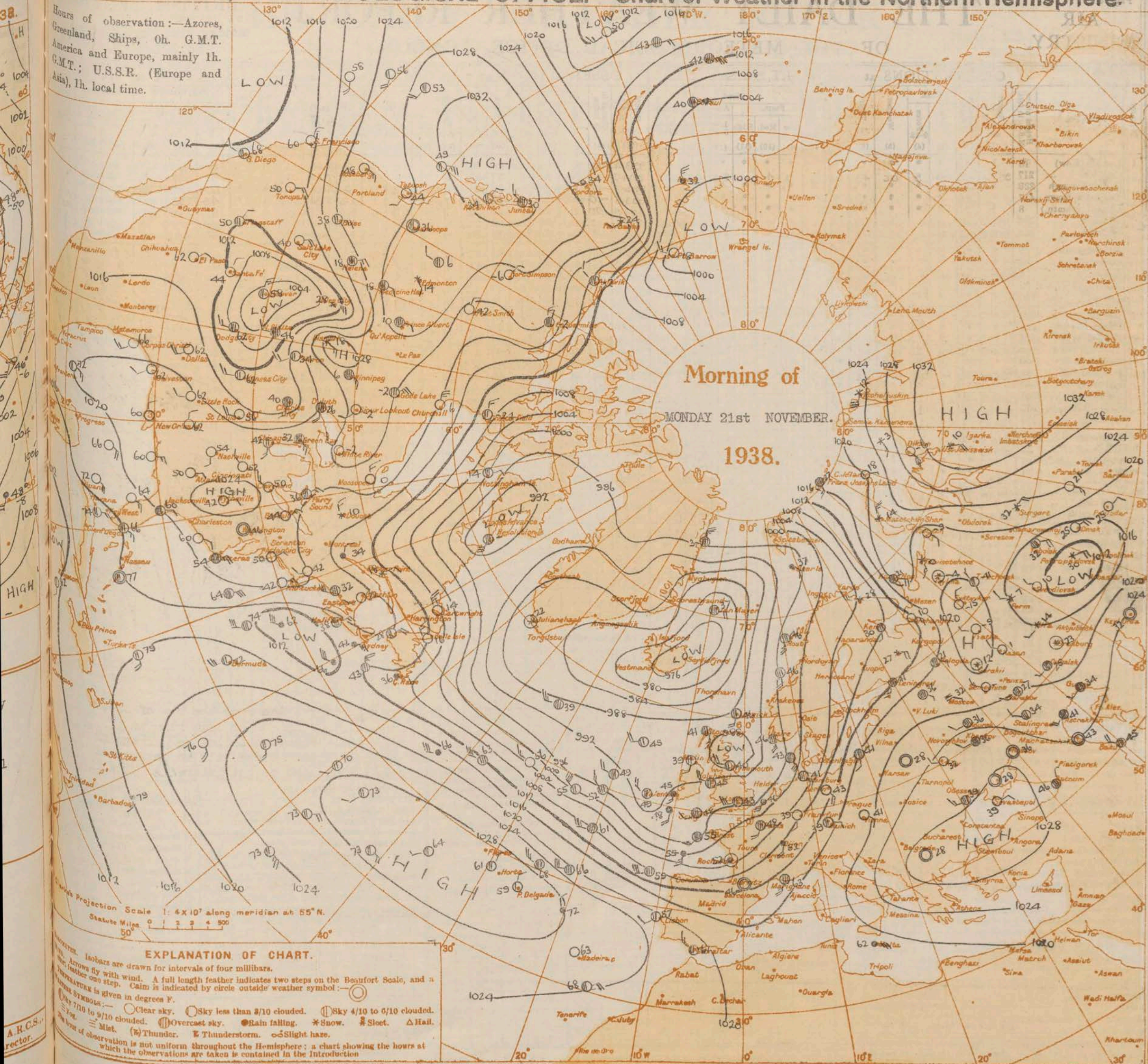
Continuing unsettled and rather cold.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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
Monday 21st November, 1938.
No. 28123

OBSERVATIONS at 1 hr. G.M.T. 21st November														OBSERVATIONS at 7 hr. G.M.T. 21st November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.		Wind.	Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L.	Change in 2 hours.	Wind.	Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUN-SHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			mb.	Change in 3 hours.						Dirac.	Force 0-12	Form.	Amount.	Height of Base (feet).								Low.	Med.	High.	Low 0-10	Total 0-10			Form.	Amount.	Height of Base (feet).	Max. Day 7h-12h °F.	Min. Night 12h-7h °F.		Min. on Grass °F.	Day 7h-12h in.	Night 12h-7h in.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday 22nd November, 1938.
No. 28124

STATIONS.	OBSERVATIONS at 13h. G.M.T. 21st November														OBSERVATIONS at 18h. G.M.T. 21st November														PAST 24 HOURS.							
	Barom. M.S.L. mb.	Change in 3 hours.	Wind. Dir.	Force 0-12	Weather.	Temp.	Humid.	Visib.	Cloud.						Barom. M.S.L. mb.	Change in 3 hours.	Wind. Dir.	Force 0-12	Weather.	Temp.	Humid.	Visib.	Cloud.						State of Ground. 0-9	Sea. 0-9	WEATHER.					
									Form.			Amount.		Height of Base (feet)									Form.			Amount.		Height of Base (feet)			Form.			Amount.		Height of Base (feet)
									Low	Med.	High	Low	Total										Low	Med.	High	Low	Total				Low	Med.	High	Low	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)			
(For heights see p. 4.)																																				
1 London (Kew)	999.7	-20	N	2	F+	41	92	1	-	-	-	10	10	1500	998.0	-4	SSW	1	F+	40	92	1	-	-	-	10	10	1500	1	*	bc	10	10	1500		
Croydon	999.0	-20	NE	1	z	46	92	5	-	7	8	0	3+	-	998.8	0	-	0	F	38	97	0	-	-	-	10	10	1500	1	*	cm	10	10	1500		
S. Farnborough	999.7	-20	NNE	1	c	45	86	6	-	3	6	0	7-8	-	998.3	-6	-	0	f+	40	92	3	-	-	-	10	10	1500	1	*	fm	10	10	1500		
Boscombe Down	999.7	-20	E	2	z	47	75	6	5	7	8	2-8	4-6	1500	997.7	-10	-	0	c/r	42	92	7	5	-	-	7-8	7-8	2500	1	*	bc	10	10	1500		
Calshot (Stmnt.)	999.5	-18	N	1	bc	48	75	7	-	5	8	0	4-6	-	998.1	-6	SWW	1	c/r	46	92	7	5	7	-	4-6	3	4000	1	1	cb	10	10	1500		
Lympne	999.1	-30	NNE	2	c/r	44	85	6	3	7	-	2-8	10	1500	998.9	+2	NW	2	z	42	92	6	5	4	8	1	7-8	1500	1	1	cpr	10	10	1500		
Manston	999.0	-42	NNE	2	c	48	75	7	5	7	-	4-6	3+	2500	997.5	+4	NNW	2	z	43	85	6	5	4	8	1	7-8	1500	1	*	cm	10	10	1500		
2 Shoeburyness	999.2	-26	N	1	c	47	85	8	1	8	2-8	3+	2500	998.8	-2	NNW	1	c	39	92	6	-	-	8	0	7-8	-	1	*	bc	10	10	1500			
Felixstowe	999.3	-30	NW	2	z	47	75	6	8	2	7	2-3	3+	2500	998.3	-4	NNW	1	z	40	92	5	-	7	8	0	4-6	-	1	1	cm	10	10	1500		
Gorleston	999.3	-20	-	0	c	44	75	6	-	7	-	0	7-8	-	998.5	-6	NW	1	bc	41	85	5	5	-	4-6	4-6	1500	1	1	bcc	10	10	1500			
Mildenhall	999.3	-22	-	0	c	46	75	7	-	6	Tr	7-8	4000	998.0	-2	W	1	fg	34	97	5	-	-	1	0	Tr	-	1	*	bc	10	10	1500			
Cranwell	999.3	-18	SW	1	z	46	75	6	-	4	6	0	4-6	-	998.0	-4	-	0	z	37	92	5	-	2	-	0	3+	-	1	*	bc	10	10	1500		
3 Birmingham	998.8	-22	WSW	1	c	44	75	6	-	8	0	7-8	-	998.8	-4	SW	2	o/d	40	85	6	5	-	-	10	10	1500	1	*	cb	10	10	1500			
Upper Heyford	999.2	-24	SE	1	c	46	75	7	-	1	4	0	7-8	-	998.6	-10	-	0	z	42	85	6	5	-	10	10	7200	1	*	bcc	10	10	1500			
Ross-on-Wye	999.2	-12	WSW	1	m	40	85	4	5	-	10	10	1500	998.2	-10	NE	1	bc	40	92	5	-	2	-	10	10	800	1	*	bc	10	10	1500			
4 Hartland Point	998.3	-16	S	4	c/r	44	37	7	3	2	-	9+	10	1500	998.6	-6	NW	2	c/r	46	92	8	8	1	-	7-8	7-8	1500	1	3	bc	10	10	1500		
Bristol	999.8	-16	SE	2	z	43	35	6	5	2	-	2-3	10	2500	998.0	-10	S	1	bc	41	97	6	6	2	-	7-8	7-8	1500	1	*	bc	10	10	1500		
Portland Bill	999.4	-14	E	4	pr	51	92	7	5	-	10	10	1500	997.2	-12	SE	3	c	48	92	8	8	-	-	7-8	7-8	1500	2	4	bc	10	10	1500			
Plymouth	999.4	-10	E	1	bc	46	97	5	6	2	-	3	10	1500	997.6	-2	W	2	z	48	85	6	8	-	7-8	7-8	1500	1	2	bc	10	10	1500			
The Lizard	999.3	-10	W	5	c	50	92	8	6	-	7-8	7-8	2500	997.9	-4	NNW	5	c	48	85	8	8	6	-	7-8	7-8	2500	1	2	bc	10	10	1500			
Scilly (St. Mary's)	999.2	-8	NNW	5	c/r	51	75	8	6	4	4-6	7-8	1500	998.1	-4	NW	3	c	49	85	8	8	7	-	7-8	7-8	1500	1	2	bc	10	10	1500			
Guernsey	999.3	+2	WS	3	c/r	48	85	7	8	-	10	10	800	998.3	-10	WSW	3	c/r	50	85	7	8	-	-	7-8	7-8	800	2	3	bc	10	10	1500			
6 Pembroke	998.5	-6	ES	3	c/r	45	92	7	8	2	-	7-8	10	1500	997.1	-10	ES	2	c/r	44	85	7	8	6	-	7-8	7-8	1500	1	2	bc	10	10	1500		
Holyhead	997.7	-12	WSW	2	c/r	44	92	7	3	2	-	7-8	10	2500	995.8	-2	SSW	2	bc	44	92	6	3	2	-	7-8	10	1500	1	1	bc	10	10	1500		
Chester (Sealand)	998.7	-20	ESE	2	z	46	75	5	5	3	8	4-6	7-8	4000	997.2	-8	ES	1	z	41	85	5	5	2	-	4-6	10	4000	1	*	bc	10	10	1500		
Manchester	999.0	-18	SE	1	z	43	85	5	-	-	2	0	3	-	997.6	-2	SE	2	m	42	85	4	5	2	-	2-3	10	4000	1	*	bc	10	10	1500		
10 Spurn Head	999.5	-8	WS	1	bc	47	75	5	-	2	0	4-6	-	997.4	-10	WSW	1	bc	42	85	6	-	-	8	0	2-3	-	1	1	bc	10	10	1500			
Catterick	998.5	-12	SW	2	c	44	85	7	6	4	8	4-6	7-8	1500	996.2	-6	-	0	m	38	92	4	5	3	-	4-6	4-6	1500	1	*	bc	10	10	1500		
Tynemouth	997.9	-10	SW	2	m	43	85	4	2	3	-	4-6	7-8	1500	997.1	0	SW	3	m	41	85	4	8	-	7-8	7-8	1500	1	1	bc	10	10	1500			
11 St. Abbs Head	998.7	-4	WSW	4	c	43	65	8	7	1	-	4-6	7-8	2500	998.3	0	SW	3	bc	40	92	8	8	4	-	2-3	4-6	2500	0	3	bc	10	10	1500		
Leuchars	998.4	-14	WSW	2	z	33	92	5	4	7	6	1	3+	4000	998.7	+8	W	1	z	33	92	5	-	7	-	0	2-3	-	3	*	bc	10	10	1500		
Ronfrew (Abbots L.)	997.4	-8	-	0	c/r	33	97	2	5	3	-	7-8	3+	2500	996.8	-2	-	0	m	37	97	4	5	-	4-6	4-6	4000	1	*	bc	10	10	1500			
Eakdalemuir	996.8	-12	SSW	3	bc	33	92	7	5	-	10	10	800	995.9	0	-	0	m	38	97	6	6	2	-	7-8	10	800	1	*	bc	10	10	1500			
Point of Ayre	997.1	-16	W	3	bc	45	85	8</																												

STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
	Fore-noon.	After-noon.	Min. 9h. to 21st.	Max. 9h. to 17h. 21st.	Night. 17h. to 9h. 21st.	Day. 9h. to 17h. 21st.	
1 Tunbridge W.	c	c	33	45	4	-	0.6
Bournemouth	cbeb	crra	36	47	-	2	1.7
Ventnor	rou	cor	44	50	2	1	0.6
Southsea	cc	bcco	40	49	1	-	1.3
Bognor Regis	cbcb	bc	38	48	4	-	1.8
Littlehampton	c	cbcc	37	48	2	-	1.0
Worthing	cbe	cbe	37	48	3	-	1.5
Brighton	ccb	ccb	38	49	3	-	0.8
Eastbourne	co	acbe	40	48	3	-	0.2
Hastings	orcc	pcbc	39	50	7	0.3	0.0
Folkestone	oora	oora	37	48	7	4	0.0
Dover	c	corc	38	50	9	2	0.0
Deal	ffo	orro	38	48	6	2	0.0
Ramsgate	cor	rcr	40	49	5	1	0.0
Margate	c	crh	40	49	6	4	0.0
2 Southend	c	cbccm	40	47	4	-	0.7
Clacton-on-Sea	bc	bcc	41	47	6	-	0.2
Dovercourt	roc	bc	34	46	7	-	0.9
Lowestoft	bzbc	c	38	44	7	-	1.1
Skegness	cbcb	bcb	35	50	2	-	5.4
Mablethorpe	bcb	bm	38	48	0.3	-	4.9
Cleethorpes	cbe	bc	37	48	2	-	5.0
3 Leamington S.	cbe	co	33	48	2	-	2.3
4 Cheltenham	cobcc	coppo	34	47	0.3	Trace	2.9
5 Bath	bccc	cr	34	45	0.3	0.5	2.1
Weymouth	bc	rcr	39	49	-	5	1.8
Jersey	pcc	qrc	48	52	0.3	3	0.0
Torquay	omrpr	cipm	38	48	1	5	0.5
Falmouth	orgc	bc	41	51	8	4	2.4
Penzance	rcip	bcipc	42	51	14	3	2.1
St. Ives	c	c	40	49	4	5	0.7
Bude	cpbc	cpbc	40	49	4	5	0.7
Ilfracombe	ipcc	ipcc	42	49	2	2	0.0
6 Aberystwyth	cpr	prc	40	45	-	3	0.0
7 Llandudno	c	cr	40	46	1	1	0.4
Colwyn Bay	cbebc	ccopp	38	48	1	0.5	0.3
Rhyl	bcc	cor	36	46	3	0.1	1.4
8 Wallasey	bcc	c	38	48	2	-	2.5
Southport	cmbcz	czpaz	41	48	6	Trace	2.0
Blackpool	orfm	orfm	40	49	2	1	2.1
Morecambe	c	c	38	45	3	-	0.4
9 Ilkley	acbc	c	38	45	1	-	3.8
Harrogate	bcb	bcb	33	42	-	-	2.4
10 Berwick-on-T.	bcc	cbe	33	44	-	-	2.7
11 Dunbar	bcc	bcm	37	45	1	2	0.6
12 Troon	cccp	cccp	37	45	1	2	0.6
Douglas	bcrx	cir	38	*	0.3	1	0.0

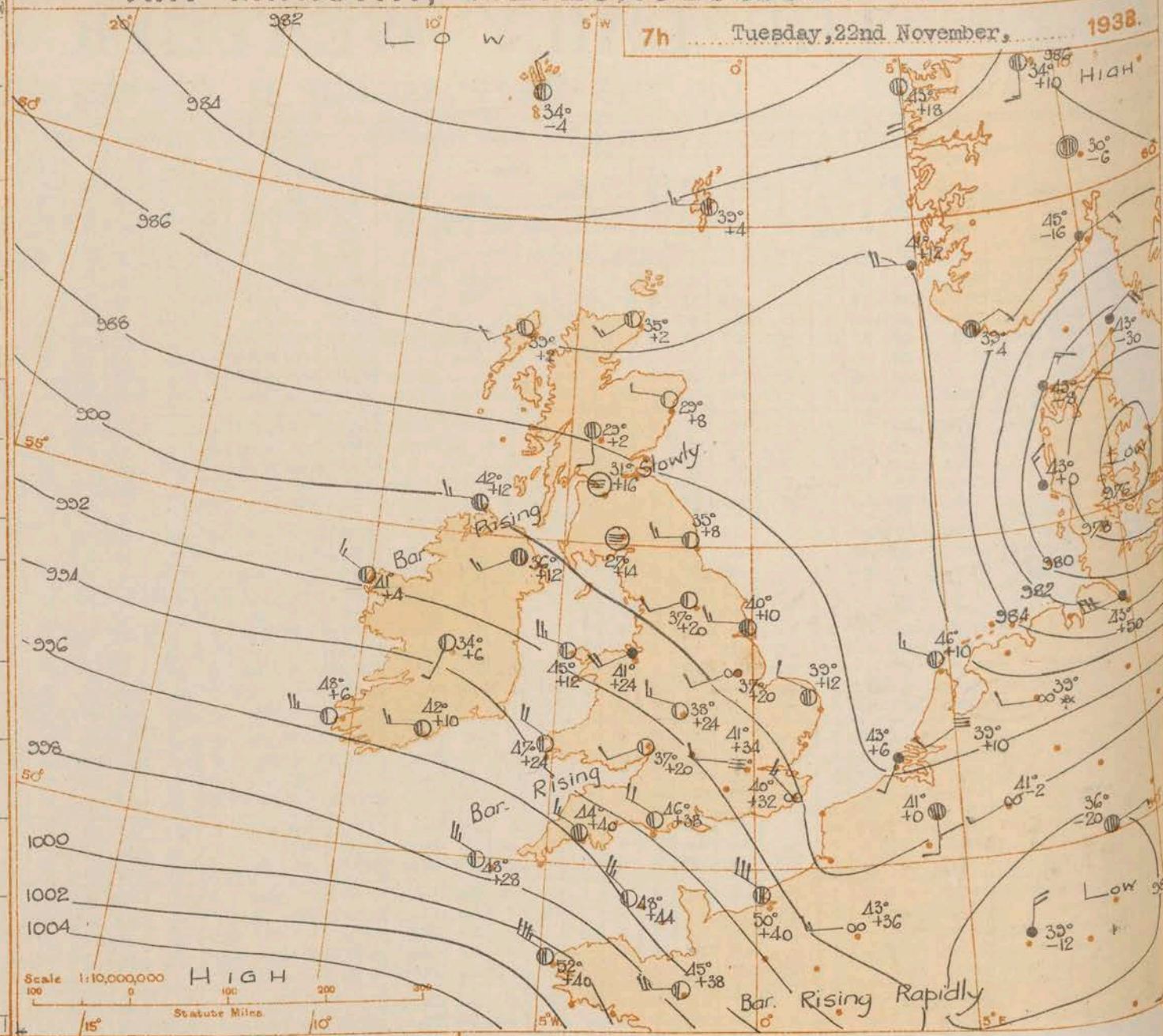
† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd November, 1938.
1 S.E. England	Wind light westerly; fine today, fog at night and in morning; cold; frost at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind light westerly becoming southeasterly tomorrow; fine today, fog at night, rain probable tomorrow; cold; frost at night.
6 South Wales	
7 North Wales	
8 N.W. England	Wind light westerly; fine apart from local showers near the west coast; local fog at night; cold; frost at night.
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	

As 5 - 7.

H.M. Stationery Office Press, Kingsway, W.C.2.

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 exceptionally low over Northwest Europe but a ridge of relatively high pressure covers the British Isles. A deepening disturbance far out on the Atlantic will affect the British Isles tomorrow. Today the weather will be mainly fair apart from local fog in the industrial areas. There will be ground frosts at night especially in the East and North.

FURTHER OUTLOOK.

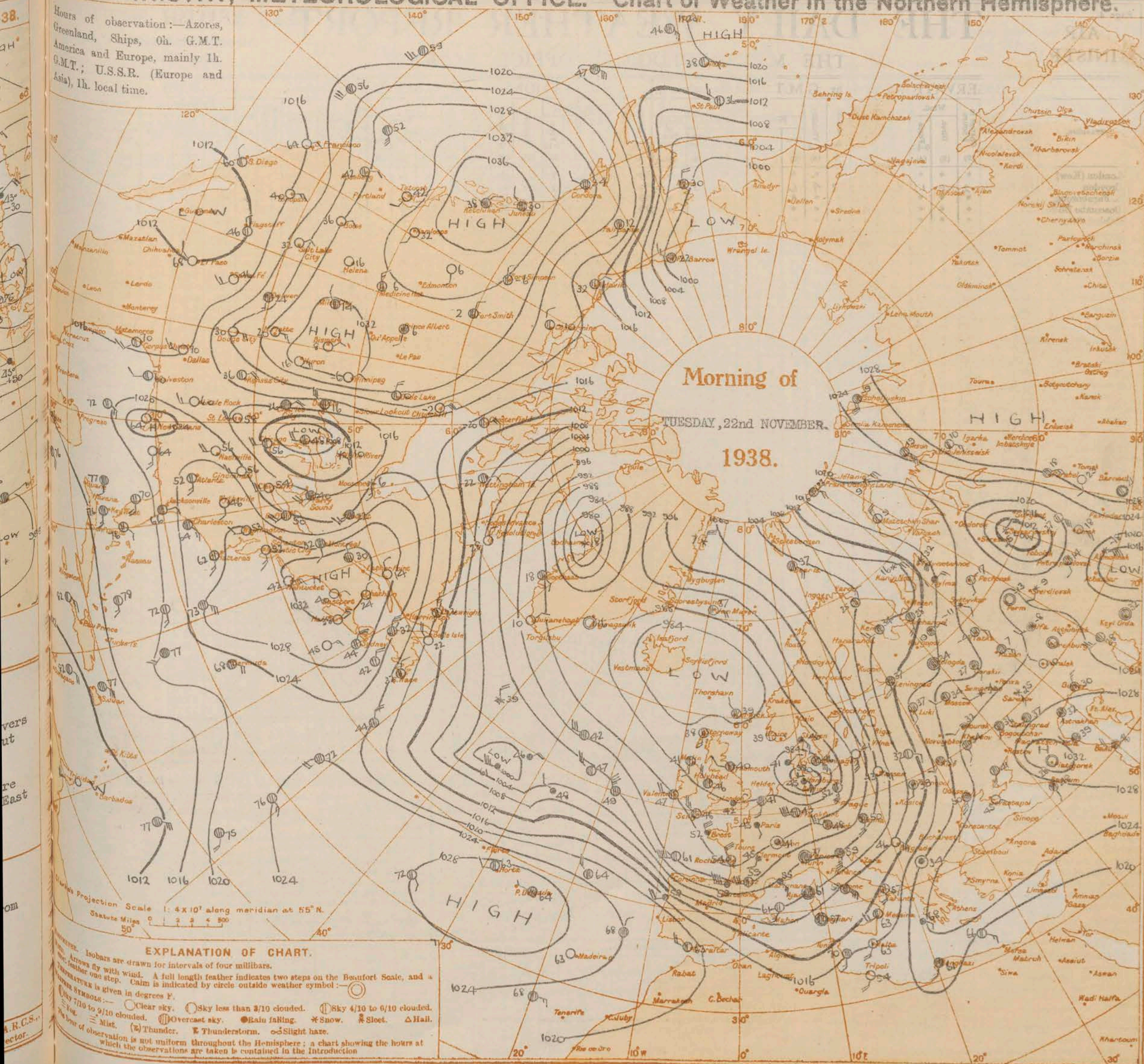
Unsettled and rather cold; rain spreading from the Southwest.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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
Tuesday 22nd November, 1958.
No. 28124

OBSERVATIONS at 1 hr. G.M.T. 22nd November.....															OBSERVATIONS at 7 hr. G.M.T. 22nd November.....															PAST 24 HOURS.									
District	STATIONS.	Height above M.S.L. in feet.	Barom. at station M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility.	Cloud.					Barom. at station M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Snow Depth 24 hr.			
					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.	
																																							Form.
(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	*	*	*	*	*	*	*	*	*	*	*	992.0	+28	W	2	Zo	41	85	5	5	-	-	9	10	2500	1	*	43	39	37	Tr	0.3	0.7				
	Croydon	217	987.6	-2	NE	1	Tofo	42	97	4	6	-	10	10	2500	991.6	+34	W/N	2	m	41	92	4	5	-	10	10	1500	1	*	47	38	36	-	2	1.1			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	992.4	+30	W/N	2	Zo	38	92	6	5	-	-	9	9	4000	1	*	47	37	34	-	1	3.8				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	993.4	+30	NW/W	3	Zo	38	97	6	5	-	4	-	2-3	4-6	2500	1	*	47	37	33	1	0.3	2.0			
	Calshot (Stamtn.)	8	*	*	*	*	*	*	*	*	*	*	*	993.5	+40	W/N	2	b	39	92	7	5	-	-	Tr	1	2500	1	!	50	39	36	1	Tr	0.0				
	Lympe	348	987.6	-10	NE/N	2	c/pr	42	92	6	5	-	9+	9+	1500	990.7	+32	NW/W	3	Zo	40	85	6	5	-	9+	9+	4000	1	\$1	46	38	35	0.6	3	0.0			
	Manston	164	986.8	-6	NNE	1	m	40	97	4	5	-	9	9	2500	989.8	+30	NNW	3	c/r	43	75	6	5	-	7-8	10	2500	1	*	48	37	29	7	0.1	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	991.2	+28	NW	1	Zo	40	92	5	5	-	-	10	10	2500	1	*	49	36	28	-	0.1	0.4				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	990.0	+20	NW/W	2	m	40	85	4	5	-	7	-	1	9	2500	0	!	47	38	32	-	-	0.8			
	Gorleston	5	987.8	-2	NNW	2	O	37	92	5	6	-	10	10	2500	989.1	+12	NW/W	2	c	39	92	5	5	-	7-6	9	2500	1	2	45	34	33	-	-	1.6			
	Mildenhall	19	987.1	-4	WSW	2	o/d	38	97	4	5	-	10	10	2500	990.2	+24	W/S	2	Zo	38	97	5	5	-	9+	9+	2500	1	*	48	31	27	-	0.2	4.9			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	989.7	+20	WSW	2	Zo	37	97	6	5	-	-	9+	9+	1500	1	*	48	35	30	-	-	2.8				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	992.0	+24	WNW	3	b	38	85	6	5	-	-	1	1	2500	1	*	45	37	33	Tr	2	.				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	992.3	+32	WNW	3	bc	38	92	7	5	-	3	-	4-6	4-6	2500	1	*	43	37	33	0.1	0.3	1.0			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	993.1	+20	SWW	2	b	37	92	8	8	-	1	Tr	1	4000	1	*	43	36	30	1	-	0.6				
5	Hardland Point	239	988.5	+16	NW	5	bc	48	75	9	3	-	4-6	4-6	1500	994.5	+26	NW	5	c	46	75	8	8	-	7-8	7-8	1500	1	4	47	44	41	5	1.5				
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	993.6	+26	-	0	bc	38	92	7	5	-	-	2-3	2-3	2500	1	*	44	37	29	2	0.4	1.5				
	Portland Bill	32	987.2	+12	NW	3	bc	47	92	8	5	-	4-6	4-6	2500	994.0	+38	NW	4	bc	46	92	8	5	-	4-6	4-6	2500	1	3	54	34	30	5	0.5				
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	996.2	+40	NW	3	c	44	85	8	8	-	-	9	9	1500	1	2	51	44	39	4	0.2	2.1				
	The Lizard	240	990.5	+16	WNW	5	bc	48	85	8	8	-	2-3	2-3	2500	997.4	+20	WNW	5	bc	46	75	8	8	-	4-6	4-6	2500	1	3	52	43	*	5	2.8				
	Scilly (St Mary's)	163	991.8	+26	NW/W	5	bc/plr	46	92	8	3	4	-	2-3	4-6	1500	997.4	+28	NW	5	bc	48	65	8	2	-	4-6	4-6	1500	1	3	52	45	*	2	1.1			
	Guernsey	175	988.5	+18	WNW	4	bc	49	75	9	2	-	4-6	4-6	1500	995.5	+44	NW	5	bc	48	65	8	2	-	4-6	4-6	1500	1	4	54	46	41	7	2	0.0			
6	Pembroke	142	988.9	+16	NW	4	bc	46	75	8	8	-	4-6	4-6	1500	993.9	+24	NW	4	bcq	47	75	8	2	-	4-6	4-6	1500	1	3	47	41	*	5	3	0.0			
7	Holyhead	26	987.5	+14	NNW	4	c	46	85	8	2	-	4-6	7-8	2500	991.0	+12	WNW	5	bc	45	85	8	2	-	4-6	4-6	2500	1	2	50	42	40	13	1	2.3			
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	991.0	+24	SW/W	4	pr	41	85	7	8	-	-	7-8	7-8	2500	1	*	46	39	34	-	5	2.2				
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	990.7	+22	-	0	cF	34	97	1	5	-	3	-	4-6	10	1500	1	*	45	31	26	-	-	4.8			
10	Spurn Head	29	986.7	0	WNW	3	m	41	85	4	-	-	0	0	-	988.7	+10	W/N	3	c	40	92	5	5	-	7-8	7-8	1500	1	!	48	39	*	Tr	Tr	3.6			
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	989.5	+20	WSW	2	bc	37	85	7	6	-	-	4-6	4-6	1500	1	*	45	33	30	-	-	1.3				
	Tynemouth	108	986.7	+4	W	2	o	40	85	7	5	-	10	10	1500	988.1	+8	W	3	bc	35	92	5	2	-	4-6	4-6	1500	1	!	44	32	32	-	0.6	1.3			
11	St Abbs Head	280	986.1	+9	WNW	2	bc	39	92	4	-	-	0	2-3	-	987.7	+12	WNW	3	bc	39	75	8	2	-	2-3	2-3	4000	1	2	43	35	*	Tr	Tr	2.9			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	987.8	+8	W	1	Zo	27	92	6	-	4	1	0	2-3	-	3	*	39	27	19	-	-	0.0				
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	989.4	+16	-	0	F	31	97	1	-	-	-	10	10	150	1	*	41	27	27	0.1	0.2	0.0				
	Iskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	990.0	+14	-	0	F	27	92	1	-	-	-	10	10	150	3	*	40	27	28	1	3	0.0				
	Point of Ayre	30	987.0	+8	N/E	3	bc	44	85	8	8	-	2-3	2-3	2500	989.8	+10	NW	5	bc	43	85	8	8	-	4-6	4-6	1500	1	2	46	37	*	4	-	0.28			
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	987.5	+6	WSW	5	c/pr	42	92	8	8	-	-	4-6	7-8	1500	31	5	46	35	30	0.3	0.3	3.4				
13B	Stornoway	80	985.1	+6	S	3	bc	38	85	8	5	-	4-6	4-6	2500	985.9	+2	SW	2	bc	39	85	8	5	-	4-6	4-6	2500	1	2	42	36	*	Tr	-	0.7			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	+2	S	2	c	29	97	7	4	6	-	7-8	9	2500	5	*	37	23	15	-	-	4.9			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	986.8	+8	WNW	1	b	29	85	6	5	7	-	Tr	1	4000	3	!	45	28	18	-	-	.				
	Wick	81	984.6	+8	SW	2	bc	33	92	8	5	7	-	2-3	2-3	1500	984.7	+2	SW	3	bc	35	92	8	8	-	2-3	4-6	1500	3	!	41	31	*	-	-	0.0		
16	Lerwick	156	983.1	+10	NW	1	bc	39	85	8	8	7	-	4-6	4-6	1500	984.1	+4	W	3	c	39	92	8	8	-	4-6	7-8	1500	1	*	45	38	*	1	-	0.0		
17	Blackod Point	18	990.0	+20	N	4	bc	44	75	8	3	-	4-6	4-6	1500	991.1	+4	NW	2	bc	41	92	8	3	-	4-6	4-6	1500	1	2	48	38	*	2	3	0.0			
18	Malin Head	84	987.0	+14	SSW	2	c/r	41	92	7	8	-	7-8	7-8	4000	988.9	+12	W	3	c	42	85	7	8	-	7-8	7-8	5700	1	3	43	37	*	0.3	3	0.0			
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	990.3	+12	SW/W	3	o	36	97	7	5	-	-	10	10	450	1	*	41	31	27	0.4	-	0.1				
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	993.2	+6	SSW	1	bc	34	97	8	-	4	-	0	2-3	-	1	*	44	32	21	0.2	-	0.1				
20	Valentia Obay.†	30	993.5	+12	W/N	4	bc	47	97	8	4	-	4-6	4-6	1500	995.6	+6	W/N	5	bc/pr	48	75	8	2	-	4-6	4-6	2500	1	3	47	42	38	3	2	0.4			
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	995.9	+10	W/N	3	bc	42	85	8	5	-	-	2-3	2-3	2500	1	2	48	40	*	1	-	.				

