

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1939



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

INTRODUCTION

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

NOTES REGARDING THE BRITISH SECTION.

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

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

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

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

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

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

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

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

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

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

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

The observations presented on this chart are not synchronous, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

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

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

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.).	rh. local time.
30° E. to 170° W.	oh. or 1h. G.M.T.

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

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

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

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

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

THE INTERNATIONAL AND UPPER AIR SECTIONS.

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

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

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

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

Upper Air Section:—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and the issue for "yesterday" is published immediately prior to the issue of the British Section for "to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

THE BEAUFORT SCALE OF WIND FORCE

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

GALE WARNINGS

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

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

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

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

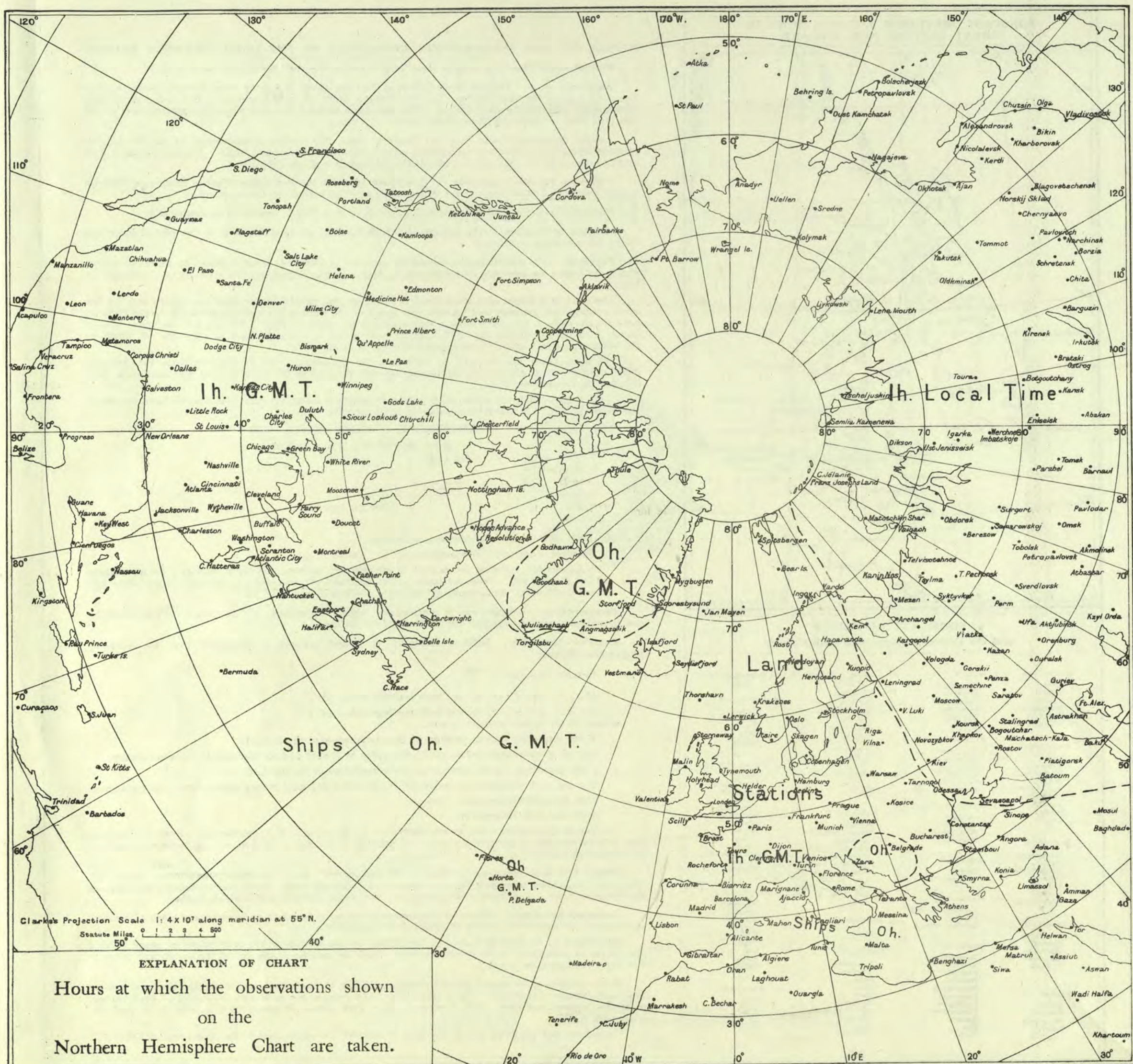
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted :

▼ South Cone hoisted :

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



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 Melvich.)	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. Caitness. 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 rain gauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

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

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

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

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

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

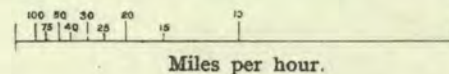
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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



This scale applies under the following conditions:—

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

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

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

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

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

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

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

where x is the vapour pressure in mb.

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

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

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

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

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. Each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

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

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

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1938.)

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

Stormy. Wet, mild and dull.

Except for a brief anticyclonic interlude on 20th and 21st, conditions were extremely disturbed, with an almost continuous succession of active troughs or centres moving across the country. During the night of 18th and 19th a depression deepened unusually quickly as it crossed England, causing pressure at Gorleston to fall 23.8 mb between 1800 and 0400 G.M.T. Another noteworthy short-period pressure fall was one of 22.6 mb. in 6 hours at Lerwick in the early morning of 26th, when an intense depression which moved from Iceland to north of Shetland deepened eventually to below 94.5 mb.

Gales were frequent. There were only 8 days free from gales along some part of our coasts, while wind gusts of 52 m.p.h. occurred at Pembroke on 6th, 77 m.p.h. at Stornoway on 26th and 70 m.p.h. or more at several places inland on 19th and 26th.

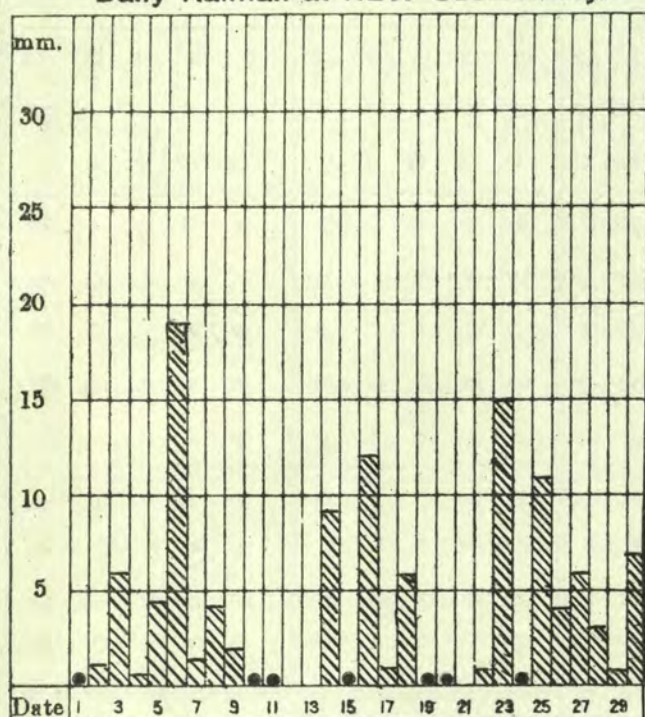
Over the greater part of the country rainfall aggregates were very considerably above the monthly average, though there was a slight deficiency locally in N. Wales. In Southern England many places measured double the usual amounts, while in Central Ireland

(Birr Castle) it was the wettest November since 1862. Outstanding among many 24 hour falls of more than an inch were 41 mm. (1.61 ins) at Scilly on 23rd and 39 mm (1.54 in) at Spurn Head on 19th. Snow was reported on high ground in Scotland on 12th and on most days in the second half of the month.

There were one of two short bursts of polar air (19th and 24th), but the air supply was mainly maritime or sub-tropical in character, and temperatures were accordingly appreciably above the seasonal average. Many districts inland were free from frosts throughout the month, and even at Dalwhinnie (1176 ft above M.S.L.) air temperature did not fall below 27°F. 80°F was reached at Kensington Palace on 7th and Ross-on-Wye on 29th. Sunshine totals reveal a general deficiency. A low record for November was created at Aldergrove (37 hours).

Thunderstorms occurred in the South of England on 1st and 6th and in Ireland on 7th, while lightning was observed at widely distributed stations on 8th and 14th. Fog was much less persistent than is usual in November but there was persisted sea fog near the southwest coasts on 29th and 30th.

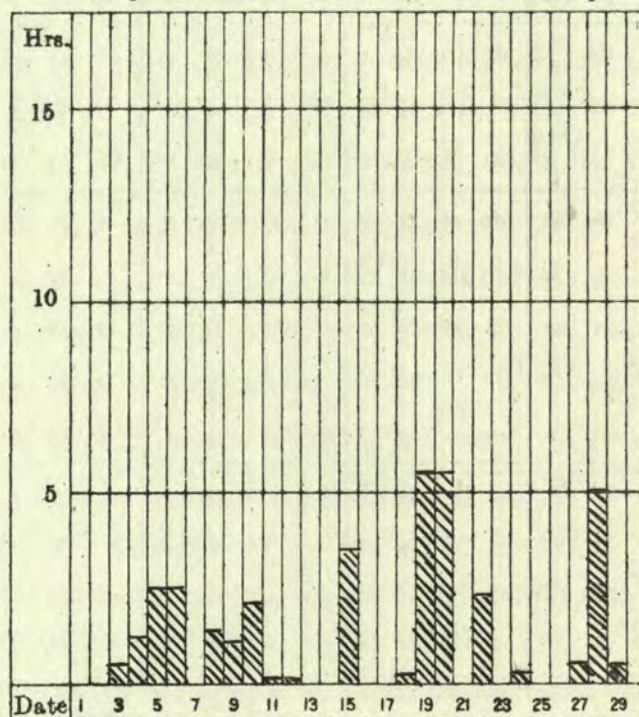
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

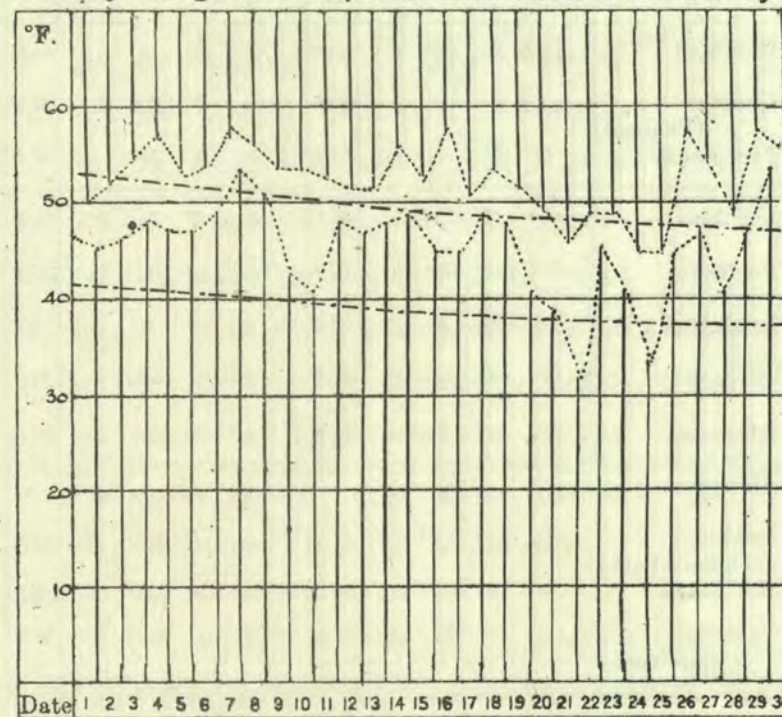
RAINFALL. Total for Month. 112 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 36 hrs.

Daily Range of Temperature at KEW Observatory.



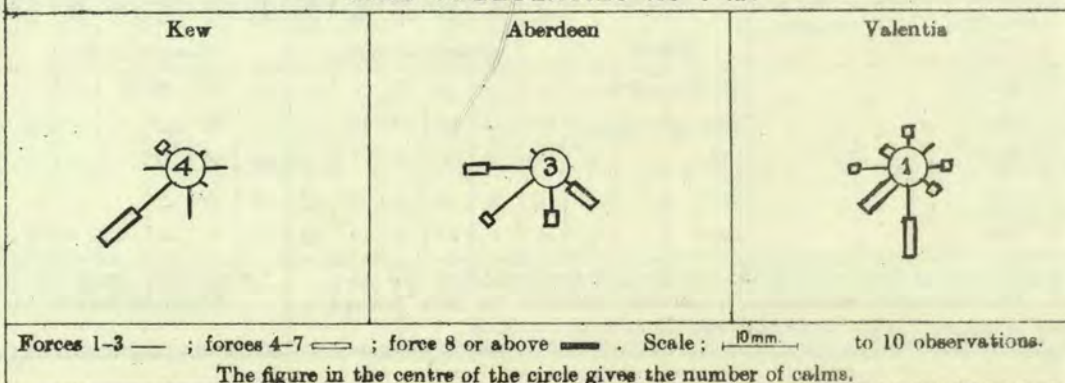
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1011.5	mb. -3.1	°F. 45.1	+4.8
Aberdeen	1003.5	-6.5	44.0	+1.7
Valentia	1007.1	-5.9	51.0	+3.5

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 19 h. daily 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	7,005
Aberdeen	
Lerwick	15,734
Valentia	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	STATIONS.	↑ TEMPERATURE.											LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.																				
		Number of daily readings within fixed limits.					Extremes—Warmest and Coldest.					Number of observations within fixed limits.						Number of observations within fixed limits.																					
		Maximum.				Average Maximum.	Minimum.				Average Minimum.	Days.			Nights.			Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.			13 h.											
		35°-41°	42°-50°	51°-59°	60°-65°		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.	Fog.	Mist.	Good Visibility.
	London (Kew Obsv.)	0	8	22	0	43.6	1	6	20	3	40.0	58	{ ⁷¹⁵ ₂₈	45	{ ²⁴ ₂₅	54	{ ⁸ ₃₀	32	22	3	2	26	0	1	26	0	1	25	0	0	2	3	3	6	0	0	1	3	4
	Croydon ...	0	8	22	0	43.1	0	6	21	3	39.4	58	{ ⁸²⁵ ₄₄	{ ²⁴ ₂₄	54	30	34	{ ²² ₂₅	2	5	23	0	6	20	2	4	22	2	0	0	3	2	6	0	0	1	2	5	
	Calshot** (Southampton)	0	3	27	0	50.1	0	4	22	4	41.5	58	{ ⁸¹⁶ ₁₇	46	24	53	{ ⁸¹⁸ ₃₀	33	25	1	9	20	0	10	20	0	8	13	0	0	1	1	2	6	0	0	0	0	15
	Lympe ...	0	12	18	0	47.5	1	6	20	3	39.4	59	12	43	24	53	{ ⁸¹⁹ ₃₀	32	25	1	11	15	1	14	13	2	8	16	2	0	0	1	1	13	0	0	1	0	15
2	Shoeburyness ...	0	8	22	0	43.2	0	4	23	3	39.0	59	14	44	24	54	30	34	{ ²² ₂₅	3	6	14	3	2	22	0	3	22	0	0	0	0	16	3	0	0	0	6	10
	Gorleston ...	0	13	17	0	48.6	1	4	22	3	40.3	59	8	44	24	52	{ ⁸¹⁹ ₃₀	32	25	0	2	28	0	1	29	0	0	28	0	0	0	2	0	2	0	0	0	0	2
	Cranwell ...	0	13	17	0	47.1	1	3	13	1	37.1	59	23	44	25	52	30	32	25	3	3	22	0	7	20	0	6	20	0	0	0	2	7	3	0	0	0	2	5
3	Birmingham ... (Edgbaston)	0	14	16	0	46.9	0	10	18	2	39.0	59	23	43	25	53	30	34	{ ²² ₂₅	3	11	11	0	5	20	0	12	13	0	0	1	3	5	7	0	0	3	1	10
4	Ross-on-Wye ...	0	9	20	1	48.4	1	5	22	2	39.0	60	23	46	{ ²¹ ₂₅	54	30	30	22	2	8	18	0	1	27	0	4	24	0	0	0	2	2	18	0	0	1	0	22
5	The Lizard ...	0	2	28	0	*	0	1	20	3	*	58	{ ¹²¹⁰ ₁₁	50	{ ²⁴ ₂₅	55	17	39	25	*	6	24	0	3	27	0	3	27	0	0	0	2	1	23	0	0	4	1	20
7	Holyhead ...	0	6	24	0	49.7	0	0	25	5	44.4	57	{ ³ ₇	48	{ ²³²⁴ ₂₇	52	{ ¹⁴ ₁₄	43	2	0	3	27	0	7	23	0	8	22	0	0	0	0	0	27	0	0	0	0	26
8	Chester ... (Sealand)	0	11	17	2	48.3	0	8	20	2	38.2	63	14	45	{ ¹⁶ ₂₃	51	{ ⁹ ₃₀	35	23	0	3	27	0	1	28	1	2	28	0	0	0	1	4	6	0	0	0	1	18
10	Tynemouth ...	0	17	13	0	47.5	0	8	21	1	40.4	56	{ ⁸²³ ₂₃	44	{ ²⁴²⁵ ₂₈	51	9	35	25	2	0	30	0	0	30	0	0	30	0	0	0	2	1	3	0	0	3	1	3
11	Leuchars ...	1	16	13	0	46.7	2	17	11	0	36.3	54	{ ¹⁴ ₁₆	41	28	49	14	31	29	10	4	23	2	5	21	1	3	20	1	0	1	0	0	22	0	0	0	1	22
12	Renfrew ...	1	15	14	0	46.1	0	14	16	0	36.1	56	8	41	28	49	{ ⁸ ₁₄	33	{ ²⁰ ₂₅	4	2	28	0	3	27	0	2	27	0	0	1	3	1	12	0	0	4	0	15
	Eskdalemuir ...	4	22	4	0	43.5	5	17	8	0	34.3	55	7	38	20	48	14	28	20	7	15	13	0	15	15	0	15	15	0	0	1	1	2	14	0	0	0	0	20
13B	Stornoway	0	20	10	0	47.2	0	11	18	1	32.6	53	{ ³¹⁴ ₁₃	42	{ ²⁷ ₂₈	51	4	33	12	*	0	30	0	0	30	0	0	30	0	0	0	0	0	24	0	0	0	0	27
15	Aberdeen ...	1	21	8	0	46.2	1	17	12	0	38.3	55	9	41	28	50	8	23	23	12	6	22	1	6	19	3	5	20	1	0	0	0	0	12	0	0	0	1	15
18	Aldergrove ...	0	17	13	0	*	0	15	15	0	*	55	{ ⁸ ₁₁	43	{ ²⁷ ₂₈	48	{ ¹ ₁₈	35	{ ²⁴ ₂₅	5	1	28	0	6	22	0	5	25	0	0	0	0	1	19	0	0	0	0	19
19	Dublin ... (Phoenix Park)	0	6	24	0	43.8	0	14	15	1	36.5	59	8	45	{ ²³ ₂₇	51	23	33	24		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Birr Castle ...	0	7	23	0	48.6	1	8	21	0	38.2	57	{ ⁸¹¹ ₂₉	30	45	{ ²³ ₂₇	49	{ ⁴¹¹ ₃₀	31	24	3	0	28	0	2	28	0	2	22	0	0	0	0	30	0	0	0	0	30
20	Valentia ... (Cabirciveen)	0	3	27	0	51.2	0	3	22	5	43.7	57	{ ¹⁶²³ ₃₀	47	23	55	{ ¹⁷ ₃₀	39	25	0	8	21	0	10	20	0	7	23	0	0	0	0	2	24	0	0	0	0	20

UPPER AIR TEMPERATURE.

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

[illegible]

† The readings and averages used, are, except in the case of Phoenix Park, the maximum for the period 7 h.-18 h., and the minimum for the period 18 h.-7 h. The readings and averages for Phoenix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY NOVEMBER 1939.

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.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	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.	Total for past 12 months.	Difference from Average.			Total for Month.†	Difference from Average.	First year of record.	Highest. Year.	Lowest. Year.	mm.	mm.	mm.	mm.			
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	14 13 12 14	12 12 9 8	4 5 7 6	0 0 2 2	0 0 0 0	5-7 5-6 7-3 6-8	19 20 19 19	1530 1500 1712 1754	+61 -25 -34 +23	36 37 51 55	-17 -15 -22 -14	1880 1922 1881 1921	81 83 109 108	1883 1923 1923 1925	26 28 31 35	1888 1932 1888 1934	9 8 5 8	5 6 5 5	7 6 8 5	7 9 11 11	2 1 0 1 0	19 16 27 24	6 23 23 9	751 873 804 581	+145 +134 +158 +257	112 118 149 148	+56 +49 +82 +67	1856 1921 1871 1.20	130 160 176 173	1926 1929 1935 1926	10 24 13 26	1858 1932 1879 1932	1 0 2 0	0 0 0 0				
2	Shoeburyness Gorleston Cranwell	13 * 7	10 * 15	6 * 8	1 * 0	0 * 0	7-2 * 5-7	20 * 20	1670 * 1392	-46 * -146	46 * 54	-20 * -12	1919 1908 1921	104 106 97	1920 1920 1925	43 37 38	1934 1936 1932	10 11 12	6 4 3	6 11 11	7 2 2	1 1 1	0 1 1	16 30 28	23 18 18	763 772 722	+200 +150 +132	96 106 89	+42 +45 +42	1920 1871 1917	105 208 124	1929 1878 1935	17 20 22	1920 1920 1920	2 0 1	0 0 0			
3	Birmingham (Edgbaston)	11	13	6	0	0	5-5	9	1236	-68	43	-3	1887	93	1913	13	1912	8	3	11	7	1	0	22	23	851	+177	116	+55	1893	181	1929	17	1920	0	0			
4	Ross-on-Wye	12	13	5	0	0	5-7	9	1448	-37	44	-19	1915	108	1923	26	1934	10	5	7	7	1	0	19	23	761	+44	107	+43	1859	227	1929	14	1933	2	0			
5	Falmouth (Observatory)	14	9	7	0	0	5-1	21	1757	+47	47	-23	1881	145	1923	38	1917	5	4	8	8	3	2	44	23	1148	+41	214	+92	1871	340	1929	21	1901	0	0			
7	Holyhead	11	13	6	0	0	5-6	24	1644	+34	40	-24	1914	124	1925	36	1922	9	6	8	5	2	0	18	25	902	+15	99	-6	1871	204	1877	38	1922	0	0			
8	Chester (Sealand)	11	12	6	1	0	6-8	9	1415	+39	45	-8	1928	89	1938	34	1934	7	1	15	6	1	0	19	18	815	+154	101	+46	1922	116	1929	27	1922	0	0			
10	Tynemouth	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*	10	11	4	4	0	1	26	18	748	+127	71	+17	1915	112	1933	19	1922	0	0			
11	Leuchars	12	9	8	1	0	6-2	24	1386	-84	52	-18	1922	101	1925	46	1933	9	3	9	9	0	0	15	14	739	+86	108	+50	1922	129	1931	13	1937	0	0			
12	Renfrew	12	15	3	0	0	4-6	24	1242	+49	29	-15	1921	60	1927	28	1932	3	4	10	8	4	1	23	30	996	+57	204	+105	1921	205	1938	14	1937	1	0			
	Eskdalemuir	11	17	1	1	0	6-8	24	1192	-9	30	-25	1910	89	1925	28	1938	3	5	10	5	4	3	30	8	1511	+82	236	+83	1910	297	1938	30	1937	0	3			
13B	Stornoway	3	24	3	0	0	5-2	1	1316	+101	38	-8	1881	67	1911	19	1881	3	3	12	10	2	0	16	25	1128	-138	162	+14	1870	250	1898	46	1933	9	0			
15	Aberdeen	11	11	8	0	0	5-7	24	1273	-56	56	-3	1881	83	1904	32	1924	5	7	12	6	0	0	11	5	762	+14	82	+7	1871	164	1872	31	1904	0	0			
18	Aldergrove	10	16	4	0	0	5-1	24	1333	*	37	*	1927	77	1930	44	1937	4	8	8	9	1	0	23	7	927	+89	119	+37	1926	135	1931	18	1934	0	0			
19	Dublin (Phoenix Park) Birr Castle	11 15	14 11	4 4	1 0	0 0	7-0 5-9	24 24	1300 1330	-137 +24	42 39	-29 -22	1881 1881	104 95	1935 1909	36 26	1888 1917	5 6	6 3	10 8	8 10	1 2	0 1	18 29	4 7	782 865	+80 +38	108 188	+36 +109	1865 1862	159 157	1916 1931	10 21	1922 1922	0 0	0 0			
20	Valentia (Cahiriveen)	13	10	7	0	0	4-8	9	1553	+183	36	-27	1880	118	1909	33	1917	3	1	10	9	5	2	29	5	1355	-59	265	+126	1866	310	1931	20	1879	0	0			

MINIMUM SURFACE HUMIDITY.

No. of Days (MDT. TO MDT.) WITH MINIMA BETWEEN FIXED LIMITS.

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	1	2	9	11	6	1	0	0	0	0
Ross-on-Wye	0	0	7	12	9	2	0	0	0	0
Falmouth (Obsy.)	10	7	4	6	3	0	0	0	0	0
Renfrew	0	0	9	14	7	0	0	0	0	0
Eskdalemuir	0	0	7	10	12	1	0	0	0	0
Aberdeen	0	0	7	7	9	7	0	0	0	0
Valentia	0	2	7	9	9	3	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	30	0	0	0	0	0	0	0	0	2 Flooded.
Eskdalemuir	0	27	2	0	1	0	0	0	0	0	3 Frozen hard and dry.
Aberdeen	3	26	0	1	0	0	0	0	0	0	4 Partly covered with snow or hail.
Valentia	0	28	2	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. 1939.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 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.

OBSERVATIONS at 13h. G.M.T. 31st October

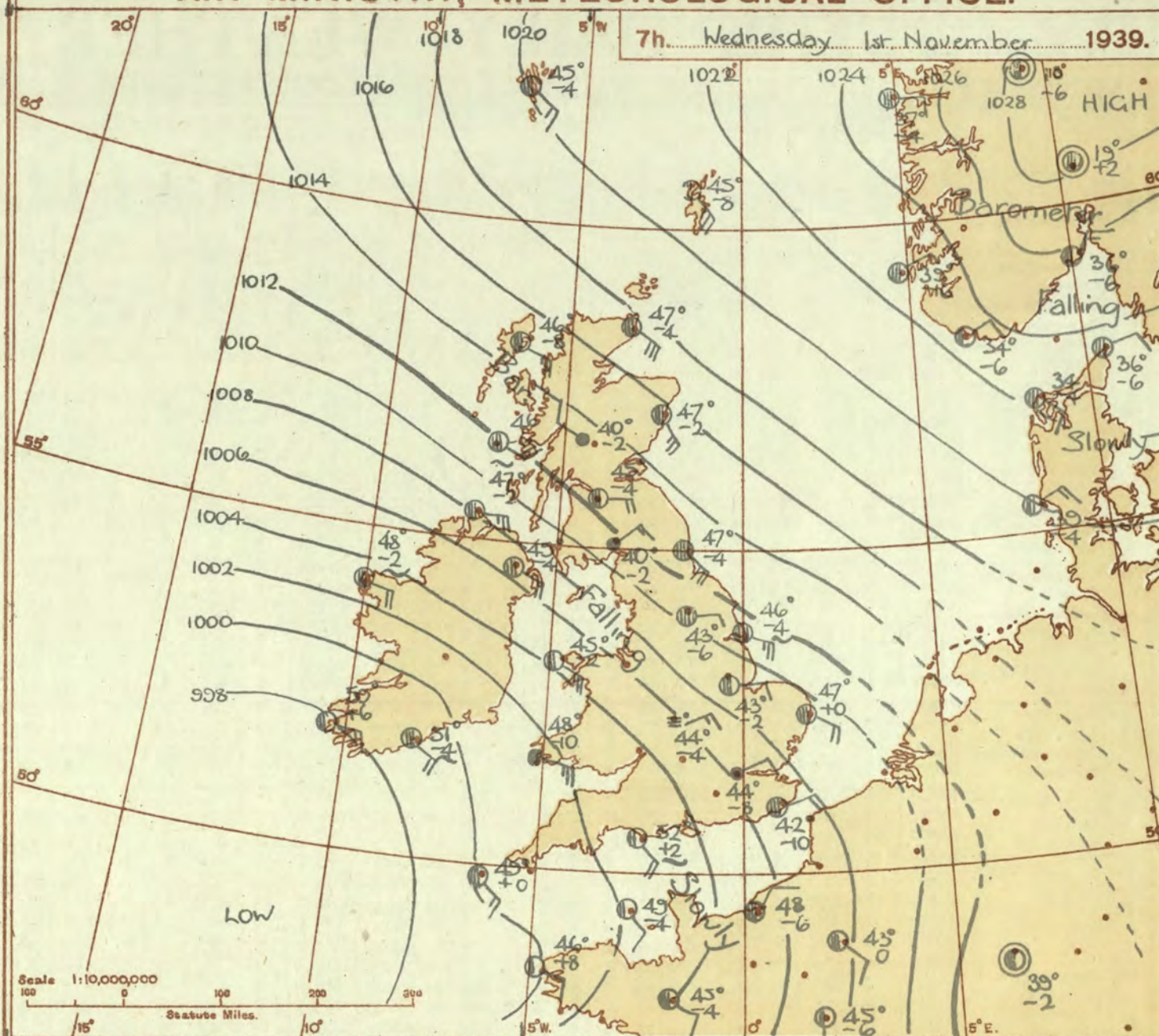
OBSERVATIONS at 18h. G.M.T. 31st October

PAST 24 HOURS.

OBSERVATIONS AT 18h. G.M.T.														OBSERVATIONS AT 18h. G.M.T.														PAST 24 HOURS.													
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.											
				Dir.	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Low. (23)					Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)			7h.—13h. 31st (37)	13h.—18h. 31st (38)	18h.—to 1st (39)	1h.—7h. 1st (40)								
1	London (Kew)...	1012.5	-6	SW	3	z.	47	75	6	5	-	-	10	10	1500	1011.6	-4	EN	3	m	46	85	4	5	-	10	10	800	1	*	cid.cu	on.	om.cu	em.cu							
	Croydon ...	1012.7	-2	ESE	2	z.	46	85	6	5	-	-	10	10	4000	1011.8	-4	ENE	2	z.	45	85	5	5	-	10	10	1500	1	*	cid.cu	cm.cu	om.cu	em.cu							
	S. Farnborough	1011.7	+2	E	3	z.	44	85	6	5	2	-	4.6	10	1500	1010.9	-4	ENE	3	ro.	44	92	5	2	-	7.8	10	1500	1	*	ro.cu	cm.cu	om.cu	em.cu							
	Boscombe Down	1010.2	-8	EN	4	z.	43	92	6	5	2	-	7.8	10	800	1009.3	-8	EN	4	d.d.	43	97	5	6	-	10	10	450	1	*	em.cu	cd.cu	om.cu	em.cu							
	Calshot (Soton.)	1010.0	-2	EN	5	z.	47	92	6	5	-	-	10	10	1500	1009.2	-4	E	4	z.	47	92	6	5	-	4.6	4.6	2500	1	4	cid.cu	cm.cu	om.cu	em.cu							
	Lympne ...	1013.7	-6	ES	3	z.	44	85	6	5	3	-	7.8	10	1500	1012.7	-2	ESE	3	z.	46	85	6	5	7	-	7.8	10	1500	1	3	cm.cu	cm.	om.cu	em.cu						
	Manston ...	1012.8	-18	ESE	3	C	47	75	6	5	3	-	1	9	2500																										
2	Shoeburyness ...	1013.5	-8	ESE	5	C	46	85	6	5	7	-	4.6	9	1500	1012.3	-8	ESE	3	m	47	85	4	5	-	10	10	1500	1	3	m.c	em.cu	om.cu	em.cu							
	Felixstowe ...	1014.0	-14	ESE	5	z.	47	85	6	5	3	-	7.8	9	1500	1012.8	-6	ESE	4	z.	48	85	6	5	-	10	10	1500	1	3	cm.	cm.cu	om.cu	em.cu							
	Gorleston ...	1013.7	-10	E	5	C	47	75	6	5	-	-	3+	3+	2500	1014.1	-4	ESE	3	C	46	85	6	5	-	10	10	2500	0	4	cq	cq	om.cu	em.cu							
	Mildenhall ...	1014.1	-10	E	5	C	47	75	6	5	7	-	3+	3+	2500	1012.6	-10	E	3	C	43	85	6	5	-	10	10	1500	1	*	bcc	co	om.cu	em.cu							
	Cranwell ...	1015.2	-12	E	4	C	46	85	7	5	-	-	3+	3+	2500	1013.9	-6	E	3	z.	43	85	6	5	-	10	10	2500	0	*	c	cm.	om.cu	em.cu							
3	Birmingham	1012.7	-10	ESE	3	ro.	44	85	6	6	2	-	3+	10	800	1012.1	-2	E	3	o	44	85	6	6	-	10	10	800	1	*	o.c	ro.c	om.cu	em.cu							
	Upper Heyford	1012.9	-2	E	4	z.	45	85	6	5	2	-	4.6	10	1500	1011.8	-10	EN	3	ro.	43	92	5	2	-	10	10	1500	1	*	em.cu	cm.cu	om.cu	em.cu							
4	Ross-on-Wye ...	1010.8	-8	E	4	z.	45	85	6	6	-	-	10	10	1500	1009.6	-10	E	3	z.	43	85	5	5	-	3+	3+	800	1	*	ir.cu	oro	om.cu	em.cu							
5	Hartland Point	1008.5	0	ENE	5	r	47	92	7	8	2	-	3	10	1500	1004.6	-10	E	4	C	47	97	7	8	4	4	4	6	9	2500	1	3	cr	ro.c	om.cu	em.cu					
	Bristol ...	1009.9	-6	ES	3	C	46	85	6	5	2	-	4.6	10	1500	1009.2	-4	E	1	C	44	97	6	5	-	10	10	1500	1	*	em.cu	ro.c	om.cu	em.cu							
	Portland Bill ...	1008.7	+8	SE	5	C	52	92	8	5	-	-	7.8	7.8	4000	1009.7	+12	ESE	4	C	52	85	8	5	4	-	7.8	7.8	4000	1	4	C	C	om.cu	em.cu						
	Plymouth ...	1005.9	+4	SE	3	C	53	75	8	8	5	-	4.6	7.8	2500	1005.0	-4	SE	3	pr	51	85	6	8	-	10	10	1500	1	2	em.cu	bcc	om.cu	em.cu							
	The Lizard ...	1003.1	+10	SE	5	C	53	97	8	8	2	-	3	10	1500	1003.3	-2	SE	5	pr	51	85	8	8	2	-	7.8	9+	1500	1	3	bcc	pr.c	om.cu	em.cu						
	Scilly (St. Mary's)	1002.6	-6	SEE	5	C	53	92	8	8	4	3	4.6	7.8	800	1001.7	+2	SE	5	bc	50	85	8	8	-	2.3	2.3	1500	1	3	cbcc	pr.c	om.cu	em.cu							
	Guernsey ...	1007.0	+2	SE	2	bc	52	85	8	2	3	-	4.6	4.6	1500	1006.1	-4	SE	2	rr	49	97	5	5	-	10	10	800	2	3	cbc	bc.cu	om.cu	em.cu							
6	Pembroke ...	1006.0	-6	SE	8	C	48	85	6	8	2	-	7.8	7.8	1500	1005.6	-4	ESE	6	C	47	97	6	8	2	-	7.8	10	1500	1	3	om.cu	pr.cu	om.cu	em.cu						
7	Holyhead ...	1009.4	-24	EN	8	C	49	75	7	5	2	-	9	10	4000	1009.0	-8	E	6	C	47	75	6	5	2	-	9+	9+	2500	1	4	m.cu	ro.c	om.cu	em.cu						
	Chester (Sealand)	1013.3	-14	E	4	z.	49	55	6	5	2	-	7.8	10	2500	1012.7	0	ESE	3	ir	45	75	6	6	2	-	9	10	1500	1	*	om.cu	cz.cu	om.cu	em.cu						
8	Manchester ...	1013.4	-18	EN	5	z.	49	65	6	4	4	9	1	2.3	500	1013.0	+4	ES	5	z.	45	75	5	5	-	9+	9+	1500	1	*	cz.cu	pr.cu	om.cu	em.cu							
10	Spurn Head ...	1015.9	-10	ESE	6	C	46	75	7	5	-	-	9+	9+	2500	1014.3	-6	ESE	5	C	46	75	7	5	-	10	10	2500	0	4	or.cu	cq	om.cu	em.cu							
	Catterick ...	1017.9	-14	ESE	1	C	45	75	8	5	-	-	10	10	1500	1016.4	-	EN	2	id.	43	85	6	3	-	10	10	1500	1	3	em.cu	cid.cu	om.cu	em.cu							
	Tynemouth ...	1018.9	-14	SE	3	ir	48	92	6	8	-	-	10	10	1500	1017.6	-4	E	3	er	47	75	7	6	-	10	10	1500	1	3	ae.cu	oir	om.cu	em.cu							
11	St. Abbs Head	1015.7	-14	ESE	5	C	45	92	8	8	2	-	7.8	10	1500	1017.4	-2	ESE	5	ir	45	85	8	8	2	-	7.8	9+	1500	1	3	ir.c	cl.cu	om.cu	em.cu						
	Leuchars ...	1020.7	-12	E	4	pr	48	75	7	5	-	-	9+	9+	1500	1018.1	-14	E	4	C	45	85	7	5	-	9+	9+	500	1	*	cr.cu	ro.c	om.cu	em.cu							
12	Renfrew (Abbots L.)	1018.4	-22	ENE	4	C	49	75	7	5	-	-	7.8	7.8	2500	1016.5	-8	EN	4	z.	45	85	6	5	-	10	10	2500	0	*	cid.cu	om.cu	om.cu	em.cu							
	Eskdalemuir ...	1017.3	-20	EN	4	d.d.	44	52	6	6	-	-	10	10	450	1016.2	-2	NE	3	d.d.	41	85	6	6	-	10	10	800	1	3	cid.cu	cd.cu	om.cu	em.cu							
	Point of Ayre ...	1014.8	-16	SEE	6	C	52	65	8	8	-	-	9	9	2500	1012.6	-6	SE	6	C	48	75	7	8	1	-	7.8	10	1500	0	3	C	C	om.cu	em.cu						
13A	Tiree ...	1017.1	-20	ES	4	bc	49	65	8	5	4	-	2.3	4.6	2500	1014.8	-10	E	4	C	48	65	8	5	-	3	5	1500	0	3	bc	bc	om.cu	em.cu							
13B	Stornoway ...	1021.1	-18	E	4	C	47	75	8	5	7	-	4.6	7.8	4000	1019.0	-8	E	6	C	47	75	8	5	7	-	4.6	9	2500	0	3	cbcc	C	om.cu	em.cu						
15	Dalwhinnie ...	1020.8	-20	SE	4	C	44	75	7	4	2	-	4.6	9+	2500	1018.8	-4	N	2	C	39	75	8	4	6	-	4.6	7.8	4000	0	3	C	cid.cu	om.cu	em.cu						
	Aberdeen ...	1022.5	-8	ES	3	ro.	46	75	8	5	-	-	9+	9+	1500	1020.5	-10	ESE	4	pr	42	92	8	8	-	10	10	1500	1	2	cl.cu	ro.cu	om.cu	em.cu							
	Wick ...	1023.3	-12	ESE	4	C	47	65	8	5	7	-	7.8	9+	2500	1020.7	-10	SE	3	C	47	65	7	8	2	-	7.8	10	1500	1	2	cp.cu	pr.cu	om.cu	em.cu						
16	Lerwick ...	1026.2	-4	SSE	4	C	46	*	8	8	7	-	7.8	9	1500	1024.4	-8	SSE	3	C	45	75	8	5	3	-	7.8	10	1500	1	*	C	C	om.cu	em.cu						
17	Blacksod Point..	1010.4	-30	E	6	ro.	48	75	7	-	7	-	0	10	-	1007.5	-8	E	4	C	48	85	7	8	-	7.8	7.8	800	1	3	ir.c	ro.c									

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 1st November 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st November, 1939.
1 S.E. England	Wind southeast, fresh locally, moderating; mainly cloudy, some light rain; brighter periods by tomorrow; rather mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southeast to south, moderate to light; some occasional rain or showers, perhaps with local thunder; brighter periods; mild.
6 South Wales ...	
7 North Wales ...	Wind southeast, fresh to strong at times near the coasts; cloudy, occasional rain, heaviest falls probable in the western districts; average temperature to rather mild.
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	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, 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 persists over Scandinavia. A low pressure area off our southwest coasts is spreading slowly over the country as secondaries move up from the South. A mild, rather unsettled type of weather will prevail with some occasional rain in most districts, but the falls are expected to be slight in the eastern half of the country.

FURTHER OUTLOOK.

Rather mild and unsettled.

Forecasts issued at 0930 G.M.T.

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

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

G. 474/3700 No. 8103. D. 48.25 Gp. 948. 28000. 10/32

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 1st November 1939.

No. 28468 No.

OBSERVATIONS at 1 hr. G.M.T. 1st November															OBSERVATIONS at 7 hr. G.M.T. 1st November															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-10 (8)	Cloud.				Barom. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. 0-10 (22)	Cloud.				State of Ground. 0-0 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine Hrs. (38)					
					Direc. (3)	Force. (4)					Form. (9)	Med. (10)	High (11)	Low 0-10 (12)			Total 0-10 (13)	Height of Base. (feet) (14)					Direc. (17)	Force. (18)	Form. (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. or Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
1	London (Kew) ...	18	1003.4	-1.3	m	2	47	97	5	0	0	0	0	1003.3	-1.0	m	2	47	97	5	0	0	0	0	0	0	0	0	47	42	43	1.0	0.4	0.0					
	Croydon ...	217	1007.8	-1.6	m	2	46	92	5	5	0	0	0	1007.2	-1.0	m	2	45	92	5	0	0	0	0	0	0	0	0	47	42	40	0.2	0.5	0.1					
	S. Farnborough ...	226	1007.4	-1.6	m	2	46	97	5	5	0	0	0	1007.5	-1.0	m	2	45	92	5	0	0	0	0	0	0	0	0	46	44	43	1	0.1	0.0					
	Boscombe Down ...	417	1008.2	-1.8	m	2	46	97	5	5	0	0	0	1007.8	-1.0	m	2	46	97	5	0	0	0	0	0	0	0	0	46	44	44	3	0.1	0.0					
	Calshot (St. Mary's) ...	8	1010.2	-1.4	m	2	45	92	5	5	0	0	0	1009.4	-1.0	m	2	45	92	5	0	0	0	0	0	0	0	0	48	46	46	3	1.7	0.0					
	Lympne ...	346	1010.2	-1.4	m	2	45	92	5	5	0	0	0	1007.8	-1.0	m	2	45	92	5	0	0	0	0	0	0	0	0	46	42	40	0.5	0.7	0.0					
	Manston ...	154	1009.9	-1.2	m	2	47	85	5	5	0	0	0	1007.4	-1.0	m	2	46	85	5	0	0	0	0	0	0	0	0	45	41	41	0	0.4	0.0					
2	Shoeburyness ...	11	1010.4	-1.4	m	3	47	83	7	5	0	0	0	1008.4	-1.0	m	3	47	83	7	5	0	0	0	0	0	0	0	48	46	44	0	0.1	0.0					
	Felixstowe ...	15	1010.4	-1.4	m	3	48	75	6	5	0	0	0	1010.1	0	m	3	47	97	6	5	0	0	0	0	0	0	0	48	46	45	0	0.1	0.0					
	Gorleston ...	5	1011.3	-1.2	m	2	45	92	6	5	0	0	0	1008.6	-1.0	m	2	45	92	6	5	0	0	0	0	0	0	0	50	44	42	0	2.1	0.0					
	Mildenhall ...	19	1011.3	-1.2	m	2	45	92	6	5	0	0	0	1008.6	-1.0	m	2	45	92	6	5	0	0	0	0	0	0	0	49	42	39	0	1.2	0.0					
	Cranwell ...	240	1011.9	-1.0	m	2	45	92	5	5	0	0	0	1009.5	-1.0	m	2	45	92	5	0	0	0	0	0	0	0	0	49	42	39	0	1.2	0.0					
3	Birmingham ...	535	1003.7	-1.4	m	3	45	97	5	5	0	0	0	1007.7	-1.0	m	3	44	92	5	0	0	0	0	0	0	0	0	45	41	40	0	0.0	0.0					
	Upper Heyford ...	408	1003.7	-1.4	m	3	45	97	5	5	0	0	0	1007.4	-1.0	m	3	45	92	5	0	0	0	0	0	0	0	0	45	42	39	0	0.0	0.0					
4	Ross-on-Wye ...	223	1003.7	-1.4	m	3	45	97	5	5	0	0	0	1003.3	-1.0	m	2	45	97	4	6	0	0	0	0	0	0	0	46	43	42	1	3	0.0					
5	Hartland Point ...	299	1002.8	-1.8	m	3	47	97	7	5	0	0	0	1001.4	-1.0	m	3	47	97	6	3	4	4	2	3	4	2	48	44	42	1	3	1.5						
	Bristol ...	209	1003.3	-1.8	m	3	45	92	4	5	0	0	0	1005.0	-1.0	m	3	47	97	6	3	2	2	4	6	2	48	44	42	3	3	0.0							
	Portland Bill ...	32	1004.2	-2.0	m	4	45	85	7	5	0	0	0	1003.1	-1.0	m	4	47	97	6	3	0	0	4	6	4	52	48	42	4	3	0.0							
	Plymouth ...	82	1003.0	-1.0	m	2	48	92	5	5	0	0	0	1002.1	-1.0	m	3	48	92	5	0	0	0	4	6	4	54	48	43	1	14	1.5							
	The Lizard ...	240	1001.9	-1.4	m	3	45	95	5	5	0	0	0	1001.2	-1.0	m	3	49	92	5	0	0	0	4	6	4	54	48	43	0.5	0.3	2.3							
	Scilly (St. Mary's) ...	163	1001.1	-1.8	m	3	49	92	5	5	0	0	0	1000.2	-1.0	m	3	49	92	5	0	0	0	4	6	4	53	47	43	0.3	0.3	3.8							
	Guernsey ...	175	1003.3	-2.0	m	2	45	92	5	5	0	0	0	1002.2	-1.0	m	2	49	92	5	0	0	0	4	6	4	54	48	43	1	5	1.9							
6	Pembroke ...	142	1003.5	-1.0	m	3	46	92	5	5	0	0	0	1001.7	-1.0	m	3	48	97	6	3	2	0	7	8	10	50	45	43	3	1	0.0							
7	Holyhead ...	26	1007.0	-1.0	m	2	46	85	5	5	0	0	0	1005.1	-1.0	m	2	45	92	5	0	0	0	4	6	10	49	44	42	0.2	1	0.0							
	Chester (Sealand) ...	16	1003.7	-1.8	m	2	44	85	5	5	0	0	0	1005.6	-1.0	m	2	46	85	5	0	0	0	0	0	0	0	49	43	42	0.2	1	0.3						
8	Manchester ...	70	1010.5	-1.0	m	4	44	85	5	5	0	0	0	1008.3	-1.0	m	3	45	92	4	5	0	0	0	0	0	0	49	43	41	0	1.3	0.0						
10	Spurn Head ...	29	1011.5	-1.4	SE	5	47	75	6	5	0	0	0	1010.0	-1.0	SE	5	46	92	5	5	0	0	0	0	0	0	0	48	45	43	0.3	0.0	0.0					
	Catterick ...	175	1013.1	-1.4	NE	1	42	92	6	5	0	0	0	1011.2	-1.0	SE	1	45	92	6	5	0	0	0	0	0	0	0	45	41	40	0.1	0.0	0.0					
	Tynemouth ...	108	1014.3	-1.8	SE	5	46	75	7	6	0	0	0	1012.8	-1.0	SE	6	47	75	6	6	0	0	0	0	0	0	0	49	46	43	3	0.1	0.0					
11	St. Abbs Head ...	280	1014.1	-1.4	SE	5	46	75	8	8	2	0	0	1012.5	-1.0	SE	6	46	92	7	8	2	0	0	0	0	0	0	48	44	43	0.1	2	0.0					
	Leuchars ...	36	1013.5	-1.0	SE	4	45	85	5	5	0	0	0	1014.0	0	SE	4	46	75	7	3	0	0	0	0	0	0	0	48	43	40	1	1	0.0					
12	Benfrew (Abbots L.) ...	19	1014.2	-1.0	m	3	42	85	7	5	0	0	0	1012.0	-1.0	m	4	45	75	6	5	7	0	9	10	23	49	42	35	1	0.9	0.0							
	Eskdalemuir ...	794	1010.3	-1.3	SE	6	46	85	7	8	1	0	0	1011.5	-1.0	SE	6	40	92	6	5	0	0	0	0	0	0	0	44	39	38	2	0.6	0.0					
	Point of Ayre ...	30	1010.3	-1.3	SE	6	46	85	7	8	1	0	0	1007.8	-1.0	SE	6	48	85	7	5	1	0	9	10	15	52	46	40	0	0.9	0.0							
13A	Tiree ...	22	1017.4	-1.2	SE	5	45	75	7	5	0	0	0	1015.1	-1.0	SE	5	46	85	8	5	0	0	0	0	0	0	0	49	43	40	0	0.1	0.0					
13B	Stornoway ...	80	1017.4	-1.2	SE	5	45	75	7	5	0	0	0	1015.1	-1.0	SE	5	46	85	8	5	0	0	0	0	0	0	0	49	43	40	0	0.1	0.0					
15	Dalwhinnie ...	1176	1017.4	-1.2	SE	5	45	75	7	5	0	0	0	1015.1	-1.0	SE	5	46	85	8	5	0	0	0	0	0	0	0	49	43	40	0	0.1	0.0					
	Aberdeen ...	79	1018.0	-1.0	SE	5	45	75	7	5	0	0	0	1016.4	-1.0	SE	5	47	75	8	5	7	8	9	10	23	48	43	40	0	0.3	0.0							
	Wick ...	81	1022.5	-1.8	SE	5	45	75	8	8	0	0	0	1020.7	-1.0	SE	5	45	65	8	5	7	8	9	10	23	47	43	40	0	0.3	0.0							
16	Lerwick ...	166	1022.5	-1.8	SE	5	45	75	8	8	0	0	0	1020.7	-1.0	SE	5	45	65	8	5	7	8	9	10	23	47	43	40	0	0.3	0.0							
17	Blackrod Point ...	18	1004.3	-1.4	SE	5	47	85	8	3	0	0	0	1003.4	-1.0	SE	4	48	85	7	5	0	0	0	0	0	0	0	49	44	44	0.4	0.1	0.0					
18	Malin Head ...	84	1009.3	-1.4	SE	4	44	85	6	5	0	0	0	1007.2	-1.0	SE	4	47	75	7	3	0	0	0	0	0	0	0	51	42	41	1	0.5	0.3					
	Aldergrove ...	268	1009.3	-1.4	SE	4	44	85	6	5	0	0	0	1007.2	-1.0																								

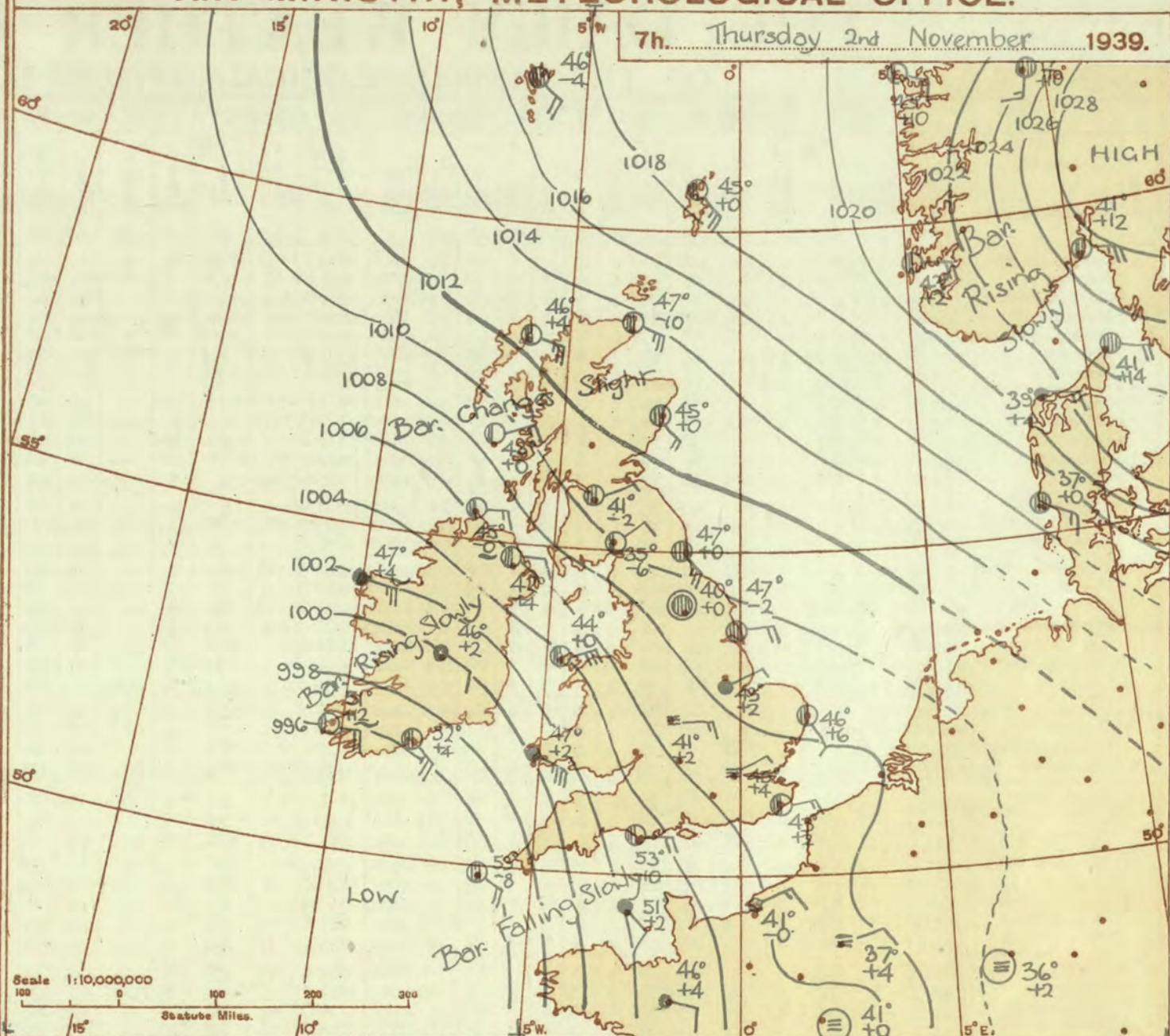
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 1st November														OBSERVATIONS at 18h. G.M.T. 1st November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	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. 0-12					Low.	Med.	High	Low 0-10	Total 0-10			Base. (feet)	Dir.					Force. 0-12	Low.	Med.	High	Low 0-10			Total 0-10	Height of Base (feet)	7h.—13h. ...1st...	13h.—18h. ...1st...	18h. 1st. to 1h.—2nd	1h.—7h. ...2nd...
1	London (Kew)...	1006.2	-2	ENE	3	z.	49	85	6	5	-	10	10	1500	1006.7	+6	NE	3	z.	47	75	5	5	-	10	10	800	1	*	cmo	cmo	cmo	cm		
	Croydon ...	1006.8	-4	ENE	3	z.	49	92	6	5	-	9+	9+	2500	1006.7	+2	EN	1	z.	45	92	5	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm		
	S. Farnborough	1005.5	-12	E	3	z.	51	75	6	7	7	1	2.3	4.6	2500	1006.3	+6	NW	2	46	85	4	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm		
	Boscombe Down	1005.4	-4	E	3	z.	46	92	6	5	2	-	9+	10	800	1005.4	+2	ENE	3	z.	46	92	6	5	-	10	10	1500	0	*	cmo	cmo	cmo	cm	
	Calshot (Soton.)	1004.8	0	E	4	z.	49	92	6	5	7	-	4.6	9+	1500	1005.1	+2	ENE	3	z.	48	92	5	7	-	7.8	3	2500	1	3	cmo	cmo	cmo	cm	
	Lymington	1006.2	-18	ENE	2	ir.	44	85	5	5	1	-	10	10	450	1007.0	+4	EN	2	44	85	4	5	-	9+	9+	4000	1	3	cmo	cmo	cmo	cm		
	Manston	1006.4	-10	ESE	3	z.	46	85	6	5	7	-	7.8	10	1500	1006.8	+6	ESE	1	z.	46	92	5	5	-	10	10	800	0	*	cmo	cmo	cmo	cm	
2	Shoeburyness ...	1007.4	-8	E	4	c.	48	85	6	5	-	10	10	1500	1007.1	+4	NE	2	c.	47	92	6	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm		
	Felixstowe ...	1007.6	-8	E	3	z.	46	85	6	5	-	10	10	1500	1007.0	0	E	3	z.	46	92	5	5	-	10	10	1500	1	3	cmo	cmo	cmo	cm		
	Gorleston ...	1007.3	-4	EN	4	c.	45	85	6	5	-	10	10	2500	1008.2	-2	E	3	c.	44	85	6	5	-	10	10	2500	0	3	cmo	cmo	cmo	cm		
	Mildenhall ...	1007.9	-6	EN	4	z.	46	85	6	5	2	-	9+	10	1500	1007.5	+2	ENE	2	z.	44	85	5	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm	
	Cranwell ...	1008.5	-4	E	3	z.	45	85	6	5	-	10	10	1500	1009.0	+8	E	3	z.	42	85	6	5	-	10	10	1500	0	*	cmo	cmo	cmo	cm		
3	Birmingham	1007.2	0	ENE	3	c.	47	75	6	5	7	-	7.8	9+	1500	1007.8	+6	E	3	43	85	5	5	-	10	10	800	1	*	cmo	cmo	cmo	cm		
	Upper Heyford	1007.0	-6	E	4	z.	48	85	6	5	2	-	9	10	800	1007.7	+6	E	3	43	97	5	5	-	9	10	800	1	*	cmo	cmo	cmo	cm		
4	Ross-on-Wye ...	1003.7	-4	E	3	z.	50	85	6	5	-	9+	9+	2500	1006.5	+4	E	3	z.	47	85	5	5	-	10	10	800	1	*	cmo	cmo	cmo	cm		
5	Hartland Point	1002.0	-6	E	3	bc	52	85	8	2	4	1	4.6	4.6	2500	1001.7	0	ESE	3	c.	48	92	8	3	4	-	4.6	7.8	2500	0	3	bc	bc	bc	bc
	Bristol ...	1005.0	-2	ESE	2	z.	49	85	6	5	2	-	7.8	10	1500	1005.2	0	E	2	47	85	6	5	2	-	9	10	1500	1	*	cmo	cmo	cmo	cm	
	Portland Bill ...	1004.0	+10	E	4	bc	53	92	8	5	4	-	4.6	4.6	4000	1004.0	-12	SE	4	bc	52	85	8	5	-	4.6	4.6	4000	1	3	bc	bc	bc	bc	
	Plymouth ...	1002.2	-2	ESE	3	bc	56	65	8	8	5	4	4.6	4.6	2500	1002.4	+4	SE	3	c.	50	85	7	8	-	7.8	7.8	2500	1	2	bc	bc	bc	bc	
	The Lizard ...	1001.6	0	SE	4	c.	55	85	8	8	6	-	7.8	7.8	2500	1000.3	-2	ESE	5	c.	51	92	8	8	2	-	9	10	1500	0	2	bc	bc	bc	bc
	Scilly (St. Mary's)	1000.0	-6	ESE	4	c.	53	85	8	8	1	-	2.3	7.8	1500	998.0	-6	ESE	5	rr	51	97	8	8	2	-	4.6	10	1500	1	2	bc	bc	bc	bc
	Guernsey ...	1003.0	+4	SE	1	bc	51	85	9	2	7	-	4.6	4.6	1500	1002.9	0	ESE	1	bc	50	92	8	1	7	-	2.3	4.6	2500	1	2	bc	bc	bc	bc
6	Pembroke ...	1003.9	-2	SE	6	bc	54	85	7	5	7	-	4.6	4.6	2500	1002.4	0	SE	5	cq	49	92	5	8	7	-	4.6	9+	1500	1	3	bc	bc	bc	bc
7	Holyhead ...	1004.8	-2	EN	5	c.	51	75	7	5	-	9	9	2500	1003.7	+8	E	4	c.	49	85	6	5	-	7.8	7.8	4000	0	2	bc	bc	bc	bc		
	Chester (Sealand)	1007.9	-2	E	3	z.	49	75	6	5	2	-	7.8	10	2500	1008.2	+8	E	3	m	46	75	4	5	-	10	10	2500	1	*	cmo	cmo	cmo	cm	
8	Manchester ...	1007.8	-6	E	3	z.	50	75	5	5	3	1	4.6	9	1500	1008.6	+6	EN	4	m	45	85	4	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm	
10	Spurn Head ...	1008.5	-4	ESE	5	0	45	75	6	5	-	10	10	800	1010.1	+2	E	5	0	45	65	7	5	-	10	10	1500	0		0	0	0	0		
	Catterick ...	1012.6	-2	ESE	6	0	45	85	6	6	-	10	10	1500	1010.8	+2	ENE	2	z.	41	82	6	5	-	9+	9+	2500	1		0	0	0	0		
	Tynemouth ...	1012.6	-2	ESE	6	0	45	85	6	6	-	10	10	1500	1012.3	+4	ESE	5	0	45	65	7	8	-	10	10	1500	1	3	0	0	0	0		
11	St. Abbs Head	1012.1	-6	SE	6	cq	45	75	8	5	2	-	7.8	10	2500	1012.4	+4	SE	5	c	45	75	7	8	2	-	7.8	10	1500	0	4	cq	cq	cq	cq
	Leuchars ...	1013.2	-6	ESE	4	c.	46	65	7	5	-	10	10	800	1013.0	0	ESE	4	c.	46	65	7	5	-	10	10	2500	1	*	cmo	cmo	cmo	cm		
12	Renfrew (Abbots L.)	1011.8	-4	EN	3	z.	45	75	5	5	-	10	10	2500	1011.3	+2	E	4	z.	45	85	5	5	-	10	10	1500	1	*	cmo	cmo	cmo	cm		
	Eskdalemuir ...	1010.4	-4	EN	4	d.d.	42	97	6	6	-	10	10	450	1011.2	+6	EN	4	c.	40	85	6	5	-	10	10	800	1	*	cmo	cmo	cmo	cm		
	Point of Ayre ...	1008.1	0	SE	5	c.	49	85	7	8	1	-	9	10	1500	1008.0	0	SE	6	c.	48	85	7	5	-	9	9	1500	0	3	cpr	c	bc	bc	
13a	Tiree ...	1009.8	-2	E	4	c.	48	75	7	5	-	7.8	7.8	2500	1009.6	+4	E	4	c.	47	75	7	5	-	9+	9+	2500	0	4	c	bc	bc	bc		
13b	Stornoway ...	1014.5	-8	ESE	4	c.	48	75	8	5	6	-	4.6	7.8	4000	1012.7	0	ESE	5	bc	47	65	8	7	-	2.3	4.6	4000	0	2	c	bc	bc	bc	
15	Dalwhinnie ...	1013.5	-8	NW	3	c.	40	75	6	8	2	-	4.6	9	2500	1014.0	+4	SE	2	c.	39	85	6	8	2	-	4.6	10	2500	1	*	cir	cir	cir	cir
	Aberdeen ...	1013.2	-4	SEE	4	c.	46	65	6	5	-	10	10	1500	1014.7	-2	SE	4	c.	47	75	6	5	-	10	10	1500	1	3	cir	cir	bc	bc		
	Wick ...	1015.8	-4	SE	5	c.	47	85	8	5	7	9	7.8	9+	1500	1015.6	+6	SSE	6	c.	48	65	7	5	7	-	7.8	10	1500	1	3	cpr	cpr	cpr	cpr
16	Lerwick ...	1020.4	-2	SE	3	c.	45	75	7	8	2	-	7.8	10	800	1019.9	+2	SSE	5	c.	45	75	7	8	7	-	7.8	9+	800	*	*	cpr	cpr	cpr	cpr
17	Blacksod Point..	1002.8	-8	E	3	c.	50	75	7	-	7	-	0	10	-	1002.1	+4	E	3	c.	50	85	7	-	7	-	0	10	-	0	3	c	c	bc	bc
18	Malin Head ...	1007.0	+6	E	4	z.	49	75	6	5	-	7.8	7.8	4000	1006.9	+4	E	5	z.	50	75	6	8	-	9	9	4000	0	3	c	c	bc	bc		
	Aldergrove ...	1006.5	-8	E	4	c.	48	75	6	8	2	8	4.6	9	1500	1007.1	+8	E	4	z.															

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 2nd November 1939.



DISTRICTS.

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

1 S.E. England	Wind southeast, light to moderate; mainly dull; some occasional light rain or drizzle; average temperature.
2 E. England ...	Wind east to southeast, light to moderate; dull; rather misty; average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	As (1)
6 South Wales ...	Wind southeast, fresh to strong at times on the coast; cloudy, occasional rain, fairer periods; mild.
7 North Wales ...	
8 N.W. England	Wind southeast, light to moderate, fresh locally on the coast; cloudy or dull; some light local rain or drizzle; temperature rather below average.
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 Orkneys and Shetlands	
17 N. W. Ireland	Wind east to southeast, fresh to strong at times on the coast; cloudy; occasional rain; rather mild.
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.

An anticyclone covers the Baltic area. A depression is stationary off our southwest coasts and secondaries are moving up in the Bay of Biscay area. Weather will be generally cloudy or dull with occasional rain or drizzle over most of the southwestern half of the British Isles and local light rain or drizzle elsewhere. Temperature will be mainly about average.

FURTHER OUTLOOK.

Unsettled.

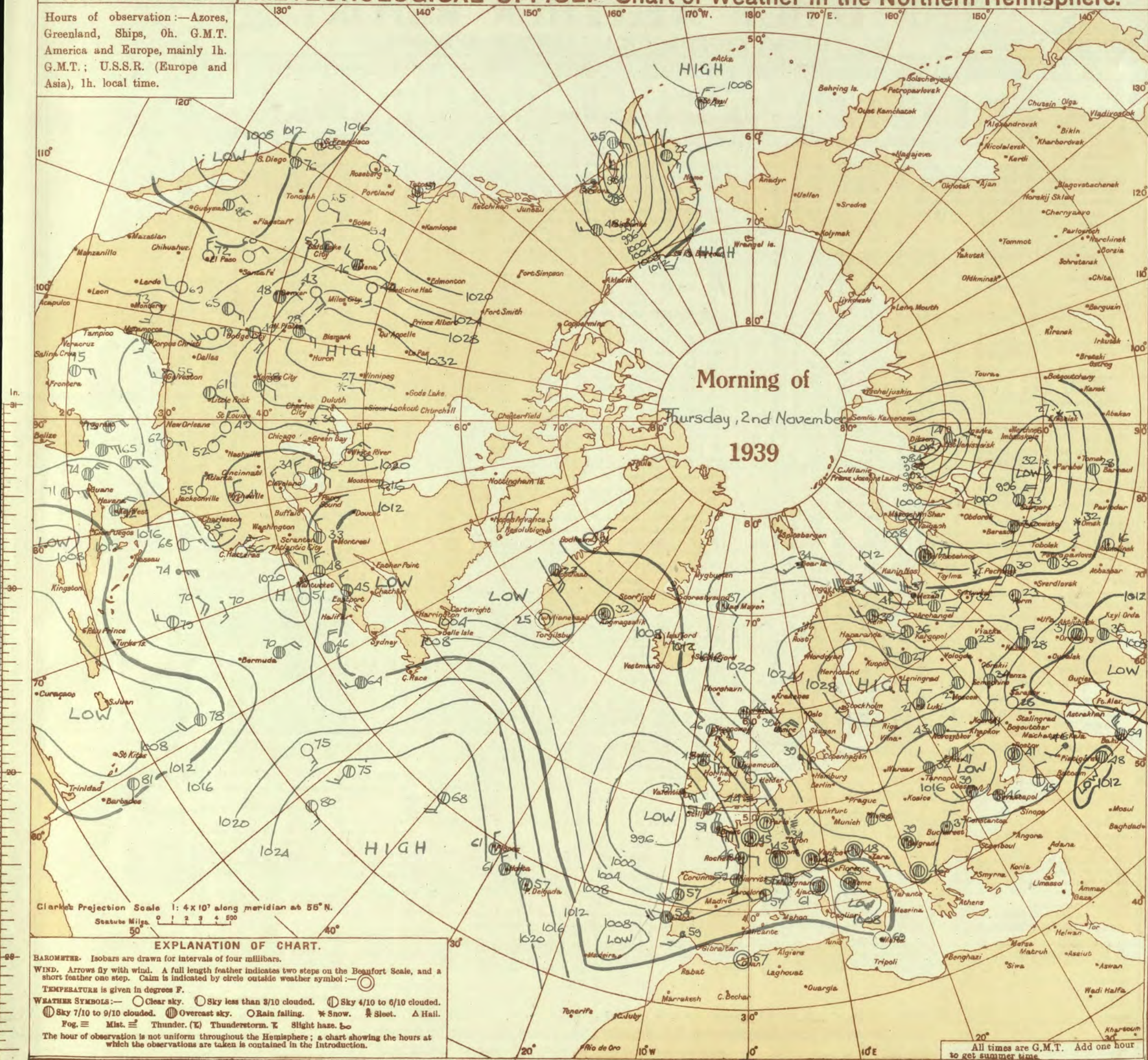
Forecasts issued at 0930 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1.