LONDON OBSERVATIONS												EXPLANATION OF FIGURES, LETTERS, etc.											
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.												COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.											
COLUMNS 8, 22—Code for surface visibility. Objects not visible at 55 yards!																							
COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.																							
COLUMNS 30.—Code for State of Sea.																							
COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.																							
COLUMNS 36, 37.																							
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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2

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

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

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

† Sea disturbances reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 23rd November, 1938.
No. 28125

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 22 nd November.														OBSERVATIONS at 18h. G.M.T. 22 nd November.														PAST 24 HOURS.					
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Sea.	WEATHER.					
				Direc.	Force					Form.	Amount.	Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.					Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)			State of Ground.	Sea.	7h.—18h. 22 nd	18h.—18h. 22 nd	18h.—18h. 23 rd	1h.—7h. 23 rd
(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)		
(For heights see p. 4.)																																			
1	London (Kew)	997.4	+22	W'S	3	Z	47	65	6	8	-	1	4-6	4-6	2500	998.6	+6	S	2	Z	42	85	6	5	-	-	4-6	4-6	2500	1	*	cm.bcm.	bcbbcm.	bcbbcm.	cm.crrm.
	Croydon	997.4	+24	W	3	bc	48	65	6	2	-	-	2-3	2-3	2500	999.2	+6	S	3	Z	40	85	5	-	4	1	0	2-3	-	1	*	cm.bcm.	bcbbcm.	bcm.	cm.crrm.
	S. Farnborough	997.6	+18	W	4	bc	48	65	6	1	-	-	4-6	4-6	1500	998.5	+6	S	2	c	42	92	6	-	3	0	7-8	-	1	*	cm.bbc	bcbb	bcbb	c.Rid.	
	Boscombe Down	997.6	+10	W'S	3	bc	48	75	8	8	-	-	2-3	2-3	2500	998.8	+6	SW'S	2	Z	40	92	6	5	2	-	2-3	4-6	2500	1	*	bcm.bbc	bcbbcm.	bcm.crr	crrr.crrm.
	Calshot (Stmntn.)	999.1	+22	W'S	4	bc	48	75	8	1	-	-	4-6	4-6	2500	999.6	0	SW'W	2	bc	45	85	7	5	3	-	2-3	2-3	4000	1	2	bcm.	bcbb	bcm.crr	crrr.crrm.
	Lympe	997.8	+30	W	3	b	46	75	6	1	-	-	-	-	1500	1000.6	+18	SW'W	3	b	35	75	6	-	4	0	Tr	-	1	\$ 2	cbbcm.	bcbbcm.	b.z.wc	crr.fad	
	Manston	996.3	+26	W'N	4	Z	46	75	5	5	-	-	7-8	7-8	2500	999.3	+20	SW'S	2	Z	35	85	6	-	4	0	Tr	-	1	*	cbbcm.	bcbbcm.	b.z.wc	crr.fad	
2	Shoeburyness	996.8	+22	W'N	3	bc	48	75	6	1	-	-	2-3	2-3	2500	998.3	+10	W	1	b	43	85	6	-	-	0	0	-	1	*	cbbcm.	bcbb	bwm.c	cm.crrm.	
	Felixstowe	996.6	+24	WNW	3	bc	48	75	7	1	-	-	2-3	2-3	1500	998.3	+12	SW'S	3	b	43	85	6	-	-	0	0	-	0	2	bcm.crr	bcbb	bcm.	crrr.crrm.	
	Gorleston	994.8	+18	WNW	3	c	43	85	5	5	-	-	7-8	7-8	2500	996.8	+10	SW'W	2	b	40	85	6	-	-	0	0	-	0	1	ebcm.	bcbb	b.z.zl	crrr.crrm.	
	Mildenhall	994.9	+18	W	4	bc	45	75	7	-	3	-	0	2-3	-	997.0	+6	SSW	3	b	40	85	7	-	3	0	Tr	-	1	*	cm.beb	bcbb	b.z.zl	crrr.crrm.	
	Cranwell	994.3	+18	W'S	3	Z	44	75	6	-	4	8	0	4-6	-	995.7	+6	SW	3	Z	36	92	6	5	-	Tr	Tr	2500	1	*	fmbcm.	bcbb	b.z.zl	crrr.crrm.	
3	Birmingham	996.0	+14	WSW	3	bc	45	65	7	2	-	-	4-6	4-6	4000	996.1	0	SW	2	bc	43	65	7	8	-	-	4-6	4-6	2500	1	*	bbe	bc	bce	crrr.crrm.
	Upper Heyford	997.0	+16	W'N	4	bc	47	65	8	1	4	-	2-3	2-3	4000	997.8	+2	SW	2	Z	42	85	6	5	-	-	4-6	4-6	5700	1	*	beb	bcbbcm.	bce	crrr.crrm.
4	Ross-on-Wye	997.0	+12	W'S	3	bc	50	55	3	8	-	-	4-6	4-6	4000	997.1	0	SW	2	bc	40	85	8	-	*	*	0	4-6	-	1	*	bbe	bcbbcm.	bce	crrr.crrm.
5	Hartland Point	997.1	0	W	6	c/pr	48	75	8	8	6	-	4-6	7-8	2500	997.3	0	WNW	5	c	47	85	8	8	-	-	7-8	7-8	1500	1	4	cpr	cp	r.f.o	r.f.o
	Bristol	997.7	+12	W	4	bc	47	65	8	1	-	-	2-3	2-3	2500	998.1	+4	W	2	c/r	42	92	7	3	-	1	7-8	7-8	1500	1	*	bbe	bcbb	bce	crrr.crrm.
	Portland Bill	998.1	+18	W	4	c	50	92	8	5	4	-	3	3	2500	998.2	+8	WNW	4	c	50	92	8	5	-	-	7-8	7-8	2500	1	4	bce	c	OR	OR
	Plymouth	999.3	+6	W	2	pr	49	75	6	3	-	-	9+	9+	800	999.2	0	WNW	2	bc	49	85	8	8	3	4	2-3	4-6	2500	1	2	cb,cpr	cprbc	pr.f.o	r.f.o
	The Lizard	999.6	0	W'S	5	c/pr	53	85	8	8	6	-	7-8	7-8	2500	998.9	-6	WSW	5	c	50	85	8	8	2	-	7-8	9+	1500	1	2	bcepr	cprc	crrr.crrm.	crrr.crrm.
	Scilly (St. Mary's)	999.6	+2	W'N	5	c	51	65	8	8	7	2	2-3	7-8	1500	998.6	-6	SW'W	3	c	50	85	8	8	7	-	4-6	9+	1500	1	3	p.bce	cpc	d.r.d	d.d.c
	Guernsey	1001.6	+30	W'S	4	c	52	85	9	2	3	-	4-6	7-8	2500	1000.2	-2	W'S	2	bc/pr	50	75	9	2	-	-	4-6	4-6	1500	1	4	bcepr	bcPR	cpr.r	OR
6	Pembroke	997.3	+6	WNW	3	rr	46	85	8	8	6	-	4-6	7-8	1500	995.7	+2	W'S	4	bc	49	65	8	8	2	-	4-6	4-6	1500	1	2	bcepr	cq.bce	rrm.q	RR bpr.
7	Holyhead	993.8	+4	WSW	4	c	43	65	9	2	3	-	4-6	7-8	2500	993.0	-2	W'N	4	bc	47	75	9	2	-	8	4-6	4-6	2500	1	2	bc	bce	crr.c	RR bpr.
8	Clester(Sealand)	994.6	+10	WSW	3	bc	47	65	8	2	-	-	4-6	4-6	2500	994.5	0	SE'S	2	Z	41	85	5	4	-	-	1	1	2500	1	*	bcepr	bcbb	bcm.w	bcm.w
	Manchester	994.0	+10	SSW	2	Z	43	85	5	8	-	-	4-6	4-6	2500	994.3	0	SSW	3	Z	42	75	6	5	-	-	7-8	7-8	2500	1	*	cfeof	bcbb	bcbb	crrr.crrm.
10	Spurn Head	992.7	+8	WNW	4	bff	45	75	5	-	8	-	0	Tr	-	994.7	+12	SW'W	3	b	41	85	6	-	-	-	0	0	-	1	2	ffcz	mbcw	bmw	berrq
	Catterick	992.1	+10	W'S	3	bc	45	65	8	4	-	-	2-3	4-6	2500	993.2	+6	WSW	2	b	38	85	8	5	4	-	1	1	4000	1	*	bbbe	bcbb	bcbb	macrr
	Tynemouth	991.1	+8	W	3	bc	42	75	5	2	-	-	4-6	4-6	1500	992.1	+2	WSW	2	m	40	85	4	5	-	-	2-3	2-3	1500	1	1	bc	bcbb	bcbb	bcrr
11	St. Abbs Head...	990.5	+4	WSW	3	bc	41	75	8	2	7	4	2-3	4-6	4000	990.8	0	WSW	3	bc	37	85	7	3	-	0	2-3	-	0	3	bc	bcbb	bcbb	bcrr	
12	Leuchars	993.6	+6	SW	2	Z	40	85	6	2	3	1	Tr	1	2500	990.0	+2	-	0	Z	32	97	6	4	-	-	1	1	4000	1	*	bebmx	bmox	bx.cpr	bcm.r
	Renfrew (Abbots I.)	990.8	+4	SW	2	bc	45	85	7	5	3	-	4-6	4-6	4000	991.0	+2	-	0	bff	36	92	4	3	-	-	2-3	2-3	2500	1	*	ffcf	bcepr	pr.cff	crrr.crrm.
	Eskdalemuir	991.3	+6	SW	3	c	37	85	6	5	-	-	7-8	7-8	450	991.8	-2	-	0	b	32	97	7	5	-	-	1	1	800	3	*	ofscf	cbebx	bx.bfx	bfxoss
	Point of Ayre...	992.2	+6	WNW	4	bc	48	75	8	2	-	-	2-3	2-3	4000	991.8	-2	WSW	3	bc	42	92	8	8	-	-	2-3	2-3	800	0	1	bc	bc	bce	rrq
13	Three ...	988.5	0	W'N	2	c	46	75	8	8	-	-	4-6	7-8	1500	988.3	0	SSW	1	bc/pr	35	92	8	8	-	-	4-6	4-6	1500	1	3	bcepr	bcepr	bcepr	bce
13	Stornoway	991.9	+4	SW	3	c/pr	36	85	7	4	6	-	4-6	7-8	2500	986.2	-2	SW	2	c	30	85	7	5	-	-	7-8	7-8	2500	1	1	bcepr	cpr	cprbc	bce
15	Dalwhinnie	986.1	+6	SW	2	c	36	85	7	4	6	-	4-6	7-8	2500	*	0	S	2	bc	34	85	7	4	6	-	4-6	4-6	2500	3	*	c	bc	*	c
	Aberdeen	988.2	+6	W'S	1	b	44	65	6	7	-	3	Tr	Tr	4000	989.0	+6	W'S	1	b	34	85	6	-	-	0	0	-	-	3	1	bxfb	bzx	bzx	bcezx
	Wick	986.1	+4	SW	3	bc	41	85	8	2	7	3	2-3	4-6	1500	986.0	0	SW	2	bc	35	92	8	5	7	-	2-3	2-3	1500	1	1	bc	bc	bel	lbc
	Lerwick	984.4	-2	SW	3	c/pr	41	85	8	8	7	-	4-6	7-8	1500	984.0	+2	SW	3	c/pr	40	75	8	8	7	-	4-6	7-8	800	1	*	cbe	cpr	cprphr	cpr
17	Black'sod Point	992.0	0	NW	3	bc	45	85	8	3	-	-	4-6	4-6	1500	991.5	-4	W	3	c	43	85	8	5	-	7	4-6	7-8	1500	1	2	prc	prc	rr	Rrq
18	Main Head	990.0	+4	SW	4	c/pr	43	85	8	3	-	5	4-6	7-8	4000	988.9	-6	S'W	2	c/p	40	92	7	3	4	-	7-8	7-8	4000	1	2	cprc	cprc	clbcc	crr
	Aldergrove	992.0	+4	SW'W	3	bc	41	85	8	5	3	1	4-6	4-6	1500	991.1	-6	SW'S	3	bc	38	92	8	5	-	-	4-6	4-6	1500	1	*	oxbc	cbe	bcm.bcm	crrr.crrm.
19	Birr Castle	993.9	-2	SSW	2	pr	44	85	8	2	7	-	2-3	4-6	1500	992.7	-4	SSW	1	bc	41	92	8	5	3	1	2-3	4-6	2500	1	*	bcepr	prabc	bc	bcepr
	Valentia Obsy. †	996.8	-2	W	5	bc	49	65	9	2	3	1	4-6	4-6	2500	995.3	-22	S	3	c	46	75	8	5	2	-	2-3	10	2500	1	4	bcepr	bcepr	crrc	crrc
20	Roche's Point	997.1	+6	W'N	3	bc	46	75	8	3	-	5	2-3	4-6	1500	994.6	-12	WSW	3	bc	46	85	8	5	7	-	1	4-6	1500	1	2	cprbc	bcebc	crrc	crrc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

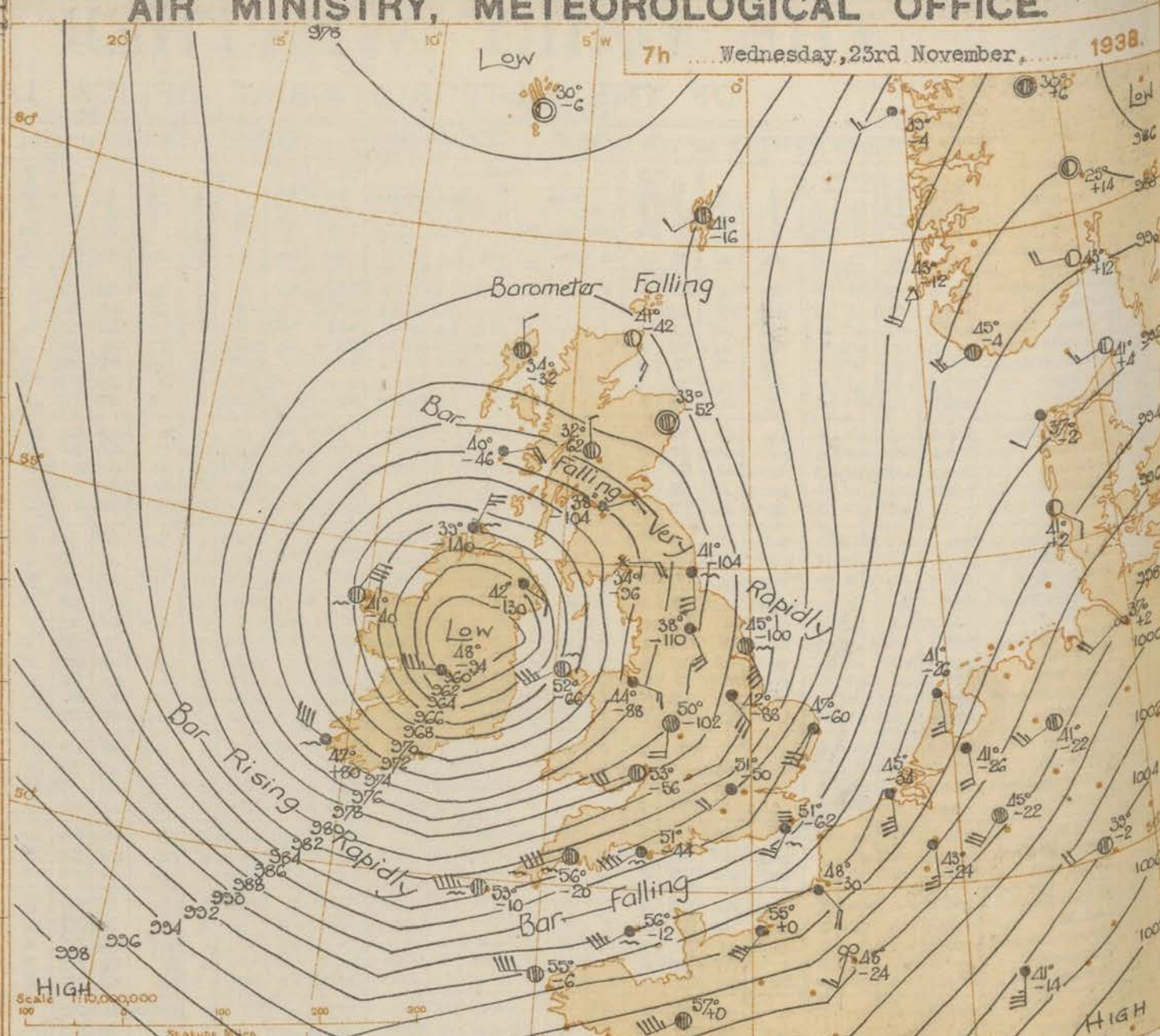
COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.		COLUMNS 9, 23.—FORM OF LOW CLOUD.		COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.		COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.	
b, blue sky (not more than a quarter covered with cloud).	q, squalls. r, rain. s, snow.	0 No low clouds.	0 No medium clouds.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.
bc, sky partly cloudy (one half covered).	rs, sleet. t, thunder.	1 Fair weather Cu.	1 Typical As (thin).	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.
c, generally cloudy.	u, ugly, threatening sky.	2 Large Cu without anvil.	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.
d, drizzle. e, wet air. g, gloom.	v, unusual visibility. w, dew.	3 Ch.	3 Single layer of Ac or high Sc.	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).
f, fog, visibility 220-1100 yds.	x, hoar frost. y, dry air.	4 Sc formed by the spreading out of Cu.	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.
fg, low fog over sea (coast station).	z, dust haze: the turbid atmosphere of dry weather.	5 Layer of St or Sc.	5 Ac in bands (increasing).	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
fg, low fog over land (inland station).	h(r), "hail" or "rain and hail."	6 Ragged low clouds of bad weather (or fractonimbus).	6 Ac formed from the spreading out of Cu.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
m, mist, visibility 1100-2200 yds.	Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain.	7 Fair weather Cu. and Sc.	7 Ac associated with As or As with parts resembling Ac.	7 Veil of Cs covering whole sky.	7 Veil of Cs covering whole sky.	7 Veil of Cs covering whole sky.	7 Veil of Cs covering whole sky.
l, hail. i, intermittent.	rr, continuous rain.	8 Large-Cu (or Ch) and Sc.	8 Ac Castellatus (or Ac in ragged fragments).	8 Cs not increasing and not covering whole sky.	8 Cs not increasing and not covering whole sky.	8 Cs not increasing and not covering whole sky.	8 Cs not increasing and not covering whole sky.
jp, precipitation within sight of station.	<, less than (for cloud height). #gale.	9 Large-Cu (or Ch) and ragged low clouds of bad weather.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Ce predominating, and a little cirrus. (Ce may occur with any of the types 1 to 8).	9 Ce predominating, and a little cirrus. (Ce may occur with any of the types 1 to 8).	9 Ce predominating, and a little cirrus. (Ce may occur with any of the types 1 to 8).	9 Ce predominating, and a little cirrus. (Ce may occur with any of the types 1 to 8).
ks, storm of drifting snow.	⊙, Solar halo. ⊙, Lunar halo. ✨, Aurora.	COLUMNS 12, 13, 26, 27.		Cloud form abbreviations:—		COLUMNS 29.—STATE OF GROUND.	
k/s, slight storm of drifting snow (generally low).	With present weather is combined, whenever possible, the general character of the weather.	Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.		Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Altostratus, -As: Stratostratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb		0 ... Ground dry.	
k/S, heavy storm of drifting snow (generally low).	A "solidus" divides actual existing weather from preceding conditions thus: —bc/r, fair weather after rain; —, has decreased; +, has increased.	Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.		1 ... " wet.		6 ... Ground covered with thawing snow.	
k/sk, slight storm of drifting snow (generally high).		An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.		2 ... " flooded.		7 ... " covered with snow, less than 6 ins., deep but ground not frozen.	
S/k, heavy storm of drifting snow (generally high).		"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.		3 ... " frozen hard and dry.		8 ... " covered with snow less than 6 ins., but ground frozen.	
KQ, line squall. l, lightning.		"9+" signifies an overcast sky with a few small openings.		4 ... " partly covered with snow or hail.		9 ... " covered with snow greater than 6 ins. deep.	
o, overcast sky. p, passing showers.				5 ... " covered with ice or glazed frost.			

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

1 See disturbance reported from Dungeness.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 21st	Max. 9h. to 17h. 21st	Night. 17h. to 9h. 21st	Day. 9h. to 17h. 21st	
1	Tunbridge W.	bb	bb	38	47	2	-	6.5
	Bournemouth	b	bcc	38	50	0.3	-	5.7
	Ventnor	rb	bb	39	50	1	-	6.6
	Southsea	b	bbe	40	49	1	-	6.6
	Bognor Regis	b	bbe	39	49	0.3	-	6.8
	Littlehampton	b	bbe	39	50	0.2	-	7.0
	Worthing	b	bbe	39	50	Trace	-	6.9
	Brighton	b	bc	39	50	1	-	7.0
	Eastbourne	b	bbe	40	49	2	-	7.0
	Hastings	bc	b	39	49	0.3	-	6.6
	Folkestone	bb	bb	40	48	6	-	4.7
	Dover	bc	bc	40	49	13	-	4.9
2	Deal	ob	b	40	46	2	-	4.8
	Ramsgate	cbe	bcc	42	47	-	-	2.8
	Margate	bc	bc	42	47	-	-	3.0
	Southend	cmb	bmb	40	49	Trace	-	5.0
	Clacton-on-Sea	bcm	bcbcc	37	46	0.4	-	4.5
	Dovercourt	bc	bc	39	46	-	-	5.2
	Lowestoft	cbeb	b	33	44	-	-	4.5
3	Skegness	mcb	bcc	34	45	Trace	-	1.0
	Mablethorpe	bcm	bcm	37	45	-	-	4.7
	Cleethorpe	cmbc	bcc	34	45	-	-	3.7
	Leamington S.	b	bcc	35	47	1	-	5.7
4	Chesterham	wbcc	bccpc	35	48	Trace	Trace	5.6
	Bath	b	bccr	37	50	1	3	5.8
5	Weymouth	b	bc	38	52	0.4	-	5.4
	Jersey	rbcc	bccp	47	54	9	Trace	5.2
	Torquay	b	bcc	40	53	1	-	7.0
	Falmouth	rbcc	bccp	43	53	1	0.4	6.4
6	Penzance	bcpb	bipc	44	54	3	2	5.7
	St. Ives	cpbc	cpbc	42	51	1	1	2.1
	Bude	cbe	bcp	44	51	2	0.2	2.8
	Ilfracombe	prbc	prbc	39	49	4	10	3.1
7	Aberystwyth	prbc	prbc	39	49	4	10	3.1
	Llandudno	bcb	bccr	40	49	3	0.2	5.6
	Colwyn Bay	bcb	bccp	38	50	3	Trace	3.4
	Rhyl	bccp	bcc	39	50	4	0.2	5.8
8	Wallasay	RHbc	bccp	40	49	9	0.3	3.2
	Southport	cpbc	bccp	35	50	3	1	3.5
	Blackpool	bc	phpc	35	48	2	0.5	2.5
	Morecambe	ocbcb	b	36	46	1	-	4.9
9	Harrogate	b	b	35	45	0.4	-	6.3
	Berwick-on-T.	bcb	b	31	41	0.3	-	6.0
10	Dunbar	bcc	bcm	32	42	-	-	4.0
	Troon	xcbc	copo	35	47	2	Trace	2.2
11	Douglas	bcc	bcc	36	47	1	-	5.8

† 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. 23rd November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd November, 1938.
1 S.E. England	Wind west to northwest strong to gale at first, slowly moderating; some showers but bright intervals; mild at first becoming colder.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind variable at first becoming fresh northwest; dull and rainy at first, sleet on high ground; cold.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Wind northerly moderate or fresh; showers of hail or snow; cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 1 - 9.
13 A.W. Scotland & N.W. Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	As 1 - 9.
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 very deep depression is centred over Ireland and will move northeastwards. Winds will reach gale force except in Scotland. The weather will remain generally unsettled with rain in all districts or snow on high ground in Scotland. Brighter conditions will spread from the Southwest during the day. After a short warm period in England the weather will be cold again in all districts.

FURTHER OUTLOOK.

Rather cold with some showers but considerable bright periods.

Time of Issue of Gale Warnings.

South Cone hoisted at 2230 on 22/11/38 in districts 5, 6 and 20, and at 0145 on 23/11/38 in districts 1, 2, 7, 8, 10, 12, 13a, 17, 18 and 19.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.

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THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 23rd November, 1938.