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

G. 47/3788 100 2103.3.45.05 Gp. 348 28860.10/39

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. 2nd November														OBSERVATIONS at 7 hr. G.M.T. 2nd 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. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine. 1st. Hrs. (36)		
					Direc. (3)	Force. 0-12 (4)					Form. (10)	Amount. (11)	Height of Base. (feet) (12)	Direc. (17)	Force. 0-12 (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)							
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1006.5	+2	E	2	m	46	92	4	5	-	-	10	10	1500	1	*	50	45	44	Tr	-	0.0			
	Croydon	217	1007.1	0	E'N	2	cf	44	97	3	5	-	-	10	10	1500	1006.9	+4	ENE	1	f	45	97	3	5	-	-	10	10	800	1	*	49	43	42	-	Tr	0.0
	S. Farnborough	226	1006.1	-6	NE	2	ft	44	97	2	5	-	-	10	10	1500	1006.1	+2	E'N	3	c/f	45	97	4	5	-	-	10	10	450	1	*	54	44	*	Tr	-	0.0
	Boscombe Down	417	1005.4	-2	E'N	3	zo	43	97	6	5	-	-	10	10	2500	1004.8	0	E'N	4	zo	44	97	5	5	-	-	7-8	7-8	1500	0	*	48	43	40	2	-	0.0
	Calshot (Stmntn.)	8	1005.2	-4	ENE	3	m	45	97	4	5	-	-	9	9	4000	1004.6	-2	E'N	4	zo	48	92	6	5	-	-	7-8	10	2500	1	3	51	43	43	9	-	0.3
	Lympe	346	1007.8	+2	E'N	3	zo	44	97	5	5	-	-	4-6	9	800	1007.6	+2	E'N	3	c/f	43	97	6	5	-	-	9	9	-	1	2	45	37	35	1	0.2	0.3
	Manston	154	1006.8	-4	-	0	ir	47	97	5	5	-	-	10	10	800	1007.2	+6	ESE	3	zo	46	97	6	5	-	-	9	9	1500	0	*	47	42	37	Tr	-	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1008.3	+4	SE'E	3	c	46	97	4	5	-	-	10	10	450	1	*	49	44	37	-	Tr	0.0			
	Felixstowe	15	1007.0	0	E	2	zo	45	92	6	5	-	-	9	9	4000	1007.4	+4	E'N	2	m	46	97	4	5	-	-	9	9	1500	1	2	48	43	41	Tr	Tr	0.0
	Gorleston	5	1008.0	0	NE	2	c	46	85	6	5	-	-	10	10	2500	1008.5	+6	SSE	1	c	46	97	5	5	-	-	9	9	2500	0	2	47	43	42	-	-	0.0
	Mildenhall	19	1007.6	-2	NE	2	c	43	92	6	5	-	-	10	10	1500	1007.5	+2	ENE	2	zo	43	97	6	5	-	-	9	9	5700	1	*	48	41	37	-	-	0.0
	Cranwell	240	1008.4	-2	E	1	zo	41	85	6	5	-	-	10	10	1500	1008.2	+2	ENE	1	id.	43	92	4	5	-	-	10	10	1500	1	*	46	41	40	-	Tr	0.0
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1007.7	+2	E	3	df	41	97	2	-	-	-	10	10	450	1	*	48	40	39	Tr	0.0	Tr	*		
	Upper Heyford	408	1007.7	-2	ENE	2	m/d	41	97	4	5	-	-	10	10	450	1007.2	+2	ENE	2	c/f	42	97	4	5	-	-	10	10	800	1	*	49	40	40	Tr	Tr	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1005.7	0	E	2	ir	43	97	4	5	-	-	10	10	800	1	*	50	42	40	0.5	0.3	0.1	*		
5	Hartland Point	299	1000.8	-4	E	4	d	48	92	7	5	-	-	7-8	10	1500	1000.1	0	NE	4	ir	47	97	7	6	-	-	4-6	9	1500	1	3	53	46	45	-	Tr	7.3
	Bristol	209	1005.5	-6	E'N	3	zo	44	92	5	5	-	-	9	9	800	1005.0	+2	E	3	c/r	45	92	5	5	-	-	7-8	10	800	1	*	49	44	40	0.4	Tr	0.3
	Portland Bill	32	1002.9	-10	SE	4	c	51	85	7	5	-	-	10	10	2500	1003.3	-10	E	4	c	53	92	7	5	-	-	10	10	2500	1	3	53	48	*	-	-	0.0
	Plymouth	82	1001.1	-8	SE	3	c/r	51	92	7	5	-	-	10	10	2500	1000.6	+2	SE	3	ro	50	97	6	-	-	10	10	1500	1	3	56	49	47	-	12	6.4	
	The Lizard	240	998.5	-12	SE	6	RR	52	97	8	8	-	-	9	9	1500	997.4	-8	SE	7	c	53	92	8	8	-	-	7-8	9	1500	1	4	57	50	*	-	8	5.1
	Scilly (St. Mary's)	163	996.3	-2	SE'E	4	c/r	51	97	8	8	-	-	4-6	9	1500	995.1	-8	ESE	4	c	53	97	7	8	-	-	4-6	7-8	1500	1	3	55	49	*	0.1	7	3.5
	Guernsey	175	1002.4	-4	SE	1	c	53	92	8	5	-	-	4-6	10	2500	1001.9	+2	SE	2	pr	51	92	7	8	-	-	9	9	1500	1	2	53	50	45	-	0.5	1.6
6	Pembroke	142	1000.6	-4	SE'E	7	ro	48	92	5	5	-	-	10	10	1500	1000.6	+2	SE'E	7	ro	47	97	5	8	-	-	9	9	1500	1	3	54	46	*	Tr	2	4.3
7	Holyhead	26	1005.0	-10	E'N	5	b	45	85	6	5	-	-	0	Tr	-	1003.8	0	E'N	6	bc	44	85	7	5	-	-	2-3	4-6	2500	0	3	52	43	41	Tr	-	1.1
	Chester (Sealand)	16	1007.7	-6	E	3	zo	42	75	6	5	-	-	10	10	1500	1007.0	-2	E'S	3	zo	43	85	5	5	-	-	10	10	1500	1	*	49	42	41	0.1	-	0.0
8	Manchester	70	1008.2	-2	E'S	3	zo	40	85	5	3	-	-	9	10	2500	1007.9	+2	E'S	2	cf	42	85	3	5	-	-	10	10	800	1	*	50	40	33	-	-	0.1
10	Spurn Head	29	1008.7	-4	E	4	id.	45	75	6	5	-	-	10	10	1500	1008.4	-2	E	4	c	47	85	6	5	-	-	10	10	800	1	3	46	43	*	Tr	Tr	0.0
	Catterick	175	1009.7	-6	-	0	zo	40	85	6	5	-	-	9	9	1500	1009.3	0	-	0	zo	40	92	6	5	-	-	10	10	1500	1	*	45	38	37	0.1	-	0.0
	Tynemouth	108	1011.0	-6	SE	5	c	46	65	7	8	-	-	9	9	1500	1010.3	0	SE	5	c	47	85	7	6	-	-	10	10	1500	1	2	47	44	42	0.3	0.6	*
11	St. Abbs Head	280	1010.7	-8	SE	5	c/r	44	85	8	8	-	-	4-6	7-8	2500	1010.1	-2	ESE	6	c/r	45	85	8	8	-	-	7-8	10	1500	0	4	46	42	*	Tr	0.5	*
	Leuchars	36	1012.1	-6	ESE	2	pr	44	75	8	8	-	-	7-8	7-8	2500	1011.1	-2	ESE	4	c/pr	45	85	7	8	-	-	10	10	2500	1	*	47	43	39	0.1	Tr	0.0
12	Renfrew (Abbots I.)	19	1011.6	-2	E'S	2	zo	42	75	6	5	-	-	9	9	5700	1010.7	-2	E'N	1	zo	41	85	5	3	-	-	4-6	7-8	2500	0	*	46	40	34	0.3	Tr	0.0
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1009.5	-6	NE	2	bc	35	92	6	5	-	-	-	-	2-3	2-3	2500	1	*	48	35	32	0.3	0.3	0.0	
	Point of Ayre	30	1007.8	-2	SSE	6	b	44	75	7	1	-	-	Tr	Tr	4000	1006.8	-4	SE'S	5	bc	45	75	7	8	-	-	2-3	4-6	4000	0	3	50	43	*	Tr	-	0.0
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1009.3	0	E'N	3	bc	43	75	8	2	4	5	2-3	4-6	2500	0	3	49	41	38	-	-	-	1.1		
13B	Stornoway	80	1013.4	0	ESE	5	bc	46	65	8	5	-	-	4-6	4-6</																							

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 3rd November 1939.
No. 28472

OBSERVATIONS at 13h. G.M.T. 2nd November

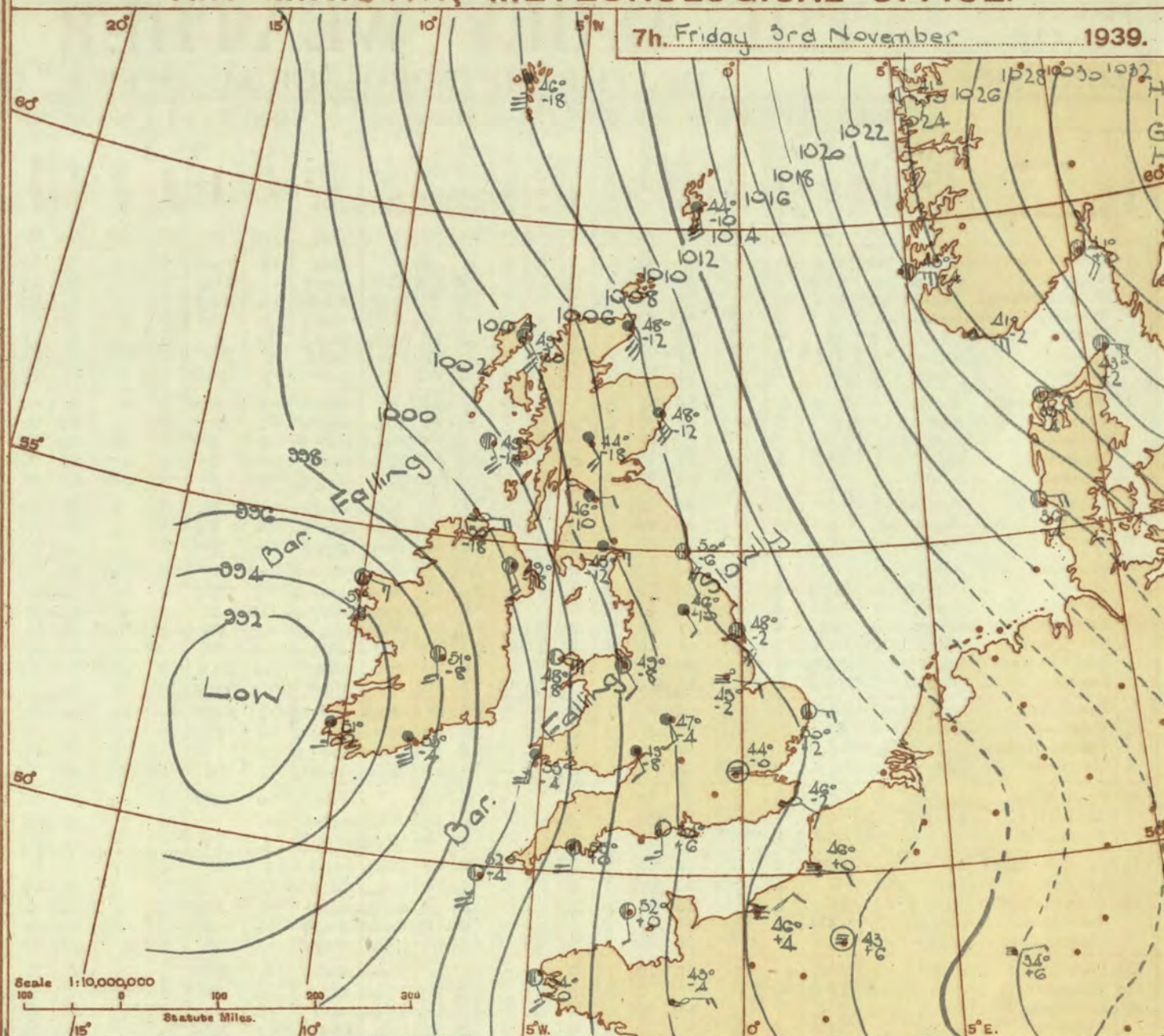
OBSERVATIONS at 18h. G.M.T. 2nd November

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-10 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-10 (22)	Cloud.				Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	Wind.		Weather.	Temp. °F. (34)	Humid. % (35)	Visibility. 0-10 (36)	Cloud.				Barom. at M.S.L. mb. (40)	Change in 3 hours. (41)	Wind.		Weather.	Temp. °F. (44)	Humid. % (45)	Visibility. 0-10 (46)	Cloud.				Barom. at M.S.L. mb. (50)	Change in 3 hours. (51)	Wind.		Weather.	Temp. °F. (54)	Humid. % (55)	Visibility. 0-10 (56)	Cloud.				Barom. at M.S.L. mb. (60)	Change in 3 hours. (61)	Wind.		Weather.	Temp. °F. (64)	Humid. % (65)	Visibility. 0-10 (66)	Cloud.				Barom. at M.S.L. mb. (70)	Change in 3 hours. (71)	Wind.		Weather.	Temp. °F. (74)	Humid. % (75)	Visibility. 0-10 (76)	Cloud.				Barom. at M.S.L. mb. (80)	Change in 3 hours. (81)	Wind.		Weather.	Temp. °F. (84)	Humid. % (85)	Visibility. 0-10 (86)	Cloud.				Barom. at M.S.L. mb. (90)	Change in 3 hours. (91)	Wind.		Weather.	Temp. °F. (94)	Humid. % (95)	Visibility. 0-10 (96)	Cloud.				Barom. at M.S.L. mb. (100)	Change in 3 hours. (101)	Wind.		Weather.	Temp. °F. (104)	Humid. % (105)	Visibility. 0-10 (106)	Cloud.				Barom. at M.S.L. mb. (110)	Change in 3 hours. (111)	Wind.		Weather.	Temp. °F. (114)	Humid. % (115)	Visibility. 0-10 (116)	Cloud.				Barom. at M.S.L. mb. (120)	Change in 3 hours. (121)	Wind.		Weather.	Temp. °F. (124)	Humid. % (125)	Visibility. 0-10 (126)	Cloud.				Barom. at M.S.L. mb. (130)	Change in 3 hours. (131)	Wind.		Weather.	Temp. °F. (134)	Humid. % (135)	Visibility. 0-10 (136)	Cloud.				Barom. at M.S.L. mb. (140)	Change in 3 hours. (141)	Wind.		Weather.	Temp. °F. (144)	Humid. % (145)	Visibility. 0-10 (146)	Cloud.				Barom. at M.S.L. mb. (150)	Change in 3 hours. (151)	Wind.		Weather.	Temp. °F. (154)	Humid. % (155)	Visibility. 0-10 (156)	Cloud.				Barom. at M.S.L. mb. (160)	Change in 3 hours. (161)	Wind.		Weather.	Temp. °F. (164)	Humid. % (165)	Visibility. 0-10 (166)	Cloud.				Barom. at M.S.L. mb. (170)	Change in 3 hours. (171)	Wind.		Weather.	Temp. °F. (174)	Humid. % (175)	Visibility. 0-10 (176)	Cloud.				Barom. at M.S.L. mb. (180)	Change in 3 hours. (181)	Wind.		Weather.	Temp. °F. (184)	Humid. % (185)	Visibility. 0-10 (186)	Cloud.				Barom. at M.S.L. mb. (190)	Change in 3 hours. (191)	Wind.		Weather.	Temp. °F. (194)	Humid. % (195)	Visibility. 0-10 (196)	Cloud.				Barom. at M.S.L. mb. (200)	Change in 3 hours. (201)	Wind.		Weather.	Temp. °F. (204)	Humid. % (205)	Visibility. 0-10 (206)	Cloud.				Barom. at M.S.L. mb. (210)	Change in 3 hours. (211)	Wind.		Weather.	Temp. °F. (214)	Humid. % (215)	Visibility. 0-10 (216)	Cloud.				Barom. at M.S.L. mb. (220)	Change in 3 hours. (221)	Wind.		Weather.	Temp. °F. (224)	Humid. % (225)	Visibility. 0-10 (226)	Cloud.				Barom. at M.S.L. mb. (230)	Change in 3 hours. (231)	Wind.		Weather.	Temp. °F. (234)	Humid. % (235)	Visibility. 0-10 (236)	Cloud.				Barom. at M.S.L. mb. (240)	Change in 3 hours. (241)	Wind.		Weather.	Temp. °F. (244)	Humid. % (245)	Visibility. 0-10 (246)	Cloud.				Barom. at M.S.L. mb. (250)	Change in 3 hours. (251)	Wind.		Weather.	Temp. °F. (254)	Humid. % (255)	Visibility. 0-10 (256)	Cloud.				Barom. at M.S.L. mb. (260)	Change in 3 hours. (261)	Wind.		Weather.	Temp. °F. (264)	Humid. % (265)	Visibility. 0-10 (266)	Cloud.				Barom. at M.S.L. mb. (270)	Change in 3 hours. (271)	Wind.		Weather.	Temp. °F. (274)	Humid. % (275)	Visibility. 0-10 (276)	Cloud.				Barom. at M.S.L. mb. (280)	Change in 3 hours. (281)	Wind.		Weather.	Temp. °F. (284)	Humid. % (285)	Visibility. 0-10 (286)	Cloud.				Barom. at M.S.L. mb. (290)	Change in 3 hours. (291)	Wind.		Weather.	Temp. °F. (294)	Humid. % (295)	Visibility. 0-10 (296)	Cloud.				Barom. at M.S.L. mb. (300)	Change in 3 hours. (301)	Wind.		Weather.	Temp. °F. (304)	Humid. % (305)	Visibility. 0-10 (306)	Cloud.				Barom. at M.S.L. mb. (310)	Change in 3 hours. (311)	Wind.		Weather.	Temp. °F. (314)	Humid. % (315)	Visibility. 0-10 (316)	Cloud.				Barom. at M.S.L. mb. (320)	Change in 3 hours. (321)	Wind.		Weather.	Temp. °F. (324)	Humid. % (325)	Visibility. 0-10 (326)	Cloud.				Barom. at M.S.L. mb. (330)	Change in 3 hours. (331)	Wind.		Weather.	Temp. °F. (334)	Humid. % (335)	Visibility. 0-10 (336)	Cloud.				Barom. at M.S.L. mb. (340)	Change in 3 hours. (341)	Wind.		Weather.	Temp. °F. (344)	Humid. % (345)	Visibility. 0-10 (346)	Cloud.				Barom. at M.S.L. mb. (350)	Change in 3 hours. (351)	Wind.		Weather.	Temp. °F. (354)	Humid. % (355)	Visibility. 0-10 (356)	Cloud.				Barom. at M.S.L. mb. (360)	Change in 3 hours. (361)	Wind.		Weather.	Temp. °F. (364)	Humid. % (365)	Visibility. 0-10 (366)	Cloud.				Barom. at M.S.L. mb. (370)	Change in 3 hours. (371)	Wind.		Weather.	Temp. °F. (374)	Humid. % (375)	Visibility. 0-10 (376)	Cloud.				Barom. at M.S.L. mb. (380)	Change in 3 hours. (381)	Wind.		Weather.	Temp. °F. (384)	Humid. % (385)	Visibility. 0-10 (386)	Cloud.				Barom. at M.S.L. mb. (390)	Change in 3 hours. (391)	Wind.		Weather.	Temp. °F. (394)	Humid. % (395)	Visibility. 0-10 (396)	Cloud.				Barom. at M.S.L. mb. (400)	Change in 3 hours. (401)	Wind.		Weather.	Temp. °F. (404)	Humid. % (405)	Visibility. 0-10 (406)	Cloud.				Barom. at M.S.L. mb. (410)	Change in 3 hours. (411)	Wind.		Weather.	Temp. °F. (414)	Humid. % (415)	Visibility. 0-10 (416)	Cloud.				Barom. at M.S.L. mb. (420)	Change in 3 hours. (421)	Wind.		Weather.	Temp. °F. (424)	Humid. % (425)	Visibility. 0-10 (426)	Cloud.				Barom. at M.S.L. mb. (430)	Change in 3 hours. (431)	Wind.		Weather.	Temp. °F. (434)	Humid. % (435)	Visibility. 0-10 (436)	Cloud.				Barom. at M.S.L. mb. (440)	Change in 3 hours. (441)	Wind.		Weather.	Temp. °F. (444)	Humid. % (445)	Visibility. 0-10 (446)	Cloud.				Barom. at M.S.L. mb. (450)	Change in 3 hours. (451)	Wind.		Weather.	Temp. °F. (454)	Humid. % (455)	Visibility. 0-10 (456)	Cloud.				Barom. at M.S.L. mb. (460)	Change in 3 hours. (461)	Wind.		Weather.	Temp. °F. (464)	Humid. % (465)	Visibility. 0-10 (466)	Cloud.				Barom. at M.S.L. mb. (470)	Change in 3 hours. (471)	Wind.		Weather.	Temp. °F. (474)	Humid. % (475)	Visibility. 0-10 (476)	Cloud.				Barom. at M.S.L. mb. (480)	Change in 3 hours. (481)	Wind.		Weather.	Temp. °F. (484)	Humid. % (485)	Visibility. 0-10 (486)	Cloud.				Barom. at M.S.L. mb. (490)	Change in 3 hours. (491)	Wind.		Weather.	Temp. °F. (494)	Humid. % (495)	Visibility. 0-10 (496)	Cloud.				Barom. at M.S.L. mb. (500)	Change in 3 hours. (501)	Wind.		Weather.	Temp. °F. (504)	Humid. % (505)	Visibility. 0-10 (506)	Cloud.				Barom. at M.S.L. mb. (510)	Change in 3 hours. (511)	Wind.		Weather.	Temp. °F. (514)	Humid. % (515)	Visibility. 0-10 (516)	Cloud.				Barom. at M.S.L. mb. (520)	Change in 3 hours. (521)	Wind.		Weather.	Temp. °F. (524)	Humid. % (525)	Visibility. 0-10 (526)	Cloud.				Barom. at M.S.L. mb. (530)	Change in 3 hours. (531)	Wind.		Weather.	Temp. °F. (534)	Humid. % (535)	Visibility. 0-10 (536)	Cloud.				Barom. at M.S.L. mb. (540)	Change in 3 hours. (541)	Wind.		Weather.	Temp. °F. (544)	Humid. % (545)	Visibility. 0-10 (546)	Cloud.				Barom. at M.S.L. mb. (550)	Change in 3 hours. (551)	Wind.		Weather.	Temp. °F. (554)	Humid. % (555)	Visibility. 0-10 (556)	Cloud.				Barom. at M.S.L. mb. (560)	Change in 3 hours. (561)	Wind.		Weather.	Temp. °F. (564)	Humid. % (565)	Visibility. 0-10 (566)	Cloud.				Barom. at M.S.L. mb. (570)	Change in 3 hours. (571)	Wind.		Weather.	Temp. °F. (574)	Humid. % (575)	Visibility. 0-10 (576)	Cloud.				Barom. at M.S.L. mb. (580)	Change in 3 hours. (581)	Wind.		Weather.	Temp. °F. (584)	Humid. % (585)	Visibility. 0-10 (586)	Cloud.				Barom. at M.S.L. mb. (590)	Change in 3 hours. (591)	Wind.		Weather.	Temp. °F. (594)	Humid. % (595)	Visibility. 0-10 (596)	Cloud.				Barom. at M.S.L. mb. (600)	Change in 3 hours. (601)	Wind.		Weather.	Temp. °F. (604)	Humid. % (605)	Visibility. 0-10 (606)	Cloud.				Barom. at M.S.L. mb. (610)	Change in 3 hours. (611)	Wind.		Weather.	Temp. °F. (614)	Humid. % (615)	Visibility. 0-10 (616)	Cloud.				Barom. at M.S.L. mb. (620)	Change in 3 hours. (621)	Wind.		Weather.	Temp. °F. (624)	Humid. % (625)	Visibility. 0-10 (626)	Cloud.				Barom. at M.S.L. mb. (630)	Change in 3 hours. (631)	Wind.		Weather.	Temp. °F. (634)	Humid. % (635)	Visibility. 0-10 (636)	Cloud.				Barom. at M.S.L. mb. (640)	Change in 3 hours. (641)	Wind.		Weather.	Temp. °F. (644)	Humid. % (645)	Visibility. 0-10 (646)	Cloud.				Barom. at M.S.L. mb. (650)	Change in 3 hours. (651)	Wind.		Weather.	Temp. °F. (654)	Humid. % (655)	Visibility. 0-10 (656)	Cloud.				Barom. at M.S.L. mb. (660)	Change in 3 hours. (661)	Wind.		Weather.	Temp. °F. (664)	Humid. % (665)	Visibility. 0-10 (666)	Cloud.				Barom. at M.S.L. mb. (670)	Change in 3 hours. (671)	Wind.		Weather.	Temp. °F. (674)	Humid. % (675)	Visibility. 0-10 (676)	Cloud.				Barom. at M.S.L. mb. (680)	Change in 3 hours. (681)	Wind.		Weather.	Temp. °F. (684)	Humid. % (685)	Visibility. 0-10 (686)	Cloud.				Barom. at M.S.L. mb. (690)	Change in 3 hours. (691)	Wind.		Weather.	Temp. °F. (694)	Humid. % (695)	Visibility. 0-10 (696)	Cloud.				Barom. at M.S.L. mb. (700)	Change in 3 hours. (701)	Wind.		Weather.	Temp. °F. (704)	Humid. % (705)	Visibility. 0-10 (706)	Cloud.				Barom. at M.S.L. mb. (710)	Change in 3 hours. (711)	Wind.		Weather.	Temp. °F. (714)	Humid. % (715)	Visibility. 0-10 (716)	Cloud.				Barom. at M.S.L. mb. (720)	Change in 3 hours. (721)	Wind.		Weather.	Temp. °F. (724)	Humid. % (725)	Visibility. 0-10 (726)	Cloud.				Barom. at M.S.L. mb. (730)	Change in 3 hours. (731)	Wind.		Weather.	Temp. °F. (734)	Humid. % (735)	Visibility. 0-10 (736)	Cloud.				Barom. at M.S.L. mb. (740)	Change in 3 hours. (741)	Wind.		Weather.	Temp. °F. (744)	Humid. % (745)	Visibility. 0-10 (746)	Cloud.				Barom. at M.S.L. mb. (750)	Change in 3 hours. (751)	Wind.		Weather.	Temp. °F. (754)	Humid. % (755)	Visibility. 0-10 (756)	Cloud.				Barom. at M.S.L. mb. (760)	Change in 3 hours. (761)	Wind.		Weather.	Temp. °F. (764)	Humid. % (765)	Visibility. 0-10 (766)	Cloud.				Barom. at M.S.L. mb. (770)	Change in 3 hours. (771)	Wind.		Weather.	Temp. °F. (774)	Humid. % (775)	Visibility. 0-10 (776)	Cloud.				Barom. at M.S.L. mb. (780)	Change in 3 hours. (781)	Wind.		Weather.	Temp. °F. (784)	Humid. % (785)	Visibility. 0-10 (786)	Cloud.				Barom. at M.S.L. mb. (790)	Change in 3 hours. (791)	Wind.		Weather.	Temp. °F. (794)	Humid. % (795)	Visibility. 0-10 (796)	Cloud.				Barom. at M.S.L. mb. (800)	Change in 3 hours. (801)	Wind.		Weather.	Temp. °F. (804)	Humid. % (805)	Visibility. 0-10 (806)	Cloud.				Barom. at M.S.L. mb. (810)	Change in 3 hours. (811)	Wind.		Weather.	Temp. °F. (814)	Humid. % (815)	Visibility. 0-10 (816)	Cloud.				Barom. at M.S.L. mb. (820)	Change in 3 hours. (821)	Wind.		Weather.	Temp. °F. (824)	Humid. % (825)	Visibility. 0-10 (826)	Cloud.				Barom. at M.S.L. mb. (830)	Change in 3 hours. (831)	Wind.		Weather.	Temp. °F. (834)	Humid. % (835)	Visibility. 0-10 (836)	Cloud.				Barom. at M.S.L. mb. (840)	Change in 3 hours. (841)	Wind.		Weather.	Temp. °F. (844)	Humid. % (845)	Visibility. 0-10 (846)	Cloud.				Barom. at M.S.L. mb. (850)	Change in 3 hours. (851)	Wind.		Weather.	Temp. °F. (854)	Humid. % (855)	Visibility. 0-10 (856)	Cloud.				Barom. at M.S.L. mb. (860)	Change in 3 hours. (861)	Wind.		Weather.	Temp. °F. (864)	Humid. % (865)	Visibility. 0-10 (866)	Cloud.				Barom. at M.S.L. mb. (870)	Change in 3 hours. (871)	Wind.		Weather.	Temp. °F. (874)	Humid. % (875)	Visibility. 0-10 (876)	Cloud.				Barom. at M.S.L. mb. (880)	Change in 3 hours. (
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AIR MINISTRY, METEOROLOGICAL OFFICE.

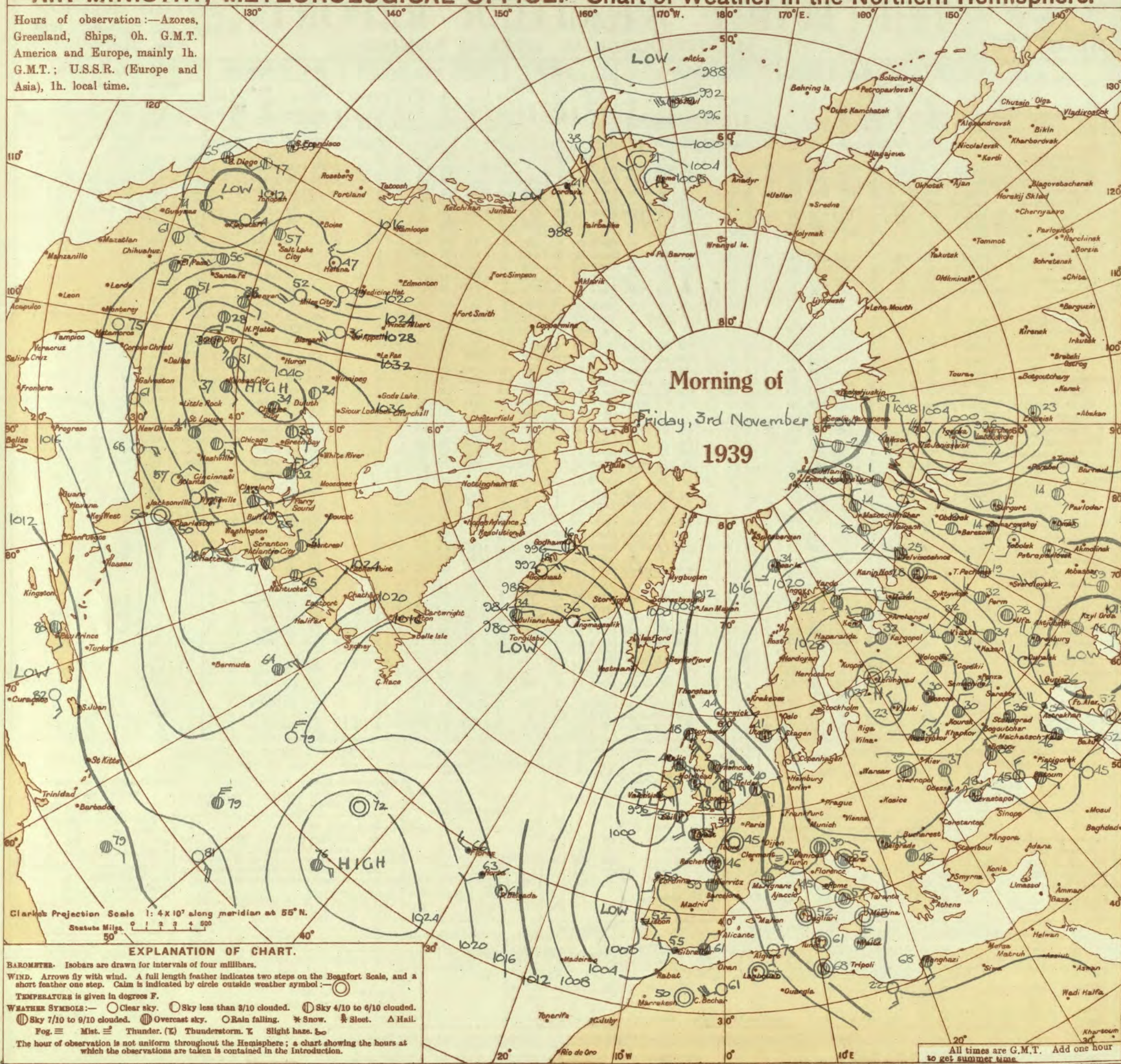
7h. Friday 3rd November 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd November, 1939.	BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.
1 S.E. England	Wind southeast, moderate, backing and freshening tomorrow; cloudy or dull; local rain at first; more general rain later; mainly mild.	GENERAL INFERENCE. Pressure continues high over Russia and the Baltic. A depression centred just off West Ireland will move north and be followed by further disturbances moving up from the south. Weather will be unsettled with rain in most districts, especially in the West. Conditions will be mainly mild.
2 E. England ...	Wind southeast, light to moderate, freshening tomorrow; cloudy; light local rain today; more general rain probable tomorrow; average temperature to rather mild.	
3 E. Midlands ...		
4 W. Midlands ...		
5 S.W. England	Wind south, fresh, decreasing, backing, increasing; showers and bright periods at first; becoming dull; rain at times; mild.	FURTHER OUTLOOK. Mild and unsettled.
6 South Wales ...		
7 North Wales ...		
8 N.W. England		
9 N. Midlands ...	Wind southeast, fresh, to strong at times on the coasts; cloudy or dull; occasional rain especially in West; becoming mild.	↓ South Cone hoisted 0700h.
10 N.E. England		
11 S.E. Scotland		
12 S.W. Scotland & Isle of Man.		
13 { A.W. Scotld. B.N.W. Scot- land.		Forecasts issued at 1100 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director. H.M.S.O. Press Cornwall House S.E.1. G. 471375W No. 8103. S. 4000 Gp. 948 00000. 10/39
14 Mid Scotland		
15 N. E. Scotland	Wind southeast, strong to gale on the coast; cloudy; occasional light rain; average temperature.	
16 Orkneys and Shetlands		
17 N. W. Ireland	As 7 - 14.	
18 N. E. Ireland		
19 S. E. Ireland	As 5 - 6.	
20 S. W. Ireland		

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Saturday 4th November 1939.
 No. 28471

OBSERVATIONS at 13h. G.M.T. 3rd November

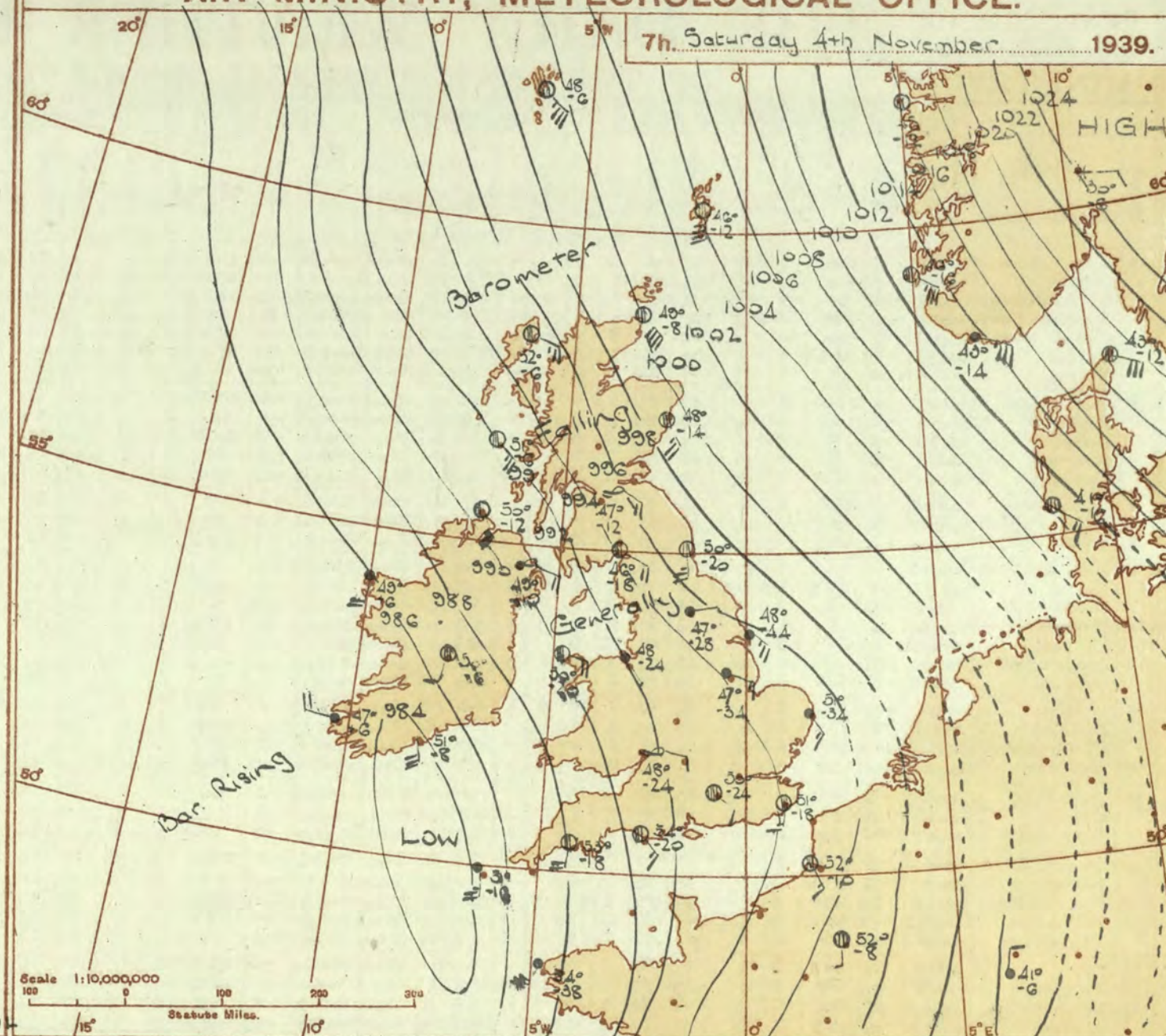
OBSERVATIONS at 18h. G.M.T. 3rd November

PAST 24 HOURS.

Dissect.		STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. mi. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. mi. (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	WEATHER.							
					Dir.	Force.					Low.	Med.	High	Low 0-10	Total 0-10			Height of Base. (feet) (14)	Dir.					Force.	Low.	Med.	High	Low 0-10			Total 0-10	Height of Base. (feet) (28)	State of Ground. 0-9	Sea. 0-9	7h.—13h. 3rd (37)	13h.—18h. 3rd (38)	18h.—3rd 4th (39)	1h.—7h. 4th (40)
1	London (Kew)...	1005.8	-1.4	SE	2	c/pr	53	82	6	5	-	5	1500	1004.3	-1.0	SE	3	2	50	85	6	5	7	-	4-6	9	2500	1	*	ofcprcm	cm	crsrtf	cmorrr					
	Croydon ...	1002.5	-1.0	SE	2	c	53	85	6	2	-	7-8	7-8	2500	1005.3	-1.0	SE	3	2	50	85	6	5	7	-	4-6	10	1500	1	*	befbcm	cm	cmorr	cmrrro				
	S. Farnborough	1005.5	-1.0	S	3	c/pr	53	85	7	7	2	4-6	7-8	1500	1002.3	-1.0	SE	4	3	50	82	6	5	7	-	4-6	10	1500	1	*	epgbc	cm	cmorr	cmrrro				
	Boscombe Down	1004.4	-1.4	SE	4	c	53	85	8	8	-	2	4-6	7-8	1500	1002.3	-1.0	SE	4	3	50	82	6	5	7	-	7-8	10	800	0	*	ortfngc	cm	cmorr	cmrrro			
	Calshot (Soton.)	1005.4	-1.0	SE	4	c	54	85	8	8	7	2	4-6	9	1500	1002.8	-1.4	SE	4	3	52	82	5	5	2	-	7-8	10	1500	1	3	cmgbc	cm	m,rr	cmrrro			
	Lymington	1005.5	-1.2	SE	3	c	53	82	6	5	-	10	10	2500	1006.3	-1.4	SE	3	2	48	82	6	5	-	-	10	10	800	1	3	m	cm	cmorr	cmrrro				
	Manston	1007.7	-1.0	S	3	c	52	85	6	5	-	10	10	1500	1005.8	-1.0	SE	3	2	49	82	6	5	-	-	10	10	800	0	3	bcmgcm	cm	cmorr	cmrrro				
2	Shoeburyness ...	1007.2	-1.8	SE	3	c	52	82	6	5	-	10	10	2500	1006.2	-1.8	SE	2	2	49	87	7	-	7	-	6	9	-	1	*	bcmgcm	cm	cir	cmrrro				
	Felixstowe	1007.3	-1.0	SE	2	c	54	85	6	5	1	2-3	4-6	2500	1006.3	-1.8	SE	4	2	49	82	6	5	-	-	9	9	2500	1	2	cmgbc	cm	cmorr	cmrrro				
	Gorleston	1008.6	-1.0	SE	3	c	51	85	6	5	-	9	9	2500	1006.3	-1.8	SE	3	2	50	82	6	5	-	-	10	10	2500	1	2	cmgbc	cm	cmorr	cmrrro				
	Mildenhall	1006.3	-1.0	SE	3	c	54	85	7	5	-	9	9	2500	1005.3	-1.8	SE	3	2	50	82	6	5	-	-	10	10	1500	1	*	cmgbc	cm	cmorr	cmrrro				
	Cranwell	1006.1	-1.4	SE	3	c	48	82	5	5	-	10	10	800	1004.6	-1.8	SE	3	2	48	87	4	5	7	-	2-3	2-3	800	1	*	irgcmgcm	cm	cmorr	cmrrro				
3	Birmingham	1004.8	-1.8	SE	3	c	50	82	6	5	7	-	8	9	1500	1003.2	-1.4	SE	2	2	50	82	4	6	-	-	7-8	7-8	800	1	*	goc	cm	cmorr	cmrrro			
	Upper Heyford	1006.1	-1.8	SE	1	c	53	82	6	5	3	-	9	9	800	1004.2	-1.8	SE	1	2	49	87	4	7	-	-	2-3	7-8	1500	1	*	cmgbc	cm	cmorr	cmrrro			
4	Ross-on-Wye	1003.4	-1.4	SE	1	c	54	85	7	3	1	3	4-6	9	1500	1001.9	-1.4	SE	2	2	51	85	7	8	-	-	2-3	4-6	2500	1	*	bce	cm	cmorr	cmrrro			
5	Hartland Point	1000.8	-1.2	S	3	c	55	85	8	8	6	8	4-6	9	2500	998.6	-1.8	E	3	51	82	8	8	2	-	7-8	9	1500	1	2	cbcg	cm	cmorr	cmrrro				
	Bristol ...	1003.6	-1.4	SE	3	c	56	75	8	8	7	8	4-6	4-6	1500	1001.9	-1.8	SE	3	51	85	7	5	7	-	7-8	9	1500	1	*	bcmgcm	cm	cmorr	cmrrro				
	Portland Bill	1004.5	-1.8	S	3	c	54	82	8	3	-	10	10	4000	1001.0	-1.0	E	4	54	82	8	5	-	-	7-8	7-8	4000	1	4	bce	cm	cmorr	cmrrro					
	Plymouth	1002.8	-1.8	S	4	c	55	85	8	3	3	3	7-8	9	1500	999.6	-1.4	SE	3	53	82	7	3	6	-	7-8	9	1500	1	2	cbcg	cm	cmorr	cmrrro				
	The Lizard	1001.6	-1.0	SW	5	c	51	87	8	5	-	10	10	1500	998.4	-1.0	SE	4	53	82	8	8	2	-	7-8	9	1500	1	3	cbcg	cm	cmorr	cmrrro					
	Soilly (St. Mary's)	998.5	-1.2	S	4	c	55	85	8	8	7	3	2-3	4-6	1500	997.4	-1.8	SW	4	52	82	8	8	6	-	7-8	9	1500	1	3	bcebc	cm	cmorr	cmrrro				
	Guernsey	1003.3	-1.0	SE	2	c	53	85	9	4	7	-	4-6	7-8	2500	1000.5	-1.4	SE	3	53	85	7	4	1	-	7-8	9	2500	1	3	c	cm	cmorr	cmrrro				
6	Pembroke	1000.1	-1.0	SW	6	c	55	85	7	8	6	-	4-6	7-8	1500	998.5	-1.4	SE	5	54	85	8	8	7	-	7-8	9	2500	1	3	cirg	cm	cmorr	cmrrro				
7	Holyhead	999.4	-1.0	SE	3	c	56	75	8	8	-	1	7-8	7-8	2500	998.2	-1.8	SE	4	54	75	7	5	-	-	9	9	4000	1	2	bce	cm	cmorr	cmrrro				
	Chester (Sealand)	1002.7	-2.0	SE	4	c	54	85	6	8	7	9	4-6	4-6	1500	1001.4	-1.8	SE	3	50	85	6	5	2	-	7-8	9	1500	1	*	cmgbc	cm	cmorr	cmrrro				
8	Manchester	1004.2	-1.4	SE	3	c	51	85	6	3	3	-	7-8	9	1500	1002.4	-1.0	SE	3	50	85	4	5	4	-	4-6	4-6	2500	1	*	cmgbc	cm	cmorr	cmrrro				
10	Spurn Head	1006.3	-1.0	SE	4	c	49	85	6	5	-	10	10	1500	1005.4	-1.2	SE	4	49	82	5	5	-	-	9	9	800	0	3	cmgbc	cm	cmorr	cmrrro					
	Catterick	1005.4	-1.0	SE	2	c	48	87	5	5	2	-	7-8	10	800	1003.9	-1.8	SE	2	48	87	5	5	-	-	10	10	450	1	3	cmgbc	cm	cmorr	cmrrro				
	Tynemouth	1003.7	-1.0	SE	4	c	49	85	6	6	-	10	10	1500	1003.0	-1.4	SE	5	50	85	6	5	-	-	10	10	1500	1	3	cmgbc	cm	cmorr	cmrrro					
11	St. Abbs Head	1005.0	-1.0	SE	6	c	48	87	7	9	2	-	7-8	10	800	1003.2	-1.8	SE	6	48	82	7	3	8	-	7-8	10	1500	1	4	cmgbc	cm	cmorr	cmrrro				
	Leuchars	1005.1	-1.4	SE	3	c	49	85	6	6	-	10	10	800	1003.1	-1.0	SE	5	49	85	6	6	2	-	9	10	450	1	*	cmgbc	cm	cmorr	cmrrro					
12	Renfrew (Abbots L.)	1002.6	-2.0	SE	4	c	51	85	6	5	7	-	9	10	2500	1000.8	-1.0	SE	4	48	85	8	5	4	-	7-8	7-8	2500	1	*	cmgbc	cm	cmorr	cmrrro				
	Eskdalemuir	1003.2	-1.8	SE	6	c	48	85	6	6	-	10	10	800	1001.9	-1.4	SE	4	48	85	5	5	2	-	9	9	800	1	*	cmgbc	cm	cmorr	cmrrro					
	Point of Ayre	1000.6	-1.2	SE	6	c	52	82	6	3	3	3	4-6	9	1500	998.4	-1.4	SE	6	52	82	6	5	2	-	4-6	10	1500	1	4	c	cm	cmorr	cmrrro				
13a	Tiree	997.5	-2.0	SE	5	c	50	85	7	5	-	9	9	1500	994.2	-1.0	SE	5	49	85	7	6	-	-	7-8	7-8	1500	1	5	c	cm	cmorr	cmrrro					
13b	Stornoway	1001.9	-2.0	SE	5	c	52	75	7	5	7	4	4-6	9	2500	999.1	-1.2	SE	6	51	75	7	5	7	-	4-6	7-8	2500	1	3	cir	cm	cmorr	cmrrro				
15	Dalwhinnie	1004.0	-3.2	SE	6	c	45	85	5	6	2	-	7-8	10	2500	1001.5	-1.8	SE	6	45	82	5	6	-	-	10	10	1500	1	*	cir	cm	cmorr	cmrrro				
	Aberdeen	1007.0	-1.0	SE	5	c	48	85	6	6	2	-	9	10	800	1005.6	-1.0	SE	6	48	82	6	6	2	-	9	10	800	1	4	cirg	cm	cmorr	cmrrro				
	Wick	1005.9	-1.4	SE	7	c/pr	49	85	6	5	2	-	7-8	10	800	1004.3	-1.8	SE	8	49	85	6	5	2	-	7-8	10	800	1	4	cmgbc	cm	cmorr	cmrrro				
16	Lerwick	1011.3	-1.8	SE	8	c	45	85	7	8	2	-	7-8	10	800	1009.9	-1.8	SE	7	45	75	7	8	2	-	7-8	10	800	1	*	cmgbc	cm	cmorr	cmrrro				
17	Blacksod Point	990.8	-2.2	SE	3	c	53	85	8	9	-	9	9	450	990.2	-1.2	S	3	53	75	8	9	-	-	7-8	7-8	800	1	4	prc	cm	cmorr	cmrrro					
1																																						

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 4th November 1939.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th November, 1939.

1 S.E. England	Wind southeast, moderate or fresh, veering south to southwest later; cloudy, occasional rain; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind southeast, moderate, fresh locally, veering southwest to west; dull, rain at first; bright periods with some showers spreading from the west; mild then cooler.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind southeast to east, moderate to fresh locally; dull, rain at times; 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.	Wind southeast, fresh to strong, gale on the north and east coast; dull; occasional rain; coast mist or fog; rather mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 19 - 20.
18 N. E. Ireland	As 7 - 13A.
19 S. E. Ireland	Wind becoming westerly, moderate, fresh locally; some rain early, then bright periods and showers; temperature falling.
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 covers the Eastern Atlantic and France. A depression centred between Southwest Ireland and the Scilly Isles will move east-south-east and then east. Weather will be very unsettled and mild with considerable rain in the southwestern half of the British Isles. The southeast gale will continue on the northeastern seaboard and in the North Sea.

FURTHER OUTLOOK.

Unsettled; bright periods in the Southern half of the country.

South Cone hoisted 7h. 3.11.39
" " " 14.30h. 3.11.39.

Forecasts issued at 0930 G.M.T.

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

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

© 474378W 4th 11.39 2 11.39 3 11.39 4 11.39 5 11.39 6 11.39 7 11.39 8 11.39 9 11.39 10 11.39

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

Saturday 4th November
1939

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Scale in Miles 0 100 200 300

EXPLANATION OF CHART.

BAROMETER. 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.

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. ⚡ Hail.

☁ 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.

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

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 4th November 1939
No. 28471.....

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.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	0-9 Visibility. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	0-9 Visibility. (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine 3rd Hrs. (36)		
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Direc. (17)	Force. (18)			Form. (23)	Amount (24)					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)			Day 7h-18h mm. (34)	Night 18h-7h mm. (35)						
																																Low. (11)	Med. (12)	High (13)		Low (25)	Med. (26)
1	London (Kew) ...	18	999.0	-4.0	ESE	2	*	97	5	-	2	*	10	10	4000	992.6	-2.6	ESE	2	ir	50	92	4	5	-	10	10	1500	1	*	55	48	47	1	5	0.6	
	Croydon ...	217	999.0	-4.0	ESE	2	*	97	5	-	2	*	10	10	4500	993.7	-2.4	SE	2	c/r	50	97	5	-	2	-	10	10	800	1	*	56	46	46	Tr	5	2.4
	S. Farnborough ...	226	997.5	-4.2	ENE	2	*	97	5	6	-	-	10	10	450	991.9	-2.2	ESE	6	c/r	50	97	5	-	2	-	10	10	450	1	*	56	47	46	0.1	9	0.8
	Boscombe Down ...	417	996.3	-3.4	ESE	3	*	97	5	6	2	-	7-8	10	800	991.2	-1.8	SSE	2	zo	50	97	6	5	2	-	10	10	450	1	*	58	46	44	1	3	0.4
	Calshot (St. Mary's) ...	8	996.0	-4.2	E	4	*	97	5	-	-	-	9	10	800	991.9	-1.2	SE	3	zo	51	97	6	5	2	-	4-6	9	2500	1	2	55	49	48	-	6	3.2
	Lympe ...	346	999.5	-4.2	ESE	4	*	97	5	6	-	-	10	10	220	994.5	-1.8	S	3	c/r	51	97	4	6	-	10	10	2150	1	3	51	46	46	-	5	0.0	
	Manston ...	154	999.0	-4.2	ESE	4	*	97	5	-	-	-	10	10	800	994.2	-1.8	SSE	3	c/r	51	97	4	5	-	10	10	450	1	*	53	48	47	-	3	1.6	
2	Shoeburyness ...	11	*	-4.4	ESE	3	*	97	5	5	-	-	9+	10	1500	994.4	-2.0	SE	3	c/r	49	97	4	6	2	-	10	10	800	1	*	53	46	44	-	4	1.5
	Felixstowe ...	15	1000.2	-3.6	ESE	3	*	97	5	5	-	-	10	10	2500	994.0	-2.8	SSE	3	c/r	50	97	5	6	2	-	10	10	450	1	3	55	49	46	Tr	4	1.5
	Gorleston ...	5	1001.9	-3.6	ESE	3	*	97	5	6	2	-	7-8	10	800	994.9	-3.4	SE	5	Tr	51	97	5	6	-	10	10	1500	1	*	51	49	48	Tr	4	1.1	
	Mildenhall ...	19	999.5	-4.0	E	3	*	97	5	6	2	-	7-8	10	800	993.4	-2.6	ESE	3	Tr	49	97	6	-	2	-	10	10	1500	1	*	53	48	45	-	4	0.0
	Cranwell ...	240	1000.6	-3.0	ESE	2	*	97	5	-	-	-	10	10	450	993.3	-3.4	ESE	3	c/r	47	97	4	5	-	10	10	220	1	*	50	46	46	0.1	7	0.0	
3	Birmingham ...	535	*	-3.0	SSE	2	*	97	5	5	2	-	7-8	10	800	992.6	-2.6	ESE	1	m/d	48	97	4	2	-	10	10	450	1	*	55	45	50	0.3	5	*	
	Upper Heyford ...	408	999.1	-3.0	SSE	2	*	97	5	5	2	-	7-8	10	800	991.1	-2.4	ESE	2	zo	48	97	6	6	-	10	10	800	1	*	55	46	43	2	4	1.2	
4	Ross-on-Wye ...	223	*	-3.0	SSE	2	*	97	5	5	2	-	7-8	10	800	991.1	-2.4	ESE	2	zo	48	97	6	6	-	10	10	800	1	*	55	46	43	2	4	1.2	
5	Hartland Point ...	299	992.0	-3.6	ESE	3	*	97	5	5	2	-	7-8	10	1500	992.7	-2.0	SSE	3	c	50	92	8	5	4	3	9-6	7-8	2500	1	2	57	48	46	2	1	0.6
	Bristol ...	209	996.2	-3.2	SE	3	*	97	5	5	2	-	9	10	800	990.9	-2.2	SE	2	zo	49	97	6	8	-	9	9	1500	1	*	57	48	45	Tr	2	0.8	
	Portland Bill ...	32	994.9	-3.2	SE	4	*	97	5	5	-	-	9+	9+	2500	991.4	-2.0	SE	3	c	54	85	7	5	4	-	7-8	9	2500	1	3	55	51	*	-	3	*
	Plymouth ...	82	993.3	-3.0	S	4	*	97	5	5	-	-	9+	9+	2500	989.1	-1.8	S/W	4	c	53	85	8	2	7	-	7-8	9	1500	1	3	56	52	49	Tr	8	1.2
	The Lizard ...	240	992.5	-2.4	SE	5	*	97	5	5	-	-	7-8	7-8	2500	986.9	-3.0	SSE	5	Tr	52	97	7	5	-	10	10	1500	1	3	55	50	*	3	5	0.6	
	Scilly (St. Mary's) ...	163	990.6	-2.8	SSE	5	*	97	5	5	-	-	4-6	9+	1500	985.0	-1.6	SSE	5	ir	51	97	7	6	2	-	7-8	10	1500	1	3	56	50	*	0.5	1	5.1
	Guernsey ...	175	994.4	-3.0	SSE	2	*	97	5	5	-	-	10	10	2500	985.0	-1.6	SSE	5	ir	51	97	7	6	2	-	7-8	10	1500	1	3	56	50	*	Tr	1	5.1
6	Pembroke ...	142	991.8	-2.4	SSE	6	*	97	5	5	2	-	7-8	10	4000	991.8	-2.4	SSE	6	c	50	97	8	5	-	9+	9+	2500	1	2	57	49	46	Tr	-	3.2	
7	Holyhead ...	26	994.4	-2.6	SE	5	*	97	5	5	-	-	9+	9+	2500	989.6	-2.0	ESE	4	c	48	92	5	5	-	10	10	2500	1	2	57	48	43	Tr	1	0.1	
	Chester (Sealand) ...	16	997.7	-2.6	SE/E	3	*	97	5	5	-	-	10	10	1500	992.3	-2.4	SE/E	4	c/r	49	92	5	5	7	-	7-8	9+	1500	1	*	52	46	40	0.3	0.2	0.0
8	Manchester ...	70	998.4	-3.0	ESE	4	*	97	5	5	3	-	2-3	2-3	4000	992.8	-3.4	ESE	4	c/r	49	85	5	5	-	7-8	9+	1500	1	*	52	46	40	0.1	0.2	0.0	
10	Spurn Head ...	29	1001.7	-2.4	SE	4	*	97	5	5	2	-	7-8	10	1500	994.3	-4.4	SE/E	5	RR	48	97	5	5	-	10	10	800	2	3	50	47	*	-	5	0.4	
	Catterick ...	175	1001.2	-1.8	SE	3	*	97	5	5	-	-	10	10	450	995.5	-2.8	ESE	1	c/r	47	97	5	6	-	10	10	800	1	*	48	46	45	1	1	0.0	
	Tynemouth ...	108	1002.4	-1.6	SSE	5	*	97	5	5	-	-	10	10	1500	998.1	-2.0	SSE	5	c/r	50	92	6	6	-	10	10	1500	1	3	50	49	47	0.4	1	0.0	
11	St. Abbs Head ...	280	999.7	-2.0	SSE	6	*	97	5	5	2	-	7-8	10	1500	997.8	-1.4	SE/E	4	c	49	92	7	5	1	-	9+	800	1	*	50	45	45	10	Tr	0.0	
	Leuchars ...	36	1000.5	-1.4	SE	6	*	97	5	5	2	-	9+	9+	1500	997.8	-1.4	SE/E	4	c	47	85	5	5	3	-	Tr	2-3	4000	1	*	51	47	41	0.2	1	0.0
12	Kenfrew (Abbots I.) ...	19	998.4	-1.4	ESE	3	*	97	5	5	2	-	9	10	4000	995.8	-1.2	SE/E	4	c	46	85	6	5	2	-	9	10	800	1	*	47	44	41	1	-	0.0
	Eskdalemuir ...	794	996.4	-1.2	SSE	6	*	97	5	5	2	-	7-8	10	1500	995.3	-1.8	ESE	4	c	46	85	6	5	2	-	4-6	10	1500	1	3	54	49	*	1	1	0.4
	Point of Ayre ...	30	996.4	-1.2	SSE	6	*	97	5	5	2	-	7-8	10	1500	992.4	-1.8	SE	5	c	49	92	7	5	7	-	4-6	10	1500	1	3	54	49	*	1	1	0.4
13A	Tiree ...	22	*	-1.2	SE	6	*	97	5	5	2	-	7-8	7-8	2500	991.3	-6	SE/E	5	c	51	85	7	8	7	-	4-6	7-8	1500	0	5	50	49	47	4	1	0.0
13B	Stornoway ...	80	996.4	-1.2	SE	6	*	97	5	5	2	-	7-8	7-8	2500	995.6	-6	ESE	5	c	52	75	6	5	7	-	7-8	9	2500	1	3	53	51	*	0.2	Tr	0.9
15	Dalwhinnie ...	1176	*	-1.2	SE	8	*	97	5	5	2	-	7-8	10	800	1000.1	-1.4	SE	5	c	48	85	6	6	2	-	9	10	800	1	3	49	47	45	6	1	0.0
	Aberdeen ...	79	1002.9	-6	SE	8	*	97	5	5	2	-	7-8	10	800	1000.1	-8	SE	8	c/r	49	85	6	5	2	-	7-8	10	800	1	4	52	48	*	0.2	1	0.0
	Wick ...	81	1007.0	-12	S	8	*	97	5	5	2	-	7-8	10	800	1005.1	-12	SSE	8	c/r	46	85	7	8	7	-	7-8	10	800	1	*	47	44	*	0.4	Tr	0.0
16	Lerwick ...	156	996.5	-1.6	S	5	*	97	5	5	2	-	9	9	2500	985.6	+6	S	4	c/r	49	92	8	6	-	10	10	800	1	3	55	48	*	1	0.6	2.0	
17	Blacksod Point ...	18	991.8	-1.6	S	4	*	97	5	5	2	-	4-6	7-8	4000	988.6	-1.2	SE	5	c	50	85	7	8	-	4-6	7-8	4000	0	3	55	47	*	0.2	-	2.0	
18	Malin Head ...	84	992.7	-2.0	SE	4	*	97	5	5	2	-	4-6	7-8	1500	990.1	-1.0	ESE	4	zo	49	85	6	5	-	10	10	1500	1	*	54	48	42	5	0.1	1.1	
	Aldergrove ...	268	992.7	-2.0	SE	4	*	97	5	5	2	-	4-6	7-8	1500	990.1	-1.0	ESE	4	zo	49	85	6	5	-	10	10	1500	1	*	54	48	42	5	0.1	1.1	
19	Birr Castle ...	173	989.2	-2.2	SSW	5	*	97	5	5	2	-	2-3	4-6	1500	986.2	-6	SSW	2	c	50	85	8	5	-	9	9	2500	1	*	54	49	48	4	0.4	1.6	
20	Valentia Obay. ...	30	983.2	-2.0	SE/S	6	*	97	5	5	2	-	2-3	10	1500	995.1	+6	W/W	4	RR	47	97	6	6	-	10	10	1500	1	3	56	48	46	0.1	25	1.2	
	Roche's Point ...	22	986.6	-3.4	S/E	7	*	97	5	5	2	-	7-8	9+	1500	983.4	-8	S/E	6	rr	51																

[illegible]

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungeness.

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

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

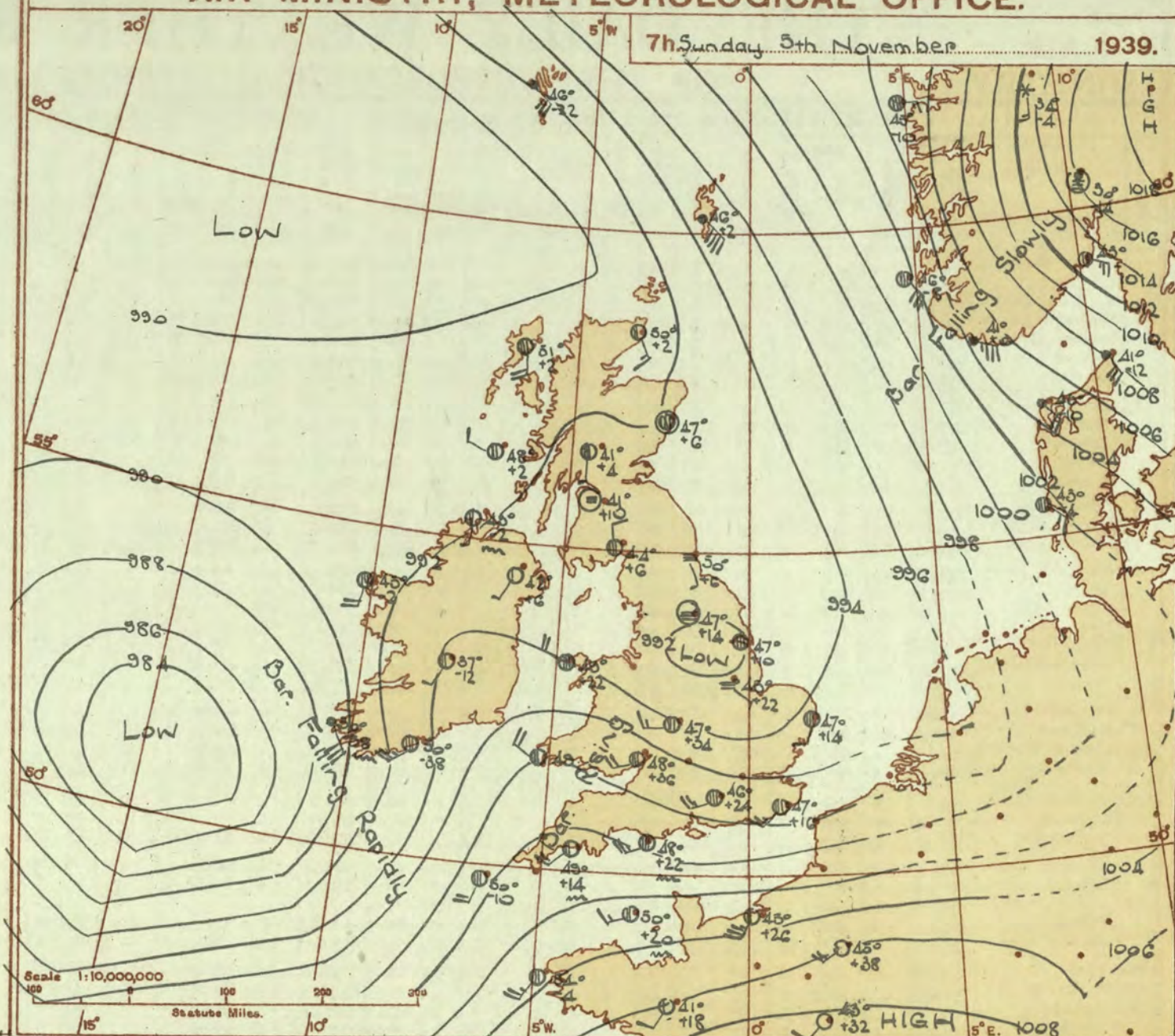
Sunday 5th November, 1939.

No. 28,472.

OBSERVATIONS at 13h. G.M.T. 4th November														OBSERVATIONS at 18h. G.M.T. 4th November														PAST 24 HOURS.							
DISTANCE.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Dir.	Force. 0-12 (4)					Form.	Amount. 0-10 (10)	Height of Base. (feet) (14)	Form.	Amount. 0-10 (24)			Height of Base. (feet) (28)	7h.—13h.4th					13h.—18h.4th	18h.—4th 1h.—5th	4th—7h.5th										
																										Low.	Med.			High	Low	Total 0-10 (13)	Low	Total 0-10 (26)	Low
1	London (Kew)...	991.7	-6	SE'S	3	20	55	85	6	8	7	-	7-8	9+	7200	990.6	-4	SE'S	3	bc/pr	52	92	5	5	-	-	4-6	4-6	2500	1	*	crim	cz pscm	bcd bcm	bcm csc
	Croydon ...	992.2	-4	SSE	3	20	55	85	6	9	3	-	4-6	7-8	2500	991.2	-10	SSE	3	bc/pr	52	92	6	3	3	1	2-3	2500	1	*	crim	bccp	bccp	cmo qro	
	S. Farnborough	991.1	-10	S	3	20	54	85	7	9	7	9	4-6	7-8	800	989.9	-2	S	3	bc/pr	51	89	6	3	3	4	4-6	4-6	1500	1	*	cmidobc	ccg r	cidom	ro
	Boscombe Down	989.7	-4	SE'S	4	20	54	75	8	8	1	1	4-6	7-8	2500	987.8	-10	SW	3	c/r	49	92	6	6	2	-	9	10	800	1	*	crim	bcdm	cmg dcm	cmo r dsc
	Calshot (Soton.)	990.7	-10	SSE	3	bc	55	75	8	8	3	-	2-3	4-6	2500	988.4	+2	SW	3	bc	52	85	7	3	4	-	4-6	4-6	1800	1	2	crim	ccg	cbcc	cbcc
	Lymington	991.2	-2	S	3	20	54	92	7	8	6	-	7-8	9+	1500	989.3	-2	S	4	bc	53	83	6	3	-	-	10	10	2500	1	3	cmo	ccg	ccm	cmo
	Manston	993.5	-2	SE	3	16	53	92	6	6	-	-	10	10	800	993.1	+2	SE	4	o/pr	53	92	6	6	-	-	10	10	800	1	*	cmidobc	ccg	ccm	ccm
2	Shoeburyness ...	993.3	-6	SE	3	20	55	85	7	8	7	3	7-8	9+	1500	992.8	-4	SSE	4	o/pr	51	92	8	8	7	-	7-8	9+	1500	1	*	ro	ccp	ccr	ccr
	Felixstowe ...	992.9	-6	SE'S	3	20	52	97	6	5	7	-	2-3	9+	1500	992.8	+2	SSE	4	o/pr	51	92	6	8	4	1	1	2-3	2500	1	3	ro	ccp	ccr	ccr
	Gorleston ...	993.5	-4	SE'S	4	20	51	92	6	5	-	-	10	10	1500	993.3	0	SSE	4	o/pr	51	97	6	5	-	-	4-6	4-6	1500	1	3	ro	ccp	ccr	ccr
	Mildenhall ...	991.8	-4	SE	4	20	57	85	6	8	7	-	0	1	1500	991.7	0	SE	3	o/pr	50	97	6	4	-	2	2-3	7-8	4000	1	*	crim	ccg	ccr	ccr
	Cranwell ...	991.4	-8	SSE	2	20	50	97	5	5	-	-	10	10	450	990.8	-2	SE	2	bc/pr	47	97	2	-	7	1	0	4-6	-	1	*	ro	ccp	ccr	ccr
3	Birmingham	989.6	-10	SE	2	20	53	92	6	5	7	-	7-8	9+	1500	989.0	-6	ESE	3	o/pr	51	85	5	6	-	-	10	10	800	1	*	ro	ccp	ccr	ccr
4	Upper Heyford	991.1	-8	SE'S	2	20	53	85	8	3	-	-	9	9	800	989.2	-8	ESE	3	o/pr	49	92	7	3	3	-	7-8	9+	800	1	*	ro	ccp	ccr	ccr
	Ross-on-Wye ...	988.6	-14	SE	3	20	55	85	8	3	-	2	4-6	9	2500	986.9	-12	SE	2	o/pr	50	92	6	5	-	-	10	10	1500	1	*	ro	ccp	ccr	ccr
5	Hartland Point	986.1	-10	SW	2	20	51	92	8	5	2	-	7-8	10	1500	986.0	+10	NW	4	o/pr	50	92	8	8	6	-	7-8	9	1500	1	3	cr	ccp	ccr	ccr
	Bristol ...	988.9	-12	SE'S	3	20	57	65	8	8	7	8	2-3	7-8	2500	986.1	-14	SE	3	o/pr	50	92	6	5	2	-	9	10	1500	1	4	cr	ccp	ccr	ccr
	Portland Bill ...	989.2	-14	SSE	4	20	54	85	7	5	-	-	10	10	2500	987.2	-18	W	4	o/pr	53	85	6	5	-	-	7-8	7-8	4000	1	4	cr	ccp	ccr	ccr
	Plymouth ...	986.3	-16	S	5	20	53	92	6	9	2	-	9	10	800	982.3	+30	WNW	6	o/pr	51	85	6	9	-	-	7-8	7-8	1500	1	4	cr	ccp	ccr	ccr
	The Lizard ...	986.8	-14	W	5	20	52	92	8	8	1	-	9	10	1500	982.7	+30	W	7	o/pr	49	85	6	8	2	-	9	10	1500	1	4	cr	ccp	ccr	ccr
	Scilly (St. Mary's)	987.2	+14	WN	5	20	53	92	8	8	4	3	4-6	4-6	1500	982.5	+32	WNW	7	bc	52	85	7	8	6	-	2-3	4-6	1500	1	4	cr	ccp	ccr	ccr
	Guernsey ...	988.4	-14	SW	4	20	52	83	7	4	2	-	7-8	9+	1500	991.9	+22	W	7	bc	50	97	8	8	-	-	9	9+	1500	2	3	cr	ccp	ccr	ccr
6	Pembroke ...	985.6	-18	SE	5	16	52	92	7	8	7	-	4-6	7-8	1500	987.5	+4	WNW	4	o/pr	51	92	7	8	2	-	7-8	10	1500	1	3	rr	ccp	ccr	ccr
7	Holyhead ...	987.3	-12	SE	3	20	54	75	8	8	5	8	1	3+	2500	986.2	+4	ENE	4	o/pr	51	85	7	5	2	-	9	10	1500	1	2	rr	ccp	ccr	ccr
8	Chester (Sealand)	989.8	-8	SE'S	2	20	52	85	5	8	-	-	9+	9+	1500	988.2	-2	ENE	3	o/pr	51	65	5	3	7	1	4-6	7-8	1500	1	*	cr	ccp	ccr	ccr
	Manchester ...	990.3	-6	SSE	3	20	52	85	6	5	-	-	9+	9+	1500	988.9	-4	ENE	3	o/pr	50	97	6	5	-	-	10	10	1500	1	*	cr	ccp	ccr	ccr
10	Spurn Head ...	991.7	-6	SSE	2	16	49	97	4	5	-	-	10	10	800	991.0	-2	SE'S	4	o/pr	49	97	6	5	2	-	7-8	10	1300	1	3	rr	ccp	ccr	ccr
	Catterick ...	991.4	+18	SSE	2	20	49	97	6	5	-	-	10	10	800	990.8	+2	-	0	49	97	4	5	-	-	10	10	450	1	3	rr	ccp	ccr	ccr	
	Tynemouth ...	991.4	-24	SE	4	20	50	97	6	6	-	-	10	10	1500	991.3	+8	SSE	2	o/pr	50	97	5	5	-	-	10	10	1500	1	2	rr	ccp	ccr	ccr
11	St. Abbs Head	990.6	-10	SE	6	20	48	97	6	9	2	-	9	10	800	990.3	+12	SSE	3	o/pr	49	97	4	6	2	-	9	10	800	1	3	rr	ccp	ccr	ccr
	Leuchars ...	992.4	-32	E	4	20	48	97	6	9	-	-	10	10	800	990.1	-4	ESE	3	o/pr	50	97	6	5	2	-	9	10	800	1	*	cr	ccp	ccr	ccr
12	Renfrow (Abbots I.)	991.9	-22	ENE	3	16	50	85	5	5	7	-	9	9+	1500	989.9	+8	-	0	49	92	7	5	-	-	10	10	800	1	*	cr	ccp	ccr	ccr	
	Esksdalemuir ...	990.1	-28	ENE	2	20	46	92	7	5	-	-	10	10	800	989.3	+8	-	0	49	92	7	5	-	-	10	10	800	1	*	cr	ccp	ccr	ccr	
	Point of Ayre ...	989.3	-12	SE'S	4	20	51	92	7	5	1	-	7-8	10	1500	988.4	+4	SE	3	o/pr	51	92	6	5	-	-	10	10	1500	0	2	cr	ccp	ccr	ccr
13A	Tiree ...	989.7	-12	N'E	4	20	51	75	7	5	-	-	9+	9+	1500	988.9	0	ESE	2	o/pr	49	85	7	5	-	-	9	9	1500	0	3	cr	ccp	ccr	ccr
13B	Stornoway ...	993.7	-14	ESE	5	20	53	75	8	5	8	2	3	10	4000	991.7	-8	ESE	6	o/pr	49	85	6	5	2	-	4-6	10	1500	1	3	cr	ccp	ccr	ccr
15	Dalwhinnie ...	993.9	-24	SE	2	16	45	85	6	6	2	-	7-8	10	1500	991.0	-10	SE	3	o/pr	45	92	6	6	2	-	7-8	10	1500	1	*	cr	ccp	ccr	ccr
	Aberdeen ...	995.3	-30	E'S	6	20	47	92	6	6	-	-	10	10	800	991.7	-18	ESE	3	o/pr	48	97	6	6	-	-	10	10	800	1	4	cr	ccp	ccr	ccr
	Wick ...	997.4	-18	SE	7	20	49	97	6	5	2	-	7-8	10	800	994.0	-14	ESE	7	o/pr	48	97	6	5	2	-	7-8	10	800	1	4	cr	ccp	ccr	ccr
16	Lerwick...	1003.3	-12	SE'S	8	16	47	92	6	6	2	-	4-6	10	800	1000.7	-8	SE'S	8	o/pr	47	92	6	8	2	-	7-8	10	800	1	*	cr	ccp	ccr	ccr
17	Blacksod Point...	988.6	+																																

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday 5th November 1939.



DISTRICTS.

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

1 S.E. England	Wind south-southeast, increasing strong to gale, veering southwest later; fair early, then rain, considerable bright periods tomorrow; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Southeast gale, veering west, severe locally; dull; rain, then bright periods and showers; rather mild.
7 North Wales	
8 N.W. England	
9 N. Midlands ...	Wind increasing from southeast, strong, finally southwest, gale locally; cloudy, a period of rain tonight, brighter intervals tomorrow; rather mild.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Wind mainly east to southeast, slowly freshening, finally southerly; fair today, then dull, rainy, some coast fog; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind southeast, gale at times; cloudy; occasional rain, average temperature.
17 N.W. Ireland	
18 N. E. Ireland	Wind southeast to east, increasing strong, perhaps gale on coast; becoming dull, rainy, bright periods later; rather mild.
19 S. E. Ireland	
20 S. W. Ireland	

As 5 - 6.

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 disturbance just off Southwest Ireland will move quickly east and then northeast across the British Isles with unsettled stormy weather in nearly all districts.

FURTHER OUTLOOK.

Gale moderating in the South; considerable fine periods.

Times of issue of Gale Warnings.

South cone hoisted at 0700 on 3/11/39 in district 16. South Cone hoisted at 0630 on 5/11/39 in districts 17 and 20. South cone hoisted at 0755 on 5/11/39 in districts 1, 2, 5, 6, 7.

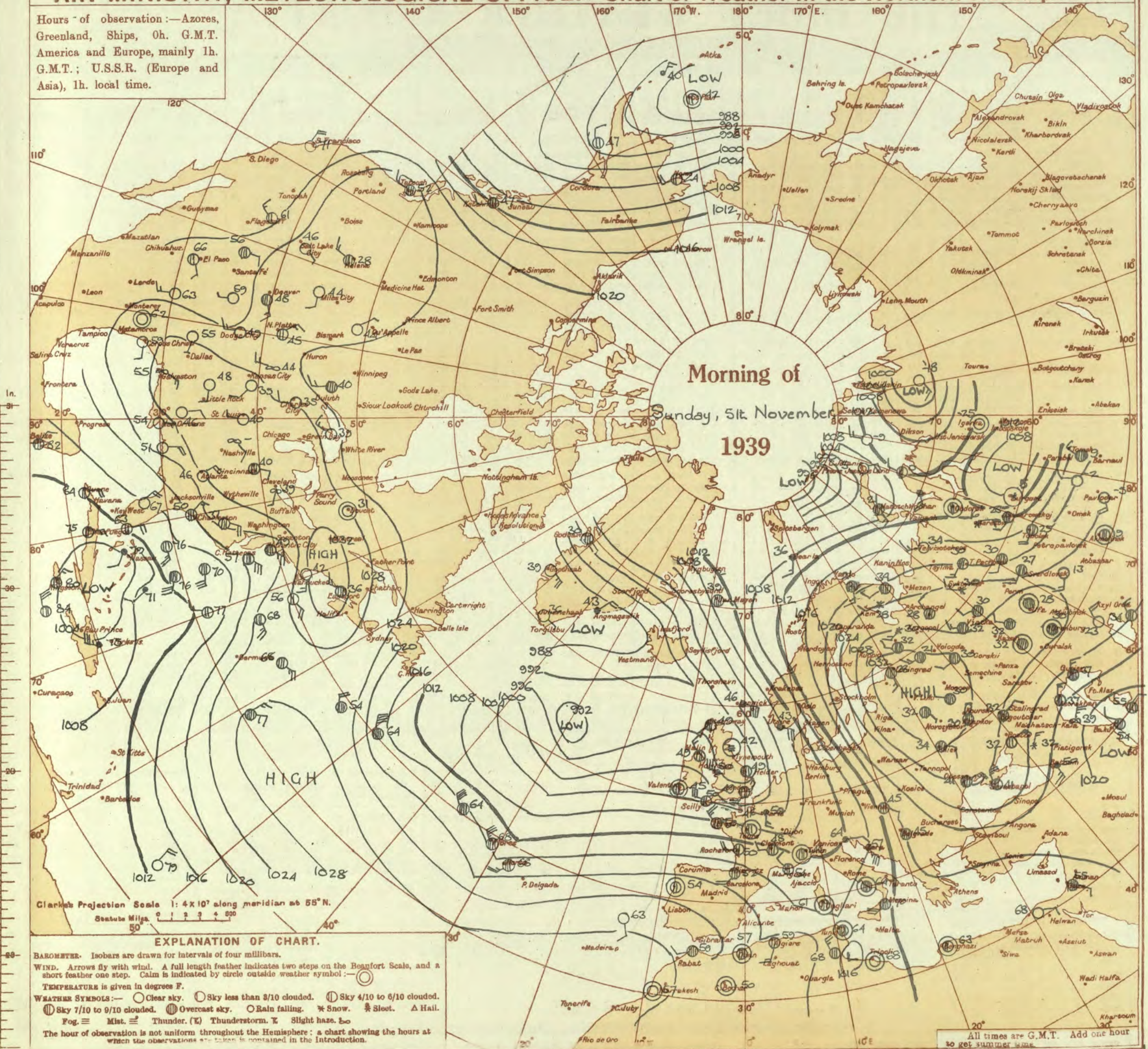
Forecasts issued at 0930 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.

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

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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 5th November 1939.

No. 28472.....

OBSERVATIONS at 1 hr. G.M.T. 5th November															OBSERVATIONS at 7 hr. G.M.T. 5th 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)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)					
					Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force. 0-12 (18)	Low. (23)	Med. (24)			High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base. (feet) (28)	Max. Day 7h-12h °F. (31)		Min. Night 12h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-12h mm. (34)	Night 12h-7h mm. (35)	
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	996.0	+30	WSW	4	c/r	47	85	8	5	-	-	10	10	1500	1	*	57	47	45	0.6	0.2	1.3				
	Croydon ...	217	992.1	+4	SW 5	4	Zo	49	85	6	2	-	-	94	2500	996.4	+24	WSW	5	c/r	46	82	7	6	2	-	9	10	1500	1	*	55	45	44	2	0.4	1.1		
	S. Farnborough ...	226	991.7	+12	SW 4	6	c	47	75	6	5	-	-	10	10	2500	996.7	+30	WSW	5	c/r	46	85	7	5	2	-	9	10	1500	1	*	50	44	44	1	1	1.7	
	Boscombe Down ...	417	991.4	+10	W	6	bc	46	85	5	5	-	-	4.6	4.6	800	997.8	+4	WSW	5	c	47	75	6	5	-	-	9	9	2500	1	*	55	45	43	1	0.4	0.8	
	Calshot (St. Mary's) ...	8	992.9	+12	WSW	4	c	49	75	7	5	-	-	7.8	7.8	2500	999.5	+22	WSW	5	c	48	75	7	5	7	-	7.8	9	4000	1	3	55	47	45	1	0.3	1.6	
	Lympe ...	346	993.7	+2	WSW	4	c/r	48	92	6	5	2	-	-	10	2500	997.3	+16	WSW	5	c	47	75	8	8	-	-	9	9	2500	1	5	55	45	41	0.2	1	1.6	
	Manston ...	154	992.8	-2	SSW	3	ir	50	92	6	5	1	-	-	4.6	9	4000	996.4	+22	SW	5	Zo	48	75	6	5	-	-	10	10	1500	1	*	55	46	43	0.5	2	1.2
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	995.5	+22	SW	4	c	48	85	6	5	-	-	10	10	1500	1	*	57	48	42	0.2	1	1.7				
	Felixstowe ...	15	992.1	-6	S	4	Zo	51	92	6	5	3	-	-	4.6	7.8	5700	994.3	+14	SW	5	ir	47	85	6	2	-	9	10	1500	1	2	52	47	44	0.3	Tr	0.7	
	Gorleston ...	5	992.5	-8	SSE	4	gpr	50	92	6	5	-	-	10	10	2500	994.4	+14	SW	5	c	47	85	6	5	-	-	9	9	2500	1	2	52	46	45	3	0.2	0	
	Mildenhall ...	19	990.2	-10	SSE	3	bc	49	97	7	5	7	-	-	2.3	4.4	4000	993.1	+20	SSW	3	c	47	85	8	5	-	-	9	9	1500	1	*	57	47	43	1	0	0.2
	Cranwell ...	240	989.5	-2	SE'S	2	Zo	46	97	5	5	-	-	10	10	450	992.5	+22	ESE	1	Zo	45	97	5	5	-	-	10	10	1500	1	*	53	44	42	0.6	Tr	0.0	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	994.0	+34	W	3	c/r	47	97	6	6	-	-	10	10	450	1	*	54	47	45	0.1	2	0.7				
	Upper Heyford ...	408	989.0	+2	SSE	2	id.	46	97	5	5	-	-	10	10	450	995.1	+42	WNW	4	c/pr	46	85	9	7	-	9	10	1500	1	*	53	44	43	1	0.4	*		
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	996.1	+36	W	4	c	48	75	8	5	-	-	9	9	2500	1	*	58	47	44	0.2	1	1.3				
5	Hartland Point ...	299	999.4	+24	NW	7	c	50	75	8	8	-	-	7.8	7.8	2500	999.0	+18	NW	5	bc	49	75	8	2	-	4.6	4.6	2500	1	3	53	48	45	8	0.5	0.0		
	Bristol ...	209	991.3	+30	df	6	c/r	45	85	6	5	2	-	-	7.8	10	1500	998.4	+38	U	4	c	47	92	8	4	-	7.8	7.8	2500	1	*	58	45	43	2	6	2.3	
	Portland Bill ...	32	993.6	+22	W	6	c	52	85	8	5	-	-	7.8	7.8	4000	999.3	+28	WNW	6	bc	51	85	8	5	-	4.6	4.6	4000	1	4	54	50	*	0.3	-	*		
	Plymouth ...	82	997.5	+22	W	5	c	50	75	7	5	-	-	3	0	Tr	1001.0	+14	WSW	4	bc	49	85	8	2	-	3	2.3	4.6	1500	1	4	54	47	43	7	1	0.0	
	The Lizard ...	240	999.0	+24	W	7	bc	51	75	8	8	6	-	-	4.6	4.6	2500	1001.0	+10	WSW	3	bc	50	85	8	6	-	4.6	4.6	2500	1	2	53	47	*	13	Tr	0.2	
	Scilly (St. Mary's) ...	163	999.5	+16	WNW	6	bc	50	85	8	4	-	-	2.3	2.3	2500	999.7	+10	SSW	4	c	50	92	8	5	4	-	4.6	7.8	2500	1	3	54	49	*	2	Tr	1.9	
	Guernsey ...	175	998.6	+28	W	5	bc	51	65	8	2	3	-	-	4.6	4.6	2500	1002.5	+20	W'S	3	bc	50	75	8	1	3	-	2.3	4.6	1500	1	4	54	48	42	3	2	0.9
6	Pembroke ...	142	999.3	+24	NW	8	c/r	50	75	7	8	-	-	9	9	1500	998.2	+10	WNW	4	bc	49	75	8	5	4	-	2.3	2.3	1500	1	3	54	53	45	0.5	3	0.7	
7	Holyhead ...	26	998.5	+10	WNW	7	ir	50	85	7	6	2	-	-	7.8	10	1500	994.0	+22	WNW	4	c	49	85	7	2	-	9	9	1500	1	3	56	48	45	Tr	1	1.4	
	Chester (Sealand) ...	16	998.2	+2	NW	1	d.d.	49	92	4	5	-	-	10	10	1500	993.2	+26	WNW	2	c/r	49	92	5	-	-	10	10	1500	1	*	53	48	41	0.1	7	0.3		
8	Manchester ...	70	988.3	-2	NE'E	2	df	50	92	3	5	2	-	-	9	10	1500	992.5	+26	W'N	1	ft	47	97	3	6	2	-	9	10	450	1	*	53	47	43	Tr	1	0.0
10	Spurn Head ...	29	990.3	-6	SE'S	3	c	49	92	6	-	8	-	0	7.8	-	992.0	+10	-	0	c	47	97	5	5	-	-	10	10	1500	1	1	50	47	*	10	Tr	0.0	
	Catterick ...	175	990.3	-2	0	0	c/r	48	97	4	6	-	-	10	10	800	992.5	+14	-	0	Zo	47	97	5	5	-	-	10	10	1500	1	*	49	46	43	4	0.5	0.0	
	Tynemouth ...	108	991.0	-4	SSE	3	c	50	97	6	5	-	-	10	10	1500	992.1	+6	SSE	1	ft	50	97	3	5	-	-	7.8	7.8	1500	1	1	50	49	46	9	0.3	0.0	
11	St. Abbs Head ...	280	991.4	+4	SSW	2	bc	47	97	5	5	6	-	2.3	4.6	220	991.8	+4	-	0	c/r	49	97	5	5	6	-	7.8	9	1500	1	1	49	45	*	7	1	*	
	Leuchars ...	36	991.1	+2	-	0	ft	42	97	3	5	3	5	2.3	2.3	5700	992.6	+8	-	0	ft	49	92	1	-	-	-	10	10	450	1	*	50	40	31	0	-	0.0	
12	Kenfrew (Abbots I.) ...	19	991.4	+4	E'N	1	ft	42	92	2	-	-	-	0	0	-	993.2	+10	-	0	ft	41	97	1	-	-	-	10	10	450	1	*	37	33	Tr	0	0.0		
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	992.6	+6	N	2	c/d	44	97	6	5	-	-	-	10	10	220	1	*	48	41	38	0.5	0.3	0.0			
	Point of Ayre ...	30	*	*	*	*	*	*	*	*	*	*	*	992.8	+16	N	3	c	51	92	7	8	1	-	-	4.6	7.8	1500	0	1	52	50	*	-	-	0.1			
13A	Tiree ...	22	985.7	-32	SE'E	4	c	50	85	8	8	-	-	7.8	7.8	1500	990.5	-2	WNW	2	c	48	85	8	8	6	-	4.6	4.6	1500	1	2	51	44	41	Tr	4	0.0	
13B	Stornoway ...	80	990.7	0	SW	2	c/pr	49	92	7	5	7	-	7.8	10	2500	990.9	+2	S	4	c	51	85	7	5	2	-	4.6	10	2500	1	2	53	48	*	0.5	1	3.4	
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	992.8	+4	S	1	c	41	92	6	4	4	-	-	4.6	7.8	1500	0	*	46	34	28	5	0.1	0.0			
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	992.6	+6	-	0	c	47	97	6	5	-	-	-	10	10	800	1	3	49	47	44	10	0.1	0.0			
	Wick ...	81	991.1	-2	SE	4	c	50	97	6	5	2	-	7.8	10	800	991.4	+2	SSE	3	bc	50	92	7	5	6	-	2.3	4.6	1500	1	3	50	47	*	3	2	*	
16	Lerwick ...	156	996.5	-14	ESE	8	rr	46	92	6	6	2	-	4.6	10	800	995.3	+2	ESE	8	ir	46	97	6	6	2	-	4.6	10	800	1	*	48	42	*	1	5	0.0	
17	Blacksod Point ...	18	994.5	0	W	3	bc	46	75	8	2	-	-	2.3	2.3	1500	991.5	-2	S	4	c	45	85	8	5	-	7.8	7.8	1500	0	3	50	40	*	20	-	0.0		
18	Malin Head ...	84	991.0	+8	NW	3	c/pr	49	75	7	9	2	-	4.6	9	4000	991.5	-2	S	1	bc	43	75	8	5	4	-	2.3	4.6	5700	0	4	51	40	*	1	0.4	0.0	
	Aldergrove ...	268	991.4	+14	-	0	gpr	46	92	6	6	-	-	10	10	1500	992.9	+6	SSW	1	b	42	92	7	5	-	-	Tr	Tr	2500	1	*	51	41	31	1	1	0.5	
19	Birr Castle ...	173	995.9	+16	NW	1	b	40	85	8	-	-	-	0	0	-	994.6	-12	SSW	1	bc	37	92	8	-	3	-	0	2.3	-	1	*	51	33	29	17	2	0.0	
20	Valentia Obsy. ...	30	997.8	4	-	0	bc	45	75	8	-	-	-	4.6	4.6	2500	999.7	-58	SE'S	6	c/r	50	75	7	6	2	-	7.8	10	1500	1	5	53	42	36	3	1	1.4	
	Roche's Point ...	22	998.3	+20	NW	3																																	

[illegible]

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

‡ Sea disturbance reported from Dungeness.

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

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

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

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

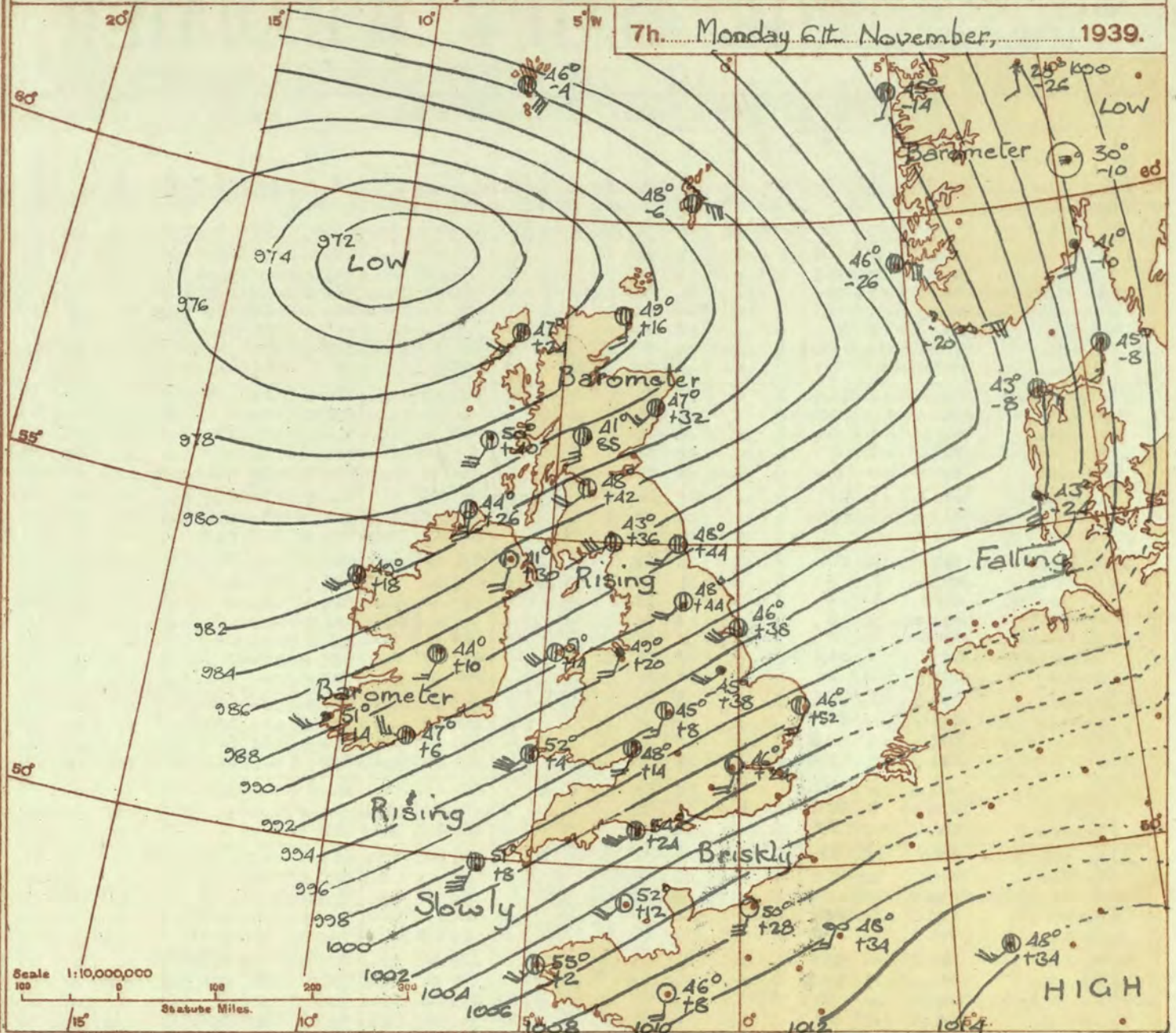
Monday, 6th November 1939.

No. 28473

OBSERVATIONS at 13h. G.M.T. 5th. November															OBSERVATIONS at 18h. G.M.T. 5th. November															PAST 24 HOURS.			
DIREC'T.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. -mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Direc.	Force. 0-12 (4)					Form.	Amount. 0-10 (13)	Height of Base. (feet) (14)	Direc.			Force 0-12 (18)	Form.					Amount 0-10 (26)	Height of Base (feet) (28)	7h.-13h. 5h. (37)	13h.-18h. 5h. (38)			18h.-5h. 1h.-6h. (39)	5h.-7h. 6h. (40)				
1	London (Kew)...	999.2	-6	SWW	2	c	52	65	8	1	-	6	7	993.0	-44	SSE	4	rr	51	92	6	6	2	-	7.8	10	1500	1	*	bc	ccrfo	ccrrcmo	ccbcmo
	Croydon ...	1000.1	+6	SW	4	c	55	55	7	1	4	8	7	994.4	-26	SSE	4	rr	50	92	6	6	2	-	9	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	S. Farnborough	999.8	+2	SW	4	c	52	55	7	1	-	8	7	992.5	-46	SSE	4	rr	51	92	6	6	2	-	9	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Boscombe Down	998.6	-16	S	4	c	51	75	8	5	-	7	7	989.0	-64	SSE	6	rr	51	97	5	6	2	-	9	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Calshot (Soton.)	999.7	-14	SSW	4	c	54	70	7	7	1	-	2	991.0	-58	SSE	7	rr	52	92	5	6	2	-	10	10	800	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Lympne	1001.7	+14	WSW	5	bc	54	55	8	2	-	5	1	998.2	-30	S	5	rr	51	75	7	5	7	-	7.8	10	4000	1	5	cczbc	ccrfo	ccrrcmo	ccbcmo
	Manston	1000.3	+14	SW	5	bc	54	55	8	5	-	6	4	997.5	-34	S	5	c	52	75	7	5	2	-	9	10	4000	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
2	Shoeburyness ...	1000.0	+4	SWW	4	bc	55	85	8	5	7	1	2	996.6	-36	S	5	c	52	75	8	5	-	-	10	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Felixstowe ...	998.3	+14	SWW	5	z	49	75	6	-	2	-	10	996.8	-22	S	6	c	51	85	7	5	2	-	2.3	10	5700	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	Gorleston	997.0	+16	SW	2	c	49	85	6	5	-	-	10	996.5	-10	S/E	4	c	47	85	6	5	-	-	7.8	7.8	2500	0	2	cczbc	ccrfo	ccrrcmo	ccbcmo
	Mildenhall	997.3	+18	SW	5	c	49	85	7	5	3	-	9	997.3	-38	SSE	5	z	50	75	6	5	7	-	1	9	2500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Cranwell	995.7	+10	SW	3	z	49	92	6	5	-	-	10	990.7	-38	S/E	4	z	46	85	6	5	2	-	4.6	10	2500	0	*	cczbc	ccrfo	ccrrcmo	ccbcmo
3	Birmingham	996.4	+2	SSW	3	c	50	55	7	-	7	8	0	986.8	-72	SSE	4	rr	49	97	6	6	-	-	10	10	450	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Upper Heyford	998.0	-2	SSW	3	c	51	65	8	1	4	6	7	990.5	-54	SSE	5	rr	49	97	5	6	2	-	9	10	450	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
4	Ross-on-Wye ...	996.2	-12	S	3	c	51	65	8	5	7	-	2	984.2	-42	SSE	5	rr	52	92	6	6	-	-	8	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
5	Hartland Point	992.0	-60	SSW	4	c	58	85	8	8	2	-	7	982.3	-6	SW	6	rr	53	92	8	6	2	-	4.6	9	1500	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	Bristol ...	997.3	-22	S	3	c	52	65	8	5	2	6	4	985.8	-66	SSE	5	rr	53	85	6	6	2	-	4.6	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Portland Bill	998.2	-24	S	6	c	54	92	7	5	-	-	10	986.1	-56	S	6	rr	55	85	7	5	-	-	10	10	1500	1	5	cczbc	ccrfo	ccrrcmo	ccbcmo
	Plymouth	994.4	-58	S	6	c	58	97	5	-	2	-	10	986.8	-32	W/S	6	c/r	54	97	7	6	2	-	7.8	9	800	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	The Lizard	991.2	-50	S	8	c	54	97	6	5	-	-	10	986.6	-120	SW	7	c	65	97	8	6	2	-	9	10	1500	1	5	cczbc	ccrfo	ccrrcmo	ccbcmo
	Scilly (St. Mary's)	987.9	-76	SSE	7	rr	53	97	5	5	-	-	10	985.8	-126	SW	7	c/r	54	92	7	6	2	-	7.8	9	1500	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	Guernsey	989.8	-54	S	5	cq	54	92	7	8	2	-	7	980.0	-16	S	6	rr	54	97	5	5	-	-	10	10	800	2	4	cczbc	ccrfo	ccrrcmo	ccbcmo
6	Pembroke ...	989.9	-50	S/E	7	cq	53	92	7	6	-	-	9	981.5	-36	W/S	6	c/r	53	97	7	8	-	-	10	10	1500	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
7	Holyhead	989.3	-44	S/E	5	c	50	65	9	8	1	4	2	977.3	-72	SSE	5	rr	52	85	6	6	2	-	9	10	800	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	Chester (Sealand)	993.7	-18	SSE	2	c	55	55	8	5	3	2	4	982.4	-62	SSE	5	rr	49	92	5	6	2	-	7.8	10	800	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
8	Manchester	994.0	-6	SSW	2	z	50	55	6	5	-	-	9	985.1	-64	SSE	4	rr	50	85	5	6	2	-	4.6	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
10	Spurn Head	994.4	0	SSW	1	c	52	85	6	4	6	-	4	991.9	-16	SSE	4	c	47	85	6	-	2	-	0	10	-	1	6	cczbc	ccrfo	ccrrcmo	ccbcmo
	Catterick	992.0	-8	SSE	1	bc	52	85	7	8	-	-	4	987.4	-40	SE	3	z	46	85	5	5	7	-	7.8	10	2500	1	1	cczbc	ccrfo	ccrrcmo	ccbcmo
	Tynemouth	992.4	-10	SE	2	bc	50	92	6	5	-	-	4	988.2	-30	S	0	50	85	5	5	-	-	10	10	1500	1	1	cczbc	ccrfo	ccrrcmo	ccbcmo	
11	St. Abbs Head	991.8	-14	SE	2	c	49	97	5	5	6	-	7	985.6	-24	SSE	5	c	48	92	5	6	6	-	4.6	10	1500	0	3	cczbc	ccrfo	ccrrcmo	ccbcmo
	Leuchars	991.4	-20	-	0	rr	46	97	4	-	2	-	10	985.4	-34	ESE	4	z	49	92	5	5	-	-	4.6	4.6	800	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
12	Renfrew (Abbots L.)	990.5	-30	-	0	of	45	97	2	5	-	-	10	982.6	-58	E/S	4	z	49	85	5	5	2	-	9	10	1500	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Esksdalemuir	990.6	-22	SSE	3	c	48	85	6	5	-	-	9	984.3	-42	SSE	4	0	44	85	6	5	-	-	10	10	800	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Point of Ayre	990.5	-22	SW	4	bc	54	75	8	1	-	5	1	980.0	-70	SSE	7	RR	49	92	6	6	2	-	7.8	10	1500	1	4	cczbc	ccrfo	ccrrcmo	ccbcmo
13A	Tiree ...	989.2	-14	ESE	1	bc	50	85	8	8	-	-	4	974.5	-60	ESE	7	c	50	85	7	5	-	-	9	9	2500	0	5	cczbc	ccrfo	ccrrcmo	ccbcmo
13B	Stornoway	989.0	-18	SSE	4	c	50	85	8	7	-	-	7	981.6	-36	ESE	6	bc	51	75	6	5	-	-	2.3	4.6	4000	1	3	cczbc	ccrfo	ccrrcmo	ccbcmo
15	Dalwhinnie	990.2	-20	S	3	bc	44	92	6	4	6	-	4	982.5	-52	S	4	c	45	85	6	6	2	-	7.8	9	1500	0	*	cczbc	ccrfo	ccrrcmo	ccbcmo
	Aberdeen	991.8	-10	SE	3	c	51	92	5	5	7	-	9	987.1	-30	SSE	4	c/d	50	92	5	5	-	-	9	9	800	1	3	cczbc	ccrfo	ccrrcmo	ccbcmo
	Wick ...	990.2	-16	SSE	4	bc	51	92	6	5	4	2	2	986.3	-26	SE	5	c/pr	51	97	6	5	2	-	7.8	10	800	1	3	cczbc	ccrfo	ccrrcmo	ccbcmo
16	Lerwick...	993.4	-18	SSE	8	c/r	47	92	6	6	2	-	7	992.0	-8	SSE	8	rr	48	92	6	6	2	-	4.6	10	450	1	*	cczbc	ccrfo	ccrrcmo	ccbcmo
17	Blacksod Point...	974.0	-100	rr	8	ir	48	92	7	6	-	-	10	965.2	-36	S	7	oq	49	92	7	9	-	-	10	10	220	0	4	cczbc	ccrfo	ccrrcmo	ccbcmo
18	Malin Head	984.3	-20	S	3	c	48	92	8	5	-	4	4	968.8	-72	SE	7	rr	49	85	6	6	2	-	7.8	10	2500	0	4	cczbc	ccrfo	ccrrcmo	ccbcmo
	Aldergrove	986.7	-50	SE	5	bc	50	55	8	5	7	1	7	973.5	-74	SSE	6	rr	48	92	6	6	-	-	10	10	800						

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 6th November, 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th November, 1939.
1 S.E. England ▼	Fresh squally southwest wind, strong on coasts, decreasing temporarily; bright intervals; thundery showers; average temperature.
2 E. England ... ▼	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England ▼	Fresh squally southwest wind, strong on coasts; bright intervals, showers, local thunderstorms; average temperature.
6 South Wales ... ▼	
7 North Wales ... ▼	
8 N.W. England ▼	
9 N. Midlands ...	
10 N.E. England ▼	Moderate or fresh squally southwest wind; bright intervals; local thundery showers; average temperature.
11 S.E. Scotland ▼	
12 S.W. Scotland & Isle of Man. ▼	Moderate or fresh squally southwest to south wind, strong on coasts; bright intervals, showers; local thunderstorms; average temperature.
13 { A. W. Scotld. ▼ B.N.W.Scot-land. ▼	
14 Mid Scotland	
15 N. E. Scotland ▼	Fresh squally south wind, strong on coasts; bright intervals; thundery showers; average temperature.
16 Orkneys and Shetlands ▼	
17 N. W. Ireland ▼	As 4 - 9.
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 off Northwest Scotland is filling up slowly and a secondary over North Spain will move east-north-east. Further disturbances will probably advance from the Atlantic. There will be bright intervals and showers in all districts with local thunder, chiefly in the West and South-west.

FURTHER OUTLOOK.

Bright intervals and showers.

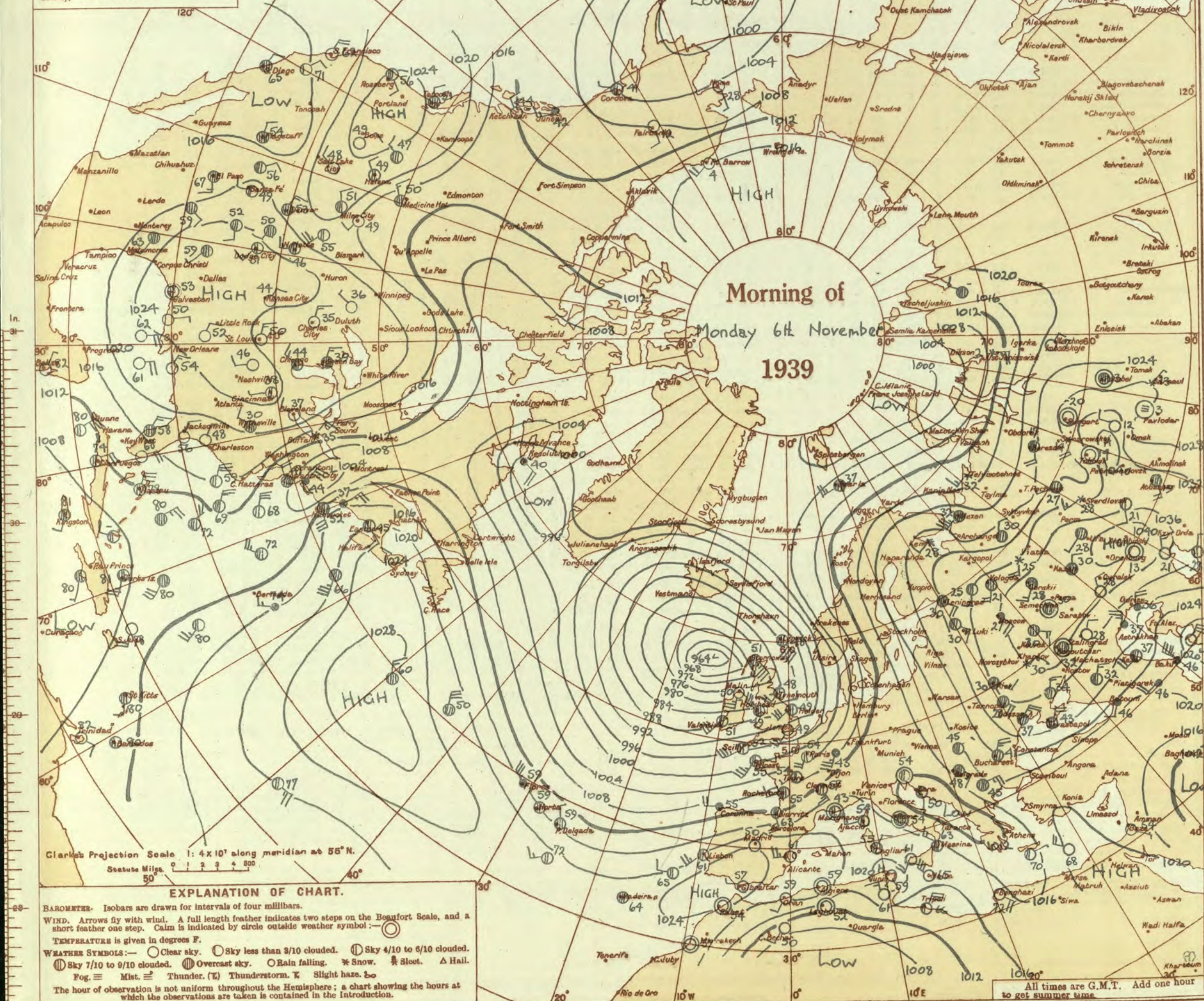
Times of Issue of Gale Warnings.

South cone hoisted at 0700 on 3rd in districts 16, at 0755 on 5th in districts 1, 2, 5, 6, 7, 19 and 20 and at 1400 on 5th in districts, 8, 10, 11, 12, 13A, 13B, 15, 17 and 18.

Forecasts issued at 0930 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.
H.M.S.O. Press, Cornwall House, S.E.1. G. 47H/3768 Mk. 6102 S. 4624 G. 948 2085(10) 43

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
Monday 6th November 1939.
No. 28473

OBSERVATIONS at 1 hr. G.M.T. 6th 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.	Wind.		Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visiblity.	Cloud.					State of Ground.	Sea.	TEMPERATURE.					RAINFALL.					SUNSHINE 5th 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. or Max. °F.	Day 7h-18h mm.			Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

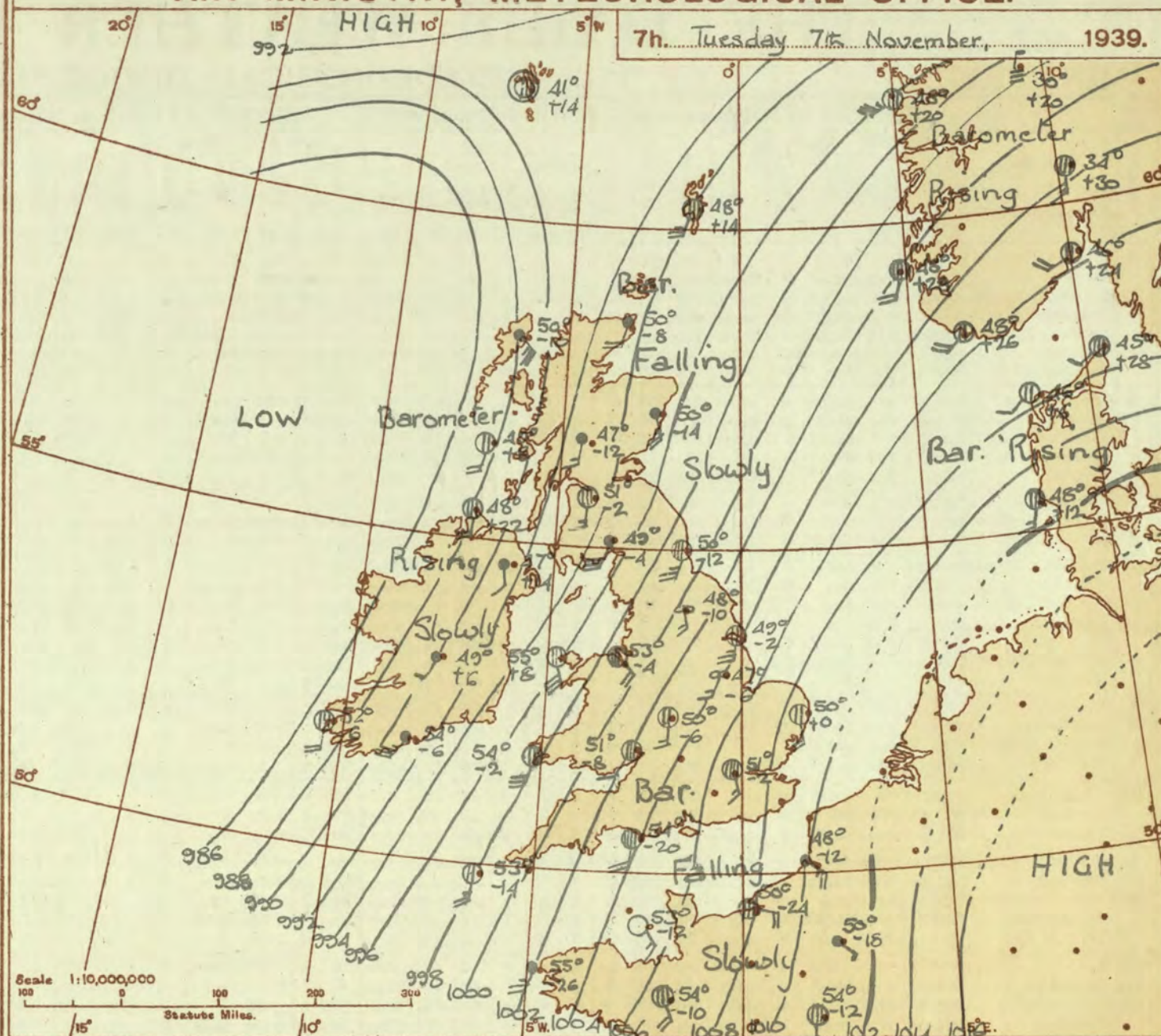
Tuesday, 27th November, 1939.

No. 28,474

OBSERVATIONS at 13h. G.M.T. 27th November.														OBSERVATIONS at 18h. G.M.T. 27th November.														PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1) mb.	Change in 8 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	°C. (8)	Humid. % (9)	Visibility. 0-9 (10)	Cloud.				Barom. at M.S.L. (15) mb.	Change in 8 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	°C. (22)	Humid. % (23)	Visibility. 0-9 (24)	Cloud.				Barom. at M.S.L. (29) mb.	Change in 8 hours. (30)	WEATHER.						
				Dir.	Force. 0-12 (4)						Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)	Dir.			Force. 0-12 (18)	Form.						Amount. 0-10 (25)	Height of Base (feet) (28)	7h.—18h. 5th—6th (37)	18h.—18h. 5th—6th (38)			18h.—5th 1h.—6th (39)	1h.—7h. 5th—6th (40)					
1	London (Kew)...	103.1	0	SW	4	rr	45	92	6	2	-	7-8	10	1500	1005.2	+18	S	2	2	49	92	6	5	-	-	2-3	2-3	2500	1	*	tlthrm	crrgbc	bccgcm	cm		
	Croydon ...	1003.4	+10	SSW	4	PR	51	92	6	3	-	10	10	2500	1005.6	+18	SSW	4	4	49	92	7	4	-	-	1	1	4000	1	*	brrg PR	crrgbc	bccgcm	bcc		
	S. Farnborough	1003.3	+6	SW	5	c/r	48	85	6	2	3	7-8	9	1500	1004.8	+14	SSW	4	2	49	92	6	4	-	-	1	1	4000	1	*	SLR	bccgcm	brrgbc	bcc		
	Boscombe Down	1001.6	+2	SW	5	c	51	85	6	1	3	2	16	7-8	1500	1004.1	+20	S	4	49	92	6	5	-	-	2-3	2-3	1500	1	*	bccgcm	crrgbc	brrgbc	bcc		
	Calshot (Soton.)	1003.2	+10	SW	5	c/pr	51	85	7	6	7	-	16	7-8	1500	1005.5	+22	WSW	2	52	92	6	5	-	-	9	9	1500	1	2	tlthrm	crrgbc	brrgbc	bcc		
	Lympne	1005.7	+10	SW	5	bc	55	85	6	7	3	-	16	7-8	1500	1005.2	+20	SW	2	47	97	7	5	-	-	10	10	2500	1	3	b, crrg	bccgcm	crrgbc	bcc		
	Manston	1004.3	+6	SW	6	zo	55	75	6	8	-	2	2-3	7-8	2500	1007.0	+22	SW	4	49	85	6	3	-	-	7-8	7-8	1500	1	*	cmobem	prcmg	crrgbc	bcc		
2	Shoeburyness ...	1003.8	0	SW	4	c	55	75	8	5	-	9	9	1500	1006.0	+20	SSW	4	bc	49	85	8	5	-	-	2-3	2-3	2500	1	3	bccgcm	crrgbc	brrgbc	bcc		
	Felixstowe ...	1002.8	+11	SW	5	c/pr	51	85	6	3	7	3	16	9	1500	1005.0	+18	SW	5	50	85	6	4	-	-	2-3	2-3	2500	1	2	crrgbc	crrgbc	brrgbc	bcc		
	Gorleston ...	1001.7	+4	SSW	5	c/pr	53	85	6	5	-	-	16	7-8	2500	1004.1	+8	SW	3	49	85	6	5	-	-	2-3	2-3	2500	1	*	bccgcm	crrgbc	brrgbc	bcc		
	Mildenhall ...	1000.8	+12	SSW	5	pr	51	75	7	8	7	-	7-8	9	2500	1003.6	+22	SSW	4	bc	50	85	7	5	2	-	1	16	2500	1	*	b, crrg	crrgbc	brrgbc	bcc	
	Cranwell ...	997.7	+12	SW	5	c	52	75	7	6	-	-	10	10	800	1009.4	+14	SW	2	45	85	6	4	3	Tr	1	2500	1	*	bccgcm	crrgbc	brrgbc	bcc			
3	Birmingham	998.4	+12	SW	4	bc	49	75	8	8	-	-	16	16	2500	1001.7	+14	SW	3	b	48	75	8	6	-	Tr	Tr	2500	1	*	crrgbc	crrgbc	brrgbc	bcc		
	Upper Heyford	1000.0	+6	SW	5	bc	49	75	8	8	0	1	2-3	1-6	1500	1003.2	+20	SSW	3	b	49	85	7	5	-	Tr	Tr	2500	1	*	bccgcm	crrgbc	brrgbc	bcc		
4	Ross-on-Wye ...	999.0	+14	WSW	3	bc/pr	50	85	8	8	-	-	16	16	2500	1001.9	+12	S	3	49	92	7	9	-	-	2-3	2-3	2500	1	*	fgb, crrg	crrgbc	brrgbc	bcc		
5	Hartland Point	997.8	+20	WSW	8	c	53	85	7	8	7	3	16	7-8	2500	999.9	+10	WSW	7	c/pr	53	92	7	6	4	-	7-8	9	800	1	5	crrgbc	crrgbc	brrgbc	bcc	
	Bristol ...	1000.9	+16	SW	5	bc	51	85	8	4	-	-	16	16	2500	1002.7	+12	SSW	3	bc	51	85	8	4	4	-	2-3	2-3	2500	1	*	crrgbc	crrgbc	brrgbc	bcc	
	Portland Bill ...	1002.1	+14	SW	7	c	53	85	7	5	4	-	7-8	10	4000	1004.3	+18	SW	6	bc	55	85	7	5	-	-	4-6	4-6	4000	1	5	crrgbc	crrgbc	brrgbc	bcc	
	Plymouth ...	1001.2	+14	SW	7	c	55	85	8	3	-	-	7-8	7-8	1500	1002.4	+10	SW	7	zo	55	85	6	3	3	-	7-8	9	2500	1	4	cmobem	prcmg	crrgbc	bcc	
	The Lizard ...	1004.5	+10	SW	6	c	56	85	7	8	6	-	7-8	7-8	2500	1002.4	+10	SSW	6	bc	54	92	7	8	6	-	4-6	4-6	2500	1	4	bccgcm	crrgbc	brrgbc	bcc	
	Soilly (St. Mary's)	999.4	+12	SW	5	c	54	92	7	8	6	-	7-8	9	1500	999.5	-2	SSW	5	bc/pr	53	97	7	8	-	-	2-3	2-3	1500	1	4	crrgbc	crrgbc	brrgbc	bcc	
	Guernsey	1004.9	+4	SW	5	cq	57	75	7	7	8	8	16	7-8	2500	1006.9	+10	SSW	3	bc	55	85	7	-	4	-	0	2-3	-	1	4	bccgcm	crrgbc	brrgbc	bcc	
6	Pembroke ...	997.4	+8	WSW	7	bcq	54	85	7	8	-	-	16	16	1500	998.2	+2	SW	6	bcq	54	85	7	5	7	-	2-3	4-6	1500	1	4	crrgbc	crrgbc	brrgbc	bcc	
7	Holyhead ...	993.4	+30	SW	5	bc	54	65	8	2	-	-	16	16	2500	996.1	+14	SSW	5	c	53	75	7	2	-	-	7-8	7-8	1500	1	3	crrgbc	crrgbc	brrgbc	bcc	
	Chester (Sealand)	996.5	+18	SW	4	c	56	65	8	7	2	4	16	7-8	1500	998.9	+20	S	3	bc	50	75	7	8	3	-	2-3	4-6	2500	1	*	crrgbc	crrgbc	brrgbc	bcc	
8	Manchester ...	995.5	+18	SW	4	c	52	75	7	8	7	-	7-8	9	2500	999.2	+16	SW	4	zo	49	75	6	8	3	-	2-3	2-3	4000	1	*	crrgbc	crrgbc	brrgbc	bcc	
10	Spurn Head ...	996.1	+6	SW	5	c	55	65	6	0	3	0	7-8	-	-	999.7	+18	SW	5	p	47	85	6	-	-	0	0	-	0	3	c	bcc	bcc	bcc	bcc	
	Catterick ...	993.6	+18	SW	4	c	52	75	7	2	6	-	7-8	7-8	1500	997.4	+30	S	3	b	48	75	7	4	-	-	1	1	4000	1	1	crrgbc	crrgbc	brrgbc	bcc	
	Tynemouth ...	991.8	+16	SW	4	c/pr	51	75	6	2	-	-	9	9	1500	996.1	+20	SW	3	bc	48	85	5	2	-	-	2-3	2-3	1500	1	1	bccgcm	crrgbc	brrgbc	bcc	
11	St. Abbs Head	989.1	+26	SW	4	bc	50	65	8	8	4	-	2-3	16	2500	993.4	+20	SW	3	bc	46	75	8	5	-	-	2-3	2-3	2500	0	2	bccgcm	crrgbc	brrgbc	bcc	
	Leuchars ...	988.0	+18	WSW	4	bc	49	75	8	7	1	4	16	16	2500	992.0	+26	SW	3	b	46	85	7	4	-	3	1	1	4000	1	*	crrgbc	crrgbc	brrgbc	bcc	
12	Renfrew (Abbots L.)	989.9	+34	SW	3	c	50	75	8	8	4	3	16	7-8	1500	992.4	+22	SSW	3	c/pr	49	85	6	5	7	-	4-6	7-8	1500	1	*	bc	bccgcm	crrgbc	bcc	
	Eskdalemuir ...	989.7	+10	SW	6	bc	47	75	8	8	-	-	16	16	1500	994.4	+26	SW	4	bc	45	85	8	4	-	-	4-6	4-6	1500	1	*	bccgcm	crrgbc	brrgbc	bcc	
	Point of Ayre ...	991.4	+22	WS	5	bc	55	65	8	6	-	-	16	16	2500	994.8	+16	SW	4	bc	49	85	7	4	-	-	2-3	2-3	1500	0	2	bccgcm	crrgbc	brrgbc	bcc	
13A	Tiree ...	984.1	-22	SSW	5	c/pr	48	75	8	8	-	-	7-8	7-8	1500	987.5	-20	SSW	4	bc/pr	48	75	8	8	-	-	7-8	7-8	1500	1	4	crrgbc	crrgbc	brrgbc	bcc	
13B	Stornoway ...	981.6	+36	SSW	4	c/pr	45	85	7	5	7	-	7-8	10	2500	989.9	+28	S	6	43	75	7	8	4	-	-	4-6	7-8	2500	0	*	crrgbc	crrgbc	brrgbc	bcc	
15	Dalwhinnie ...	989.0	+20	SW	6	bc	45	85	7	8	6	1	16	16	1500	990.9	+28	S	6	bc	43	75	7	8	4	-	-	4-6	7-8	2500	0	*	crrgbc	crrgbc	brrgbc	bcc
	Aberdeen ...	987.0	+30	SW	4	b	52	65	6	1	3	-	1	1	2500	992.1	+34	SSW	2	bc	47	85	6	5	9	-	1	2-3	4000	1	2	crrgbc	crrgbc	brrgbc	bcc	
	Wick ...	983.6	+30	SSW	3	c	50	75	8	5	4	9	16	7-8	1500	988.4	+24	SSW	3	bc	47	92	8	5	6	-	2-3	2-3	1500	1	2	crrgbc	crrgbc	brrgbc	bcc	
16	Lerwick ...	979.8	-12	ESE	7	bc	47	92	6	8	2	-	16	10	450	984.2	+40	WSW	6	ir	47	92	6	8	2	-	4-6	10	800	1	*	crrgbc	crrgbc			

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th. Tuesday 7th November, 1939.



DISTRICTS.

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

1 S.E. England	Strong southerly winds; occasional rain or showers, but bright intervals; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Strong southerly wind, gale locally on coast; occasional rain or showers, but bright intervals; 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	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	As 5 - 7.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southeast, strong or gale at times; cloudy, occasional rain; mild.
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 DISTURBANCES. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A large depression to the west of Ireland is moving East-southeast slowly and secondaries are moving north-northeast across the British Isles and France. There will be strong southerly winds with occasional rain or showers, but bright intervals in eastern districts. It will remain mild.

FURTHER OUTLOOK.

Unsettled and mild.

GALE WARNING.

South Cone hoisted at 22.30 G.M.T. on 6th in Districts. 5, 6, 7, 8, 12, 13A, 13B, 17, 18, 19 and 20.

Forecasts issued at 1000 G.M.T.

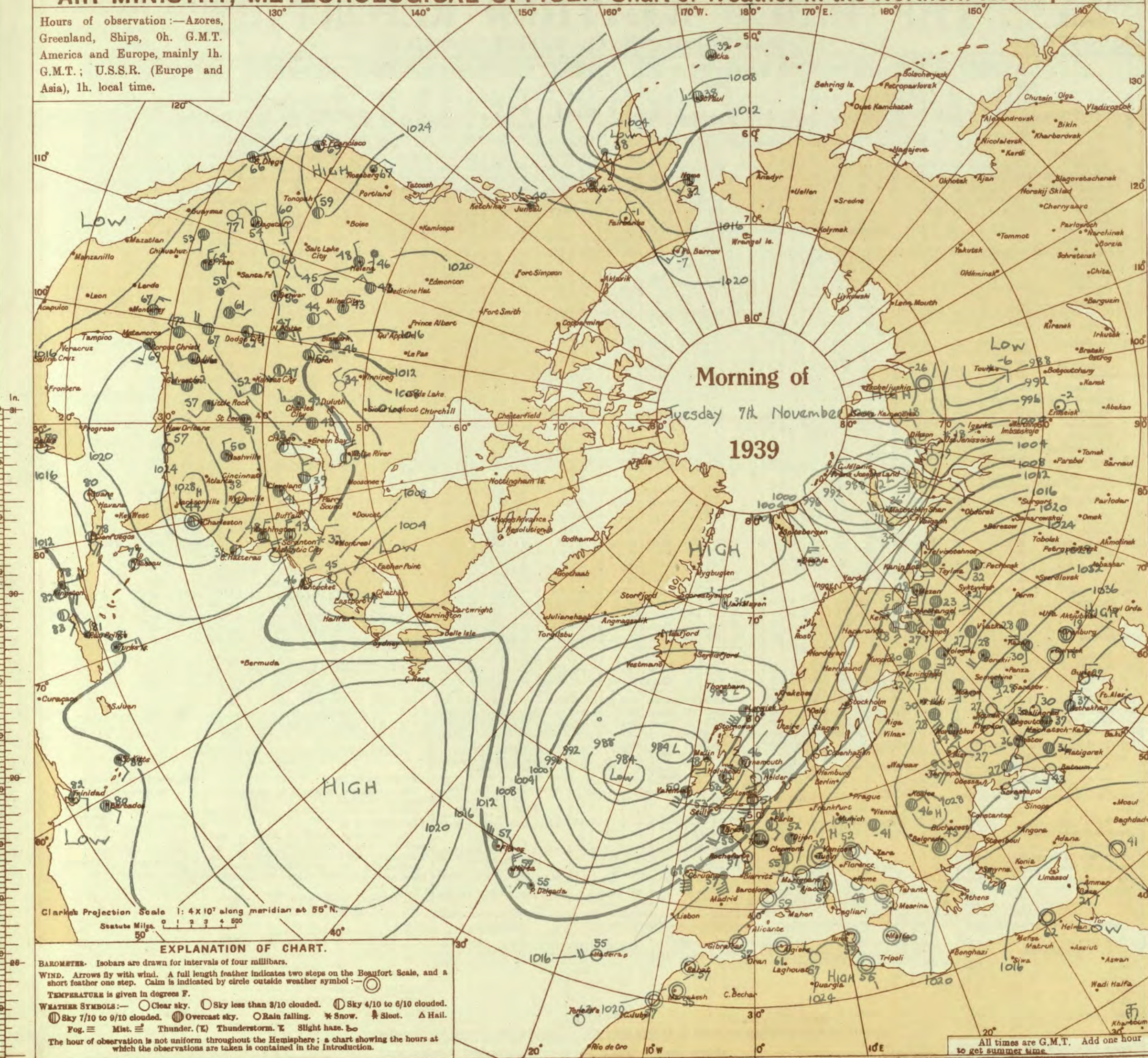
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

C. 4763781 8th 8123.5 4524 542 00850.10/39

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

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



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 7th November 1939

No. 28474

[illegible]

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungeness.

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

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 8th November 1989.

No. 28,475.

OBSERVATIONS at 13h. G.M.T. 7th November.														OBSERVATIONS at 18h. G.M.T. 7th November.														PAST 24 HOURS.											
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 8 hours. (30)	Sea. 0-9 (31)	WEATHER.								
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force 0-12 (18)	Form. (23)	Med. (24)	High (25)	Low 0-10 (26)				Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	7h-12h. 7th.... (37)	12h-18h. 7th.... (38)	18h-7h to 1h. 8th. (39)	7h-1h. 8th.... (40)		
1	London (Kew)...	1002.0	-2.4	S	3	4/r	56	92	6	5	-	-	7-8	10	1500	997.7	-1.6	SW	3	ir	57	85	6	5	2	-	4.6	10	1500	2	*	cm	10	cm	10	cm	10	cm	
	Croydon ...	1002.7	-2.2	S/E	3	0/d	55	97	6	5	-	-	9	10	1500	1000.8	-1.0	S	3	ir	57	82	6	5	2	-	7-8	10	800	1	*	cm	10	cm	10	cm	10	cm	
	S. Farnborough	1001.3	-2.2	S/E	3	0/d	56	92	6	5	7	-	9	10	800	999.1	-1.6	SE/S	4	q/r	56	92	6	5	2	-	10	10	5700	1	*	cm	10	cm	10	cm	10	cm	
	Boscombe Down	999.2	-3.0	S/E	5	0/r	55	97	7	5	-	-	10	10	800	997.1	-1.4	S/E	5	rr	56	97	6	5	2	-	9	10	800	1	*	cm	10	cm	10	cm	10	cm	
	Calshot (Soton.)	1000.8	-2.6	SSE	5	0/r	56	92	7	5	2	-	7-8	9	1500	998.7	-1.2	SSE	6	p/r	57	83	6	5	-	-	10	10	1500	1	3	cm	10	cm	10	cm	10	cm	
	Lympe	1005.9	-2.0	S	3	ir	53	97	6	5	-	-	7-8	10	800	1003.5	-8	SW	3	bc	58	92	7	-	3	2	0	4.6	-	1	4	cm	10	cm	10	cm	10	cm	
	Manston	1005.6	-2.2	S/E	3	2	54	97	6	6	2	-	7-8	9	800	1002.7	-1.0	SSE	3	2	55	92	6	5	7	-	4.6	10	1500	1	*	cm	10	cm	10	cm	10	cm	
2	Shoeburyness ...	1004.7	-2.0	SE	3	c	52	92	5	8	3	-	9	10	1500	1002.4	-6	S/E	4	c	55	92	7	5	7	-	5	10	4000	1	*	cm	10	cm	10	cm	10	cm	
	Felixstowe	1004.6	-2.6	SSE	4	10	51	97	5	5	2	-	7-8	10	1500	1002.0	-6	SSE	5	2	54	92	6	5	7	-	9	10	1500	1	3	cm	10	cm	10	cm	10	cm	
	Gorleston	1004.4	-3.6	SSE	4	c	51	92	6	5	-	-	9	9	2500	1002.7	-2	SSE	5	0	54	92	6	5	-	-	10	10	2500	1	3	cm	10	cm	10	cm	10	cm	
	Mildenhall	1002.6	-2.8	SSE	5	c	53	85	7	5	2	-	9	10	1500	1000.0	-6	SSE	5	ir	56	92	6	5	2	-	4.6	10	4000	1	*	cm	10	cm	10	cm	10	cm	
	Cranwell	1001.5	-2.2	SSE	3	ir	50	97	6	5	-	-	10	10	800	997.7	-1.4	S	5	q/d	55	92	4	6	2	-	9	10	480	1	*	cm	10	cm	10	cm	10	cm	
3	Birmingham	999.5	-2.2	SE	3	ir	50	87	5	-	2	-	10	10	450	998.0	-1.0	S	4	rr	55	92	6	6	-	-	10	10	450	1	*	cm	10	cm	10	cm	10	cm	
	Upper Heyford	1000.3	-2.8	SSE	3	ir	53	97	6	6	7	-	9	10	450	998.0	-1.4	SSE	4	10	53	97	6	6	2	-	7-8	10	450	1	*	cm	10	cm	10	cm	10	cm	
4	Ross-on-Wye ...	996.9	-2.8	SE	3	ir	54	97	7	6	-	-	9	10	1500	994.8	-8	3	3	c/r	55	97	7	6	1	-	7-8	10	1500	1	*	cm	10	cm	10	cm	10	cm	
5	Hartland Point	993.6	-3.6	S	3	ir	57	92	7	9	2	-	7-8	10	800	991.6	-1.6	3	4	c	55	85	8	5	2	-	4.6	9	1500	1	3	cm	10	cm	10	cm	10	cm	
	Bristol ...	997.6	-3.4	S	3	ir	57	85	8	5	-	-	10	10	1500	995.8	-1.4	5	4	c	56	92	7	6	2	-	7-8	10	1500	1	5	cm	10	cm	10	cm	10	cm	
	Portland Bill	999.7	-2.4	S	5	0	56	92	8	5	-	-	10	10	2500	996.9	-1.2	5	4	6	56	92	7	5	-	-	10	10	1500	1	5	cm	10	cm	10	cm	10	cm	
	Plymouth	996.7	-1.8	SW	6	q/d	52	92	6	5	2	-	7-8	10	1500	995.1	-8	S/W	5	2	56	97	6	5	-	-	10	10	1500	1	4	cm	10	cm	10	cm	10	cm	
	The Lizard	995.3	-1.0	S	5	c	54	97	8	8	2	-	7-8	9	2500	992.4	-1.4	S/E	6	0	55	92	7	5	-	-	10	10	1500	1	4	cm	10	cm	10	cm	10	cm	
	Seilly (St. Mary's)	990.4	-1.2	S	5	c	55	97	7	5	7	3	2	3	7-8	1500	989.2	-2.6	S/E	6	0	55	92	6	5	-	-	10	10	1500	1	4	cm	10	cm	10	cm	10	cm
	Guernsey	1000.4	-2.0	SSE	3	c	58	92	7	2	7	8	2	3	7-8	2500	998.5	0	5	3	58	85	7	2	7	-	2	3	9	1500	1	4	cm	10	cm	10	cm	10	cm
6	Pembroke ...	993.7	-1.8	S/E	4	dd	54	97	6	8	2	-	7-8	10	1500	991.6	-1.6	S	c	54	92	7	8	7	-	4.6	7-8	1500	1	3	cm	10	cm	10	cm	10	cm		
7	Holyhead	993.9	-1.2	SSE	5	c	57	75	7	2	3	9	2	3	7-8	2500	990.2	-1.8	S/E	3	c/r	53	92	8	5	-	-	7-8	7-8	2500	1	2	cm	10	cm	10	cm	10	cm
	Chester (Sealand)	997.2	-1.8	SE	3	2	55	75	c	8	3	-	9	9	2500	993.4	-1.8	SE	3	c/r	52	97	5	5	-	-	7-8	7-8	1500	1	*	cm	10	cm	10	cm	10	cm	
8	Manchester	997.7	-2.2	SSE	4	2	54	75	c	5	3	-	2	3	7-8	2500	994.2	-1.8	SSE	5	myr	55	92	4	5	2	-	7-8	9	1500	1	*	cm	10	cm	10	cm	10	cm
10	Spurn Head	1002.2	-1.0	S/E	5	c	51	7	6	5	8	4	4	6	10	2500	995.0	-2	S	5	0	52	97	6	5	-	-	10	10	1500	1	6	cm	10	cm	10	cm	10	cm
	Catterick	998.1	-1.2	S/E	4	c	53	75	5	8	-	-	7-8	7-8	2500	995.2	-2.0	SSE	2	id	50	97	4	5	-	-	10	10	220	1	6	cm	10	cm	10	cm	10	cm	
	Tynemouth	998.7	-8	SSE	5	bc	54	75	c	2	-	-	4	6	4	2500	996.1	-8	5	4	51	92	6	5	-	-	10	10	1500	1	2	cm	10	cm	10	cm	10	cm	
11	St. Abbs Head	995.0	-1.0	SSE	6	c	56	65	8	4	6	2	4	7-8	1500	993.6	-8	SSE	5	bc	49	85	6	4	3	-	4	6	1500	0	3	cm	10	cm	10	cm	10	cm	
	Leuchars	995.1	-6	SE	1	10	48	97	7	5	2	-	9	10	1500	993.3	-6	SE	2	bc	48	92	7	5	-	-	2	3	2500	1	*	cm	10	cm	10	cm	10	cm	
12	Renfrew (Abbots L.)	994.2	6	E	1	10	50	97	3	6	2	-	7-8	10	1500	992.5	-1.4	S/E	4	2	52	85	6	5	4	2	4	6	7-8	2500	1	*	cm	10	cm	10	cm	10	cm
	Eskdalemuir	994.8	-1	SW	6	c	53	75	8	5	3	1	4	6	9	1500	993.5	-1.2	W/S	1	bc	48	85	6	5	-	-	2	3	1500	1	*	cm	10	cm	10	cm	10	cm
	Point of Ayre	994.5	0	SSW	5	c	54	85	8	9	6	9	7-8	9	1500	991.2	-2.2	8	5	52	97	7	-	2	-	10	10	1500	1	3	cm	10	cm	10	cm	10	cm		
13A	Tiree ...	999.6	0	SSE	4	c	51	85	8	5	7	-	4	7-8	2500	988.0	-8	SSE	4	dr	50	92	7	-	2	-	9	9	1500	1	3	cm	10	cm	10	cm	10	cm	
13B	Stornoway	990.0	7	SSW	4	c	52	85	8	8	7	7	4	6	10	2500	990.8	0	SSE	3	c	51	85	7	5	5	7	7-8	10	2500	1	2	cm	10	cm	10	cm	10	cm
15	Dalwhinnie	994.0	-1	S	4	ir	46	85	7	6	1	-	2	3	10	1500	992.2	-10	S	3	ir	68	92	6	8	2	-	7-8	10	2500	1	*	cm	10	cm	10	cm	10	cm
	Aberdeen	995.2	1.6	S/W	3	ir	49	92	6	5	-	-	10	10	2500	994.5	-2	S	3	bc	51	92	6	5	-	-	2	3	2500	1	2	cm	10	cm	10	cm	10	cm	
	Wick	991.3	1.2	SSE	4	c	51	92	7	5	1	2	2	3	9	2500	992.2	0	S	4	51	97	7	5	7	8	4	6	9	1500	1	2	cm	10	cm	10	cm	10	cm
16	Lerwick...	998.3	-1	SSW	5	ir	50	92	6	6	2	-	7-8	10	800	993.9	+4	S	5	c	50	92	7	5	7	-	7-8	9	800	1	*	cm	10	cm	10	cm	10	cm	
17	Blacksod Point...	986.1	-1.0	SE	3	c	51	85	8	8	-	-	10	10	800	982.5	-2.2	SE	3	pr	51	85	8	8	-	-	10	10	800	1	3	cm	10	cm	10	cm	10	cm	
18	Malin Head	988.6	-2	S/E	4	c	50	85	8	6	7	-	4	6	9	1000	986.2	-1.6	S	3	rr	49	92	5	3	-	-	10	10	1500	0	3	cm	10	cm	10	cm	10	cm
	Aldergrove	991.2	-1	SSE	2	10	49	92	6	-	2	-	10	10	2500	987.6	-8	SE/S	4	c	52	85	7	5	2	-	7-8	9	1500	1	*	cm	10	cm	10	cm	10	cm	
19	Birr Castle	988.7	-1.2	S	1	rr	50	97	7	6	2	-	7-8	10	800	983.8	-2.4	S	3	ir	53																		

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.
 fa, low fog over sea (coast station).
 fg, low fog over land (inland station).
 m, mist, visibility 1100-2200 yds.
 h, hail. i, intermittent.
 jf, fog at a distance, but not at station.
 jp, precipitation within sight of station.
 ks, storm of drifting snow.
 k/s, slight storm of drifting snow (generally low).
 k/S, heavy storm of drifting snow (generally low).
 s_o/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). ♀gale.
☉ Solar halo. ☾lunar halo. ☀Aurora.
With present weather is combined,
whenever possible, the general
character of the weather.
A "solidus" divides actual exist-
ing weather from preceding con-
ditions thus:—b/c/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.

‡ Sea disturbance reported from Dungeness.

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 Ae or high Sc.
4 Ae in isolated patches. Individually de-
creasing (often lenticular).
5 Ae in bands (increasing).
6 Ae formed from the spreading out of Cu.
7 Ae associated with As or As with parts
resembling Ae.
8 Ae Castellatus (or Ae in ragged fragments).
9 Ae in several layers generally associated with
fibrous veils and a chaotic appearance
of the sky.

Cloud form abbreviations:—

Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Alto cumulus, -Ac: Altostratus, -As:
Stratocumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb.

COLUMN 29 —STATE OF GROUND.

- | | | | |
|---|-----------------------------------|----|---|
| 0 | Ground dry. | 7 | Ground covered with snow, less than 6 ins., deep but ground not frozen. |
| 1 | wet. | 8 | " covered with snow, less than 6 ins., but ground frozen. |
| 2 | flooded. | 9 | " covered with snow greater than 6 ins. deep. |
| 3 | frozen hard and dry. | 10 | Fresh snow has fallen in the mountains. |
| 4 | partly covered with snow or hail. | | |
| 5 | covered with ice or glazed frost. | | |
| 6 | covered with thawing snow. | | |

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

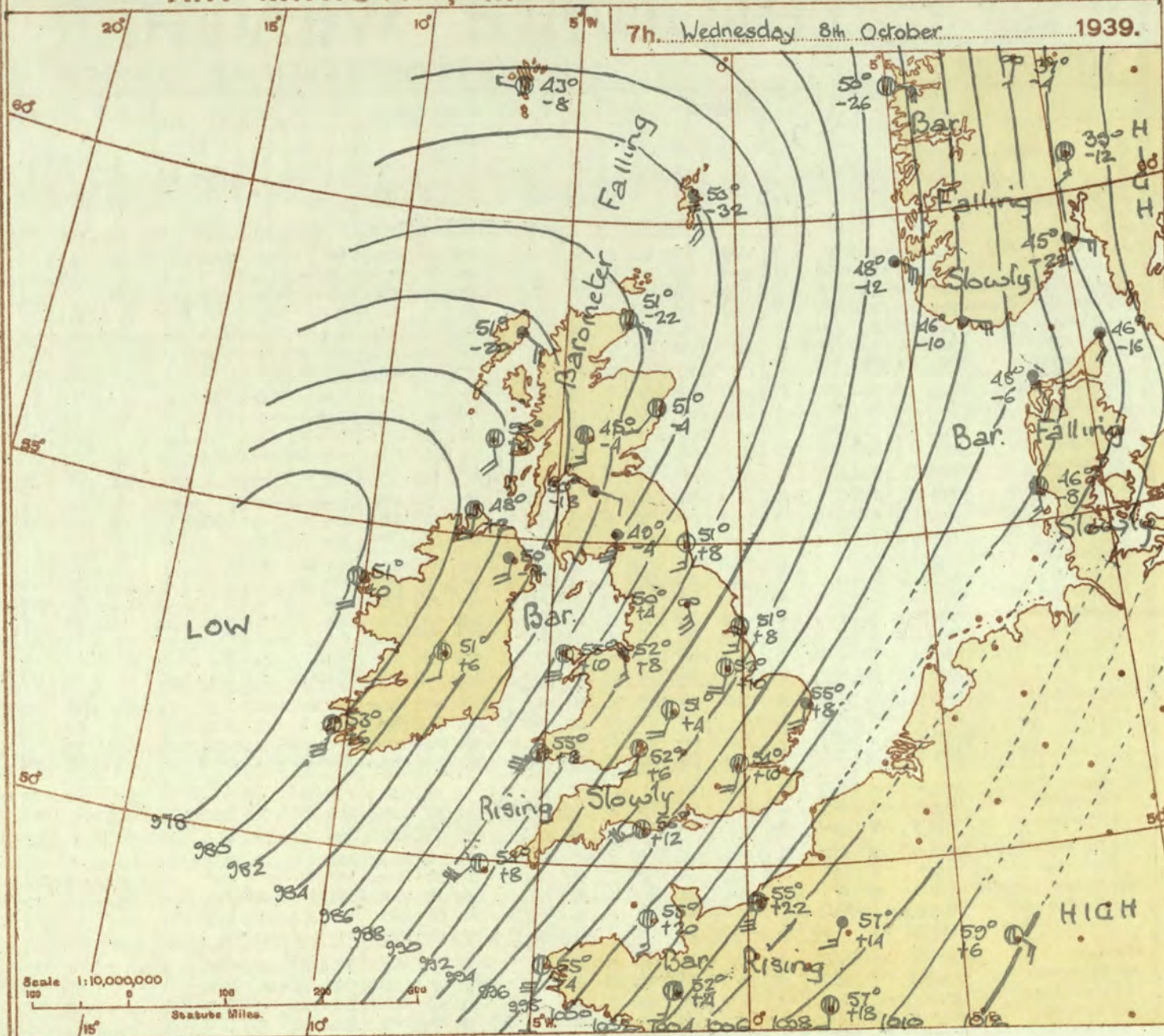
- 0 No cirriform cloud.
 - 1 Fine Ci not increasing: sparse.
 - 2 Fine Ci not increasing: abundant but not a continuous layer.
 - 3 Anvil Ci (usually dense).
 - 4 Fine Ci increasing: usually in tufts.
 - 5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
 - 6 Ci or Cs increasing and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

stratus,-Cs: Alto cumulus,-Ac; Altostratus,-As:
stratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb.

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.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 8th October 1939.



DISTRICTS.

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

1 S.E. England	Fresh or strong south wind; occasional rain or showers but bright periods; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Strong southerly winds reaching gale force locally on the coast; occasional rain or showers but fair periods; 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	As 5 - 8.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	Fresh or strong southeast wind; cloudy, occasional rain; mild.
15 N.E. Scotland	
16 Orkneys and Shetlands	As 5 - 8.
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 CHANGES from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression off the southwest of Ireland is almost stationary and is filling up. There will be a mild southerly current over the British Isles reaching gale force over the open sea in the west. There will be occasional rain or showers but bright periods in the east and Midlands.

FURTHER OUTLOOK.

Mild unsettled weather with southerly winds.

Time of Issue of Gale Warning.

South Cone hoisted in districts 5,6,7,8, 12,13A,13B,17,18,19, and 20 at 22.30 6/11/39.

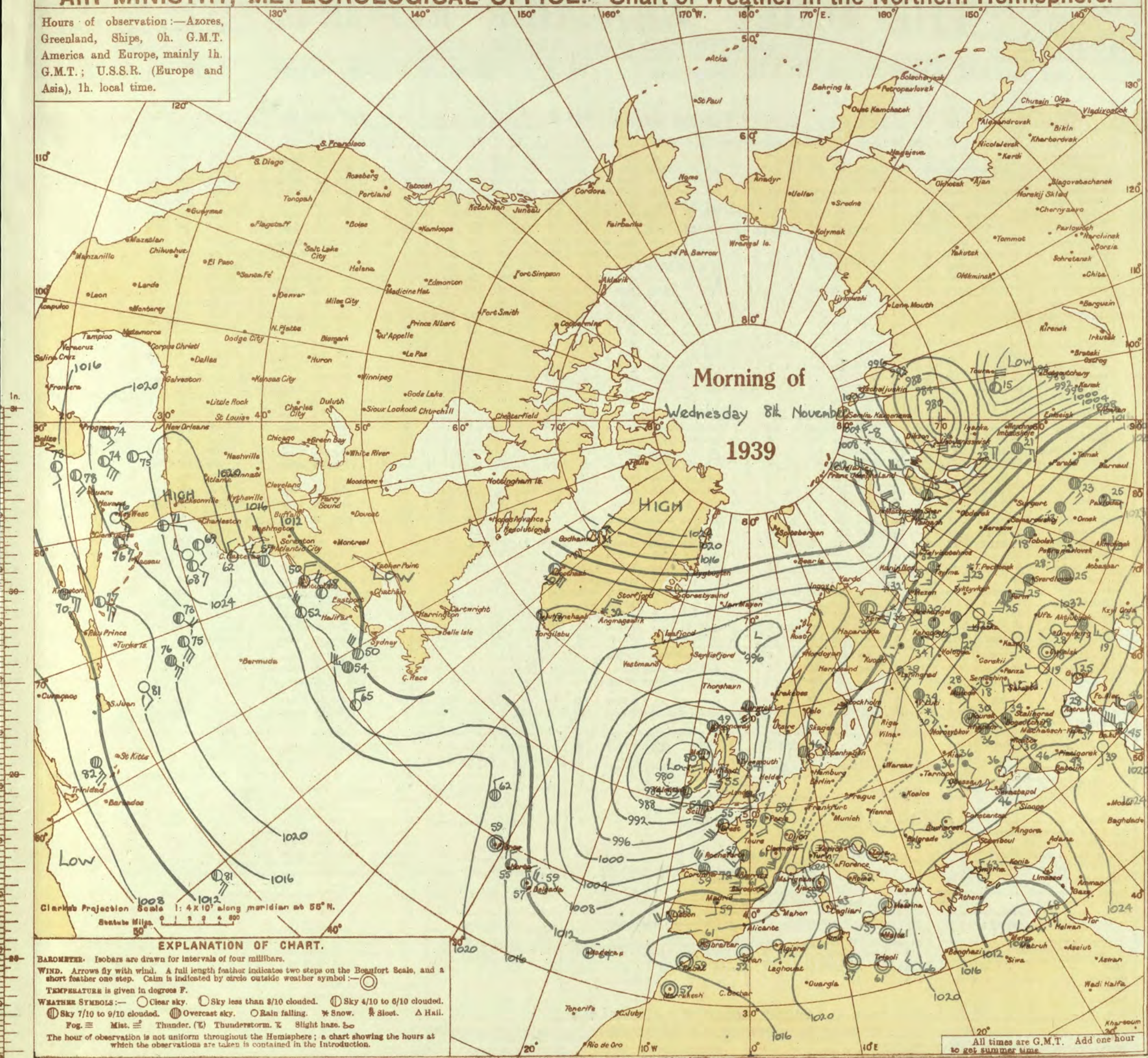
Forecasts issued at 0930 G.M.T.

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

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

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.

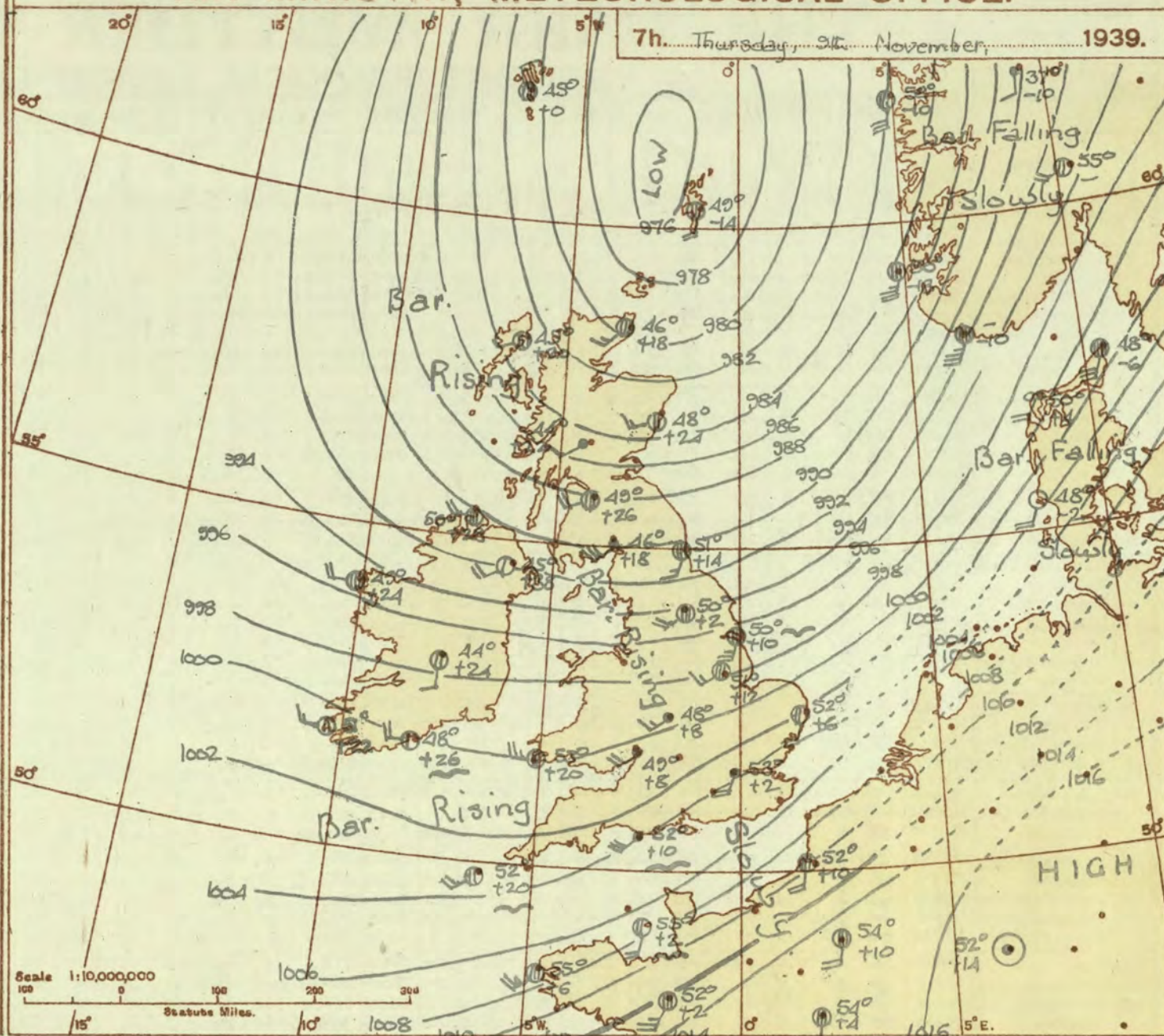
LONDON OBSERVATIONS.													EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.													Height above Sea Level in feet.	Weather.			Temperature.			Rainfall.		Sun- shine, to Sunset.		Humidity.		Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 21h.	COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 8, 22—Code for surface visibility. Objects not visible at 0 Dense fog 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze 1½ miles. 5 Poor visibility 2½ " 6 Moderate " 6½ " 7 Good " 12½ " 8 Very good " 31 " 9 Excellent " beyond 31m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Morning.			Afternoon.			Night.			Day Max.	Night Min.	Min. on Grass °F.	Day.		Night.	hrs.	15h. G.M.T. %	9h. G.M.T. %	Visibility 9h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
24 hrs. ended 9h.						°F.			°F.			mm.		mm.		Yesterday.		To-day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday, 9th November, 1939.