No. 28125

OBSERVATIONS at 1 hr. G.M.T. 23 rd November.																OBSERVATIONS at 7 hr. G.M.T. 23 rd November.																PAST 24 HOURS.							
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. (9) (10) (11) (12) (13) (14)						Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud. (23) (24) (25) (26) (27) (28)						State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE. (31) (32) (33) (34)				RAINFALL. (35) (36)		SURFACE WIND DIRECTION & FORCE.
					Form. (9) (10) (11)						Amount. (12) (13)		Height of Base. (feet). (14)	Form. (23) (24) (25)					Amount. (26) (27)						Height of Base. (feet). (28)	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)									
					Low (9)	Med. (10)					High (11)	Low 0-10 (12)		Total 0-10 (13)	Low (23)	Med. (24)			High (25)	Low 0-10 (26)													Total 0-10 (27)						
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	982.9	-60	SSW	4	r.o.	53	97	6	5	-	-	10	10	1500	1	*	47	40	32	Tr	3	4	6.2			
	Croydon ...	217	996.0	-22	SE	3	c	43	85	6	-	-	6	0	9	-	984.9	-50	SW'S	4	r.o.	51	97	6	6	2	-	9	10	1500	1	*	49	38	35	-	4	6.3	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	983.1	-42	SW'S	6	d.o.	55	97	6	5	-	-	10	10	1500	1	*	49	40	34	-	4	7.1				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	982.3	-32	SW'W	5	r.o.	55	97	6	6	2	-	9	10	1500	1	*	49	37	31	Tr	6	6.3				
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	985.9	-20	SW	7	r.p.	57	92	6	6	-	-	10	10	1500	1	4	50	43	39	-	7	6.8				
	Lympe ...	346	997.6	-20	SW'S	1	c	43	85	8	5	7	-	7.8	3+	4000	987.3	-62	SSW	5	df	51	97	1	-	-	10	10	1500	1	4	46	38	31	-	7	5.8		
	Manston ...	154	996.6	-18	SW	2	b	42	85	6	-	-	-	0	0	-	986.5	-58	SSE	5	r.o.	47	97	6	6	2	-	9	10	1500	1	4	47	38	34	Tr	3	3.9	
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	985.0	-68	SSE	5	ir.o.	49	92	5	6	2	-	9	10	800	1	*	48	42	34	-	2	4.6				
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	987.0	-54	SE'S	6	r.o.r.o.	46	97	4	5	-	-	10	10	1500	1	4	46	42	35	-	4	5.3				
	Gorleston ...	5	995.9	-12	SW	3	bl	37	85	6	-	-	-	0	0	-	986.4	-60	SSW	6	rr	47	92	5	6	-	10	10	800	1	3	44	37	34	-	5	3.0		
	Mildenhall ...	19	994.3	-22	SE	3																																	

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

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

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

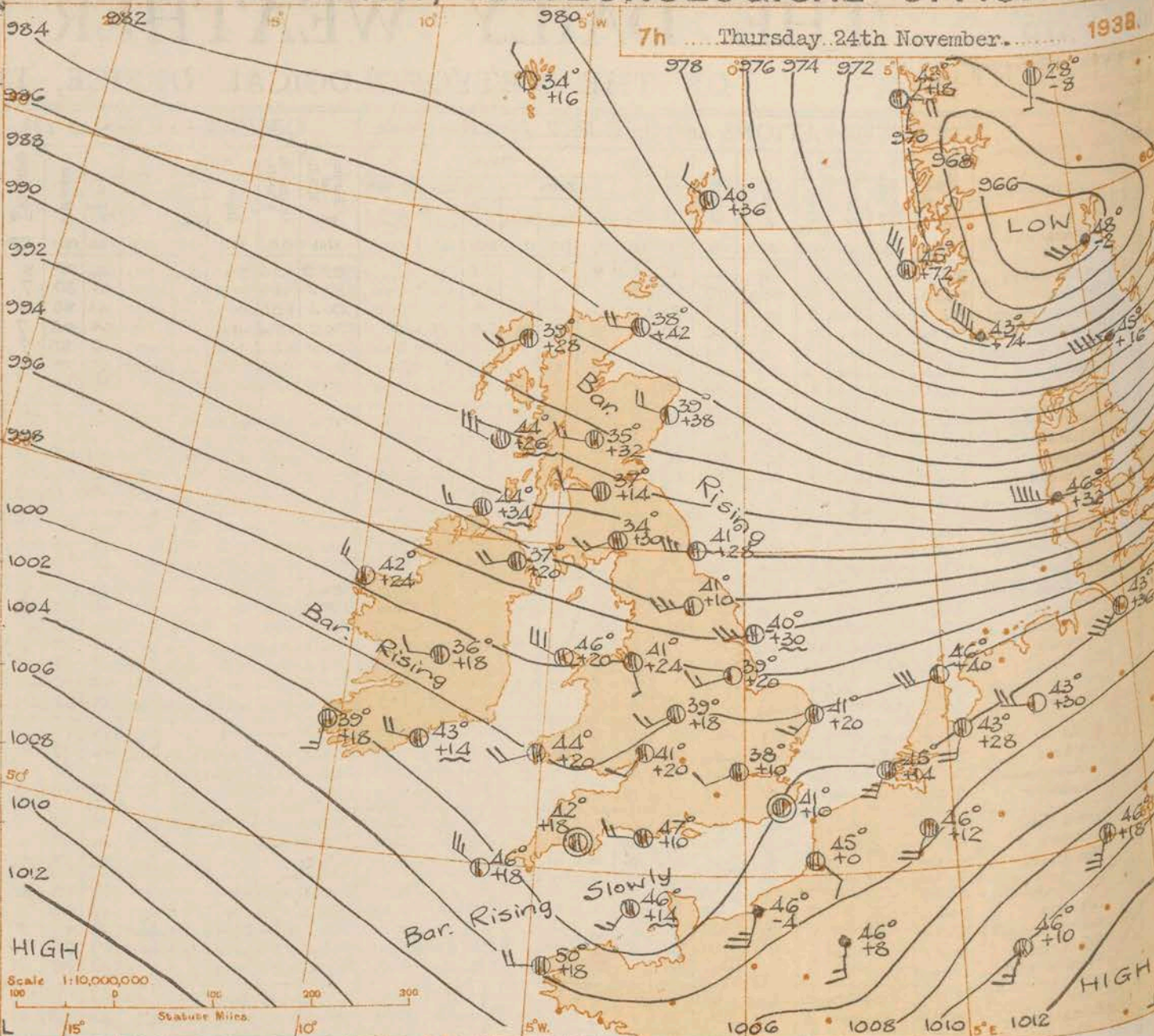
‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

‡ Sea disturbance reported from Dungeness.

Disturbance.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 23rd November														OBSERVATIONS at 18h. G.M.T. 23rd November														PAST 24 HOURS.							
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	% Humid.	Visibility 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	% Humid.	Visibility 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.											
				Dir.	Force 0-12					Low	Med.	High			Low 0-10	Total 0-10					Height of Base (feet)	Dir.	Force 0-12			Low	Med.	High	Low 0-10	Total 0-10	Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	7h.—18h. 23rd..	18h.—18h. 23rd..	18h. 23rd to 1h. 24th	1h.—7h. 24th.
(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)	321.7	+2	SW 5	7	cq	54	55	8	3	-	7-8	7-8	1500	323.5	+5.6	SW	5	bc	46	75	8	5	-	-	4-6	4-6	2500	1	*	cr, mc, bc	bc, pr, bc	bc, bc	cm, x			
	Croydon	322.3	0	SW 5	8	bcq	55	55	8	1	-	4-6	4-6	4000	323.3	+4.6	SW 5	6	bc, pr	45	85	7	3	-	-	4-6	4-6	1000	1	*	cr, mc, bc	bc, pr, bc	bc, bc	bb, cw			
	S. Farnborough	322.3	+8	SW 7	7	c	53	55	8	5	-	3	3	1500	320.4	+5.6	SW 5	5	bc, r	44	85	6	-	3	-	0	4-6	-	1	*	cr, mc, bc	bc, pr, bc	bc, bc	bm, x			
	Boscombe Down	323.4	+10	SW 8	8	c	52	65	8	8	2	7-8	9	2500	320.8	+5.4	WSW	5	rr	44	82	7	6	2	-	3+	10	1500	1	*	cr, mc, bc	bc, pr, bc	bc, bc	bm, x			
	Calshot (St. Hmtn.)	325.3	+2	SW 7	7	z	54	65	6	7	-	7-8	7-8	1500	322.4	+3.4	W 5	6	pr	45	85	7	3	-	-	3+	3+	1500	1	4	cr, pr, mc	bc, pr, bc	bc, bc	bw, bcw			
	Lympne	325.0	-2	SW 8	8	cl	52	65	7	3	-	7-8	9	1500	320.9	+4.6	SW 5	4	bc, pr	47	75	8	3	6	-	1	2-3	1500	1	5	cr, pr, mc	bc, pr, bc	bc, bc	bwc			
	Manston	323.7	+2	SW 5	8	cq	54	75	7	5	3	4-6	7-8	1500	323.5	+3.8	WSW	5	bl, r	45	85	7	5	-	-	Tr	Tr	2500	1	*	bc, mc, bc	bc, pr, bc	bc, bc	bbc, wc			
2	Shoeburyness	322.1	+4	SW 7	7	bc	53	53	7	1	6	4-6	4-6	1500	323.2	+5.4	WSW	6	b	48	75	7	-	-	-	0	0	-	1	*	ir, p, bc	bc, pr, bc	b	bc, x			
	Felixstowe	320.4	-2	SW 5	7	bc	55	55	8	5	7	2-3	4-6	1500	326.5	+4.0	SW	6	z	48	65	6	5	-	-	Tr	Tr	2500	1	5	cr, mc, bc	bc, pr, bc	b	bc, x			
	Gorleston	320.6	-2	SW 5	8	c	55	45	6	8	-	7-8	7-8	2500	322.9	+5.0	W 5	6	bc	54	65	7	2	-	-	2-3	2-3	2500	1	4	cr, mc, bc	bc, pr, bc	bc, bc	bbc, x			
	Mildenhall	325.3	-18	SW 8	8	cq	54	55	8	2	-	7-8	7-8	4000	323.7	+6.8	WSW	7	bq	46	65	8	5	-	-	Tr	Tr	4000	0	*	ir, bc, pr	cr, pr, bc	bq, bc	bbc, x			
	Cranwell	323.1	-30	SSW 3	3	c	50	65	8	5	-	3+	3+	1500	321.0	+7.4	W 5	6	bc	43	75	7	5	-	-	4-6	4-6	800	1	*	ir, bc, pr	cr, pr, bc	bc, bc	bbc			
3	Birmingham	322.3	+4	WSW 7	7	c	45	55	8	8	-	3+	3+	2500	325.7	+7.4	W 5	5	bc	42	65	8	8	-	-	2-3	2-3	2500	1	*	cr, mc, bc	bc, pr, bc	bc, bc	b, c			
4	Upper Heyford	325.2	+10	WSW 7	7	pr	45	57	7	9	6	7-8	7-8	1500	328.3	+6.6	W 5	5	b	43	75	8	5	6	-	Tr	1	2500	1	*	cr, mc, bc	bc, pr, bc	b	bc, c			
	Ross-on-Wye	328.4	+30	WSW 8	8	bcq	50	55	8	1	3	4-6	4-6	4000	325.2	+5.4	W 5	3	cl, pr	45	75	3	5	-	-	7-8	7-8	2500	1	*	cr, mc, bc	bc, pr, bc	b	bc, c			
5	Harland Point	323.2	+10	W 8	8	c	51	85	7	9	-	7-8	7-8	800	321.4	+3.2	NW 6	6	cl, pr	45	85	8	9	1	-	7-8	3	800	1	5	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	Bristol	322.1	+12	W 8	8	cl, pr	51	65	8	5	-	7-8	7-8	1500	323.4	+5.0	W 6	6	bc	45	75	7	5	-	-	2-3	2-3	1500	1	*	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	Portland Bill	325.0	+10	WSW 8	8	c	52	92	7	5	-	7-8	7-8	2500	321.8	+5.0	W 7	7	c	51	92	7	5	-	-	7-8	3	2500	1	6	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	Plymouth	328.1	+30	W 8	8	bcq	50	75	8	3	-	4-6	4-6	1600	324.1	+4.4	W 7	7	pr	45	75	8	9	-	-	4-6	4-6	1500	1	4	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	The Lizard	323.7	+2.8	SW 7	7	cl, pr	50	85	7	8	-	7-8	7-8	2500	324.6	+2.4	W 5	6	c	45	75	8	8	-	-	7-8	7-8	2500	1	4	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	Scilly (St. Mary's)	323.9	+2.6	W 8	8	cl, pr	52	75	7	8	6	7-8	3+	1500	324.9	+3.0	W 6	6	ir	45	75	8	8	7	-	7-8	10	1500	1	5	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
	Guernsey	321.5	+2	WSW 7	7	cq	55	65	6	8	-	7-8	7-8	1500	326.2	+2.6	WSW 6	6	bc, pr	51	65	8	2	-	-	2-3	2-3	1500	1	5	cr, mc, bc	bc, pr, bc	bc, bc	cr, r			
6	Pembroke	320.2	+6.4	WNW 3	3	cq	50	92	7	3	-	7-8	7-8	1500	320.5	+4.0	WNW 6	6	cq	48	97	7	8	-	-	7-8	7-8	1500	1	4	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
7	Holyhead	325.5	+8.8	WNW 3	3	cl, pr	46	75	8	8	-	7-8	3+	1500	324.9	+6.2	WNW 7	7	bc	46	75	8	2	-	-	4-6	4-6	1500	1	4	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
8	Chester (Sealand)	327.3	+3.2	SSW 6	6	pr	46	85	6	3	-	3+	3+	1500	324.1	+8.6	SW 5	5	c	45	75	7	3	-	-	7-8	7-8	4000	1	*	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
	Manchester	325.5	+6	WSW 6	6	rr	48	85	7	6	2	7-8	10	800	321.2	+3.0	W 6	6	ir	45	75	7	3	2	-	7-8	10	800	1	*	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
10	Spurn Head	324.4	-6.0	SW 3	3	cq	51	65	6	3	-	3+	3+	1500	323.3	+4.4	W 8	8	cq	45	75	7	3	-	-	7-8	7-8	1500	1	5	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
	Catterick	325.5	-5.2	SW 6	6	bc, r	50	75	8	5	4	4-6	4-6	2500	325.8	+1.2	WNW 5	5	bc, d	41	65	8	6	-	-	2-3	2-3	800	1	*	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
	Tynemouth	325.8	-8.0	S 6	6	ir	44	85	6	6	-	3+	3+	1500	320.3	+5.0	W 6	6	o	40	75	7	5	-	-	10	10	1500	1	3	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
11	St. Abbs Head	325.7	-4.0	WNW 3	3	rr	42	92	7	3	2	7-8	10	800	323.8	+6.0	WNW 7	7	cl, r	40	75	8	3	2	-	7-8	10	800	1	4	cr, mc, bc	bc, pr, bc	bc, bc	q, ir			
12	Leuchars	320.6	-5.2	N 3	3	ir	39	92	7	5	2	7-8	10	800	320.6																						

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min. 9h. 22nd to 9h. 23rd	Max. 9h. 17h. 22nd to 9h. 23rd	Night. 17h. 22nd to 9h. 23rd	Day. 9h. 17h. 22nd to 9h. 23rd	
1	Tunbridge W.	loc	cbcc	33	56	7	-	0.8
	Bournemouth	c	co	41	55	10	-	3.0
	Ventnor	npoc	cpcu	38	56	9	2	1.2
	Southsea	pc	bcpo	43	55	7	1	1.0
	Bognor Regis	ooc	cbcc	40	56	9	0.3	0.2
	Littlehampton	ocpb	bcpb	40	57	9	0.5	1.2
	Worthing	cig	bcig	41	55	9	0.5	0.5
	Brighton	rr	rbc	42	57	11	1	0.3
	Eastbourne	oipo	oipb	47	57	10	2	0.1
	Hastings	ogre	cpcb	44	57	9	2	0.4
	Folkestone	oirc	coro	40	57	6	2	0.0
	Dover	orber	rbc	41	58	4	2	0.1
	Deal	ddbc	edco	39	57	5	0.3	1.8
	Ramsgate	rtbc	bc	41	57	3	Trace	1.5
	Margate	cbe	bc	41	58	3	-	2.2
2	Southend	cig	cig	40	57	3	0.3	1.9
	Clacton-on-Sea	icbc	bcpb	38	56	5	0.6	1.4
	Dovercourt	bc	bcp	49	55	4	Trace	3.7
	Lowestoft	cbcb	bc	38	57	6	-	3.0
	Skagness	ocbc	bcb	35	54	6	-	1.2
	Mablethorpe	orbcp	op	36	54	6	0.3	0.6
	Cleethorpe	ccg	bcg	35	52	7	0.5	0.7
3	Leamington S.	opc	cbc	36	52	8	Trace	2.2
4	Cheltenham	cpac	crbc	40	55	5	0.3	1.6
5	Bath	gcbe	bcbp	40	54	7	2	1.0
	Weymouth	gc	pcc	46	55	11	0.1	0.0
	Jersey	rcpc	crpc	50	57	11	0.5	0.1
	Torquay	bcg	bcg	43	55	7	2	2.8
	Falmouth	gcbr	bcrb	44	52	6	2	2.1
	Penzance	qiphr	qiphr	46	53	8	4	2.2
	St. Ives	cgo	cbcg	47	54	5	0.2	2.1
	Bude	irc	coipo	46	53	7	0.5	0.5
6	Aberystwyth	cprhc	c	45	50	6	2	0.6
7	Llandudno	qirc	rcrhc	41	53	5	1	0.3
	Colwyn Bay	rbcc	prbcb	40	52	8	5	0.0
	Rhyl	cqpr	cprh	40	53	8	7	0.5
8	Wallasey	irbce	corc	40	52	8	2	0.8
	Southport	rcp	rcp	39	52	9	5	0.0
	Blackpool	oirap	php	39	51	6	6	0.2
	Morecambe							
9	Ilkley	roro	roro	36	49	41	9	0.0
	Harrogate	cgr	rcrbg	35	47	9	1	0.0
10	Berwick-on-T.	oirrr	irrr	31	43	5	5	0.0
11	Dunbar	crr	crr	34	43	6	6	0.0
12	Troon	opopo	ococp	35	45	7	1	0.0
	Douglas	cir	cig	40	49	13	1	0.3

† 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 November, 1938.

1 S.E. England	Wind west light or moderate. Fair apart from patches of fog.
2 E. England	Rather cold; frost at night.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind west to southwest, moderate or fresh becoming strong tomorrow. Bright periods but some local showers to-day. More general rain tomorrow; rather cold.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Wind west moderate. Bright periods but some local showers of sleet or hail. Rather cold; frost at night.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. 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	

As 5 - 8.

H.M. Stationery Office Press, Kingsway, W.C.2.

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 relatively high pressure covers the British Isles. To-day weather will be rather cold and bright apart from a few local showers of hail or sleet chiefly in coastal districts in the West and North. A depression forming on the Atlantic will cause a renewal of unsettled conditions tomorrow.

FURTHER OUTLOOK.

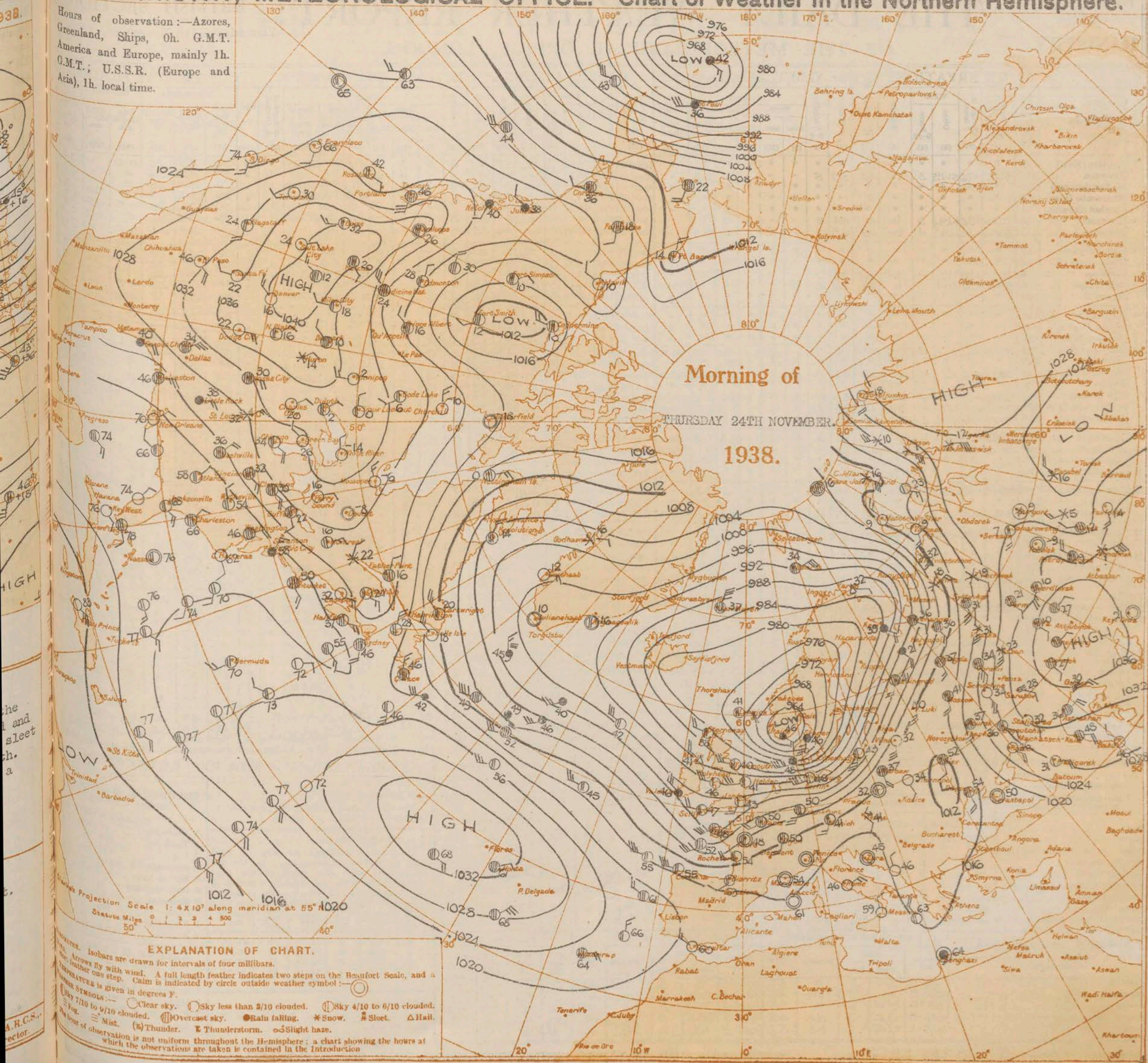
Rain and strong winds spreading from the West.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.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

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 24th November, 1938.

No. 28126

OBSERVATIONS at 1 hr. G.M.T. 24th November.														OBSERVATIONS at 7 hr. G.M.T. 24th November.														PAST 24 HOURS.											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.			
					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.	24h mm.	
											Low	Med.	High	Low	Total										Low	Med.	High	Low											Total
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1000.5	+12	SSW	2	Z	37	92	6	5	-	8	2.3	9+	2500	1	*	56	37	26	0.3	-	3.1				
	Croydon	217	998.2	+26	SW	3	bc	43	85	8	-	-	1	0	2.3	-	1001.3	+10	SW	2	c	38	92	7	5	-	4	6	0	7.8	1	*	57	38	34	4	0.1	2.9	
	S. Farborough	228	*	*	*	*	*	*	*	*	*	*	*	1001.0	+12	-	0	c	37	92	7	5	-	4	6	0	7.8	1	*	56	36	29	2	0.1	2.2				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1001.5	+8	-	0	c	35	97	8	5	-	4	6	0	7.8	1	*	56	34	27	4	Tr	1.6				
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1001.5	+10	NW	1	c	42	85	7	-	7	0	10	-	-	1	0	57	41	36	0.5	0.2	0.9				
	Lymington	346	999.6	+32	WSW	3	b	41	85	8	-	-	3	0	1	-	1002.2	+10	-	0	c	41	85	8	5	-	3	2.3	9+	5700	1	§1	56	39	31	2	0.3	2.4	
	Manston	154	998.0	+30	WSW	4	bc	42	85	7	-	-	7	-	0	2.3	-	1001.5	+10	SW	1	c	40	85	8	-	7	-	0	7.8	-	1	*	57	38	34	-	-	0.8
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1001.5	+12	-	0	Z	40	85	5	-	-	6	0	10	-	1	*	58	39	28	0.4	-	1.5				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1000.4	+12	SW	3	Z	42	85	6	5	-	7	8	2.3	4.6	4000	1	3	57	41	35	1	-	3.4			
	Gorleston	5	994.7	+48	W	4	b	39	92	7	-	-	-	0	0	-	999.9	+20	SW	3	c	41	75	7	4	-	1	2.3	4.6	2500	1	2	57	38	36	1	-	4.1	
	Mildenhall	19	995.4	+38	SW	5	b	41	85	8	5	-	-	1	1	4000	999.5	+18	SW	3	bc	37	85	8	5	-	1	2.3	4.6	4000	0	*	58	36	29	0.2	-	0.6	
	Granwell	240	*	*	*	*	*	*	*	*	*	*	*	998.0	+20	WSW	3	bc	39	85	7	5	-	3	4.6	4.6	2500	1	*	54	36	32	0.6	-	0.6				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1000.0	+18	SW	3	c	39	85	8	-	7	-	0	9	-	1	*	52	37	33	0.1	-	0.5				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1000.7	+8	SW	3	b	34	92	8	5	-	4	1	Tr	1	1500	1	*	55	33	29	1	-	1.8			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1000.5	+20	SW	2	c	41	75	8	5	-	-	9+	9+	2500	1	*	56	41	35	0.1	-	0.5				
5	Hartland Point	299	997.8	+22	NW	5	p/hr	45	75	7	-	2	-	10	10	800	1000.7	+14	NW	3	c	45	85	8	6	-	7.8	10	800	1	3	53	40	39	2	7	0.5		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1000.9	+14	W	2	bc	38	92	8	5	-	4	1	4.6	4.6	2500	1	*	55	38	33	0.6	-	1.3			
	Portland Bill	32	998.4	+14	W	4	c	50	92	8	5	-	-	7.8	7.8	2500	1000.4	+10	W	3	c	47	92	8	5	-	2	-	7.8	10	2500	1	3	54	46	*	2	1.4	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1001.8	+18	-	0	Z	42	92	6	8	-	-	9	9	1500	1	2	56	41	36	Tr	Tr	3.1				
	The Lizard	240	999.0	+2	W	4	bc	47	85	8	8	-	1	4.6	4.6	2500	1001.3	+30	W	5	bc	47	75	8	8	-	4.6	4.6	1500	1	3	56	45	*	1	2.1			
	Scilly (St. Mary's)	163	998.5	+4	W	4	bc	47	75	8	8	4	-	2.3	4.6	1500	1002.2	+18	NW	5	bc	46	75	8	7	-	4.6	4.6	1500	1	3	53	43	*	3	1	1.5		
	Guernsey	175	1000.4	+14	WSW	2	c	48	75	9	8	-	-	10	10	2500	1001.5	+14	SW	3	c/pr	46	85	7	8	-	-	10	10	2500	1	4	57	46	39	1	-	0.5	
6	Pembroke	142	996.9	+10	WN	5	c	48	75	8	4	2	-	2.3	7.8	1500	1000.1	+20	WSW	4	c	44	97	8	8	2	-	4.6	7.8	1500	1	3	53	40	*	4	0.0		
7	Holyhead	26	993.2	+26	W	6	b	46	65	8	2	-	-	1	1	2500	997.0	+20	WNW	6	bcl	46	75	8	2	-	6	4.6	4.6	4000	1	3	52	43	42	1	Tr	0.1	
	Heater (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	997.9	+24	SSE	1	c	41	75	8	6	-	-	4.6	7.8	2500	1	*	51	39	39	7	0.5	0.0		
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	*	997.7	+30	SSW	3	pr	39	75	6	8	-	-	9+	9+	1500	1	*	51	37	29	6	-	0.0		
10	Spurn Head	29	990.8	+42	W	5	bcq	41	85	7	-	4	-	0	2.3	-	996.2	+30	W	5	bcq	40	85	7	5	-	4	4.6	4.6	2500	1	4	52	39	*	1	Tr	0.7	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	*	992.8	+10	W	5	bc	41	75	8	5	-	4	-	2.3	4.6	1500	1	*	50	38	35	7	0.3	1.1	
	Tynemouth	108	985.1	+40	W	6	bcq	40	75	8	2	-	-	2.3	2.3	1500	991.9	+28	W	5	bc	41	75	8	2	-	2.3	2.3	2500	1	2	49	37	35	4	0.1	-		
11	St. Abbs Head	280	981.1	+28	WNW	7	bcq	40	75	9	-	3	-	0	2.3	-	989.8	+32	WSW	5	bcq	38	85	9	7	6	-	2.3	4.6	2500	0	3	(42)	36	*	17	-	0.0	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	988.0	+28	W	2	bc	37	85	7	8	-	3	2.3	2.3	1500	1	*	42	35	31	9	0.1	0.0		
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	990.8	+14	W	2	c/pr	37	97	7	-	2	-	0	9	-	1	*	41	36	31	9	4	0.1		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	992.8	+30	WSW	3	c/rs	34	97	8	5	-	6	9	9+	800	1	*	40	33	32	13	7	0.4		
	Point of Ayre	30	989.3	+22	WNW	6	bc	42	75	8	4	-	-	2.3	2.3	1500	995.0	+16	WNW	6	c	43	75	8	7	-	7.8	9	1500	0	4	49	41	*	5	-	0.0		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	990.3	+28	WNW	6	c	44	85	8	8	-	-	7.8												

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

(Ce may occur with any of the types 1 to 8).

Cloud form abbreviations:—					(Cc may occur with any of the types 1 to 8).				
Cirrus,—Ci:	Cirrocumulus,—Cc:	Cirrostratus,—Cs:	Alto cumulus,—Ac:	Altostratus,—As:					
Stratocumulus,—Sc:	Stratus,—St:	Nimbostratus,—Ns:	Cumulus,—Cu:	Cumulonimbus,—Cb:					

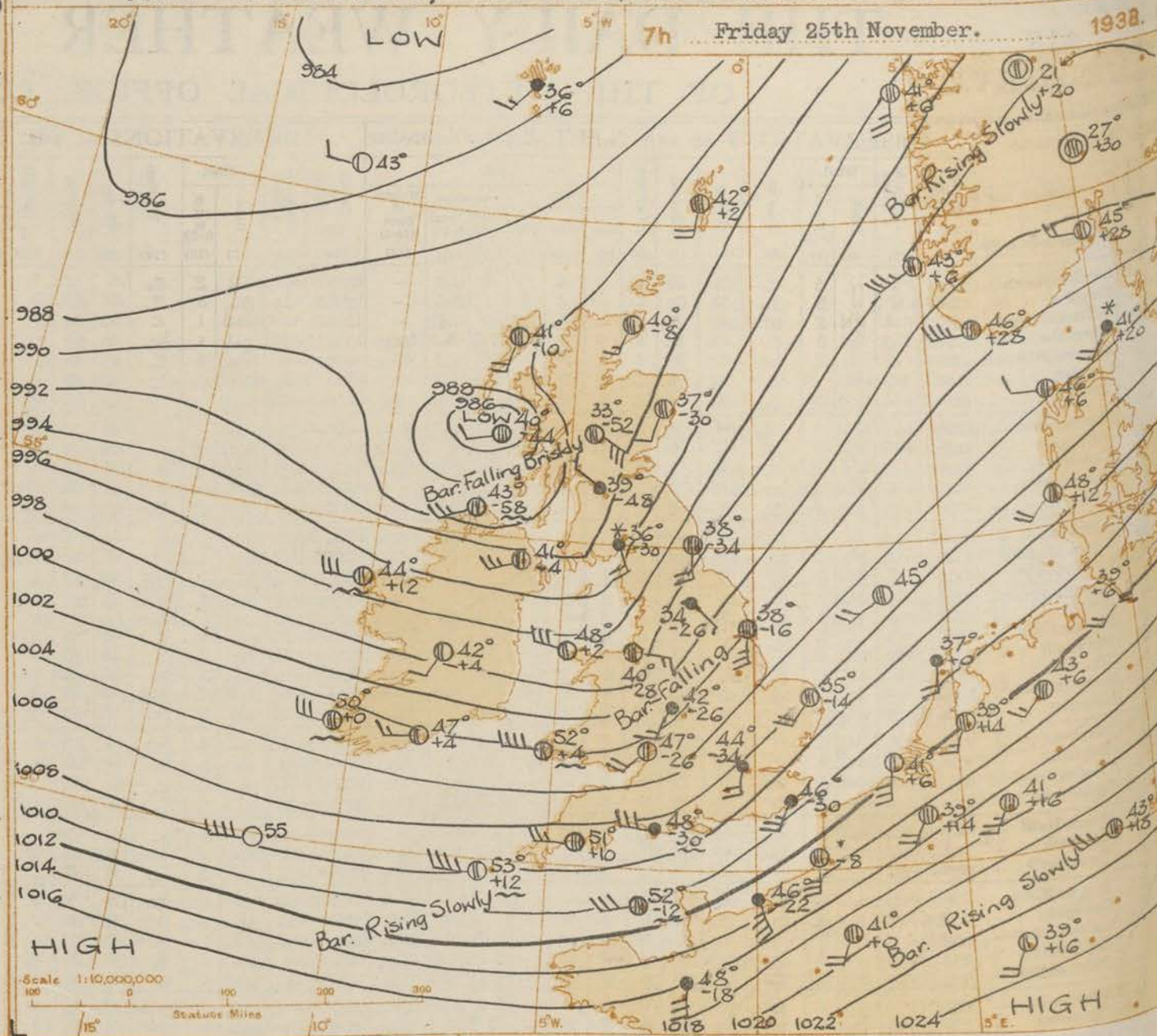
The accuracy of individual entries in this report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2

REPORTS from HEALTH RESORTS for 24th November, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 23rd to 9h. 24th.	Max. 9h. 17h. 24th.	Night 17h. 23rd to 9h. 24th.	Day 9h. 17h. 24th.	
1	Tunbridge W.	cbe	bbbc	34	47	Trace	—	3.6
	Bournemouth	bc	bbcc	37	43	—	—	4.5
	Ventnor	ncb	bbcu	43	50	—	—	3.3
	Southsea	cbe	bbcc	41	48	0.6	—	4.1
	Bognor Regis	cbe	bc	40	49	—	—	3.7
	Littlehampton	cbe	bc	38	50	—	—	3.6
	Worthing	c	bbcc	40	49	—	—	3.0
	Brighton	cbe	bc	42	49	—	—	2.1
	Eastbourne	o	bbcb	41	50	11	—	0.8
	Hastings	cbe	bc	42	49	2	—	0.9
	Folkestone	m.o	cc	41	48	Trace	—	0.1
	Dover	cc	cbe	42	49	—	—	0.1
2	Deal	fo	cco	40	48	—	—	0.2
	Ramsgate	c	c	42	48	—	—	0.1
	Margate	c	cbe	41	48	Trace	—	0.6
	Southend	c	cbm	41	47	Trace	—	0.3
	Clacton-on-Sea	cbe	bcm	40	46	—	—	1.8
	Dovercourt	gbc	bc	36	49	Trace	—	2.6
	Lowestoft	cbcb	bc	36	47	—	—	1.1
3	Skegness	ccbc	bc	35	47	—	—	0.0
	Mablethorpe	bcbe	bcm	33	47	—	—	1.2
	Cleethorpe	c	bc	37	50	—	—	1.4
	Leamington S.	bc	c	37	47	—	—	3.8
4	Cheltenham	ccbc	bc	39	47	Trace	—	3.7
	Bath	ccbc	bc	37	49	0.3	0.3	4.1
5	Weymouth	b	bc	38	50	0.3	Trace	5.0
	Jersey	ccbc	bc	44	52	3	13	0.4
	Torquay	wbc	bc	37	51	Trace	—	4.3
	Falmouth	rcvr	bc	41	48	2	3	0.8
	Penzance	cphr	cp	42	49	2	3	0.9
	St. Ives	ccbc	cp	41	49	3	1	1.1
	Bude	ccbc	cp	40	48	7	0.2	2.9
6	Ilfracombe	ccbc	cp	41	48	—	—	3.5
	Aberystwyth	ccbc	cp	41	48	0.5	—	4.9
7	Llandudno	ccbc	bc	38	47	3	—	2.0
	Colwyn Bay	ccbc	bc	40	48	0.6	—	4.5
	Rhyl	ccbc	bc	41	48	—	—	3.2
8	Wallasey	ccbc	bc	41	48	1	0.5	3.2
	Southport	ccbc	bc	41	48	1	0.1	3.2
	Blackpool	cph	bc	40	48	2	1	3.2
	Morecambe	ccbc	bc	36	45	2	1	2.6
9	Ilkley	ccbc	bc	36	42	—	—	2.5
	Harrogate	ccbc	bc	36	41	—	—	0.3
10	Berwick-on-T.	ccbc	bc	36	41	Trace	—	0.3
	Dunbar	ccbc	bc	36	41	6	1	0.3
11	Troon	ccbc	bc	36	46	—	—	0.3
	Douglas	ccbc	bc	35	47	0.5	—	3.2

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. 25th November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th November, 1938.
1 S.E. England	Wind fresh or strong westerly. Showers perhaps with thunder locally. Bright intervals. Rather cold.
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	Wind westerly fresh or strong, showers of hail or rain or snow on high ground. Bright intervals. Cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl ^d 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	

As 1 - 9.

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 trough of low pressure is passing rapidly across the British Isles and there are indications of another on the Atlantic. There will be strong westerly winds with occasional rain or showers, but bright intervals. It will be rather cold.

FURTHER OUTLOOK.

Unsettled with westerly winds.

Times of Issue of Gale Warnings.

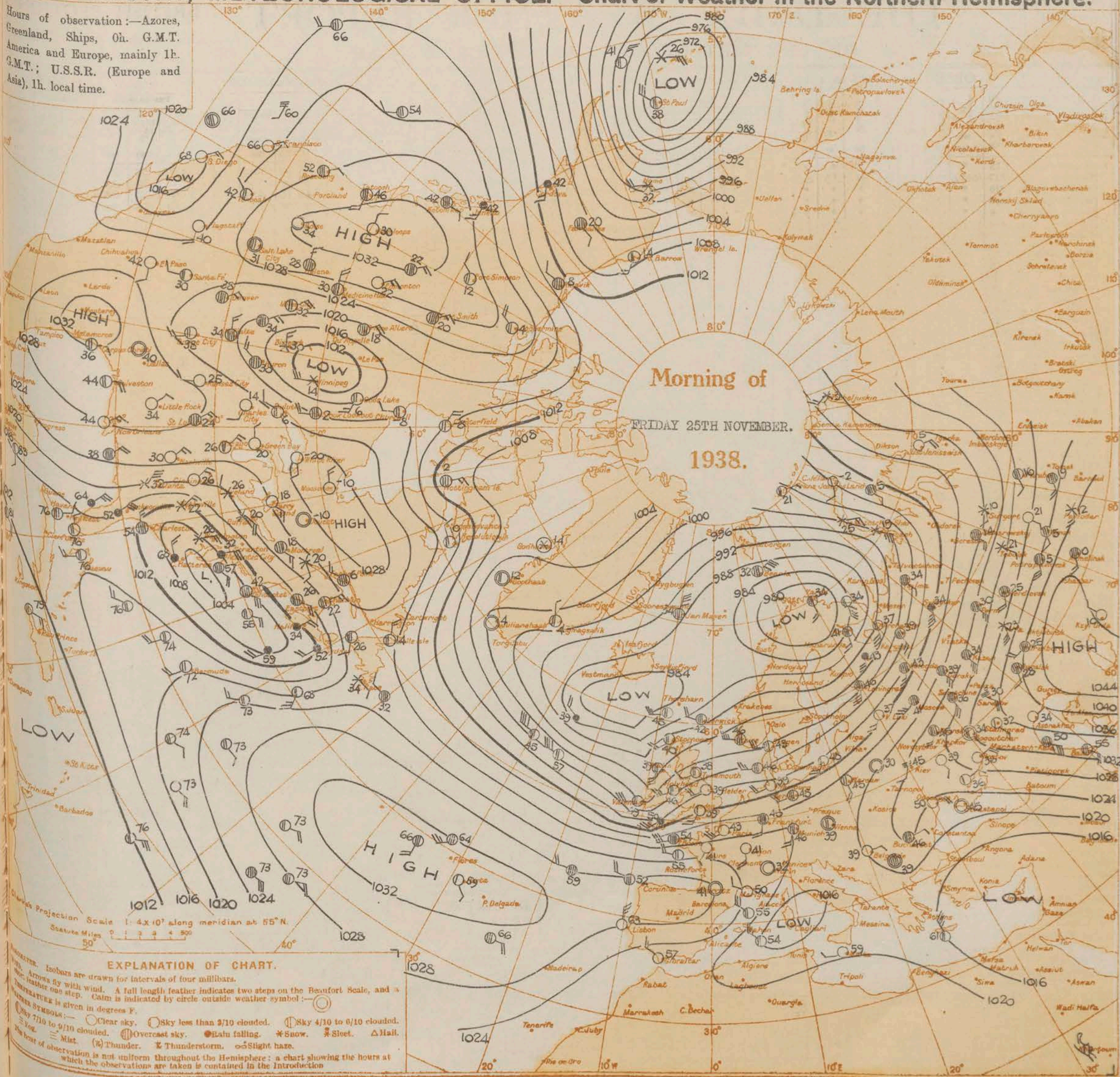
- South Cone hoisted at 1925 on 24/11/38 in districts 13, 17, 18 and 20.
- South Cone hoisted at 0145 on 25/11/38 in districts 5, 6 and 19, and at 0500 in district 1 and part of 2.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.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.

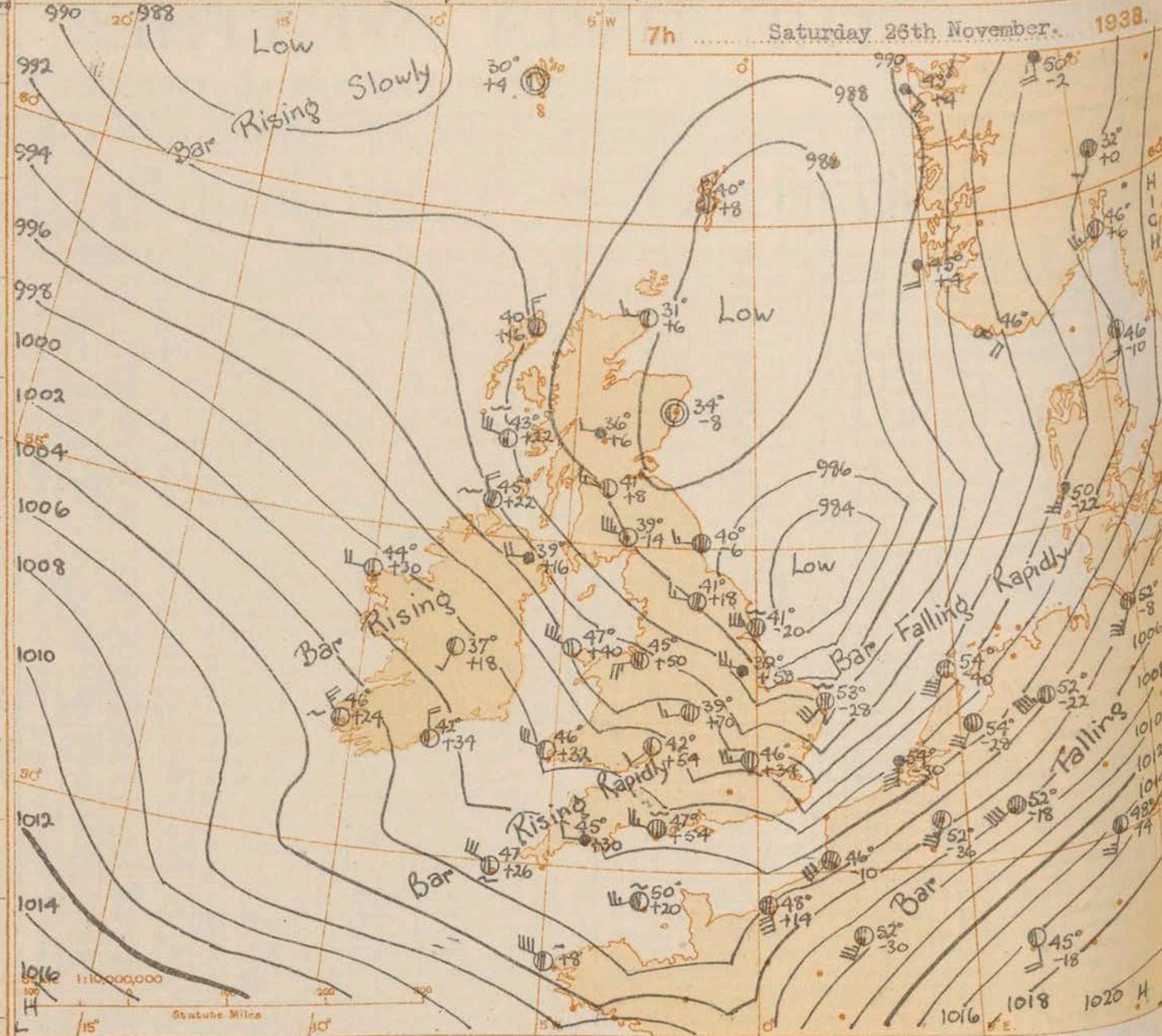
OBSERVATIONS at 1 hr. G.M.T. 25th November														OBSERVATIONS at 7 hr. G.M.T. 25th November														PAST 24 HOURS.							
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sunshine in Hrs.			
					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.				
																																	Low.	Med.	High.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1005.1	-40	S	3	c/r	44	92	6	5	2	-	9	10	1500	1	*	47	36	29	-	1	3.7	
	Croydon	217	1010.8	+10	SW	3	b	39	85	7	-	4	1	1006.8	-34	S	4	r/r	44	92	7	6	2	-	2.3	10	2500	1	*	43	36	32	-	1	4.0
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	1004.8	-36	SSW	3	c/r	46	92	7	6	2	-	7.8	10	450	1	*	49	33	28	-	2	4.9	
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1005.1	-22	SW	3	c/r	45	97	7	5	2	-	4.6	7.8	1500	1	*	48	34	30	-	5	4.3	
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	1007.1	-34	WSW	4	ir	49	92	8	8	3	-	7.8	9	1500	1	3	49	38	34	-	1	0.5	
	Lymington	346	1012.2	+10	WS	3	b	38	85	7	5	-	1	1009.7	-30	SSW	5	r/r	46	86	7	5	2	-	9	10	1500	1	3.3	45	35	31	-	1	0.7
	Manston	154	1011.3	+14	SW	3	c	38	85	7	5	-	7.8	1009.1	-22	S	3	ir	42	85	6	6	2	-	2.3	10	1500	1	*	47	35	30	-	0.3	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1007.5	-30	S	4	r/r	44	85	6	6	2	-	7.8	10	800	1	*	47	40	29	-	1	0.3	
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1008.1	-22	SW	3	r/r	44	75	7	5	-	-	10	10	4000	1	2	49	39	34	-	0.1	2.4	
	Gorleston	5	1009.0	+8	SW	2	bcl	37	85	6	-	4	-	1007.3	-14	SW	4	c	35	92	6	5	-	-	7.8	7.8	2500	1	2	47	35	33	-	1	0.6
	Mildenhall	19	1008.9	+8	SSW	3	bc	37	92	7	-	2	0	1005.5	-26	SSE	4	rr	39	92	6	6	2	-	4.6	10	1500	1	*	49	35	29	-	1	3.5
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	1002.9	-28	S	3	c/pr	36	97	6	5	-	-	3+	9+	2500	1	*	46	33	28	-	0.2	*	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1002.2	-26	SSW	3	ir	42	92	8	6	7	-	4.6	9+	800	1	*	46	34	31	-	0.2	4.0	
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	1004.1	-30	SW	2	c	42	97	7	5	7	-	7.8	9	1500	1	*	48	34	29	-	0.4	3.2	
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1002.3	-26	SW	4	bc	47	85	7	2	1	-	1	2.3	2500	1	*	47	35	28	-	2	1.2	
4	Hartland Point	299	1007.4	-18	NW	5	c	49	75	8	8	6	-	1003.9	+8	WNW	6	c	52	85	8	9	2	-	7.8	9	1500	1	4	48	41	37	3	3.6	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	1004.0	-20	SW	5	bc	46	92	8	5	1	8	2.3	4.6	1500	1	*	48	37	33	0.4	3	*	
	Portland Bill	32	1010.5	+14	W	5	c	47	92	8	5	-	7.8	1006.6	-30	W	6	RR	48	92	7	5	-	-	10	10	1500	1	4	52	46	*	5	1.9	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	1007.3	+10	W	5	c	51	85	8	5	-	-	9+	9+	1500	1	2	49	44	37	1	1.9		
	The Lizard	240	1008.9	-20	SW	6	pr	50	85	7	5	-	10	1007.9	+8	WSW	7	c	53	85	7	8	-	-	7.8	7.8	2500	1	1	48	45	*	4	1.4	
	Scilly (St. Mary's)	163	1003.0	-30	SW	7	ir	50	92	6	9	2	-	1007.3	+12	W	7	bc	53	85	7	3	6	-	2.3	2.3	1500	1	5	48	44	*	2	0.3	
	Guernsey	175	1013.4	+6	SW	3	bc	49	75	9	2	-	2.3	1009.6	-12	W	6	c/r	52	85	7	8	2	-	7.8	10	1500	2	5	50	43	40	7	0.3	
6	Pembroke	142	1005.8	-10	SSW	6	rr	50	75	7	8	2	-	1002.1	+4	W	8	bcq	52	92	7	8	-	-	4.6	4.6	1500	1	4	48	43	*	7	0.8	
7	Holyhead	26	1002.8	-18	SW	5	bc	46	75	8	8	-	4.6	1007.2	+2	W	6	bc	48	85	8	8	-	-	4.6	4.6	2500	1	3	49	42	38	-	5.0	4.6
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1009.7	-28	ESE	3	c/pr	40	92	6	8	-	-	7.8	7.8	2500	1	*	47	35	30	-	0.2	2.5
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1009.1	-4	S	4	c/pr	41	92	7	8	3	-	7.8	9+	1500	1	*	47	35	28	2	2	*
10	Spurn Head	29	1006.7	+2	WSW	4	b	39	85	5	-	-	0	1002.1	-16	S	5	o/pr	38	97	6	5	-	-	10	10	1500	1	3	45	36	*	Tr	10	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1008.2	-26	SE	1	ir	34	97	4	5	-	-	10	10	800	1	*	45	32	26	0.2	4.5	
	Tynemouth	108	1003.5	0	WSW	2	bc	38	85	7	2	-	2.3	1008.2	-34	S	4	o	38	85	6	5	-	-	10	10	1500	1	2	44	36	32	-	-	*
11	St. Abbs Head	280	1000.5	0	SW	5	bc	35	85	9	4	-	2.3	1004.1	-36	S	5	cq	39	75	8	5	2	-	4.6	7.8	2500	0	3	42	33	*	-	0.4	0.8
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1002.6	-38	SE	3	r/r	40	85	8	5	2	-	7.8	10	1500	1	*	40	33	27	3	0.4	0.0
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	1001.5	-48	NW	2	RR	39	97	6	-	2	-	10	10	1500	2	*	43	36	30	3	7	1.0
	Bakdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1002.9	-50	SSE	4	rs	36	97	6	6	-	-	10	10	450	2	*	38	31	27	10	4	1.8
	Point of Ayre	30	1001.7	-8	SW	2	bc	37	92	8	-	2	0	1003.8	-28	W	5	c	46	85	8	8	-	-	7.8	7.8	1500	1	3	47	35	*	-	1	*
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1004.8	-44	WS	2	c/pr	40	97	7	3	-	-	7.8	7.8	1500	1	3	45	39	37	4	16	0.3
13B	Stornoway	80	1003.1	-4	SSW	4	bc	40	85	8	3	-	2.3	1000.0	-10	SSW	4	c	41	85	8	8	-	-	7.8	7.8	2500	1	2	41	38	*	1	2	0.1
16	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1005.5	-52	SE	6	c	38	92	6	8	7	-	4.6	9	1500	7	*	36	32	29	7	7	3.4
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1003.6	-30	SSW	2	c	37	85	7	8	7	-	1	9	2500	3	1	43	35	29	-	-	*
	Wick	81	1003.5	0	SSW	3	bc	37	92	8	9	7	1	1001.5	-8	SSW	3	c	40	85	8	5	7	-	4.6	7.8	1500	1	1	42	35	*	0.3	-	0.3
16	Lerwick	166	1003.5	0	W	4	c/pr	42	85	8	8	7	-	1000.5	+2	SSW	4	c/r	42	85	8	9	2	-	7.8	10	800	1	*	43	39	*	4	2	*
17	Blackad Point	18	1004.0	-36	W	6	c	47	85	8	9	-	9	1004.6	+12	W	6	bcq	44	75	8	9	-	-	4.6	4.6	800	2	4	46	37	*	Tr	12	0.3
18	Malin Head	84	1004.7	-34	S	5	c/r	39	85	6	9	2	-	1008.2	-58	SSW	5	c/r	43	92															

REPORTS from HEALTH RESORTS for 25th November 1938.

AIR MINISTRY, METEOROLOGICAL OFFICE

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. 24th to 9h. 25th.	Max. 9h. -17h. 25th.	Night. 17h. 24th to 9h. 25th.	Day. 9h. -17h. 25th.	
1	Tunbridge W.	bc	bcco	33	52	8	-	1.2
	Bournemouth	c	bcbcr	38	55	6	0.5	2.0
	Ventnor	rbcop	pbar	41	55	10	7	1.2
	Southsea	bcc	corod	42	55	9	0.4	1.0
	Bognor Regis	cbcc	cir	42	54	9	1	0.7
	Littlehampton	c	cor	36	54	8	2	1.2
	Worthing	cbc	cbcer	37	54	12	1	1.1
	Brighton	cbc	cbcr	39	55	13	1	1.1
	Eastbourne	co	orthr	40	55	15	2	0.5
	Hastings	crbcc	opco	38	54	11	0.5	0.7
	Folkestone	ocbcc	coo	37	54	5	-	1.0
	Dover	ocbc	bccm	40	55	4	-	0.3
	Deal	ddb	co	38	53	7	-	1.6
	Ramsgate	cbc	c	33	53	7	-	0.8
	Margate	crbc	bcc	37	54	7	1	1.4
2	Southend	bc boc	bcc	40	53	1	-	1.8
	Clacton-on-Sea	rbcc	bcc	39	51	3	-	1.2
	Dovercourt	rbcc	bcc	37	52	3	-	1.6
	Lowestoft	cpbcb	b	35	51	3	0.4	3.0
	Skegness	ocb	bcco	33	50	-	Trace	4.1
	Mablethorpe	bccbc	bcb	31	50	1	Trace	4.0
	Cleethorpe	cbc	bccbc	33	50	1	Trace	3.7
3	Leamington S.	bc	cpc	35	52	-	0.3	3.6
4	Cheltenham	cbc	ccor	36	56	2	Trace	3.2
5	Bath	bccp	cr	37	53	3	1	0.2
	Weymouth	c	cpc	42	56	6	2	0.3
	Jersey	rgc	cpc	43	57	4	-	0.0
	Torquay	bccpba	coirg	38	55	15	2	1.8
	Falmouth	rgcc	ccgr	41	54	13	3	0.1
	Penzance	cp	cprg	42	56	8	5	0.2
	St. Ives	cpc	org	46	54	4	5	0.0
	Bude	cpc	org	46	54	4	5	0.0
	Ilfracombe	ropc	corr	41	54	9	5	0.0
6	Aberystwyth	prc	prc	47	53	4	1	0.5
7	Llandudno	crhbc	bcc	39	50	2	0.3	2.9
	Colwyn Bay	bcpbc	bcpbc	38	50	2	0.5	2.8
	Rhyl	bccr	bccr	36	50	1	0.1	3.4
8	Wallasey	bcp	bccp	38	50	1	Trace	4.5
	Southport	bcpbc	bcp,c	36	51	4	Trace	5.0
	Blackpool	cpbc	phpp	37	50	2	3	2.0
	Morcambe							
9	Ilkley	cpbr	bcpbr	34	48	1	5	1.4
	Harrogate	tlph	cbph	34	47	1	5	2.0
10	Berwick-on-T.	crabc	bcb	34	45	Trace	0.2	4.8
11	Dunbar	cpr	cpr	34	46	3	-	3.7
12	Troon	occcc	ccccc	39	47	1	-	1.1
	Douglas	bcir	bc	39	48	6	-	4.0

† 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. 26th November, 1938.

1 S.E. England Northwest to west winds, fresh locally in squalls; bright intervals; local rain or hail showers with perhaps thunder locally; rather cold, ground frost at night.

2 E. England ...
3 E. Midlands ...
4 W. Midlands ...
5 S.W. England
6 South Wales ...

7 North Wales ...
8 N.W. England Winds mainly between north and west, fresh locally; bright periods, wintry showers with perhaps thunder locally; cold with frost at night.
9 N. Midlands ...
10 N.E. England
11 S.E. Scotland
12 S.W. Scotland
13 A. W. Scotland
14 B.N.W. Scotland
15 Mid Scotland
16 N. E. Scotland
17 Orkney and Shetland

18 N. W. Ireland
19 N. E. Ireland
20 S. E. Ireland
21 S. W. Ireland

Northwesterly winds, moderate to fresh; bright periods, local rain or hail squalls with perhaps thunder; rather cold, ground

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 will move to the British Isles as a complex area of low pressure to the North and East moves away northeastwards. Squally northwesterly winds will be general with bright intervals and showers in most areas.

FURTHER OUTLOOK.