[illegible]

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T.
1 S.E. England	
2 E. England ...	Wind west to southwest, strong, squally at first, moderating;
3 E. Midlands ...	showers of rain or hail, with thunder locally, but bright periods;
4 W. Midlands ...	cooler than of late.
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. Scotld. B.N.W. Scot- land.	Wind west to northwest, fresh or strong; squally showers of rain or hail, with thunder locally; bright intervals; cooler than of late.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Wind west, backing later to southwest, fresh; showery to-day,
19 S. E. Ireland	with bright intervals; some rain 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 deep depression near Shetland is filling up and moving away northeastwards. The wind will remain westerly and gradually moderate. There will be showery weather in all districts with showers of rain or hail and a lower temperature than of late. A new depression will affect the west tomorrow.

FURTHER OUTLOOK.

Generally unsettled with southwesterly winds.

Times of issue of Gale Warnings.

▼South Cone hoisted in districts 5 and 6 on 6/11/39 at 2230.
▼South Cone hoisted in districts 1,2,7,8,10,11, and 12. on 8/11/39 at 1845.

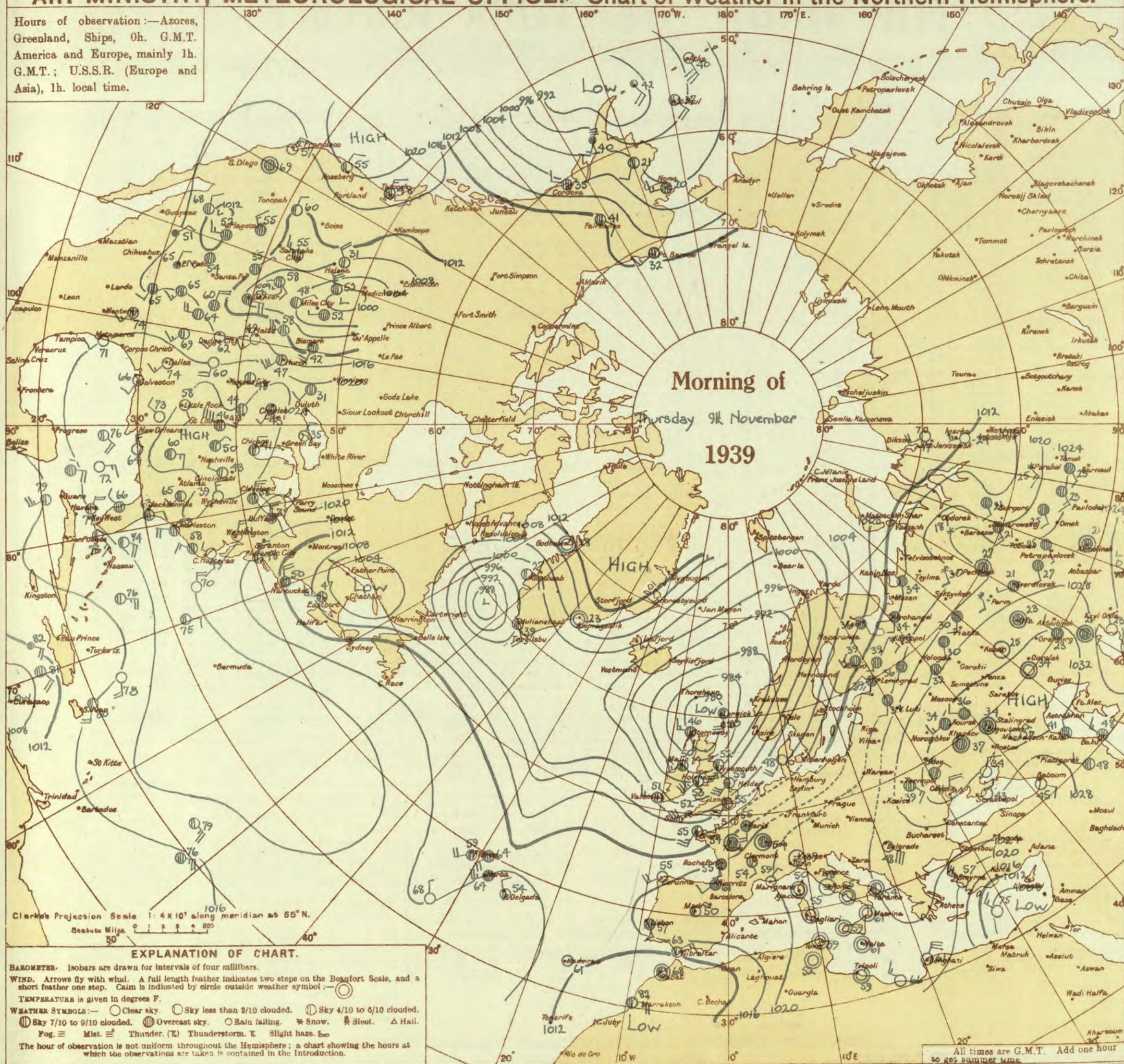
Forecasts issued at 0930 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

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

U 4743760000 810.9 0 4529 946 08050.10/35

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
Thursday 3rd. November 1939.
No. 28476

[illegible]

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

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2/6 per month; 8/6 per quarter; 25/- per year.

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

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

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 10th November, 1939.
No. 28477.

[illegible]

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.
<p>b, blue sky (not more than a quarter covered with cloud). bc, sky partly cloudy (one half covered). c, generally cloudy. d, drizzle. e, wet air. g, gloom. f, fog, visibility 220–1100 yds. F, thick fog „ less than 220 yds. fs, low fog over sea (coast station). fg, low fog over land (inland station). m, mist, visibility 1100–2200 yds. h, hail. i, intermittent. jf, fog at a distance, but not at station. jp, precipitation within sight of station. ks, storm of drifting snow. k/s, slight storm of drifting snow (generally low). k/S, heavy storm of drifting snow (generally low). s_o/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.</p>	<p>q, squalls. r, rain. s, snow. rs, sleet. t, thunder. u, ugly, threatening sky. v, unusual visibility. w, dew. x, hoar frost. y, dry air. z, dust haze: the turbid atmosphere of dry weather. h(r), “hail” or “rain and hail.” Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain. <, less than (for cloud height). gale. ☉ Solar halo. ☾ lunar halo. ☽ Aurora. With present weather is combined, whenever possible, the general character of the weather. A “solidus” divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.</p>	<p>0 No low clouds. 1 Fair weather Cu. 2 Large Cu without anvil. 3 Cb. 4 Sc formed by the spreading out of Cu. 5 Layer of St or Sc. 6 Ragged low clouds of bad weather (or fractonimbus). 7 Fair weather Cu and Sc. 8 Large-Cu (or Cb) and Sc. 9 Large-Cu (or Cb) and ragged low clouds of bad weather.</p>	<p>0 No cirriform cloud. 1 Fine Ci not increasing: sparse. 2 Fine Ci not increasing: abundant but not a continuous layer. 3 Anvil Ci (usually dense). 4 Fine Ci increasing: usually in tufts. 5 Ci or 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 Cc predominating, and a little cirrus. (Cc may occur with any of the types 1 to 8).</p>
	<p>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. § Sea disturbance reported from Dungeness.</p>	<p>Cloud form abbreviations:— Cirrus,—Ci; Cirrocumulus,—Cc; Cirrostratus,—Cs; Alto cumulus,—Ac; Altostratus,—As; Stratocumulus,—Sc; Stratus,—St; Nimbostratus,—Ns; Cumulus,—Cu; Cumulonimbus,—Cb.</p>	
		<p>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. 6 .. „ covered with thawing snow.</p>	<p>7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen. 8 .. „ covered with snow, less than 6 ins., but ground frozen. 9 .. „ covered with snow greater than 6 ins. deep. .. Fresh snow has fallen in the mountains.</p>

Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

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AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T.

- 1 S.E. England
- 2 E. England ...
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England
- 6 South Wales ...
- 7 North Wales ...
- 8 N.W. England
- 9 N. Midlands ...
- 10 N.E. England
- 11 S.E. Scotland
- 12 S.W. Scotland
& Isle of Man.
- 13 { A.W.Scotld.
B.N.W.Scot-
land.
- 14 Mid Scotland
- 15 N. E. Scotland
- 16 Orkneys and
Shetlands
- 17 N. W. Ireland
- 18 N. E. Ireland
- 19 S. E. Ireland
- 20 S. W. Ireland

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, 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.

FURTHER OUTLOOK.

Forecasts issued at

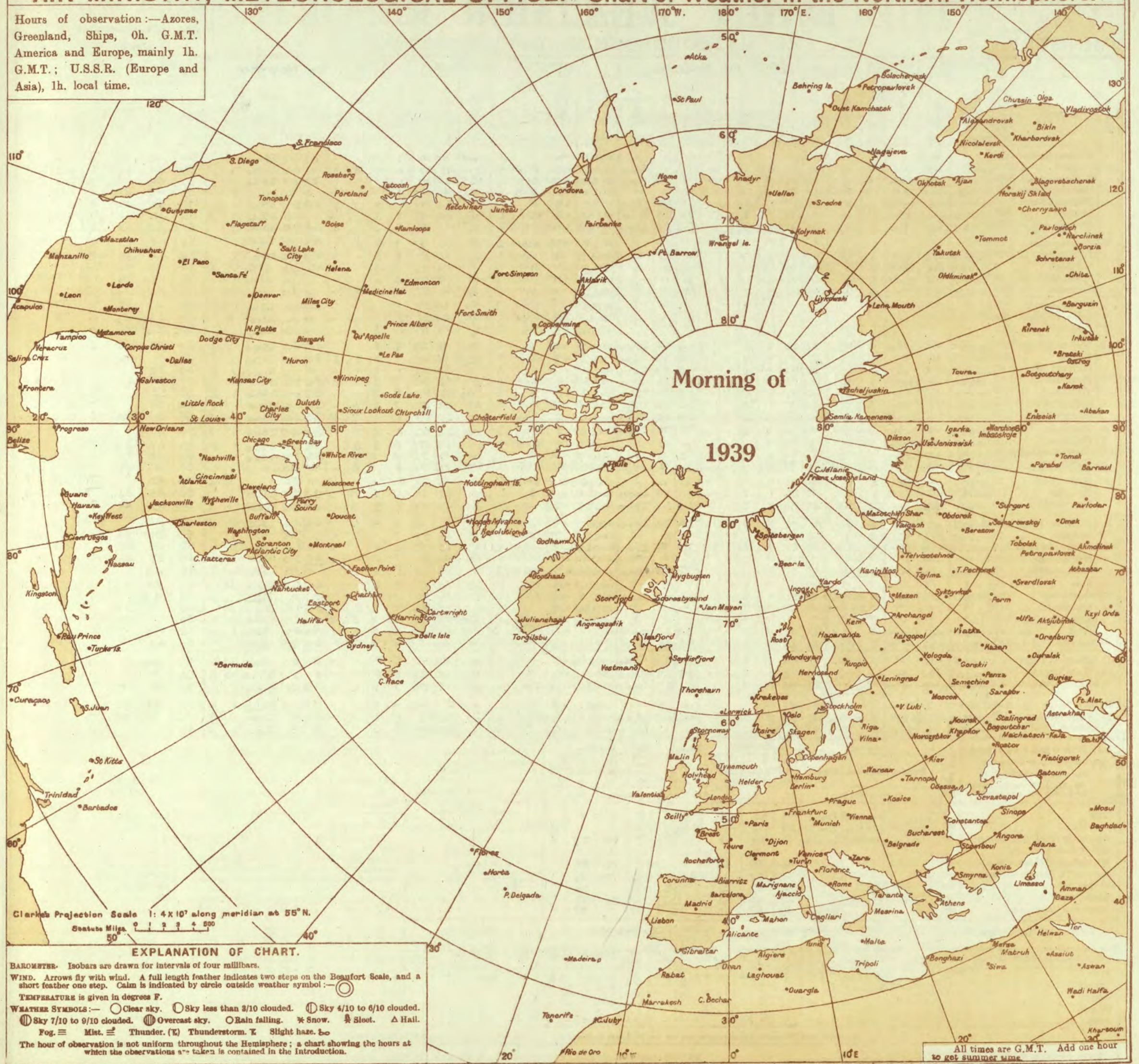
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

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

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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.

OBSERVATIONS at 1 hr. G.M.T. 10th November														OBSERVATIONS at 7 hr. G.M.T. 10th 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. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.		RAINFALL.		SUN-SHINE.										
					Direc.	Force.					Form.	Amount.	Height of Base (feet) (14)	Direc.	Force.			Form.	Amount.					Height of Base (feet) (28)	State of Ground. 0-9	Sea. 0-9	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. or Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)												
																																		Low. (9)		Med. (10)	High (11)	Low (12)	Total (13)	Low (23)	Med. (24)	High (25)	Low (26)	Total (27)	
1	London (Kew) ... 217	1011.7	+10	SSW	3	bc	48	97	6	1	1	4000	1013.7	+10	SSW	3	bc	48	97	6	1	1	4000	1013.7	+10	SSW	3	bc	48	97	6	1	1	4000	54	43	33	2	Tr	1.3					
	Croydon ... 226	1011.7	+10	SSW	2	bc	46	97	6	1	1	4000	1013.6	+10	SSW	2	bc	47	97	6	1	1	4000	1013.6	+10	SSW	2	bc	47	97	6	1	1	4000	55	44	33	5	0.2	1.4					
	S. Farnborough ... 417	1011.6	+10	SSW	2	bc	44	97	7	1	1	4000	1012.7	+4	SSW	1	bc	44	97	1	1	1	4000	1012.7	+4	SSW	1	bc	44	97	1	1	1	4000	57	42	37	3	0.3	3.0					
	Calshot (Stamtn.) ... 8	1011.8	+8	SSW	2	bc	52	97	7	1	1	4000	1013.1	+8	SSW	1	bc	50	97	5	7	2	4-6	2500	1013.1	+8	SSW	1	bc	50	97	5	7	2	4-6	2500	57	45	42	3	0.2	3.6			
	Lympne ... 346	1013.2	+10	SSW	3	bc	47	97	7	1	1	4000	1015.1	+8	SSW	2	bc	46	97	7	2	2	4-6	2500	1015.1	+8	SSW	2	bc	46	97	7	2	2	4-6	2500	57	45	34	23	0.4	2.8			
	Manston ... 154	1012.2	+12	SSW	3	bc	46	97	6	1	1	4000	1014.2	+10	SSW	2	bc	47	97	6	5	2	2-3	4-6	2500	1014.2	+10	SSW	2	bc	47	97	6	5	2	2-3	4-6	2500	57	45	41	8	0.1	2.5	
2	Shoeburyness ... 11	1010.3	+18	WSW	3	bc	47	97	4	1	1	4000	1013.8	+12	SSW	2	m	46	97	4	8	7	4-6	7-8	2500	1013.8	+12	SSW	2	m	46	97	4	8	7	4-6	7-8	2500	54	44	31	7	1	1.1	
	Felixstowe ... 15	1010.3	+18	WSW	3	bc	47	97	4	1	1	4000	1013.0	+6	WSW	1	m	45	97	4	5	5	4-6	4-6	450	1013.0	+6	WSW	1	m	45	97	4	5	5	4-6	4-6	450	54	44	38	0.5	0.2	1.5	
	Gorleston ... 5	1009.8	+14	WSW	2	bc	45	92	6	1	1	4000	1012.7	+4	WSW	3	m	44	92	3	5	5	10	10	800	1012.7	+4	WSW	3	m	44	92	3	5	5	10	10	800	56	43	42	Tr	1	1	
	Mildenhall ... 19	1010.0	+10	WSW	3	bc	45	97	6	1	1	4000	1013.0	+18	SSW	3	m	45	97	3	5	5	10	10	1150	1013.0	+18	SSW	3	m	45	97	3	5	5	10	10	1150	58	42	34	0.2	Tr	5.3	
	Cranwell ... 240	1008.9	+14	SSW	3	bc	44	97	4	1	1	4000	1011.5	+14	SSW	3	m	40	97	5	4	4	2-3	1	1011.5	+14	SSW	3	m	40	97	5	4	4	2-3	1	1011.5	55	40	36	0.2	Tr	5.7		
3	Birmingham ... 535	1012.1	+12	SSW	2	bc	44	97	1	1	1	4000	1012.1	+12	SSW	2	bc	44	97	1	1	1	10	10	4150	1012.1	+12	SSW	2	bc	44	97	1	1	1	10	10	4150	55	41	37	1	Tr	5.5	
	Upper Heyford ... 408	1013.1	+12	SSW	2	bc	44	97	2	1	1	4000	1013.1	+12	SSW	2	bc	44	97	2	1	1	10	10	4150	1013.1	+12	SSW	2	bc	44	97	2	1	1	10	10	4150	57	44	40	4	Tr	5.7	
4	Ross-on-Wye ... 223	1012.2	+12	SSW	2	bc	45	97	6	1	1	4000	1012.2	+12	SSW	2	bc	45	97	6	1	1	10	10	800	1012.2	+12	SSW	2	bc	45	97	6	1	1	10	10	800	56	40	31	1	Tr	5.7	
5	Hartland Point ... 299	1009.3	+4	WSW	3	bc	52	92	8	1	1	4000	1010.7	+6	SSW	3	bc	49	92	8	5	1	4-6	4-6	2500	1010.7	+6	SSW	3	bc	49	92	8	5	1	4-6	4-6	2500	54	47	46	6	1	4.7	
	Bristol ... 209	1010.4	+6	S	2	bc	47	92	7	1	1	4000	1012.2	+8	SSW	3	bc	46	97	7	5	4	2-3	4-6	4000	1012.2	+8	SSW	3	bc	46	97	7	5	4	2-3	4-6	4000	56	41	30	1	Tr	4.6	
	Portland Bill ... 32	1010.8	+18	W	4	bc	54	92	8	1	1	4000	1012.9	+10	SSW	3	bc	53	92	7	5	1	10	10	4000	1012.9	+10	SSW	3	bc	53	92	7	5	1	10	10	4000	56	41	30	1	Tr	4.6	
	Plymouth ... 82	1011.3	+6	WSW	3	bc	53	92	7	1	1	4000	1011.5	+4	SSW	3	bc	53	92	7	5	1	4-6	7-8	1500	1011.5	+4	SSW	3	bc	53	92	7	5	1	4-6	7-8	1500	57	46	37	1	Tr	4.1	
	The Lizard ... 240	1011.5	+16	SW	3	bc	53	97	8	1	1	4000	1012.2	+8	S	3	bc	53	97	8	8	1	2-3	2-3	2500	1012.2	+8	S	3	bc	53	97	8	8	1	2-3	2-3	2500	57	52	46	1	Tr	0.5	
	Scilly (St. Mary's) ... 163	1009.7	+2	SSW	3	bc	52	97	7	1	1	4000	1010.0	+6	SSW	4	bc	52	97	7	5	4	2-3	4-6	2500	1010.0	+6	SSW	4	bc	52	97	7	5	4	2-3	4-6	2500	56	51	44	3	0.3	8.0	
	Guernsey ... 175	1012.4	+4	WSW	2	bc	53	92	7	1	1	4000	1013.0	+6	SSW	1	bc	52	92	8	1	7	2-3	4-6	2500	1013.0	+6	SSW	1	bc	52	92	8	1	7	2-3	4-6	2500	58	51	44	3	0.2	3.5	
6	Pembroke ... 142	1009.0	+8	WSW	3	bc	52	85	8	1	1	4000	1010.0	+4	SSW	2	bc	52	92	8	2	5	2-3	4-6	2500	1010.0	+4	SSW	2	bc	52	92	8	2	5	2-3	4-6	2500	54	51	44	3	0.2	3.5	
7	Holyhead ... 26	1007.7	+14	SSW	3	bc	49	85	8	1	1	4000	1009.2	+8	SSW	2	bc	48	85	8	8	3	2-3	7-8	2500	1009.2	+8	SSW	2	bc	48	85	8	8	3	2-3	7-8	2500	55	47	43	Tr	1	5.0	
	Chester (Sealand) ... 16	1008.4	+18	SSW	1	bc	42	85	6	1	1	4000	1010.6	+4	S	1	bc	41	92	4	5	5	2-3	7-8	4000	1010.6	+4	S	1	bc	41	92	4	5	5	2-3	7-8	4000	56	39	33	Tr	1	6.8	
8	Manchester ... 70	1008.1	+18	SSW	2	bc	41	87	6	1	1	4000	1010.4	+10	SSE	1	bc	36	97	3	5	5	0	2-3	1	1010.4	+10	SSE	1	bc	36	97	3	5	5	0	2-3	1	1010.4	55	32	26	1	Tr	3.2
10	Spurn Head ... 29	1007.7	+18	SSW	3	bc	44	92	6	1	1	4000	1010.6	+14	SSW	3	bc	42	97	6	1	6	0	7-8	1	1010.6	+14	SSW	3	bc	42	97	6	1	6	0	7-8	1	1010.6	55	42	36	Tr	Tr	4.7
	Catterick ... 175	1005.7	+14	SSE	1	bc	47	85	7	1	1	4000	1008.6	+18	S	1	bc	47	76	7	5	4	2-3	7-8	2500	1008.6	+18	S	1	bc	47	76	7	5	4	2-3	7-8	2500	53	45	36	Tr	Tr	5.4	
	Tynemouth ... 108	1004.1	+16	W	2	bc	46	85	6	1	1	4000	1008.2	+24	WSW	2	bc	47	85	6	8	3	4-6	4-6	1500	1008.2	+24	WSW	2	bc	47	85	6	8	3	4-6	4-6	150</							

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 11th November 1939.
No. 28478

OBSERVATIONS at 13h. G.M.T. 10th November

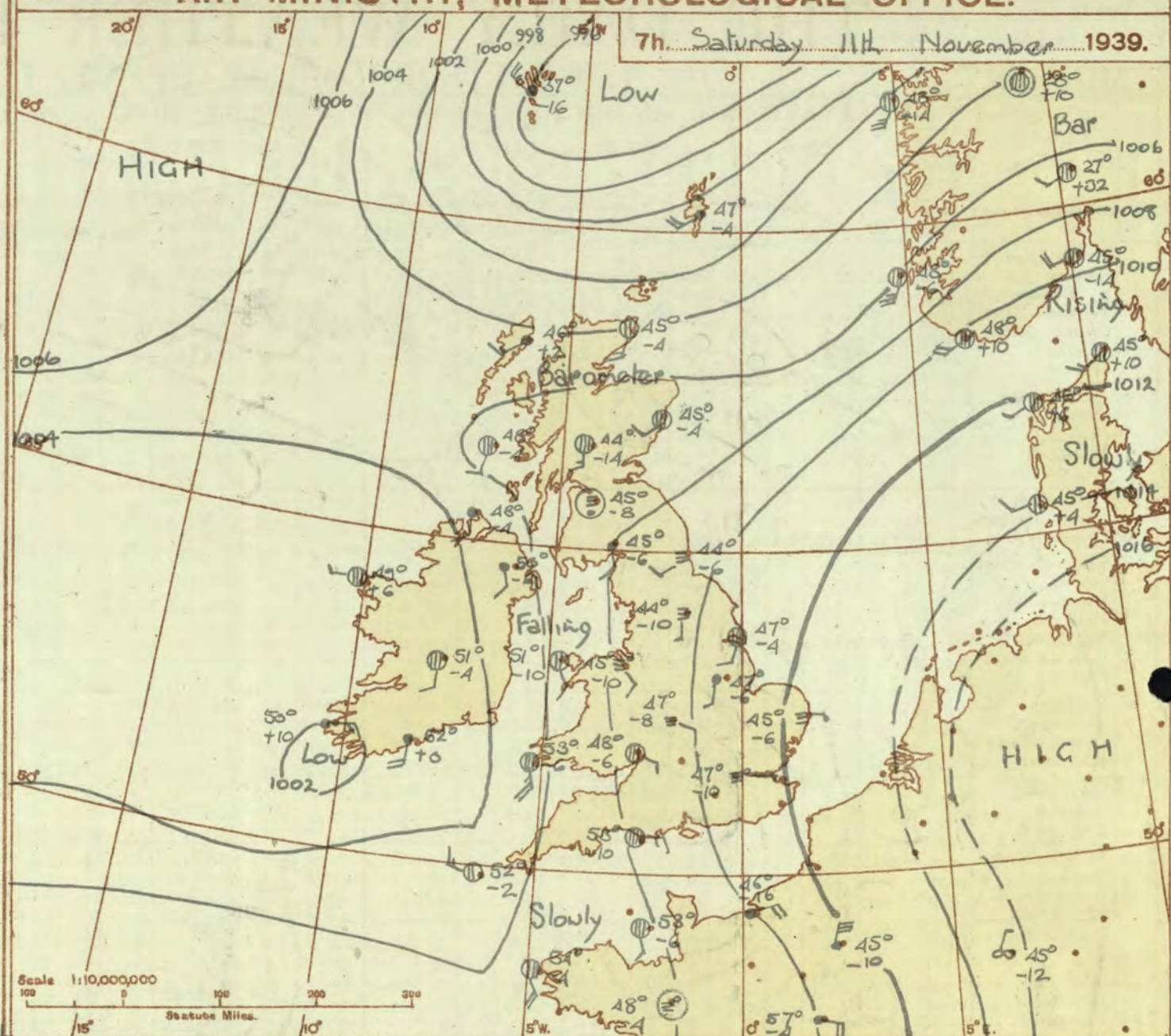
OBSERVATIONS at 18h. G.M.T. 10th November

PAST 24 HOURS.

OBSERVATIONS at 10h. G.M.T.														OBSERVATIONS at 10h. G.M.T.														OBSERVATIONS at 10h. G.M.T.														OBSERVATIONS at 10h. G.M.T.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	P. Visibility. (8)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	P. Visibility. (22)	Cloud.			Barom. at M.S.L. mb. (29)	Change in 8 hours. (30)	Wind.		Weather. (33)	Temp. °F. (34)	Humid. % (35)	P. Visibility. (36)	Cloud.			Barom. at M.S.L. mb. (40)	Change in 8 hours. (41)	Wind.		Weather. (43)	Temp. °F. (44)	Humid. % (45)	P. Visibility. (46)	Cloud.			Barom. at M.S.L. mb. (50)	Change in 8 hours. (51)	Wind.		Weather. (53)	Temp. °F. (54)	Humid. % (55)	P. Visibility. (56)	Cloud.			Barom. at M.S.L. mb. (60)	Change in 8 hours. (61)	Wind.		Weather. (63)	Temp. °F. (64)	Humid. % (65)	P. Visibility. (66)	Cloud.			Barom. at M.S.L. mb. (70)	Change in 8 hours. (71)	Wind.		Weather. (73)	Temp. °F. (74)	Humid. % (75)	P. Visibility. (76)	Cloud.			Barom. at M.S.L. mb. (80)	Change in 8 hours. (81)	Wind.		Weather. (83)	Temp. °F. (84)	Humid. % (85)	P. Visibility. (86)	Cloud.			Barom. at M.S.L. mb. (90)	Change in 8 hours. (91)	Wind.		Weather. (93)	Temp. °F. (94)	Humid. % (95)	P. Visibility. (96)	Cloud.			Barom. at M.S.L. mb. (100)	Change in 8 hours. (101)	Wind.		Weather. (103)	Temp. °F. (104)	Humid. % (105)	P. Visibility. (106)	Cloud.			Barom. at M.S.L. mb. (110)	Change in 8 hours. (111)	Wind.		Weather. (113)	Temp. °F. (114)	Humid. % (115)	P. Visibility. (116)	Cloud.			Barom. at M.S.L. mb. (120)	Change in 8 hours. (121)	Wind.		Weather. (123)	Temp. °F. (124)	Humid. % (125)	P. Visibility. (126)	Cloud.			Barom. at M.S.L. mb. (130)	Change in 8 hours. (131)	Wind.		Weather. (133)	Temp. °F. (134)	Humid. % (135)	P. Visibility. (136)	Cloud.			Barom. at M.S.L. mb. (140)	Change in 8 hours. (141)	Wind.		Weather. (143)	Temp. °F. (144)	Humid. % (145)	P. Visibility. (146)	Cloud.			Barom. at M.S.L. mb. (150)	Change in 8 hours. (151)	Wind.		Weather. (153)	Temp. °F. (154)	Humid. % (155)	P. Visibility. (156)	Cloud.			Barom. at M.S.L. mb. (160)	Change in 8 hours. (161)	Wind.		Weather. (163)	Temp. °F. (164)	Humid. % (165)	P. Visibility. (166)	Cloud.			Barom. at M.S.L. mb. (170)	Change in 8 hours. (171)	Wind.		Weather. (173)	Temp. °F. (174)	Humid. % (175)	P. Visibility. (176)	Cloud.			Barom. at M.S.L. mb. (180)	Change in 8 hours. (181)	Wind.		Weather. (183)	Temp. °F. (184)	Humid. % (185)	P. Visibility. (186)	Cloud.			Barom. at M.S.L. mb. (190)	Change in 8 hours. (191)	Wind.		Weather. (193)	Temp. °F. (194)	Humid. % (195)	P. Visibility. (196)	Cloud.			Barom. at M.S.L. mb. (200)	Change in 8 hours. (201)	Wind.		Weather. (203)	Temp. °F. (204)	Humid. % (205)	P. Visibility. (206)	Cloud.			Barom. at M.S.L. mb. (210)	Change in 8 hours. (211)	Wind.		Weather. (213)	Temp. °F. (214)	Humid. % (215)	P. Visibility. (216)	Cloud.			Barom. at M.S.L. mb. (220)	Change in 8 hours. (221)	Wind.		Weather. (223)	Temp. °F. (224)	Humid. % (225)	P. Visibility. (226)	Cloud.			Barom. at M.S.L. mb. (230)	Change in 8 hours. (231)	Wind.		Weather. (233)	Temp. °F. (234)	Humid. % (235)	P. Visibility. (236)	Cloud.			Barom. at M.S.L. mb. (240)	Change in 8 hours. (241)	Wind.		Weather. (243)	Temp. °F. (244)	Humid. % (245)	P. Visibility. (246)	Cloud.			Barom. at M.S.L. mb. (250)	Change in 8 hours. (251)	Wind.		Weather. (253)	Temp. °F. (254)	Humid. % (255)	P. Visibility. (256)	Cloud.			Barom. at M.S.L. mb. (260)	Change in 8 hours. (261)	Wind.		Weather. (263)	Temp. °F. (264)	Humid. % (265)	P. Visibility. (266)	Cloud.			Barom. at M.S.L. mb. (270)	Change in 8 hours. (271)	Wind.		Weather. (273)	Temp. °F. (274)	Humid. % (275)	P. Visibility. (276)	Cloud.			Barom. at M.S.L. mb. (280)	Change in 8 hours. (281)	Wind.		Weather. (283)	Temp. °F. (284)	Humid. % (285)	P. Visibility. (286)	Cloud.			Barom. at M.S.L. mb. (290)	Change in 8 hours. (291)	Wind.		Weather. (293)	Temp. °F. (294)	Humid. % (295)	P. Visibility. (296)	Cloud.			Barom. at M.S.L. mb. (300)	Change in 8 hours. (301)	Wind.		Weather. (303)	Temp. °F. (304)	Humid. % (305)	P. Visibility. (306)	Cloud.			Barom. at M.S.L. mb. (310)	Change in 8 hours. (311)	Wind.		Weather. (313)	Temp. °F. (314)	Humid. % (315)	P. Visibility. (316)	Cloud.			Barom. at M.S.L. mb. (320)	Change in 8 hours. (321)	Wind.		Weather. (323)	Temp. °F. (324)	Humid. % (325)	P. Visibility. (326)	Cloud.			Barom. at M.S.L. mb. (330)	Change in 8 hours. (331)	Wind.		Weather. (333)	Temp. °F. (334)	Humid. % (335)	P. Visibility. (336)	Cloud.			Barom. at M.S.L. mb. (340)	Change in 8 hours. (341)	Wind.		Weather. (343)	Temp. °F. (344)	Humid. % (345)	P. Visibility. (346)	Cloud.			Barom. at M.S.L. mb. (350)	Change in 8 hours. (351)	Wind.		Weather. (353)	Temp. °F. (354)	Humid. % (355)	P. Visibility. (356)	Cloud.			Barom. at M.S.L. mb. (360)	Change in 8 hours. (361)	Wind.		Weather. (363)	Temp. °F. (364)	Humid. % (365)	P. Visibility. (366)	Cloud.			Barom. at M.S.L. mb. (370)	Change in 8 hours. (371)	Wind.		Weather. (373)	Temp. °F. (374)	Humid. % (375)	P. Visibility. (376)	Cloud.			Barom. at M.S.L. mb. (380)	Change in 8 hours. (381)	Wind.		Weather. (383)	Temp. °F. (384)	Humid. % (385)	P. Visibility. (386)	Cloud.			Barom. at M.S.L. mb. (390)	Change in 8 hours. (391)	Wind.		Weather. (393)	Temp. °F. (394)	Humid. % (395)	P. Visibility. (396)	Cloud.			Barom. at M.S.L. mb. (400)	Change in 8 hours. (401)	Wind.		Weather. (403)	Temp. °F. (404)	Humid. % (405)	P. Visibility. (406)	Cloud.			Barom. at M.S.L. mb. (410)	Change in 8 hours. (411)	Wind.		Weather. (413)	Temp. °F. (414)	Humid. % (415)	P. Visibility. (416)	Cloud.			Barom. at M.S.L. mb. (420)	Change in 8 hours. (421)	Wind.		Weather. (423)	Temp. °F. (424)	Humid. % (425)	P. Visibility. (426)	Cloud.			Barom. at M.S.L. mb. (430)	Change in 8 hours. (431)	Wind.		Weather. (433)	Temp. °F. (434)	Humid. % (435)	P. Visibility. (436)	Cloud.			Barom. at M.S.L. mb. (440)	Change in 8 hours. (441)	Wind.		Weather. (443)	Temp. °F. (444)	Humid. % (445)	P. Visibility. (446)	Cloud.			Barom. at M.S.L. mb. (450)	Change in 8 hours. (451)	Wind.		Weather. (453)	Temp. °F. (454)	Humid. % (455)	P. Visibility. (456)	Cloud.			Barom. at M.S.L. mb. (460)	Change in 8 hours. (461)	Wind.		Weather. (463)	Temp. °F. (464)	Humid. % (465)	P. Visibility. (466)	Cloud.			Barom. at M.S.L. mb. (470)	Change in 8 hours. (471)	Wind.		Weather. (473)	Temp. °F. (474)	Humid. % (475)	P. Visibility. (476)	Cloud.			Barom. at M.S.L. mb. (480)	Change in 8 hours. (481)	Wind.		Weather. (483)	Temp. °F. (484)	Humid. % (485)	P. Visibility. (486)	Cloud.			Barom. at M.S.L. mb. (490)	Change in 8 hours. (491)	Wind.		Weather. (493)	Temp. °F. (494)	Humid. % (495)	P. Visibility. (496)	Cloud.			Barom. at M.S.L. mb. (500)	Change in 8 hours. (501)	Wind.		Weather. (503)	Temp. °F. (504)	Humid. % (505)	P. Visibility. (506)	Cloud.			Barom. at M.S.L. mb. (510)	Change in 8 hours. (511)	Wind.		Weather. (513)	Temp. °F. (514)	Humid. % (515)	P. Visibility. (516)	Cloud.			Barom. at M.S.L. mb. (520)	Change in 8 hours. (521)	Wind.		Weather. (523)	Temp. °F. (524)	Humid. % (525)	P. Visibility. (526)	Cloud.			Barom. at M.S.L. mb. (530)	Change in 8 hours. (531)	Wind.		Weather. (533)	Temp. °F. (534)	Humid. % (535)	P. Visibility. (536)	Cloud.			Barom. at M.S.L. mb. (540)	Change in 8 hours. (541)	Wind.		Weather. (543)	Temp. °F. (544)	Humid. % (545)	P. Visibility. (546)	Cloud.			Barom. at M.S.L. mb. (550)	Change in 8 hours. (551)	Wind.		Weather. (553)	Temp. °F. (554)	Humid. % (555)	P. Visibility. (556)	Cloud.			Barom. at M.S.L. mb. (560)	Change in 8 hours. (561)	Wind.		Weather. (563)	Temp. °F. (564)	Humid. % (565)	P. Visibility. (566)	Cloud.			Barom. at M.S.L. mb. (570)	Change in 8 hours. (571)	Wind.		Weather. (573)	Temp. °F. (574)	Humid. % (575)	P. Visibility. (576)	Cloud.			Barom. at M.S.L. mb. (580)	Change in 8 hours. (581)	Wind.		Weather. (583)	Temp. °F. (584)	Humid. % (585)	P. Visibility. (586)	Cloud.			Barom. at M.S.L. mb. (590)	Change in 8 hours. (591)	Wind.		Weather. (593)	Temp. °F. (594)	Humid. % (595)	P. Visibility. (596)	Cloud.			Barom. at M.S.L. mb. (600)	Change in 8 hours. (601)	Wind.		Weather. (603)	Temp. °F. (604)	Humid. % (605)	P. Visibility. (606)	Cloud.			Barom. at M.S.L. mb. (610)	Change in 8 hours. (611)	Wind.		Weather. (613)	Temp. °F. (614)	Humid. % (615)	P. Visibility. (616)	Cloud.			Barom. at M.S.L. mb. (620)	Change in 8 hours. (621)	Wind.		Weather. (623)	Temp. °F. (624)	Humid. % (625)	P. Visibility. (626)	Cloud.			Barom. at M.S.L. mb. (630)	Change in 8 hours. (631)	Wind.		Weather. (633)	Temp. °F. (634)	Humid. % (635)	P. Visibility. (636)	Cloud.			Barom. at M.S.L. mb. (640)	Change in 8 hours. (641)	Wind.		Weather. (643)	Temp. °F. (644)	Humid. % (645)	P. Visibility. (646)	Cloud.			Barom. at M.S.L. mb. (650)	Change in 8 hours. (651)	Wind.		Weather. (653)	Temp. °F. (654)	Humid. % (655)	P. Visibility. (656)	Cloud.			Barom. at M.S.L. mb. (660)	Change in 8 hours. (661)	Wind.		Weather. (663)	Temp. °F. (664)	Humid. % (665)	P. Visibility. (666)	Cloud.			Barom. at M.S.L. mb. (670)	Change in 8 hours. (671)	Wind.		Weather. (673)	Temp. °F. (674)	Humid. % (675)	P. Visibility. (676)	Cloud.			Barom. at M.S.L. mb. (680)	Change in 8 hours. (681)	Wind.		Weather. (683)	Temp. °F. (684)	Humid. % (685)	P. Visibility. (686)	Cloud.			Barom. at M.S.L. mb. (690)	Change in 8 hours. (691)	Wind.		Weather. (693)	Temp. °F. (694)	Humid. % (695)	P. Visibility. (696)	Cloud.			Barom. at M.S.L. mb. (700)	Change in 8 hours. (701)	Wind.		Weather. (703)	Temp. °F. (704)	Humid. % (705)	P. Visibility. (706)	Cloud.			Barom. at M.S.L. mb. (710)	Change in 8 hours. (711)	Wind.		Weather. (713)	Temp. °F. (714)	Humid. % (715)	P. Visibility. (716)	Cloud.			Barom. at M.S.L. mb. (720)	Change in 8 hours. (721)	Wind.		Weather. (723)	Temp. °F. (724)	Humid. % (725)	P. Visibility. (726)	Cloud.			Barom. at M.S.L. mb. (730)	Change in 8 hours. (731)	Wind.		Weather. (733)	Temp. °F. (734)	Humid. % (735)	P. Visibility. (736)	Cloud.			Barom. at M.S.L. mb. (740)	Change in 8 hours. (741)	Wind.		Weather. (743)	Temp. °F. (744)	Humid. % (745)	P. Visibility. (746)	Cloud.			Barom. at M.S.L. mb. (750)	Change in 8 hours. (751)	Wind.		Weather. (753)	Temp. °F. (754)	Humid. % (755)	P. Visibility. (756)	Cloud.			Barom. at M.S.L. mb. (760)	Change in 8 hours. (761)	Wind.		Weather. (763)	Temp. °F. (764)	Humid. % (765)	P. Visibility. (766)	Cloud.			Barom. at M.S.L. mb. (770)	Change in 8 hours. (771)	Wind.		Weather. (773)	Temp. °F. (774)	Humid. % (775)	P. Visibility. (776)	Cloud.			Barom. at M.S.L. mb. (780)	Change in 8 hours. (781)	Wind.		Weather. (783)	Temp. °F. (784)	Humid. % (785)	P. Visibility. (786)	Cloud.			Barom. at M.S.L. mb. (790)	Change in 8 hours. (791)	Wind.		Weather. (793)	Temp. °F. (794)	Humid. % (795)	P. Visibility. (796)	Cloud.			Barom. at M.S.L. mb. (800)	Change in 8 hours. (801)	Wind.		Weather. (803)	Temp. °F. (804)	Humid. % (805)	P. Visibility. (806)	Cloud.			Barom. at M.S.L. mb. (810)	Change in 8 hours. (811)	Wind.		Weather. (813)	Temp. °F. (814)	Humid. % (815)	P. Visibility. (816)	Cloud.			Barom. at M.S.L. mb. (820)	Change in 8 hours. (821)	Wind.		Weather. (823)	Temp. °F. (824)	Humid. % (825)	P. Visibility. (826)	Cloud.			Barom. at M.S.L. mb. (830)	Change in 8 hours. (831)	Wind.		Weather. (833)	Temp. °F. (834)	Humid. % (835)	P. Visibility. (836)	Cloud.			Barom. at M.S.L. mb. (840)	Change in 8 hours. (841)	Wind.		Weather. (843)	Temp. °F. (844)	Humid. % (845)	P. Visibility. (846)	Cloud.			Barom. at M.S.L. mb. (850)	Change in 8 hours. (851)	Wind.		Weather. (853)	Temp. °F. (854)	Humid. % (855)	P. Visibility. (856)

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th. Saturday 11th. November 1939.



DISTRICTS.

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

1 S.E. England	Wind mainly southeasterly, light or moderate. Cloudy, occasional rain and mist. 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	
11 S.E. Scotland	Wind variable between southwest and northwest, fresh at times in the north. Occasional rain. Average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind variable, light or moderate. Cloudy, occasional rain. Mild.
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 trough of low pressure extends from Ireland to Southwest France and is moving slowly eastwards. A depression near Shetland is moving eastwards and pressure is high over Central Europe. The weather will be generally unsettled with occasional rain in all districts.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 0930 G.M.T.

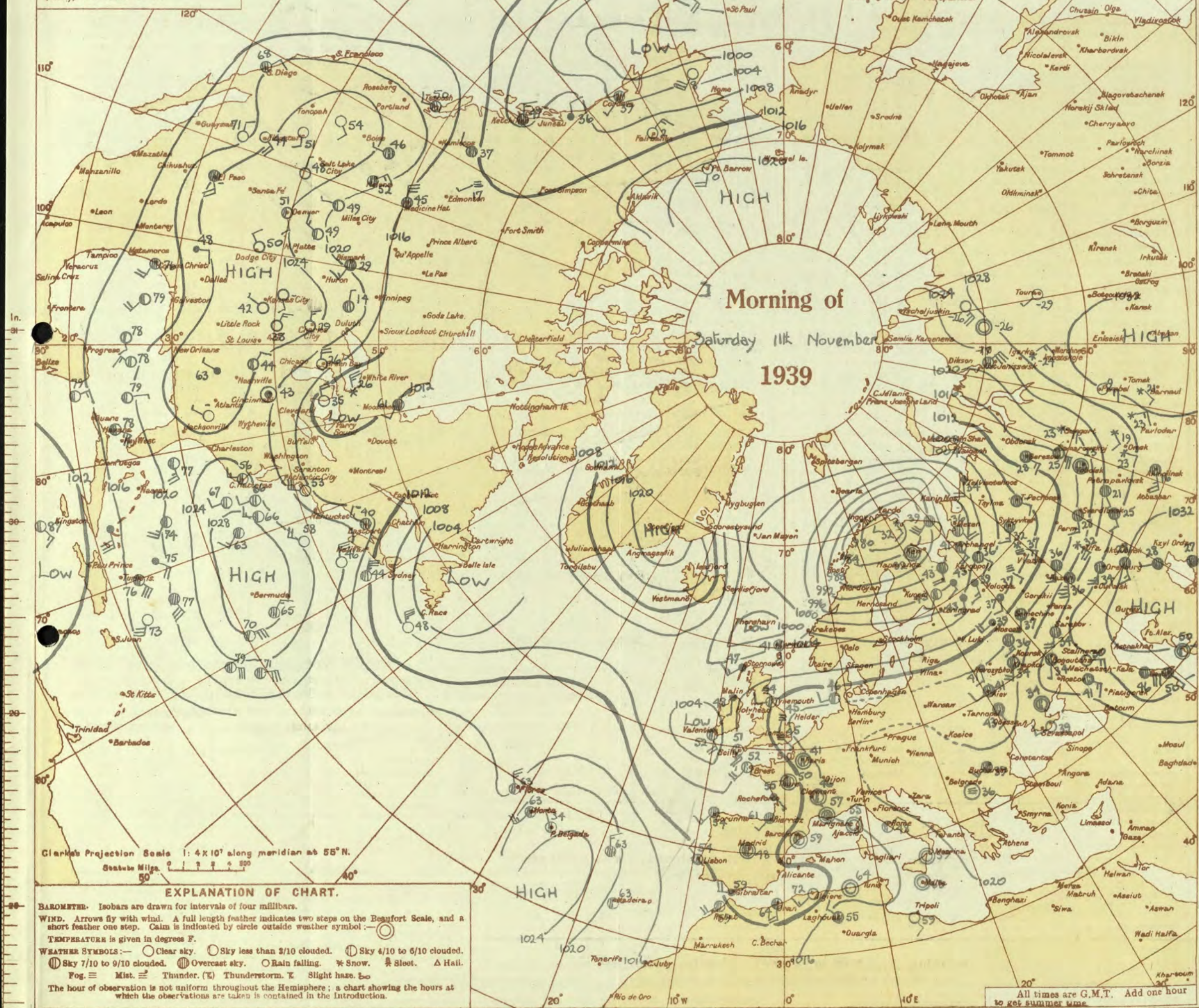
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.W.S.O. Press, Cornwall House, S.E.4.

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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
Saturday 11th November 1930.
No. 28478

OBSERVATIONS at 1 hr. G.M.T. 11th November														OBSERVATIONS at 7 hr. G.M.T. 11th November														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUN-SHINE 10h. Hrs.		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. or Grass °F.			Day 7h-18h mm.	Night 18h-7h mm.						
																																Low.	Med.	High.		Low.	Med.
1	London (Kew) ... 18	1013.5	-4	SE	1	bc	43	37	3	-	-	-	-	1011.2	-10	ENE	1	f	48	37	2	-	-	-	-	-	54	41	34	0.2	0.1	2.2					
	Croydon ... 217	1013.5	-4	SE	1	bc	43	37	2	-	-	-	-	1011.6	-10	E	1	f	47	37	4	-	-	-	-	-	57	42	36	0.3	Tr	1.7					
	S. Farnborough ... 226	1013.2	-4	SSE	1	bc	46	37	2	-	-	-	-	1010.7	-6	E	2	f	45	37	1	-	-	-	-	-	57	44	37	0.1	0.1	2.1					
	Boscombe Down ... 417	1012.3	-10	SE	2	f	46	37	1	-	-	-	-	1003.5	-10	ESE	2	f	46	37	2	-	-	-	-	-	55	44	42	0.1	0.1	3.1					
	Calshot (St. Mary's) ... 8	1012.8	-6	E	2	bc	49	37	3	-	-	-	-	1003.7	-10	ENE	3	of	49	37	3	-	-	-	-	-	56	47	44	3	0.1	2.3					
	Lymington ... 346	1014.3	-6	SE	2	bc	47	37	7	-	-	-	-	1012.6	-6	ESE	3	c	48	32	6	-	-	-	-	-	56	(47)	35	0.3	0.3	2.4					
	Manston ... 154	1014.2	-6	SE	2	bc	47	37	5	-	-	-	-	1012.1	-6	SE	3	z	48	37	6	-	-	-	-	-	57	44	34	0.1	0.1	3.8					
2	Shoeburyness ... 11	1015.2	0	S	1	z	48	37	6	-	-	-	-	1013.6	-14	SE	1	m	45	37	4	-	-	-	-	-	56	44	30	Tr	-	2.8					
	Felixstowe ... 15	1015.2	0	S	1	z	48	37	6	-	-	-	-	1012.1	-10	0	cf	46	37	2	-	-	-	-	-	-	56	41	36	-	-	2.7					
	Gorleston ... 5	1014.0	0	SSW	2	bc	46	37	6	-	-	-	-	1012.4	-6	ESE	1	f	45	37	2	-	-	-	-	-	51	44	43	-	-	1.3					
	Mildenhall ... 19	1013.5	-2	S	2	F	47	37	1	-	-	-	-	1011.8	-6	ESE	1	f	45	37	1	-	-	-	-	-	55	42	36	-	-	3.6					
	Cranwell ... 240	1012.7	-2	S	1	cf	44	37	3	-	-	-	-	1011.3	-6	S	1	id	47	37	4	-	-	-	-	-	57	42	38	Tr	Tr	0.1					
3	Birmingham ... 535	1013.6	+2	S	1	f	47	37	3	-	-	-	-	1003.3	-8	SE	2	of	47	37	3	-	-	-	-	-	54	44	32	-	-	1.4					
	Upper Heyford ... 408	1013.6	+2	S	1	f	47	37	3	-	-	-	-	1011.2	-10	0	of	47	37	3	-	-	-	-	-	-	54	44	32	-	-	1.4					
4	Ross-on-Wye ... 223	1013.6	+2	S	1	f	47	37	3	-	-	-	-	1003.7	-6	SE	2	c	48	32	7	-	-	-	-	-	56	46	41	-	-	6.3					
5	Hartland Point ... 299	1008.6	-10	SE	3	c	52	85	8	-	-	-	-	1006.3	0	SE	2	PR	50	37	8	-	-	-	-	-	56	50	46	-	-	3.2					
	Bristol ... 209	1011.8	-2	SSE	2	bc	48	32	6	-	-	-	-	1003.8	-2	SE	3	z	48	37	6	-	-	-	-	-	56	46	38	-	-	3.8					
	Portland Bill ... 32	1012.5	-16	SE	3	bc	53	85	8	-	-	-	-	1003.2	-10	E	3	c	53	32	7	-	-	-	-	-	57	52	51	3	3	5.2					
	Plymouth ... 82	1010.1	-8	SE	3	c	54	32	7	-	-	-	-	1006.9	-8	SE	2	c	54	32	7	-	-	-	-	-	58	51	51	3	3	4.1					
	The Lizard ... 240	1008.8	-6	S	4	c	51	37	7	-	-	-	-	1006.0	-16	SSE	3	pr	53	32	7	-	-	-	-	-	58	51	51	3	3	4.5					
	Scilly (St. Mary's) ... 163	1007.0	-10	SSE	5	bc	51	37	7	-	-	-	-	1004.8	-2	WN	3	bc	52	37	7	-	-	-	-	-	56	51	44	-	-	2.4					
	Guernsey ... 175	1010.5	-16	ESE	1	b	51	32	7	-	-	-	-	1007.7	-6	SSE	1	c	53	37	7	-	-	-	-	-	58	51	44	-	-	1.1					
6	Pembroke ... 142	1008.3	-4	SE	5	bc	53	32	8	-	-	-	-	1005.8	-6	SE	5	c	53	32	8	-	-	-	-	-	58	52	46	2	0.1	4.2					
7	Holyhead ... 26	1008.6	-6	SSE	4	c	51	32	7	-	-	-	-	1006.7	-10	SSE	2	bc	51	32	8	-	-	-	-	-	54	44	37	0.6	0.5	4.0					
	Chester (Sealand) ... 16	1011.1	-2	SEE	2	cf	45	32	2	-	-	-	-	1003.1	-10	SE	2	m	45	37	4	-	-	-	-	-	52	42	34	1	1	4.4					
8	Manchester ... 70	1011.3	-2	SE	1	m	47	32	4	-	-	-	-	1003.6	-6	E	1	z	48	32	5	-	-	-	-	-	52	42	34	1	1	3.8					
10	Spurn Head ... 29	1012.3	-2	S	1	bc	45	37	3	-	-	-	-	1011.3	-4	SSW	2	m	47	37	4	-	-	-	-	-	51	44	32	Tr	Tr	4.2					
	Catterick ... 175	1011.3	-6	SW	1	f	42	37	1	-	-	-	-	1003.6	-10	S	1	f	44	37	2	-	-	-	-	-	53	32	37	-	-	*					
	Tynemouth ... 108	1001.7	-2	W	2	bc	44	35	5	-	-	-	-	1003.5	-6	SW	2	f	44	37	2	-	-	-	-	-	53	42	37	-	-	*					
11	St. Abbs Head ... 280	1008.8	-4	WSW	4	bc	44	32	8	-	-	-	-	1006.3	-4	SW	4	pr	47	32	7	-	-	-	-	-	50	41	31	Tr	Tr	0.1					
	Leuchars ... 36	1008.6	-2	S	1	z	40	32	6	-	-	-	-	1006.7	-8	0	ro	44	37	5	-	-	-	-	-	-	53	38	33	Tr	Tr	2.2					
12	Benfrew (Abbots L.) ... 19	1003.2	-6	0	0	cf	42	37	3	-	-	-	-	1006.3	-8	0	ro	45	37	2	-	-	-	-	-	-	53	38	33	Tr	Tr	2.0					
	Eskdalemuir ... 794	1003.2	-6	0	0	cf	42	37	3	-	-	-	-	1007.5	-6	SE	2	pr	45	37	4	-	-	-	-	-	49	40	35	0.3	8	5.6					
	Point of Ayre ... 30	1003.1	-2	SSW	3	bc	51	37	7	-	-	-	-	1007.0	-4	SSW	3	c	51	37	7	-	-	-	-	-	57	45	45	-	-	1.0					
13A	Tiree ... 22	1004.6	0	SW	3	ro	47	32	7	-	-	-	-	1004.3	-4	SSW	2	c	48	37	7	-	-	-	-	-	52	40	37	0.6	3	1.0					
13B	Stornoway ... 80	1004.6	0	SW	3	ro	47	32	7	-	-	-	-	1004.4	+2	SW	3	ro	46	32	6	-	-	-	-	-	50	46	46	0.4	3	1.1					
15	Dalwhinnie ... 1176	1006.3	-14	S	3	c	44	35	6	-	-	-	-	1006.3	-14	S	3	c	44	35	6	-	-	-	-	-	45	40	39	0.2	-	0.0					
	Aberdeen ... 79	1006.4	-4	SW	2	c	43	35	6	-	-	-	-	1006.4	-4	SW	2	c	43	35	6	-	-	-	-	-	49	40	30	-	-	0.0					
	Wick ... 81	1004.3	-2	SSW	3	c	44	37	7	-	-	-	-	1003.6	-4	SSW	3	bc	45	37	8	-	-	-	-	-	50	43	43	0.6	-	3.0					
16	Lerwick ... 156	1003.1	-18	SW	3	pr	45	32	7	-	-	-	-	1000.0	-4	SW	4	pr	47	35	8	-	-	-	-	-	48	40	40	1	2	3.0					
17	Blackod Point ... 18	1004.0	-12	SE	1	ro	49	37	7	-	-	-	-	1003.9	+6	W	1	c	49	37	7	-	-	-	-	-	52	45	45	-	-	3.0					
18	Malin Head ... 84	1006.6	-4	S	1	ro	48	32	6	-	-	-	-	1004.5	-4	S	2	ro	48	32	7	-	-	-	-	-	51	44	44	-	-	6.0					
	Aldergrove ... 268	1007.4	-8	SSE	2	ro	49	32	6	-	-	-	-	1005.3	-6	SSE	2	ro	50	37	6	-	-	-	-	-	54	43	43	-	-	4.0					
19	Birr Castle ... 173	1004.8	-10	S	3	pr	51	32	7	-	-	-	-	1003.7	-4	S	2	pr	51	32	7	-	-	-	-	-	49	49	49	-	-	2.2					
20	Valentia Obsy. ... 30	1002.3	-8	SE	4	bc	52	32	7	-	-	-	-	1002.0	+10	EN	3	id	50	32	8	-	-	-	-	-	54	50	44	3	2	0.0					
	Roghes Point ... 22	1004.2	-12	SE	6	c	53	37	8	-	-	-	-	1002.8	0	S	4	ir	52	37	8	-	-	-	-	-	55	52	51	1	4	*					

LONDON OBSERVATIONS		
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EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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). ♀gale.
⊕ Solar halo. ☾ lunar halo. ☽Aurora.

With present weather is combined,
whenever possible, the general
character of the weather.

A "solidus" divides actual exist-
ing weather from preceding con-
ditions thus:—bc/r, fair weather
after rain; —, has decreased;
+, has increased.

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

Columns 12, 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.

‡ Sea disturbance reported from Dungeness.

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

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

- 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 Cc predominating, and a little cirrus.

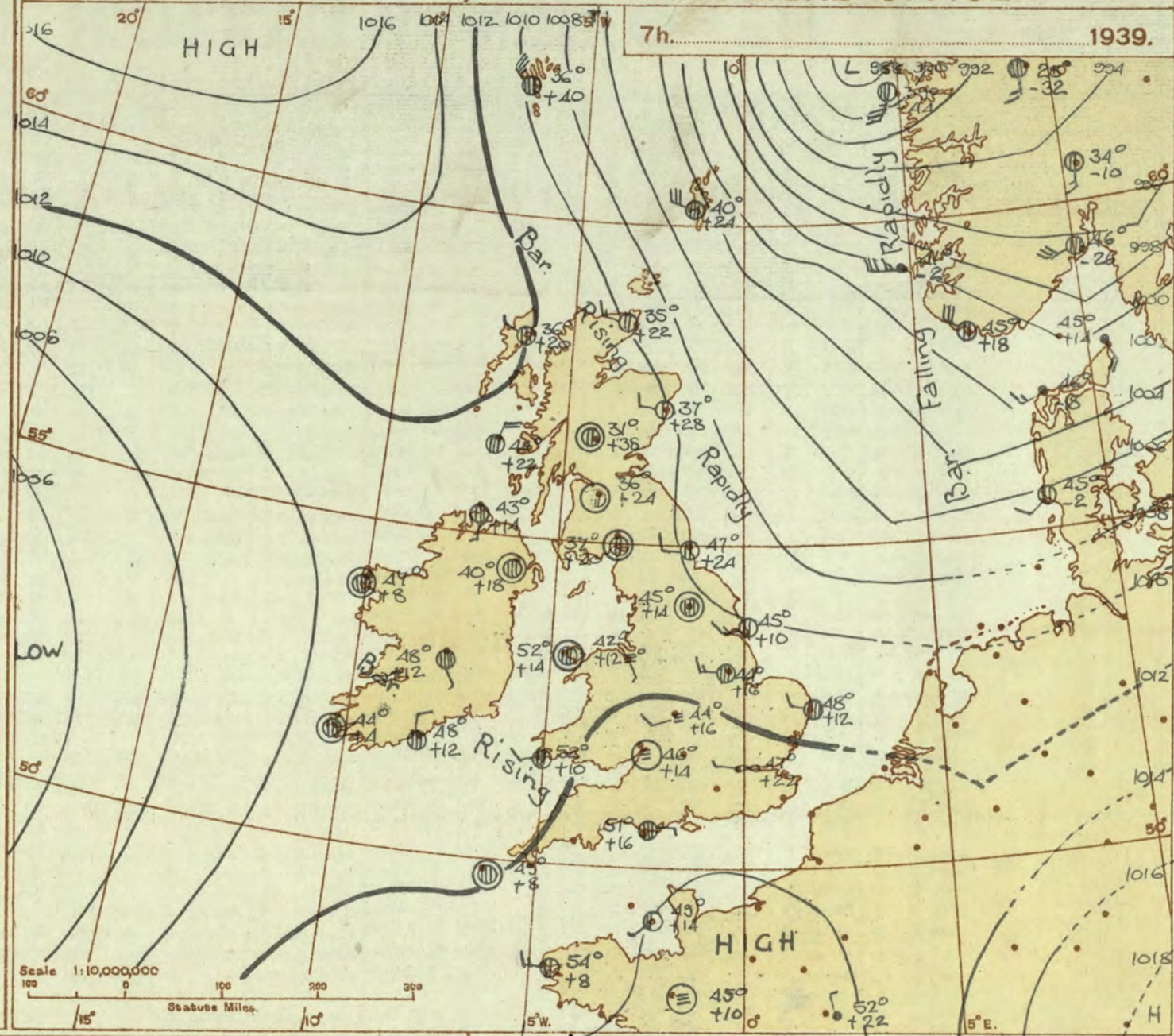
(Cc may occur with any of the types 1 to 8).

COLUMN 29.—STATE OF GROUND

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th November, 1939
1 S.E. England	Light variable winds, fair today apart from fog locally; widespread fog at night; average temperature.
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.	Light or moderate northwest wind; fair; rather cold with frost at night.
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Light variable wind, becoming southeast and freshening; fair today some rain 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.

Pressure is almost uniform over the British Isles, but a depression advancing from the Atlantic will cause freshening southeasterly winds in the west and some rain tomorrow. Widespread fog will occur at night.

FURTHER OUTLOOK.

Unsettled with south-easterly winds in the South;
doubtful elsewhere.

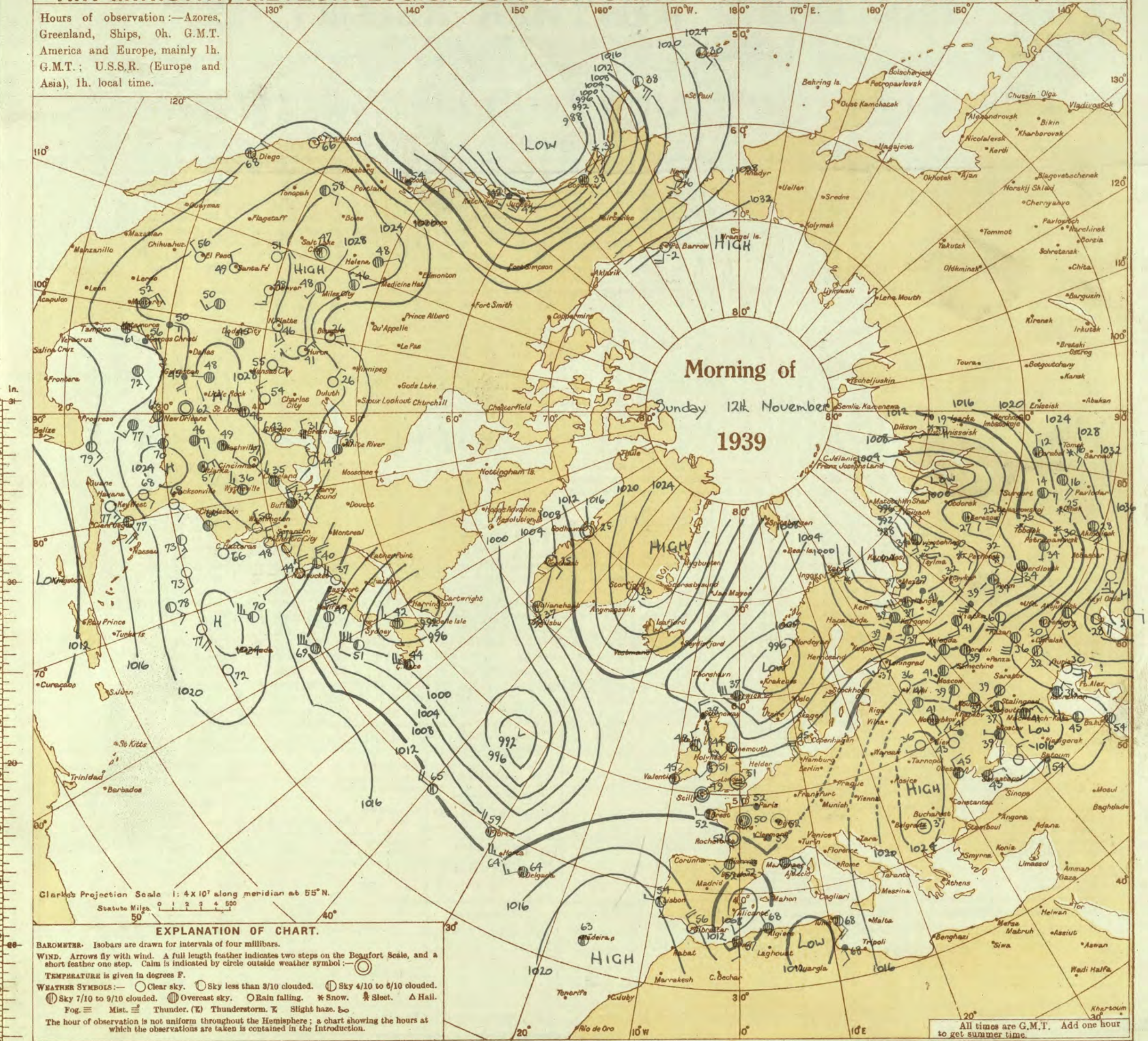
Forecasts issued at 1000 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1.

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

G. 472/3777. Wc. 8109. D. 4626 Gp. 349. 24300. 11/29

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 12th November 1939.

No. 28,479

OBSERVATIONS at 1 hr. G.M.T. 12th November

OBSERVATIONS at 7 hr. G.M.T. 12th November

PAST 24 HOURS.

OBSERVATIONS at 7 M. G.M.T.															OBSERVATIONS at 7 M. G.M.T.															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.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.			SUR- FACE WIND Dir. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					Dir.	Force. 0-12 (4)					Low.	Med.	High (11)	Low 0-10 (12)			Total 0-10 (13)	Height of Base (feet) (14)					Dir.	Force 0-12 (18)	Low.	Med.			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. or Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Monday 13th November 1939.
No. 28480.

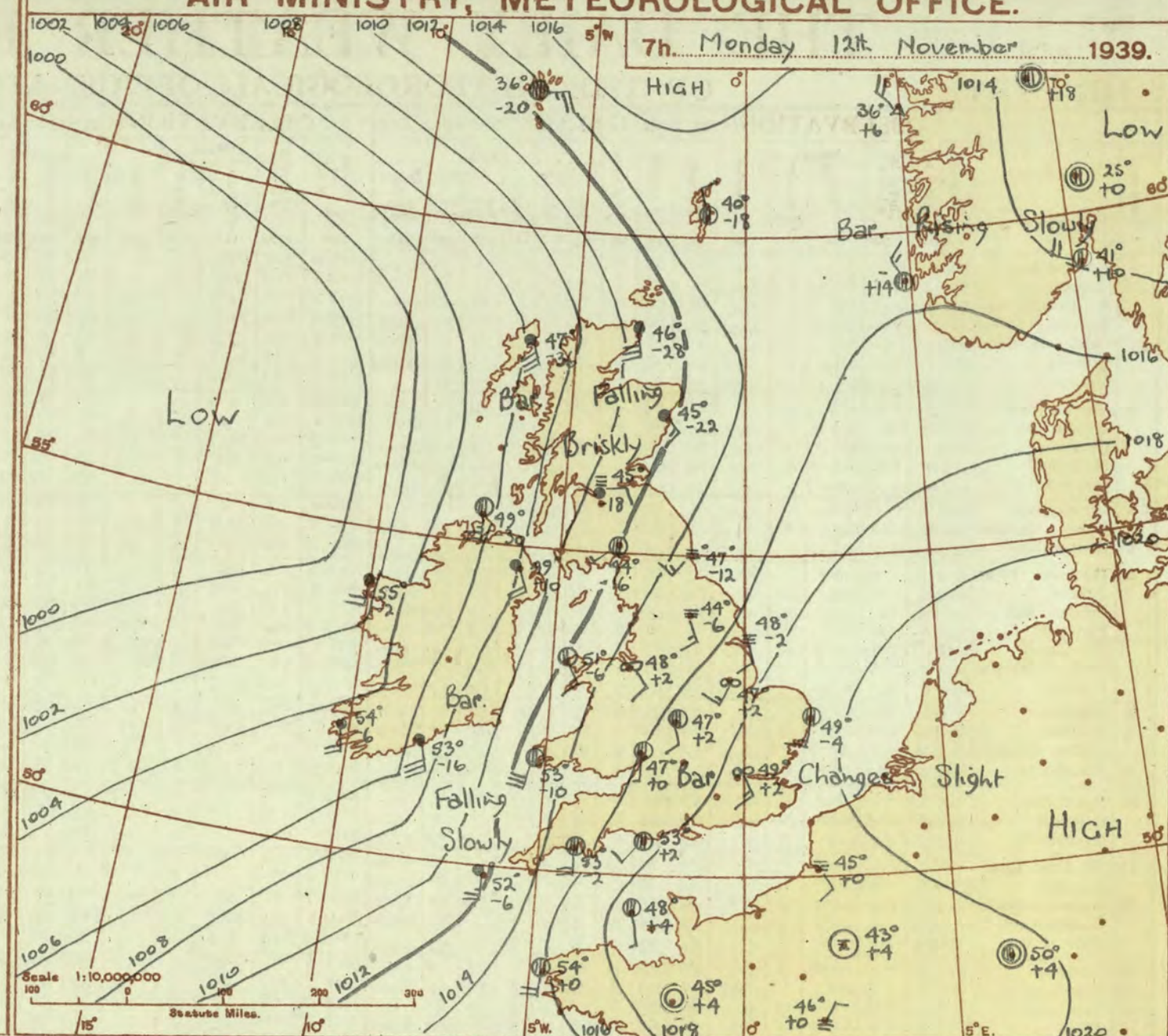
OBSERVATIONS at 13h. G.M.T. 12th November.														OBSERVATIONS at 18h. G.M.T. 12th November.														PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.			
				Dir.	Force. 0-12 (4)					Form.	Amount. 0-10 (13)	Height of Base. (feet) (14)	Form.	Amount. 0-10 (26)			Height of Base. (feet) (28)	7h.—13h. 12th (37)					13h.—18h. 12th (38)	18h.—1st 13th (39)	1st.—7h. 13th (40)								
1	London (Kew)...	1016.7	+10	S	2	20	50	92	5	5	-	-	10	1500	1018.0	+14	SW	1	m	50	92	4	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Croydon ...	1016.6	+12	SW	1	20	50	92	5	5	-	-	10	1500	1018.1	+14	SE	1	m	51	97	4	5	-	-	10	1500	1	*	cm	cm	cm	cm
	S. Farnborough	1016.4	+6	SE	2	20	51	92	6	5	-	-	10	1500	1017.9	+12	SE	1	20	51	97	6	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Boscombe Down	1016.2	+6	SSE	1	20	50	97	6	5	-	-	10	1500	1017.3	+14	SE	1	10	50	97	4	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Calshot (Soton.)	1016.4	+10	ESE	2	20	51	97	5	5	-	-	10	1500	1017.2	+12	SW	1	20	51	97	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Lymington	1017.1	+10	SSW	2	20	55	75	7	5	-	-	10	1500	1018.9	+14	SW	1	20	47	97	5	5	3	-	10	1500	1	*	cm	cm	cm	cm
	Manston	1016.8	+14	WSW	2	20	57	75	8	3	1	0	9	1500	1018.7	+24	WSW	2	20	46	97	4	5	-	-	10	1500	1	*	cm	cm	cm	cm
2	Shoeburyness ...	1016.5	+14	WS	2	M	53	85	4	5	-	-	10	1500	1017.9	+14	WS	2	20	50	97	4	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Felixstowe ...	1015.6	+14	SW	3	20	54	85	5	1	-	6	7	1500	1017.1	+12	SW	1	20	48	97	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Gorleston ...	1016.1	+16	W	2	20	53	85	6	5	3	1	4	1500	1017.3	+14	SW	1	20	51	85	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Mildenhall ...	1015.7	+14	SW	2	20	50	85	5	5	3	1	2	1500	1017.0	+4	SE	2	20	50	92	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Cranwell	1014.9	+14	WSW	2	20	50	92	5	5	7	2	7	1500	1016.5	+10	-	0	47	97	4	5	-	-	10	1500	1	*	cm	cm	cm	cm	
3	Birmingham	1015.3	+14	SSW	2	20	51	85	5	5	3	6	1	1500	1016.6	+8	S	2	20	50	85	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
	Upper Heyford	1016.2	+14	SSW	2	20	51	92	6	5	-	-	10	1500	1017.3	+8	SE	1	20	48	97	3	5	3	-	10	1500	1	*	cm	cm	cm	cm
4	Ross-on-Wye ...	1014.9	+4	SW	1	20	53	85	6	5	-	-	10	1500	1016.0	+6	S	2	20	52	85	6	5	-	-	10	1500	1	*	cm	cm	cm	cm
5	Hartland Point	1014.3	+10	WSW	3	PR	53	85	8	8	6	-	7	1500	1014.6	+6	SE	2	20	51	92	8	5	2	-	10	1500	1	2	cm	cm	cm	cm
	Bristol ...	1015.6	+2	SSE	2	20	53	85	7	5	-	-	10	1500	1016.4	+12	SW	3	20	51	85	6	5	3	-	10	1500	1	*	cm	cm	cm	cm
	Portland Bill	1015.8	+10	SW	2	20	53	92	8	5	-	-	10	1500	1017.1	+12	SW	2	20	52	92	8	5	-	-	10	1500	1	2	cm	cm	cm	cm
	Plymouth	1014.8	+8	S	1	20	56	85	6	5	3	1	7	1500	1015.1	+6	SW	2	20	52	97	7	8	3	-	10	1500	1	2	cm	cm	cm	cm
	The Lizard	1014.4	+10	SW	2	10	53	97	7	8	2	-	10	1500	1015.1	+10	SW	2	20	51	92	8	8	4	-	10	1500	1	2	cm	cm	cm	cm
	Scilly (St. Mary's)	1014.0	+4	SE	1	20	56	85	8	6	-	-	10	1500	1014.6	+6	SE	2	20	48	97	8	8	4	-	10	1500	1	1	cm	cm	cm	cm
	Guernsey	1015.6	+4	SW	1	20	59	85	3	2	-	-	10	1500	1017.1	+6	SSE	1	20	53	92	8	8	-	-	10	1500	1	2	cm	cm	cm	cm
6	Pembroke	1014.2	+6	SW	2	20	52	92	8	8	-	-	10	1500	1015.3	+6	SW	2	20	50	97	7	8	-	-	10	1500	1	1	cm	cm	cm	cm
7	Holyhead	1013.2	+10	E/N	3	20	52	85	8	7	-	-	10	1500	1014.2	+10	SSE	3	20	52	92	7	8	-	-	10	1500	1	1	cm	cm	cm	cm
	Chester (Sealand)	1014.3	+8	SE	1	20	53	85	6	5	-	-	10	1500	1015.4	+6	SE	1	20	51	85	5	5	-	-	10	1500	1	*	cm	cm	cm	cm
8	Manchester	1014.2	+8	S	2	20	52	85	5	5	-	-	10	1500	1015.8	+10	SE	2	20	50	92	3	5	3	-	10	1500	1	*	cm	cm	cm	cm
10	Spurn Head	1014.4	+8	NW	2	20	49	92	4	-	-	-	10	1500	1016.5	+8	-	0	48	92	3	5	-	-	10	1500	1	0	cm	cm	cm	cm	
	Catterick	1014.9	+14	NNE	2	20	48	85	6	7	-	-	10	1500	1016.9	+12	-	0	46	97	6	5	-	-	10	1500	1	4	cm	cm	cm	cm	
	Tynemouth	1015.2	+12	NE	3	20	48	75	8	8	-	-	10	1500	1017.7	+12	E	2	48	75	8	8	-	-	10	1500	1	1	cm	cm	cm	cm	
11	St. Abbs Head	1015.2	+12	NNE	2	20	45	75	5	8	3	-	10	1500	1017.2	+8	NE	2	44	65	8	5	-	-	10	1500	1	2	cm	cm	cm	cm	
	Leuchars	1015.5	+14	NE	1	20	43	75	8	2	3	6	7	1500	1017.4	+20	-	0	40	85	7	-	7	-	10	1500	1	1	cm	cm	cm	cm	
12	Reutrow (Abbots L.)	1015.1	+10	SE/E	2	20	46	85	5	7	-	-	10	1500	1016.4	+6	W	2	43	85	4	-	7	-	10	1500	1	*	cm	cm	cm	cm	
	Eskdalemuir	1014.8	+16	NE/E	2	20	42	85	8	7	1	-	10	1500	1016.6	+10	NE/E	2	41	85	7	5	-	-	10	1500	1	*	cm	cm	cm	cm	
	Point of Ayre	1014.0	+6	ESE	2	20	50	85	8	2	3	6	7	1500	1014.9	+6	E/S	3	50	85	7	5	1	-	10	1500	1	1	cm	cm	cm	cm	
13A	Three ...	1013.3	+14	NE/E	3	20	45	75	5	5	-	-	10	1500	1013.5	0	ESE	3	46	85	9	5	-	-	10	1500	1	2	cm	cm	cm	cm	
13B	Stornoway	1015.7	+12	NE	1	20	42	92	8	7	8	4	6	1500	1017.1	+10	E	4	45	65	8	5	7	-	10	1500	1	2	cm	cm	cm	cm	
15	Dalwhinnie	1015.8	+20	-	0	20	35	92	8	-	1	7	0	1500	1018.2	+12	W	1	36	85	6	5	3	8	10	1500	1	1	cm	cm	cm	cm	
	Aberdeen	1014.4	+12	N	3	20	44	75	8	5	7	8	2	1500	1017.1	+12	NW	2	39	75	7	5	7	-	10	1500	1	2	cm	cm	cm	cm	
	Wick	1014.4	+12	N	3	20	44	75	8	5	7	8	2	1500	1015.2	+10	NW	4	39	65	8	8	7	-	10	1500	1	*	cm	cm	cm	cm	
16	Lerwick	1011.9	+32	NNW	6	20	42	65	8	8	7	-	10	1500	1015.2	+10	NW	4	39	65	8	8	7	-	10	1500	1	*	cm	cm	cm	cm	
17	Blacksod Point	1010.1	0	SE	3	10	40	92	8	6	-	-	10	1500	1008.8	-10	SE	3	49	97	7	6	-	-	10	1500	1	3	cm	cm	cm	cm	
18	Malin Head	1012.8	+4	SE	2	20	40	75	8	6	-	-	10	1500	1012.4	-4	ESE	3	48	85	7	6	-	-	10	1500	1	2	cm	cm	cm	cm	
	Aldergrove	1013.6	+2	ESE	1	20	40	75	6	-	-	-	10	1500	1013.7	-2	E	3	47	85	6	5	7	-	10	1500	1	*	cm	cm	cm	cm	
19	Birr Castle	1012.4	+4	S	1	20	51	85	7	5	1	-	10	1500	1012.2	+2	SE	1	50	85	7	5	1	-	10	1500	1	2	cm	cm	cm</		

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 12th November 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th November, 1939.
1 S.E. England	Wind southsouthwest, light to moderate; fair most of today, then dull with occasional light rain or drizzle; average temperature becoming rather mild.
2 E. England ...	
3 E. Midlands ...	Wind south, moderate, veering southwest; becoming cloudy or dull with occasional rain; some improvement tomorrow; becoming mild.
4 W. Midlands ...	
5 S.W. England	Wind southerly fresh, strong locally on coast, veering southwest, moderating; dull, rain; brighter intervals tomorrow; mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind southsoutheast, moderate to fresh, strong locally on west coast, veering south; becoming dull, rainy; 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	Wind southeast, fresh or strong; dull; rain at times; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 8 - 13B.
18 N. E. Ireland	
19 S. E. Ireland	Wind veering southwest, moderate or fresh; dull, rain at first; then brighter periods, local showers; mild.
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 on the Continent. A deepening depression to westward of Scotland is moving northwards and an associated trough will move slowly northeast across the country. Weather will be dull and rainy in western and northern districts and generally mild but it will be fair most of the day in the Southeast with an average temperature, but there will be light rain there later.