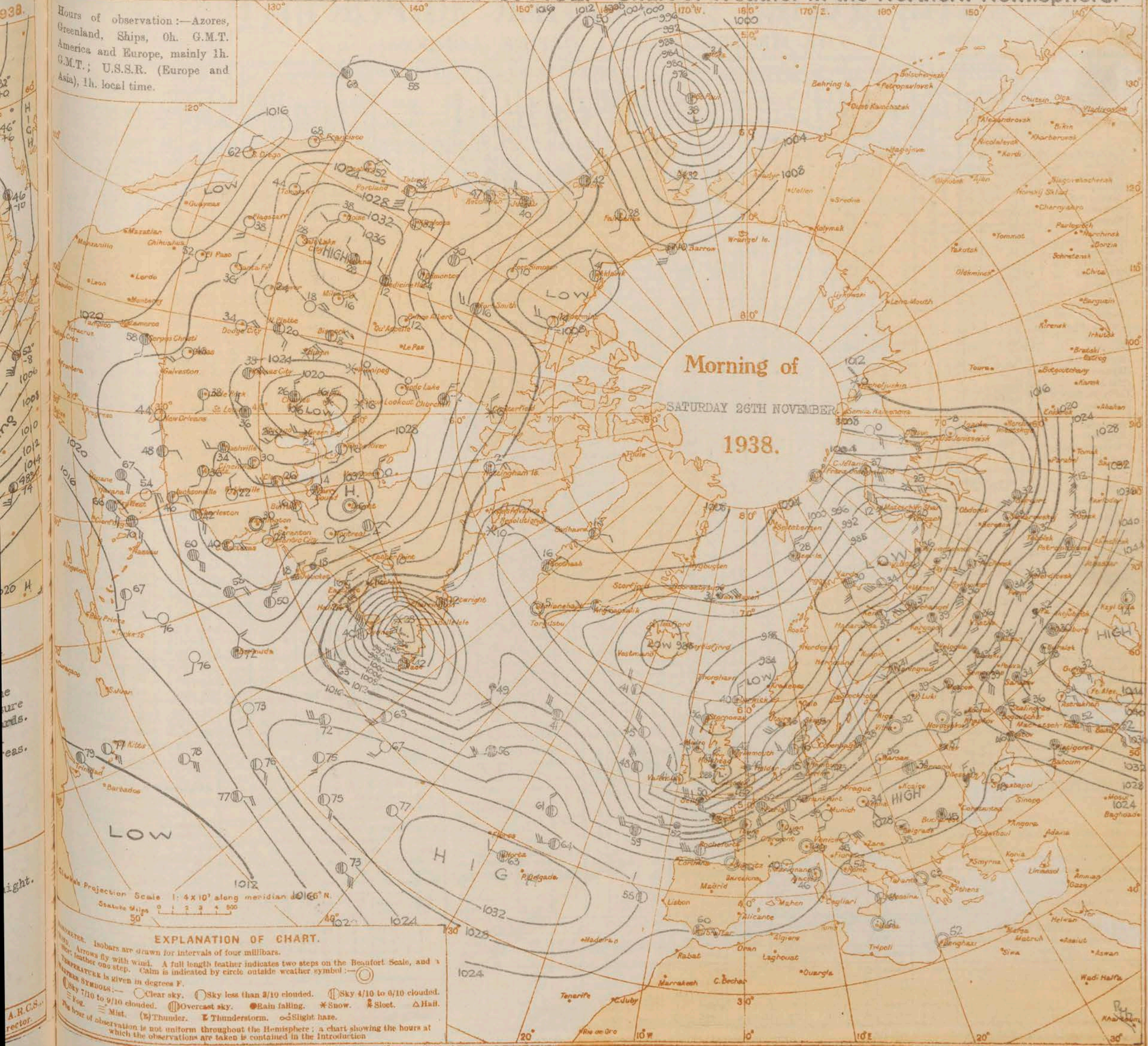
Bright periods; cold with frost at night.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.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

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 26th November, 1938
No. 28128

OBSERVATIONS at 1 hr. G.M.T. 26th November														OBSERVATIONS at 7 hr. G.M.T. 26th November														PAST 24 HOURS											
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. (6)	Humid. (7)	Visib. (8)	Cloud. (9-14)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. (20)	Humid. (21)	Visib. (22)	Cloud. (23-28)					State of Ground. (29)	Sea. (30)	TEMPERATURE. (31-33)			RAINFALL. (34-35)		Sun-shine. (36)			
					Dir.	Force (4)					Low (9)	Med. (10)	High (11)	Low (12)	Total (13)			Height of Base. (14)	Dir.					Force (18)	Low (23)	Med. (24)	High (25)	Low (26)			Total (27)	Height of Base. (28)	Max. Day 7h-18h (31)	Min. Night 18h-7h (32)	Min. on Grass (33)		Day 7h-18h (34)	Night 18h-7h (35)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	30.6	+48	W.S.	3	c	46	75	7	5	2	-	7-8	10	1500	1	*	52	46	43	Tr	22	0.8				
	Croydon	217	30.77	-24	SSW	3	rr	52	85	G	G	2	-	3	10	2500	30.65	+34	W.S.	5	c	46	75	8	5	7	-	4-6	10	2500	1	*	52	46	44	0.1	27	0.5	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	30.69	+42	W.S.	4	c	44	85	7	5	2	-	3	10	2500	1	*	52	44	42	0.1	28	1.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	30.74	+44	W	3	c	42	92	7	5	7	-	4-6	7-8	2500	1	*	53	41	41	1	20	0.4				
	Calshot (St. Mary's)	8	*	*	*	*	*	*	*	*	*	*	*	30.81	+40	W.S.	4	c/r	45	85	8	5	2	-	4-6	9	2500	1	2	50	45	45	0.3	19	1.3				
	Lympne	348	1001.3	-34	SSW	7	c/r	53	85	G	G	2	-	3	10	1500	30.72	+6	W.S.	c	c/r	45	92	7	5	2	-	7-8	10	1500	1	5	52	45	43	4	19	1.3	
	Manston	154	1000.0	-20	SSW	7	c/r	54	75	G	G	2	-	3	10	1500	30.5	+14	SW	c	c	48	85	G	G	2	-	7-8	10	1500	1	*	53	47	45	6	7	1.4	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	30.52	+24	SW	5	c/r	49	75	7	3	7	-	4-6	10	1500	1	*	54	49	45	0.6	2	2.2				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	30.18	-2	SSW	c	c/r	51	75	G	5	-	-	10	10	1500	1	5	51	49	44	2	15	0.6				
	Gorleston	5	30.63	-40	SW	5	c/r	47	92	G	G	-	-	10	10	1500	30.52	-28	SW	c	c	53	75	8	8	-	10	10	1500	1	5	51	45	43	3	8	3.4		
	Mildenhall	19	30.52	-50	SW	5	c/r	52	85	G	G	2	-	7-8	10	2500	30.05	+30	W.S.	7	c/r	44	85	7	G	2	-	4-6	10	1500	1	*	52	44	42	1	8	3.1	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	30.2	+58	WNW	5	c/r	39	97	G	G	2	-	7-8	10	1500	1	*	51	38	37	Tr	5	4.3				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	30.48	+70	WSW	3	c/r	39	92	8	8	-	-	7-8	7-8	2500	1	*	50	38	37	0.3	12	3.5				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	30.53	47	W	4	c/pr	41	85	8	5	7	-	7-8	9	2500	1	*	50	40	38	0.1	8	*				
4	Rose-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	30.2	+54	SW	2	bc	42	85	8	8	-	-	2-3	2-3	2500	1	*	51	41	37	0.2	10	3.0				
5	Hartland Point	209	30.75	-40	W	8	c/r	51	85	G	G	2	-	3	10	800	30.1	-30	WNW	c	c/pr	40	85	8	3	-	7-8	7-8	2500	1	5	53	44	41	5	9	0.0		
	Bristol	209	30.75	-40	W	8	c/r	51	85	G	G	2	-	3	10	800	30.73	+44	W	4	bc	42	85	7	5	7	-	4-6	4-6	2500	1	*	51	41	37	9	11	0.3	
	Portland Bill	32	30.2	-72	SW	8	RR	52	92	7	5	-	-	10	10	800	30.4	+54	WNW	5	c/r	47	92	7	5	-	10	10	800	2	5	55	40	*	6	22	0.4		
	Plymouth	82	30.2	-72	SW	8	RR	52	92	7	5	-	-	10	10	800	1000.1	+30	W	2	ir	45	85	7	5	-	10	10	1500	1	3	55	43	41	11	39	0.4		
	The Lizard	240	30.57	-12	W	8	c	51	85	7	5	-	-	10	10	1500	1000.8	+34	WNW	5	c	43	75	7	8	7	-	7-8	7-8	2500	1	3	55	43	*	12	14	0.2	
	Scilly (St. Mary's)	163	30.45	+2	W	8	pr	50	85	G	G	9	-	10	10	1500	1001.4	+20	WNW	c	bc	47	75	8	3	G	-	4-6	4-6	1500	1	4	55	44	*	17	14	0.0	
	Guernsey	175	30.2	-60	SSW	G	c/r	52	85	7	8	-	-	10	10	1500	1000.1	+20	WSW	5	c/r	50	65	7	8	-	7-8	7-8	1500	1	5	57	40	44	3	13	0.2		
6	Pembroke	142	30.0	0	NW	7	ir	45	97	7	8	-	-	10	10	1500	30.1	+32	WNW	c	bc/r	46	75	8	8	G	-	4-6	4-6	1500	1	3	53	44	*	3	14	0.7	
7	Holyhead	26	30.87	-18	N	4	rr	43	97	G	G	2	-	4-6	10	400	30.3	+40	WNW	7	bc	47	85	8	2	-	4-6	4-6	1500	1	3	50	42	41	Tr	13	3.0		
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	30.28	+50	W.S.	5	c/pr	45	75	8	3	-	-	7-8	7-8	2500	1	*	51	41	40	1	17	4.0				
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	30.5	+44	WNW	4	c/pr	41	92	G	8	-	-	9	9	1500	1	*	50	39	30	0.1	17	4.1				
10	Spurn Head	29	30.4	-50	SSE	3	rr	40	97	G	5	-	-	10	10	1500	30.9	-20	WNW	7	c/r	41	92	G	G	-	10	10	800	2	4	49	40	*	0.6	7	3.5		
	Catterick	175	30.3	-24	SSW	2	o	42	86	G	5	-	-	10	10	1500	30.2	+18	WNW	3	c	41	85	8	5	2	-	4-6	10	1500	1	*	47	39	35	1	11	1.3	
	Tynemouth	108	30.3	-24	SSW	2	o	42	86	G	5	-	-	10	10	1500	30.4	-6	W	3	c/r	40	85	7	-	2	-	10	10	1500	1	1	47	40	35	0.2	4	2.2	
11	St. Abbs Head	280	30.8	0	S	3	c	39	85	8	5	2	-	4-6	7-8	2500	30.55	-8	W	4	c	41	85	8	5	G	-	4-6	7-8	2500	0	3	45	37	*	1	-	*	
	Leuchars	36	30.8	0	S	3	c	39	85	8	5	2	-	4-6	7-8	2500	30.54	-10	SW	1	bc	39	92	7	8	6	3	-	4-6	7-8	2500	1	*	42	39	20	3	-	0.2
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	30.8	+8	WNW	3	bc/pr	41	92	8	4	-	-	4-6	4-6	2500	2	*	44	39	35	18	3	0.7				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	30.5	-14	WNW	7	bc	39	75	8	8	-	-	1	1	2-3	1500	1	*	41	34	31	3	0.4	0.5			
	Point of Ayre	30	30.4	-20	WNW	2	c	43	85	8	5	2	-	2-3	10	2500	30.9	+24	WNW	7	bc	45	75	8	8	-	-	4-6	4-6	2500	0	4	48	42	*	-	-	4.8	
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	30.3	+22	WNW	G	bc	43	85	8	8	-	-	4-6	4-6	1500	1	4	45	40	38	3	5	0.3				
13b	Stornoway	80	30.2	+6	WNW	2	c	30	97	7	5	-	-	7-8	7-8	1500	30.1	+10	WNW	3	c	40	85	8	8	-	9	9	2500	1	2	44	30	*	Tr	2	1.7		
15	Dalwhinnie	1170	*	*	*	*	*	*	*	*	*	*	*	30.75	+10	W	2	ir	30	85	7	8	G	-	9	9	2500	7	*	37	34	31	3	1	0.2				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	30.57	-8	W	0	b	34	97	7	5	-	G	Tr	1	4000	3	1	42	34	25	2	-	0.6				
	Wick	81	30.2	+4	WSW	2	bc	32	92	8	5	1	-	2-3	2-3	1500	30.4	+6	W	3	bc	31	97	8</															

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

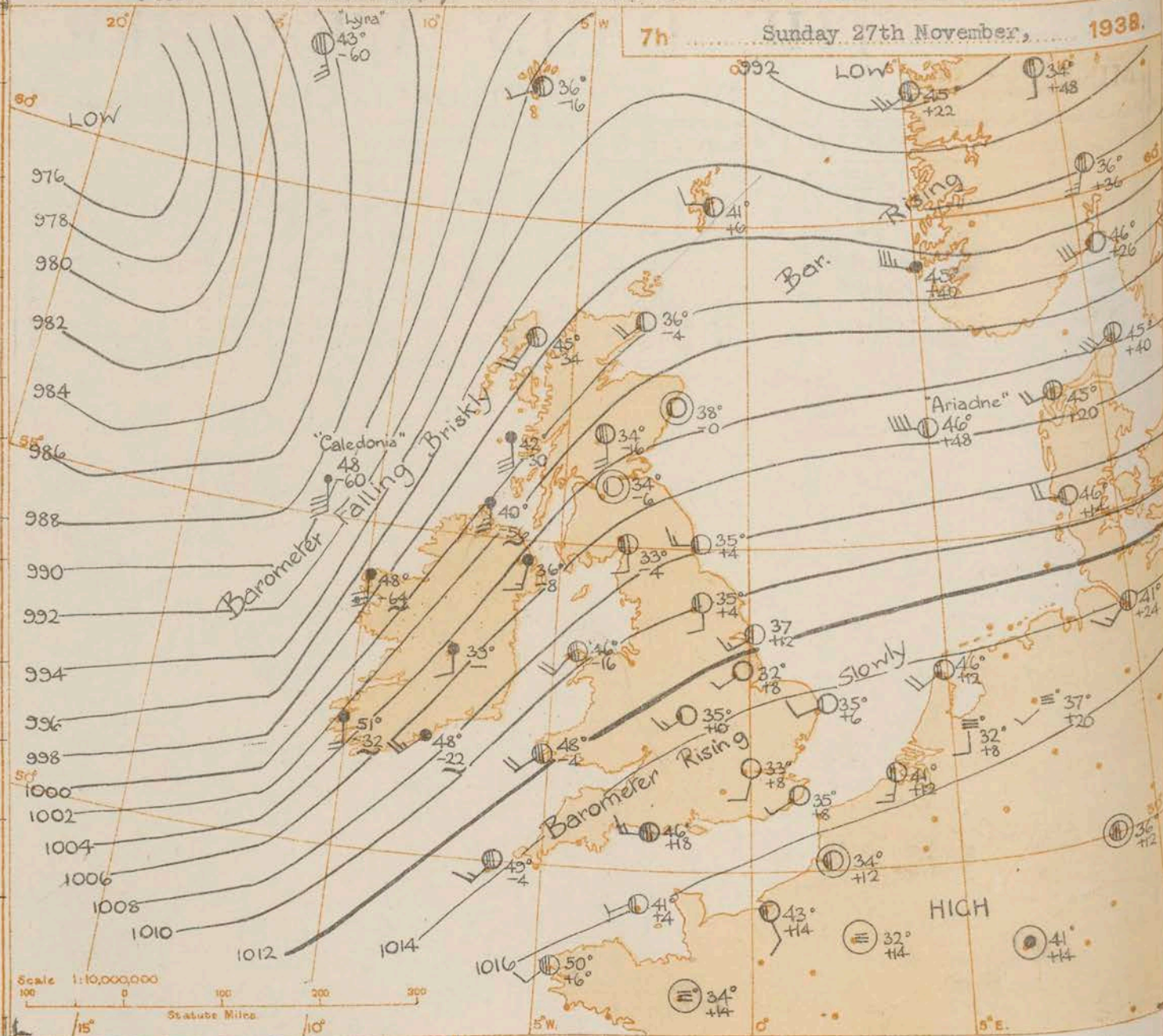
BRITISH SECTION
Sunday 27th November, 1938.
No. 28129

STATIONS.	OBSERVATIONS at 13h. G.M.T. 26th November.														OBSERVATIONS at 18h. G.M.T. 26th November.														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																													
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																													
			Dir.	Force					Form.	Amount.	Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.					Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)			Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height

7h Sunday 27th November, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 9h. 24h.	Max. 9h. to 17h.	Night. 17h. to 9h. 24h.	Day. 9h. to 17h.	
1	Tunbridge W.	bbsc	cbcb	43	48	13	-	2.5
	Bournemouth	cbcb	b	44	49	29	-	4.7
	Ventnor	oru	cb	44	50	14	-	4.0
	Southsea	oc	bbsc	45	49	17	-	3.6
	Bognor Regis	oc	bc	45	49	10	-	3.4
	Littlehampton	c	cbcb	45	50	14	-	2.6
	Worthing	bc	bc	45	49	13	-	2.7
	Brighton	bc	bbsc	46	49	19	-	2.3
	Eastbourne	c	cbcb	43	56	16	-	2.0
	Hastings	cbcc	bc	45	56	16	-	1.6
	Folkestone	ocbc	bc	46	48	15	-	0.1
	Dover	c	bc	48	49	13	-	0.0
2	Deal	oc	cocob	46	48	12	-	0.7
	Ramsgate	c	bc	45	53	10	-	0.1
	Margate	c	bcc	45	49	6	-	0.4
	Southend	cb	bmb	44	47	6	-	1.2
	Clacton-on-Sea	cb	bc	44	48	11	-	1.2
	Dovercourt	bc	bc	43	48	18	-	2.0
	Lowestoft	bc	b	41	47	12	-	3.4
	Skegness	bc	bbsc	37	51	4	-	5.8
	Mablethorpe	b	b	36	46	5	-	5.8
	Cleethorpe	bc	bcc	36	47	9	-	4.3
	Leamington S.	bbsc	bc	40	48	5	-	6.2
	Cheltenham	m.bbsc	bc	40	49	5	-	5.4
3	Bath	cbcb	b	43	49	11	-	5.9
	Weymouth	cb	b	45	52	23	-	5.0
	Jersey	rc	pcbc	46	52	13	4	1.2
	Torquay	b	bc	43	50	51	-	5.2
	Falmouth	crbcb	bbsc	43	50	32	0.2	5.1
	Penzance	cbcb	bbsc	44	51	21	0.5	4.4
	St. Ives	bc	bc	44	50	13	1	2.0
	Bude	bc	bc	44	50	13	1	2.0
	Ilfracombe	bc	bc	45	50	12	1	3.7
	Aberystwyth	Rhbc	bcc	42	49	20	0.4	3.9
	Llandudno	bc	bbsc	42	48	11	0.4	4.5
	Colwyn Bay	bc	bbsc	42	48	9	0.4	3.7
4	Rhyl	bc	bbsc	42	48	14	0.4	5.1
	Wallassey	cb	bcc	41	49	16	Trace	3.0
	Southport	cb	bcc	40	46	13	1	0.7
	Blackpool	cb	bcc	41	47	10	-	3.1
	Morecambe	cb	bcc	41	47	10	-	3.1
	Ilkley	cbcb	bcp	37	46	15	3	2.5
	Harrogate	cbcb	bcbp	36	45	15	2	2.9
	Berwick-on-T.	bc	cb	36	43	-	Trace	1.6
	Dunbar	cm	cm	36	44	Trace	-	0.3
	Troon	oc	oc	43	46	Trace	-	0.1
	Douglas	bc	bc	41	45	0.5	-	6.3

† 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. 27th November, 1938.

1 S.E. England	Light to moderate south to southwest winds; fair at first, cloudy, some rain later; temperature rising.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Freshening south to southwest wind, becoming strong on coasts, veering west tomorrow; cloudy some rain to-day, showers and bright intervals tomorrow; average temperature.
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Moderate to fresh southwesterly winds, strong at times later, veering tomorrow; cloudy, some rain to-day, showers tomorrow; rather cold to average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh to strong southwest to west winds, gale on coasts; rain to-day, showers of hail or rain with thunder locally tomorrow; average temperature.
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	Southwest to west winds, strong to gale; some rain to-day, showers of rain or hail with thunder locally tomorrow; average temperature.
17 N.W. Ireland	Fresh to strong southwest to west winds, gale locally on coasts; rainy at first, showers and bright intervals tomorrow with hail and local thunder; average temperature.
18 N.E. Ireland	
19 S.E. Ireland	Fresh or strong southwest to west winds; cloudy, intermittent rain or drizzle to-day, showers and bright intervals tomorrow; average temperature.
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 very deep depression southwest of Iceland is moving quickly east-northeast. Weather will be fair at first in the East, but rain will spread from the West to all districts followed by showers and bright intervals in the West and North tomorrow. Temperature will rise generally at first, but will fall in the North and West later.

FURTHER OUTLOOK.

Fresh or strong westerly winds, moderating temporarily; showers, further rain spreading from west later.

Times of issue of Gale Warnings.

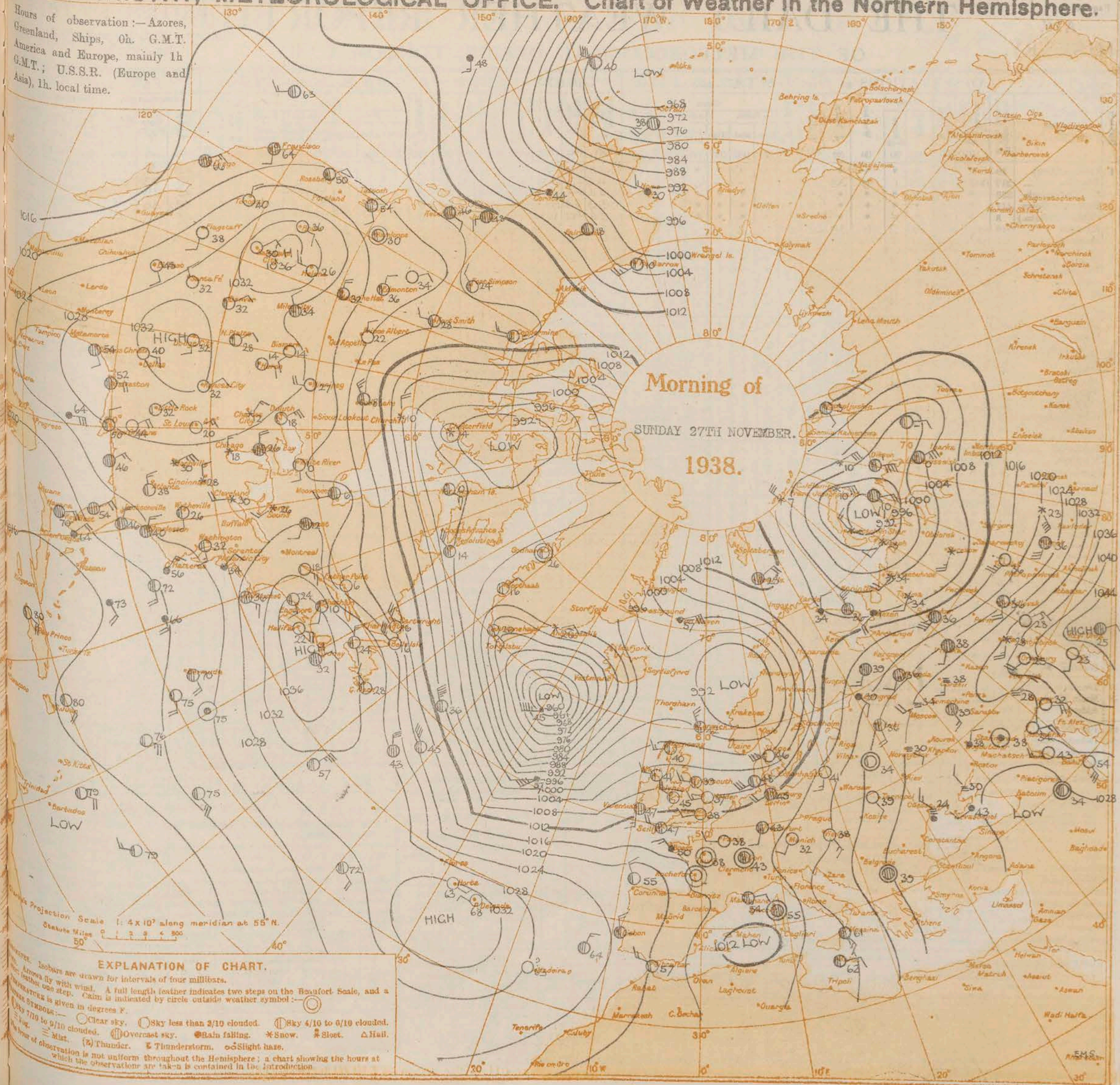
† South Cone hoisted at 0400 on 27/11/38 in districts 13A and 13B, 17 and 20 and at 0945 on 27/11/38 in district 16.

Forecasts issued at 1100 G.M.T.

N. K. JOHNSON, M.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

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 27th November, 1938.

No. 28129.

OBSERVATIONS at 1 hr. G.M.T. 27th November														OBSERVATIONS at 7 hr. G.M.T. 27th November														PAST 24 HOURS.										
District.	STATION.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.					State of Ground. (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine Hr. (38)		
					Dir. (3)	Force (4)					Low (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Dir. (17)					Force (18)	Low (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base. (feet) (28)	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)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1014.3	+10	S	1	b	33	32	7	-	-	-	-	-	-	-	48	32	19	-	Tr	5.2				
	Croydon	217	1012.3	+18	W'S	1	b	38	85	7	-	-	-	0	0	-	-	b	33	32	6	-	-	-	0	0	-	-	49	32	29	-	-	3.7				
	S. Farborough	226	*	*	*	*	*	*	*	*	*	*	*	1014.4	+8	S	0	b	31	37	8	-	-	-	0	Tr	-	-	49	29	21	-	-	4.9				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1015.3	+4	SSW	2	b	31	37	7	5	4	-	Tr	1	2500	-	-	48	30	23	-	Tr	4.1			
	Calshot (Stamts.)	8	*	*	*	*	*	*	*	*	*	*	*	1015.4	+12	W'N	1	b	34	37	8	3	-	3	Tr	1	2500	-	0	49	33	28	Tr	-	1.6			
	Lymington	348	1013.2	+14	W	2	b	38	85	8	-	4	-	0	Tr	-	-	b	35	32	7	8	-	3	1	4000	-	50	47	33	22	-	0.1	0.5				
	Manston	154	1012.4	+18	SW	2	z	33	92	6	-	-	-	0	0	-	-	z	33	92	6	8	-	3	2.3	2.3	2500	-	-	49	32	24	0.3	-	-			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1014.4	+8	SW	1	z	37	92	5	-	4	-	0	Tr	-	-	50	36	24	-	-	0.7				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1014.1	+12	WSW	1	bf	37	92	3	5	-	-	Tr	Tr	2500	-	1	51	36	30	-	-	1.7			
	Gorleston	5	1011.1	+28	WSW	2	b	36	85	7	-	-	-	0	0	-	-	b	35	92	6	4	-	-	Tr	Tr	2500	-	2	53	35	32	-	-	3.7			
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1013.5	+14	SW'S	3	z	33	97	6	-	-	-	0	0	-	-	49	32	24	0.1	-	6.1				
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1012.3	+8	SW	1	z	32	97	6	-	-	-	0	0	-	-	46	32	28	0.4	-	4.5				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1012.6	+10	SW	3	b	35	85	8	-	-	5	0	Tr	-	-	46	33	29	0.1	-	6.2				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1014.4	+8	SW	1	ft	29	97	2	-	-	-	10	10	<150	-	-	48	28	20	-	-	6.7			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1013.8	0	SW	1	bc	32	92	7	-	-	9	0	2.3	-	-	50	32	20	-	-	2.9				
5	Hartland Point	299	1012.6	+20	NNW	3	bc	46	75	8	3	-	-	2.3	2.3	2500	-	c	44	85	8	3	1	-	4.6	7.8	2500	-	3	49	41	38	0.5	2	6.1			
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1013.6	0	SW	2	bc	38	85	8	5	3	6	2.3	4.6	2500	-	1	49	35	25	-	-	4.1			
	Portland Bill	32	1012.4	+18	NW	3	b	45	92	8	-	-	-	0	0	-	-	c	46	92	8	5	-	-	7.8	7.8	<150	-	3	50	45	-	-	5.3				
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1014.2	0	E'N	2	c	35	92	7	5	3	-	4.6	7.8	1500	-	2	50	35	32	-	Tr	3.8			
	The Lizard	240	1013.7	+14	NNW	3	c	47	75	8	8	6	-	7.8	9	2500	-	c	48	75	8	8	6	-	7.8	7.8	2500	-	1	49	42	-	0.4	Tr	5.3			
	Scilly (St. Mary's)	163	1013.8	+12	NNW	4	c	47	65	8	8	4	5	4.6	7.8	1500	-	c	49	75	8	8	-	-	9.1	9.1	1500	-	3	50	45	-	0.3	Tr	1.7			
	Guernsey	175	1013.9	+20	-	0	bc/pr	42	92	9	5	-	-	2.3	2.3	2500	-	1	bc	41	85	9	2	3	-	2.3	4.6	4000	-	2	51	39	30	2	3	3.4		
6	Pembroke	142	1012.0	+14	NW	2	bc	46	75	7	2	-	-	4.6	4.6	2500	-	c	48	65	7	5	2	-	4.6	9.1	2500	-	2	53	45	-	-	Tr	5.7			
7	Holyhead	26	1008.2	+12	W'N	4	b	45	65	8	2	-	-	1	1	2500	-	c	46	65	9	8	5	-	2.3	9.1	4000	-	2	48	42	37	-	-	5.4			
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1010.6	+4	ESE	2	bc	33	97	7	-	3	-	0	4.6	-	-	48	33	28	0.6	-	7	0.3			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1010.8	+2	S	2	z	33	92	6	5	3	-	7.8	9	4000	-	-	44	33	26	4	-	-			
10	Spurn Head	29	1008.6	+28	WSW	3	b	37	92	6	-	4	-	0	1	-	-	bc	37	92	6	-	4	-	0	2.3	-	-	45	36	-	3	Tr	4.3				
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1009.5	+4	S	2	bc	35	92	9	4	4	-	2.3	4.6	2500	-	3	46	32	24	-	-	3.7			
	Tynemouth	108	1008.5	+22	W	3	bc	39	85	7	2	-	-	2.3	2.3	2500	-	3	bc	35	85	6	2	-	-	2.3	2.3	2500	-	1	45	35	30	Tr	4.0			
11	St. Abbs Head	280	1003.7	+18	W	6	bq	40	65	8	4	-	-	1	1	2500	-	3	bc	34	92	9	2	1	-	2.3	5700	-	0	44	33	-	-	Tr	1.1			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1004.5	0	SW	2	bc	31	92	6	5	-	-	2.3	2.3	2500	-	3	43	30	23	-	Tr	0.9			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1005.1	-6	-	0	b	34	97	8	-	3	-	0	Tr	-	-	44	31	25	0.1	Tr	2.9				
	Esksdalemuir	704	*	*	*	*	*	*	*	*	*	*	*	1007.1	-4	S	2	m	33	97	4	5	-	-	10	<150	-	3	42	29	22	0.1	Tr	2.7				
	Point of Ayre	30	1007.6	+14	NNW	5	bc	43	85	8	4	-	-	2.3	2.3	1500	-	3	c	40	85	8	2	2	-	Tr	9.1	2500	-	0	47	38	-	-	Tr	-		
13A	Tires	22	*	*	*	*	*	*	*	*	*	*	*	998.9	-30	S	6	ir	42	92	7	6	2	-	4.6	9	1500	-	1	46	38	35	0.3	2	1.3			
13B	Stornoway	80	1000.6	+16	WSW	3	bc/pr	40	85	8	8	-	-	2.3	2.3	2500	-	5	c	45	75	8	5	7	-	4.6	9.1	2500	-	1	43	37	-	0.6	0.7			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1003.7	-16	S	4	c	34	85	6	5	-	-	10	10	1500	-	4	37	32	25	-	-	1.1			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1003.3	0	-	0	b	38	85	7	2	3	-	Tr	Tr	2500	-	3	39	32	20	-	-	1.1			
	Wick	81	999.5	+28	WSW	4	bc/pr	35	97	8	8	7	8	2.3	4.6	1500	-	4	bc	36	92	8	5	7	-	2.3	4.6	1500	-	1	42	34	-	0.2	0.3	0.4		
16	Lerwick	156	993.8	+30	NNW	5	c/pr	42	85	8	8	7	-	4.6	7.8	1500	-	2	c	41	75	8	8	7	-	4.6	7.8	1500	-	1	44	40	-	-	1	0.4		
17	Blackad Point	18	1006.3	+6	W	3	0	45	75	8	5	-	-	10	10	800	-	6	rr	48	97	7	6	-	-	10	10	450	-	2	49	37	-	3	6	1.0		
18	Malin Head	84	1004.7	+14	W	3	bc	41	85	8	8	4	-	4.6	4.6	5700	-	5	rr	40	92	6	6	2	-	4.6	10	25										