FURTHER OUTLOOK.

Unsettled and mild especially in the west and North, but only small amounts of rain expected in the Southeast.

Forecasts issued at 1000 G.M.T.

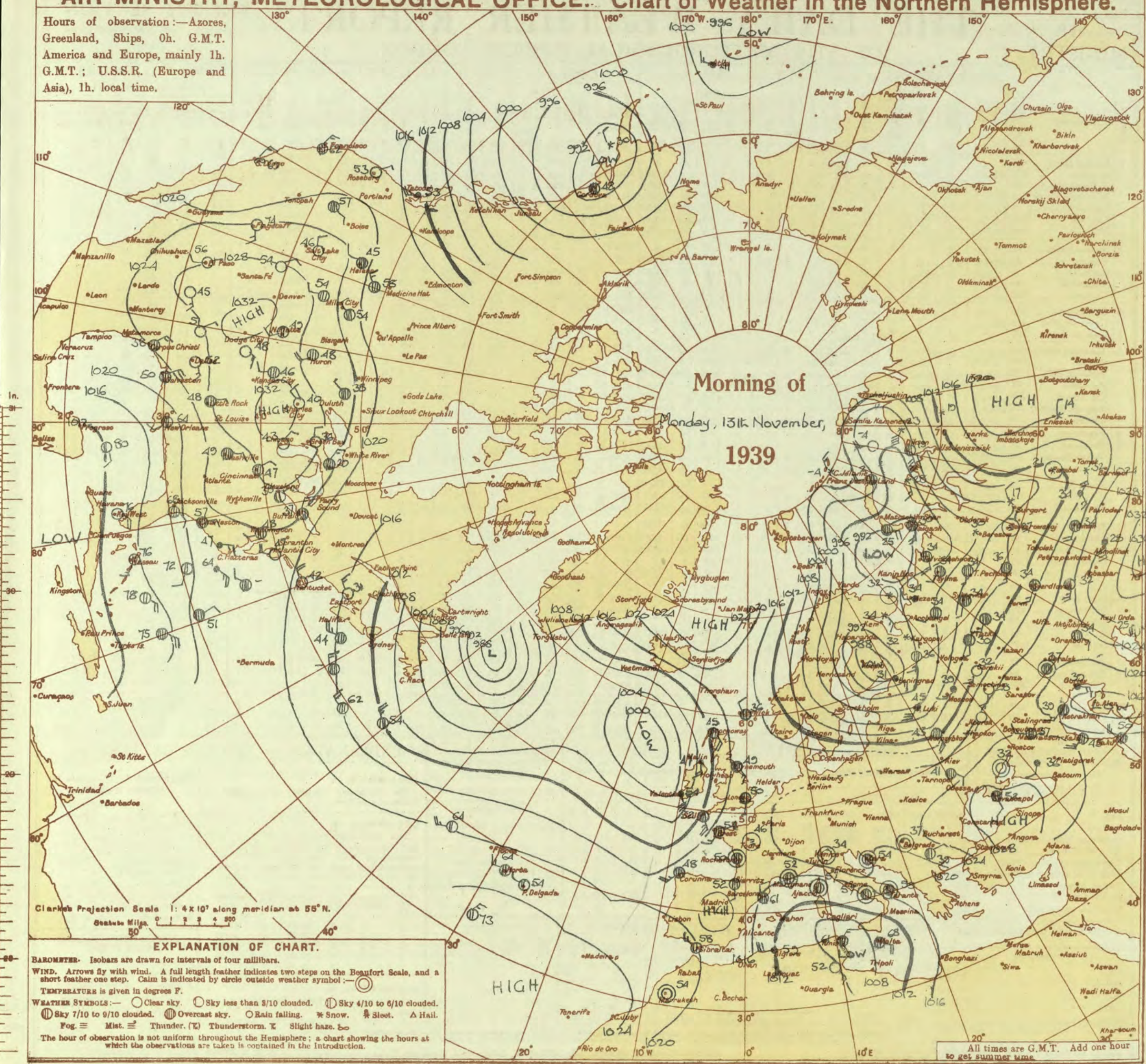
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House & E.I.

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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.



EXPLANATION OF CHART.

BAROMETER. 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.

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. △ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T 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.

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 13th November 1939.

No. 28480

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.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (29)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	TEMPERATURE.				RAINFALL.		Sun-shine 12h.						
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.			Force.	Form.					Amount.	Height of Base (feet).	State of Ground.	Sen. 0-9			Max. Day 7h-15h °F.	Min. Night 15h-7h °F.					Min. of Grass °F.	Day 7h-15h mm.	Night 15h-7h mm.										
																																						0-12	0-10	0-10		0-10	0-10	0-9			
1	London (Kew)	18	1018.5	-2	SW	1	z	50	97	5	-	-	-	1018.2	+4	SSW	2	z	49	97	6	5	-	-	-	1018.3	+2	SSE	3	z	49	97	6	3	4	5	2-3	4-6	2500	1	*	52	47	36	-	-	0.1
	Croydon	217	1018.5	-2	SW	1	z	50	97	5	-	-	-	1018.3	+2	SSE	3	z	49	97	6	3	4	5	2-3	4-6	2500	1	*	51	48	45	-	-	-	-	-	-	-	-	0.0						
	S. Farnborough	226	1018.0	-2	SW	1	z	48	97	6	5	-	-	1017.7	+2	SSE	3	z	48	97	6	3	-	-	-	4-6	4-6	1500	1	*	53	47	41	-	-	-	-	-	-	-	0.2						
	Boscombe Down	417	1017.5	-2	SW	3	d.o.d.	50	97	6	5	-	-	1017.0	+2	S	2	z	49	97	6	5	-	-	-	9+	9+	450	1	*	50	47	45	-	-	-	-	-	-	-	0.0						
	Calshot (St. Mary's)	8	1017.8	-2	SW	3	d.o.d.	51	97	6	5	-	-	1017.6	+2	SE	2	z	50	97	6	5	-	-	-	7-8	7-8	1500	1	*	53	49	48	-	-	-	-	-	-	-	0.7						
	Lymington	346	1015.7	-2	SSW	1	bc	49	97	6	5	-	-	1015.6	+2	SW	2	z	48	97	7	5	-	-	-	9+	9+	1500	1	§2	55	47	37	-	-	-	-	-	-	-	4.2						
	Manston	154	1015.5	0	SW	3	z	49	97	6	5	-	-	1015.3	+4	S	2	z	48	97	5	5	-	-	-	10	10	1500	1	*	59	44	*	-	-	-	-	-	-	-	5.1						
2	Shoeburyness	11	1018.4	-2	SW	1	z	50	97	5	-	-	-	1018.1	-2	SW	2	z	48	97	5	8	-	-	-	0	2-3	1500	1	1	56	47	42	-	-	-	-	-	-	-	*						
	Felixstowe	15	1018.2	0	SW	1	z	49	97	5	5	-	-	1018.2	+4	SSW	3	z	49	97	6	5	-	-	-	9+	9+	2500	0	2	54	48	47	-	-	-	-	-	-	-	*						
	Gorleston	5	1018.2	0	SW	1	z	49	97	5	5	-	-	1018.2	+4	SSW	3	z	49	97	6	5	-	-	-	9+	9+	2500	0	2	54	48	47	-	-	-	-	-	-	-	*						
	Mildenhall	19	1017.7	-2	SE	2	m	49	97	4	5	-	-	1017.5	+2	SE	2	z	48	97	5	5	-	-	-	10	10	4000	1	*	53	47	44	-	-	-	-	-	-	-	1.4						
	Cranwell	240	1017.0	-2	SW	2	m	47	97	4	5	-	-	1016.4	+2	SSW	3	z	47	97	5	5	3	-	-	4-6	4-6	1500	0	*	52	45	43	-	-	-	-	-	-	-	1.9						
3	Birmingham	535	1017.6	-2	SE	1	m	49	97	4	5	-	-	1016.1	+2	S	2	c	47	97	6	5	-	-	-	9	9	2500	1	*	54	47	45	-	-	-	-	-	-	-	4.2						
	Upper Heyford	408	1017.6	-2	SE	1	m	49	97	4	5	-	-	1017.1	-2	S	1	id.	49	97	4	5	-	-	-	10	10	450	1	*	51	49	41	-	-	-	-	-	-	-	*						
4	Ross-on-Wye	223	1016.1	0	S	1	c	47	97	5	-	-	-	1016.1	0	S	1	c	47	97	5	-	-	-	-	7-8	7-8	2500	1	*	53	46	40	-	-	-	-	-	-	-	0.0						
5	Hartland Point	299	1014.9	0	SSW	3	c	50	92	8	5	-	-	1013.5	-2	SSE	3	bc	49	92	8	4	3	-	-	2-3	4-6	2500	1	2	53	49	46	-	-	-	-	-	-	-	0.0						
	Bristol	209	1016.4	-2	SW	2	c	50	85	7	5	3	-	1016.2	-2	SSE	2	bc	48	92	7	8	-	-	-	2-3	2-3	2500	1	*	54	48	42	-	-	-	-	-	-	-	0.2						
	Portland Bill	32	1017.1	+4	SSW	2	bc	53	92	8	5	-	-	1017.5	+2	SW	2	c	53	92	8	5	4	-	-	4-6	7-8	4000	1	2	54	51	*	-	-	-	-	-	-	-	*						
	Plymouth	82	1016.3	+2	SSW	4	c	53	85	7	8	-	-	1015.3	-2	S	4	c	53	85	8	5	-	-	-	9+	9+	1500	1	2	57	50	47	-	-	-	-	-	-	-	1.4						
	The Lizard	240	1015.5	-4	WSW	4	bc	52	92	8	8	-	-	1014.3	-4	SE	5	c	53	92	8	8	2	-	-	7-8	9+	1500	1	3	55	50	*	-	-	-	-	-	-	-	0.9						
	Scilly (St. Mary's)	163	1013.3	-12	SE	5	c	52	97	8	5	-	-	1011.5	-6	S	5	r.	52	97	6	5	2	-	-	4-6	10	1500	1	3	56	47	*	-	-	-	-	-	-	-	3.2						
	Guernsey	175	1017.5	0	SE	1	bc	51	92	8	8	-	-	1017.6	+4	SE	1	c	48	97	8	5	1	-	-	7-8	7-8	1500	1	2	45	*	-	-	-	-	-	-	-	-	3.8						
6	Pembroke	142	1014.6	0	SSW	3	c	51	85	8	8	-	-	1012.3	-10	SSW	6	q.	53	92	8	5	-	-	-	9+	9+	1500	1	3	55	50	*	-	-	-	-	-	-	-	0.4						
7	Holyhead	26	1013.4	-6	SE	3	c	52	92	7	5	2	-	1011.7	-6	SE	3	c	51	85	8	8	3	-	-	4-6	7-8	1500	1	2	53	49	47	-	-	-	-	-	-	-	0.1						
	Chester (Sealand)	16	1015.1	-6	SE	3	m	49	92	4	5	-	-	1014.4	+2	SE	2	z	48	92	6	5	-	-	-	9	9	4000	1	*	53	48	42	-	-	-	-	-	-	-	0.0						
8	Manchester	70	1015.4	-6	SE	2	m	49	92	4	5	-	-	1014.3	-2	SSW	3	z	49	92	6	5	-	-	-	10	10	1500	1	*	54	49	44	-	-	-	-	-	-	-	0.7						
10	Spurn Head	29	1016.6	-2	SE	2	m	48	97	4	5	-	-	1015.9	-2	S	2	of	48	92	3	5	-	-	-	10	10	1500	1	1	51	47	*	-	-	-	-	-	-	-	0.8						
	Catterick	175	1016.0	-10	S	0	m	45	97	4	5	-	-	1014.2	-6	SSE	3	F	44	97	1	-	-	-	-	10	10	1500	1	1	49	44	45	-	-	-	-	-	-	-	1.7						
	Tynemouth	108	1016.3	-10	SE	3	d	49	85	7	5	-	-	1014.2	-12	SW	3	m	47	92	4	5	-	-	-	10	10	1500	1	1	49	47	45	-	-	-	-	-	-	-	*						
11	St. Abbs Head	280	1015.6	-16	SE	4	r.	46	85	7	8	2	-	1011.6	-26	SE	3	c	47	97	6	5	2	-	-	9	10	1500	1	*	44	39	37	-	-	-	-	-	-	-	1.9						
	Leuchars	36	1016.2	-12	ESE	3	r.	45	85	6	5	-	-	1010.9	-18	E	2	df	45	97	3	5	-	-	-	10	10	1500	1	*	46	42	39	-	-	-	-	-	-	-	0.2						
12	Renfrew (Abbots L.)	19	1015.0	-12	E	2	r.	43	92	4	5	-	-	1011.7	-16	SW	1	c	44	97	6	5	-	-	-	9+	9+	800	1	*	44	40	40	-	-	-	-	-	-	-	2.3						
	Eskdalemuir	794	1013.5	-8	SE	4	c	51	97	7	5	2	-	1011.3	-14	SSW	1	c	49	92	7	8	7	-	-	2-3	3	1500	1	2	51	49	*	-	-	-	-	-	-	-	1.6						
	Point of Ayre	30	1013.5	-8	SE	4	c	51	97	7	5	2	-	1011.3	-14	SSW	1	c	49	92	7	8	7	-	-	2-3	3	1500	1	2	51	49	*	-	-	-	-	-	-	-	1.6						
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AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Tuesday 14th November 1939.
No. 28481.

OBSERVATIONS at 13h. G.M.T. 13th November

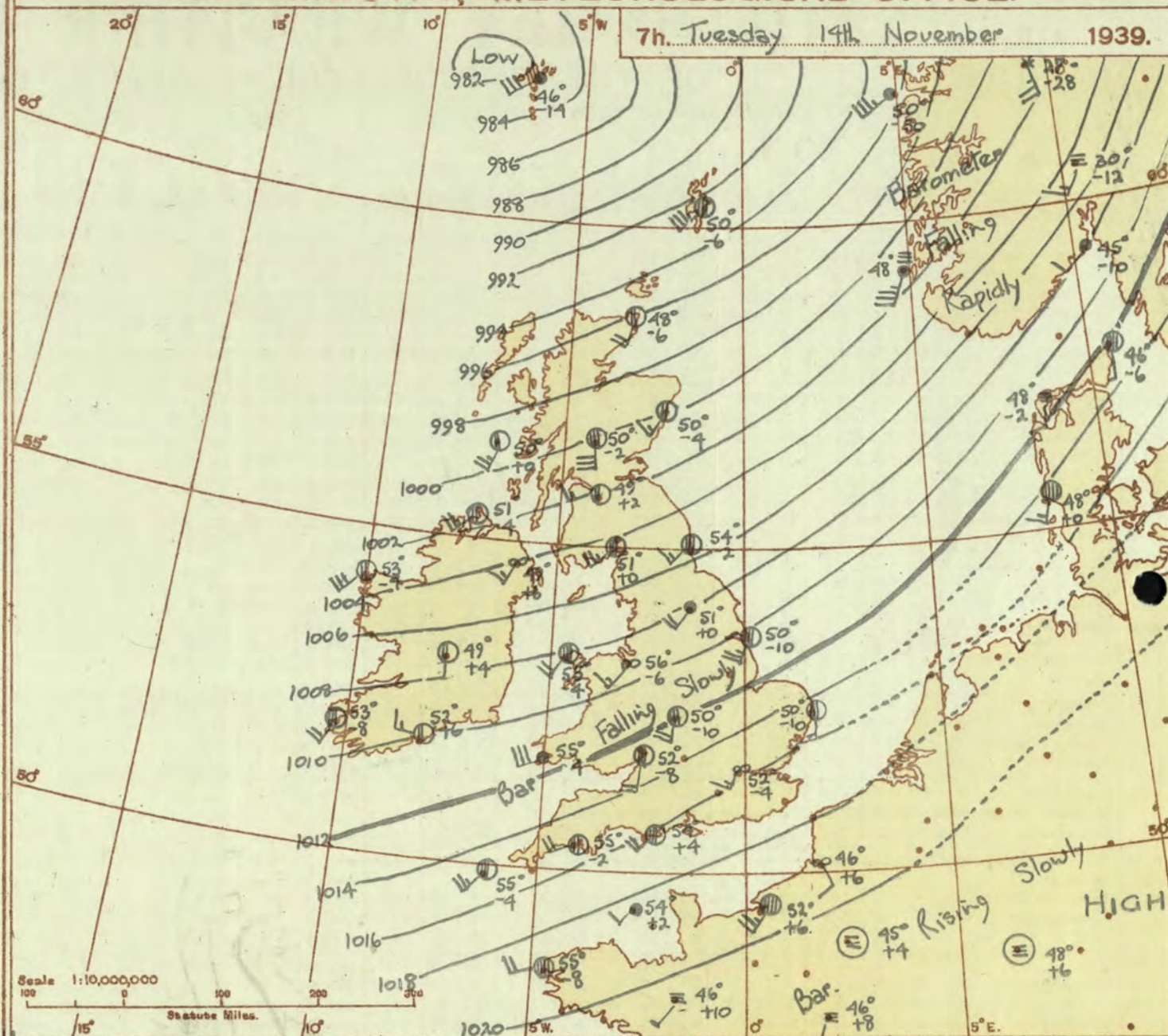
OBSERVATIONS at 18h. G.M.T. 13th November

PAST 24 HOURS.

OBSERVATIONS AT 18h. G.M.T.														OBSERVATIONS AT 18h. G.M.T.														OBSERVATIONS AT 18h. G.M.T.														OBSERVATIONS AT 18h. G.M.T.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 8 hours. (30)	Wind.		Weather.	Temp. °F. (34)	Humid. % (35)	Visibility. 0-9 (36)	Cloud.					Barom. at M.S.L. mb. (49)	Change in 8 hours. (50)	Wind.		Weather.	Temp. °F. (54)	Humid. % (55)	Visibility. 0-9 (56)	Cloud.					Barom. at M.S.L. mb. (69)	Change in 8 hours. (70)	Wind.		Weather.	Temp. °F. (74)	Humid. % (75)	Visibility. 0-9 (76)	Cloud.					Barom. at M.S.L. mb. (79)	Change in 8 hours. (80)	Wind.		Weather.	Temp. °F. (84)	Humid. % (85)	Visibility. 0-9 (86)	Cloud.					Barom. at M.S.L. mb. (89)	Change in 8 hours. (90)	Wind.		Weather.	Temp. °F. (94)	Humid. % (95)	Visibility. 0-9 (96)	Cloud.					Barom. at M.S.L. mb. (99)	Change in 8 hours. (100)	Wind.		Weather.	Temp. °F. (104)	Humid. % (105)	Visibility. 0-9 (106)	Cloud.					Barom. at M.S.L. mb. (109)	Change in 8 hours. (110)	Wind.		Weather.	Temp. °F. (114)	Humid. % (115)	Visibility. 0-9 (116)	Cloud.					Barom. at M.S.L. mb. (119)	Change in 8 hours. (120)	Wind.		Weather.	Temp. °F. (124)	Humid. % (125)	Visibility. 0-9 (126)	Cloud.					Barom. at M.S.L. mb. (129)	Change in 8 hours. (130)	Wind.		Weather.	Temp. °F. (134)	Humid. % (135)	Visibility. 0-9 (136)	Cloud.					Barom. at M.S.L. mb. (139)	Change in 8 hours. (140)	Wind.		Weather.	Temp. °F. (144)	Humid. % (145)	Visibility. 0-9 (146)	Cloud.					Barom. at M.S.L. mb. (149)	Change in 8 hours. (150)	Wind.		Weather.	Temp. °F. (154)	Humid. % (155)	Visibility. 0-9 (156)	Cloud.					Barom. at M.S.L. mb. (159)	Change in 8 hours. (160)	Wind.		Weather.	Temp. °F. (164)	Humid. % (165)	Visibility. 0-9 (166)	Cloud.					Barom. at M.S.L. mb. (169)	Change in 8 hours. (170)	Wind.		Weather.	Temp. °F. (174)	Humid. % (175)	Visibility. 0-9 (176)	Cloud.					Barom. at M.S.L. mb. (179)	Change in 8 hours. (180)	Wind.		Weather.	Temp. °F. (184)	Humid. % (185)	Visibility. 0-9 (186)	Cloud.					Barom. at M.S.L. mb. (189)	Change in 8 hours. (190)	Wind.		Weather.	Temp. °F. (194)	Humid. % (195)	Visibility. 0-9 (196)	Cloud.					Barom. at M.S.L. mb. (199)	Change in 8 hours. (200)	Wind.		Weather.	Temp. °F. (204)	Humid. % (205)	Visibility. 0-9 (206)	Cloud.					Barom. at M.S.L. mb. (209)	Change in 8 hours. (210)	Wind.		Weather.	Temp. °F. (214)	Humid. % (215)	Visibility. 0-9 (216)	Cloud.					Barom. at M.S.L. mb. (219)	Change in 8 hours. (220)	Wind.		Weather.	Temp. °F. (224)	Humid. % (225)	Visibility. 0-9 (226)	Cloud.					Barom. at M.S.L. mb. (229)	Change in 8 hours. (230)	Wind.		Weather.	Temp. °F. (234)	Humid. % (235)	Visibility. 0-9 (236)	Cloud.					Barom. at M.S.L. mb. (239)	Change in 8 hours. (240)	Wind.		Weather.	Temp. °F. (244)	Humid. % (245)	Visibility. 0-9 (246)	Cloud.					Barom. at M.S.L. mb. (249)	Change in 8 hours. (250)	Wind.		Weather.	Temp. °F. (254)	Humid. % (255)	Visibility. 0-9 (256)	Cloud.					Barom. at M.S.L. mb. (259)	Change in 8 hours. (260)	Wind.		Weather.	Temp. °F. (264)	Humid. % (265)	Visibility. 0-9 (266)	Cloud.					Barom. at M.S.L. mb. (269)	Change in 8 hours. (270)	Wind.		Weather.	Temp. °F. (274)	Humid. % (275)	Visibility. 0-9 (276)	Cloud.					Barom. at M.S.L. mb. (279)	Change in 8 hours. (280)	Wind.		Weather.	Temp. °F. (284)	Humid. % (285)	Visibility. 0-9 (286)	Cloud.					Barom. at M.S.L. mb. (289)	Change in 8 hours. (290)	Wind.		Weather.	Temp. °F. (294)	Humid. % (295)	Visibility. 0-9 (296)	Cloud.					Barom. at M.S.L. mb. (299)	Change in 8 hours. (300)	Wind.		Weather.	Temp. °F. (304)	Humid. % (305)	Visibility. 0-9 (306)	Cloud.					Barom. at M.S.L. mb. (309)	Change in 8 hours. (310)	Wind.		Weather.	Temp. °F. (314)	Humid. % (315)	Visibility. 0-9 (316)	Cloud.					Barom. at M.S.L. mb. (319)	Change in 8 hours. (320)	Wind.		Weather.	Temp. °F. (324)	Humid. % (325)	Visibility. 0-9 (326)	Cloud.					Barom. at M.S.L. mb. (329)	Change in 8 hours. (330)	Wind.		Weather.	Temp. °F. (334)	Humid. % (335)	Visibility. 0-9 (336)	Cloud.					Barom. at M.S.L. mb. (339)	Change in 8 hours. (340)	Wind.		Weather.	Temp. °F. (344)	Humid. % (345)	Visibility. 0-9 (346)	Cloud.					Barom. at M.S.L. mb. (349)	Change in 8 hours. (350)	Wind.		Weather.	Temp. °F. (354)	Humid. % (355)	Visibility. 0-9 (356)	Cloud.					Barom. at M.S.L. mb. (359)	Change in 8 hours. (360)	Wind.		Weather.	Temp. °F. (364)	Humid. % (365)	Visibility. 0-9 (366)	Cloud.					Barom. at M.S.L. mb. (369)	Change in 8 hours. (370)	Wind.		Weather.	Temp. °F. (374)	Humid. % (375)	Visibility. 0-9 (376)	Cloud.					Barom. at M.S.L. mb. (379)	Change in 8 hours. (380)	Wind.		Weather.	Temp. °F. (384)	Humid. % (385)	Visibility. 0-9 (386)	Cloud.					Barom. at M.S.L. mb. (389)	Change in 8 hours. (390)	Wind.		Weather.	Temp. °F. (394)	Humid. % (395)	Visibility. 0-9 (396)	Cloud.					Barom. at M.S.L. mb. (399)	Change in 8 hours. (400)	Wind.		Weather.	Temp. °F. (404)	Humid. % (405)	Visibility. 0-9 (406)	Cloud.					Barom. at M.S.L. mb. (409)	Change in 8 hours. (410)	Wind.		Weather.	Temp. °F. (414)	Humid. % (415)	Visibility. 0-9 (416)	Cloud.					Barom. at M.S.L. mb. (419)	Change in 8 hours. (420)	Wind.		Weather.	Temp. °F. (424)	Humid. % (425)	Visibility. 0-9 (426)	Cloud.					Barom. at M.S.L. mb. (429)	Change in 8 hours. (430)	Wind.		Weather.	Temp. °F. (434)	Humid. % (435)	Visibility. 0-9 (436)	Cloud.					Barom. at M.S.L. mb. (439)	Change in 8 hours. (440)	Wind.		Weather.	Temp. °F. (444)	Humid. % (445)	Visibility. 0-9 (446)	Cloud.					Barom. at M.S.L. mb. (449)	Change in 8 hours. (450)	Wind.		Weather.	Temp. °F. (454)	Humid. % (455)	Visibility. 0-9 (456)	Cloud.					Barom. at M.S.L. mb. (459)	Change in 8 hours. (460)	Wind.		Weather.	Temp. °F. (464)	Humid. % (465)	Visibility. 0-9 (466)	Cloud.					Barom. at M.S.L. mb. (469)	Change in 8 hours. (470)	Wind.		Weather.	Temp. °F. (474)	Humid. % (475)	Visibility. 0-9 (476)	Cloud.					Barom. at M.S.L. mb. (479)	Change in 8 hours. (480)	Wind.		Weather.	Temp. °F. (484)	Humid. % (485)	Visibility. 0-9 (486)	Cloud.					Barom. at M.S.L. mb. (489)	Change in 8 hours. (490)	Wind.		Weather.	Temp. °F. (494)	Humid. % (495)	Visibility. 0-9 (496)	Cloud.					Barom. at M.S.L. mb. (499)	Change in 8 hours. (500)	Wind.		Weather.	Temp. °F. (504)	Humid. % (505)	Visibility. 0-9 (506)	Cloud.					Barom. at M.S.L. mb. (509)	Change in 8 hours. (510)	Wind.		Weather.	Temp. °F. (514)	Humid. % (515)	Visibility. 0-9 (516)	Cloud.					Barom. at M.S.L. mb. (519)	Change in 8 hours. (520)	Wind.		Weather.	Temp. °F. (524)	Humid. % (525)	Visibility. 0-9 (526)	Cloud.					Barom. at M.S.L. mb. (529)	Change in 8 hours. (530)	Wind.		Weather.	Temp. °F. (534)	Humid. % (535)	Visibility. 0-9 (536)	Cloud.					Barom. at M.S.L. mb. (539)	Change in 8 hours. (540)	Wind.		Weather.	Temp. °F. (544)	Humid. % (545)	Visibility. 0-9 (546)	Cloud.					Barom. at M.S.L. mb. (549)	Change in 8 hours. (550)	Wind.		Weather.	Temp. °F. (554)	Humid. % (555)	Visibility. 0-9 (556)	Cloud.					Barom. at M.S.L. mb. (559)	Change in 8 hours. (560)	Wind.		Weather.	Temp. °F. (564)	Humid. % (565)	Visibility. 0-9 (566)	Cloud.					Barom. at M.S.L. mb. (569)	Change in 8 hours. (570)	Wind.		Weather.	Temp. °F. (574)	Humid. % (575)	Visibility. 0-9 (576)	Cloud.					Barom. at M.S.L. mb. (579)	Change in 8 hours. (580)	Wind.		Weather.	Temp. °F. (584)	Humid. % (585)	Visibility. 0-9 (586)	Cloud.					Barom. at M.S.L. mb. (589)	Change in 8 hours. (590)	Wind.		Weather.	Temp. °F. (594)	Humid. % (595)	Visibility. 0-9 (596)	Cloud.					Barom. at M.S.L. mb. (599)	Change in 8 hours. (600)	Wind.		Weather.	Temp. °F. (604)	Humid. % (605)	Visibility. 0-9 (606)	Cloud.					Barom. at M.S.L. mb. (609)	Change in 8 hours. (610)	Wind.		Weather.	Temp. °F. (614)	Humid. % (615)	Visibility. 0-9 (616)	Cloud.					Barom. at M.S.L. mb. (619)	Change in 8 hours. (620)	Wind.		Weather.	Temp. °F. (624)	Humid. % (625)	Visibility. 0-9 (626)	Cloud.					Barom. at M.S.L. mb. (629)	Change in 8 hours. (630)	Wind.		Weather.	Temp. °F. (634)	Humid. % (635)	Visibility. 0-9 (636)	Cloud.					Barom. at M.S.L. mb. (639)	Change in 8 hours. (640)	Wind.		Weather.	Temp. °F. (644)	Humid. % (645)	Visibility. 0-9 (646)	Cloud.					Barom. at M.S.L. mb. (649)	Change in 8 hours. (650)	Wind.		Weather.	Temp. °F. (654)	Humid. % (655)	Visibility. 0-9 (656)	Cloud.					Barom. at M.S.L. mb. (659)	Change in 8 hours. (660)	Wind.		Weather.	Temp. °F. (664)	Humid. % (665)	Visibility. 0-9 (666)	Cloud.					Barom. at M.S.L. mb. (669)	Change in 8 hours. (670)	Wind.		Weather.	Temp. °F. (674)	Humid. % (675)	Visibility. 0-9 (676)	Cloud.					Barom. at M.S.L. mb. (679)	Change in 8 hours. (680)	Wind.		Weather.	Temp. °F. (684)	Humid. % (685)	Visibility. 0-9 (686)	Cloud.					Barom. at M.S.L. mb. (689)	Change in 8 hours. (690)	Wind.		Weather.	Temp. °F. (694)	Humid. % (695)	Visibility. 0-9 (696)	Cloud.					Barom. at M.S.L. mb. (699)	Change in 8 hours. (700)	Wind.		Weather.	Temp. °F. (704)	Humid. % (705)	Visibility. 0-9 (706)	Cloud.					Barom. at M.S.L. mb. (709)	Change in 8 hours. (710)	Wind.		Weather.	Temp. °F. (714)	Humid. % (715)	Visibility. 0-9 (716)	Cloud.					Barom. at M.S.L. mb. (719)	Change in 8 hours. (720)	Wind.		Weather.	Temp. °F. (724)	Humid. % (725)	Visibility. 0-9 (726)	Cloud.					Barom. at M.S.L. mb. (729)	Change in 8 hours. (730)	Wind.		Weather.	Temp. °F. (734)	Humid. % (735)	Visibility. 0-9 (736)	Cloud.					Barom. at M.S.L. mb. (739)	Change in 8 hours. (740)	Wind.		Weather.	Temp. °F. (744)	Humid. % (745)	Visibility. 0-9 (746)	Cloud.					Barom. at M.S.L. mb. (749)	Change in 8 hours. (750)	Wind.		Weather.	Temp. °F. (754)	Humid. % (755)	Visibility. 0-9 (756)	Cloud.					Barom. at M.S.L. mb. (759)	Change in 8 hours. (760)	Wind.		Weather.	Temp. °F. (764)	Humid. % (765)	Visibility. 0-9 (766)	Cloud.					Barom. at M.S.L. mb. (769)	Change in 8 hours. (770)	Wind.		Weather.	Temp. °F. (774)	Humid. % (775)	Visibility. 0-9 (776)	Cloud.					Barom. at M.S.L. mb. (779)	Change in 8 hours. (780)	Wind.		Weather.	Temp. °F. (784)	Humid. % (785)	Visibility. 0-9 (786)	Cloud.					Barom. at M.S.L. mb. (789)	Change in 8 hours. (790)	Wind.		Weather.	Temp. °F. (794)	Humid. % (795)	Visibility. 0-9 (796)	Cloud.					Barom. at M.S.L. mb. (799)	Change in 8 hours. (800)	Wind.		Weather.	Temp. °F. (804)	Humid. % (805)	Visibility. 0-9 (806)	Cloud.					Barom. at M.S.L. mb. (809)	Change in 8 hours. (810)	Wind.		Weather.	Temp. °F. (814)	Humid. % (815)	Visibility. 0-9 (816)	Cloud.					Barom. at M.S.L. mb. (819)	Change in 8 hours. (820)	Wind.		Weather.	Temp. °F. (824)	Humid. % (825)	Visibility. 0-9 (826)	Cloud.					Barom. at M.S.L. mb. (829)	Change in 8 hours. (830)	Wind.		Weather.	Temp. °F. (834)	Humid. % (835)	Visibility. 0-9 (836)	Cloud.					Barom. at M.S.L. mb. (839)	Change in 8 hours. (840)	Wind.		Weather.	Temp. °F. (844)	Humid. % (845)	Visibility. 0-9 (846)	Cloud.					Barom. at M.S.L. mb. (849)	Change in 8 hours. (850)	Wind.		Weather.	Temp. °F. (854)	Humid. % (855)	Visibility. 0-9 (856)	Cloud.					Barom. at M.S.L. mb. (859)	Change in 8 hours. (860)	Wind.		Weather.	Temp. °F. (864)	Humid. % (865)	Visibility. 0-9 (866)	Cloud.					Barom. at M.S.L. mb. (869)	Change in 8 hours. (870)	Wind.		Weather.	Temp. °F. (874)	Humid. % (875)	Visibility. 0-9 (876)	Cloud.					Barom. at M.S.L. mb. (879)	Change in 8 hours. (880)	Wind.		Weather.	Temp. °F. (884)	Humid. % (885)	Visibility. 0-9 (886)	Cloud.					Barom. at M.S.L. mb. (889)	Change in 8 hours. (890)	Wind.		Weather.	Temp. °F. (894)	Humid. % (895)	Visibility. 0-9 (896)	Cloud.					Barom. at M.S.L. mb. (899)

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday 14th November 1939.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th November, 1939.

1 S.E. England	Wind southwest, moderate or fresh; mainly cloudy; some occasional light rain or drizzle to-day; brighter intervals locally later; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southwest, fresh to strong locally on the coast; cloudy, occasional rain or drizzle, especially on coasts and on hills; mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind southwest, fresh; dull; some rain early, then brighter intervals; mild.
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	Wind southwest, fresh to strong locally, gale at times off northwest coasts; fair periods, some showers at first, then cloudy, occasional rain; rather mild to mild.
15 N. E. Scotland ▼	
16 Orkneys and Shetlands ▼	
17 N. W. Ireland ▼	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	As 5 - 7.

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.

Pressure is high from the Azores to Central Europe. A deep depression near the Faeroes is moving east-northeast and further secondaries are likely to cross the British Isles. Weather will be mild and unsettled, but rainfall amounts will be small in the Southeast.

FURTHER OUTLOOK.

Mild and unsettled.

Times of Issue of Gale Warnings.

South cone hoisted at 23.30 on 13th in districts 13B, 15 and part of 16 and at 0800 on 14th in districts 13A, 17 and part of 16.

Forecasts issued at 0930 G.M.T.

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

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

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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.

Morning of

Tuesday, 14th November

1939

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Scale in Miles 0 100 200 300 400 500

EXPLANATION OF CHART.

BAROMETER. 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.

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. Δ Hail.

☼ 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.

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

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)	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 Hrs. (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. or Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)						
																																0-12	0-10		0-10	0-10	0-10
1	London (Kew) ... 18	217	1017.2	-10	S	2	d.c.	50	97	5	-	-	-	1015.4	+4	SW	3	z.	51	92	6	5	-	-	4-6	4-6	2500	1	52	48	42	-	-	0.0			
	Croydon ... 217	1016.0	-18	SW	3	z.	51	92	6	5	-	-	-	1016.1	-4	SSW	3	z.	52	92	6	5	7	-	-	4-6	7-8	1500	1	52	46	41	0.1	Tr	0.2		
	S. Farnborough ... 226	1015.7	-12	SW	3	z.	51	92	6	5	-	-	-	1015.7	+2	SSW	3	z.	50	92	7	5	-	-	-	3	1500	1	53	48	44	Tr	Tr	0.4			
	Boscombe Down ... 417	1015.3	-8	SW	4	id.	53	97	6	5	-	-	-	1015.4	0	SW	4	z.	49	97	6	5	7	-	-	7-8	10	450	1	55	47	46	-	1	2.3		
	Calshot (St. Mary's) ... 8	1016.3	-12	SW	5	bc	53	97	7	5	-	-	-	1016.3	+4	SW	3	z.	52	97	6	6	-	-	-	9+	9+	1500	1	54	49	49	-	0.1	2.1		
	Lympne ... 346	1018.4	-8	SSW	3	c	48	97	6	5	-	-	-	1017.3	-2	SW	4	c	51	97	7	5	-	-	-	9+	9+	800	1	53	49	39	-	-	0.0		
	Manston ... 154	1018.1	-6	SSW	3	z.	46	92	6	5	-	-	-	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr	Tr			
2	Shoeburyness ... 11	1016.6	-14	SSW	3	z.	49	85	6	5	-	-	-	1016.2	-4	SW	4	id.	51	92	5	5	-	-	-	10	10	1500	1	52	47	37	-	Tr	0.0		
	Felixstowe ... 15	1015.9	-14	SW	3	bc	47	85	6	5	-	-	-	1015.4	-10	SW	3	z.	50	92	6	5	4	-	-	7-8	9	1500	1	53	47	42	-	Tr	3.1		
	Gorleston ... 5	1015.3	-14	SW	3	bc	47	85	6	5	-	-	-	1014.4	-10	S	3	c	50	92	6	5	-	-	-	7-8	7-8	2500	0	54	47	46	-	-	*		
	Mildenhall ... 19	1015.4	-14	SSW	4	bc	47	92	7	-	4	-	-	1014.1	-6	SSW	3	c	51	92	6	5	-	-	-	8	2-3	7-8	2500	1	53	46	40	-	Tr	0.0	
	Cranwell ... 240	1013.9	-6	SW	4	id.	49	92	5	5	-	-	-	10	10	2500																					
3	Birmingham ... 535	1015.5	-10	S	3	id.	50	97	5	5	-	-	-	1011.5	-10	SSW	4	c	50	92	7	6	7	-	-	9	9+	800	1	54	49	46	*	Tr	3.8		
	Upper Heyford ... 408	1015.5	-10	S	3	id.	50	97	5	5	-	-	-	1014.5	-2	SW	2	z.	49	92	6	5	3	-	-	2-3	7-8	2500	1	53	*	41	0.2	Tr	*		
4	Ross-on-Wye ... 223	1012.6	-8	SW	4	c	52	92	7	5	-	-	-	1012.6	-8	SW	4	c	52	92	7	5	7	-	-	3+	10	1500	1	56	50	47	-	Tr	3.0		
5	Hartland Point ... 299	1013.3	+6	WSW	4	bc	52	97	8	4	-	-	-	1012.4	-8	W	5	c	54	97	7	6	2	-	-	7-8	9+	1500	1	54	51	49	0.2	1	0.2		
	Bristol ... 209	1015.2	+4	SW	3	c	52	85	6	5	-	-	-	1014.2	-4	S	3	c	51	85	7	5	7	-	-	4-6	9+	2500	1	55	50	46	-	1	2.1		
	Portland Bill ... 32	1015.8	+4	SW	3	0	55	92	7	5	-	-	-	1015.8	+4	SW	4	c	54	92	7	5	-	-	-	10	10	2500	1	54	50	*	-	0.4	*		
	Plymouth ... 82	1015.3	+10	WS	2	z.	53	97	6	5	-	-	-	1015.7	0	WSW	4	o.pr	55	97	6	5	-	-	-	10	10	2500	1	55	53	49	0.1	1.3	0.0		
	The Lizard ... 240	1016.2	+6	SW	3	bc	53	97	7	8	-	-	-	1013.9	-2	SW	3	o	54	97	6	5	-	-	-	10	10	800	1	55	52	*	2	1	0.0		
	Scilly (St. Mary's) ... 163	1015.4	-4	W	4	bc	53	97	6	5	-	-	-	1014.7	-4	WSW	5	c	55	97	6	5	-	-	-	10	10	1500	1	56	52	*	2	1	2.3		
	Guernsey ... 175	1017.7	+6	SW	1	ir	53	97	6	8	-	-	-	1018.2	+2	SW	9	ir	54	97	6	4	-	-	-	10	10	800	1	53	52	44	-	1	0.5		
6	Pembroke ... 142	1012.4	0	SW	4	c	53	97	7	5	-	-	-	1011.6	-4	WS	6	d.c.	55	97	5	5	-	-	-	10	10	800	1	54	52	*	0.2	0.1	0.0		
7	Holyhead ... 26	1009.2	+4	SSW	5	c	53	92	7	5	2	-	-	1007.4	-4	SSW	4	c	55	97	6	5	-	-	-	9+	9+	1500	1	53	52	50	1	2	*		
	Chester (Sealand) ... 16	1011.1	-4	SSE	3	z.	52	85	5	5	-	-	-	1009.3	-6	SW	3	z.	56	85	6	5	-	-	-	9	9	2500	1	57	50	44	2	Tr	2.7		
8	Manchester ... 70	1011.4	-4	SW	4	c	52	92	7	5	3	-	-	1009.5	-6	SSW	4	z.	53	85	6	5	-	-	-	9+	9+	1500	1	55	50	43	Tr	Tr	0.3		
10	Spurn Head ... 29	1012.8	-6	SSW	4	bc	48	92	6	-	3	8	0	4-6	-	1010.7	-10	SSW	5	c	50	92	7	-	4	-	0	7-8	-	1	3	54	47	*	Tr	Tr	3.5
	Catterick ... 175	1009.3	-12	S	3	c	52	85	7	5	-	-	-	1007.6	0	SW	4	pr	51	85	7	8	3	-	-	4-6	9+	1500	1	52	48	45	2	1	0.5		
	Tynemouth ... 108	1008.3	-12	SW	5	c	52	85	7	8	-	-	-	1006.1	-2	SW	3	c	54	75	6	8	-	-	-	9	9	1500	1	53	50	46	1	0.3	*		
11	St. Abbs Head ... 280	1002.6	-26	SW	7	bcq	53	85	8	4	6	-	4-6	4-6	1500																						
	Leuchars ... 36	1003.1	-16	SSW	4	rr	52	92	4	5	-	-	-	1001.8	+4	SSW	2	bc	50	92	6	5	-	-	-	2-3	4-6	2500	1	53	49	45	-	3	0.0		
12	Renfrew (Abbots I.) ... 19	1003.1	-16	SSW	4	rr	52	92	4	5	-	-	-	1001.8	+4	SSW	2	bc	50	92	6	5	-	-	-	2-3	4-6	1500	1	53	49	45	-	3	0.0		
	Eskdalemuir ... 794	1003.1	-16	SSW	4	rr	52	92	4	5	-	-	-	1001.8	+4	SSW	2	bc	50	92	6	5	-	-	-	2-3	4-6	1500	1	53	49	45	-	3	0.0		
	Point of Ayre ... 30	1006.1	-8	SWW	5	c	53	97	7	5	-	-	-	1004.1	0	SW	5	c	51	92	6	5	-	-	-	9+	9+	800	1	49	48	*	5	13	0.0		
13A	Tiree ... 22	1006.1	-8	SWW	5	c	53	97	7	5	-	-	-	1003.8	+2	W	4	c	53	97	7	5	1	6	-	1	9	2500	1	55	52	*	1	1	0.0		
13B	Stornoway ... 80	995.0	-8	SSW	5	c	50	85	7	5	2	-	-	998.7	0	SSW	5	bc	50	75	8	8	-	-	-	2-3	2-3	2500	0	52	48	45	3	4	0.0		
15	Dalwhinnie ... 1176	1000.0	-2	S	6	c	50	92	7	8	4	-	-	1000.0	-2	S	6	c	50	92	7	8	4	-	-	4-6	7-8	2500	1	49	43	37	1	8	0.0		
	Aberdeen ... 79	998.0	-18	SSW	3	o.pr	51	97	7</																												

THE DAILY WEATHER REPORT

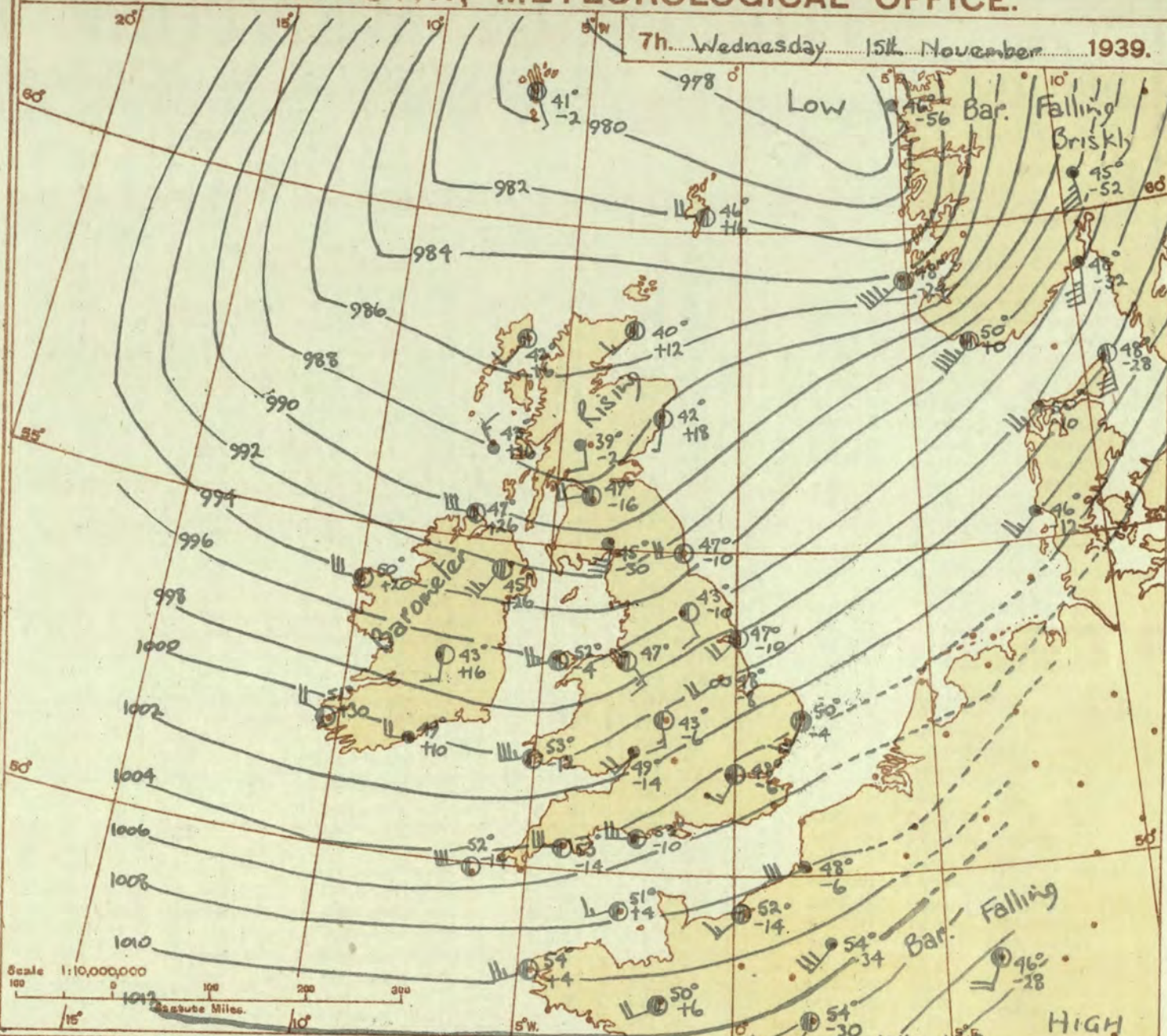
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 15th November 1939.
No. 28482

OBSERVATIONS at 13h. G.M.T. 14th November														OBSERVATIONS at 18h. G.M.T. 14th November														PAST 24 HOURS.							
Dist.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 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)	WEATHER.					
				Dir.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base (feet) (14)	Dir.	Force. 0-12 (18)			Form.	Amount. Low 0-10 Total 0-10 (25) (26)					Height of Base (feet) (28)	7h.-13h. 14th (37)	13h.-18h. 14th (38)	18h.-1st 15th (39)	1st.-7h. 15th (40)								
1	London (Kew)...	1014.5	-14	SW	4	Z	55	85	6	S	-	10	10	220	1010.9	-22	SW	4	Z	55	92	6	5	-	9	9	1500	1	*	Cmo	cid.mcm	cid.mcm	gy r r b c		
	Croydon ...	1014.9	-14	SW	4	Z	56	85	5	-	-	10	10	800	1012.3	-22	S	4	Z	55	97	5	5	-	10	10	450	1	*	bc m c a	cm d d o	cr r r R R	gy r r b c		
	S. Farnborough	1014.8	-10	SW	5	id.	56	92	6	2	-	9	10	800	1011.3	-20	SW	4	d.d.	55	92	6	5	-	10	10	1500	1	*	cm d o	id d d o	cid r r	cr r b c		
	Boscombe Down	1014.4	-10	SW	4	id.	55	97	6	5	-	10	10	450	1011.1	-18	SW	4	ir.	54	97	6	6	-	10	10	450	1	*	oid m o	oid m o	id m o q o i r	oid b c m		
	Calshot (Soton.)	1015.3	-10	SW	5	id.	55	97	6	5	-	10	10	450	1012.3	-22	SW	5	Z	55	97	6	5	-	10	10	450	1	3	oid m o	oid m o	id r r r m m	oid b c m		
	Lymington	1017.2	-8	SW	5	c	54	92	6	5	-	10	10	450	1015.0	-6	SW	5	d.d.	53	97	5	5	-	10	10	1500	1	3	oid m o	oid m o	id r r r m m	oid b c m		
	Manston	1016.0	-10	SW	5	Z	56	85	6	5	4	2	7-8	9	1500	1014.2	-6	SW	5	id.	55	92	6	5	-	10	10	800	1	*	cid c	cm d o	oid d d o	oid b c m	
2	Shoeburyness ...	1015.4	-10	SW	4	c	57	85	7	5	7	-	7-8	10	1500	1013.4	-12	SW	3	ir.	54	97	7	5	-	10	10	1500	1	*	id b c c	cr r o	id r r c	ir r r c	
	Felixstowe ...	1014.2	-8	SW	4	Z	55	85	6	5	-	-	9	9	2500	1012.2	-6	SW	4	id.	54	97	6	6	2	-	7-8	10	450	1	3	cm o	cm o	id r r c	ir r r c
	Gorleston ...	1013.3	-10	SSW	4	c	56	75	6	5	-	-	9	9	2500	1010.7	-8	SSW	4	bc	56	85	6	5	-	4-6	4-6	2500	0	2	cm o	cm o	id r r c	ir r r c	
	Mildenhall ...	1012.9	-12	SSW	4	Z	56	85	6	5	-	-	10	10	2500	1009.0	-26	SW	5	Z	55	92	6	5	-	2-3	2-3	4000	1	*	cm o	cm o	id r r c	ir r r c	
	Cranwell ...	1010.3	-14	SW	5	Z	55	92	6	5	3	-	7-8	9	1500	1006.9	-6	SSW	4	Z	56	85	6	5	-	7-8	7-8	1500	0	*	cm o	cm o	id r r c	ir r r c	
3	Birmingham	1010.7	-12	SSW	4	c	54	92	6	5	-	-	9	9	450	1006.4	-14	SSW	4	c	55	85	6	6	-	9	9	450	1	*	c	c	id r r c	ir r r c	
	Upper Heyford	1013.2	-12	SSW	3	Z	55	97	6	6	2	-	9	10	450	1010.0	-18	SSW	4	id.	55	92	6	6	7	-	9	10	800	1	*	cid m c m	cm d d o	id r r c	ir r r c
4	Ross-on-Wye ...	1010.9	-20	SW	4	d	56	92	7	6	-	-	9	9	1500	1006.2	-28	SSW	6	id.	56	85	7	6	-	9	9	1500	1	*	id b c c	cm d d o	id r r c	ir r r c	
5	Hartland Point	1010.6	-20	WSW	5	c	54	97	6	5	-	-	10	10	800	1005.6	-20	WSW	6	c	55	97	7	5	-	10	10	800	1	4	cid m c m	cm d d o	id r r c	ir r r c	
	Bristol ...	1013.1	-10	S	3	c/r	56	92	7	5	7	-	7-8	10	1500	1009.9	-12	S	5	c	56	92	7	5	-	10	10	1500	1	*	cid m c m	cm d d o	id r r c	ir r r c	
	Portland Bill ...	1014.7	-8	SW	4	dd	55	92	6	5	-	-	10	10	800	1012.3	-18	SW	5	c	56	92	7	5	-	10	10	1500	1	4	cid m c m	cm d d o	id r r c	ir r r c	
	Plymouth ...	1014.6	-12	SW	4	c	56	97	6	5	-	-	10	10	800	1010.5	-22	SW	6	c/r	56	97	6	2	-	10	10	800	1	3	oid m o	oid m o	id r r c	ir r r c	
	The Lizard ...	1014.7	-12	SW	5	c	54	97	6	5	-	-	10	10	1500	1010.2	-12	SW	7	dd	55	97	4	5	-	10	10	1500	1	4	oid m o	oid m o	id r r c	ir r r c	
	Scilly (St. Mary's)	1013.2	-18	SW	5	id.	55	97	4	5	-	-	10	10	800	1008.3	-14	SW	6	c/d	55	97	5	5	-	10	10	1500	1	4	oid m o	oid m o	id r r c	ir r r c	
	Guernsey ...	1017.7	-8	SW	3	c/pr	56	92	7	5	2	-	7-8	10	1500	1014.9	-12	SW	3	c	56	97	7	5	-	10	10	1500	1	3	oid m o	oid m o	id r r c	ir r r c	
6	Pembroke ...	1009.1	-20	SW	5	c/f	55	97	5	5	-	-	10	10	800	1001.6	-32	SW	8	c/r	56	97	6	8	-	9	9	800	1	4	oid m o	oid m o	id r r c	ir r r c	
7	Holyhead ...	1006.1	-20	SSW	5	c	55	85	8	6	7	-	7-8	9	1500	997.0	-58	S	6	ir	54	97	6	2	-	10	10	800	1	4	oid m o	oid m o	id r r c	ir r r c	
	Chester (Sealand)	1008.1	-18	SW	2	c	59	65	8	8	3	-	7-8	9	2500	1001.7	-42	SE	3	ir.	55	75	6	5	-	10	10	1500	1	*	oid m o	oid m o	id r r c	ir r r c	
8	Manchester ...	1008.1	-16	SW	4	c	57	75	7	8	7	6	2-3	7-8	2500	1002.5	-34	d	4	Z	57	75	6	5	-	9	9	2500	1	*	oid m o	oid m o	id r r c	ir r r c	
10	Spurn Head ...	1009.2	-4	SW	3	c	57	85	6	5	7	-	2-3	7-8	2500	1004.7	-28	S	5	c	54	92	5	5	-	9	9	2500	0	3	c	c	id r r c	ir r r c	
	Catterick ...	1006.2	-10	SW	3	c	57	65	7	8	9	-	4-6	9	2500	1001.1	-30	SE	3	c/pr	54	85	6	6	7	-	7-8	9	1500	1	5	cpr.c	c	id r r c	ir r r c
	Tynemouth ...	1005.2	-10	SW	4	c	57	65	6	2	3	1	4-6	7-8	2500	1000.4	-20	SW	3	bc	54	75	6	2	-	4-6	4-6	2500	1	2	c	c	id r r c	ir r r c	
11	St. Abbs Head	1002.2	-6	SSW	4	c	54	75	8	8	6	9	2-3	7-8	2500	996.3	-20	S	3	bc	50	75	8	4	3	1	4-6	4-6	2500	0	2	bc	bc	id r r c	ir r r c
	Leuchars ...	1000.8	-16	WSW	3	c	54	75	7	8	7	1	7-8	9	4000	994.6	-46	SE	4	c	49	85	7	5	-	7-8	7-8	4000	1	*	bc m c c	cm d d o	id r r c	ir r r c	
12	Renfrew (Abbots I.)	1002.1	-10	SSW	3	c	52	85	7	8	7	-	7-8	9	1500	993.5	-54	SW	4	ir.	52	75	6	5	7	-	7-8	10	1500	1	*	bc m c c	cm d d o	id r r c	ir r r c
	Eskdalemuir ...	1003.1	-18	SW	5	c	49	85	6	5	4	-	9	9	800	996.4	-44	SW	6	ir.	49	92	6	5	-	10	10	450	1	*	cm o	cm o	id r r c	ir r r c	
	Point of Ayre ...	1004.5	-16	SW	4	c	54	85	7	8	7	-	1	9	2500	995.8	-28	SW	6	rr	54	92	7	8	2	-	7-8	10	1500	1	3	c	c	id r r c	ir r r c
13A	Tiree ...	994.8	-20	SSW	6	c	51	85	7	6	2	-	7-8	9	1500	988.4	-30	SW	4	c	48	85	7	8	-	9	9	1500	1	4	cid m c m	cm d d o	id r r c	ir r r c	
13B	Stornoway ...	993.8	-14	SSW	5	pr	50	75	7	5	7	7	4-6	9	2500	989.8	-12	SSW	3	PR	44	92	7	8	2	-	7-8	9	2500	1	2	bcpr	c/r q	id r r c	ir r r c
15	Dalwhinnie ...	998.8	-20	SW	5	ir	46	85	7	8	8	4-6	9	2500	992.5	-52	S	6	ir	44	85	6	6	1	-	4-6	9	2500	1	*	c/r r r	c/r	id r r c	ir r r c	
	Aberdeen ...	999.2	-18	SW	3	c	52	75	7	5	9	-	7-8	9	1500	994.9	-30	SSW	3	bc	50	75	7	5	7	-	2-3	2-3	1500	1	1	bbcc	bc	id r r c	ir r r c
	Wick ...	995.7	-4	SSW	3	c	51	85	8	7	2	2-3	7-8	2500	992.0	-24	SSW	3	c	49	92	8	5	7	1	4-6	9	2500	1	2	bc	c	id r r c	ir r r c	
16	Lerwick...	992.2	-2	SW	8	c/prs	49	65	5	8	7	-	7-8	7-8	1500	991.1	-8	SW	6	c	49	85	7	8	7	-	4-6	9	1500	1	*	cpr	cpr		

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 15th November 1939.



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

1 S.E. England	Winds westsouthwest, fresh to strong locally; squally; moderating slowly later; bright periods; showers; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England ↓	Wind westerly, strong, squally, probably gale force locally on the coast, veering northwest; showers of rain and hail with possible thunder; colder than of late.
6 South Wales ... ↓	
7 North Wales ... ↓	
8 N.W. England ↓	
9 N. Midlands ...	Wind southwest to west, fresh, rather squally at times; showers of rain with hail locally; becoming rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man. ↓	
13 { A.W. Scotld. ↓ B.N.W. Scot- land.	Wind westerly fresh, veering northwest, strong and squally on north and west coasts; frequent showers with hail and local thunder and sleet or snow later; becoming cold.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland ↓	Wind westerly, strong, squally, gale locally on coast, veering northwest, moderating later; showers of rain, hail and local thunder; becoming colder.
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 centred northeast of the Faeroes is moving away eastwards. Secondary troughs are crossing the British Isles and a ridge of relatively higher pressure developing on the Atlantic will extend slowly east. Weather will be characterised by bright periods and rather heavy showers. In Western and Northern districts, showers will be of hail with snow at times later in Scotland. Conditions will be cooler in the South and very much colder in the North.

FURTHER OUTLOOK.

Showers and bright periods; rather cold except perhaps in the South.

GALE WARNING.

↓ South Cone hoisted at 08.00 on 14th in Districts 13A (part of) and Districts 17, & 18(part of)

↓ South Cone hoisted at 11.10 on 14th in Districts 6,7,8,12(part of) 19 & 20.

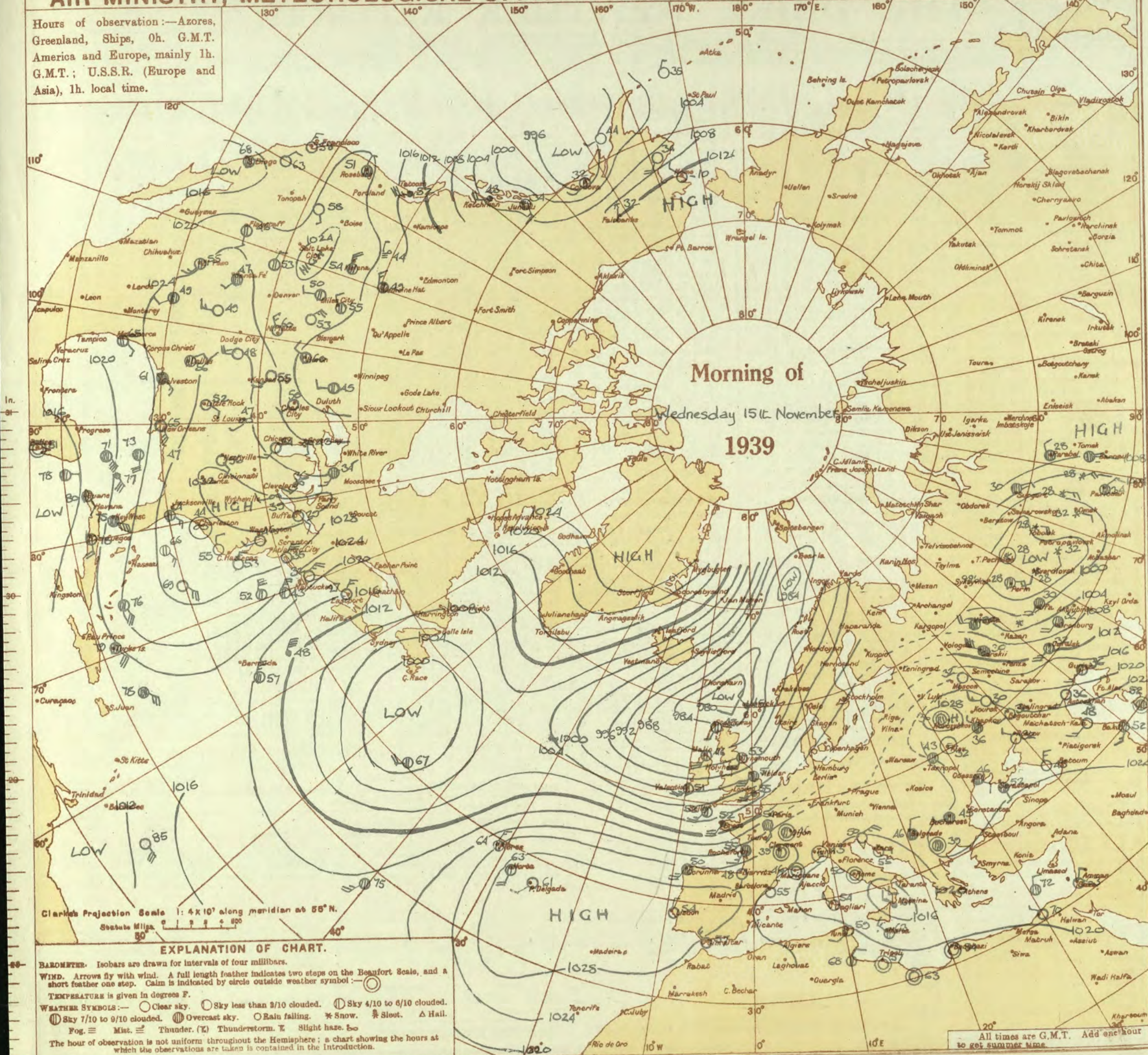
↓ South Cone hoisted at 14.06 on 14th in Districts 5, 6, 7, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20.

Forecast issued at 1200 G.M.T.

N.M.S.O. Press, Cornwall House, London, W.C.2.

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 15th November 1939.

No. 28482

OBSERVATIONS at 1 hr. G.M.T. 15th November.....														OBSERVATIONS at 7 hr. G.M.T. 15th 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. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine 14th-15th. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)			Force. (18)	Form. (23)					Amount. (24)	Height of Base. (feet) (25)	Max. Day 7th-15th °F. (31)	Min. Night 15th-7th °F. (32)			Min. or Frost °F. (33)	Day 7th-15th mm. (34)	Night 15th-7th mm. (35)						
																																Low. (12)	Med. (13)		High (14)	Low (12)	Med. (13)
1	London (Kew) ... 217	1006.9	-20	W	5	RR	35	97	4	6	2	9	10	1500	1004.1	-8	SSW	3	z	49	92	6	5	7	-	Tr	4.6	4000	1	*	56	49	44	Tr	9	0.0	
	Croydon ... 226	1006.5	-14	SWW	4	IR	49	92	6	5	-	10	10	2500	1004.4	-2	SSW	3	bc	45	92	7	5	7	-	0	4.6	-	1	*	56	48	45	0.2	11	0.1	
	S. Farnborough ... 417	1006.3	-6	SW3	3	IR	48	97	5	3	-	10	10	1500	1004.3	-4	SW3	4	bc	44	92	7	5	-	-	2.3	2.3	1500	1	*	55	43	40	Tr	10	0.0	
	Calshot (Stamtn.) ... 8	1007.2	-14	SW	3	rr	51	92	5	2	-	10	10	800	1005.3	0	SW	2	bc	48	97	7	2	3	-	1	2.3	800	1	2	56	47	44	0.2	14	0.0	
	Lympe ... 346	1008.7	-38	SSW	6	c	54	92	7	5	-	9+	9+	1500	1006.7	-6	SW	3	ir	46	97	7	6	2	-	2.3	10	800	1	3	55	46	46	Tr	11	0.7	
	Manston ... 154	1007.2	-38	SSW	7	Gr.	56	85	6	5	-	10	10	800	1005.1	-2	SW	3	Gr.	47	85	6	5	7	-	4.6	9+	1500	1	*	58	47	45	Tr	8	2.3	
2	Shoeburyness ... 11	1006.0	-34	SW3	5	ir	50	92	6	6	-	9+	9+	800	1005.2	-2	SW	3	rr	48	92	7	6	2	-	7.8	10	450	1	*	59	48	47	Tr	12	3.6	
	Felixstowe ... 15	1006.0	-34	SW3	5	ir	50	92	6	6	-	9+	9+	800	1005.2	-2	SW	3	rr	48	92	7	6	2	-	7.8	10	450	1	*	59	48	47	Tr	12	3.6	
	Gorleston ... 5	1004.1	-28	S	6	pr	53	85	6	8	-	9+	9+	2500	1003.3	-6	SSW	3	c	50	85	6	5	-	-	10	10	2500	1	3	56	48	47	-	3	*	
	Mildenhall ... 19	1003.8	-14	WSW	3	Gr.	54	92	6	6	2	7.8	10	1500	1002.6	0	SSW	4	c	48	92	7	5	-	-	10	10	7200	1	*	57	48	44	-	4	0.7	
	Cranwell ... 240	1000.6	-2	SSW	6	o/r	50	85	6	6	-	10	10	800	1000.0	-8	SWW	4	z	46	85	6	5	7	-	4.6	9+	1500	1	*	57	45	43	-	1	0.4	
3	Birmingham ... 535	1004.6	-4	SSW	3	ir	47	92	6	3	-	10	10	2500	1001.3	-6	S	3	bc	43	85	6	7	-	-	0	2.3	-	1	*	56	43	38	Tr	2	0.0	
	Upper Heyford ... 408	1004.6	-4	SSW	3	ir	47	92	6	3	-	10	10	2500	1003.3	-6	SSW	2	bc	44	92	7	5	4	-	4.6	4.6	2500	1	*	56	43	36	Tr	2	*	
4	Ross-on-Wye ... 223	1001.5	-14	SW	4	ir	49	85	6	6	-	9+	9+	1500	1001.5	-14	SW	4	ir	49	85	6	6	-	-	9+	9+	1500	1	*	57	47	42	0.2	4	0.0	
5	Hartland Point ... 299	1004.4	+2	W	6	c	51	75	8	6	2	4.6	9	1500	1000.6	-18	W	7	rr	51	85	8	6	2	-	4.6	10	1500	1	4	56	50	48	0.6	3	0.0	
	Bristol ... 209	1005.1	0	SW	5	c/pr	49	85	6	8	7	4.6	10	1500	1003.1	-10	SSW	3	bc	46	85	8	5	3	8	4.6	4.6	4000	1	*	58	46	40	Tr	6	0.0	
	Portland Bill ... 32	1007.3	-8	WSW	6	rr	52	92	7	5	-	10	10	1500	1004.1	-10	W	3	c	53	85	7	5	4	-	4.6	10	2500	1	4	56	50	*	0.3	7	*	
	Plymouth ... 82	1006.4	-22	W3	7	o	53	85	7	5	-	10	10	1500	1004.4	-14	W3	6	bc	53	75	7	8	-	-	4.6	4.6	1500	1	4	56	51	48	-	2	0.0	
	The Lizard ... 240	1007.6	-10	SW	6	PR	52	92	7	5	-	9	9	1500	1005.9	-10	WSW	6	PR	52	92	7	8	2	-	7.8	9+	1500	1	3	55	50	*	0.5	2	0.0	
	Scilly (St. Mary's) ... 163	1006.7	-6	W3	5	c	52	92	7	5	4	2.3	7.8	1500	1004.4	-14	WSW	6	bc/pr	52	85	7	8	4	-	4.6	4.6	1500	1	4	55	50	*	0.3	1	0.0	
	Guernsey ... 175	1009.3	-16	WSW	3	RR	50	97	6	5	-	10	10	800	1007.5	+4	WSW	3	bc	51	85	7	1	2	-	2.3	2.3	1500	2	4	57	50	45	-	14	0.1	
6	Pembroke ... 142	1002.7	+2	W	7	bcq	52	75	8	8	-	4.6	4.6	800	998.6	-12	W3	7	bcq	53	75	8	5	6	-	4.6	4.6	1500	1	4	57	51	*	2	1	0.0	
7	Holyhead ... 26	997.9	+16	SWW	6	b	45	75	8	1	-	1	1	2500	995.5	-4	SWW	3	c	52	75	8	5	-	-	9+	9+	1500	1	3	55	48	46	3	2	1.3	
	Chester (Sealand) ... 16	999.1	+10	SW	4	z	49	65	8	5	-	2.3	2.3	1500	997.6	*	SE	3	c	47	5	6	3	*	-	4.6	7.8	4000	1	*	63	47	38	Tr	4	2.6	
8	Manchester ... 70	998.9	+6	SWW	4	bc	47	75	7	5	-	2.3	2.3	2500	997.6	-20	SW	4	z	46	92	6	5	-	-	5	5	1500	1	*	59	43	34	Tr	6	0.4	
10	Spurn Head ... 29	998.0	0	SWW	6	o	51	75	7	5	-	10	10	2500	998.1	-10	SW3	4	c	47	85	6	5	-	-	10	10	4000	1	5	57	46	*	-	2	1.2	
	Catterick ... 175	994.3	+6	SWW	5	pr	48	75	8	3	-	1	1	1500	995.2	-10	SSE	2	bc	43	85	8	8	-	-	4.6	4.6	1500	1	*	57	43	36	Tr	11	2.0	
	Tynemouth ... 108	991.9	+10	WSW	6	c/pr	53	75	7	2	-	4.6	4.6	2500	993.0	-10	WSW	4	bc	47	73	6	2	-	-	4.6	4.6	2500	1	2	54	46	4.0	-	1	*	
11	St. Abbs Head ... 280	987.8	+16	W	7	ir	45	75	7	3	2	4.6	10	1500	989.8	-12	SSE	3	c	44	92	8	5	2	-	7.8	9+	2500	0	2	54	43	*	-	4	*	
	Leuchars ... 36	986.1	+2	WSW	4	rr	45	92	6	5	2	9+	10	2500	988.3	-8	S	1	bc/pr	44	92	8	8	-	-	4.6	4.6	1500	1	*	54	43	39	-	15	2.2	
12	Renfrew (Abbots I.) ... 19	989.4	+14	WSW	4	pr	47	85	6	8	-	7.8	7.8	1500	988.6	-16	WSW	4	c/pr	47	85	7	6	-	-	9+	9+	1500	1	*	52	45	4.1	Tr	23	0.1	
	Eskdalemuir ... 794	984.1	+36	W3	6	bc	47	92	8	8	-	2.3	2.3	2500	989.9	-30	SW	6	rr	45	92	5	6	-	-	10	10	450	1	*	51	41	4.0	Tr	19	0.3	
	Point of Ayre ... 30	984.1	+36	W3	6	bc	47	92	8	8	-	2.3	2.3	2500	989.2	-16	W3	6	bc	48	85	5	6	-	-	2.3	2.3	2500	1	4	56	47	*	1	6	0.2	
13A	Tiree ... 22	984.7	-4	SW	1	bc	43	85	7	8	-	4.6	4.6	2500	986.7	+16	NW	3	dd	43	92	7	-	2	-	9+	9+	1500	1	3	52	42	40	8	9	0.	

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 14th November 1939.

No. 28,483.

OBSERVATIONS at 13h. G.M.T. 15th November

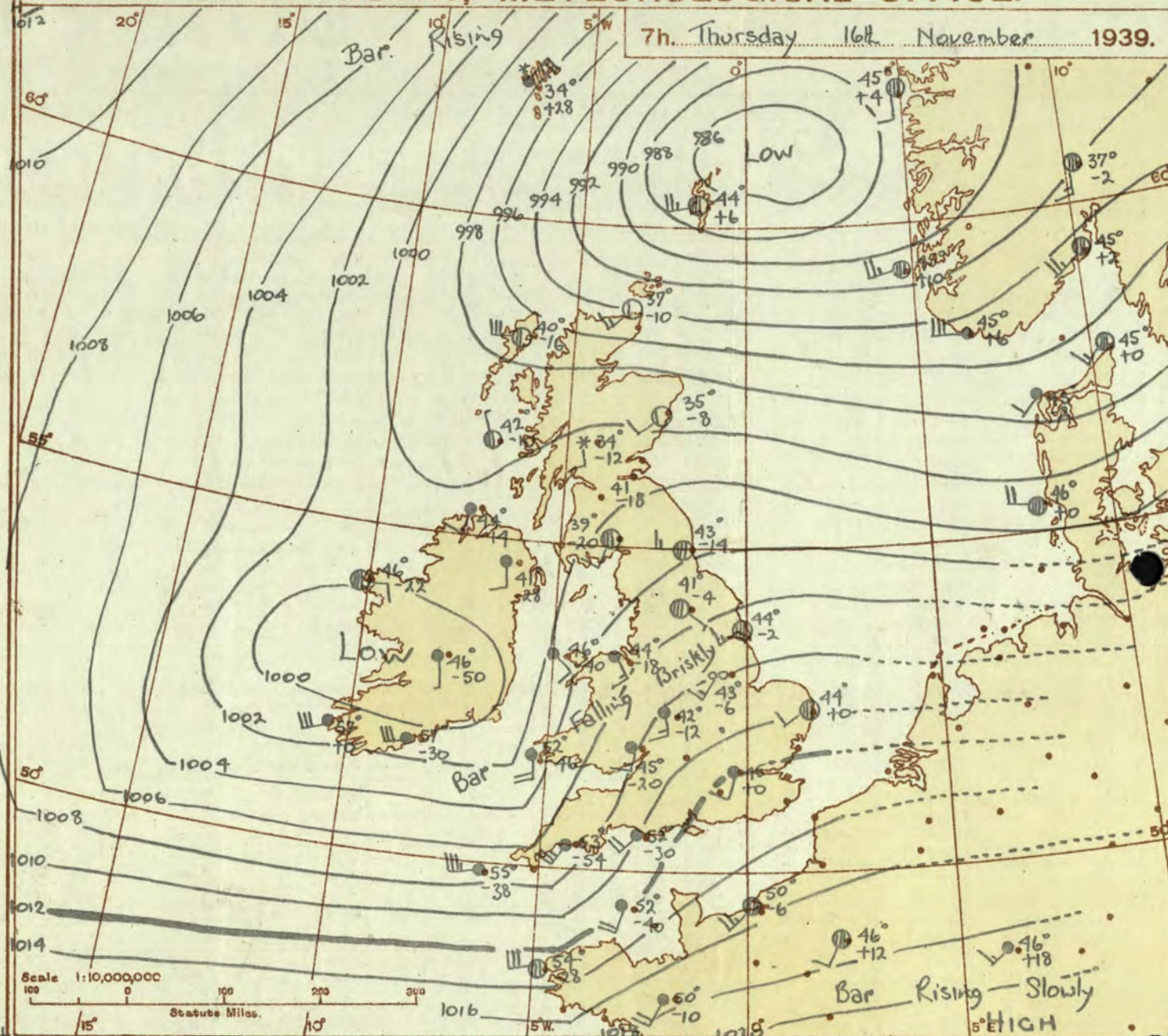
OBSERVATIONS at 18h. G.M.T. 15th November

PAST 24 HOURS.

OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. G.M.T. 15th November															OBSERVATIONS at 18h. 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AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 16th November 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th November, 1939.
1 S.E. England	Wind west, strong to gale on coast, veering northwest, moderating; dull, rainy; some coast and hill fog; bright periods to-morrow; very mild to-day, then colder.
2 E. England	
3 E. Midlands	Wind variable light, finally northwest, freshening; dull, rainy, local coast fog later; bright periods to-morrow; average temperature, then colder.
4 W. Midlands	
5 S.W. England	Wind west, fresh inland, strong to gale on coasts, veering northwest to north, decreasing fresh; dull, some rain early, then considerable bright periods; very mild; becoming colder.
6 South Wales	
7 North Wales	
8 N.W. England	Wind variable light, becoming northwest fresh, perhaps strong on coast; dull, rainy; bright periods, local showers of wintry type in places tomorrow; becoming colder.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Wind west, veering northwest to north, light increasing fresh to strong; cloudy, some rain with sleet and snow on hills; bright periods and wintry showers; rather cold to cold.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	Wind veering northerly, fresh to strong; bright periods, wintry showers; cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind northwest to north, fresh, perhaps strong on coast, moderating backing southwest in the South later; cloudy early, then bright periods, local coast showers; rain in the Southwest to-morrow; becoming rather cold.
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 almost stationary near the Shetlands. A vigorous system over Southern Ireland will move quickly east across the Southern half of the Kingdom with westerly gales in the English Channel area. Following a period of general rain, bright periods will spread from the west accompanied by a fall in temperature. There will be some sleet and snow in the North, especially on the high ground.

FURTHER OUTLOOK.

A temporary fine interval in East England;
rain spreading from the southwest.

Times of Issue of Gale Warnings.

South Cone hoisted at 0145 on 16th in districts
part of 5, 6, 17, 19, 20. and at 0715 on 16th in
districts 1, 2, part of 5, and 7.

Forecasts issued at

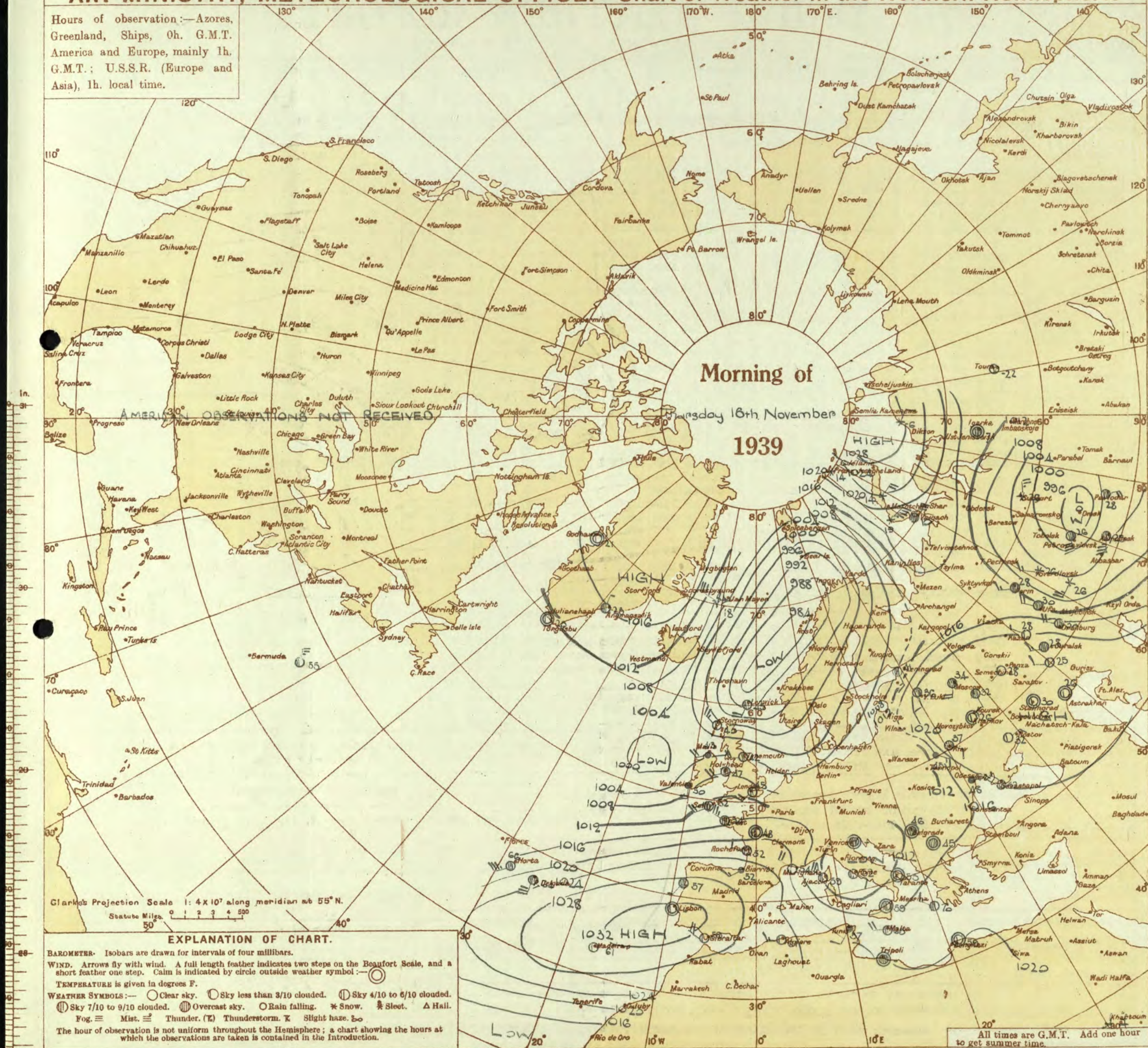
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

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

G. 472/3777. Wc. 8109. D. 4626 Gp 348. 24300 11/2

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.

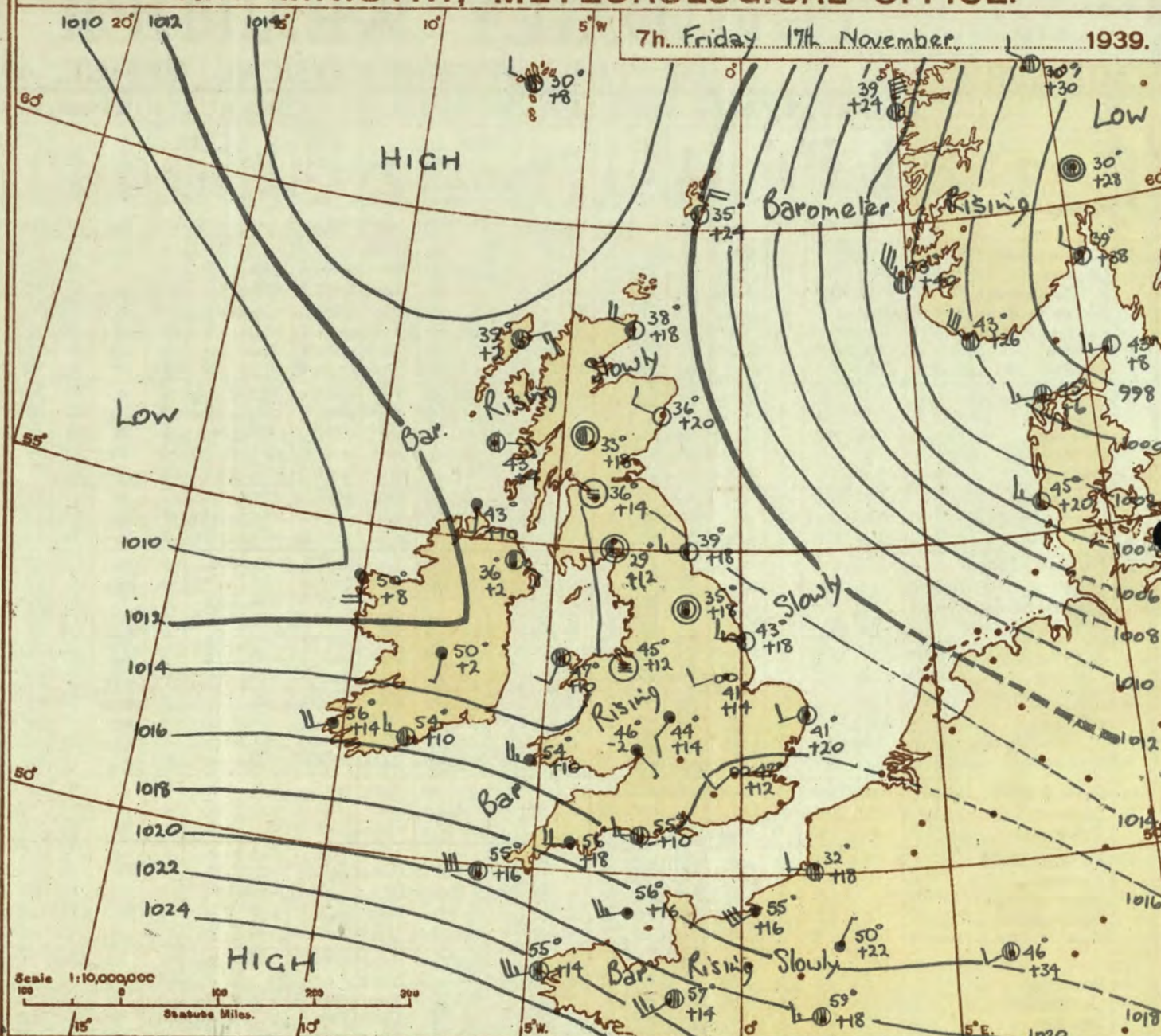
OBSERVATIONS at 1 hr. G.M.T. 16th November.....															OBSERVATIONS at 7 hr. G.M.T. 16th November.....															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE (Hrs.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					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).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. or Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th Friday 17th November 1939.



DISTRICTS.

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

1 S.E. England	Light variable wind; cloudy, occasional slight rain; some mist or fog; becoming milder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate or fresh westerly winds; cloudy, occasional drizzle; very mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 1-4
9 N. Midlands ...	
10 N.E. England	Light variable wind; fair at first, slight rain later; fog on low ground; rather cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W.Scot- land.	Light or moderate southeast wind; cloudy, some rain; becoming milder.
14 Mid Scotland	As 10 - 12.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 5 - 7.
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.

An anticyclone over Portugal is spreading north and pressure is rising over Western Europe, while falling in Iceland. Mild west winds will spread slowly to all districts with slight rain or drizzle and much fog or mist.

FURTHER OUTLOOK.

Westerly winds; cloudy generally, but little rain in the South; mild, especially in the South.

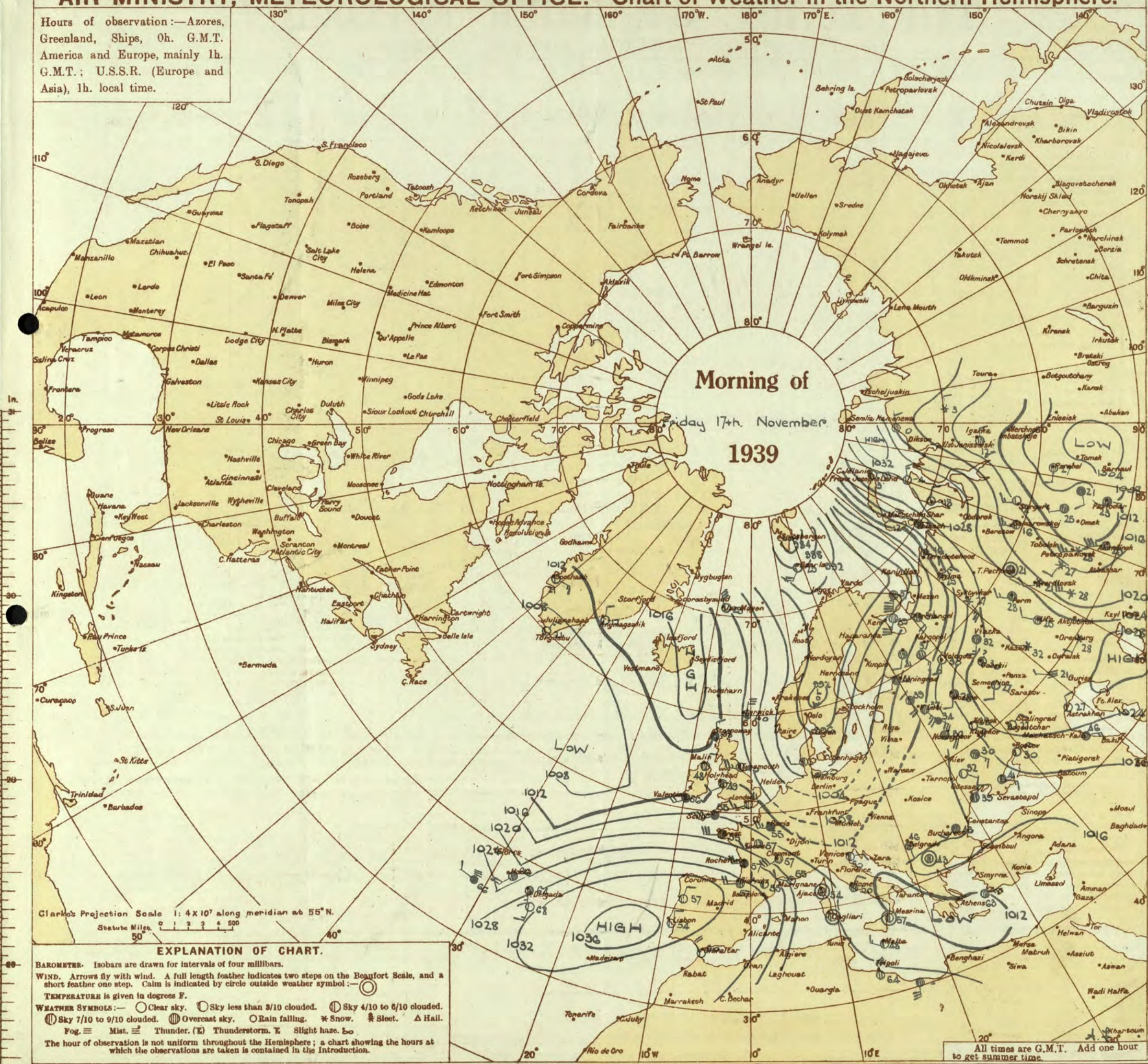
Forecasts issued at
H.M.S.O. Press, Cornwall House

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

0.472/9177, No. 8109, D. 4626, Gp. 349, 24300 11/39

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. 17th November.....														OBSERVATIONS at 7 hr. G.M.T. 17th 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. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)	Force. (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)							
																																Low. (12)	Med. (13)	High (14)		Low (26)	Med. (27)	High (28)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1016.3	+14	SSW	1	47	32	5	5	7	-	4-6	10	2500	1	*	58	45	37	12	Tr	0.0				
	Croydon	217	1013.3	+30	WSW	3	z.	41	92	6	-	3	-	0	2.3	-	1016.2	+12	SW	2	z.	47	85	6	5	-	10	10	4000	1	*	57	(41)	38	11	-	0.0	
	S. Farnborough	226	1013.3	+28	SW	1	bc	42	92	7	5	-	-	2.3	2.3	4000	1016.4	+16	-	0	46	92	5	-	2	-	10	10	2500	1	*	57	42	37	11	0.3	0.0	
	Boscombe Down	417	1013.7	+26	SW	1	z.	46	92	6	5	-	-	7.8	7.8	1500	1016.4	+16	-	0	47	97	5	-	2	-	10	10	800	1	*	55	44	41	9	0.3	0.0	
	Calshot (St. Mary's)	8	1013.9	+30	-	0	z.	49	92	6	5	3	-	4.6	3	2500	1016.5	+16	-	0	49	97	4	-	2	-	10	10	800	1	*	58	47	45	8	1	0.0	
	Lymington	346	1013.3	+36	WNW	2	bc	42	92	6	5	-	-	4.6	4.6	4000	1016.7	+14	WN	1	44	85	6	5	7	-	7.8	10	4000	1	*	55	41	38	14	Tr	0.0	
	Manston	154	1012.0	+30	WN	2	z.	43	92	6	-	-	-	0	0	-	1016.3	+22	WN	3	z.	46	75	6	5	2	-	4.6	3	2500	1	*	57	41	39	10	Tr	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1016.1	+22	W	2	m	46	85	4	5	7	-	2.3	10	5700	1	*	57	42	33	9	-	0.0			
	Felixstowe	15	1010.9	+38	W	3	z.	44	92	6	5	-	-	Tr	Tr	2500	1014.8	+32	W	3	z.	45	85	6	-	2	-	0	9	-	2	33	42	36	6	-	0.0	
	Gorleston	5	1003.5	+36	WSW	3	b	42	85	6	-	-	-	0	0	-	1014.5	+20	WSW	2	c	41	92	6	5	3	-	4.6	7.8	2500	1	2	48	40	36	5	-	x
	Mildenhall	19	1011.1	+32	W	3	z.	40	97	5	-	4	-	0	2.3	-	1015.5	+20	SWW	2	z.	43	97	5	-	7	-	0	9	-	1	48	38	33	6	-	0.0	
	Cranwell	240	1010.6	+34	WNW	3	z.	40	85	6	5	-	3	1	4.6	2500	1014.6	+14	W	2	z.	41	97	5	-	9	9	4000	1	*	48	39	36	4	Tr	0.0		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1013.8	+14	SW	2	ir.	44	92	6	-	7	-	0	10	-	1	*	48	43	37	6	0.2	0.0			
	Upper Heyford	408	1013.1	+26	W	2	bc	44	92	7	5	7	-	4.6	4.6	1500	1016.6	+22	-	0	44	97	6	-	7	-	0	10	-	1	*	57	41	31	12	0.3	*	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1015.7	+10	SE	1	ro	46	92	5	6	-	-	10	10	800	1	*	59	46	40	10	1	0.0			
5	Hartland Point	299	1012.7	+8	W	4	dF	53	97	1	-	-	-	10	10	1150	1015.4	+14	W	5	dF	34	97	5	-	-	10	10	1150	1	4	55	52	51	5	3	0.0	
	Bristol	209	1013.8	+24	W	1	c	46	85	6	5	2	-	2.3	10	2500	1015.7	+10	W	5	id.	47	97	5	-	9	10	800	1	*	56	44	37	7	0.4	0.0		
	Portland Bill	32	1013.8	+28	NW	3	c	53	92	8	5	-	-	10	10	4000	1015.8	+10	W	3	o	53	92	7	5	-	10	10	2500	1	3	57	51	*	4	10	*	
	Plymouth	82	1014.5	+18	W	4	d.	56	97	6	-	2	-	10	10	800	1017.7	+18	WN	4	id.	56	97	5	-	-	10	10	800	1	3	55	56	55	4	0.6	0.0	
	The Lizard	240	1015.6	+18	W	5	DD	55	97	4	5	-	-	10	10	1500	1018.9	+28	W	5	o	55	97	7	5	-	10	10	1500	1	3	56	55	*	3	2	0.0	
	Scilly (St. Mary's)	163	1015.3	+14	W	6	id.	55	97	4	5	-	-	10	10	800	1018.6	+16	W	6	o/d	55	97	5	-	-	10	10	800	1	4	56	54	*	1	1	0.0	
	Guernsey	175	1015.4	+14	W	5	ro	56	97	6	5	-	-	10	10	1500	1016.6	+16	W	5	ro	56	97	6	5	-	10	10	800	1	5	57	55	55	-	2	0.0	
6	Pembroke	142	1013.2	+6	-	0	d.	50	97	5	5	-	-	10	10	800	1014.3	+10	WN	5	ro	54	97	5	-	-	10	10	800	1	3	56	49	*	5	2	0.0	
	Holyhead	26	1011.7	+12	W	5	c	49	65	8	5	-	-	10	10	2500	1013.7	+10	SSW	2	c	47	75	7	5	2	-	4.6	10	4000	1	1	50	46	46	2	-	0.3
	Chester (Sealand)	16	1012.2	+22	W	2	z.	46	75	5	5	-	-	4.6	4.6	2500	1014.8	+12	SE	1	e/p	45	85	3	5	-	9	9	1500	1	*	45	44	40	4	Tr	0.0	
8	Manchester	70	1011.8	+22	NW	1	z.	41	92	6	5	-	-	3	3	1500	1014.8	+14	W	1	m	43	92	4	5	7	-	4.6	9	2500	1	*	45	37	29	3	-	0.0
10	Spurn Head	29	1009.0	+22	NW	6	b	42	75	7	-	4	-	0	1	-	1014.2	+18	WNW	5	bc	43	85	6	-	4	-	0	2.3	-	0	2	45	41	*	3	-	0.0
	Catterick	175	1009.3	+26	NW	1	bc	41	85	8	5	-	-	2.3	2.3	2500	1014.2	+18	-	0	c	35	97	8	5	4	5	7.8	9	4000	1	*	44	35	27	2	-	0.0
	Tynemouth	108	1008.6	+28	W	3	bc	40	75	7	2	-	-	4.6	4.6	2500	1013.3	+18	W	3	bc	39	75	6	2	-	2.3	2.3	2500	1	1	45	39	33	0.4	-	*	
11	St. Abbs Head	280	1008.6	+30	WNW	4	bc	42	85	8	5	-	-	2.3	2.3	2500	1013.2	+22	WNW	3	c	43	75	8	5	6	3	4.6	7.8	2500	0	2	45	42	*	Tr	-	*
	Leuchars	36	1003.5	+32	-	0	bc	38	85	8	-	3	-	0	4.6	-	1013.4	+22	-	0	c	36	92	8	8	3	-	2.3	7.8	4000	1	*	47	35	27	-	-	3.7
12	Renfrew (Abbots I.)	19	1010.9	+26	SSW	1	z.	36	97	6	5	-	-	4.6	4.6	4000	1014.0	+14	-	0	cf	36	97	2	5	-	9	9	2500	1	*	47	34	30	0.3	Tr	2.4	
	Eskdalemuir	794	1010.2	+14	W	4	c	49	85	8	5	2	-	7.8	10	2500	1014.6	+12	-	0	b	39	97	8	5	3	-	1	1	4000	3	2	44	23	*	2	-	0.9
	Point of Ayre	30	1010.2	+14	NW	4	c	49	85	8	5	2	-	7.8	10	2500	1013.2	+12	WN	1	bc	42	92	8	8	4	6	Tr	4.6	2500	1	1	49	42	*	1	-	0.6
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1012.5	+4	E	1	c	43	85	8	5	-	-	5	5	2500											

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 18th November 1939.
No. 28,485

OBSERVATIONS at 13h. G.M.T. 17th November

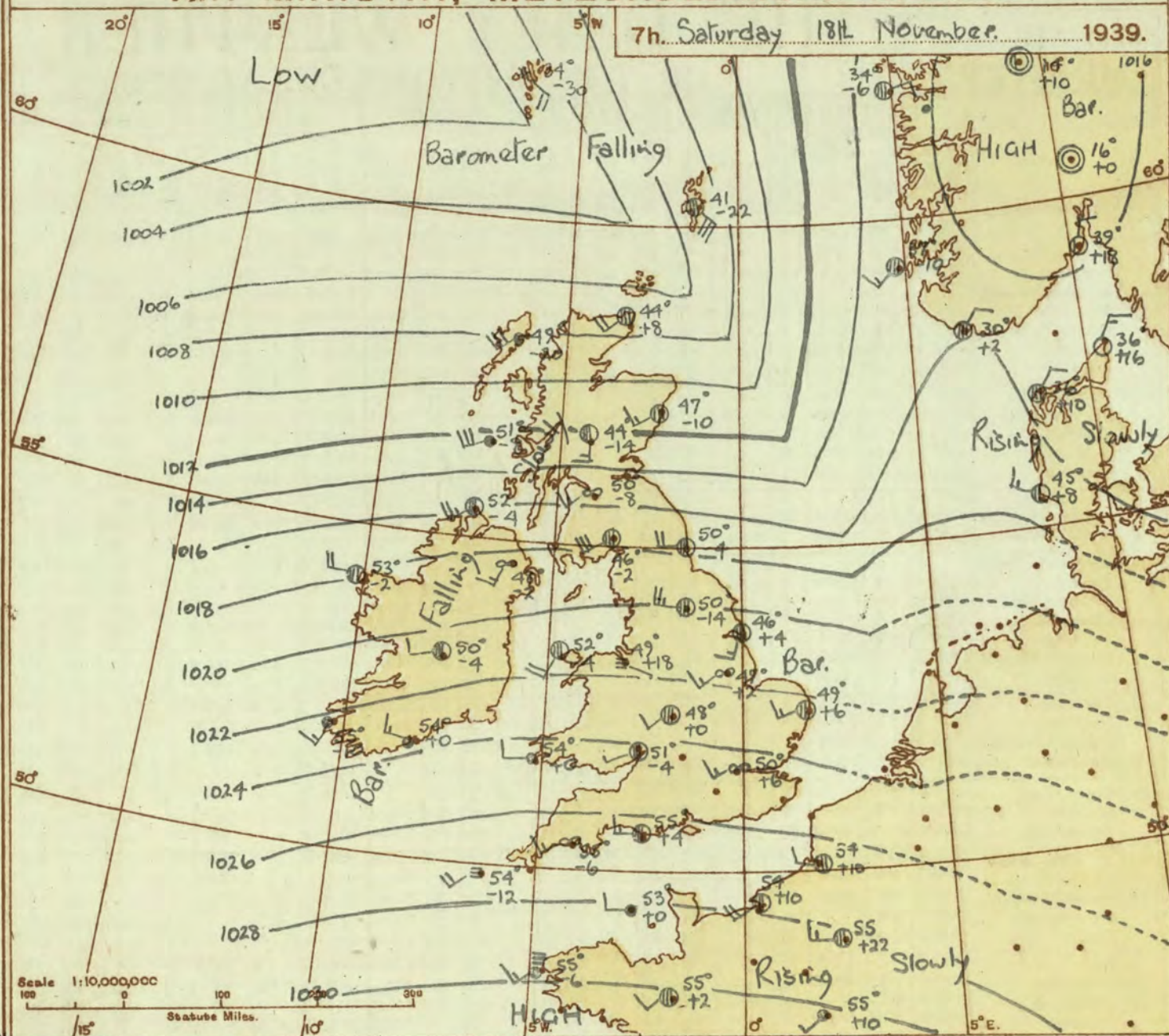
OBSERVATIONS at 18h. G.M.T. 17th November

PAST 24 HOURS.

OBSERVATIONS at 18h. G.M.T. 17th November														PAST 24 HOURS.																					
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Visibility. 0-9 (23)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Dir.	Force. 0-12 (4)					Low.	Med.	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Dir.					Force. 0-12 (18)	Low.	Med.	High (25)			Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	7h.—13h. 17th (37)	13h.—18h. 17th (38)	18h.—1h. 18th (39)	1h.—7h. 18th (40)
1	London (Kew)...	1018.1	+4	SW	1	id.	49	92	6	5	-	-	10	1500	1019.4	+14	W	2	m	54	97	4	5	-	-	10	10	450	1	*	ci. id. mo.	Of id. mo.	cm. w.		
	Croydon ...	1018.0	+2	-	0	id.	49	97	6	5	2	-	2-3	10	1500	1019.8	+16	W'S	3	z.	55	97	5	6	2	-	9	10	450	2	*	ci. id. mo.	ci. id. mo.	cm. w.	
	S. Farnborough	1017.7	+6	W'N	4	dd	55	97	5	6	2	-	7-8	10	450	1020.3	+18	W'N	4	c	54	97	6	5	-	-	10	10	450	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Boscombe Down	1017.9	+8	W'S	1	o/d	53	97	5	6	2	-	10	10	800	1020.5	+22	W	3	z.	57	92	6	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Calshot (Soton.)	1018.9	+10	WSW	1	ir.	48	85	7	5	-	-	10	10	5700	1020.1	+10	WSW	2	f	47	97	3	-	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Lymington	1018.6	+10	WSW	2	z.	49	75	6	5	7	-	7-8	10	4000	1019.9	+4	-	0	dd.	48	92	4	5	-	-	10	10	800	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
2	Shoeburyness ...	1018.4	+6	SW	2	m	50	85	4	5	7	-	7-8	10	4000	1019.6	+12	-	0	ro.	50	97	5	5	6	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Felixstowe ...	1017.8	+14	WNW	2	z.	49	85	6	5	7	-	4-6	9	1500	1019.3	+10	WSW	2	z.	48	85	5	5	7	-	9	9	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Gorleston ...	1017.7	+16	W	2	bc	47	85	6	5	5	-	2-3	4-6	2500	1018.8	+4	SW	2	bc	47	85	6	5	4	-	2-3	4-6	2500	0	2	ci. id. mo.	ci. id. mo.	cm. w.	
	Mildenhall ...	1017.9	+14	W'S	2	z.	50	75	6	5	7	-	2-3	9	5700	1019.4	+18	W'S	2	z.	48	85	6	5	-	-	10	10	2500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Cranwell ...	1016.7	+10	WSW	1	ir.	49	85	6	5	7	-	9	10	2500	1018.7	+18	SSW	2	z.	47	92	5	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
3	Birmingham	1017.2	+2	-	0	ir.	45	92	4	6	2	-	7-8	10	1500	1018.5	+14	WSW	3	cf	50	97	3	5	-	-	9	9	800	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Upper Heyford	1017.6	+6	SSW	2	id.	48	97	6	5	2	-	7-8	10	450	1019.3	+6	SSW	1	z.	52	97	5	5	7	-	9	9	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
4	Ross-on-Wye ...	1016.7	0	SW	2	z.	53	92	6	5	-	-	10	10	1500	1019.8	+24	SW	2	id.	57	85	7	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
5	Hartland Point	1017.4	+8	WSW	4	id.	55	97	5	5	2	-	9	10	450	1022.4	+22	WNW	4	f	54	97	3	-	-	-	10	10	1500	1	4	ci. id. mo.	ci. id. mo.	cm. w.	
	Bristol ...	1018.6	+16	W	4	c	56	92	7	5	4	-	4-6	9	4000	1021.9	+18	WNW	3	c	56	92	7	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Portland Bill ...	1020.2	+18	WNW	4	c/d	58	92	6	5	-	-	10	10	800	1023.8	+18	WNW	4	z.	57	92	5	5	-	-	10	10	800	1	3	ci. id. mo.	ci. id. mo.	cm. w.	
	Plymouth ...	1022.7	+20	W	5	df	53	97	2	5	-	-	10	10	1500	1024.7	+20	W	5	df	55	97	1	5	-	-	10	10	800	1	3	ci. id. mo.	ci. id. mo.	cm. w.	
	The Lizard ...	1022.2	+18	WSW	5	f	50	97	3	5	-	-	10	10	450	1024.9	+20	W	5	f	54	97	2	-	-	-	10	10	1500	1	3	ci. id. mo.	ci. id. mo.	cm. w.	
	Scilly (St. Mary's)	1021.4	+12	WNW	5	r. r.	56	97	5	5	-	-	10	10	800	1024.2	+16	WNW	3	q. pr.	56	97	5	5	-	-	10	10	800	1	5	ci. id. mo.	ci. id. mo.	cm. w.	
	Guernsey ...	1017.5	+10	WNW	6	f	55	97	1	-	-	-	10	10	1500	1021.2	+14	WNW	4	c	54	97	6	8	-	-	9	9	1500	1	2	ci. id. mo.	ci. id. mo.	cm. w.	
6	Pembroke ...	1015.5	+8	SE	2	c/r	50	97	6	5	2	-	9	10	800	1018.5	+14	W'S	2	ir.	53	92	6	6	2	-	9	9	1500	1	2	ci. id. mo.	ci. id. mo.	cm. w.	
7	Holyhead ...	1016.4	+14	S'E	1	z.	49	85	5	5	2	-	7-8	10	2500	1018.7	+16	SE	1	df	50	92	3	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
8	Chester (Sealand)	1016.5	+2	-	0	c/r	50	65	6	-	3	7	0	10	-	1018.5	+12	S	1	ro.	47	97	4	6	2	-	9	9	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Manchester ...	1016.5	+2	-	0	c/r	50	65	6	-	3	7	0	10	-	1018.5	+12	S	1	ro.	47	97	4	6	2	-	9	9	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
10	Spurn Head ...	1017.2	+14	-	0	c	49	85	4	-	4	8	0	9	-	1018.4	+4	-	0	f	47	92	3	-	2	-	0	10	-	0	0	ci. id. mo.	ci. id. mo.	cm. w.	
	Catterick ...	1016.5	+8	-	0	z.	45	75	6	5	3	-	2-3	7-8	4000	1017.8	+8	S	1	z.	43	85	6	5	2	-	4-6	10	2500	1	4	ci. id. mo.	ci. id. mo.	cm. w.	
	Tynemouth ...	1015.9	+12	NNW	3	bc	47	75	6	2	3	-	4-6	4-6	2500	1017.3	+6	SE	2	c	47	75	6	5	-	-	10	10	1500	1	1	ci. id. mo.	ci. id. mo.	cm. w.	
11	St. Abbs Head	1016.0	+14	-	0	c	43	75	8	2	6	1	4-6	7-8	2500	1016.3	0	SE	2	q. r.	43	85	7	8	2	-	4-6	10	2500	0	1	ci. id. mo.	ci. id. mo.	cm. w.	
	Leuchars ...	1015.8	+6	E	2	c	46	65	8	3	-	-	7-8	9	4000	1016.1	-2	SE	1	z.	42	85	6	5	2	-	7-8	10	4000	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
12	Reufrow (Abbots L.)	1015.8	+6	ESE	2	cf	43	85	3	5	-	-	9	9	4000	1015.5	-2	ESE	1	df	43	97	3	5	-	-	10	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Eskdalemuir ...	1015.9	+8	-	0	c	41	75	8	-	3	-	9	9	4000	1016.7	+2	-	0	dd.	40	85	6	-	2	-	10	10	2500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Point of Ayre ...	1015.7	+10	-	0	c	50	85	8	2	-	-	2-3	10	1500	1016.6	+10	W'S	2	c/d	50	97	7	8	1	-	7-8	10	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
13A	Tiree ...	1012.9	-2	SE	3	c	48	75	8	5	-	-	9	9	2500	1010.2	-14	SSW	4	dr	51	97	7	-	2	-	4	9	1500	1	4	ci. id. mo.	ci. id. mo.	cm. w.	
13B	Stornoway ...	1014.9	0	SE	3	c	43	65	8	5	7	-	4-6	9	2500	1011.0	-26	SE	5	c	45	65	8	5	7	-	4-6	10	2500	1	3	ci. id. mo.	ci. id. mo.	cm. w.	
15	Dalwhinnie ...	1015.7	+2	-	0	c	37	85	7	4	3	-	2-3	9	2500	1015.3	-6	S	4	ir.	38	85	7	4	2	-	4-6	10	2500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
	Aberdeen ...	1016.1	+10	NNW	2	b	42	65	8	1	3	-	Tr	1	4000	1016.8	-4	-	0	f	35	85	3	5	-	-	7-8	7-8	4000	1	1	ci. id. mo.	ci. id. mo.	cm. w.	
	Wick ...	1016.0	+10	NE	2	bc	41	65	8	5	4	-	2-3	2-3	2500	1015.3	-6	SE	3	c	41	65	8	5	5	1	4-6	7-8	1500	1	2	ci. id. mo.	ci. id. mo.	cm. w.	
16	Lerwick ...	1014.9	+10	N'W	4	bc	39	85	8	8	4	-	4-6	4-6	1500	1016.0	+6	E	1	bc	37	75	7	8	3	-	4-6	4-6	1500	1	*	ci. id. mo.	ci. id. mo.	cm. w.	
17	Blacksod Point...	1014.5	+16	W	2	c	55	97	7	5	-	-	9	9	450	1017.2	+23	WSW	4	id.	54</														

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 18th November 1939.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th November, 1939

1 S.E. England	Moderate southwest wind; cloudy; local drizzle and coast fog; very mild
2 E. England ...	Light or moderate southwest wind; mainly cloudy, bright intervals locally; perhaps local drizzle; very mild.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Moderate or fresh southwest wind; cloudy, some drizzle; local coast and hill fog; very mild.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 2 - 4.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 5 - 8
13 { A.W.Scotld. B.N.W.Scot- land.	Wind southwest, strong at times; cloudy, rain at times; mild.
14 Mid Scotland	
15 N.E. Scotland	As 2 - 4.
16 Orkneys and Shetlands	As 15 - 14.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	As 5 - 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.

Pressure is high over Spain and low over Iceland. Depression will move northeast on the Atlantic. Weather will be of a mild southwest type with local drizzle chiefly in the west, and heavier rain in the extreme northwest.

FURTHER OUTLOOK.

Mild for some days, with southwest to west winds; rain at times in northwest districts, but only small amounts of rain in the southeast.

Forecasts issued at

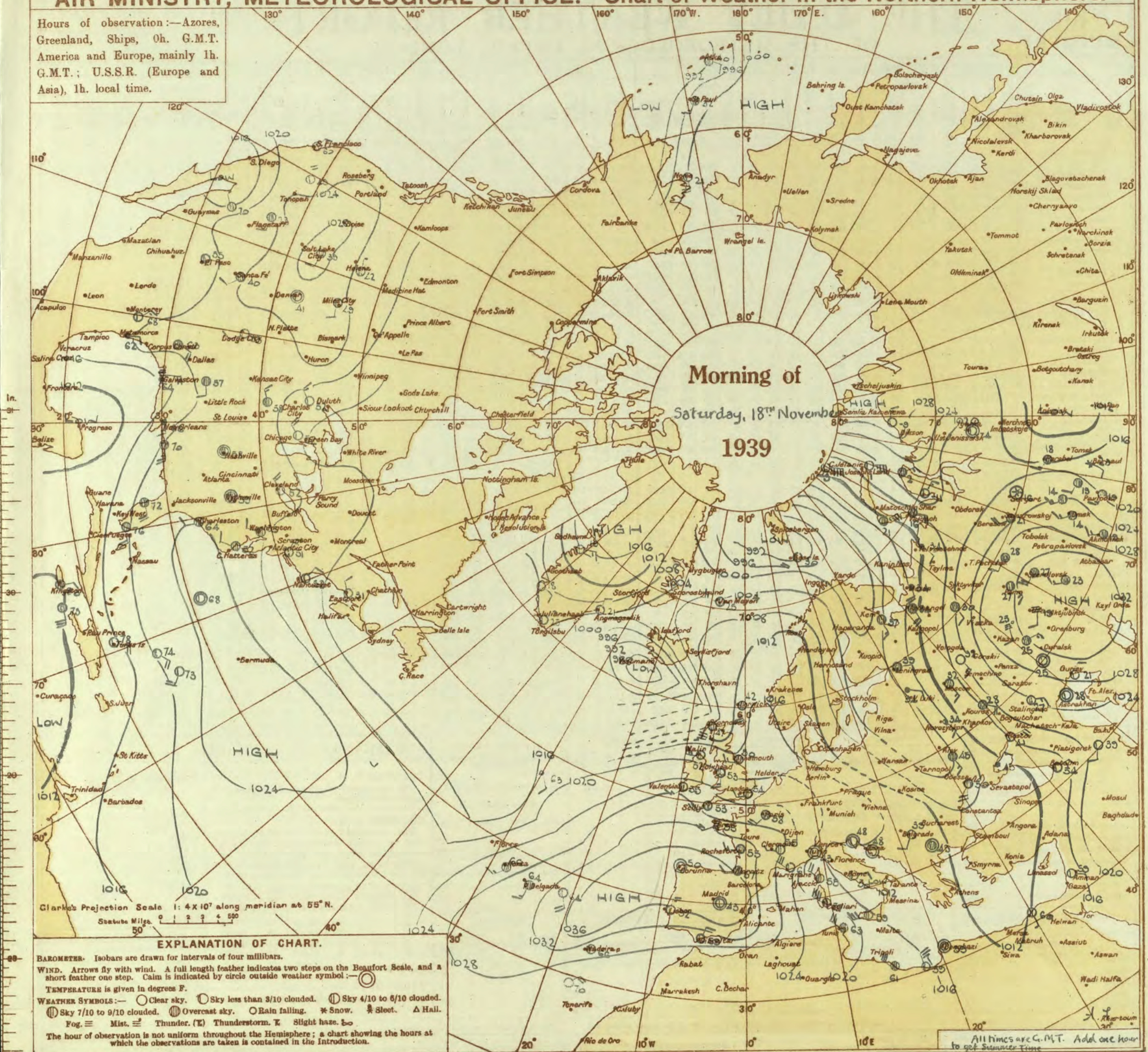
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

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

0.472/9777, No. 8100, D. 4626, Sp. 349, 24300, 11/39

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. 18th November														OBSERVATIONS at 7 hr. G.M.T. 18th 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.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 17th Hrs. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)	Force. (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)								
																																Low. (12)	Med. (13)	High (14)	Low. (26)		Med. (27)	High (28)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1025.1	+6	WSW	2	Z.	49	97	6	S	-	-	9+	9+	4000	1	*	54	49	43	1	Tr	0.0				
	Croydon	217	1023.1	+18	WS	3	Z.	54	97	6	S	-	-	4.6	4.6	2500	1025.2	+6	WSW	3	Z.	50	97	6	S	-	9	9	4000	1	*	54	49	43	1	Tr	0.0		
	S. Farnborough	226	1023.7	+4	WSW	2	Z.	52	97	6	S	-	-	4.6	4.6	2500	1025.6	+2	SSW	2	Z.	49	97	6	S	3	-	4.6	9+	2500	1	*	55	47	42	2	0.1	0.0	
	Boscombe Down	417	1024.5	+6	W	3	C	53	97	7	S	-	-	9+	9+	450	1025.3	0	WS	1	C	53	92	7	S	-	9+	9+	1500	1	*	55	51	49	3	-	0.0		
	Calshot (Stmnt.)	8	1024.3	+14	WS	2	Z.	55	97	5	S	-	-	10	10	1500	1025.8	+2	WSW	2	Z.	53	97	6	S	2	-	9+	10	1500	1	1	58	53	52	1	-	0.0	
	Lympe	346	1023.1	+6	WSW	3	Z.	53	97	5	S	-	-	10	10	1500	1025.3	0	WSW	3	Z.	48	97	6	S	2	7	-	Tr	9+	2500	1	2	49	48	43	1	0.2	0.0
	Manston	154	1022.5	+10	SWW	2	OF	51	97	3	S	-	-	10	10	800	1024.8	+8	WS	2	Z.	49	92	6	S	3	-	4.6	9	1500	1	*	59	47	45	0.3	0.1	0.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1024.5	+8	WS	3	M	49	97	4	S	7	-	-	4.6	10	5700	1	*	51	49	41	Tr	0.2	0.0			
	Felixstowe	15	1020.9	+4	W	2	M	49	97	4	S	-	-	9	9	2500	1023.1	+10	W	2	Z.	47	97	6	S	3	-	2.3	5	3700	1	2	51	44	41	Tr	-	0.0	
	Gorleston	5	1020.0	+4	SWW	2	C	47	92	5	S	-	-	10	10	1500	1022.0	+6	WSW	3	bc	45	85	6	S	-	4.6	4.6	1500	0	2	50	45	44	-	-	*		
	Mildenhall	19	1021.3	+10	WSW	3	Z.	49	97	5	S	-	-	2.3	2.3	2500	1023.2	+4	SWW	3	Z.	47	97	6	-	3	8	0	3	-	1	*	53	46	39	-	Tr	0.6	
	Cranwell	240	1020.0	+10	SW	4	Z.	51	92	5	S	-	-	1	1	500	1021.3	+2	SWW	3	Z.	47	97	6	-	7	-	0	7.8	-	0	*	49	45	43	Tr	Tr	0.8	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1022.8	0	SW	2	C	48	85	6	-	7	-	-	0	9+	-	1	*	50	48	44	2	-	0.0			
	Upper Heyford	408	1023.1	+13	WS	1	D	49	97	7	S	-	-	Tr	Tr	2500	1024.4	+2	SSW	2	M	45	87	4	S	3	-	2.3	7.8	5700	1	*	52	43	30	0.6	Tr	*	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1023.7	+4	WSW	1	C	51	85	7	S	7	-	-	2.3	9+	2500	1	*	58	50	43	1	Tr	0.0			
5	Hartland Point	299	1025.3	+8	W	3	0	53	97	8	S	-	-	10	10	1500	1024.8	-12	WSW	4	df	53	97	3	-	-	10	10	1500	1	3	54	53	53	2	Tr	0.0		
	Bristol	209	1024.5	+10	SWW	4	bc	52	97	7	S	-	-	4.6	4.6	800	1025.4	+2	WS	3	0.4	53	97	6	S	-	10	10	1500	1	*	55	51	47	3	0.1	0.0		
	Portland Bill	32	1025.8	+14	WNW	3	C	54	92	7	S	-	-	10	10	4000	1025.8	+4	W	3	C	55	92	7	S	-	10	10	4000	1	3	57	52	*	1	-	*		
	Plymouth	82	1026.8	+6	WNW	3	0	55	92	7	S	-	-	10	10	800	1027.0	-6	SWW	3	Z.	53	97	6	S	-	10	10	800	1	2	58	54	53	1	Tr	0.0		
	The Lizard	240	1027.9	+12	W	4	df	53	97	2	S	-	-	10	10	1500	1027.3	-8	WSW	2	df	53	97	2	S	-	10	10	450	1	3	55	52	*	1	0.1	0.0		
	Scilly (St. Mary's)	163	1028.1	+6	WSW	4	0/f	53	97	7	S	-	-	10	10	1500	1026.4	-12	SW	4	f	53	97	2	S	-	10	10	1500	1	2	55	53	*	0.1	0.2	0.0		
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	1027.8	0	W	2	ir	53	97	7	S	-	-	-	10	10	1500	1	3	57	53	51	-	0.2	0.0			
6	Pembroke	142	1024.3	+12	W	4	C	54	97	7	S	-	-	7.8	7.8	2500	1024.5	0	W	4	dd	54	97	5	S	-	10	10	1500	1	2	55	53	*	1	-	0.0		
7	Holyhead	26	1022.0	+16	S	3	C	53	85	7	S	-	-	7.8	7.8	2500	1021.6	-4	SSW	4	C	52	85	7	S	-	10	10	1500	1	2	53	50	43	3	Tr	0.0		
	Chester (Sealand)	16	1021.7	+18	WSW	3	Z.	53	85	5	S	-	-	2.3	2.3	4000	1021.9	+8	SEE	1	C/f	49	85	5	S	2	-	7.8	10	4000	1	*	50	46	38	0.3	0.3	0.0	
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1021.8	-6	SW	3	Z.	45	82	6	S	7	-	-	7.8	9+	4000	1	*	51	40	37	1	1	0.4			
10	Spurn Head	29	1019.3	+2	WS	3	b	48	92	6	-	-	-	0	0	-	1020.7	+4	SSW	3	C	46	92	6	-	3	0	7.8	-	1	3	49	46	*	-	Tr	1.9		
	Catterick	175	1017.7	+2	S	1	b	51	85	7	S	-	-	1	1	500	1017.0	+4	WN	5	C	50	75	8	S	5	-	Tr	9+	2500	1	*	46	43	33	Tr	-	0.6	
	Tynemouth	108	1016.5	+2	W	3	bc	50	85	7	2	-	-	2.3	2.3	2500	1016.0	-4	W	4	C	50	85	6	S	-	7.8	7.8	1500	1	2	48	44	39	-	0.2	*		
11	St. Abbs Head	280	1013.3	-14	SW	5	bc	48	85	8	4	-	-	2.3	2.3	2500	1012.4	-16	WSW	6	Cq	48	75	8	S	7	-	4.6	7.8	2500	0	4	44	40	*	Tr	-	*	
	Leuchars	36	1013.2	-6	W	2	Z.	42	87	6	S	-	-	1	1	1500	1012.7	-2	WSW	4	bc	48	85	7	S	3	-	2.3	4.6	4000	1	*	46	40	35	-	1	1.2	
12	Renfrew (Abbotsl.)	19	1016.0	+2	SWW	2	Z.	49	85	6	S	-	-	2.3	2.3	2500	1015.9	-8	SW	3	Z.	50	85	6	S	-	3	9+	4000	1	*	44	42	39	0.1	3	0.0		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1017.1	-2	SWW	3	C	46	92	6	S	2	-	-	2.3	10	1500	1	3	42	39	*	Tr	1	1.0			
	Point of Ayre	30	1019.5	+24	WNW	5	bc	52	85	8	4	-	-	2.3	2.3	2500	1018.8	-4	W	5	C	51	92	7	S	-	2.3	10	1500	1	3	52	48	*	Tr	0.4	0.1		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1003.3	-8	WSW	6	PR	51	92	7	8	-	-	-	7.8	7.8	1500	1	5	51	50	44	2	1	0.7			
13B	Stornoway	80	1007.2	+30	SSW	6	C	47	85	7	8	-	-	7.8	7.8																								

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

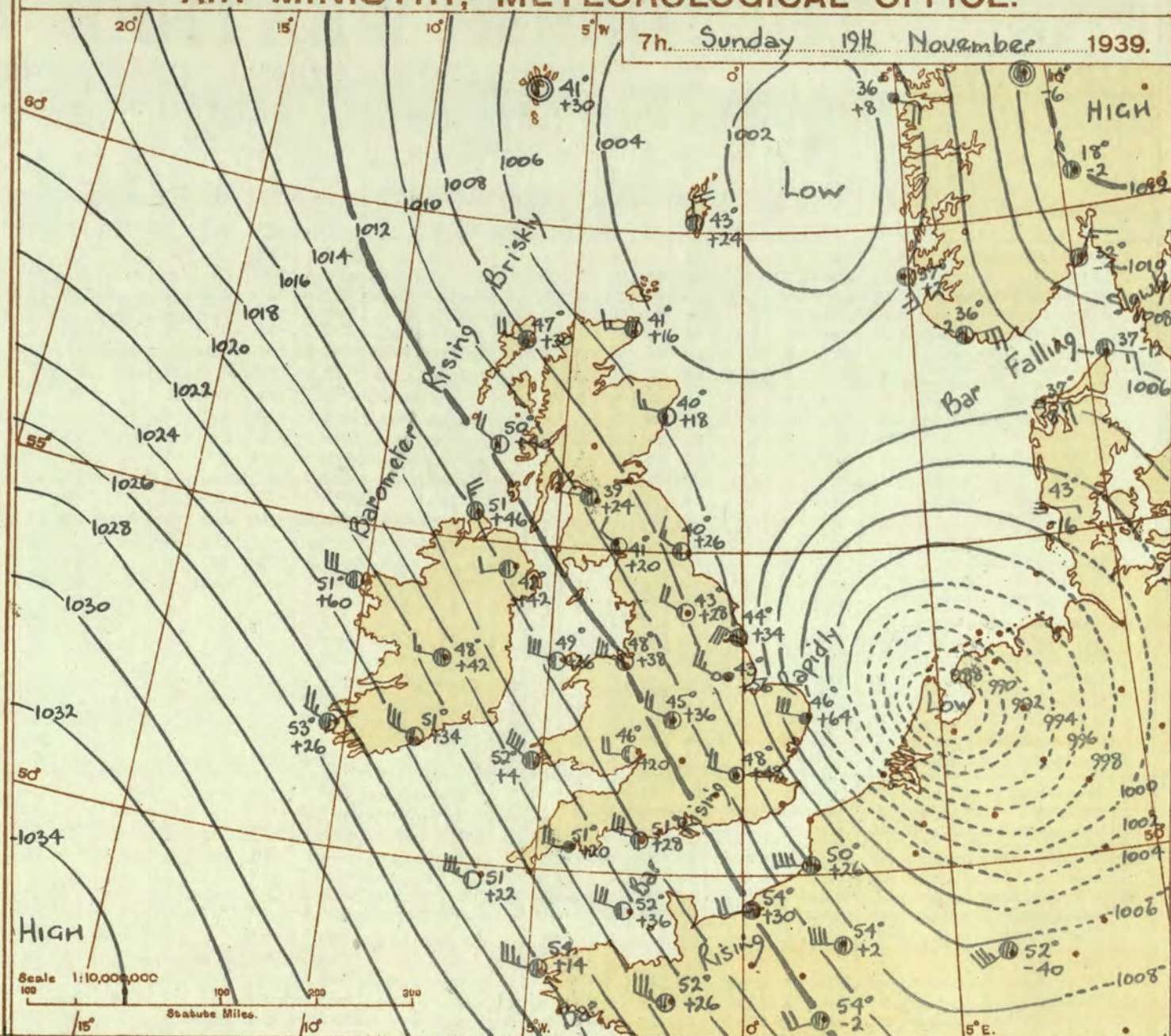
Sunday 13th November 1939.

No. 28486

OBSERVATIONS at 13h. G.M.T. 13th November														OBSERVATIONS at 18h. G.M.T. 13th November														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-6 (29)	Sea. 0-9 (30)	WEATHER.					
				Dirsec. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Low. (23)					Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)			7h.—13h. 13th (37)	13h.—18h. 13th (38)	18h.—1st 19th (39)	1st.—7h. 19th (40)		
1	London (Kew)...	1022.8	-2.0	SW	3	z	53	92	5	5	-	-	10	10	1500	1017.1	-38	S	2	id.	53	97	5	5	-	-	10	10	1500	1	*	ovg wcm	cld mo	crsrm	crbcmz
	Croydon ...	1023.7	-1.4	SW	2	z	55	85	6	5	2	-	5	10	1500	1018.2	-38	S	3	id.	53	97	5	6	2	-	7-8	10	1500	1	*	cm	crsrm	cd rro	crbcmz
	S. Farnborough	1022.7	-2.8	SSW	3	z	55	85	7	6	2	-	4-6	10	1500	1017.2	-36	S/E	2	id.	53	97	5	5	-	-	10	10	450	1	*	cm	rrsrm	cd rro	crbcmz
	Boscombe Down	1023.3	-2.0	SWW	3	z	53	87	6	5	2	-	4-6	10	800	1016.8	-42	SW'S	2	id.	54	97	5	5	-	-	10	10	450	1	*	cm	rrsrm	cd rro	crbcmz
	Calshot (Soton.)	1023.5	-2.2	SW	4	z	54	97	6	6	2	-	10	10	800	1017.9	-36	SWW	4	id.	55	97	6	6	2	-	4-6	10	450	1	2	cm	rrsrm	cd rro	crbcmz
	Lymington	1023.6	-2.0	WSW	3	z	52	97	7	5	7	-	4-6	10	800	1019.2	-30	SSW	3	df	52	97	2	-	-	-	10	10	450	1	2	cm	rrsrm	cd rro	crbcmz
	Manston	1023.1	-1.8	WSW	3	z	53	92	6	5	2	-	4-6	10	2500	1019.0	-22	SSW	2	rr	52	97	5	6	2	-	7-8	10	1500	1	*	cm	rrsrm	cd rro	crbcmz
2	Shoeburyness ...	1022.8	-2.0	SW	4	z	54	85	5	5	2	-	1	10	4000	1018.7	-18	SSW	2	rr	52	97	5	2	-	-	10	10	800	1	*	cm	rrsrm	cd rro	crbcmz
	Felixstowe ...	1021.6	-1.6	W'S	3	z	53	92	5	5	-	-	10	10	4000	1018.1	-22	W	4	rr	51	97	5	-	2	-	10	10	5700	1	2	cm	rrsrm	cd rro	crbcmz
	Gorleston ...	1020.6	-1.6	SWW	3	z	51	85	6	5	-	-	4-6	10	2500	1016.3	-16	WSW	3	c	52	85	6	5	-	-	10	10	2500	0	2	bc	rrsrm	cd rro	crbcmz
	Mildenhall ...	1021.0	-1.8	SWW	3	z	53	92	6	5	7	-	7-8	10	5700	1016.9	-22	SSW	2	rr	52	97	5	6	2	-	4-6	10	1500	1	*	cm	rrsrm	cd rro	crbcmz
	Cranwell ...	1019.3	-1.4	SW	3	z	52	85	6	-	7	-	0	10	-	1015.6	-30	SW	2	rr	49	97	5	6	2	-	4-6	10	800	1	*	cm	rrsrm	cd rro	crbcmz
3	Birmingham	1020.2	-1.2	WSW	3	z	53	75	4	-	2	-	0	10	9+	1015.1	-34	SSW	2	rr	52	97	5	6	-	-	10	10	800	1	*	c	rrsrm	cd rro	crbcmz
4	Upper Heyford	1021.5	-2.4	W	4	z	53	92	7	5	7	-	4-6	10	450	1016.5	-30	SW	2	dd	52	92	5	6	2	-	9	10	220	1	*	cm	rrsrm	cd rro	crbcmz
	Ross-on-Wye ...	1021.2	-1.6	SW	2	z	54	92	6	2	-	2-3	10	1500	1014.7	-40	S	3	ir	53	97	6	6	-	-	10	10	1500	1	*	cm	rrsrm	cd rro	crbcmz	
5	Hartland Point	1021.4	-3.2	SSW	4	z	54	97	3	-	-	-	10	10	4150	1015.3	-26	W	5	c	54	97	7	6	2	-	7-8	10	1500	1	4	cm	rrsrm	cd rro	crbcmz
	Bristol ...	1022.7	-2.2	SW'S	3	z	54	92	7	6	2	-	2-3	10	800	1016.1	-34	SSW	4	dr	55	97	5	5	2	-	7-8	10	800	1	*	cm	rrsrm	cd rro	crbcmz
	Portland Bill ...	1023.6	-2.0	SW	2	z	54	92	6	5	-	-	10	10	800	1017.5	-28	W	5	rr	55	85	7	5	-	-	10	10	1500	1	4	cm	rrsrm	cd rro	crbcmz
	Plymouth ...	1023.4	-2.4	SW	4	dd	56	97	5	-	2	-	10	10	450	1019.0	-20	SWW	6	id.	55	97	6	5	-	-	10	10	2500	1	4	cm	rrsrm	cd rro	crbcmz
	The Lizard ...	1024.0	-2.0	SW	5	z	55	97	2	5	-	-	10	10	800	1020.1	-20	SW	5	c	54	97	8	8	2	-	7-8	9	1500	1	3	cm	rrsrm	cd rro	crbcmz
	Scilly (St. Mary's)	1024.3	-1.0	SWW	5	z	55	97	5	5	-	-	10	10	1500	1018.6	-22	SW	5	c	55	97	7	5	2	-	7-8	9	1500	1	3	cm	rrsrm	cd rro	crbcmz
	Guernsey ...	1025.0	-2.6	W'S	4	z	56	97	6	5	-	-	10	10	800	1021.5	-18	WSW	3	c	56	92	7	8	3	-	7-8	10	2500	1	4	cm	rrsrm	cd rro	crbcmz
6	Pembroke ...	1021.0	-1.6	SW'S	4	z	54	97	6	5	-	-	10	10	800	1012.7	-36	WSW	7	rr	54	97	6	5	-	-	10	10	1500	1	3	cm	rrsrm	cd rro	crbcmz
7	Holyhead ...	1009.3	-1.4	SW'S	4	z	54	92	7	5	7	-	7-8	10	450	1012.7	-38	SSW	2	rr	53	97	6	6	2	-	9	10	800	1	1	cm	rrsrm	cd rro	crbcmz
	Chester (Sealand)	1019.3	-8	WSW	3	z	56	75	8	5	2	-	4-6	9+	5700	1013.7	-26	SE	1	rr	53	85	6	-	2	-	0	10	2500	1	*	cm	rrsrm	cd rro	crbcmz
8	Manchester ...	1019.4	-1.6	SWW	2	z	53	85	5	-	7	7	0	10	-	1013.7	-38	SE'S	1	ir	52	85	4	5	-	-	9	10	4000	1	*	cm	rrsrm	cd rro	crbcmz
10	Spurn Head ...	1018.5	-8	SWW	4	z	51	85	5	5	-	7	7-8	10	4000	1015.1	-16	SW'S	2	c	49	92	5	5	-	-	10	10	1500	0	1	cm	rrsrm	cd rro	crbcmz
	Catterick ...	1016.2	+4	W	4	z	53	75	8	-	7	4-6	10	4000	1013.2	-20	S	2	c	51	85	7	5	2	-	4-6	10	2500	1	5	cm	rrsrm	cd rro	crbcmz	
	Tynemouth ...	1014.7	-10	W	5	z	53	75	6	2	3	1	4-6	7-8	2500	1012.9	-14	SW	2	c	51	75	6	5	-	-	9	9	1500	1	1	cm	rrsrm	cd rro	crbcmz
11	St. Abbs Head	1013.1	+4	WSW	6	bcq	53	65	8	7	6	-	2-3	4-6	4000	1010.1	-10	W	2	c	47	75	7	5	1	-	2-3	7-8	2500	0	2	bcc	rrsrm	cd rro	crbcmz
	Leuchars ...	1012.3	-6	W	4	z	54	65	8	8	-	6	2-3	7-8	4000	1008.9	-14	SW	2	bc	46	85	6	-	7	-	0	2-3	-	1	bc	rrsrm	cd rro	crbcmz	
12	Renfrew (Abbots L.)	1015.1	-2	WSW	3	z	52	85	8	3	8	-	7-8	7-8	2500	1010.8	-34	SWW	2	zo	48	92	6	5	2	-	2-3	10	1500	1	*	cm	rrsrm	cd rro	crbcmz
	Eskdalemuir ...	1015.7	-14	SWW	5	z	49	85	7	5	7	1	4-6	7-8	1500	1011.4	-24	SW'S	3	c	46	92	6	5	1	-	4-6	10	1500	1	*	cm	rrsrm	cd rro	crbcmz
	Point of Ayre ...	1015.0	-8	W	4	z	53	92	7	5	7	-	2-3	10	2500	1011.9	-32	W	3	rr	51	97	7	-	2	-	10	10	2500	1	1	c	rrsrm	cd rro	crbcmz
13A	Tiree ...	1007.9	+14	WSW	7	pr	48	75	7	8	7	-	7-8	9	2500	1008.7	-18	WSW	3	c	49	85	7	5	-	-	10	10	1500	0	3	cm	rrsrm	cd rro	crbcmz
13B	Stornoway ...	1007.0	+2	SW	4	z	46	75	7	4	4	5	2-3	9	2500	1007.6	-20	S	2	c	43	75	7	4	1	-	2-3	10	2500	0	*	cm	rrsrm	cd rro	crbcmz
15	Dalwhinnie	1012.5	+2	SW	4	z	46	75	7	4	4	5	2-3	9	2500	1009.6	-20	S	2	c	43	75	7	4	1	-	2-3	10	2500	0	*	cm	rrsrm	cd rro	crbcmz
	Aberdeen ...	1010.0	0	W	3	z	53	65	8	-	6	0	1	-	-	1008.0	-14	SW	1	c	47	65	4	-	6	0	7-8	-	0	1	bcc	rrsrm	cd rro	crbcmz	
	Wick ...	1006.3	+6	WSW	4	bc/pr	49	85	8	5	7	3	4-6	4-6	1500	1005.9	-10	SW	4	c	45	85	8	5	7	2	7-8	9	1500	1	2	cm	rrsrm	cd rro	crbcmz
16	Lerwick...	1003.3	-14	E'S	5	z	44	92	7	8</																									

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 19th November 1939.



DISTRICTS.

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

- 1 S.E. England
- 2 E. England
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England
- 6 South Wales ...
- 7 North Wales ...
- 8 N.W. England
- 9 N. Midlands ...
- 10 N.E. England
- 11 S.E. Scotland
- 12 S.W. Scotland & Isle of Man.
- 13 { A.W. Scotld.
B.N.W. Scot-
land.
- 14 Mid Scotland
- 15 N. E. Scotland
- 16 Orkneys and Shetlands
- 17 N. W. Ireland
- 18 N. E. Ireland
- 19 S. E. Ireland
- 20 S. W. Ireland

ALL DISTRICTS.

Fresh northwest wind, strong locally on coast, moderating; bright intervals, local showers, chiefly near coasts; average temperature.

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 over Northwest Germany is moving quickly eastwards. A new anticyclone is developing off our southwest coasts and small disturbances are likely to move round it. There will only be local showers in the next 24 hours but the general outlook is unsettled.

FURTHER OUTLOOK.

Increasing cloud and rather unsettled weather with northwest to west winds.

Time of Issue of Gale Warnings.

North Cone hoisted 0155 on 19/11/39 in districts 1 and 2.

Forecasts issued at

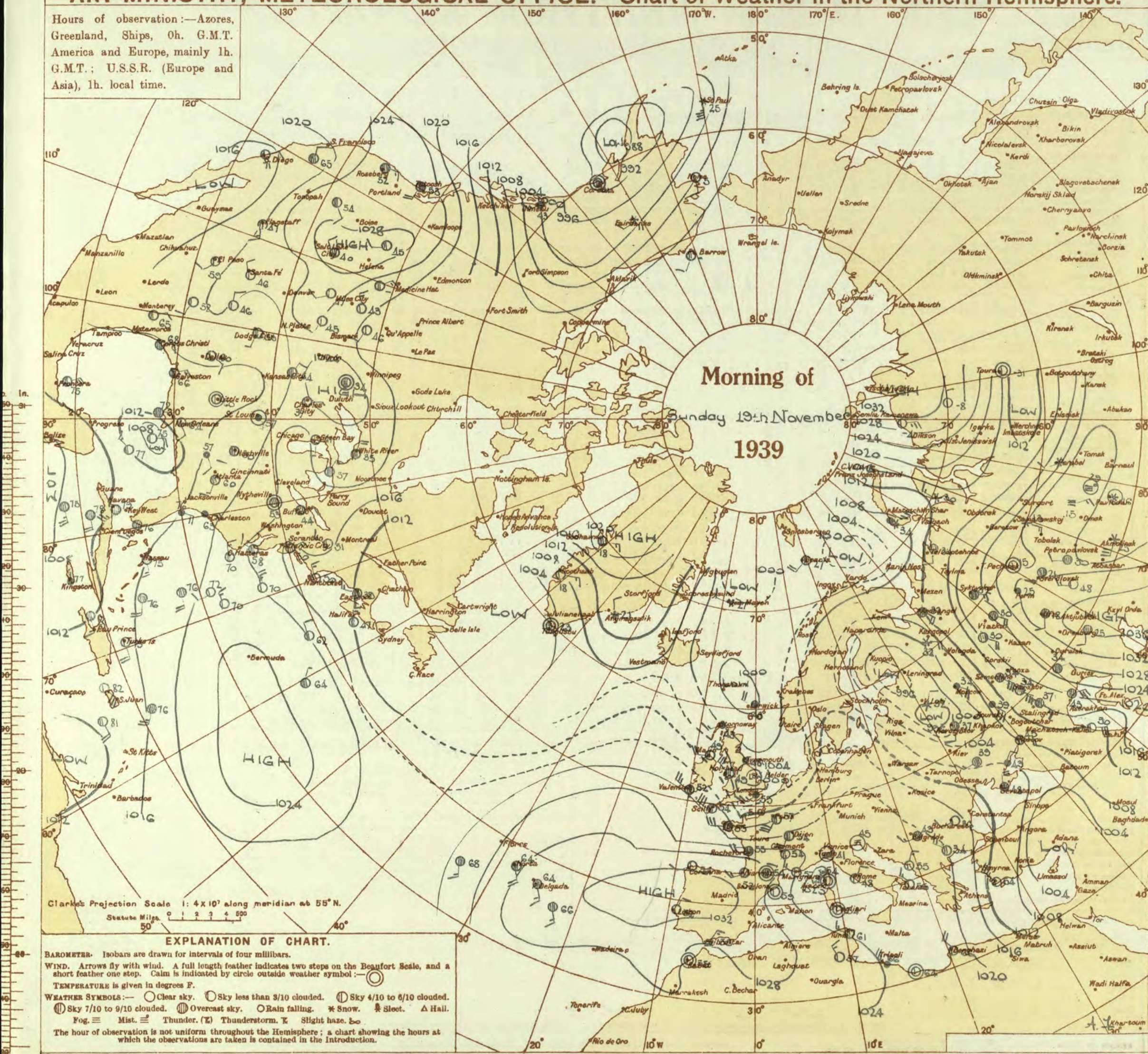
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, 25, G.M.T.