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

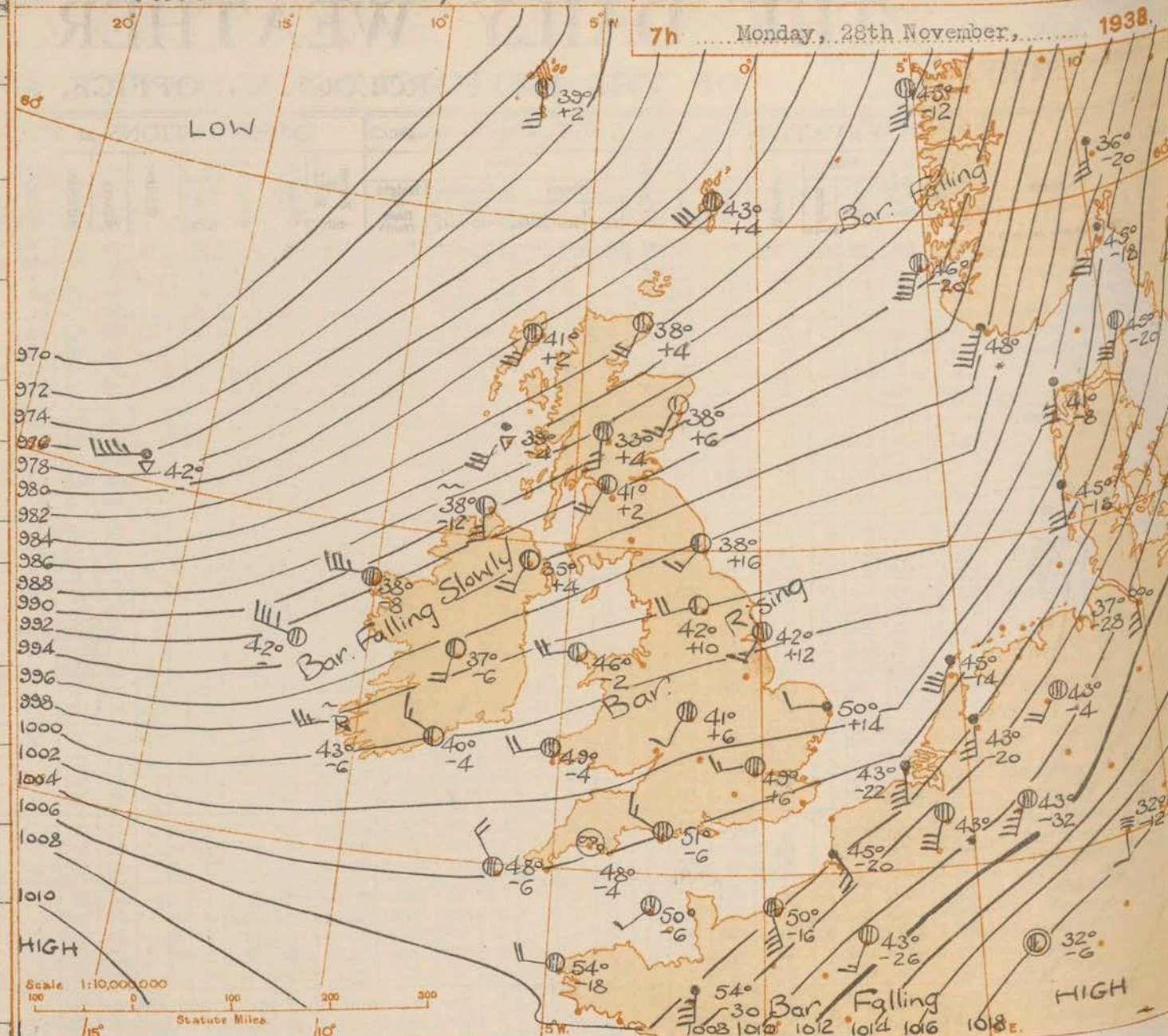
STATIONS.	OBSERVATIONS at 13h. G.M.T. 27th November.														OBSERVATIONS at 18h. G.M.T. 27th November.														PAST 24 HOURS.																
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-12	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of ground. 0-9	Sea. 0-9	WEATHER.																
			Dir.	Force 0-12					Form.	Amount.		Height of Base (feet)	Dir.			Force 0-12	Form.					Amount.		Height of Base (feet)	Dir.	Force 0-12			Form.	Amount.		Height of Base (feet)	7h-13h. 27th.	13h-18h. 27th.	18h-27th. 28th.	1h-7h. 28th.									
										Low	Med.											High	Low							Total	Low						Med.	High	Low	Total	Low	Med.	High	Low	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)												
(For heights see p. 4.)																																													
1 London (Kew) ...	1013.3	-16	S	3	Z	47	65	6	-	3	6	0	3	-	1010.0	-24	S	4	C	47	85	7	5	-	-	10	1500	1	*	bcc	cc	cir	or												
Croydon ...	1014.3	-14	S	3	Z	48	65	6	-	5	2	0	2.8	-	1010.5	-24	S	3	C	47	85	6	6	2	-	4-6	10	2500	1	*	bcc	cc	cir												
S. Farnborough ...	1013.5	-14	SSW	3	C	46	75	7	2	3	3	1	7.8	2500	1010.0	-20	SSW	5	C	48	75	7	5	-	-	10	10	2500	1	*	bcc	cc	cir												
Boscombe Down ...	1013.4	-18	S	3	C	45	85	7	5	2	-	2.6	5	2500	1009.2	-18	S	5	C	45	75	6	6	2	-	7.8	10	800	1	*	bcc	cc	cir												
Calshot (St. Mary's) ...	1015.0	-10	S	5	C	50	75	8	7	-	-	3	3	2500	1012.0	-10	S	7	C	50	85	6	6	-	-	10	10	450	1	4	bcc	cc	cir												
Lymington ...	1016.2	-4	SSW	3	C	47	75	7	2	3	-	1	2.3	4000	1013.5	-14	SSW	3	C	47	85	8	5	7	6	2-3	2+	2500	1	4	bcc	cc	cir												
Manston ...	1015.4	-6	SSW	3	C	48	65	7	2	-	1	Tr	Tr	2500	1012.3	-20	S	4	C	46	75	7	5	-	-	10	10	4000	1	*	bcc	cc	cir												
2 Shoeburyness ...	1014.8	-8	SSW	3	C	47	65	7	2	4	6	Tr	7.8	2500	1011.3	-22	S	4	C	48	75	8	6	7	-	2-3	10	1500	1	*	bcc	cc	cir												
Felixstowe ...	1014.8	-6	SSW	2	C	45	75	7	-	3	1	0	Tr	-	1011.4	-20	S	5	C	48	75	7	5	2	8	2-3	7.8	1500	1	4	bcc	cc	cir												
Gravelly ...	1013.6	-6	S	4	C	45	85	7	-	3	6	0	7.8	-	1010.1	-22	SSW	5	C	44	85	6	6	-	-	10	10	5700	1	*	bcc	cc	cir												
Mildenhall ...	1012.6	-22	S	4	C	45	75	6	-	4	6	0	4.6	-	1008.6	-22	S	4	C	44	85	6	6	-	-	10	10	5700	1	*	bcc	cc	cir												
Cranwell ...	1010.7	-18	SSW	4	C	44	75	7	-	7	-	0	3	-	1004.2	-38	S	5	C	44	85	7	5	-	-	10	10	1500	1	*	bcc	cc	cir												
3 Birmingham ...	1009.8	-22	SSW	3	C	42	75	8	-	1	-	0	3	-	1003.8	-28	SSW	4	C	44	82	8	6	-	-	10	10	800	1	*	bcc	cc	cir												
Upper Heyford ...	1012.7	-22	SSW	3	C	46	75	8	-	3	0	4.6	-	-	1007.5	-30	SSW	6	C	45	82	6	6	-	-	10	10	800	1	*	bcc	cc	cir												
4 Ross-on-Wye ...	1010.5	-16	S	4	C	45	75	7	6	7	3	1	10	2500	1004.0	-40	S	5	C	43	85	6	6	-	-	10	10	1500	1	*	bcc	cc	cir												
5 Hartland Point ...	1008.2	-38	S	5	C	45	85	7	6	2	-	3+	10	800	1003.4	-22	S	6	C	52	87	7	-	2	-	10	10	800	1	4	bcc	cc	cir												
Bristol ...	1012.4	-18	SSW	3	C	47	75	7	5	1	-	2.3	3+	1500	1006.6	-22	SSW	5	C	43	82	7	6	2	-	7.8	10	1500	1	4	bcc	cc	cir												
Portland Bill ...	1012.6	-12	SSW	5	C	52	82	8	3	-	-	10	10	2500	1008.6	-28	S	6	C	52	82	7	5	-	-	10	10	1500	1	5	bcc	cc	cir												
Plymouth ...	1012.1	-18	SSW	5	C	50	75	8	5	-	-	10	10	1500	1007.3	-12	S	6	C	53	87	6	6	2	-	3+	10	450	1	5	bcc	cc	cir												
The Lizard ...	1011.6	-20	SSW	6	C	50	87	6	5	-	-	10	10	1500	1007.3	-12	S	6	C	53	87	6	6	2	-	3+	10	1500	1	5	bcc	cc	cir												
Scilly (St. Mary's) ...	1009.3	-22	SSW	5	C	52	87	5	5	-	-	10	10	800	1006.4	-18	S	5	C	53	87	7	5	-	-	10	10	450	1	3	bcc	cc	cir												
Guernsey ...	1015.2	-14	SSW	3	C	50	65	5	3	2	-	2.3	10	2500	1011.3	-16	S	4	C	51	75	7	5	-	-	10	10	2500	1	3	bcc	cc	cir												
6 Pembroke ...	1005.3	-28	SSW	8	C	50	87	6	5	-	-	10	10	1500	1000.3	-16	S	8	C	54	87	5	5	-	-	10	10	1500	1	4	bcc	cc	cir												
Holyhead ...	1002.1	-50	S	7	C	47	87	6	6	2	-	7.8	10	800	1006.3	-20	S	5	C	53	87	7	5	2	-	3	10	450	1	2	bcc	cc	cir												
Chester (Sealand) ...	1006.3	-34	SSW	3	C	42	85	6	6	2	-	7.8	10	1500	1000.0	-30	S	5	C	47	85	7	5	2	-	10	10	2500	1	*	bcc	cc	cir												
8 Manchester ...	1007.2	-32	S	4	C	42	85	6	-	2	-	10	10	2500	1000.1	-40	S	5	C	45	82	6	6	2	-	7.8	10	800	1	*	bcc	cc	cir												
10 Spurn Head ...	1003.3	-14	S	5	C	43	85	6	5	8	-	7.8	3+	2500	1002.7	-32	S	6	C	43	82	6	5	-	-	10	10	2500	1	4	bcc	cc	cir												
Catterick ...	1004.3	-44	S	4	C	41	75	5	3	-	-	10	10	1500	998.4	-22	S	3	C	42	87	5	6	-	-	10	10	800	1	4	bcc	cc	cir												
Tynemouth ...	1003.2	-42	S	4	C	41	75	5	5	-	-	9	3	1500	995.5	-36	SSW	5	C	42	82	6	5	-	-	10	10	1500	1	2	bcc	cc	cir												
11 St. Abbs Head ...	998.3	-36	S	6	C	41	75	8	3	2	-	7.8	10	1500	994.4	-18	SSW	6	C	44	75	8	3	2	-	7.8	10	1500	0	4	bcc	cc	cir												
Leuchars ...	997.1	-42	S	3	C	42	85	7	5	2	-	3+	10	1500	989.5	-24	SSW	4	C	43	82	6	6	2	-	3+	10	1500	1	*	bcc	cc	cir												
12 Banff (Abbott's) ...	996.8	-62	SSW	3	C	43	82	6	5	-	-	10	10	1500	991.5	-10	S	3	C	43	82	6	5	-	-	7.8	7.8	2500	1	*	bcc	cc	cir												
Balkeilmuir ...	999.3	-50	SSW	7	C	40	82	6	6	-	-	10	10	800	992.4	-36	SSW	5	C	46	87	4	6	-	-	10	10	1500	2	*	bcc	cc	cir												
Point of Ayre ...	999.4	-66	S	6	C	47	82	7	6	2	-	4-6	10	800	994.1	-20	S	5	C	53	82	7	8	3	-	2-3	2-3	1500	1	3	bcc	cc	cir												
13 Tree ...	987.3	-48	S	7	C	47	87	6	-	2	-	3+	3+	1500	986.3	-2	S	5	C	45	87	6	3	-	-	7.8	7.8	1500	1	5	bcc	cc	cir												
13a Stornoway ...	983.3	-62	S	3	C	45	85	6	8	7	-	3	10	1500	983.0	0	SSW	4	C	44	85	7	5	-	-	7.8	7.8	2500	1	3	bcc	cc	cir												
15 Dalwhinnie ...	993.3	-60	S	6	C	35	82	5	6	-	-	10	10	1500	987.3	-24	S	5	C	41	75	6	8	2	-	4-6	3	1500	4	*	bcc	cc	cir												
Aberdeen ...	996.6	-46	SSW	4	C	41	75	6	5	2	-	1	10	800	988.5	-32	S	4	C	45	82	6	6	2	-	4-6	10	800	1	3	bcc	cc	cir												
Wick ...	991.5	-54	S	6	C	43	85	7	3	2	-	4-6	10	1500	984.4	-24	SSW	6	C	46	85	7	5	2	-	3	10	1500	1	3	bcc	cc	cir												
16 Lerwick ...	992.3	-44	SSW	6	C	45	75	8	8	7	-	4-6	3	1500	982.3	-42	S	8	C																										

REPORTS from HEALTH RESORTS for 27th November, 1938.

DISTRICTS	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (ins.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 2.7h.	Max. 2.7h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	mb	bbcc	26	48	—	—	5.3
	Bournemouth	bc	cod.	32	50	—	Trace	1.0
	Ventnor	bcc	bccu	38	53	—	—	3.5
	Southsea	bc	*ocod	33	51	—	Trace	3.8
	Bognor Regis	bc	bccr	34	51	—	Trace	3.4
	Littlehampton	bc	bcc	30	51	—	—	3.6
	Worthing	b	bccr	32	51	—	Trace	4.4
	Brighton	b	bcc	32	51	—	—	4.3
	Eastbourne	b	bcc	33	52	Trace	—	4.9
	Hastings	b	bcc	36	52	Trace	—	5.1
	Folkestone	bcc	bccr	33	50	Trace	0.3	4.2
	Dover	b	bccr	33	51	—	Trace	4.7
2	Deal	b	bccr	34	48	—	Trace	5.8
	Ramsgate	bc	bcc	37	49	—	—	6.0
	Margate	bc	bc	36	50	—	—	6.3
	Southend	b	bcc	36	49	Trace	—	5.0
	Clacton-on-Sea	xbbcm	bc	34	47	—	—	5.4
	Dovercourt	xbcm	bc	38	47	—	—	5.4
	Lowestoft	b	cbcc	32	44	—	—	6.1
	Skegness	bcc	bccr	30	45	—	Trace	2.7
	Mablethorpe	bm, bc	cor	31	43	2	Trace	2.2
	Cleethorpes	bcc	bccr	32	43	—	Trace	2.1
	Leamington S.	bc	cor	29	47	—	2	2.8
	Cheltenham	cbcc	cor	29	47	—	0.5	1.9
3	Bath	bcc	cr	28	49	—	0.5	1.1
	Weymouth	c	crr	33	51	—	0.3	0.2
	Jersey	cbc	bcc	38	53	2	—	1.7
	Torquay	cmco	codq	33	51	—	1	0.1
	Falmouth	govor	gorro	38	53	1	2	0.0
	Penzance	crr	rcc	33	54	—	3	0.0
	St. Ives	—	—	—	—	—	—	—
	Bude	cbc	o	38	55	2	0.5	0.0
	Ilfracombe	bcco	odo	40	52	3	0.4	0.0
	Aberystwyth	cobr	prc	40	53	—	4	0.0
	Llandudno	cd, c	crc	39	52	0.4	Trace	0.2
	Colwyn Bay	*o	o, o, o	38	51	1	0.3	0.0
4	Rhyl	o, r	brr	35	51	1	3	0.1
	Wallaasey	cor	lro	36	50	1	3	0.0
	Scutthport	omor	rorrm	36	44	4	4	0.0
	Blackpool	om, or	om, rr	38	44	Trace	4	0.0
	Morecambe	—	—	—	—	—	—	—
	Widley	co	or	35	44	0.1	0.5	0.0
	Harrogate	bcc	r, r	34	42	—	0.4	0.5
	Berwick-on-T.	c	cbc	33	45	—	0.2	0.0
	Dunbar	cm	cpr	34	47	—	0.3	0.0
	Troon	ccor	rror	40	51	—	5	0.0
	Douglas	bc	crrm	37	52	—	13	0.0
	—	—	—	—	—	—	—	—

† 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. 28th November, 1938.

1 S.E. England	Light variable winds, freshening from southwest later; fair, apart from local fog at first; occasional scattered showers later; rather cold; ground frost locally at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	Freshening southwesterly winds; occasional squally showers of rain or hail; rather cold; ground frost locally at night.
5 S.W. England	As 1 - 2.
6 South Wales	
7 North Wales	Squally southerly or southwesterly winds strong or a gale at times; occasional showers of rain or hail with thunder in places and sleet on high ground; rather cold; ground frost locally at night.
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. Scotld. B.N.W. Scotld. land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Squally southwesterly winds, strong or gale at times; occasional showers of rain or hail with thunder in places; rather cold; ground frost locally at night.
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 deep depression is centred northwest of Scotland, and a secondary is moving across Northern France. There will be gales and squally showers of rain or hail in the north and west with sleet on the high ground. In the south however, there will be some local mist or fog which will clear during the night. It will be rather cold generally with ground frost locally at night.

FURTHER OUTLOOK.

Winds moderating but renewed rain and storms probably spreading from the west.

Times of Issue of Gale Warnings.

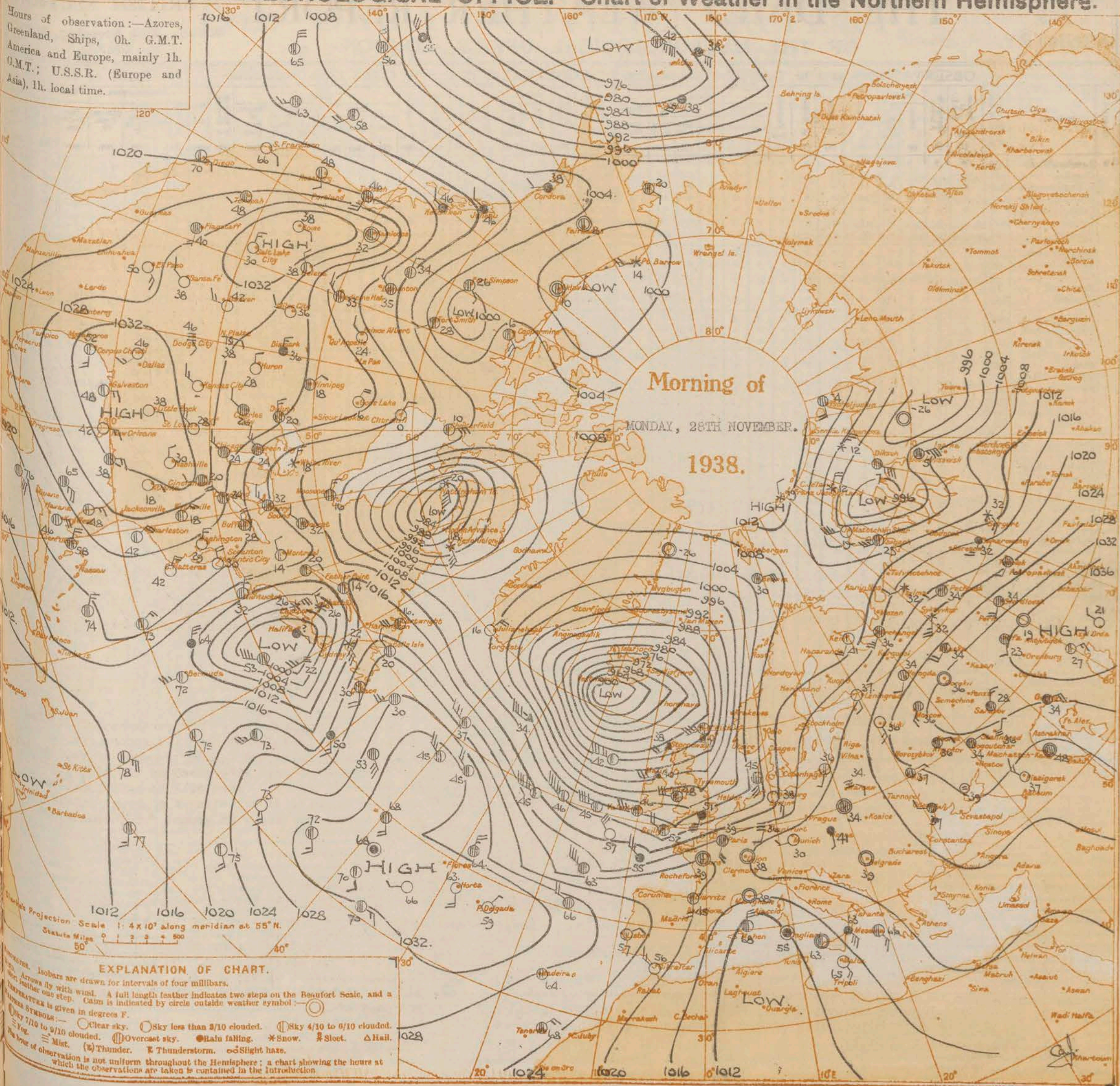
South Cone hoisted at 0400 on 27/11/38 in districts 13, 17, 20 and part of 18; at 0945 in district 16; at 1430 in districts 6, 7, 8, 10, 11, 12, 15, 19, remainder of 18 and part of 5.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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. O.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 28th November, 1938.

No. 28130.

OBSERVATIONS at 1 hr. G.M.T. 28th November														OBSERVATIONS at 7 hr. G.M.T. 28th November														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9-13)					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. (18)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23-27)					State of Ground. (29)	Sea. (30)	TEMPERATURE. (31-33)			RAINFALL. (34-35)		SUR- FACE WIND. (36)		
					Direc.	Force					Form.	Amount.	Height of Base. (feet)	Direc.	Force			Form.	Amount.					Height of Base. (feet)	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)							
																																Low (9)	Med. (10)	High (11)	Low 0-10 (12)		Total 0-10 (13)	Low (23)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1003.1	+6	W	2	C	49	92	7	5	2	-	4-6	10	1500	1	*	47	47	45	0.2	7	4.6			
	Croydon	217	1004.1	-28	SSW	5	rr	51	92	6	6	2	-	9+10	800	1003.2	+6	WS	3	C	49	92	7	5	7	-	7-8	10	1500	1	*	48	46	45	0.1	6	4.9	
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	1003.4	+4	WSW	2	C	45	97	6	5	2	-	9+	-	-	1	*	48	45	39	0.2	7	3.0			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1003.5	+6	SWW	1	bdr	44	97	6	5	3	-	4-6	4-6	2500	1	*	46	43	39	0.2	7	2.6			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1004.4	+4	WSW	2	C	48	92	7	5	7	-	2-3	7-8	2500	1	1	52	48	45	Tr	3	5.7			
	Lympe	346	1007.2	-34	SSW	6	ido	47	97	7	6	-	-	10	800	1004.3	-10	WNW	4	dd	48	97	5	6	-	10	10	220	1	\$3	48	46	40	Tr	3	6.4		
	Manston	154	1006.4	-26	SSW	6	ir	49	85	6	5	-	-	9+	800	1002.9	-6	WN	3	dr	49	92	4	6	2	-	9+	10	450	1	*	48	46	44	-	3	4.5	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1003.2	+12	WSW	1	rr	49	97	6	5	2	-	4-6	10	1500	1	*	48	47	44	Tr	2	4.5			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1002.8	+2	W	2	rr	50	92	7	5	2	-	7-8	10	450	1	2	48	47	47	Tr	10	6.0			
	Gorleston	5	1003.1	-36	SSW	6	rr	47	92	6	6	-	-	10	800	1001.6	+14	W	2	rr	50	92	6	5	7	-	10	1500	1	3	45	44	44	0.3	5	3.3		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1002.0	+14	WSW	3	bdr	44	92	7	5	7	-	2-3	4-6	1000	1	*	45	43	35	0.5	5	2.9			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1001.2	+12	W	2	zo	38	97	6	5	3	1	2-3	7-8	2500	1	*	45	38	32	0.5	5	2.9			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1001.9	+6	SW	2	C	41	85	7	-	7	-	0	7-8	-	1	*	44	41	36	3	7	1.1			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1004.0	+4	WSW	2	zo	39	97	6	5	3	9	2-3	7-8	2500	1	*	46	38	29	2	5	0.3			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1002.0	+4	SSW	2	C	44	85	7	5	1	-	7-8	9+	2500	1	*	49	43	35	0.3	5	0.3			
5	Hartland Point	299	1002.3	+16	NW	5	ir	51	92	8	-	2	-	10	800	1001.8	-6	W	4	C	49	85	8	6	4	-	2-3	7-8	800	1	4	53	47	44	0.1	9	0.6	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1002.8	-4	SW	1	C	45	92	7	5	7	-	7-8	9	2500	1	*	49	44	36	0.3	10	0.6			
	Portland Bill	32	1002.1	-34	WSW	7	RR	52	92	7	5	-	-	10	800	1002.8	-6	WNW	3	C	51	92	7	5	2	-	7-8	10	1500	1	4	53	50	44	0.4	7	0.0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1003.5	-4	-	0	zo	48	92	6	5	7	-	9+	10	1500	1	2	53	48	42	2	7	0.0			
	The Lizard	240	1004.2	+8	WNW	5	RR	51	97	6	5	-	-	10	1500	1004.0	-4	WN	3	C	49	92	8	8	2	-	7-8	5	2500	1	3	54	48	*	2	5	0.0	
	Scilly (St. Mary's)	163	1004.7	+2	WNW	4	C	52	85	7	5	-	-	7-8	7-8	1500	1003.7	-6	WNW	4	C	48	85	8	8	6	-	4-6	5+	1500	1	3	54	47	*	2	7	0.0
	Guernsey	175	1006.2	-24	SSW	5	rr	54	97	4	5	-	-	10	800	1004.5	-6	WSW	1	C	50	97	7	8	-	10	10	1500	1	4	51	50	45	Tr	7	1.2		
6	Pembroke	142	1001.9	+14	WNW	4	bdr	51	75	7	5	7	-	1	2-3	2500	1000.3	-4	WS	4	C	49	75	8	8	-	3	9	1500	1	3	55	48	*	3	5	0.0	
7	Holyhead	26	998.2	+74	W	6	C	48	55	7	8	-	-	7-8	7-8	2500	998.4	-2	WS	4	bc	46	65	8	2	-	2-3	2-3	2500	1	3	54	45	41	13	6	0.0	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	999.7	+2	SW	2	b	41	85	7	5	-	-	1	1	4000	1	*	48	40	31	3	2	0.0			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	999.8	+10	SW	3	zo	39	85	6	-	3	-	0	2-3	-	1	*	45	39	31	3	4	0.3			
10	Spurn Head	29	996.7	-20	SSW	5	ir	49	92	7	5	-	-	10	1500	999.7	+12	SW	3	C	42	92	6	5	-	7	4-6	10	2500	1	3	44	42	*	0.3	6	3.1	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	997.3	+10	WS	4	b	42	65	8	-	4	-	0	1	-	1	*	43	40	34	0.3	4	0.3			
	Tynemouth	108	993.7	+8	SW	3	bdr	47	85	7	2	-	-	4-6	46	1500	996.2	+16	WSW	3	bdr	38	85	7	2	-	2-3	2-3	1500	1	2	43	38	34	1	1	0.0	
11	St. Abbs Head	290	996.6	0	WSW	6	bdr	43	65	8	4	3	-	1	2-3	2500	992.0	+8	WSW	6	bdr	38	65	8	4	-	2-3	2-3	2500	0	3	44	37	*	Tr	-	0.0	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	991.6	+20	SW	3	bc	34	92	8	8	-	-	4-6	4-6	2500	1	*	48	34	30	1	Tr	0.0			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	992.0	+2	SWW	4	C	41	85	7	2	6	-	4-6	7-8	4000	1	*	50	36	34	8	1	0.0			
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	995.3	+8	SWW	3	bc	34	85	8	8	-	-	2-3	2-3	1500	3	*	46	34	30	13	2	0.0			
	Point of Ayre	30	995.4	+16	WNW	5	b	45	75	6	4	-	-	1	1	4000	995.8	+2	W	5	bc	41	75	8	4	4	-	4-6	4-6	4000	1	2	54	38	*			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Tuesday, 29th November, 1958.
No. 28131.