0.475/5777, 116.6109, 0.4676, 0.4676, 0.4676, 0.4676

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. 19th November														OBSERVATIONS at 7 hr. G.M.T. 19th November														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. (6)	Humid. (7)	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. (20)	Humid. (21)	Visibility.	Cloud.				Sea. (30)	TEMPERATURE.			RAINFALL.			Sun- shine (36)				
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-13h °F.	Min. Night 13h-7h °F.		Min. or Grass °F.	Day 7h-13h mm.	Night 13h-7h mm.								
																															0-12	0-10	0-10		0-10	0-10	0-9	0-9
1	London (Kew)	18																																				
	Croydon	217	1003.6	-82	SW	5	rr	55	32	6	6	2	-	4-6	10	800	1003.6	+48	WNW	4	bc	48	75	7	5	3	-	4-6	4-6	1500	1	5	53	48	45	2	5	0.0
	S. Farnborough	226	1003.6	-74	SW	6	rr	55	32	6	5	1	-	10	10	2500	1010.8	+80	W	4	z	47	75	6	5	3	-	2-3	2-3	4000	1	5	52	46	43	2	3	0.0
	Boscombe Down	417	1006.3	-46	NW	5	rr	51	85	6	2	-	-	10	10	4000	1012.6	+38	WNW	5	bc	48	85	8	-	-	3	0	2-3	-	1	5	54	45	42	5	6	0.0
	Calshot (St. Mary's)	8	1005.8	-62	WNW	6	rr	56	57	5	6	2	-	9	10	800	1012.2	+44	WNW	5	bc	48	75	7	2	-	1	1	1500	1	2	55	47	46	5	8	0.0	
	Lympne	346	1005.4	-78	SW	6	rr	52	97	4	6	-	-	10	10	1500	1006.4	+34	WNW	6	c	48	65	8	5	-	9	9	2500	1	5	52	47	46	4	6	0.0	
	Manston	154	1003.6	-78	SW	6	rr	53	92	3	6	2	-	9	10	800	1004.3	+40	WNW	7	pr	48	75	6	5	-	10	10	1500	1	5	53	47	45	4	11	0.4	
2	Shoeburyness	11																																				
	Felixstowe	15	1002.7	-70	SSW	4	rr	52	97	5	6	2	-	7-8	10	1500	1002.3	+56	WNW	8	rr	45	97	5	6	2	-	9	9	1500	1	5	53	43	43	1	14	0.0
	Gorleston	5	1001.7	-80	SSE	2	rr	50	92	6	6	-	-	10	10	1500	1000.0	+64	NW	6	rr	46	92	6	6	-	-	10	10	1500	1	3	52	46	45	-	30	*
	Mildenhall	19	999.3	-94	SSW	5	rr	53	97	5	6	2	-	9	10	1500	1005.3	+56	WNW	6	rr	45	85	7	5	-	-	10	10	1500	1	5	54	48	43	2	17	0.0
	Cranwell	240	997.8	-80	SW	4	rr	51	97	4	6	-	-	10	10	1800	1007.7	+36	NW	5	z	43	85	6	-	7	-	0	2-3	-	1	5	52	43	39	1	28	0.4
3	Birmingham	535																																				
	Upper Heyford	408	1002.8	-58	WNW	7	bc	50	85	8	5	-	-	4-6	4-6	1500	1011.4	+36	NW	4	c	45	75	8	5	7	-	7-8	7-8	800	1	5	53	45	41	2	13	0.0
4	Ross-on-Wye	223																																				
	Hartland Point	299	1011.4	+36	NNW	5	c	51	92	8	6	2	-	4-6	9	1500	1015.3	+4	NNW	5	c	51	75	8	6	-	-	7-8	7-8	1500	1	4	55	49	47	7	7	0.0
	Bristol	209	1007.5	-14	W	4	c	50	85	6	3	2	-	4-6	3	1500	1014.0	+22	W	5	c	46	85	7	5	3	-	9	9	2300	1	5	55	46	42	3	10	0.0
	Portland Bill	32	1003.0	-30	NNW	5	c	54	85	7	5	-	-	7-8	7-8	1500	1013.8	+28	NW	6	bc	51	85	8	5	-	-	4-6	4-6	4000	1	5	56	50	*	6	3	*
	Plymouth	82	1012.3	+6	NW	4	c	53	97	7	5	-	-	7-8	7-8	800	1018.4	+20	NNW	5	rr	51	75	6	5	-	-	10	10	1500	1	3	56	51	47	5	5	0.0
	The Lizard	240	1016.0	+28	NW	7	c	53	92	8	8	2	-	7-8	10	1500	1021.0	+22	NW	7	c	51	65	8	6	-	-	7-8	7-8	2500	1	4	55	50	*	2	2	0.0
	Scilly (St. Mary's)	183	1017.6	-46	NW	7	c	54	85	7	8	7	-	4-6	9	1500	1022.3	+22	NW	7	b	51	75	8	4	-	-	1	1	1500	1	4	55	51	*	1	1	0.0
	Guernsey	175	1012.1	-46	W	6	rr	56	97	6	5	-	-	10	10	1500	1017.6	+36	NNW	6	bc	52	65	7	1	7	-	2-3	2-3	2500	1	5	57	51	45	0.3	2	0.0
6	Pembroke	142	1011.4	+18	NNW	8	c	52	85	8	8	-	-	9	9	1500	1015.4	+4	NNW	8	c	52	85	8	8	-	-	9	9	800	1	3	55	50	*	19	7	0.0
7	Holyhead	26	1008.8	+22	NNW	6	bc	49	75	7	2	-	-	2-3	2-3	2500	1013.4	+26	NNW	6	c	49	85	8	5	-	-	7-8	7-8	2500	1	3	54	48	45	2	6	0.0
	Chester (Sealand)	16	1005.6	+20	NNW	5	rr	49	92	4	9	2	-	2-3	10	1500	1012.2	+38	NNW	6	c	48	85	6	8	2	-	7-8	7-8	1500	1	5	57	47	42	0.5	18	0.3
8	Manchester	70	1004.2	0	NW	4	rr	47	97	4	6	2	-	4-6	10	800	1010.6	+34	NNW	3	pr	45	85	6	8	-	-	7-8	7-8	1500	1	5	55	45	38	0.3	24	0.1
10	Spurn Head	29	999.2	-72	E	2	rr	49	97	5	5	-	-	10	10	800	1004.8	+34	NNW	7	c	44	92	6	5	-	-	9	9	2500	0	4	51	49	*	15	39	0.0
	Catterick	175	1004.0	-28	NW	3	rr	45	97	5	-	2	-	10	10	2500	1008.2	+28	NW	4	bc	43	85	9	4	-	-	0	1	-	1	5	54	42	36	-	15	9.0
	Tynemouth	108	1005.3	-20	NW	3	rr	48	92	6	-	2	-	10	10	1500	1008.0	+26	NW	4	bc	40	85	6	2	4	-	2-3	4-6	1500	1	2	54	40	36	-	26	0.0
11	St. Abbs Head	280	1003.6	-20	WNW	1	rr	43	92	7	3	2	-	7-8	10	1500	1007.4	+18	WNW	4	pr	45	75	8	6	2	-	4-6	7-8	1500	1	2	53	43	*	-	7	*
	Leuchars	36	1005.2	-10	W	1	rr	44	97	6	5	2	-	9	10	2500	1007.6	+18	W	2	b	40	85	8	5	4	-	1	1	4000	1	5	54	37	31	-	1	4.9
12	Renfrew (Abbots I.)	191	1007.5	-4	-	0	bc	40	92	7	5	-	-	2-3	2-3	2500	1010.5	+24	NNW	2	rr	39	92	7	5	-	-	9	9	2500	1	5	53	37	32	1	1	0.0
	Eskdalemuir	794																																				
	Point of Ayre	30	1007.4	+6	NW	4	c	47	85	8	8	7	-	4-6	9	2500	1011.7	+28	NW	5	c	48	92	8	4	6	-	4-6	7-8	1500	1	3	53	46	*	12	0.0	
13A	Tiree	22																																				
13B	Stornoway	80	1004.0	-2	SW	3	pr	43	92	7	5	2	-	7-8	10	2500	1008.0	+30	NNW	4	c	47	92	7	8	-	-	7-8	7-8	2500	1	2	61	43	*	5	4	1.3

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 20th November 1939.
No 28487

OBSERVATIONS at 13h. G.M.T. 19th November														OBSERVATIONS at 18h. G.M.T. 19th November														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F (6)	°C (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F (20)	°C (21)	Visibility. 0-9 (22)	Cloud.					State of ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Dirce. (3)	Force. 0-12 (4)					Form. Low. (9)	Med. (10)	High (11)	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)			Dirce. (17)	Force 0-12 (18)					Form. Low. (23)	Med. (24)	High (25)	Amount. Low 0-10 Total 0-10 (26) (27)	Height of Base (feet) (28)			7h.—18h. 19th (37)	13h.—18h. 19th (38)	18h. 19th to 1h. 20th (39)	1h.—7h. 20th (40)		
																																		WEATHER.	
1	London (Kew)...	1017.7	+34	NW	4	20	51	65	6	8	-	-	4-6	4-6	2500	1021.8	+24	NW	4	3	51	76	6	5	-	-	4-6	4-6	2500	1	*	cpr, bcz	bccp, bc	bczob	bbmox
	Croydon ...	1017.4	+36	NW	4	c	50	65	6	2	-	-	9+	9+	4000	1021.7	+22	NW	3	3	50	75	6	5	3	-	7-8	500	1	*	bccz	bccz	czo, bmo	bmo	
	S. Farnborough	1018.1	+30	NW	4	bc	52	65	8	1	-	-	4-6	4-6	4000	1022.7	+24	WSW	4	C/r	50	75	6	5	-	3+	3+	4000	1	*	bccbc	bccid, ir	bcobmo	bbcbmo	
	Boscombe Down	1019.9	+34	NW	4	bc	51	65	8	2	-	-	4-6	4-6	2500	1024.3	+34	NW	4	bc	49	75	7	5	-	4-6	4-6	2500	0	*	bc	bc	bbmo	bbmo	
	Calshot (Soton.)	1018.8	+28	NW	5	bc	53	75	8	1	-	-	4-6	4-6	2500	1023.1	+32	NW	4	3	51	75	6	7	-	2-3	2-3	4000	1	3	bbe	bbbm	bmo, cmo	bmo	
	Lympe ...	1015.2	+34	NW	5	bc	50	65	9	1	-	-	4-6	4-6	2500	1020.0	+28	NW	4	c	49	75	6	5	-	3	3	4000	1	3	cbcg, bc	bccz	bccpr, bcb	bw	
	Manston ...	1014.4	+38	NW	6	bc	50	65	7	1	-	-	4-6	4-6	2500	1019.3	+26	NNW	5	3	50	85	6	5	-	3	3	4000	1	3	cbcg, bc	bccz	cbcm	bmo, cmo	
2	Shoeburyness ...	1028.4	+40	NW	4	bc	51	65	9	1	-	-	2-3	2-3	1500	1020.3	+26	NW	4	c	50	75	7	7	-	7-8	7-8	1500	1	*	bcc	bcc	bc	bc	
	Felixstowe ...	1013.2	+48	NW	5	bc	50	75	8	7	-	-	2-3	2-3	2500	1018.4	+22	NNW	3	ir	48	85	6	6	3	-	3	3+	1500	1	4	cbcg	bcm	cpr, bmo	bmo
	Gorleston ...	1011.8	+52	NW	5	c/r	46	85	6	8	-	-	7-8	7-8	2500	1017.4	+20	NNW	3	C/r	48	85	6	8	-	3+	3+	2500	1	2	orir, c	cbcg	cpr, bcc	cpr, bcc	
	Mildenhall ...	1014.9	+36	NW	5	bc	51	75	7	7	-	-	2-3	2-3	2500	1019.8	+30	NW	4	3	49	85	6	8	-	3+	3+	4000	1	*	cbc	bccp, c	ccir, bmo	bmo	
	Cranwell	1015.1	+30	NW	4	zo	51	75	6	9	3	-	4-6	4-6	4000	1020.3	+34	NNW	4	3	50	85	6	8	-	3+	3+	2500	1	*	bccbczo	bccz, m	bmo	bccbm	
3	Birmingham	1017.8	+20	NW	4	c	50	65	7	8	7	-	9	9	2500	1023.1	+34	NW	5	C/r	47	85	7	6	-	3+	3+	800	1	*	cbcc	cbcc	cbob	b	
4	Upper Heyford	1017.8	+24	NNW	5	bc	51	65	8	8	-	-	2-3	2-3	2500	1022.9	+32	NW	5	C/pr	48	85	8	4	c	-	7-8	7-8	2500	1	*	bc	cbcc	bcb	bmbbcb
	Ross-on-Wye ...	1020.0	+26	W	4	bc	53	65	8	7	-	-	4-6	4-6	2500	1025.1	+30	NNW	3	b	48	75	8	5	-	-	1	1	2500	1	*	bccbc	cbcc	bccbc	bcc
5	Hartland Point	1024.4	+44	NW	5	c	52	85	8	8	6	-	4-6	4-6	1500	1028.1	+8	NNW	5	c	51	75	8	8	-	-	7-8	7-8	2500	1	4	cb	cbcc	c	c
	Bristol ...	1019.4	+24	NNW	5	bc	52	65	8	8	-	-	4-6	4-6	2500	1025.5	+30	NNW	4	b	49	75	7	4	4	-	7-8	7-8	2500	1	*	cbcg	cbcc	cbcc	cbcc
	Portland Bill ...	1021.2	+28	NW	6	c	53	85	8	5	4	-	4-6	4-6	4000	1024.9	+20	NW	5	bc	51	92	8	5	-	4-6	4-6	4000	1	5	cbpr	cbcc	cbcc	cbcc	
	Plymouth ...	1024.4	+30	NNW	5	c	54	75	8	2	-	-	7-8	7-8	2500	1028.1	+28	NW	5	3	52	65	8	5	-	4-6	4-6	2500	1	3	cpr, bcc	cbcc	cbcc	cbcc	
	The Lizard	1026.7	+20	NNW	6	c	53	85	8	6	-	-	7-8	7-8	2500	1028.2	+20	NNW	5	c	51	75	8	8	6	-	7-8	7-8	2500	0	3	cb	cbcc	cbcc	cbcc
	Scilly (St. Mary's)	1027.9	+22	NW	6	bc	55	65	8	5	2	-	2-3	2-3	2500	1031.3	+18	NNW	4	c	51	65	8	5	6	-	7-8	7-8	2500	1	3	bcc	bcc	bcc	bcc
	Guernsey ...	1022.2	+32	NW	6	bcg	53	75	8	2	7	-	4-6	4-6	2500	1027.0	+20	NW	4	bc	53	75	8	2	1	-	4-6	4-6	2500	1	5	cbpr	cbcc	cbcc	cbcc
6	Pembroke ...	1024.3	+28	NW	6	c	52	92	8	8	-	-	9+	9+	1500	1029.1	+14	NNW	5	bcg	51	75	8	8	-	4-6	4-6	2500	1	3	cb	cbcc	c	cbcc	
7	Holyhead	1020.6	+30	NNW	7	C/pr	51	85	7	9	-	-	9+	9+	1500	1025.9	+34	NW	6	bc	51	75	8	8	3	-	2-3	4-6	4000	1	4	cbpr, c	cbcc	cbcc	cbcc
	Chester (Sealand)	1018.9	+30	NNW	6	bc	58	75	8	8	-	-	4-6	4-6	2500	1024.1	+30	NW	5	C/pr	50	85	8	8	-	3	3	1500	1	*	cbpr, c	cbcc	cbcc	cbcc	
8	Manchester ...	1017.4	+26	NNW	5	C/pr	50	85	7	8	-	-	9+	9+	2500	1023.2	+30	NNW	5	3	49	85	6	8	-	3	3	1500	1	*	cbpr, c	cbcc	cbcc	cbcc	
10	Spurn Head	1013.0	+26	NNW	5	bcg	48	75	7	-	4	8	0	4-6	-	1020.4	+26	NW	5	pr	48	85	6	5	-	10	10	1500	1	3	bcg	cbcc	cbcc	cbcc	
	Catterick	1014.8	+22	NW	4	bc	51	65	8	8	3	-	2-3	4-6	2500	1020.3	+36	NW	3	bc	49	75	8	5	-	2-3	2-8	4000	1	5	bcc	cbcc	cbcc	cbcc	
	Tynemouth	1013.7	+22	W	3	bc	50	75	6	2	3	-	2-3	4-6	2500	1019.4	+28	W	3	c	49	85	6	8	-	7-8	7-8	2500	1	1	bc	cbcc	cbcc	cbcc	
11	St. Abbs Head	1013.4	+36	NNW	5	bc	50	75	8	6	-	-	2-3	4-6	2500	1018.0	+32	NW	4	bc	48	75	8	7	-	2-3	2-3	2500	0	2	bc	cbcc	cbcc	cbcc	
	Leuchars ...	1014.0	+30	W	4	bc	51	75	9	8	7	-	2-3	4-6	4000	1020.5	+40	NNW	2	c	48	75	9	8	-	7-8	7-8	4000	1	*	bc	cbcc	cbcc	cbcc	
12	Renfrow (Abbots I.)	1015.8	+30	NNW	6	bc	52	75	8	8	-	-	2-3	2-3	2500	1023.0	+34	NNW	5	bc	47	75	8	8	-	4-6	4-6	2500	1	*	cbcc	cbcc	cbcc	cbcc	
	Eskdalemuir	1015.2	+20	NNW	5	bc	49	65	8	7	3	-	2-3	4-6	2500	1021.6	+30	NNW	5	bc	45	75	8	5	3	-	2-3	2-3	1500	1	*	bcc	cbcc	cbcc	cbcc
	Point of Ayre	1018.9	+32	NW	6	c	52	85	8	8	-	-	9	9	1500	1025.1	+40	NNW	6	bc	51	75	8	4	3	-	2-3	4-6	2500	1	4	bcc	cbcc	cbcc	cbcc
13A	Tiree ...	1020.2	+36	NNW	5	c	50	65	8	4	-	-	7-8	7-8	2500	1024.8	+24	NNW	4	c	49	75	8	5	-	7-8	7-8	2500	0	4	c	cbcc	cbcc	cbcc	
13B	Stornoway	1017.6	+36	NW	5	C/pr	49	85	7	8	-	-	7-8	7-8	1500	1022.4	+24	NNW	4	ir	45	92	7	8	7	-	4-6	7-8	2500	1	2	cpr	cbcc	cbcc	cbcc
15	Dalwhinnie	1017.3	+36	N	3	c	45	75	8	6	-	-	7-8	7-8	4000	1022.0	+26	N	3	bc	41	85	7	4	4	-	2-3	4-6	2500	0	*	cir	cbcc	cbcc	cbcc
	Aberdeen	1013.3	+38	NW	4	C/pr	48	85	7	8	-	-	7-8	7-8	2500	1018.5	+40	NW	4	bc	46	85	7	4	-	4-6	4-6	2500	1	2	cpr, bcc	cbcc	cbcc	cbcc	
	Wick ...	1012.5	+34	NNW	4	C/pr	48	85	8	5	7	-	4-6	9	1500	1018.9	+22	NW	5	c	46	92	7	5	7	-	4-6	7-8	500	1	2	prpr	cbcc	cbcc	cbcc
16	Lerwick...	1010.4	+34	NNW	4	c	44	75	8	8	7	-	4-6	9	800	1017.0	+28	NNW	4	c	40	75	8	5	3	-	4-6	7-8	1500	0	*	c	cbcc	cbcc	cbcc
17	Blacksod Point..	1028.7	+24	NW	5	bc	50	65	8	2	-	-	4-6	4-6	800	1030.7	+16	NW	3	c	48	75	8	4	-	7-8	7-8	1500	0	2	bc	cbcc	c	c	
18	Malin Head	1023.0	+64	N	5	c	49	75	7	8	-	-	7-8	7-8	4000	1020.8	+24	NW	4	c	50	55	7	8	-	7-8	7-8	5700	1	4	cpr	cbcc	c	c	
	Aldergrove	1021.7	+34	NNW	5	bc	49	75	8	3	-	-	2-3	4-6	2500	1027.3	+26	NNW	3	c	46	75	7	5	-	7-8	7-8	2500	1	*	cbpr, bc	cbcc	cbcc	cbcc	
19	Birr Castle	1026.9	+24	NNW	2	c	51	75	8	5	-	-	7-8	7-8	2500	1030.7	+20	NNW	2	bc	47	75	8	-	-	8	0	23	-	1	*	c	cbcc	cbcc	cbcc
20	Valentia Obay. †	1031.1	+14	NW	5	c	52	65	8	7	-	-	2-3	9+	2500	1033.4	+10	NNW	2	c	49	85	8	5	-	4-6	10	2500	1	3	c	cbcc	cbcc	cbcc	
	Roches Point ...	1028.7	+32	NNW	5	c	54	65	8	8	-	-	9	9	1500	1031.8	+16	NNW	4	bc	49	85	8	5	-	2-3	4-6	2500	1	3	c	cbcc	cbcc	cbcc	

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 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.

‡ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

Cloud form abbreviations:—

Cirrus,-Ci:	Cirrocumulus,-Cc:	Cirrostratus,-Cs:	Alto cumulus,-Ac:	Altostratus,-As:
Stratocumulus,-Sc:	Stratus,-St:	Nimbostratus,-Ns:	Cumulus,-Cu:	Cumulonimbus,-Cb:

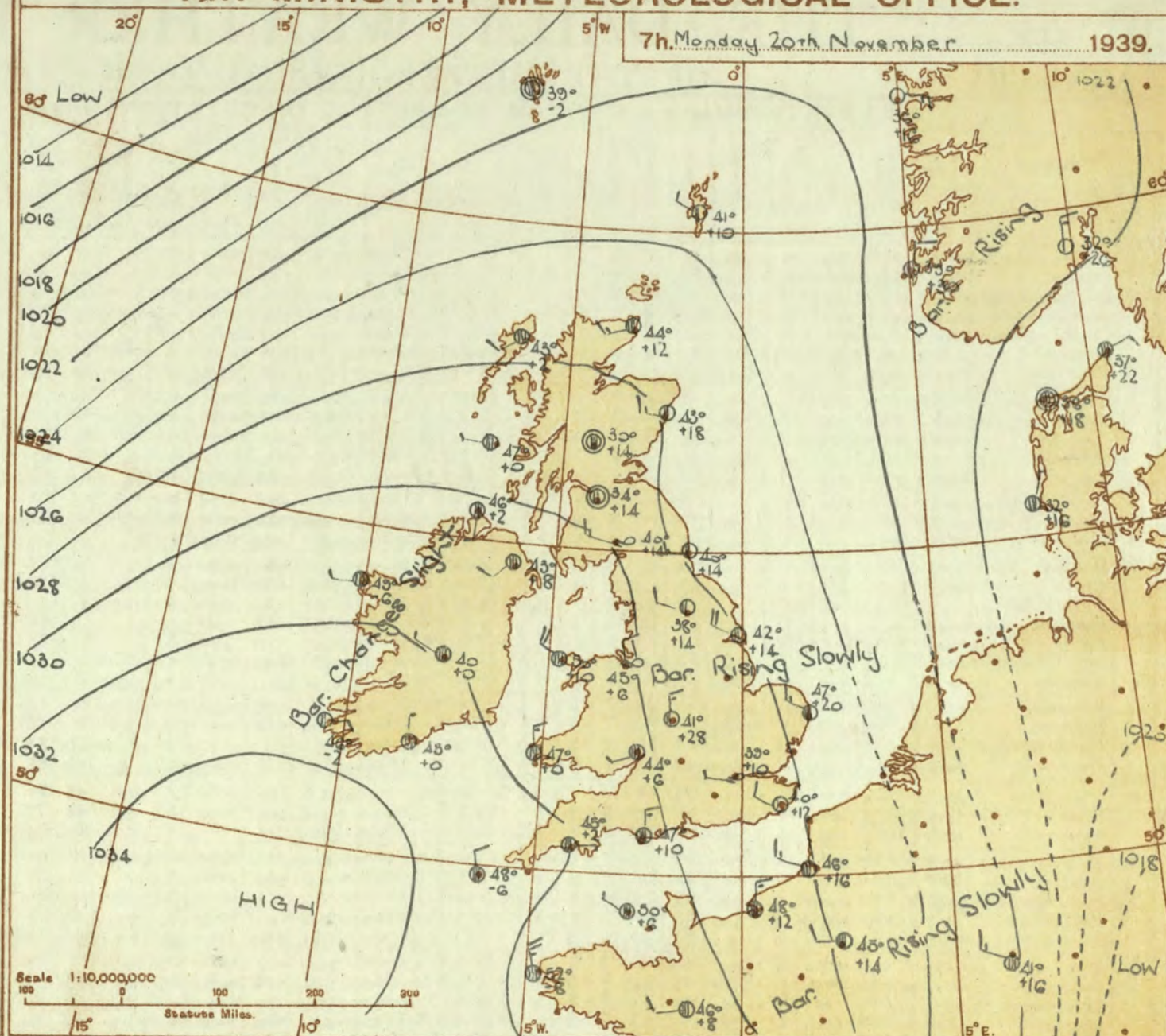
COLUMN 29.—STATE OF GROUND.

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 20th November 1939.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th November, 1939.

1 S.E. England	Light northwest wind; fair; more cloud later; local fog later; average day temperature, ground frost at night.
2 E. England ...	
3 E. Midlands	
4 W. Midlands ...	Light northwest wind; cloudy; average temperature.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands	As 1 - 3.
10 N.E. England	
11 S.E. Scotland	Light west to southwest wind, freshening somewhat later; mainly cloudy, slight local rain, especially in west; milder.
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Light or moderate southwest wind; cloudy, slight rain spreading east later; becoming milder.
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.

An anticyclone off our southwest coasts is spreading east and a depression off Northwest Iceland is likely to move east. Weather will be quiet and dry over most of the country. The clouds now covering western districts are likely to spread slowly eastward.

FURTHER OUTLOOK.

Mainly cloudy; occasional rain in the northwest; slight rain probably spreading to most districts.

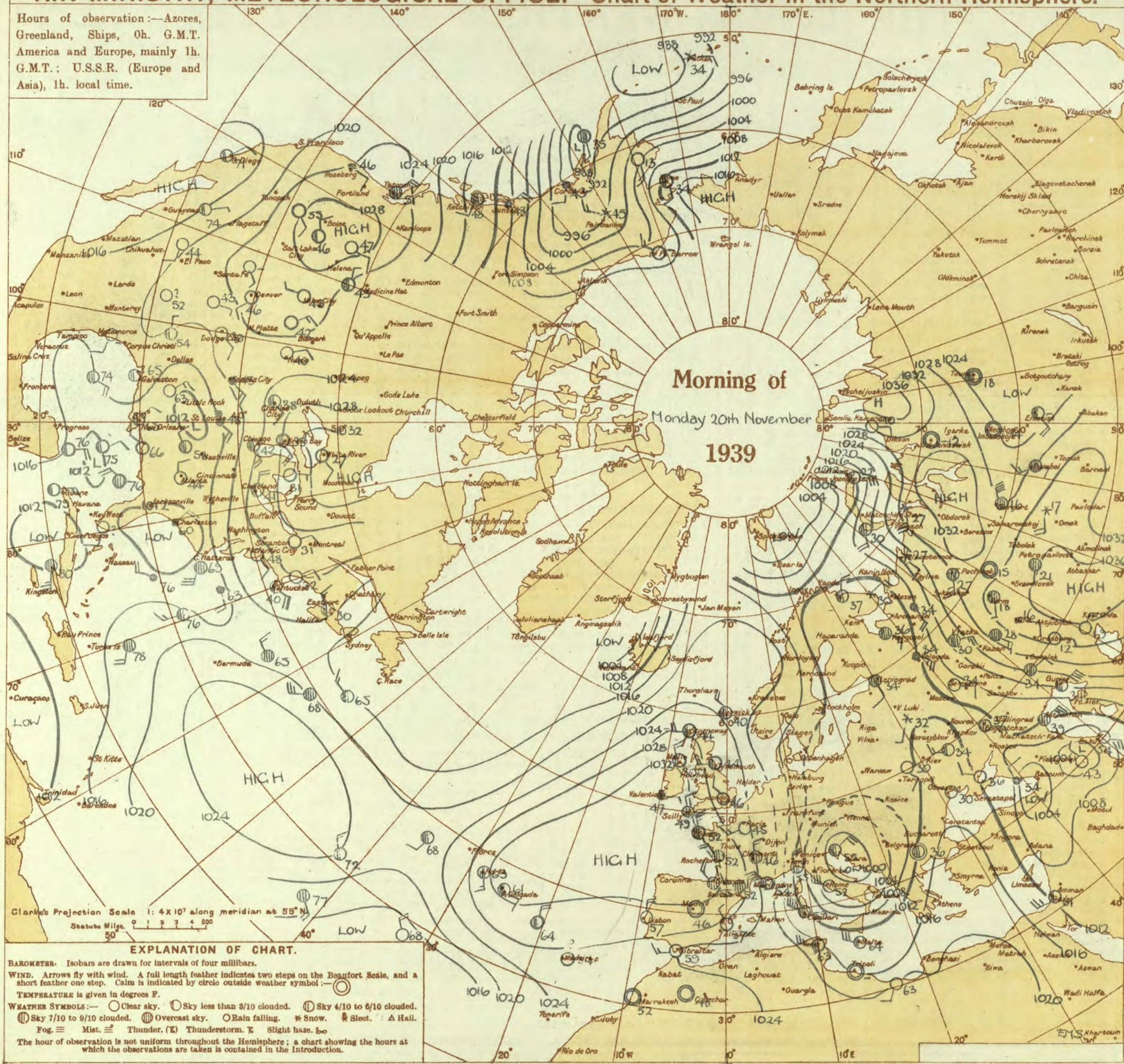
Forecasts issued at 1000 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1.

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

O. 472/5777. W. 6109. D. 4626. G. 348.24300. 1/28

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. 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.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Sea. 0-9	TEMPERATURE.			RAINFALL.		SUNSHINE 12 Hrs.		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	State of Ground.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. or Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.						
																																0-12	0-10	0-10		0-10	0-10
1	London (Kew)	18	1027.0	+26	NW	2	20	46	85	6	-	-	-	1029.9	+10	WNW	2	20	41	85	6	5	-	1	Tr	1	2500	1	52	41	31	Tr	-	5.7			
	Croydon	217	1028.0	+20	W	2	20	46	85	6	-	-	-	1029.5	+10	WNW	1	20	39	97	6	5	4	1	Tr	1	2500	1	51	39	35	-	3.3				
	S. Farnborough	226	1028.0	+20	W	2	20	46	85	6	-	-	-	1030.2	+10	WNW	2	20	38	97	6	5	4	1	Tr	1	2500	1	53	37	31	0.2	Tr	5.0			
	Boscombe Down	417	1029.2	+20	WNW	3	20	44	85	6	-	-	-	1031.2	+14	WNW	2	20	41	92	6	5	-	4	Tr	2.3	5700	1	52	41	36	-	Tr	5.2			
	Calshot (St. Mary's)	8	1028.2	+18	WNW	3	20	44	85	6	-	-	-	1030.0	+10	WNW	3	20	43	92	6	5	4	6	0	7.8	-	1	54	40	37	-	Tr	7.9			
	Lympne	346	1025.5	+28	NNW	4	20	45	85	7	5	-	-	1028.7	+12	NNW	2	20	40	92	6	5	-	1	1	4000	1	50	40	34	-	Tr	6.8				
	Manston	154	1025.1	+18	NNW	5	20	47	85	6	5	-	-	1028.6	+18	NNW	3	20	44	85	6	5	3	-	4.6	7.8	1500	1	42	40	34	0.1	Tr	4.7			
2	Shoeburyness	11	1024.0	+18	NNW	3	20	46	85	6	-	-	-	1028.6	+18	NNW	3	20	41	92	6	5	-	-	0	0	1	52	40	44	-	-	3.2				
	Felixstowe	15	1024.0	+18	NNW	3	20	46	85	6	-	-	-	1027.1	+14	NNW	3	20	42	92	6	5	-	-	2.3	2.3	2500	1	51	41	43	Tr	-	3.4			
	Gorleston	5	1023.3	+24	W	2	20	46	85	7	8	-	-	1026.8	+20	WNW	3	20	47	92	6	8	-	-	7.8	7.8	2500	1	48	44	43	11	4	5			
	Mildenhall	19	1026.0	+22	WNW	3	20	43	97	6	5	-	-	1028.8	+18	WNW	3	20	35	97	5	5	4	5	1	2.3	4000	1	51	35	29	Tr	Tr	7.6			
	Cranwell	240	1026.1	+32	NW	3	20	42	92	5	-	-	-	1028.7	+14	WNW	3	20	40	92	5	5	-	-	1.6	4.6	2500	0	52	39	35	-	-	7.4			
3	Birmingham	535	1027.7	+14	NNW	3	20	43	85	7	3	-	-	1030.1	+8	NNW	3	20	41	85	5	-	-	5	0	2.3	-	1	51	41	32	0.1	Tr	3.6			
4	Upper Heyford	408	1027.7	+14	NNW	3	20	43	85	7	3	-	-	1030.6	+14	NNW	3	20	41	85	5	-	-	5	0	2.3	-	1	51	39	32	-	-	5.2			
	Ross-on-Wye	223	1027.7	+14	NNW	3	20	43	85	7	3	-	-	1030.6	+6	WNW	1	20	44	85	8	5	-	-	10	10	2500	1	53	42	32	-	-	5.2			
5	Hartland Point	299	1030.6	+6	NNW	3	20	50	65	8	5	2	-	-	1031.6	+2	NNW	3	20	49	65	8	5	1	-	4.6	7.8	2500	1	54	48	46	-	-	1.3		
	Bristol	209	1029.5	+14	WNW	2	20	46	85	7	4	7	-	-	1031.5	+10	W	1	20	43	85	6	5	-	-	4.6	4.6	4000	1	53	42	38	-	-	3.7		
	Portland Bill	32	1030.3	+16	NW	3	20	49	85	8	5	-	-	-	1031.0	+10	N	3	20	47	92	8	5	-	-	10	10	4000	1	53	45	45	-	-	3.7		
	Plymouth	82	1031.1	+6	-	0	20	46	85	7	5	-	-	-	1032.2	+2	E	1	20	45	85	7	5	-	-	9	9	2500	1	54	44	39	0.4	-	5.1		
	The Lizard	240	1032.2	+2	WNW	2	20	46	85	7	8	6	-	-	1032.6	0	-	0	44	85	8	8	2	-	-	7.8	9	1500	0	54	44	39	-	-	3.8		
	Scilly (St. Mary's)	163	1032.9	+6	NNW	2	20	49	75	8	4	-	-	-	1032.8	-6	NNW	2	20	48	75	8	5	3	-	-	4.6	9	2500	1	55	47	43	-	-	6.0	
	Guernsey	175	1030.0	+16	NNW	2	20	50	75	7	1	-	-	-	1030.9	+6	NNW	1	20	50	75	8	8	3	-	-	7.8	9	2500	0	56	50	43	Tr	-	4.1	
6	Pembroke	142	1031.0	+6	N	3	20	49	75	8	8	-	-	-	1031.8	0	NNW	3	20	47	75	8	2	7	-	-	2.3	7.8	2500	1	53	46	43	-	-	1.9	
7	Holyhead	26	1029.5	+14	NW	5	20	50	65	8	8	-	-	-	1030.7	+10	NW	4	20	50	55	8	5	-	-	9	9	2500	1	52	49	46	Tr	-	2.6		
	Chester (Sealand)	16	1028.9	+14	NNW	2	20	49	85	6	8	-	-	-	1030.3	+6	NNW	2	20	45	75	6	5	3	-	-	4.6	7.8	2500	1	53	39	39	3	Tr	3.6	
8	Manchester	70	1028.3	+18	WSW	1	20	49	85	6	8	-	-	-	1030.3	+6	NNW	2	20	45	75	6	5	3	-	-	2.3	2.3	4000	1	51	32	21	1	Tr	0.3	
10	Spurn Head	29	1028.2	+14	NNW	3	20	42	92	6	-	-	-	-	1028.2	+14	NNW	3	20	42	92	6	-	-	-	1	0	4.6	-	1	3	41	30	Tr	0.2	4.7	
	Catterick	175	1029.3	+14	WNW	3	20	38	85	9	-	-	-	-	1029.3	+14	WNW	3	20	38	85	9	-	-	-	1	0	2.3	-	1	52	37	30	-	-	6.7	
	Tynemouth	108	1025.5	+16	W	3	20	44	75	6	2	-	-	-	1027.6	+14	W	3	20	40	75	6	2	-	-	-	2.3	2.3	2500	1	52	39	34	-	-	5.7	
11	St. Abbs Head	280	1025.2	+18	WNW	4	20	45	75	8	4	-	-	-	1028.0	+10	WNW	2	20	44	65	8	4	5	-	-	4.6	7.8	2500	0	50	43	39	-	-	4.7	
	Leuchars	36	1026.0	+18	W	2	20	40	85	8	-	-	-	-	1028.4	+12	W	2	20	38	85	8	5	-	-	1	4.6	4000	1	53	36	29	-	-	4.7		
12	Renfrew (Abbots I.)	19	1027.9	+6	W/S	3	20	40	85	7	5	-	-	-	1029.8	+14	-	0	34	92	7	5	4	6	1	4.6	4000	1	52	33	30	-	-	3.1			
	Eskdalemuir	794	1028.5	+12	NW	4	20	49	75	8	4	-	-	-	1030.3	+8	-	0	28	92	8	-	3	6	0	4.6	-	3	50	22	22	-	-	2.9			
	Point of Ayre	30	1028.5	+12	NW	4	20	49	75	8	4	-	-	-	1030.2	+8	N/E	3	20	49	75	8	5	-	-	9	9	2500	1	52	48	43	-	-	2.3		
13A	Tiree	22	1028.7	0	W	1	20	47	75	8	5	-	-	-	1028.7	0	W	1	20	47	75	8	5	-	-	9	9	2500	0	51	45	41	0.4	-	0.3		
13B	Stornoway	80	1027.0	+14	W	1	20	44	85	7	5	-	-	-	1027.7	+2	SW	2	20	43	85	8	5	-	-	9	9	4000	1	49	43	39	3	Tr	1.9		
15	Dalwhinnie	1176	1029.0	+14	W	1	20	44	85	7	5	-	-	-	1029.0	+14	-	0	30	97	7	4	7	-	-	2.3	10	2500	0	47	29	24	0.5	-	0.1		
	Aberdeen	79	1024.																																		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 21st November 1939.

No 28483

OBSERVATIONS at 13h. G.M.T. 20th November

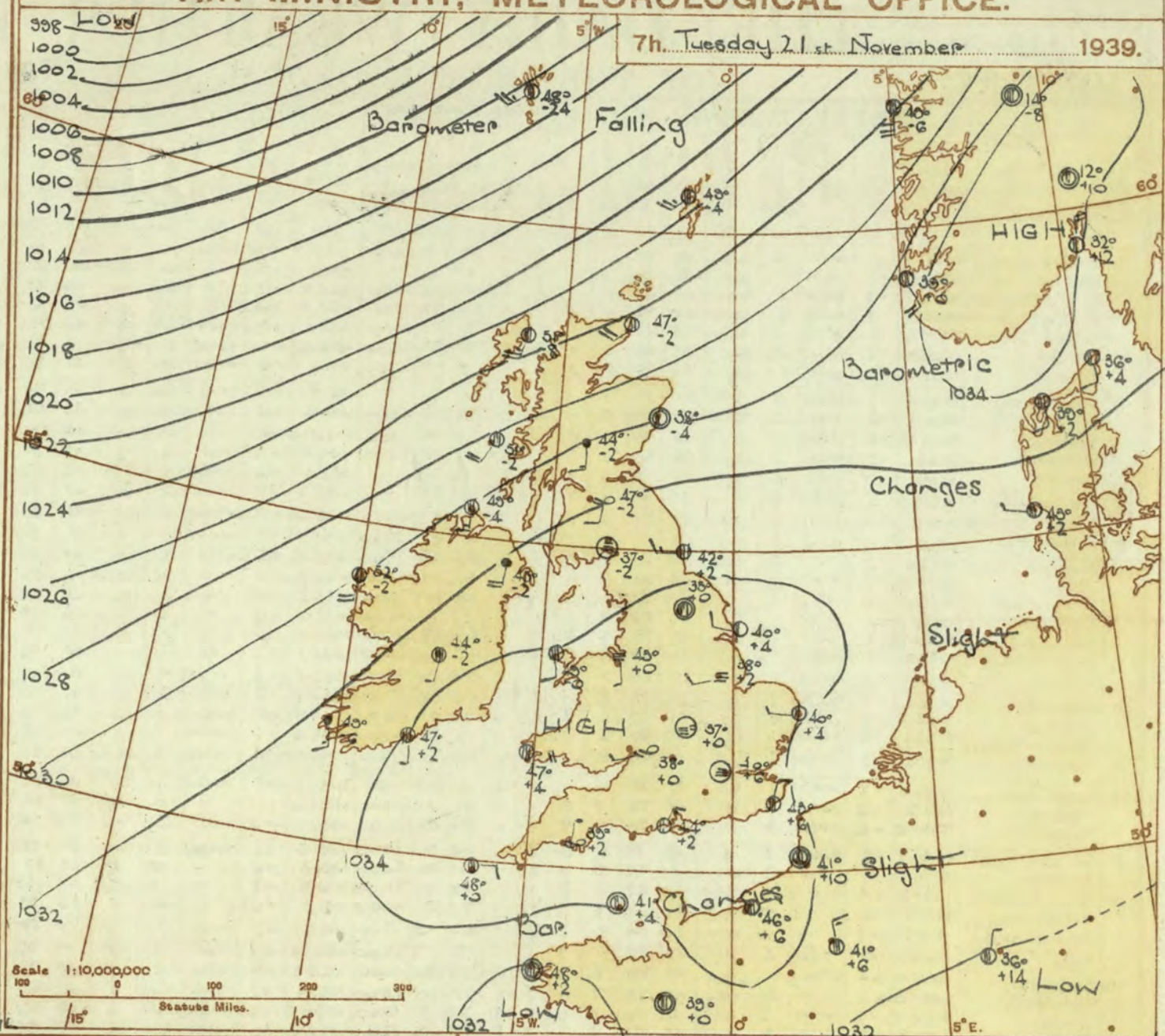
OBSERVATIONS at 18h. G.M.T. 20th November

PAST 24 HOURS.

District.	Stations. (For heights see p. 4.)	Barom. M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	° Humid. (7)	Visibility. (8)	Cloud.					Barom. M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	° Humid. (21)	Visibility. (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	Weather.			
				Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base (feet) (14)	Low. (23)					Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)			7th-13th. 20-h (37)	13th-18th. 20-h (38)	18th.....to 21st (39)	1h.-7h. 21st (40)
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down Calshot (Soton.) Lympne ... Manston ...	1031.1 1030.8 1031.3 1031.7 1031.1 1029.9 1029.9	0 +2 -6 -2 0 +2 +2	NW'N W'N NNW NNW N'W N'W NNW	2 1 3 2 3 3 4	bc bc bc bc bc bc bc	49 48 50 47 50 48 49	65 75 68 68 65 68 75	5 - 7 6 7 8 6	5 - 1 4 1 3 5	2-3 4 2-3 2-3 Tr Tr 7-8	4-6 1 2-3 2-3 4-6 4-6 7-8	2500 - 4000 1000 4000 2800 4000	1032.7 1032.4 1033.9 1033.3 1032.3 1032.0 1031.9	+12 +14 +12 +10 +6 +6 +10	NNW - - N'W NW'W NNW NNW	1 0 0 2 2 3	bc bc bc bc bc bc bc	44 41 40 42 43 45 47	65 92 85 85 92 85 85	5 2 4 6 6 6 5	- - - 7 - - -	- - 8 0 0 3 3	4-6 Tr 7-8 7-8 2-3 3 3	- - - - - 4000 2500	1 * 1 * * 1 2	bcfbz bcfbz cmjbbz cmjbbz bcm bcm cmjbbz	bcfbz bcfbz bcfbz bcfbz bcm bcm bcm	bcfbz bcfbz bcfbz bcfbz bcm bcm bcm	bcfbz bcfbz bcfbz bcfbz bcm bcm bcm	bcfbz bcfbz bcfbz bcfbz bcm bcm bcm		
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1030.4 1029.4 1029.3 1030.6 1030.6	+2 +6 +6 -8 +2	NNW NW N'W NNW NNW	3 3 1 2 3	bc bc bc bc bc	50 50 49 48 48	75 85 85 85 75	6 5 6 5 -	- 5 - 6 3	0 7-8 7-8 4-6 4-6	1 - - 7-8 0	4000 4000 2500 4000 4000	1031.9 1031.4 1031.2 1032.4 1032.6	+16 +14 +10 +14 +14	NW N N NW NNW	1 1 4 2 1	bc bc bc bc bc	47 45 46 45 42	85 92 85 92 97	5 6 7 5 3	- - - 10 7	10 3 3 10 0	4000 4000 2500 4000 0	1 * 2 * 0	bc bcm bcm bcm bcm bcm bcm	bc bcm bcm bcm bcm bcm bcm	bc bcm bcm bcm bcm bcm bcm	bc bcm bcm bcm bcm bcm bcm				
3	Birmingham Upper Heyford	1031.7 1031.5	0 +4	NNW NW	3 2	bc bc	47 47	65 75	6 1	- -<																							

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 21st November 1939.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st November, 1939.

1 S.E. England	Light variable wind; fair, much fog, becoming dense 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 ...	Light or moderate southwest wind; freshening; cloudy, slight local rain or drizzle later; local fog at first, becoming milder.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Fresh or strong southwest wind; cloudy, some rain; mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	As 7 - 12.
16 Orkneys and Shetlands	As 13 - 14.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 7 - 12.
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 anticyclone covers England while a depression over Iceland is moving northeast or eastnortheast and extending its influence. Weather will become less settled in the North but will be fair in the South apart from fog.

FURTHER OUTLOOK.

Unsettled in the North; fair in the South, with more cloud and less fog.

Forecasts issued at

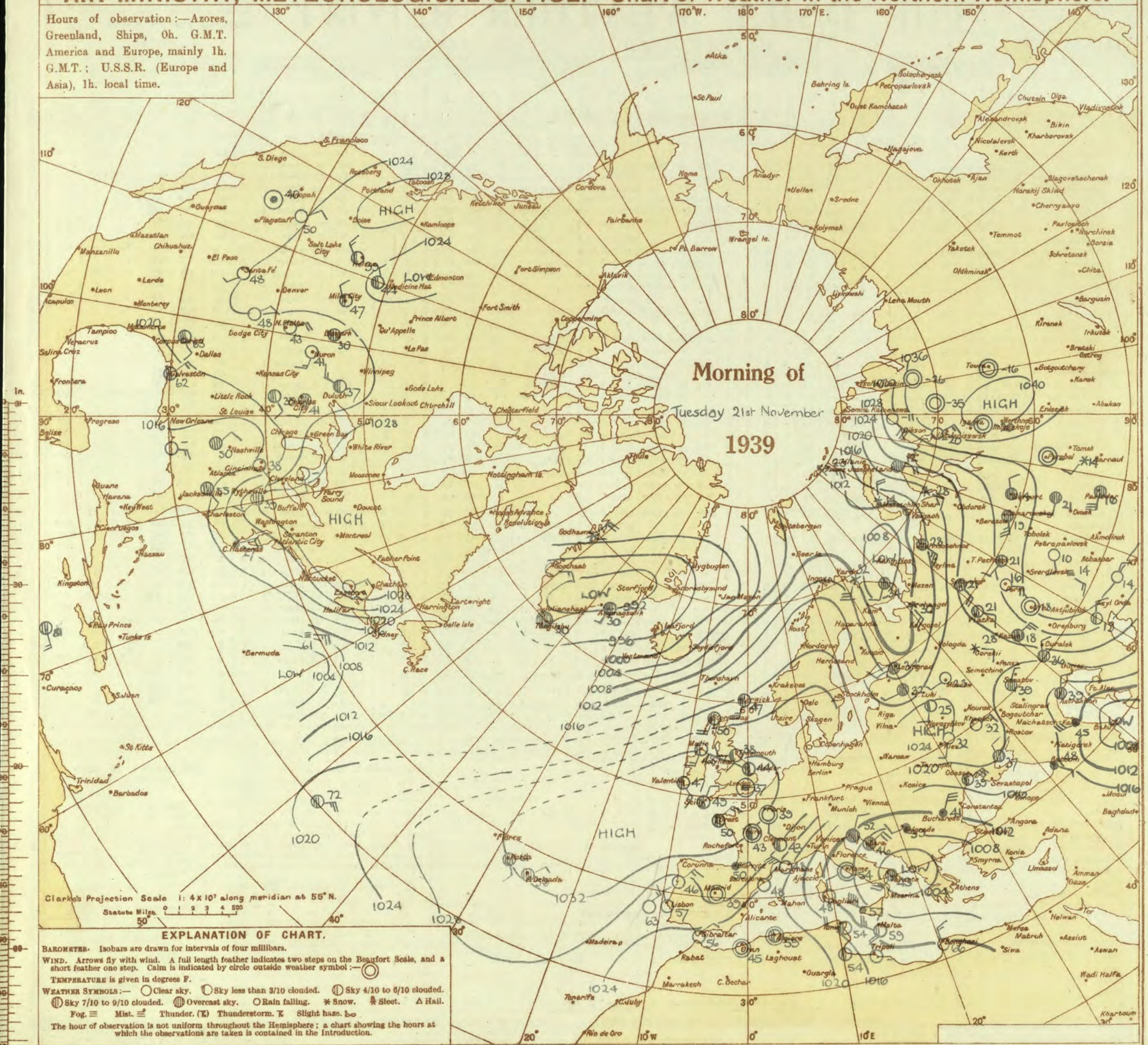
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, 84,000 G.M.T.

0.472/2777, M. 809, D. 4626, Gp. 248, 24300 11/29

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

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



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday 21st November 1939.
No. 28488

OBSERVATIONS at 1 hr. G.M.T. 21st November															OBSERVATIONS at 7 hr. G.M.T. 21st November															PAST 24 HOURS.									
STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.			Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.			Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUR- FACING 20th 11h.				
				Direc.	Force.	Weather.				Form.	Amount.	Height of Base. (feet) (14)	Direc.	Force.			Weather.	Form.	Amount.				Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)									
																															Low.	Med.	High.	Low.		Med.	High.	Low.	Med.
1 London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1035.4	+4	*	*	*	*	*	42	92	3	5	-	-	10	10	1500	1	*	49	39	27	-	Tr	0.0			
Croydon ...	217	1034.4	+6	-	0	cf	37	97	2	5	-	-	10	10	800	1035.2	+6	-	0	f	40	97	2	5	-	-	10	10	1500	1	*	49	39	27	-	Tr	0.0		
S. Farnborough ...	226	1035.1	+8	WNW	1	bF	23	97	1	-	-	-	0	0	-	1035.6	+2	-	0	f	38	92	3	5	-	-	10	10	1500	1	*	49	39	27	-	Tr	0.0		
Boscombe Down ...	417	1035.1	+6	NNW	1	z	37	85	6	7	-	-	0	9	-	1035.4	+2	N	1	z	38	92	4	5	-	-	10	10	4000	0	*	48	36	32	-	-	2.7		
Calshot (Stmntn.) ...	8	1034.3	+6	NNW	2	m	41	92	4	5	-	-	9	9	2500	1034.7	+2	N	1	z	44	85	5	5	-	-	9	9	4000	1	*	49	39	38	-	-	6.1		
Lympe ...	346	1033.8	+4	NNW	2	c	43	92	6	5	-	-	9	9	4000	1034.6	+6	NNE	2	c	43	75	8	5	-	-	9	9	4000	1	*	49	40	35	-	-	6.0		
Manston ...	154	1033.7	+6	N'E	2	z	46	75	6	5	-	-	10	10	2500	1034.6	+4	N	2	c	45	75	7	5	-	-	10	10	4000	1	*	49	44	41	-	-	4.1		
2 Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1034.9	+2	NNW	1	m	43	97	4	5	-	-	-	-	9	9	450	1	*	50	43	*	-	-	7.2			
Felixstowe ...	15	1033.3	+2	N	1	z	44	85	6	5	-	-	9	9	4000	1033.9	+2	NNW	1	z	44	92	6	5	-	-	7.8	7.8	4000	1	*	49	41	40	Tr	-	3.2		
Gorleston ...	5	1032.9	+2	N'E	3	c	44	85	6	5	-	-	7.8	7.8	2500	1034.7	+4	NNW	1	bc	40	92	6	5	-	-	2.3	2.3	2500	0	2	49	35	35	1	-	-		
Mildenhall ...	19	1034.4	+6	W'S	2	z	42	97	5	5	-	-	10	10	2500	1035.1	+4	W'N	1	m	40	90	4	5	-	-	10	10	4000	1	*	49	39	39	-	Tr	4.8		
Cranwell ...	240	1034.1	+6	NNW	2	f	38	97	2	5	-	-	10	10	2500	1034.8	+2	W'S	2	f	38	92	3	5	-	-	9	9	2500	0	*	50	35	27	-	-	5.7		
3 Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1035.5	0	-	0	z	37	85	4	5	-	-	-	-	9	9	4000	1	*	48	36	19	-	-	2.7			
Upper Heyford ...	408	1034.8	+10	*	0	z	40	85	5	5	-	-	10	10	4000	1035.8	+6	NW	1	f	40	85	3	5	-	-	9	9	4000	1	*	48	39	35	-	-	*		
4 Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1035.1	0	WSW	1	f	38	92	5	5	-	-	-	-	9	9	2500	1	*	48	37	32	-	-	0.0			
5 Hartland Point ...	299	1034.6	+6	NNE	2	bc	47	75	8	5	3	-	2.3	4.6	2500	1034.6	+4	ESE	2	c	45	65	8	5	2	-	9	10	2500	0	2	50	45	41	-	-	0.3		
Bristol ...	209	1035.4	+6	-	0	z	37	92	5	5	3	-	7.8	9	4000	1035.7	+2	SSE	1	m	33	97	4	5	-	-	4.6	4.6	4000	1	*	49	32	25	-	-	0.1		
Portland Bill ...	32	1034.2	+2	NE	2	c	44	92	7	5	-	-	10	10	4000	1034.5	+2	NE	3	bc	44	85	7	5	-	-	4.6	4.6	4000	1	3	55	42	*	-	-	*		
Plymouth ...	82	1034.8	+2	N	1	c	47	85	7	5	-	-	9	9	4000	1035.1	+2	NNE	1	z	39	92	6	-	4	-	0	1	-	1	1	51	39	30	-	-	0.0		
The Lizard ...	240	1035.1	0	N	2	c	46	75	8	5	6	-	7.8	9	2500	1034.9	+4	NNE	2	bc	44	85	8	8	-	-	2.3	2.3	2500	0	1	53	42	*	-	-	1.5		
Scilly (St. Mary's) ...	163	1034.4	-2	N'E	2	c	49	65	8	5	-	-	10	10	2500	1034.0	0	NNE	2	c	48	75	8	5	4	-	7.8	9	2500	1	1	52	43	*	-	-	0.5		
Guernsey ...	175	1033.5	+2	N'E	1	c	49	65	7	2	2	-	4.6	10	2500	1033.8	+4	-	0	bc	41	85	7	-	1	-	0	2.3	-	0	2	52	41	31	-	-	1.6		
6 Pembroke ...	142	1034.3	+2	NE'E	1	c	47	85	8	5	-	-	9	9	2500	1035.0	+4	E'N	2	c	47	92	8	8	2	-	7.8	10	1500	1	2	52	44	*	-	-	0.1		
Holyhead ...	26	1034.2	+2	W'S	2	cf	50	75	8	5	2	-	9	10	2500	1034.0	0	SSE	2	c	49	85	8	5	2	-	7.8	10	4000	1	1	51	48	16	-	-	0.3		
Chester (Sealand) ...	16	1034.6	+2	SE	1	cf	48	85	3	5	-	-	9	9	1500	1034.9	0	SSE	1	f	43	92	3	5	-	-	9	9	2500	1	*	48	43	40	-	-	0.0		
Manchester ...	70	1034.8	+4	SE	1	F-	39	85	1	5	-	-	10	10	4000	1035.1	+2	ESE	1	f	40	92	2	5	-	-	9	9	4000	1	*	47	35	32	-	-	0.5		
10 Spurn Head ...	29	1034.1	+4	NNW	2	c	44	92	5	5	-	-	9	9	2500	1034.8	+4	NNW	2	bc	40	97	4	-	3	-	0	2.3	-	1	*	48	39	*	-	Tr	3.6		
Catterick ...	175	1034.3	+2	-	0	z	30	97	6	5	3	-	2.3	4.6	4000	1034.5	0	-	0	c	35	92	8	5	-	-	9	9	1500	1	*	47	30	28	-	-	1.3		
Tynemouth ...	108	1026.4	-2	W	2	bc	38	85	5	2	-	-	4.6	4.6	2500	1032.9	+2	W	3	c	42	85	6	8	-	-	9	9	2500	1	1	46	38	33	-	-	*		
11 St. Abbs Head ...	280	1031.6	0	NNW	2	bc	43	85	8	4	6	1	2.3	4.6	2500	1031.4	0	SW	3	bc	43	85	8	4	6	1	2.3	4.6	2500	0	2	45	40	*	-	-	*		
Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1031.0	-2	SW	2	z	39	97	6	5	3	6	1	4.6	4000	1	*	45	36	25	-	-	0.0		
Renfrew (Abbots I.) ...	19	1032.1	0	-	0	z	46	97	6	5	-	-	9	9	4000	1031.8	-2	SSW	2	z	47	85	6	5	-	-	7.8	7.8	4000	1	*	45	43	41	Tr	-	0.3		
Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.2	-2	-	0	bcft	37	97	2	5	-	-	4.6	4.6	1500	1	*	38	35	32	-	-	0.3		
Point of Ayre ...	30	1033.8	+2	W	2	c	48	85	8	5	-	-	10	10	2500	1033.6	0	SW	2	c	46	85	8	5	-	-	10	10	4000	0	1	50	45	*	-	-	0.0		
13A Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.9	-2	SW'S	4	c	51	92	7	8	-	-	9	9	1500	0	3	51	49	47	1	0.2	0.5		
13B Stornoway ...	80	1026.6	-4	SSW	4	c	50	97	7	8	7	-	7.8	10	2500	1025.2	-8	SSW	5	c	51	85	7	5	-	-	7.8	7.8	2500	1	2	49	49	*	Tr	1	0.3		
15 Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1030.0	-2	3	ir	44	97	6	4	2	-	4.6	9	1500	1	*	44	34	29	-	0.4	0.3			
Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.8	-4	-	0	bc	38	92	6	5	-	5	1	2.3	4000	0	1	45	33	26	-	-	0.4		
Wick ...	81	1027.6	-4	SSW	3	c	45	92	7	5	7	-	4.6	9	1500	1026.2	-2	SW	4	c/pr	47	92	7	5	7	-	7.8	9	1500	1	2	46	42	*	0.2	Tr	*		
16 Lerwick ...	156	1024.1	-10	SW'S	5	c/r	47	92	7	8	7	-	7.8	10	800	1023.7	-4	SW	5	c	49	92	7	8	2	-	7.8	10	800	1	*	46	44	*	0.3	2	0.0		
17 Blacksod Point ...	18	1031.6	-2	NW	2	pr	51	97	7	6	-	-	10	10	450	1030.5	-2	3	4	c	52	85	7	5	-	-	7.8	7.8	800	1	3	54	48	*	Tr	0.3	*		
18 Malin Head ...	84	1031.3	-2	SSW	3	bc	48	92	8	4	-	-	4.6	4.6	5700	1030.3	-4	3	3	c	49	85	7	8	-	-	7.8	7.8	4000	0	3	50	45	*	Tr	Tr	0.1		
Aldergrove ...	268	1033.4	0	S'W	2	c	46	92	7	5	-	-	10	10	2500	1032.8	-2	S'W	2	id.	45	92	6	6	-	-	10	10	2500	1	*	47	44	36	+	Tr	0.4		
19 Birr Castle ...	173	1034.2	-2	SSW	2	c	47	75	7	5	-	-	7.8	7.8	2500	1033.9	-2	SSW	1	c	44	85	8	5	-	-	9	9	2500	1	*	51	42	36	-	-	0.3		
20 Valentia Obay. ...	30	1034.6	0	SSE	3	c	49	85	8	5	-	-	9	9	4000	1033.2	-6	S'E	3	id.	49	85	8	5	-	-	9	9	2500	1	2	52	48	44	-	-	0.9		
Roches Point ...	22	1034.8	-4	N	2	c	47	97	8	5	-	-	9	9	2500	1034.4	+2	S	1	c	47	92	8	5	-	-	9	9	1500	1	2	53	47	*	-	Tr	*		
LONDON OBSERVATIONS.		Height above M.S.L. in feet.	Weather.		Temperature.			Rainfall.		Sunshine.		Humidity.		Atmospheric Pollution.		EXPLANATION OF FIGURES, LETTERS, etc.																							
Day 7h-18h, Kew & Croydon.			Morning.		Afternoon.		Night.		Day Max.		Night Min.		Min. on Grass °F.		Milligrams of Solid Impurity per cubic metre.		COLUMNS 2, 16.																						
9h-18h, Kensington.			2																																				

THE DAILY WEATHER REPORT

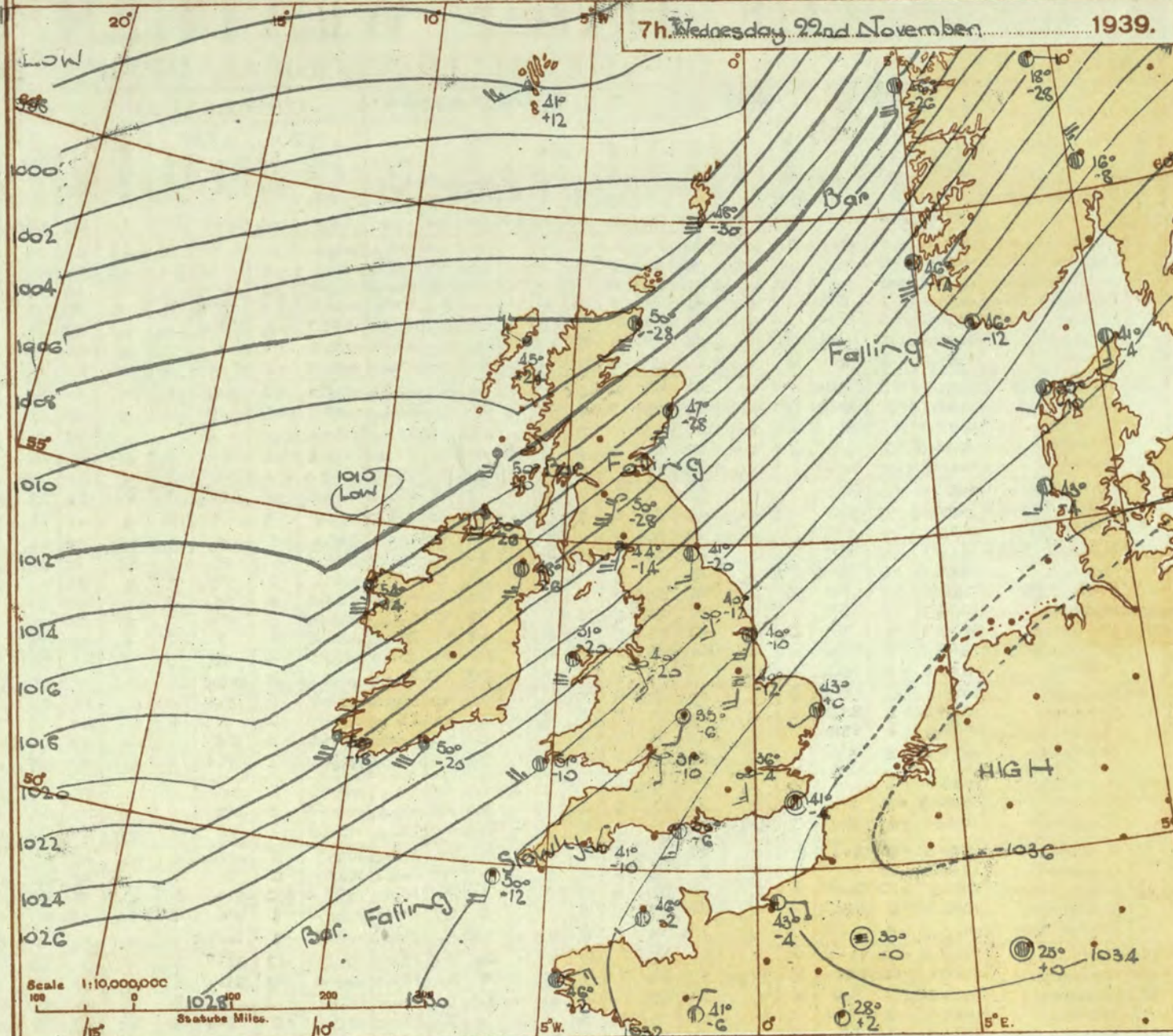
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 22nd November 1939.
No 28489

OBSERVATIONS at 13h. G.M.T. 21st November														OBSERVATIONS at 18h. G.M.T. 21st November														PAST 24 HOURS.												
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 8 hours. (30)	WEATHER.										
				Dir.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)	Dir.	Force. 0-12 (18)			Form.	Amount. Low 0-10 Total 0-10 (26) (27)					Height of Base. (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	7h.—13h. 21st (37)	13h.—18h. 21st (38)			18h.—24h. 22nd (39)	1h.—7h. 22nd (40)									
1	London (Kew)...	1035.0	-6	SSW	2	0	45	92	2	5	-	-	10	10	1500	1026.1	-0	-	0	0	0	44	92	3	5	-	-	10	10	2500	1	*	off	off	off	off	off	off	off	off
	Croydon ...	1035.7	-6	-	0	0	43	92	2	5	-	-	10	10	2500	1037.5	-2	-	0	0	0	48	97	2	5	-	-	10	10	1500	1	*	cf	cf	cf	cf	cf	cf	cf	cf
	S. Farnborough	1036.2	-6	-	0	0	44	85	4	5	-	-	10	10	4000	1035.9	0	-	0	0	0	43	92	4	5	-	-	3	3	4000	1	*	fmc	fmc	fmc	fmc	fmc	fmc	fmc	fmc
	Boscombe Down	1035.9	-2	SE	1	0	47	55	7	5	3	-	2-3	4-6	5700	1035.9	+2	SE	1	2	2	45	75	6	5	-	-	3	3	2500	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Calshot (Soton.)	1035.3	-6	SE	2	2	49	75	6	1	3	-	2-3	4-6	4000	1035.3	0	SE	2	2	2	47	75	6	5	3	-	4-6	3	4000	1	2	cm	cm	cm	cm	cm	cm	cm	cm
	Lympne ...	1035.4	-4	NE	2	2	46	75	5	8	-	-	3	3	4000	1035.9	+4	N	2	2	2	42	63	6	5	-	-	7-8	7-8	7200	1	§ 1	cm	cm	cm	cm	cm	cm	cm	
	Manston ...	1035.6	-2	N	3	3	47	66	8	7	-	-	3	3	1500	1035.9	+2	N	2	2	2	44	73	7	5	-	-	3	3	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
2	Shoeburyness ...	1035.7	-2	NW	1	1	47	85	4	5	-	-	3	3	4000	1036.0	+6	NE	1	1	1	45	83	8	5	-	-	3	3	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Felixstowe ...	1035.1	-2	NNE	2	2	48	65	7	5	-	-	3	3	4000	1035.9	+2	NE	1	1	1	45	65	7	5	-	-	3	3	4000	1	1	cm	cm	cm	cm	cm	cm	cm	cm
	Gorleston ...	1035.9	+2	E	2	2	47	75	7	5	3	-	4-6	4-6	2500	1035.9	0	-	0	0	0	46	78	6	5	-	-	3	3	2500	0	1	cm	cm	cm	cm	cm	cm	cm	cm
	Mildenhall ...	1035.8	-2	-	0	0	43	85	3	5	-	-	10	10	4000	1035.8	-2	-	0	0	0	42	97	3	5	-	-	3	3	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Cranwell ...	1035.2	-6	WSW	2	2	45	75	4	5	-	-	3	3	2500	1035.1	-4	W	3	3	3	35	85	5	5	-	-	4-6	4-6	4000	0	*	cm	cm	cm	cm	cm	cm	cm	cm
3	Birmingham	1035.6	-2	SSW	1	1	46	66	6	1	3	-	7	7	2500	1035.6	0	SSW	2	2	2	40	75	3	-	-	-	0	0	1	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Upper Heyford	1035.9	-2	SW	1	1	46	66	8	5	-	-	3	3	4000	1036.2	+4	-	0	0	0	41	75	6	5	-	-	7-8	7-8	5700	1	*	cm	cm	cm	cm	cm	cm	cm	cm
4	Ross-on-Wye ...	1035.5	0	NE	1	1	45	76	3	-	8	1	0	0	1035.0	-4	S	1	1	1	39	85	3	-	-	-	0	0	-	-	1	*	cm	cm	cm	cm	cm	cm	cm	cm
5	Hartland Point	1034.7	-6	SE	2	2	48	66	8	5	-	-	3	3	2500	1034.4	-4	E	2	2	2	45	65	8	4	-	-	2-3	2-3	2500	0	1	cm	cm	cm	cm	cm	cm	cm	cm
	Bristol ...	1036.0	-6	SE	2	2	45	75	5	-	-	-	0	0	1035.2	-2	SE	2	2	2	43	75	5	3	-	-	0	0	1	1	*	cm	cm	cm	cm	cm	cm	cm	cm	
	Portland Bill ...	1035.3	+4	NE	3	3	48	86	7	5	-	-	10	10	4000	1034.6	-4	SE	3	3	3	49	85	8	5	2	-	4-6	3	4000	1	3	cm	cm	cm	cm	cm	cm	cm	cm
	Plymouth ...	1035.5	-2	ES	1	1	51	65	8	4	-	-	10	10	4000	1034.9	0	EN	1	1	1	44	75	5	5	-	-	2-3	2-3	4000	0	1	cm	cm	cm	cm	cm	cm	cm	cm
	The Lizard ...	1035.4	+4	E	2	2	49	75	8	6	-	-	7-8	7-8	2500	1034.6	-4	E	2	2	2	48	85	8	8	-	-	2-3	2-3	2500	0	1	cm	cm	cm	cm	cm	cm	cm	cm
	Scilly (St. Mary's)	1034.8	-4	ESE	2	2	50	65	8	6	-	-	7-8	7-8	2500	1033.7	-4	SE	8	8	8	48	75	8	3	-	-	2-3	4-6	2500	1	1	cm	cm	cm	cm	cm	cm	cm	cm
	Guernsey ...	1034.2	-6	E'S	1	1	32	65	6	2	7	-	7-8	7-8	4000	1034.4	+4	ESE	1	1	1	49	65	7	2	-	-	4-6	4-6	4000	0	2	cm	cm	cm	cm	cm	cm	cm	cm
6	Pembroke ...	1035.2	0	SE'S	3	3	45	65	8	5	-	-	10	10	2500	1033.6	-4	SW	4	4	4	49	65	7	8	-	-	3	3	1500	1	1	cm	cm	cm	cm	cm	cm	cm	cm
7	Holyhead ...	1034.2	-2	SSE	2	2	50	75	8	5	2	-	3	3	10	2500	-10	S	4	4	4	50	75	7	5	-	-	10	10	4000	1	2	cm	cm	cm	cm	cm	cm	cm	cm
	Chester (Sealand)	1035.0	-2	SSE	1	1	50	75	6	5	-	-	10	10	4000	1034.3	-4	SE	1	1	1	47	75	4	5	-	-	10	10	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
8	Manchester ...	1035.4	-2	SW	1	1	46	75	5	5	-	-	10	10	4000	1034.2	-2	SW	3	3	3	46	75	4	5	-	-	10	10	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
10	Spurn Head ...	1035.3	+2	-	0	0	47	75	4	-	-	8	0	4-6	-	1034.6	-2	SW	3	3	3	43	85	4	-	3	-	0	7-8	-	1	2	cm	cm	cm	cm	cm	cm	cm	cm
	Catterick ...	1034.3	-6	SSE	1	1	40	97	6	5	-	-	10	10	4000	1033.3	-8	SE	1	1	1	42	97	3	-	-	-	10	10	4150	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Tynemouth ...	1033.1	-4	SW	2	2	50	75	3	8	-	-	4-6	4-6	2500	1032.3	-2	W	3	3	3	45	85	3	8	-	-	7-8	7-8	2500	1	1	cm	cm	cm	cm	cm	cm	cm	cm
11	St. Abbs Head	1030.9	+6	SW	4	4	48	75	8	4	4	7	2-3	7-8	2500	1029.2	-8	WSW	4	4	4	45	92	7	2	6	-	2-3	4-6	2500	0	3	cm	cm	cm	cm	cm	cm	cm	cm
	Leuchars ...	1030.8	-10	W	1	1	50	85	6	5	7	6	2-3	7-8	4000	1029.0	-6	S	4	4	4	46	85	6	5	3	-	2-3	3	4000	1	*	cm	cm	cm	cm	cm	cm	cm	cm
12	Benbow (Abbots L.)	1031.0	-10	SW'S	4	4	51	85	6	5	-	8	3	3	1500	1029.4	-10	SSW	3	3	3	49	85	6	5	-	-	3	3	1500	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Eakdalemuir ...	1032.5	-6	SSW	3	3	46	85	6	5	-	-	3	3	1500	1030.8	-8	SE	2	2	2	45	92	4	5	-	-	10	10	450	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Point of Ayre ...	1033.2	-4	SW'S	2	2	50	75	8	6	-	7-8	3	4000	1031.5	-8	SWW	4	4	4	49	75	8	5	6	-	-	7-8	3	4000	0	2	cm	cm	cm	cm	cm	cm	cm	cm
13A	Tiree ...	1026.3	-10	SW'S	6	6	51	85	7	5	7	-	4-6	7-8	1500	1029.6	-12	SSW	5	5	5	51	85	7	5	-	-	3	3	2500	0	4	cm	cm	cm	cm	cm	cm	cm	cm
13B	Stornoway ...	1022.7	-10	SSW	8	8	52	85	7	8	7	-	3	3	2500	1019.4	-10	SSW	8	8	8	51	85	7	8	-	-	3	3	2500	1	4	cm	cm	cm	cm	cm	cm	cm	cm
15	Dalwhinnie ...	1029.0	-14	SW	4	4	47	85	6	4	6	-	2-3	3	1500	1027.7	-14	S	5	5	5	45	85	6	4	6	-	7-8	7-8	1500	1	*	cm	cm	cm	cm	cm	cm	cm	cm
	Aberdeen ...	1028.5	-8	SW	1	1	51																																	

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday, 22nd November, 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd November, 1939.
1 S.E. England	Light or moderate south wind; cloudy, brighter later except for high clouds; rather cold; ground frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate or fresh south to southwest winds; cloudy, occasional slight rain locally later; milder.
5 S.W. England	
6 South Wales ...	Fresh or strong southwest wind, veering somewhat and moderating; cloudy or dull, rain at times; mild.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 4 - 5.
10 N.E. England	
11 S.E. Scotland	As 6 - 8.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

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, while a secondary off Northwest Ireland is moving northeast. Weather will be unsettled in the West and North, but fair in the Southeast.

FURTHER OUTLOOK.

Unsettled in the North and West, fair in the Southeast.

South Cone hoisted at 1435 on 21st in districts 13B, 15 and 16 and at 0520 on 22nd in districts 8, 11, 12, 13A, 17 and 18.