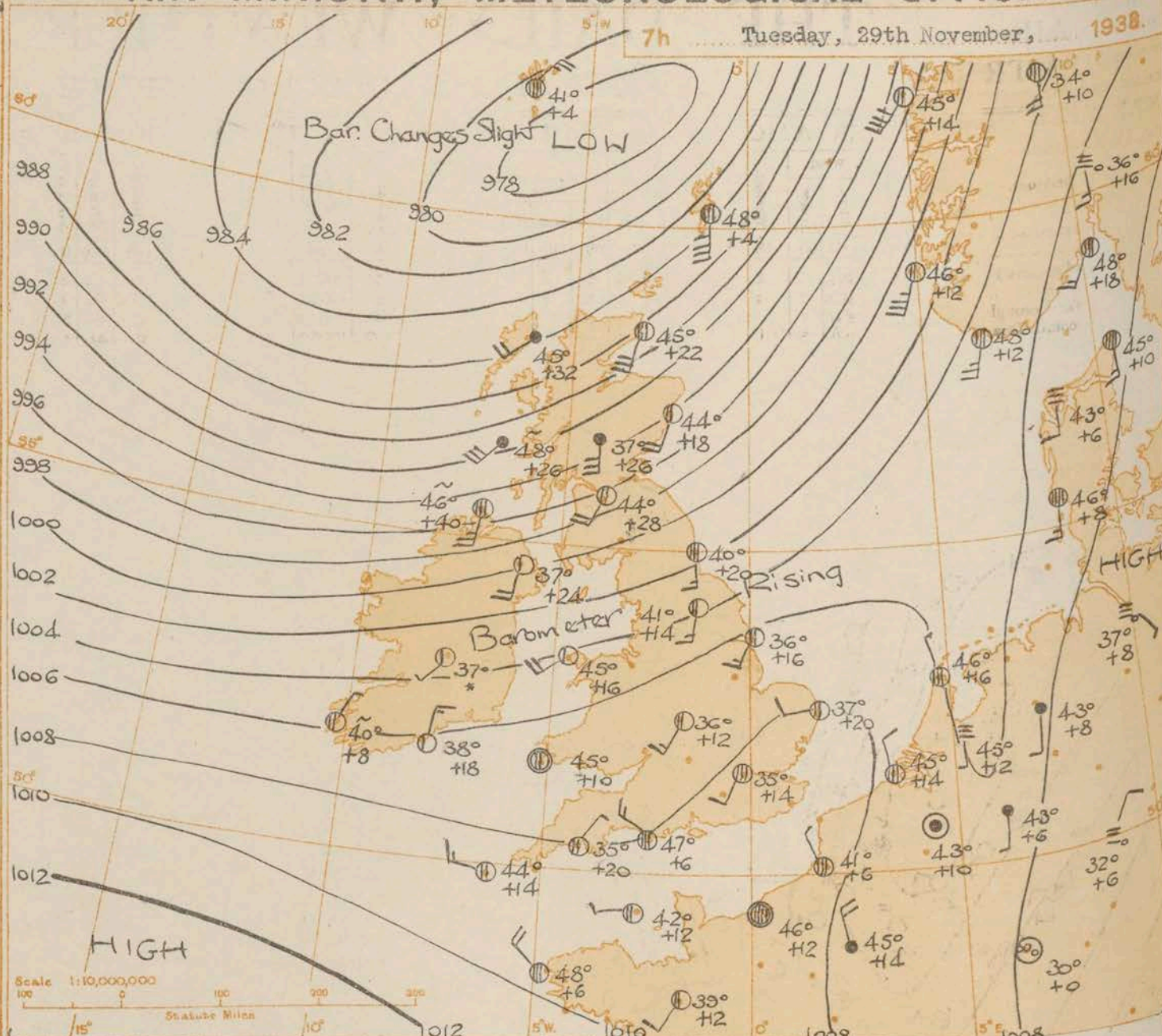
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 28th November.														OBSERVATIONS at 18h. G.M.T. 28th November.														PAST 24 HOURS.									
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.									
				Dir.	Force 0-12					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Dir.					Force 0-12	Low	Med.	High	Low 0-10			Total 0-10	Height of Base (feet)	Th.—13h. 28th.	13h.—18h. 28th.	18h.—28th 1h. 29th.	28th 1h.—7h.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1	London (Kew)	1002.4	-14	SSW	2	z.	49	92	5	5	2	6	7-8	10	1500	1003.6	+14	WS	2	z.	45	85	5	5	2	3	10	2500	1	*	csm.	cpr.csm.	csm.bob	bcmx					
	Croydon	1003.1	-6	SES	2	z.	49	85	6	5	7	-	2-3	10	5700	1003.6	+12	WN	1	m	46	85	4	-	7	-	0	10	-	*	cm.	cpr.csm.	csm.bob	bcmx					
	S. Farnborough	1002.6	-8	SW	1	c	49	85	6	1	7	-	Tr	9+	2500	1003.9	+16	WS	1	c	42	85	7	5	1	-	2-3	10	1500	1	*	cm.csm.	cm.c	c.bx	bcmx				
	Boscombe Down	1002.7	-4	SWW	3	ir.	49	85	7	6	7	-	4-6	10	1500	1004.3	+14	SWW	1	c	41	92	7	-	1	-	0	9+	-	1	*	bc.cfm.	cinc	c.bx	bcmx				
	Calshot (Stmnt.)	1003.7	-2	SWW	2	c	51	92	6	5	7	8	2-3	9+	4000	1004.8	+10	WSW	2	c	44	85	8	-	1	-	4-6	7-8	4000	1	1	*	bc.cfm.	cinc	c.bx	bcmx			
	Lympne	1004.0	-14	-	0	c	49	97	6	5	2	-	3	10	1500	1004.3	+8	WS	2	c	45	97	6	5	7	-	4-6	7-8	4000	1	2	*	bc.cfm.	cinc	c.bx	bcmx			
	Manston	1003.0	-12	-	0	z.	50	75	6	5	7	-	7-8	10	4000	1002.9	+10	SWW	2	z.	45	92	5	-	7	-	0	2-3	-	1	*	cm.csm.	cinc	c.bx	bcmx				
2	Shoeburyness	1003.1	-8	SE	1	z.	50	92	5	5	1	-	7-8	10	5700	1003.0	+6	SSW	2	m	48	92	4	5	-	-	10	10	4000	1	*	crr.csm.	cm.csm.	cme	ebcx				
	Felixstowe	1003.3	-2	SE	1	z.	49	85	6	5	7	7	2-3	9+	4000	1003.1	+6	NE	1	m	46	92	4	5	7	-	4-6	9+	2500	1	2	*	crr.csm.	cm.csm.	cme	ebcx			
	Gorleston	1003.0	-4	WSW	1	c	47	85	6	5	-	-	3	9	2500	1002.7	0	SSW	1	c	47	75	6	5	3	-	4-6	7-8	2500	1	2	*	crr.csm.	cm.csm.	cme	ebcx			
	Mildenhall	1002.3	-6	SW	2	z.	47	85	6	-	7	-	0	9+	-	1002.7	+10	SES	1	c	42	97	6	5	-	-	7-8	7-8	2500	1	*	bc.csm.	cm.csm.	cme	ebcx				
	Cranwell	1001.5	-6	S	2	z.	47	75	6	5	7	6	4-6	9+	5700	1001.5	+2	SWS	2	z.	39	92	5	-	7	8	0	9	-	1	*	cm.	cm.csm.	cme	ebcx				
3	Birmingham	1001.8	-4	SW	2	c	42	85	6	6	2	-	4-6	10	2500	1002.3	+4	SSW	2	c	40	92	6	-	-	8	0	7-8	-	1	*	bc.csm.	cinc	c.bx	bcmx				
4	Upper Heyford	1002.1	-10	WSW	1	z.	46	97	6	5	7	-	2-3	9+	4000	1003.6	+10	SW	1	c	39	97	7	5	-	-	9+	10	2500	1	*	bc.csm.	cinc	c.bx	bcmx				
	Ross-on-Wye	1002.1	0	SW	2	c	44	85	7	9	2	-	1	9+	2500	1002.5	+12	WN	3	bc	42	75	6	8	1	-	1	2-3	2500	1	*	crr.csm.	cinc	c.bx	bcmx				
5	Hartland Point	1002.3	0	WNW	4	c	47	75	8	8	6	2	4-6	7-8	1500	1002.8	+8	W	5	c	47	65	8	8	-	-	7-8	7-8	1500	1	4	*	crr.csm.	cinc	c.bx	bcmx			
	Bristol	1003.2	+6	W	3	ir.	45	85	7	6	7	-	4-6	9+	2500	1003.5	+12	WSW	2	c	42	85	7	5	1	-	4-6	9	2500	1	4	*	crr.csm.	cinc	c.bx	bcmx			
	Portland Bill	1003.1	-10	W	4	c	50	92	7	5	-	-	10	10	1500	1004.2	+14	WNW	4	c	48	92	8	5	-	-	7-8	7-8	2500	1	4	*	crr.csm.	cinc	c.bx	bcmx			
	Plymouth	1004.4	+4	WN	2	c	49	75	8	8	4	3	2-3	9	1500	1005.2	+10	W	3	b	45	75	8	8	-	-	1	1	2500	1	1	*	crr.csm.	cinc	c.bx	bcmx			
	The Lizard	1004.9	+4	WNW	4	c	48	65	8	8	6	-	7-8	7-8	2500	1006.2	+8	WNW	5	bc	46	75	8	8	6	-	4-6	4-6	2500	1	2	*	crr.csm.	cinc	c.bx	bcmx			
	Scilly (St. Mary's)	1004.6	0	WNW	5	c	49	65	8	8	4	3	4-6	7-8	2500	1005.1	+4	W	6	bc	46	65	8	8	4	-	4-6	4-6	1500	1	3	*	crr.csm.	cinc	c.bx	bcmx			
	Guernsey	1004.0	-2	WN	3	c	51	85	7	8	-	-	10	10	1500	1005.5	+20	WNW	2	c	48	65	9	8	1	-	7-8	7-8	1500	1	2	*	crr.csm.	cinc	c.bx	bcmx			
6	Pembroke	1001.6	-2	WS	6	c	45	75	7	8	-	-	7-8	7-8	1500	1001.2	+4	SWW	6	c	47	65	7	3	-	-	7-8	7-8	1500	1	3	*	crr.csm.	cinc	c.bx	bcmx			
7	Holyhead	998.4	-2	WSW	5	b	47	55	9	2	4	-	1	1	2500	997.7	+6	SWW	5	bc	46	55	8	8	5	-	4-6	4-6	2500	1	2	*	crr.csm.	cinc	c.bx	bcmx			
8	Chester (Sealand)	1000.1	-4	SSW	2	c	44	75	7	8	9	-	4-6	7-8	4000	1000.1	+6	SSE	2	z.	42	65	6	5	-	-	2-3	2-3	4000	1	*	crr.csm.	cinc	c.bx	bcmx				
	Manchester	1000.0	-2	S	3	z.	43	85	5	5	7	6	4-6	9+	4000	1000.2	+10	S	3	z.	39	85	6	-	-	0	0	-	-	-	1	*	crr.csm.	cinc	c.bx	bcmx			
10	Spurn Head	1001.0	0	SSW	3	0	46	85	6	-	7	0	10	-	-	1000.6	0	SSW	3	c	43	85	7	5	1	-	4-6	10	2500	0	2	*	crr.csm.	cinc	c.bx	bcmx			
	Catterick	998.1	-6	SW	4	z.	43	75	6	5	7	-	4-6	9+	1500	998.0	+4	SW	3	z.	40	85	6	9	-	-	1	1	1500	1	*	crr.csm.	cinc	c.bx	bcmx				
	Tynemouth	996.5	-4	SW	3	bc	45	65	8	-	-	-	2-3	2-3	2500	996.4	-4	SW	4	bc	41	75	6	5	-	-	2-3	2-3	1500	1	2	*	crr.csm.	cinc	c.bx	bcmx			
11	St. Abbs Head	992.7	-4	WSW	6	bc	43	65	8	4	1	1	2-3	2-3	4000	992.8	0	SSW	5	q	38	85	8	-	-	0	0	-	0	0	3	*	crr.csm.	cinc	c.bx	bcmx			
12	Leuchars	991.5	-4	SSW	5	b	42	65	8	8	-	-	1	1	2500	990.5	-6	SSW	4	b	41	75	8	5	-	-	1	1	2500	1	*	crr.csm.	cinc	c.bx	bcmx				
	RAF Leuchars	991.9	-6	SSW	5	bc	42	75	8	2	6	-	2-3	4-6	4000	990.9	-6	SW	5	z.	43	75	6	4	6	-	4-6	7-8	2500	1	*	crr.csm.	cinc	c.bx	bcmx				
	RAF Leuchars	994.3	-4	SSW	6	c	40	75	8	8	-	-	7-8	7-8	1500	993.6	-2	SSW	6	bc	39	92	8	8	-	-	2-3	2-3	1500	1	*	crr.csm.	cinc	c.bx	bcmx				
	Point of Ayre	995.3	-10	WS	6	bc	46	65	8	2	-	-	2-3	2-3	4000	995.0	+4	SWW	4	bc	43	75	8	4	-	6	2-3	4-6	1500	0	3	*	crr.csm.	cinc	c.bx	bcmx			
13	Tiree	982.6	-12	SSW	7	PR	42	92	7	9	-	-	3	9	1500	980.1	-10	SSW	7	ir	44	97	6	6	2	-	7-8	9	800	1	6	*	crr.csm.	cinc	c.bx	bcmx			
13	Stornoway	981.0	-14	SSW	7	PR	44	75	8	8	5	6	7-8	9	1500	977.1	-22	S	9	RR	43	97	6	8	2	-	3	10	1500	1	6	*	crr.csm.	cinc	c.bx	bcmx			
15	Dalwhinnie	*	-2	S	4	c	35	85	7	8	6	-	7-8	9+	2500	987.1	-12	S	6	c	36	85	6	8	6	-	7-8	9+	2500	4	*	crr.csm.	cinc	c.bx	bcmx				
	Aberdeen	990.3	-2	SSW	4	b	41	75	6	1	4	-	1	1	1500	989.9	+2	SSW	3</																				

REPORTS from HEALTH RESORTS for 28th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 27h. to 9h. 28h.	Max. 9h. 17h. to 9h. 28h.	Night. 17h. 27h. to 9h. 28h.	Day. 9h. 17h. to 9h. 28h.	
1	Tunbridge W.	O	OC	32	49	8	-	0.0
	Bournemouth	CO	RCO	37	50	9	1	0.0
	Ventnor	rou	opo	45	51	10	0.3	0.0
	Southsea	OC	OCOD	42	50	6	Trace	0.0
	Bognor Regis	cir	oir	35	50	6	Trace	0.0
	Littlehampton	C	CP.C	37	50	4	Trace	0.0
	Worthing	C	CO	41	51	3	Trace	0.0
	Brighton	O	BCBC	37	51	2	Trace	0.0
	Eastbourne†	O	OR.O	43	54	8	0.6	0.0
	Hastings†	amr.	PCCOM	46	53	8	0.5	0.0
	Folkestone	mo	oro	41	51	5	0.3	0.0
	Dover	od.O	oro	35	52	5	0.3	0.0
	Deal	O	CO.O	37	51	7	0.3	0.0
	Ramsgate	OC	O	46	50	5	-	0.0
	Margate	C	C	40	50	3	-	0.0
2	Southend	omeo	O	39	49	2	-	0.0
	Clacton-on-Sea	C	C	37	48	4	-	0.0
	Dovercourt	rbcc	bcc	43	49	4	-	0.0
	Lowestoft	cm.bc	bccm.	38	49	3	-	0.5
	Skagness	cb	bccor	35	50	10	Trace	1.3
	Mablethorpe...	bc	bccro	36	48	5	1	2.0
	Cleethorpes	cbc	bcc	35	50	6	-	1.5
3	Leamington S.	C	cor	38	47	6	0.6	0.1
4	Cheltenham†	mp	orroc	38	49	6	3	0.0
5	Bath	cp	pcbc	33	48	9	0.5	0.4
	Weymouth	mr.c	cb	47	52	8	0.1	0.0
	Jersey	rc	cpc	46	56	6	1	0.0
	Torquay	cm.	c.bc	36	49	5	0.2	1.6
	Falmouth	ovepc	bpcpc	44	49	10	0.3	2.5
	Penzance	repc	ppbc	45	49	10	0.5	3.8
	St. Ives							
	Bude...	orcp	cpbc	45	49	9	2	1.0
	Ilfracombe	orrO	orebc	45	49	9	2	0.4
6	Aberystwyth	prbc	bcc	43	50	10	-	1.7
7	Llandudno	C	bcb	44	49	2	-	3.2
	Colwyn Bay...	cpbc	eb	39	48	1	1	3.1
	Rhyl	cpce	bcb	37	47	1	0.6	2.7
8	Wallasey	bccpr	cbcb	39	47	3	0.5	2.2
	Southport	cpmbc	epcb	42	46	9	0.2	2.4
	Blackpool	embc	bcbm.	39	46	9	-	1.7
	Morecambe							
9	Ilkley	co	opoc	38	43	2	0.2	0.2
	Harrogate	bc	bcb	35	43	3	-	0.0
10	Berwick-on-T.	b	bc,hb	36	45	-	0.2	5.2
11	Dunbar	bc	bc	37	45	-	-	6.2
12	Troon	OCOC	OCOC	42	46	0.3	-	0.6
	Douglas	cir.	bc	41	46	1	-	4.6

† Max. Temp. for period 24h. yesterday to 17h. to-day; Min. Temp. 21h.-2h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th November, 1938.

1 S.E. England	Light variable winds; mainly fair, apart from occasional scattered showers, but local fog becoming dense at night, perhaps occasional rain later; average day temperature but frost locally at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	Light or moderate southwest winds; bright periods at first; occasional showers with more general rain later; rather cold; frost locally at night.
5 S.W. England	
6 South Wales	
7 North Wales	Moderate or fresh southwest winds; bright periods at first with occasional showers becoming cloudy later, with more general rain; rather cold; ground frost locally at night.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh southwest to south winds becoming strong later; bright periods at first with occasional showers of rain or hail, becoming cloudy later with some more general rain, sleet on high ground; rather cold; ground frost at night.
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Fresh or strong southwest to south winds, perhaps a gale in places; becoming cloudy; occasional rain later; average temperature.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

BAROMETRIC. 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 near the Faeroes is filling up and another depression south of Greenland will move east-northeast. It will be mainly fair in most districts apart from showers, though occasional rain will spread from the west later. In the south however, fog will become dense in some places at night.

FURTHER OUTLOOK.

Rain in eastern districts; temperature tending to rise.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.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.

36° +16

18° +18

45° +10

HIGH

37° +8

32° +6

nd

tricts

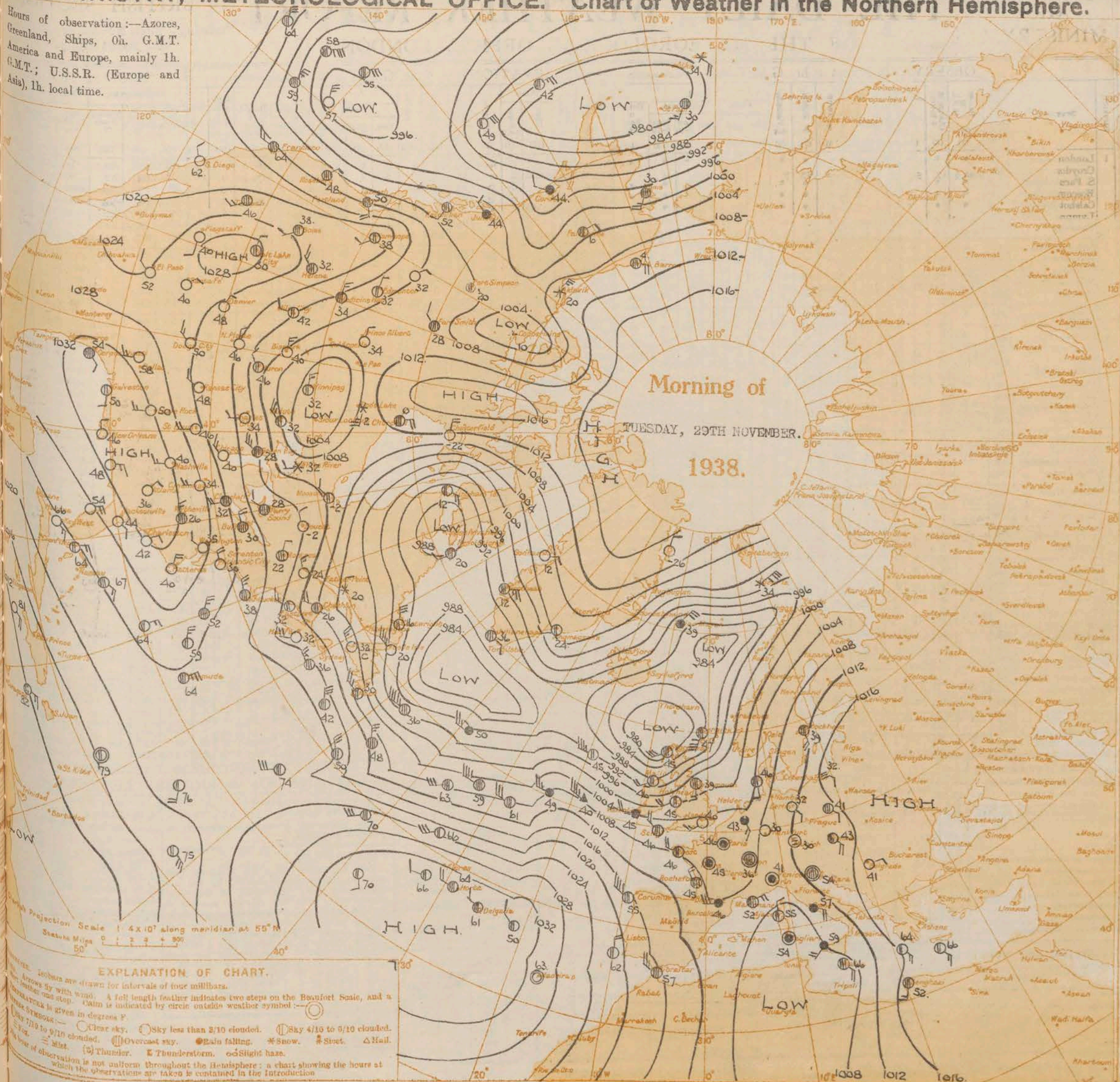
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11

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A.R.C.S.

ector.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
 Cloud symbols are given in degrees F.
 Sky 7/10 to 9/10 cloudy. ☁ Overcast sky. ☔ Rain falling. * Snow. † Sleet. △ Hail.
 ☁ Thunder. ☁ Thunderstorm. ☁ Slight haze.
 The time of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 29th November, 1938.
No. 28131.

OBSERVATIONS at 1 hr. G.M.T. 29th November.

OBSERVATIONS at 7 hr. G.M.T. 29th November.

PAST 24 HOURS.

DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity. 0-9	Cloud.				Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity 0-9	Cloud.				State of Ground. 0-9	Sea. 0-9	TEMPERATURE.			RAINFALL.		SUR- FACES.				
					Direc.	Force 0-12					Form.			Amount.			Height of Base (feet).	Direc.					Force 0-12	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.	
											Low	Med.	High	Low 0-10										Total 0-10	Low 0-10	Total 0-10			Low 0-10	Total 0-10								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1008.4	+6	0	m	34	92	4	5	3	2	2-3	7-8	2500	1	*	49	32	23	Tr	Tr	0.0				
	Croydon	217	1006.2	+3	SW	3	b	40	85	7	*	*	*	1008.3	+14	SW	2	e	35	92	6	5	4	-	2-3	9	5700	1	*	51	33	32	Tr	Tr	0.0			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1008.5	+14	0	bc	32	92	6	-	-	2	0	4-6	-	3	*	49	32	25	0.1	0.1	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1008.6	+18	0	c	35	85	7	5	7	-	4-6	7-8	2500	1	*	50	32	28	0.1	0.1	0.0				
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1008.8	+18	WN	1	bc	38	97	8	-	7	8	0	4-6	-	1	52	37	33	0.1	0.1	0.0				
	Lympne	346	1006.3	+6	NW	3	m	38	92	4	-	-	-	1009.3	+18	NW	2	e	33	92	7	-	7	8	0	7-8	-	1	52	37	33	0.3	0.3	0.0				
	Manston	154	1006.1	+10	W	2	m	40	92	4	-	-	-	1008.7	+12	WN	2	m	38	85	4	-	7	-	0	7-8	-	1	51	33	29	0.4	0.4	0.0				
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1008.5	+12	0	bc	38	92	7	-	7	-	0	4-6	-	1	*	50	35	26	0.1	0.1	0.0				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1008.3	+14	SW	1	m	39	92	4	5	3	-	1	7-8	2500	0	1	50	33	*	0.1	0.1	0.0			
	Gorleston	5	1005.5	+12	W	2	bc	41	85	6	-	4	-	0	2-3	-	1008.1	+20	WS	2	bc	37	92	6	3	-	0	2-3	-	1	50	37	34	0.2	0.2	0.0		
	Mildenhall	19	1004.3	+4	SSW	3	z	38	97	6	-	-	-	6	0	-	1007.4	+14	SW	3	z	36	92	5	-	1	2-3	4000	0	*	48	34	24	0.2	0.2	0.0		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1006.0	+18	WSW	3	z	35	92	6	5	7	-	2-3	7-8	4000	0	*	48	33	28	0.2	0.2	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1006.8	+12	SW	3	bc	36	92	6	-	7	-	0	4-6	-	1	*	45	34	30	0.1	0.1	0.0			
4	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1007.6	+12	SW	3	c	32	97	7	5	4	1	4-6	7-8	2500	1	*	47	32	23	0.5	0.5	0.0			
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1007.6	+12	SW	2	bc	36	92	6	5	7	-	2-3	2-3	4000	1	*	47	33	25	2	2	0.4			
5	Hartland Point	299	1004.2	+10	W	6	c	45	85	8	-	-	7-8	9	1500	1007.3	+18	S	3	c	45	75	8	8	2	-	4-6	9	1500	1	5	50	41	40	0.6	0.6	0.0	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1008.0	+14	0	bc	37	92	7	5	-	-	4-6	4-6	2500	1	3	47	36	28	0.3	0.3	0.0				
	Portland Bill	32	1005.4	+4	WNW	4	b	48	92	8	-	-	0	0	-	1007.9	+6	WNW	3	c	47	92	8	5	-	-	7-8	7-8	2500	1	3	52	45	*	0.3	0.3	0.0	
	Plymouth	82	1005.4	+4	W	4	bc	46	75	8	-	-	4-6	4-6	2500	1008.3	+20	NE	1	bc	35	92	8	8	-	-	2-3	2-3	2500	1	1	50	35	31	0.1	0.1	0.0	
	The Lizard	240	1006.4	+4	W	4	c	46	75	8	-	-	4-6	7-8	1500	1008.2	+10	WN	4	pr	45	75	8	8	-	-	4-6	4-6	2500	1	2	49	42	*	1	1	0.4	
	Scilly (St. Mary's)	163	1006.3	+8	WNW	4	c	46	75	8	-	-	4-6	7-8	1500	1008.2	+14	WN	3	bc	44	75	8	2	-	-	2-3	2-3	2500	1	3	50	43	*	1	1	0.0	
	Guernsey	175	1006.8	+2	WNW	1	bc	45	75	9	-	-	0	4-6	-	1008.7	+12	WS	1	bc	42	85	8	2	3	-	4-6	4-6	1500	1	2	52	41	32	1	1	0.0	
6	Pembroke	142	1003.7	+12	WS	3	o/n	46	75	7	5	-	-	10	10	1500	1007.5	+10	0	bc	45	75	7	8	3	-	4-6	4-6	1500	1	2	50	43	*	2	3	2.2	
7	Holyhead	26	1000.1	+14	WSW	4	bc	45	75	8	-	-	8	0	2-3	-	1004.1	+16	WSW	4	b	45	75	8	7	-	Tr	Tr	4000	1	2	49	44	41	Tr	Tr	5.0	
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1005.4	+22	SSE	1	z	39	85	6	5	-	-	2-3	2-3	2500	1	*	45	36	30	0.2	0.2	1.2			
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1005.2	+20	SSE	1	z	35	92	6	5	-	-	1	1	4000	1	*	44	35	28	0.1	0.1	0.1			
10	Spurn Head	29	1002.5	+4	SW	4	bc	40	85	7	-	-	0	2-3	-	1006.1	+16	SW	3	bc	36	92	7	-	4	-	0	2-3	-	1	46	36	*	Tr	Tr	0.3		
	Catterick	175	997.8	+8	S	3	c	39	85	6	-	-	7-8	7-8	1500	1003.2	+14	SW	3	bc	41	85	8	8	3	3	4-6	4-6	2500	1	*	44	35	30	-	-	0.4	
	Tynemouth	108	997.8	+8	S	3	c	39	85	6	-	-	7-8	7-8	1500	1001.7	+20	S	3	c	40	85	8	8	-	-	7-8	7-8	1500	1	1	45	38	34	-	-	2.4	
11	St Abbs Head	280	993.6	+16	SW	6	bc	41	85	8	4	5	-	2-3	2-3	2500	998.4	+20	SSW	4	bc	41	75	8	5	4	1	2-3	4-6	2500	0	3	43	38	*	Tr	Tr	5.9
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	995.8	+20	SW	5	bc	42	85	7	5	-	-	4-6	4-6	1500	1	*	43	40	36	-	-	0.9			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	997.2	+28	SW	4	bc	44	85	8	5	3	1	4-6	4-6	2500	1	*	44	40	38	Tr	Tr	2.0			
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1000.1	+14	SW	5	bc	40	85	8	5	-	-	2-3	2-3	200	1	*	42	37	33	0.1	0.1	5.5			
	Point of Ayre	30	997.6	+24	W	5	b	44	85	8	4	-	-	Tr	Tr	2500	1001.8	+24	W	4	b	43	85	8	4	-	1	1	2500	1	3	47	42	*	-	-	0.2	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	990.4	+26	SW	6	pr	48	92	7	8	-	-	9	9	1500	1	5	45	44	40	11	1	0.2			
13B	Stornoway	30	973.0	+16	SW	6	c/pr	45	85	7	8	-	-	9	9	1500	984.9	+32	WSW	4	pr	48	85	7	8	-	-	7-8	7-8	1500	1	2	46	41	*	5	5	0.9
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	992.9	+26	S	6	QR	37	92	6	6	-	-	10	10	1500	2	*	36	34	32	6	22	0.8			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	993.0	+18	SSW	4	bc	44	75	6	5	3	-	-	2-3	2-3	1500	1	1	41	38	34	-	-	3.4		
	Wick	81	983.1	+2	SSW	8	bc	45	85	8	5	7	-	2-3	4-6	1500	987.1	+22	SSW	6	c	45	85	8	5	7	-	4-6	7-8	1500	1	3	44	43	*	1	0.4	1.8
16	Lerwick	156	983.1	-20	SSW	8	c	47	75	8	5	3	-	7-8	9	800	984.4	+4	S	8	c	48	85	8	9	7	-											

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0.2
etc.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Wednesday 30th November, 1938.

No. 28132.

District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 29th November.														OBSERVATIONS at 18h. G.M.T. 29th November.														PAST 24 HOURS.						
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.						
				Dir.	Force					Form.	Amount.	Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.					Amount.	Height of Base (feet)	7h.—13h. 29th.	13h.—18h. 29th.	18h.—24h. 30th.			1h.—7h. 30th.						
	(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)	1010.2	0	SW	1	c	43	85	3	-	3	1	0	7-8	-	1011.4	+8	S	2	bc	38	92	3	-	-	-	0	0	-	1	*	bcm of xcf	bcm bfx	bfx cm	emerge	
	Croydon	1010.1	0	WSW	2	z	45	75	6	-	4	2	0	9	-	1011.5	+10	S	3	bc	37	92	4	-	3	-	0	0	-	1	*	cm	cm	bmf bcm	bcm	
	S. Farnborough	1010.0	-4	WSW	1	bc	47	75	8	1	3	2	Tr	4-6	2500	1011.1	+8	-	0	z	38	92	5	-	3	-	0	Tr	-	1	*	cm	cm	bmf bcm	bcm	
	Boscombe Down	1009.9	-6	WSW	2	z	48	75	6	7	-	8	Tr	2-3	2500	1011.1	+8	SW	2	z	37	92	6	5	2	-	2-3	4-6	2500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Calshot (Schmtn.)	1010.7	+2	WNW	1	z	45	85	6	-	3	-	0	1	-	1011.9	+6	SW	1	z	41	92	6	8	-	-	1	1	4000	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Lympne	1011.5	+4	NNW	1	z	42	85	5	-	3	-	0	9+	-	1012.7	+6	WSW	2	z	40	85	6	-	3	-	0	9+	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Manston	1010.4	+6	W	1	z	41	75	6	5	7	-	4-6	9+	5700	1011.4	+6	SW	2	c	41	85	6	-	3	-	0	9+	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
2	Shaoburness	1009.9	+6	SW	2	c	44	85	5	5	1	-	4-6	9+	7200	1011.0	+8	SSW	1	m	43	92	4	-	3	-	0	9+	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Felixstowe	1010.1	+6	SW	1	z	42	85	5	-	3	-	0	9+	-	1011.2	+8	SSW	1	cf	43	85	3	-	7	-	0	9+	-	0	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Gorleston	1009.3	0	WN	2	c	41	85	6	5	-	-	9+	9+	2500	1010.5	+4	WSW	2	c	40	92	6	5	-	-	10	10	2500	0	2	*	bcm, bmo	bmo, bcm	bcm	bcm
	Mildenhall	1009.5	+2	SSW	2	z	42	85	6	-	7	-	0	9+	-	1010.1	+6	SW	2	z	39	92	6	5	-	-	Tr	Tr	5700	0	*	bcm, bmo	bmo, bcm	bcm	bcm	
	Cranwell	1008.7	+6	WSW	3	z	43	85	5	-	1	6	0	9	-	1009.4	+6	SW	2	z	37	92	6	-	-	-	0	0	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
3	Birmingham	1008.6	0	WSW	2	b	44	75	6	-	-	-	0	0	-	1009.5	+4	SSW	2	b	39	92	6	-	-	-	0	0	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Upper Heyford	1009.7	-4	S	1	z	45	75	6	-	7	1	0	2-3	-	1010.7	+6	SSW	1	b	37	97	5	-	-	-	0	0	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Roos-on-Wye	1008.9	-4	WS	2	z	48	65	6	1	-	-	Tr	Tr	4000	1009.2	0	S	2	z	41	85	6	-	7	-	0	0	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
4	Hartland Point	1008.8	-2	WSW	3	bc	47	75	8	2	6	-	4-6	4-6	1500	1008.3	0	W	3	c	45	85	8	8	2	-	7-8	9	1500	1	3	*	bcm, bmo	bmo, bcm	bcm	bcm
	Bristol	1009.5	-2	SSW	2	b	49	65	8	3	4	-	1	1	2500	1010.1	0	SE	1	bc	41	85	6	5	7	-	2-3	4-6	2500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Portland Bill	1009.9	+4	W	3	bc	51	85	8	1	-	-	2-3	2-3	2500	1010.2	+6	W	3	c	48	92	8	5	4	-	4-6	7-8	2500	1	3	*	bcm, bmo	bmo, bcm	bcm	bcm
	Plymouth	1010.1	+2	SSW	1	z	50	75	6	8	-	-	4-6	4-6	2500	1009.9	-4	SW	3	c	48	75	7	8	7	-	4-6	9+	2500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	The Lizard	1009.9	+4	WSW	3	bc	49	75	8	8	-	-	4-6	4-6	2500	1010.1	0	SW	4	pr	48	75	8	8	6	-	4-6	7-8	2500	1	3	*	bcm, bmo	bmo, bcm	bcm	bcm
	Scilly (St. Mary's)	1009.7	-2	SW	3	bc	51	85	8	2	-	4	4-6	4-6	2500	1008.9	-4	SW	3	c	48	65	8	2	1	-	2-3	10	2500	1	2	*	bcm, bmo	bmo, bcm	bcm	bcm
	Guernsey	1010.4	+2	WSW	1	bc	50	55	9	8	-	-	4-6	4-6	2500	1011.1	+2	SE	1	bc	44	85	9	8	1	-	4-6	4-6	2500	1	2	*	bcm, bmo	bmo, bcm	bcm	bcm
6	Pembroke	1008.0	-2	WSW	4	bc	50	65	8	2	4	-	4-6	4-6	1500	1007.2	-4	SW	5	c	49	65	7	8	2	-	7-8	9+	1500	1	3	*	bcm, bmo	bmo, bcm	bcm	bcm
7	Holyhead	1006.2	+4	WSW	4	b	50	55	8	2	-	-	1	1	2500	1004.6	-8	SW	4	c	47	75	8	8	-	7	4-6	10	2500	1	2	*	bcm, bmo	bmo, bcm	bcm	bcm
	Chester (Sealand)	1007.5	+4	SE	2	bc	47	75	7	1	-	-	2-3	2-3	2500	1007.6	+2	SE	2	z	39	92	5	5	-	-	2-3	2-3	4000	1	*	bcm, bmo	bmo, bcm	bcm	bcm	
8	Manchester	1007.3	-2	S	3	z	45	75	5	-	-	-	0	0	-	1007.7	+2	S	3	z	40	85	6	-	5	6	0	7-8	-	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
10	Spurn Head	1007.4	+4	WSW	3	c	42	85	6	-	2	8	0	7-8	-	1009.0	+4	SSW	3	b	39	92	5	-	-	-	0	0	-	1	2	*	bcm, bmo	bmo, bcm	bcm	bcm
	Catterick	1005.6	+8	WS	2	z	48	75	6	5	-	-	2-3	2-3	1500	1006.2	+2	SE	2	z	41	75	6	5	-	-	1	1	1500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Tynemouth	1003.4	+6	S	3	bc	48	65	6	2	-	-	2-3	2-3	2500	1005.0	+4	S	3	bc	43	75	6	2	-	-	2-3	2-3	1500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
11	St. Abbs Head	999.2	-2	WSW	6	bq	45	65	8	4	-	-	1	1	2500	1001.6	0	SW	4	b	41	75	8	4	-	-	Tr	Tr	2500	0	3	*	bcm, bmo	bmo, bcm	bcm	bcm
	Leuchars	999.0	+10	WSW	5	bc	46	75	7	2	-	9	4-6	4-6	1500	1000.1	+6	SW	4	b	42	75	7	5	-	-	1	1	2500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Renfrew (Abbots L.)	1000.0	+10	SW	5	bc	47	85	8	4	6	-	4-6	4-6	4000	1000.8	+2	SSW	3	z	44	85	6	4	1	-	4-6	7-8	2500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Bakdalemuir	1002.3	+4	SW	6	bc	43	75	8	5	-	-	2-3	2-3	1500	1002.9	0	SSW	4	bc	39	85	8	5	-	-	4-6	4-6	1500	1	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Point of Ayre	1004.2	+6	W	5	bc	43	75	7	2	-	-	2-3	2-3	2500	1003.5	-2	SW	3	c	42	85	8	2	2	7	2-3	10	2500	1	2	*	bcm, bmo	bmo, bcm	bcm	bcm
13	Tiree	994.4	+8	SW	6	c/pr	45	92	7	8	-	-	7-8	7-8	1500	994.2	-8	SSW	3	c	40	85	7	8	7	-	4-6	7-8	1500	1	4	*	bcm, bmo	bmo, bcm	bcm	bcm
	Stornoway	990.2	+12	SW	3	ir	46	85	7	8	-	-	7-8	7-8	1500	991.5	+8	SSW	3	c	38	92	6	6	-	-	10	10	1500	2	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Dalwhinnie	996.5	+8	SW	6	RR	39	92	7	6	2	-	4-6	10	1500	997.9	+12	SW	6	RR	38	92	6	6	-	-	10	10	1500	2	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Aberdeen	996.8	+10	SSW	4	c	46	75	7	5	7	-	7-8	7-8	1500	998.4	+10	SW	2	b	44	75	7	5	-	-	10	10	1500	2	1	*	bcm, bmo	bmo, bcm	bcm	bcm
	Wick	991.9	+20	SSW	5	c	47	85	8	5	7	4	4-6	7-8	1500	993.4	+2	SSW	5	c	43	92	8	5	7	8	4-6	9+	1500	1	3	*	bcm, bmo	bmo, bcm	bcm	bcm
	Lerwick	988																																		

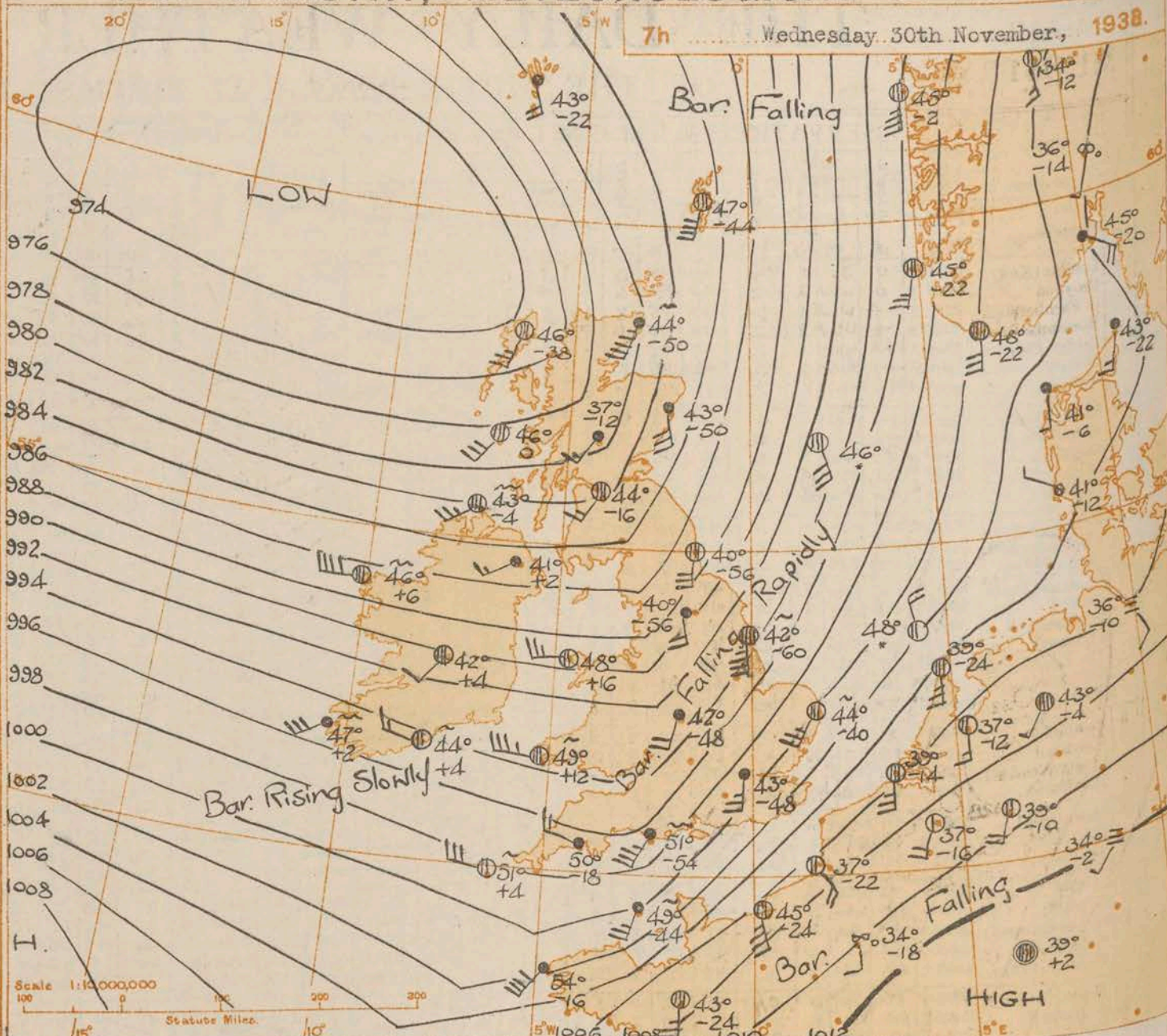
REPORTS from HEALTH RESORTS for 29th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hr)
		Fore-noon.	After-noon.	Min. 9h. 28th to 9h. 29th.	Max. 9h. 17h. 29th.	Night. 17h. 28th to 9h. 29th.	Day. 9h. 17h. 29th.	
1	Tunbridge W.	fbcco	occcb	30	42	-	-	0.9
	Bournemouth	b	b	35	49	-	-	6.2
	Ventnor	obc	b	41	51	-	-	5.0
	Southsea	obc	bc	36	47	-	-	4.3
	Bognor Regis	bcc	bc	36	47	-	-	2.5
	Littlehampton	c	cbc	33	48	-	-	1.9
	Worthing	c	cbcb	36	48	-	-	1.7
	Brighton	cbc	bc	36	47	-	-	0.8
	Eastbourne	co	ocb	36	44	-	-	0.5
	Hastings	coc	bcc	38	46	Trace	-	0.2
2	Folkestone	o	o	39	47	-	-	0.0
	Dover	bcc	cbcc	38	47	-	-	0.0
	Deal	oco	o	37	46	-	-	0.2
	Ramsgate	c	c	39	46	-	-	0.0
	Margate	c	c	39	45	Trace	-	0.0
	Southend	bcc	cocm	38	43	Trace	-	0.1
	Clacton-on-Sea	xcm	cm	36	42	-	-	0.0
	Dovercourt	bcc	bcm	35	42	Trace	-	0.4
	Lowestoft	c	cbmb	34	41	-	-	0.0
	Skegness	cbc	bcco	32	42	Trace	-	1.5
3	Mablethorpe	bc	bcbm	31	42	Trace	-	0.8
	Cleethorpes	bcc	cbcc	34	42	-	-	1.8
	Leamington S.	bc	bcm	32	46	0.1	-	4.0
	Cheltenham	bcrb	b	32	47	-	-	5.7
	Bath	b	b	30	49	Trace	-	6.6
	Weymouth	b	b	35	52	Trace	-	6.6
	Jersey	pcbc	bcepc	42	53	Trace	2	4.3
	Torquay	bmb	b	30	51	-	-	7.3
	Falmouth	b	b	38	55	-	-	6.0
	Penzance	b	bbcc	38	51	Trace	-	5.7
4	St. Ives	bcp	bc	40	50	4	Trace	5.5
	Bude	pcbc	bcpbc	41	49	2	Trace	5.0
	Ilfracombe	prbc	bce	40	48	5	-	5.3
	Aberystwyth	bcb	bcb	42	50	-	Trace	4.9
	Llandudno	bcb	bcb	40	52	-	0.5	4.7
	Colwyn Bay	bcb	bcb	37	49	-	Trace	4.7
	Rhyl	bcb	bcb	38	49	-	-	5.3
	Southport	bzb	bcb	36	50	Trace	0.3	4.7
	Blackpool	bmb	bcb	38	50	Trace	0.3	5.5
	Morecambe	bcb	bcb	38	46	0.3	-	4.8
5	Harrogate	b	b	37	45	-	-	3.5
	Berwick-on-T.	bbe	b	39	47	Trace	-	5.8
	Donbar	bc	bc	39	47	-	-	6.1
	Troon	cbcc	cbcco	41	48	6	-	3.2
	Douglas	cio	b	41	48	1	-	5.1
	13	A. W. Scotl.	B. N. W. Scotl.	land.	Strong squally west or southwest winds a gale at times; mainly cloudy; occasional showers of rain or hail; sleet on high ground; average temperature.			
	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						

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

AIR MINISTRY, METEOROLOGICAL OFFICE

7h Wednesday 30th November, 1938.



Scale 1:10,000,000
Statute Miles.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th November, 1938.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th November, 1938.
1 S.E. England	Fresh or strong squally westerly winds, a gale locally, moderating slowly and backing; becoming mainly cloudy; occasional showers of rain or hail; occasional rain later, with chance of local fog; average temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Fresh or strong squally westerly winds a gale locally; moderating slowly; mainly cloudy; occasional showers of rain or hail; average temperature.
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. Scotl. B. N. W. Scotl. land.	Strong squally west or southwest winds a gale at times; mainly cloudy; occasional showers of rain or hail; sleet on high ground; average temperature.
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	

As 6 - 12.

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 depression northwest of Scotland will move northeast and it is probable that a secondary is developing north of the Azores and will move eastwards. There will be showers of rain or hail in most districts especially in the north and west. In the south however, there is a probability that rain will spread from southwest.

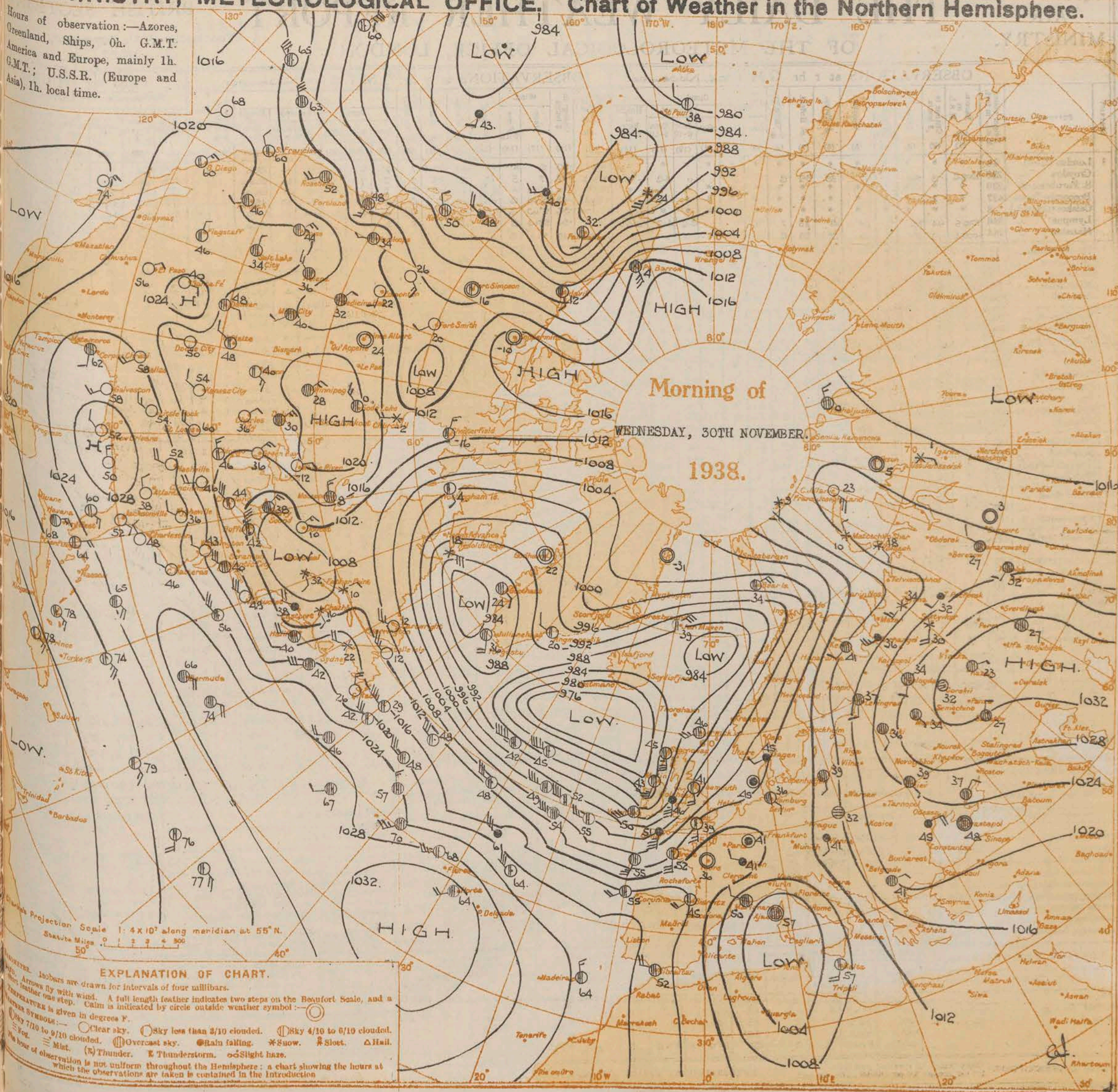
FURTHER OUTLOOK.
Continuing generally unsettled but probably a fair interval.

Times of Issue of Gale Warnings.
South Cone hoisted at 1545 on 29/11/38 in districts 13, 17, 18 and 20; at 1945 in districts 6, 7, 8, 12, 19 and part of 5; and at 0200 on 30/11/38 in districts 1, 2, 10, 11, 15, 16 and remainder of 5.

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, M.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

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 30th November, 1933.

No. 28132.

OBSERVATIONS at 1 hr. G.M.T. 30th November															OBSERVATIONS at 7 hr. G.M.T. 30th November															PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9-12)				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23-26)				State of Ground. (29)	Sea. (30)	TEMPERATURE. (31-33)			RAINFALL. (34-35)		Sun-shine (36)					
					Direc.	Force (4-12)					Form.	Amount.	Height of Base. (feet) (14)	Form.			Amount.	Height of Base. (feet) (28)					Max. Day 7h-12h °F. (31)	Min. Night 12h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-12h mm. (34)			Night 12h-7h mm. (35)										
																														Low (9)	Med. (10)	High (11)	Low (12)		Total (13)	Low (23)	Med. (24)	High (25)	Low (26)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	998.1	-0.2	S	4	c/r	44	85	7	5	2	-	7-8	10	1500	1	*	44	34	21	-	1	0.0				
	Croydon	217	1008.2	-18	SSW	3	2	39	92	C	-	7	0	40	999.2	-0.2	S	5	c/r	43	85	7	5	7	-	2-3	9	2500	1	*	46	34	32	-	1	0.4			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	997.9	-0.2	SW	4	c/r	44	85	7	5	7	-	10	10	1500	1	*	49	35	27	-	1	0.1				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	996.3	-0.2	SW	6	c/r	45	97	6	5	7	-	10	10	1500	1	*	49	35	34	-	1	0.5				
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1000.1	-0.2	SW	6	c/r	48	97	6	5	7	-	4-6	10	800	1	4	50	40	34	-	2	0.0				
	Lympe	346	1010.5	-14	SSW	2	0	41	85	7	2	-	4-6	4-6	1003.7	-0.2	SW	6	c/r	45	75	8	5	7	-	7-8	9	1500	1	4	42	36	25	-	0.1	0.0			
	Manaton	154	1009.4	-12	SE	2	0	39	85	6	-	-	0	0	1002.0	-0.2	SW	6	c/r	45	75	7	5	7	-	7-8	9	1500	1	*	44	36	50	-	1	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1001.6	-0.2	S	4	c/r	46	75	8	5	2	-	2-3	9	2500	1	*	45	36	24	-	1	0.0				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1001.4	-0.2	S	6	c/r	47	75	7	5	-	-	3	9	2500	0	4	43	36	32	-	-	0.0				
	Gorleston	5	1008.4	-20	SSW	3	0	35	92	4	-	-	0	0	1001.6	-0.2	SW	5	c/r	44	85	7	5	-	-	3	9	2500	1	4	42	35	33	-	-	0.0			
	Mildenhall	19	1006.5	-20	SE	4	0	32	92	4	-	-	0	0	997.0	-0.2	SE	5	c/r	43	85	7	5	-	-	10	10	2500	1	*	43	33	27	-	0.3	1.2			
	Granwell	240	*	*	*	*	*	*	*	*	*	*	*	993.3	-0.2	SE	6	c/r	41	92	6	5	2	-	2	10	1500	1	*	45	33	28	-	1	2.4				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	992.6	-0.2	SSW	4	c/r	42	97	5	6	-	-	10	10	800	1	*	45	37	35	-	1	5.3				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	995.9	-0.2	SE	5	c/r	42	92	6	5	-	-	10	10	800	1	*	46	33	22	0.2	1	6.2				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	993.2	-0.2	SW	5	c/r	43	85	8	6	2	-	3	9	2500	1	*	48	33	32	-	2	6.2				
5	Hartland Point	299	1001.3	-38	SW	6	0	45	92	8	2	-	9	10	994.7	-0.2	SW	5	c/r	51	75	8	5	6	-	4-6	7-8	1500	1	4	48	43	41	2	5	4.3			
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	994.8	-0.2	SSW	3	RR	47	97	6	5	-	-	10	10	1500	1	4	50	38	31	-	5	0.8				
	Portland Bill	32	1006.2	-28	SW	5	0	50	92	8	5	-	7-8	7-8	995.8	-0.2	SW	7	RR	51	92	6	5	-	-	10	10	800	1	5	52	46	31	-	3	5.7			
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	996.8	-0.2	SW	4	RR	50	85	8	6	-	-	3	9	1500	1	2	50	46	43	-	8	5.6				
	The Lizard	240	1003.9	-30	SW	7	0	48	92	7	5	-	10	10	997.7	-0.2	SW	5	c/r	49	92	8	5	-	-	10	10	1500	1	4	52	47	*	-	4	5.1			
	Scilly (St. Mary's)	163	1000.4	-40	SSW	7	0	51	92	8	2	-	7-8	10	997.6	-0.2	SW	5	c/r	51	85	8	5	-	-	10	10	1500	1	4	51	46	*	-	3	5.1			
	Guernsey	175	1008.6	-16	SSW	4	0	47	75	7	8	-	4-6	4-6	1000.3	-0.2	SW	5	c/r	49	85	6	5	-	-	10	10	1500	1	4	51	43	34	-	2	3.5			
6	Pembroke	142	997.2	-36	SW	8	0	47	97	6	8	-	10	10	993.1	-0.2	W	7	bc/r	49	85	7	2	4	-	2-3	2-3	2500	1	4	50	46	*	1	3	3.7			
7	Holyhead	28	993.3	-62	SW	7	0	46	92	7	6	2	-	7-8	10	999.0	-0.2	WS	5	bc	48	85	8	2	-	-	4-6	4-6	2500	1	3	53	44	41	Tr	15	5.2		
8	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	990.0	-0.2	S	3	bc/r	43	92	6	6	-	-	2-3	2-3	1500	1	*	48	38	32	-	0.6	1.5				
	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	990.4	-0.2	SW	5	c/r	44	85	7	8	4	-	3	9	2500	1	*	46	39	32	-	1	1.6				
10	Spurn Head	29	1004.1	-22	S	4	0	38	97	5	5	-	4-6	4-6	992.4	-0.2	S	7	c/r	42	92	6	5	-	-	10	10	800	1	4	43	38	*	Tr	1	4.3			
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	987.7	-0.2	SE	4	c/r	40	92	7	6	2	-	3	10	1500	1	*	48	35	33	-	0.1	4.0				
	Tynemouth	108	993.4	-44	S	4	0	41	75	6	5	-	4-6	4-6	986.8	-0.2	S	6	c/r	40	92	7	6	-	-	10	10	800	1	3	49	39	35	-	0.1	4.0			
11	St Abbs Head	280	994.5	-60	S	6	0	41	75	7	5	2	-	4-6	7-8	983.3	-0.2	S	6	c/r	38	85	7	5	2	-	7-8	10	2500	1	4	45	37	*	-	0.4	*		
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	982.3	-0.2	SSW	5	c/r	40	85	7	5	7	-	7-8	9	2500	1	*	47	39	33	-	2	3.5				
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	982.8	-0.2	SW	3	c/r	44	92	7	5	2	-	4-6	9	2500	1	*	47	41	36	-	11	1.3				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	983.6	-0.2	SW	4	bc/r	39	97	8	5	-	-	4-6	4-6	800	2	*	44	36	34	-	11	3.0				
	Point of Ayre	30	994.4	-46	SW	6	0	45	92	7	5	-	10	10	986.2	-0.2	W	5	c/r	46	85	8	6	-	-	4-6	9	1500	1	3	49	41	*	-	9	5.7			
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	978.1	-0.2	SW	6	c/r	46	92	7	8	-	-	7-8	7-8	1500	1	*	49	41	39	3	7	0.6				
13	Stornoway	80	984.6	-50	SSW	8	0	45	75	7	5	2	-	7-8	10	974.2	-0.2	SSW	5	c/r	46	75	7	5	-	-	7-8	7-8	2500	1	3	47	42	*	2	0.1			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	980.5	-0.2	SW	3	IR	37	92	6	6	2	-	7-8	10	1500	4	*	40	33	32	-	2	2.0				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	982.0	-0.2	SE	6	r	43	85	6	6	2	-	2-3	10	800	1	2	47	40	35	-	5	*				
	Wick	81	989.9	-34	SSW	6	0	45	75	8	5	7	-	2-3	4-6	979.1	-0.2	SSW	9	c/r	44	85	7	5	2	-	3	10	800	1	4	48	42	*	Tr	0.6	0.0		
16	Lerwick	156	990.4	-12	SW	5	0	46	85	8	7	-	4-6	7-8	983.5	-0.2	SSW	8	c/r	47	75	7	8	7	-	4-6	7-8	1500	1	*	49	45	*	1	1	0.0			
17	Blacksod Point	18	986.8	-4	W	8	0	45	92	7	6	-	10	10																									