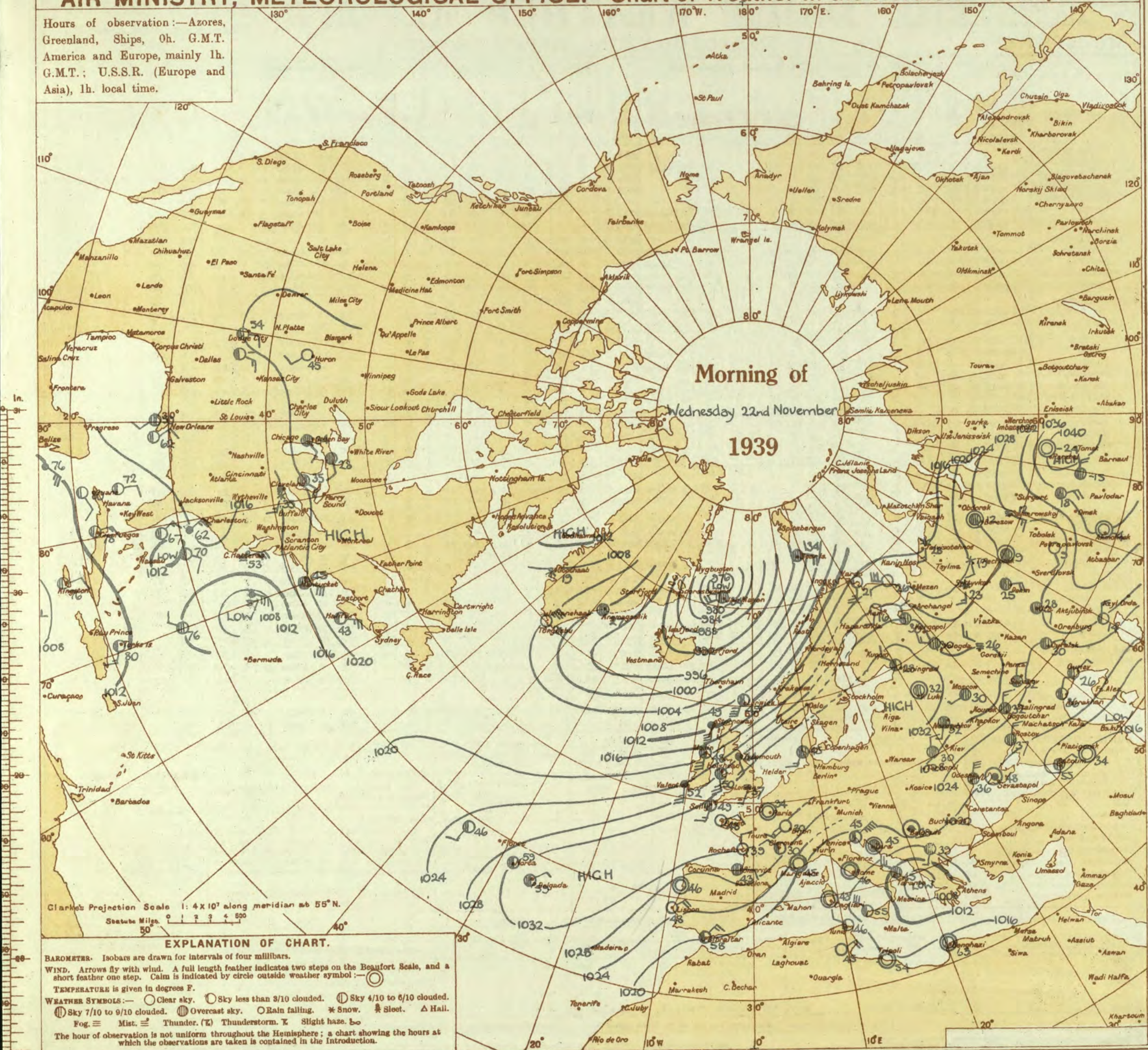
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

Forecasts issued at
H.M.S.O. Press, Cornwall House, 1930 G.M.T.

0.472/2777. No 8109. D.4626 G. 249.24300.1429

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 22nd November 1939.

No. 28489.

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 M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUN-SHINE 24 Hrs.			
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. or Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																Low.	Med.		High.	Low 0-10.	Total 0-10.
1	London (Kew)	18																																			
	Croydon	217	1035.2	+2	SW'S	1	cf	37	97	3				9+	9+	1033.4	-6	SE	3	cf	36	85	6														
	S. Farnborough	226	1035.2	-2			b f	36	97	1						1033.1	-6	SE'S	2	cf	35	97	3														
	Boscombe Down	417	1034.8	-6	SE	2	20	37	85	5				0	0	1031.8	-18	SE	3	20	36	85	5														
	Calshot (St. Mary's)	8	1034.8	-2			2	48	92	4				0	0	1032.8	-6	ENE	1	20	42	92	4														
	Lymington	346	1034.8	-2	NW	2	c	44	65	5				9+	9+	1033.7	-4		0	41	85	7															
	Manston	154	1035.1	-2	NW	1	20	45	75	6				10	10	1033.9	-2		0	42	85	5															
2	Shoeburyness	11														1033.5	-6	SW	2	b	35	92	4														
	Felixstowe	15	1034.5	-4	NNW	1	20	44	75	6				9+	9+	1032.7	-18	NNE	1	20	43	75	6														
	Gorleston	5	1034.9	-4	W	1	c	41	75	6				10	10	1033.4	0	SW	1	20	43	75	6														
	Mildenhall	19	1034.9	-4	S	2	20	38	85	5				0	4.6	1032.7	-6	SE	3	m	36	92	4														
	Cranwell	240	1033.7	-6	SW	3	m	36	85	4				9	9	1030.7	-12	S	4	m	40	75	4														
3	Birmingham	535														1031.0	-6	SSW	2	bc	35	85	6														
	Upper Heyford	408	1035.0	-2			cf	34	97	3				0	7.8	1032.6	-10		0	35	92	4															
	Ross-on-Wye	223														1031.2	-10	SE	1	20	31	97	5														
5	Hartland Point	299	1032.5	-12	S	3	b	41	75	8				0	0	1029.8	-14	SW	3	c	43	85	8														
	Bristol	209	1033.9	-10	SE	3	b	41	75	6				1	1	1031.7	-6	SE	3	bc	42	85	6														
	Portland Bill	32	1034.0	-4	SE	3	c	50	85	8				10	10	1031.4	-6	SSW	3	c	51	85	8														
	Plymouth	82	1033.4	-10			20	40	92	4				0	0	1031.5	-10	NNE	1	20	41	92	5														
	The Lizard	240	1033.3	-6	SE	2	bc	48	75	4				2.3	2.3	1031.5	-6	SSW	4	c	49	65	8														
	Scilly (St. Mary's)	163	1032.8	-2	SW	3	c	49	65	8				9+	9+	1030.3	-12	SSW	4	c	50	65	8														
	Guernsey	175	1034.3	0			c	43	85	7				7.8	9	1033.2	-2	SW	1	c	46	65	7														
6	Pembroke	142	1030.9	-14	SW	4	c	50	65	8				10	10	1028.2	-10	SW	5	c	51	75	8														
7	Holyhead	26	1029.4	-14	S	5	c	50	75	8				9	10	1025.3	-20	SSW	6	c	51	75	8														
	Chester (Sealand)	16	1032.3	-14	SE'S	2	20	39	85	5				10	10	1028.4	-20	SE'S	3	20	40	85	5														
8	Manchester	70	1032.1	-18	SE	2	m	36	85	4				7.8	7.8	1028.7	-18	SE	3	20	41	85	5														
10	Spurn Head	29	1033.6	-4	SSW	3	b	39	85	6				0	0	1030.9	-10	SSW	5	c	40	85	6														
	Catterick	175	1030.7	-14	SW	3	c	43	75	7				1.6	7.8	1026.8	-12	SE	2	20	40	85	6														
	Tynemouth	108	1029.5	-10	S	3	cf	44	75	5				9+	9+	1024.8	-20	S	3	c	41	85	6														
11	St. Abbs Head	280	1026.0	-22	S	3	c	45	85	8				7.8	10	1017.6	-54	SW	7	bc	46	85	8														
	Leuchars	36	1024.2	-22	SW	4	c	46	85	7				9+	9+	1018.3	-30	SSW	5	c	49	85	8														
12	Renfrew (Abbots I.)	19	1024.9	-22	SSW	5	c	48	75	8				7.8	9	1018.2	-38	SSW	5	c	50	75	6														
	Eskdalemuir	794					c	48	75	8				7.8	9	1021.9	-14	SW	5	c	49	97	4														
	Point of Ayre	30	1028.5	-10	SW	4	c	49	75	8				9	10	1022.6	-22	SW	5	c	50	85	8														
13A	Tiree	22														1011.6	-10	SSW	6	RR	50	97	6														
13B	Stornoway	80	1011.5	-36	S	8	rr	49	97	6				2.3	9	1008.3	-24	WNW	3	bc	48	92	6														
15	Dalwhinnie	1176														1014.1	-22	S	6	rr	44	92	5														
	Aberdeen	79														1015.8	-28	SSW	5	c	47	85	7														
	Wick	81	1015.6	-32	SSW	7	c	49	75	7				7.8	9+	1010.0	-28	SSW	6	c	50	85	7														
16	Lerwick	156	1013.9	-10	SW	8	c/pr	49	85	7				7.8	9	1005.5	-30	SW	8	rr	48	92	6														
17	Blackod Point	18	1019.3	-20	S	7	c	53	92	7				10	10	1014.3	-14	S	7	ir	54	97	7														
18	Malin Head	84	1019.5	-32	S	6	c	48	75	8				9	9	1013.1	-26	S	6	ir	50	92	7														
	Aldergrove	268	1025.2	-22	S	4	c	46	75	7				10	10	1019.5	-26	SW	5	c	48	85	7														
19	Birr Castle	173	1025.9	-20	SE	4	c	47	85	8				9	9	1021.6	-18	SW	6	c	53	97	6														
20	Valentia Obay.	30	1025.8	-22	S	5	dd	52	97	6				10	10	1024.3	-20	SW	6	c	52	97	7														
	Roches Point	22	1028.7	-18	SSW	5	c	51	85	8				9	9	1024.3	-20	SW	6	c	52	97	7														
LONDON OBSERVATIONS			Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun-shine to Sunset hrs.	Humidity.		Visibility 9h.	Atmospheric Pollution.				EXPLANATION OF FIGURES, LETTERS, etc.																	
Day 7h-18h, Kew & Croydon.				Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.	Yesterday.	To-day.	Milligrams of Solid Impurity per cubic metre.				COLUMNS 2, 16.						COLUMNS 8, 22—Code for surface visibility.													
9h-18h, Kensington.														24 hrs. ended 9h.				°F.				°F.				24 hrs. ended 7h. G.M.T. 22nd				The barometric tendency is expressed in tenths of a millibar.						Objects not visible at	
9h-21h, other stations except for rainfall which is 9h-18h.																																					
Kew...			18	off	off	off	46	32	26	-	-	0.0	.	.	.																						

LONDON OBSERVATIONS

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

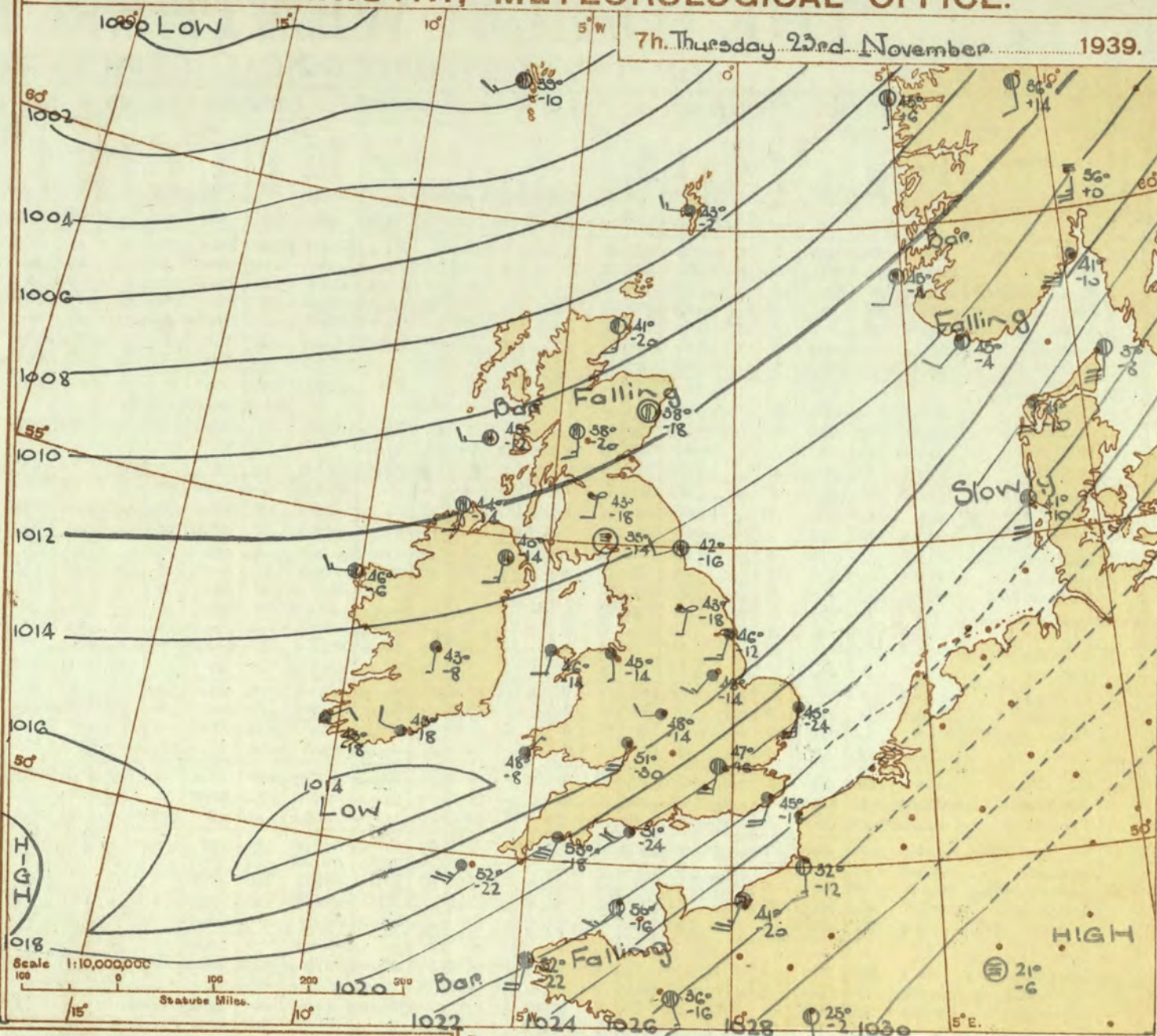
Kew... ..
'ROYDON
GREENWICH (Royal Observatory)...
CITY (Bunhill Row)
WESTMINSTER (St. James' Park) ...
REGENTS PK. (Botanic Gardens)...
CAMDEN SQUARE
KENSINGTON
HAMPSHIRE OBSERVATORY

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Thursday, 23rd November 1939.
No. 28490

OBSERVATIONS at 13h. G.M.T. 22nd November															OBSERVATIONS at 18h. G.M.T. 22nd November															PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	0-9 Visibility. (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	0-9 Visibility. (22)	Cloud.				Barom. at M.S.L. mb. (29)	State of Ground. 0-9 (30)	Sea. 0-9 (31)	WEATHER.						
				Dir.	Force. 0-12 (4)					Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)	Dir.			Force. 0-12 (18)	Form.					Amount. 0-10 (26)	Height of Base. (feet) (28)	7h.—13h. 22nd (37)	13h.—18h. 22nd (38)				18h.—23rd 23rd (39)	1h.—7h. 23rd (40)					
1	London (Kew)...	1030.1	-14	SSW	3	z	48	75	5	3	-	4-6	3	2500	1028.3	-4	SSW	3	z	47	75	5	5	-	10	10	2500	1	*	bfcz	cz	cmo cfo	lger cfo		
	Croydon ...	1030.6	-18	S'E	3	c	50	65	5	3	1	7-8	7-8	5700	1028.4	-10	S'W	2	m	46	85	4	5	-	3	3	4000	1	*	cm bcm	cz cm	cm mmo	lro mmo		
	S. Farnborough	1030.6	-18	S'W	3	z	46	75	5	5	-	3	3	5700	1028.4	-4	SW'S	3	z	47	75	6	5	1	-	10	10	4000	1	*	cfcm	cm	cmo cfo	cid ddo	
	Boscombe Down	1030.2	-18	S	3	z	44	85	5	-	-	10	10	4000	1028.1	-6	SSW	4	z	45	75	6	5	-	-	3	3	2500	0	*	cm	cm	cmo cfo	odr cfo	
	Calshot (Soton.)	1030.3	-12	S'E	3	z	50	75	7	5	2	-	7-8	10	4000	1028.3	-6	SW	3	c	45	75	7	5	-	10	10	4000	1	2	cmcm	cmg	cmo cfo	cmo ddr	
	Lymington	1032.0	-14	S'W	2	c	49	65	8	1	-	6	Tr	7-8	4000	1030.0	-8	S'W	2	c	42	85	7	1	-	2	Tr	7-8	4000	1	§ 1	cbcbcc	bcc	c	cfo
	Manston	1031.7	-18	SSW	3	c	49	65	7	-	-	6	0	7-8	-	1028.3	-6	S'W	2	z	41	85	6	-	7	-	0	3	-	0	*	cm bc	bccm	cmo	cmo cfo
2	Shoeburyness ...	1030.7	-14	WSW	3	c	48	75	6	-	-	6	0	7-8	-	1028.7	-4	S	4	c	46	85	7	5	1	-	4-6	10	4000	1	*	cm bbcm	bccm	cpr c	cpr c
	Felixstowe	1030.5	-16	S'W	3	c	48	65	5	-	-	3	3	2500	1027.7	-8	S'W	4	c	45	85	6	5	-	-	3	3	2500	0	2	cbcc	c	c	cor cfo	
	Gorleston	1029.4	-24	S	3	z	47	65	5	5	-	2	4-6	3	4000	1028.3	-16	S	5	z	44	85	5	5	1	-	4-6	10	2500	0	*	cm	cm	cmo cfo	cmo cfo
	Mildenhall	1029.4	-24	S	3	z	47	65	5	5	-	2	4-6	3	4000	1028.3	-16	S	5	z	44	85	5	5	1	-	4-6	10	2500	0	*	cm	cm	cmo cfo	cmo cfo
	Cranwell	1029.4	-24	S	3	z	47	65	5	5	-	2	4-6	3	4000	1028.3	-16	S	5	z	44	85	5	5	1	-	4-6	10	2500	0	*	cm	cm	cmo cfo	cmo cfo
3	Birmingham	1026.3	-26	SSW	4	c	46	65	7	-	2	-	0	10	-	1028.3	-20	SSW	4	ir	48	85	6	6	2	-	4-6	10	1500	1	*	bcc	cor	cor	cor
	Upper Heyford	1029.1	-26	S'W	3	z	47	75	6	-	7	-	0	3	-	1026.6	-8	S'W	3	z	45	85	6	5	7	-	4-6	10	4000	1	*	cmz	cm	cd ddr	cd ddr
	Ross-on-Wye	1027.4	-24	S'W	4	c	48	65	7	-	2	-	0	10	-	1024.3	-12	SSW	4	id	47	75	6	5	2	-	4-6	10	1500	1	*	bcmcz	ccg c	ccg c	ccg c
5	Hartland Point	1027.0	-20	WSW	5	c	51	65	8	5	2	-	9	10	2500	1028.5	-14	WSW	5	c	50	85	8	5	2	-	7-8	10	1500	0	3	c	cc	crr	crr
	Bristol ...	1029.3	-20	S'W	3	c	49	65	7	5	7	-	7-8	10	4000	1028.6	-14	SW'S	4	c	47	75	7	5	7	-	3	10	2500	1	*	bcc	c	c	c
	Portland Bill	1030.1	-18	SW	4	c	51	85	8	5	-	10	10	4000	1028.3	-18	SW	5	c	50	85	7	5	-	10	10	4000	1	3	c	c	c	c		
	Plymouth	1029.4	-20	SSW	5	c	51	75	8	5	-	10	10	4000	1028.6	-14	SSW	5	c	52	75	7	5	-	10	10	2500	1	4	cmwz	c	c	c		
	The Lizard	1029.6	-20	S	5	c	50	85	8	2	-	9	10	2500	1027.4	-18	S	5	c	51	85	8	2	-	10	10	1500	0	3	c	c	c	c		
	Scilly (St. Mary's)	1028.3	-18	SSW	5	c	52	75	8	5	-	10	10	2500	1025.6	-8	SW'S	5	c	52	75	7	5	-	10	10	1500	1	2	c	c	c	c		
	Guernsey	1031.2	-18	SSW	1	c	48	65	5	8	1	-	7-8	3	2500	1029.8	-4	S	1	bc	45	75	7	8	1	-	4-6	4-6	4000	0	2	c	c	c	c
6	Pembroke	1025.4	-14	SW'W	7	cq	53	85	7	8	2	-	7-8	10	1500	1021.3	-10	WSW	7	dd	51	37	6	8	2	-	7-8	10	1500	1	4	cq	qddmc	crrmo	crrmo
	Holyhead	1020.8	-26	SSW	6	cc	51	92	6	2	-	7-8	10	800	1013.3	0	W	3	RR	49	37	6	8	2	-	3	10	450	1	3	cq	qddmc	crrmo	crrmo	
	Chester (Sealand)	1024.1	-22	SSW	3	c	51	65	8	5	7	-	7-8	10	2500	1020.7	-8	SSW	4	c/r	51	75	6	5	7	-	4-6	10	1500	1	*	cm	cm	cm	cm
	Manchester	1024.2	-28	S	4	z	46	85	6	5	7	1	3	3	4000	1021.1	-16	S	4	rr	46	92	5	6	2	-	2-3	10	1500	1	*	cm	cm	cm	cm
10	Spurn Head	1025.0	-26	S'W	5	m	46	75	4	5	8	-	4-6	3	2500	1022.8	-12	S'W	5	c	45	85	6	5	1	-	3	10	4000	0	3	cm	cm	orr	orr
	Catterick	1022.5	-2	SE'S	3	z	46	75	4	5	7	-	7-8	3	1500	1018.6	-20	SSW	5	ig	48	75	6	6	7	-	4-6	10	1500	1	*	cm	cm	cm	cm
	Tynemouth	1020.0	-24	S	4	c	45	75	5	8	-	3	3	1500	1016.6	-14	S	5	c	48	75	6	8	-	-	4	3	1500	1	1	c	c	c	c	
11	St. Abbs Head	1014.3	-20	SW	7	ig	48	92	8	8	2	-	7-8	3	1500	1014.0	+4	W	4	c/r	47	85	7	8	2	-	7-8	10	1500	1	3	cq	irc	c	c
	Leuchars	1013.3	-22	SW	5	rr	50	92	6	3	-	10	10	800	1014.5	+22	W	3	c	45	32	8	8	-	-	3	3	2500	1	*	cm	cm	cm	cm	
	Reufrew (Abbots I.)	1013.7	-24	SSW	5	RR	51	92	6	3	-	10	10	800	1016.2	+16	W'S	1	c	44	32	8	5	1	-	7-8	10	1500	1	*	cm	cm	cm	cm	
	Eskdalemuir	1015.3	-32	SSW	7	RR	47	97	6	3	-	10	10	450	1015.8	+10	W	3	c/r	45	85	7	5	2	-	4-6	10	800	2	*	c/r	RR	RR	RR	
	Point of Ayre	1017.3	-22	SW'W	6	rr	50	97	7	8	2	-	3	10	1500	1017.7	+16	NW'N	4	c/r	48	85	7	8	1	-	4-6	10	1500	1	3	crr	rr	c	c
13A	Tiree ...	1011.4	+4	SW	3	c/pr	44	85	8	8	7	-	4-6	7-8	2500	1014.7	+4	WSW	2	bc	45	75	8	8	-	-	4-6	4-6	1500	0	3	crr	bc	bccr	bccr
13B	Stornoway	1011.4	+4	SW	3	c/pr	44	85	8	8	7	-	4-6	7-8	2500	1014.7	+4	WSW	2	bc	45	75	8	8	-	-	4-6	4-6	1500	0	3	crr	bc	bccr	bccr
15	Dalwhinnie	1013.2	0	SW	4	rr	42	85	7	6	1	-	4-6	10	2500	1015.0	+20	S	2	bc	38	32	7	8	6	-	2-3	4-6	2500	1	*	crr	crr	crr	crr
	Aberdeen	1012.3	-28	SW	4	c/r	50	85	6	2	-	3	10	800	1013.7	+14	NW'W	2	bc	42	32	6	-	-	6	0	4-6	-	1	1	crr	crr	crr	crr	
	Wick	1011.0	+16	SW	3	c/d	45	32	8	5	7	-	7-8	3	2500	1011.8	+4	SSW	2	bc	37	32	8	5	1	-	Tr	2-3	2500	1	1	rr	cd	cd	cd
	Lerwick...	1008.4	+34	W'N	5	c/r	44	32	7	6	2	-	4-6	10	800	1008.6	+6	SW'W	2	c/pr	42	32	8	8	7	-	4-6	7-8	800	1	*	crr	cpr	bccr	bccr
17	Blacksod Point...	1018.3	+8	W	4	c	48	85	8	3	-	3	3	800	1018.8	+6	W	2	bc	46	75	8	-	-	7	0	4-6	-	1	3	ir	bc	bc	bc	
	Malin Head	1015.5	+8	NW	3	c	46	32	7	5	-																								

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 23rd November 1939.



DISTRICTS.

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

1 S.E. England	Fresh or strong southwest wind, veering later; rainy at first, probably bright intervals tomorrow; mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Light variable wind, becoming northwest, backing west fresh locally; rain at first, bright intervals and local showers tomorrow; mild.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind southwest to west, mainly moderate or light, fresh locally later; occasional rain or showers but fair intervals; local fog; average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, 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 shallow depression over the British Isles is moving northeast and growing deeper. It will give general rain except in Scotland and North Ireland but a temporary improvement is to be expected behind it.

FURTHER OUTLOOK.

Changeable, with alternating rainy and fairer periods.

Forecasts issued at

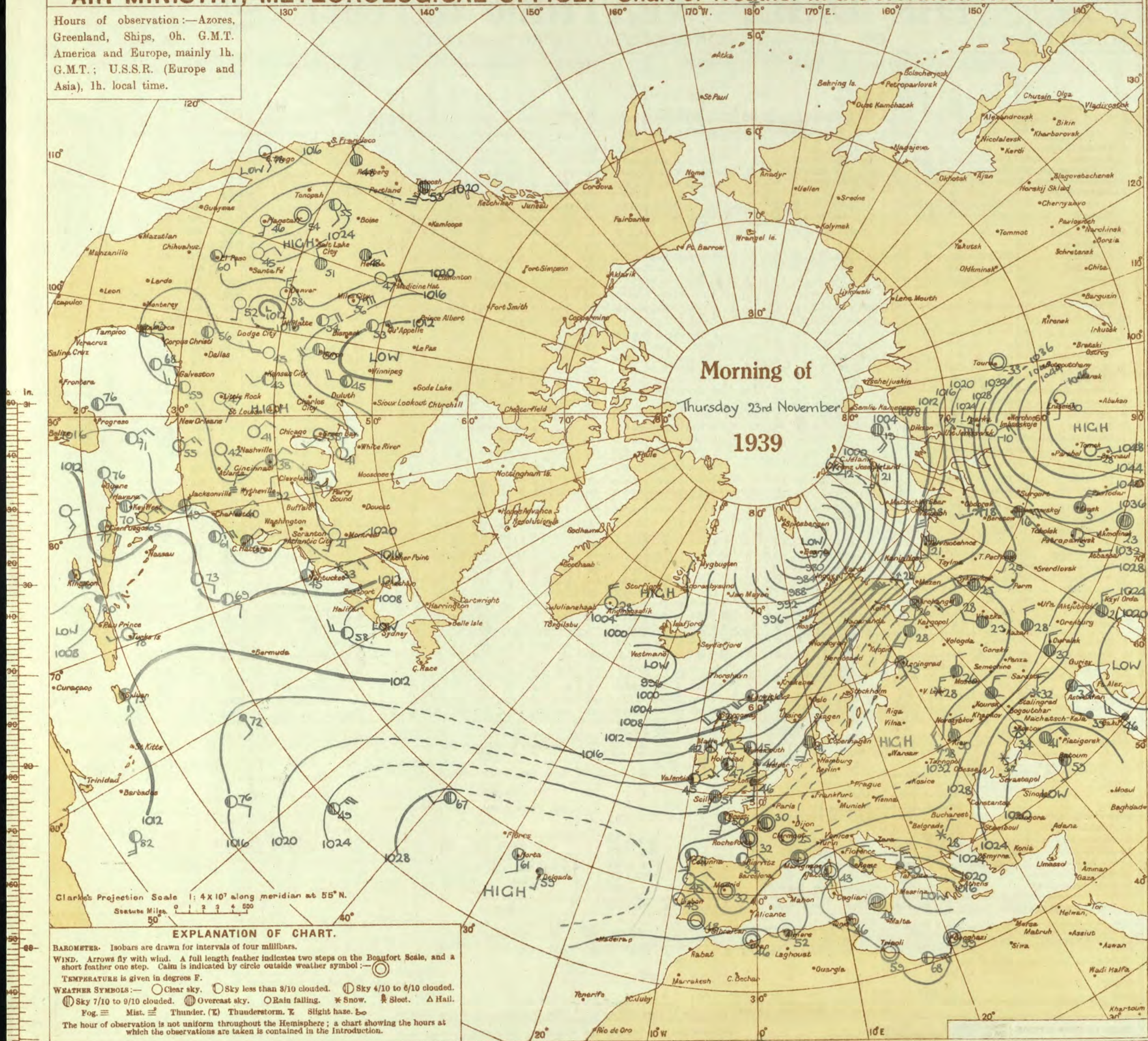
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, 1030 G.M.T.

0.476/3717, No. 5109, D. 4626, G. 248, 24300 11/39

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 23rd November 1939.

No. 28,490

OBSERVATIONS at 1 hr. G.M.T. 23rd November															OBSERVATIONS at 7 hr. G.M.T. 23rd November													PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (30)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.					RAINFALL.		Sun-shine Hrs. (36)
					Direc.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Direc.	Force.			Form.	Amount.					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)							
																																Low.	Med.	High.	Low.	Med.	High.	
1	London (Kew)	18	1025.2	-22	S'W	3	16	46	75	6	5	2	7-8	10	1000	1019.6	-20	S'W	4	47	92	6	6	2	7-8	10	1500	1	*	49	46	42	-	1	2.3			
	Croydon	217	1025.2	-22	S'W	3	16	46	75	6	5	2	7-8	10	1000	1020.7	-16	S'W	4	47	92	6	6	2	7-8	10	1500	1	*	50	45	43	-	Tr	3.8			
	S. Farnborough	226	1024.7	-18	SSW	4	16	45	85	6	5	2	10	10	2500	1019.8	-18	SSW	4	47	97	5	5	-	10	10	800	1	*	48	45	42	-	1	0.4			
	Boscombe Down	417	1023.5	-22	SSW	4	16	46	97	5	2	2	10	10	450	1018.7	-22	S'W	4	48	97	6	6	2	7-8	10	1500	1	*	47	45	42	-	3	0.0			
	Calshot (Stmntn.)	8														1020.4	-18	SSW	5	50	97	5	6	2	7-8	10	1500	1	2	50	48	46	-	3	0.0			
	Lympe	346	1025.9	-18	SW'S	3	16	46	75	8	5	7	7-8	10	2500	1022.1	-18	SSW	4	45	85	7	5	7	7-8	10	2500	1	3	50	42	37	-	Tr	6.3			
	Manston	154	1025.8	-22	S'W	3	16	46	85	6	5	-	10	10	2500	1021.9	-14	SSW	4	46	85	6	5	2	2-3	10	4000	1	*	49	40	34	-	0.2	5.4			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.1	-16	N'E	4	47	85	5	5	-	10	10	800	1	*	49	46	41	-	0.4	4.4			
	Felixstowe	15														1020.4	-16	SW'S	4	46	85	6	5	-	10	10	1500	1	3	50	45	41	-	1	3.9			
	Gorleston	5	1023.3	-22	S	4	16	45	85	6	5	-	9	10	2500	1018.6	-24	S	5	45	92	6	6	-	10	10	1500	1	3	49	43	42	-	2	*			
	Mildenhall	19	1022.8	-30	S	4	16	45	85	6	5	-	10	10	4000	1017.9	-22	S'W	4	47	92	6	6	2	7-8	10	1500	1	*	44	39	3	1.0					
	Cranwell	240	1019.9	-20	SSW	5	16	45	92	6	6	-	10	10	1500	1015.3	-14	SW'S	3	46	97	6	6	-	10	10	1500	1	*	46	44	41	-	5	0.3			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.2	-14	W	2	48	97	4	6	-	10	10	800	1	*	46	43	41	0.3	7	0.1			
	Upper Heyford	408	1022.5	-22	SW	3	16	44	97	6	5	2	9	10	450	1017.6	-24	S'W	4	48	97	6	6	2	9	10	450	1	*	47	43	-	3	*				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.1	-30	S'W	4	51	92	7	6	-	10	10	1500	1	*	49	46	43	Tr	0.3	1.5			
5	Hartland Point	299	1020.3	-16	WSW	5	16	50	97	6	6	-	10	10	800	1014.2	-22	WSW	5	51	97	6	5	2	10	10	800	0	3	51	49	47	Tr	17	0.0			
	Bristol	209	1022.0	-20	SSW	4	16	49	92	7	5	1	7.8	10	1500	1017.2	-18	SSW	4	51	92	7	5	2	9	10	1500	1	*	49	46	44	-	6	0.2			
	Portland Bill	32	1023.6	-12	SW	5	16	50	92	7	5	-	10	10	1500	1019.4	-24	SW	5	51	92	7	5	-	10	10	1500	1	4	51	48	-	4					
	Plymouth	82	1022.3	-22	SW'S	6	16	52	97	6	6	-	10	10	1500	1017.8	-18	SSW	6	53	97	6	6	-	10	10	1500	1	4	52	50	48	-	11	0.0			
	The Lizard	240	1022.9	-20	SSW	5	16	52	97	6	6	-	10	10	1500	1017.9	-30	SW	6	52	97	7	5	-	10	10	1500	1	3	51	50	-	3	0.0				
	Scilly (St. Mary's)	163	1021.5	-18	SW	5	16	51	97	6	6	-	10	10	1500	1016.3	-22	SW'S	5	52	97	6	5	-	10	10	1500	1	3	52	50	-	Tr	7	0.0			
	Guernsey	175	1026.3	-16	SW	2	16	48	75	8	8	-	9	10	4000	1021.7	-16	SW'S	3	50	85	7	8	-	10	10	2500	0	2	49	45	36	-	0	0.0			
6	Pembroke	142	1018.1	-16	W	4	16	53	97	6	8	2	7.8	10	1500	1014.3	-8	NE'N	1	48	97	7	8	-	9	10	1500	1	2	55	46	-	2	19	0.0			
	Holyhead	26	1017.7	-10	WSW	1	16	47	92	8	5	2	7.8	10	2500	1014.2	-14	SSW	2	46	92	6	6	2	9	10	800	1	1	54	45	43	13	4	0.0			
	Chester (Sealand)	16	1018.1	-14	NW	1	16	46	97	4	2	-	10	10	800	1015.3	-14	SE	1	45	97	4	5	-	10	10	450	1	*	51	45	43	1	9	0.0			
8	Manchester	70	1018.2	-8	WSW	1	16	45	97	5	6	2	9	10	800	1014.8	-18	S'W	2	44	97	3	6	2	9	10	800	1	*	47	43	41	2	9	0.0			
10	Spurn Head	29	1018.4	-14	SSW	5	16	44	97	6	5	-	10	10	2500	1014.7	-12	SSW	3	46	97	6	5	-	10	10	1500	2	2	45	43	-	11	0.0				
	Catterick	175	1017.1	-14	-	0	16	45	92	6	6	2	7.8	10	800	1014.0	-18	S'W	1	43	97	5	5	-	10	10	2500	1	*	48	42	40	0.1	0.3	0.0			
	Tynemouth	108	1016.7	-4	W	3	16	45	92	6	8	-	7.8	7.8	2500	1014.3	-16	WSW	2	42	92	6	5	-	10	10	1500	1	1	48	42	38	0.4	-	0.0			
11	St. Abbs Head	280	1015.5	0	W	2	16	42	85	8	5	1	4.6	10	2500	1011.9	-14	W	4	41	85	8	4	6	-	4.6	7.8	2500	0	2	49	40	-	1	-	*		
	Leuchars	36	1015.2	-4	W	2	16	38	92	7	-	1	7	0	10	-	1011.5	-22	WSW	2	38	97	6	5	3	-	2.3	4.6	4000	1	*	51	37	30	3	-	0.0	
12	Benfrew (Abbots L.)	19	1016.3	-4	-	0	16	37	97	3	5	2	9	10	2500	1012.7	-18	S'W	2	43	85	6	5	7	-	7.8	9	2500	1	*	50	34	39	11	0.1	0.0		
	Eekdalemuir	794														1013.7	-14	-	0	35	97	1	-	-	-	10	10	1500	1	*	48	31	29	29	Tr	0.0		
	Point of Ayre	30	1017.6	-4	NW'N	3	16	47	75	8	8	-	7	2.3	10	2500	1013.6	-16	WSW	2	39	92	8	5	1	-	2.3	10	2500	1	1	53	38	-	7	-	0.0	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.1	-12	W'S	3	45	85	7	8	-	-	7.8	7.8	1500	1	3	50	41	37	6	3	1.4		
13B	Stornoway	80	1010.8	-8	SW	4	16	42	85	8	-	-	4.6	4.6	2500	1008.0	-14	SW	4	43	85	8	-	-	-	4.6	4.6	2500	1	1	47	41	-	2	12	2.7		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.7	-20																					

THE DAILY WEATHER REPORT

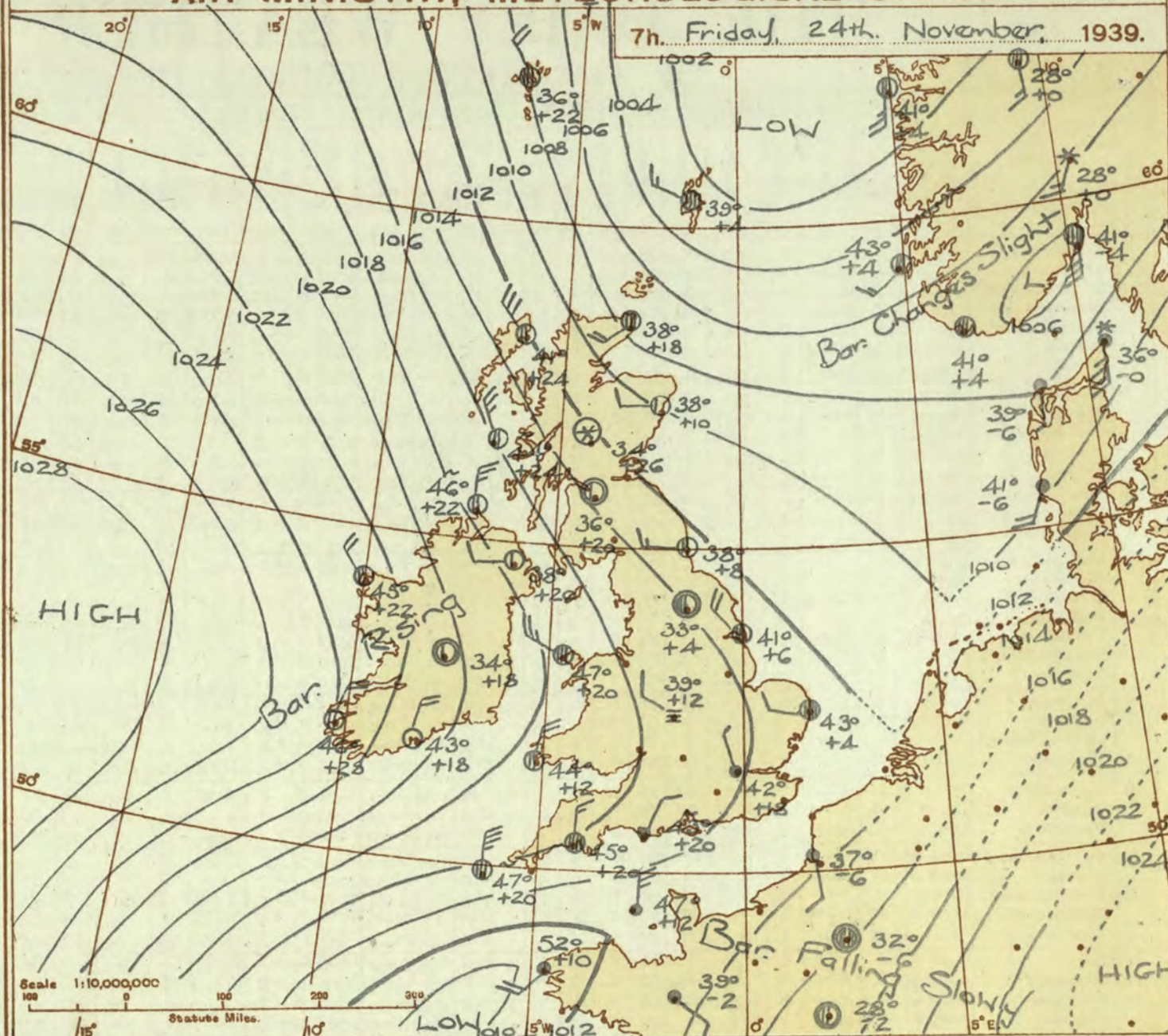
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 24th November 1939.
No. 28,491.

OBSERVATIONS at 13h. G.M.T. 23rd November														OBSERVATIONS at 18h. G.M.T. 23rd November														PAST 24 HOURS.								
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Barom. at M.S.L. (25)	Change in 3 hours (26)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Dir.	Force. 0-12 (4)					Low.	Med.	High (11)	Low 0-10 (12)			Total 0-10 (13)	Height of Base. (feet) (14)					Low.	Med.	High (23)	Low 0-10 (24)					Total 0-10 (25)	Height of Base (feet) (28)	7h.—13h. 23rd (37)	13h.—18h. 23rd (38)	18h.—24h. 24th (39)	24h.— 25th (40)	
1	London (Kew)...	1014.7	-2.0	SSW	4	bc	49	45	5	-	-	10	10	800	1012.5	-1.6	SW	5	bc	49	32	6	-	-	10	10	1500	1	*	cr	cr	cr	cr	cr		
	Croydon ...	1016.5	-1.2	SSW	4	bc	48	37	6	2	-	9	10	800	1014.1	-1.2	SSW	3	bc	48	37	6	2	-	10	10	800	1	*	cr	cr	cr	cr	cr		
	S. Farnborough	1015.8	-2.2	SSW	4	bc	50	32	6	2	-	9	10	800	1012.8	-1.2	SSW	4	bc	48	37	6	2	-	9	10	800	1	*	cr	cr	cr	cr	cr		
	Boscombe Down	1014.7	-2.2	SSW	4	bc	50	37	6	2	-	9	10	450	1011.3	-1.8	SSW	5	bc	49	37	6	2	-	10	10	450	1	*	cr	cr	cr	cr	cr		
	Calshot (Soton.)	1016.2	-2.2	SSW	6	bc	51	37	6	2	-	10	10	800	1013.4	-1.6	SSW	5	bc	50	37	6	2	-	7-8	10	800	1	4	cr	cr	cr	cr	cr		
	Lymington	1018.7	-2.4	SSW	5	bc	47	35	7	5	7	-	7-8	10	800	1016.3	-1.0	SW	4	bc	45	37	6	5	2	-	9	10	1500	1	4	cr	cr	cr	cr	
	Manston	1018.0	-2.6	SSW	5	bc	47	35	6	2	-	7-8	10	800	1015.6	-1.6	SSW	5	bc	47	35	6	2	-	7-8	10	800	1	*	cr	cr	cr	cr	cr		
2	Shoeburyness ...	1017.3	-2.0	N	5	bc	48	32	5	-	-	10	10	1500	1014.2	-3.2	SW	4	bc	48	32	5	6	2	-	9	10	1500	1	*	cr	cr	cr	cr		
	Felixstowe ...	1016.5	-2.2	SSW	5	bc	47	37	6	2	-	10	10	800	1013.4	-1.6	SSW	6	bc	47	32	6	6	2	-	4-6	10	1500	1	4	cr	cr	cr	cr		
	Gorleston	1015.0	-2.0	S	5	bc	47	32	6	2	-	10	10	1500	1012.0	-8	S	5	bc	48	32	6	6	-	-	10	10	1500	1	4	cr	cr	cr	cr		
	Mildenhall	1013.7	-2.6	SW	5	bc	50	32	5	2	-	9	10	800	1011.3	-14	S	5	bc	49	32	5	6	2	-	4-6	10	1500	1	*	cr	cr	cr	cr		
	Cranwell	1011.6	-1.8	NW	2	bc	46	37	4	6	2	-	9	10	800	1011.4	+6	NNE	2	bc	43	37	4	6	2	-	9	10	450	1	*	cr	cr	cr	cr	
3	Birmingham	1011.8	-1.0	NNW	2	bc	44	37	3	6	-	-	10	10	450	1012.0	+2	NNW	2	bc	42	37	5	6	-	-	10	10	450	1	*	cr	cr	cr	cr	
	Upper Heyford	1013.5	-2.4	SW	4	bc	50	37	7	6	2	-	9	10	800	1011.2	-6	SSW	3	bc	49	37	6	2	-	9	10	450	1	*	cr	cr	cr	cr		
4	Ross-on-Wye ...	1011.4	-2.0	SW	5	bc	51	32	7	6	-	-	10	10	1500	1011.4	+6	NEN	3	bc	44	37	5	6	-	-	10	10	450	1	*	cr	cr	cr	cr	
5	Hartland Point	1009.9	-2.4	WSW	6	bc	52	37	7	6	2	-	7-8	10	800	1010.8	+2	NE	3	bc	47	37	7	6	2	-	7-8	9	1500	0	3	cr	cr	cr	cr	
	Bristol ...	1013.2	-2.2	SSW	4	bc	51	32	7	6	2	-	4-6	10	800	1012.3	-1.2	SW	5	bc	51	32	6	5	-	-	10	10	1500	1	5	cr	cr	cr	cr	
	Portland Bill	1015.2	-2.0	SW	6	bc	51	32	7	5	-	-	10	10	1500	1010.7	-10	SSW	7	bc	52	37	6	6	-	-	10	10	800	1	5	cr	cr	cr	cr	
	Plymouth	1013.5	-2.6	SW	6	bc	51	37	6	2	-	-	10	10	1500	1010.7	-10	SSW	7	bc	52	37	6	6	-	-	10	10	1500	1	5	cr	cr	cr	cr	
	The Lizard	1013.8	-2.0	SSW	7	bc	52	37	6	5	-	-	10	10	1500	1010.5	-1.6	SSW	5	bc	52	32	6	5	-	-	10	10	1500	1	4	cr	cr	cr	cr	
	Scilly (St. Mary's)	1012.2	-1.8	SW	5	bc	53	37	6	5	-	-	10	10	1500	1010.0	-2	SW	4	bc	52	37	6	6	-	-	10	10	1500	1	3	cr	cr	cr	cr	
	Guernsey	1018.0	-2.4	SW	3	bc	50	35	7	8	2	-	7-8	10	2500	1015.3	-1.8	SSW	3	bc	48	32	6	2	-	-	9	10	1500	1	3	cr	cr	cr	cr	
6	Pembroke ...	1011.9	-1.2	NEN	4	bc	46	37	7	5	-	-	10	10	1500	1012.4	+6	NEN	3	bc	45	37	7	5	-	-	10	10	1500	1	2	cr	cr	cr	cr	
7	Holyhead ...	1012.6	-1.0	-	0	bc	44	32	7	-	2	-	10	10	800	1011.9	+2	NW	4	bc	48	35	6	2	-	-	7-8	10	1500	1	2	cr	cr	cr	cr	
	Chester (Sealand)	1012.4	-1.6	NW	1	bc	45	35	6	2	-	-	7-8	10	1500	1012.4	+2	-	0	43	32	5	6	8	-	-	4-6	10	800	1	*	cr	cr	cr	cr	
8	Manchester ...	1012.7	-1.4	NW	1	bc	44	37	4	6	2	-	7-8	10	1500	1012.2	+2	SW	1	bc	42	37	3	-	-	-	10	10	2500	1	*	cr	cr	cr	cr	
10	Spurn Head ...	1011.4	-2.2	NW	3	bc	44	37	5	5	-	-	10	10	800	1011.2	0	NW	3	bc	42	37	6	5	-	-	10	10	800	2	2	cr	cr	cr	cr	
	Catterick	1011.4	-1.4	-	0	bc	44	35	7	5	2	-	2-3	10	4000	1010.0	0	-	0	42	35	6	5	2	-	-	2-3	10	4000	1	4	cr	cr	cr	cr	
	Tynemouth	1011.6	-1.0	SW	2	bc	45	32	5	-	-	-	10	10	1500	1010.4	-2	SW	2	bc	45	35	3	5	-	-	10	10	1500	1	1	cr	cr	cr	cr	
11	St. Abbs Head	1009.8	-1.2	SW	4	bc	41	35	8	5	2	-	4-6	10	2500	1008.5	0	NW	2	bc	43	35	8	5	3	-	-	7-8	9	2500	0	2	cr	cr	cr	cr
	Leuchars	1009.0	-1.4	WSW	1	bc	42	32	6	5	2	-	4-6	10	4000	1008.1	-2	W	2	bc	39	35	7	-	3	-	-	0	1	-	1	*	cr	cr	cr	cr
12	Renfrew (Abbots L.)	1010.8	-1.0	W	3	bc	45	32	8	7	-	-	7-8	9	1500	1010.4	+6	W	3	bc	39	35	7	8	4	1	1	4-6	1500	1	*	cr	cr	cr	cr	
	Eskdalemuir	1010.4	-1.4	SW	3	bc	41	32	6	5	2	-	4-6	9	1500	1010.3	+6	W	3	bc	39	35	8	5	3	-	-	2-3	7-8	1500	1	*	cr	cr	cr	cr
	Point of Ayre	1011.1	-1.6	NNW	4	bc	48	35	8	1	-	-	4-6	10	2500	1011.1	+2	NNW	5	bc	47	35	8	2	-	-	9	1	9	1500	1	2	cr	cr	cr	cr
13A	Tiree ...	1008.9	-2	WS	2	bc	43	35	8	8	-	-	4-6	4-6	1500	1008.6	+4	NNW	4	bc	45	35	8	8	-	-	4-6	4-6	1500	0	3	cr	cr	cr	cr	
13B	Stornoway	1007.3	-8	SW	3	bc	42	35	8	3	-	-	7-8	7-8	2500	1006.9	+2	WSW	4	bc	40	32	7	8	7	-	-	7-8	9	2500	1	2	cr	cr	cr	cr
15	Dalwhinnie	1008.0	-1.0	SW	3	bc	39	35	7	4	1	2	4-6	3	2500	1008.9	-2	W	4	bc	35	35	7	4	-	-	4-6	4-6	2500	1	*	cr	cr	cr	cr	
	Aberdeen	1007.8	-2.0	SW	1	bc	41	35	4	5	2	-	1	10	1500	1007.6	+4	-	0	38	35	4	-	3	-	-	0	2-3	-	1	1	cr	cr	cr	cr	
	Wick ...	1006.1	-1.6	SSW	3	bc	43	35	5	4	1	4	4-6	4-6	2500	1005.6	+2	SW	3	bc	36	37	8	5	6	-	-	1	2-3	2500	1	2	cr	cr	cr	cr
16	Lerwick...	1004.6	-1.6	SW	3	bc	43	35	8	8	3	-	4-6	7-8	1500	1002.7	-1.2	SW	3	bc	42	35	7	8	7	-	-	7-8	9	800	1	*	cr	cr	cr	cr
17	Blacksod Point...	1013.4	0	WNW	3	bc	47	35	8	5	-	5	2-3	4-6	2500	1014.8	+1.2	NW	3	bc	45	35	8													

AIR MINISTRY, METEOROLOGICAL OFFICE.

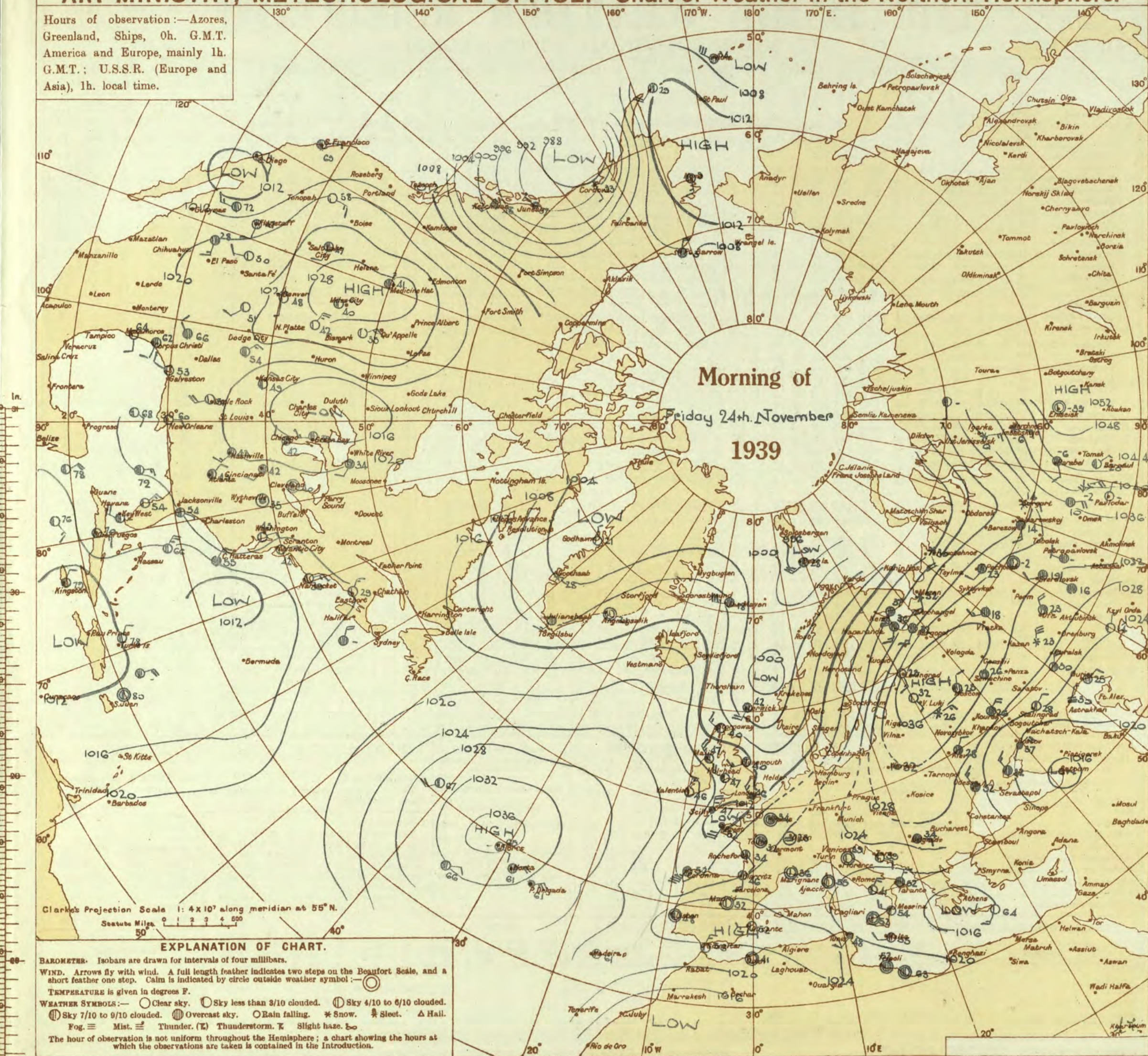
7h. Friday, 24th. November, 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th November, 1939.	BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. ~~~ Rough. ~~~ High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.	
1 S.E. England	Light to moderate northeast wind, fresh locally; occasional rain at first, fair later; local morning fog; rather cold, frost locally at night.	GENERAL INFERENCE. A wedge of high pressure west of Ireland is spreading east and a depression over the Bay of Biscay is moving slowly southeast. There will be occasional rain in the extreme southeast and wintry showers in the North but elsewhere weather will be mainly fair.	
2 E. England ...			
3 E. Midlands ...			
4 W. Midlands ...			
5 S.W. England	Fresh or strong north wind, decreasing; mainly fair; rather cold.	FURTHER OUTLOOK. Rain in the Northwest; mainly fair elsewhere.	
6 South Wales ...			
7 North Wales ...			
8 N.W. England			
9 N. Midlands	As 2 - 4.	FORECASTS ISSUED AT 1000 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.	
10 N.E. England	Fresh northwest wind, decreasing; mainly fair; rather cold, frost locally at night.		
11 S.E. Scotland			
12 S.W. Scotland & Isle of Man.			
13 { A.W. Scotld. B.N.W.Scot- land.	Fresh northwest wind, strong locally on coasts, decreasing and backing southwest; bright intervals and wintry showers at first, fair later; rather cold, frost at night.	Forecasts issued at 1000 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.	
14 Mid Scotland			
15 N. E. Scotland			
16 Orkneys and Shetlands			
17 N. W. Ireland	Light to moderate northwest wind, backing southwest; mainly fair; rather cold, frost at night.	Forecasts issued at 1000 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.	
18 N. E. Ireland			
19 S. E. Ireland			
20 S. W. Ireland			

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

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. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE 24th Hrs.			
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. or Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																Low.	Med.		High	Low	Total
1	London (Kew) ... 18	1012.1	-6	NW	3	ro	46	37	6	2	-	9	10	450	1014.5	+16	NNW	2	ro	42	32	6	2	-	7-8	10	1500	1	*	49	41	40	5	10	0.0		
	Croydon ... 217	1012.5	+10	NW	3	ro	46	37	6	2	-	9	10	1500	1014.4	+18	NNW	1	ro	42	37	5	6	2	-	7-8	10	450	1	*	48	41	40	6	10	0.0	
	S. Farnborough ... 226	1012.5	+10	NW	3	ro	46	37	6	2	-	9	10	1500	1014.5	+16	NNW	2	ro	41	37	5	6	2	-	7-8	10	2500	2	*	47	41	40	5	11	0.0	
	Boscombe Down ... 417	1012.5	+18	N	3	ro	42	37	5	6	2	-	9	10	800	1015.2	+18	NW	2	ro	41	37	4	6	2	-	9	10	1500	1	*	50	41	39	9	12	0.0
	Calshot (Stmntn.) ... 8	1011.5	-8	NNW	4	ro	47	37	5	6	2	-	10	10	450	1014.3	+20	N	3	ro	42	37	5	6	2	-	10	10	600	1	2	51	42	42	11	16	0.0
	Lympe ... 346	1013.6	-14	SW	4	ro	46	37	5	6	2	-	9	10	220	1013.4	+10	NE	4	ro	42	37	6	5	-	-	10	10	1500	1	3	47	42	41	11	11	0.0
	Manston ... 154	1012.5	-12	SW	4	ro	47	32	6	2	-	9	10	800	1013.4	+22	NE	4	ro	43	32	6	6	2	-	9	10	800	1	*	48	43	42	4	11	0.0	
2	Shoeburyness ... 11	1011.0	-10	SSW	5	ro	47	37	5	6	2	-	9	10	800	1014.9	+20	NNW	2	ro	42	37	4	6	-	-	10	10	1500	1	*	49	42	*	6	10	0.0
	Felixstowe ... 15	1011.0	-10	SSW	5	ro	47	37	5	6	2	-	9	10	800	1012.5	+10	NNW	3	ro	42	37	6	2	-	-	10	10	4000	1	3	48	42	41	5	5	0.0
	Gorleston ... 5	1010.8	+4	NNW	3	ro	46	32	6	6	2	-	10	10	1500	1012.2	+4	WN	2	0	43	32	6	5	-	-	10	10	1500	1	2	48	43	42	8	8	*
	Mildenhall ... 19	1012.1	+12	NNW	3	ro	46	32	6	6	2	-	9	10	450	1013.9	+12	NNW	2	m	40	37	4	5	-	-	4-6	4-6	4000	1	*	50	39	38	5	7	0.0
	Cranwell ... 240	1012.6	+2	WN	2	cf	40	37	3	1	-	0	10	-	1014.1	+10	NNW	3	f	38	37	3	7	-	-	0	7-8	-	1	*	50	37	35	13	2	0.0	
3	Birmingham ... 535	1013.6	+10	NNE	2	ro	41	37	6	2	-	10	10	450	1015.5	+12	NW	2	cf	39	32	3	5	-	-	9	9	1500	1	*	50	38	31	18	4	0.0	
	Upper Heyford ... 408	1013.6	+10	NNE	2	ro	41	37	6	2	-	10	10	450	1015.7	+14	NW	1	m	40	37	4	5	-	-	10	10	2500	1	*	50	39	36	9	9	*	
4	Ross-on-Wye ... 223	1013.6	+10	NNE	2	ro	41	37	6	2	-	10	10	450	1016.1	+10	NW	1	e	40	37	4	5	-	-	0	10	-	1	*	52	39	34	13	6	0.0	
5	Hartland Point ... 299	1013.2	+10	NE	3	ro	45	35	7	6	2	-	7-8	10	1500	1016.2	+22	NNE	4	c	46	35	8	8	2	-	7-8	9	1500	1	3	52	43	43	19	4	0.0
	Bristol ... 209	1014.1	+14	NEN	3	ro	42	37	5	6	2	-	7-8	10	800	1016.8	+22	NNW	2	z	41	32	6	5	7	-	1-6	3	2500	1	*	40	38	*	11	0.0	
	Portland Bill ... 32	1011.7	+6	NNE	5	ro	45	32	6	5	-	-	10	10	1500	1014.9	+20	NE	3	ro	43	32	7	5	-	-	10	10	1500	2	4	52	42	*	17	*	
	Plymouth ... 82	1012.1	+8	NNE	4	ro	45	37	6	5	2	-	7-8	10	1500	1015.5	+20	N	3	c	45	35	7	5	-	-	10	10	2500	1	2	53	43	41	17	13	0.0
	The Lizard ... 240	1011.8	+8	NNW	3	ro	44	37	6	5	-	-	10	10	1500	1016.0	+24	NNW	3	c	44	32	8	5	2	-	3	10	1500	1	2	53	43	*	11	18	0.0
	Scilly (St. Mary's) ... 163	1012.7	+4	NNE	5	ro	47	37	6	8	2	-	7-8	10	1500	1015.9	+20	N	7	c	47	35	8	6	3	-	4-6	9	1500	1	4	53	45	*	13	28	0.0
	Guernsey ... 175	1012.9	-4	SSW	2	ro	49	32	6	8	2	-	9	10	1500	1012.1	+12	N	5	ro	47	37	6	8	-	-	10	10	1500	1	4	51	47	4-6	4	11	0.0
6	Pembroke ... 142	1014.7	+6	NEN	4	c	45	35	7	8	7	-	4-6	7-8	2500	1017.6	+12	NE	4	bc	44	35	8	8	4	-	2-3	4-6	2500	1	2	48	43	*	9	2	0.0
7	Holyhead ... 26	1014.4	+10	NW	4	c	47	35	8	1	3	8	2-3	7-8	4000	1017.0	+20	NNW	3	c	47	35	8	3	-	-	7-8	7-8	300	1	3	48	46	42	7	-	0.0
	Chester (Sealand) ... 16	1014.0	+6	NNW	2	c	43	35	7	5	7	7	4-6	10	2500	1015.4	+10	NW	3	z	43	35	6	2	7	-	1	4-6	2500	1	*	45	39	33	5	0.5	0.0
8	Manchester ... 70	1013.7	+6	NNW	1	f	37	37	0	7	-	-	10	10	1500	1015.0	+8	N	1	z	31	37	1	7	-	-	4-6	4-6	2500	1	*	45	31	31	6	0.2	0.0
10	Spurn Head ... 29	1011.9	0	NNW	4	c	43	32	4	5	1	-	4-6	10	1500	1013.0	+6	NNW	4	c	41	32	6	5	-	-	0	9	-	1	3	47	40	*	11	1	0.0
	Catterick ... 175	1013.4	+4	-	0	b	33	32	8	3	4	0	2-3	-	-	1013.4	+4	-	0	b	33	32	8	3	4	0	2-3	-	-	1	*	45	32	24	0.3	-	0.0
	Tynemouth ... 108	1011.8	+4	WSW	3	bc	40	35	6	2	3	-	2-3	4-6	2500	1012.0	+8	N	3	bc	38	35	6	2	-	-	2-3	2-3	2500	1	1	46	36	31	-	-	*
11	St. Abbs Head ... 280	1009.5	0	W	4	b	41	35	8	4	-	-	Tr	Tr	2500	1011.0	+10	NNW	5	b	41	35	8	4	-	-	1	1	2500	1	1	46	36	*	-	-	*
	Leuchars ... 36	1009.9	+6	SW	1	b	34	32	8	-	-	0	0	-	-	1012.1	+18	W	3	b	35	32	5	5	-	-	Tr	Tr	5700	3	*	48	33	20	Tr	1	0.0
12	Renfrew (Abbots L.) ... 19	1011.7	+6	-	0	sp	35	32	7	8	6	-	7-8	7-8	500	1014.5	+20	-	0	b	36	32	7	5	-	-	Tr	Tr	-	1	*	45	35	*	1	1	0.5
	Eskdalemuir ... 794	1011.7	+6	-	0	sp	35	32	7	8	6	-	7-8	7-8	500	1013.0	+10	NW	4	b	36	35	8	4	-	-	0	Tr	-	3	*	42	30	25	Tr	-	0.0
	Point of Ayre ... 30	1013.2	+8	NW	4	b	45	35	8	4	-	8	Tr	1	4000	1015.4	+20	N	5	b	46	35	8	4	-	-	1	1	4000	0	3	48	43	*	3	-	0.0
13A	Tiree ... 22	1013.2	+8	NW	4	b	45	35	8	4	-	8	Tr	1	4000	1015.4	+20	N	5	b	46	35	8	4	-	-	1	1	4000	0	3	48	43	*	3	-	0.0
13B	Stornoway ... 80	986.0	+12	NNW	3	bc																															

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

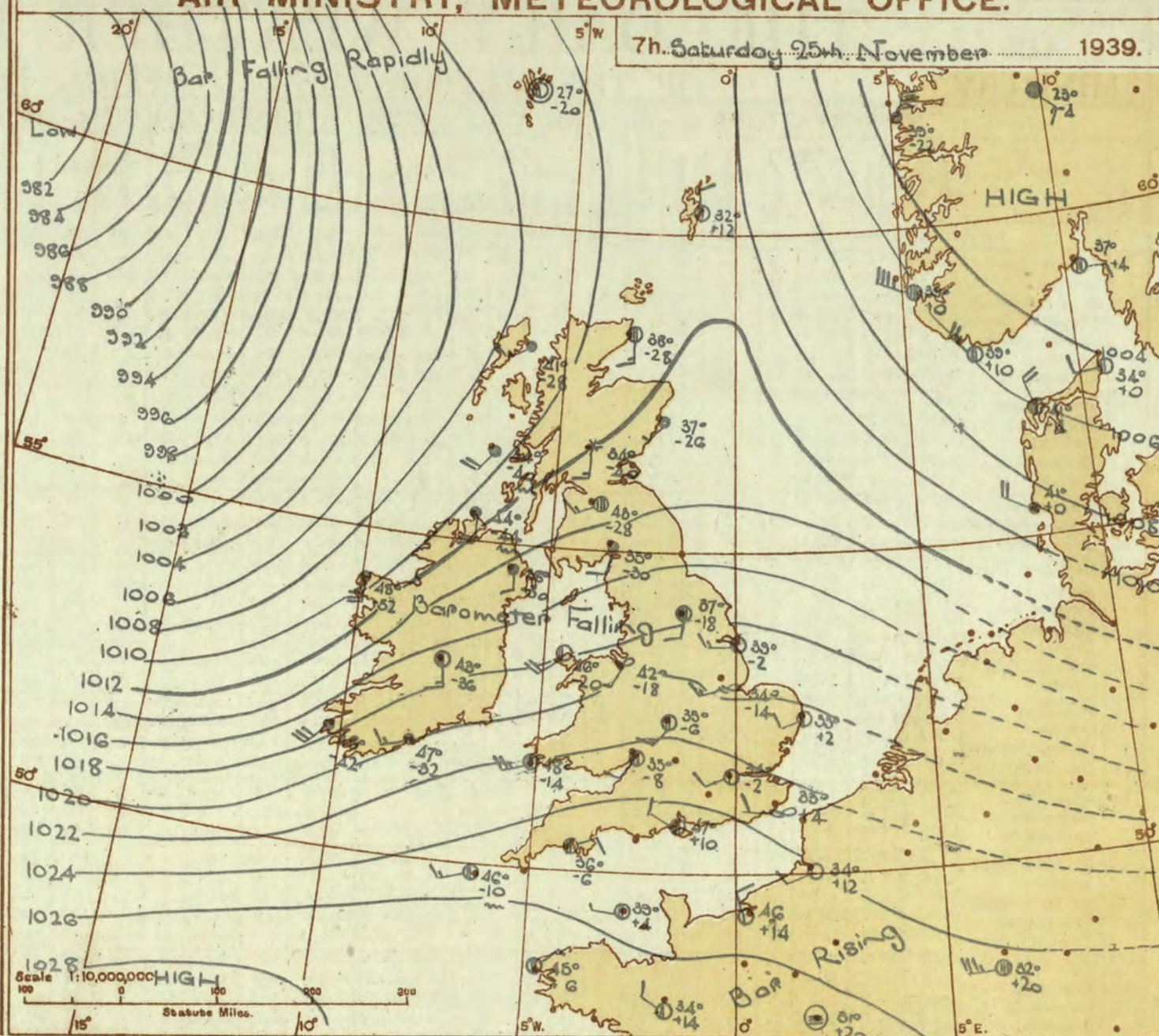
Saturday 25th November 1939.

No 28492

OBSERVATIONS at 13h. G.M.T. 24th November														OBSERVATIONS at 18h. G.M.T. 24th November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visiblity. m.	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visiblity. m.	Cloud.					State of Ground.	Sea.	WEATHER.					
				Dir.	Force.					Low.	Med.	High.	Low 0-10	Total 0-10			Height of Base. (feet)	Dir.					Force.	Low.	Med.	High.	Low 0-10			Total 0-10	Height of Base. (feet)	7h.—18h. 24th	18h.—18h. 24th	18h.—24th 1h.	1h.—7h. 25th
1	London (Kew)...	1016.6	+2	NNW	3	z	45	75	5	1	2	0	34	1020.4	+26	NNW	2	z	42	85	5	1	2	0	0	1	1	4000	1	*	crmcz	bcbbm	bmox	bmox	
	Croydon ...	1016.7	+10	NW	2	z	44	85	5	1	2	0	10	1020.0	+26	NNW	1	bt	41	82	2	5	1	1	1	1	4000	1	*	crmcz	bcbbm	bmox	bmox		
	S. Farnborough	1017.0	+4	NNW	3	z	44	85	5	1	2	0	10	1020.6	+24	W	1	z	39	85	5	1	1	1	1	1	4000	1	*	crmcz	bcbbm	bmox	bmox		
	Boscombe Down	1017.9	+6	NNW	3	z	43	75	7	1	2	0	7.8	1021.6	+30	NNW	3	z	41	85	5	1	1	1	1	2.3	2.3	2500	0	*	crmcz	bcbbm	bmox	bmox	
	Calshot (Soton.)	1016.9	+4	NNW	3	z	45	85	6	5	7	1	9	1020.4	+26	NNW	3	z	42	82	6	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Lympe	1016.0	+4	NW	3	z	43	85	5	5	1	1	10	1018.8	+22	NNW	3	z	35	85	5	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Manston	1015.4	+4	NNW	4	z	44	85	6	6	2	1	10	1018.6	+26	NNW	4	z	45	85	6	5	1	1	1	7.8	7.8	1500	1	*	crmcz	bcbbm	bmox	bmox	
2	Shoeburyness ...	1015.7	+2	NNW	3	z	44	85	4	2	1	1	10	1020.1	+48	NNW	3	z	39	85	5	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Felixstowe	1015.2	+10	NNW	3	z	44	85	5	2	1	1	10	1017.7	+22	NNW	3	z	40	85	4	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Gorleston	1014.5	+2	NNW	3	z	44	85	6	5	1	1	9	1017.1	+12	NW	3	bc	40	85	6	2	1	1	1	4.2	4.2	2500	1	2	crz	bcbbm	bmox	bmox	
	Mildenhall	1015.4	+4	NNW	3	z	43	92	5	1	1	1	10	1015.0	+18	NNW	3	z	35	92	5	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Cranwell	1016.0	+6	NNW	4	z	45	65	6	7	2	0	2.3	1019.0	+26	NW	3	z	40	75	6	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
3	Birmingham	1017.9	+4	NNW	3	bc	45	65	6	8	1	1	2.3	1021.5	+26	NNW	2	b	41	75	6	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
	Upper Heyford	1017.4	+2	NW	3	z	42	85	6	5	4	1	2.3	1021.0	+80	NNW	3	z	41	75	6	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
4	Ross-on-Wye ...	1018.4	+6	NW	3	b	47	65	8	1	1	1	1	1021.7	+20	NNW	2	b	41	75	8	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
5	Hartland Point	1019.9	+8	NNW	4	c	47	65	8	7	1	1	7.8	1023.2	+16	NNW	4	c	47	75	8	5	1	1	1	7.8	7.8	2500	1	3	c	bcbbm	bmox	bmox	
	Bristol ...	1019.1	+8	NW	3	bc	46	75	7	1	2	1	2.3	1022.6	+24	NNW	2	bc	41	75	6	4	1	1	1	2.3	2.3	4000	1	*	crmcz	bcbbm	bmox	bmox	
	Portland Bill	1018.6	+4	N	3	c	45	92	8	1	4	1	4.6	1022.9	+28	N	3	b	46	85	8	1	1	1	1	0	0	1	1	3	c	bcbbm	bmox	bmox	
	Plymouth	1019.6	+10	N'E	3	bc	49	65	8	1	7	1	1	1023.2	+30	NNW	4	z	46	75	6	4	1	1	1	7.8	7.8	4000	1	1	cbc	bcbbm	bmox	bmox	
	The Lizard	1020.5	+10	N	3	bc	50	75	8	8	6	1	4.6	1024.3	+20	N	3	bc	48	85	8	8	1	1	1	4.6	4.6	2500	0	1	bc	bcbbm	bmox	bmox	
	Scilly (St. Mary's)	1021.1	+14	N'E	6	bc	48	65	8	8	6	1	2.3	1024.9	+28	N'E	5	bc	47	65	8	8	6	1	1	4.6	4.6	2500	1	4	cbc	bcbbm	bmox	bmox	
	Guernsey	1017.3	+12	N'E	3	c	47	75	7	2	2	1	4.6	1022.2	+28	N	2	bc	47	65	7	2	1	1	1	4.6	4.6	1500	1	3	rrc	bcbbm	bmox	bmox	
6	Pembroke	1021.1	+4	N'E	4	c	49	75	8	8	1	1	7.8	1024.8	+24	N'E	4	bc	45	75	8	8	1	1	1	4.6	4.6	2500	1	2	bcc	bcbbm	bmox	bmox	
7	Holyhead	1020.0	+10	NW	6	c	48	65	8	3	1	1	7.8	1022.4	+22	NNW	5	bc	47	65	8	2	1	1	1	4.6	4.6	2500	1	3	cbc	bcbbm	bmox	bmox	
	Chester (Sealand)	1018.6	+12	NNW	5	PR	46	75	7	8	1	1	9	1021.5	+20	NNW	4	bc	42	75	7	8	1	1	1	2.3	2.3	2500	1	*	bbccphr	bcbbm	bmox	bmox	
8	Manchester	1017.9	+10	NW	3	bc	46	75	7	2	1	1	2.3	1021.0	+22	NW	2	z	38	85	5	8	1	1	1	7.8	7.8	4000	1	*	FFmmz	bcbbm	bmox	bmox	
10	Spurn Head	1014.7	+6	NW	4	bc	43	75	6	1	8	0	2.3	1017.8	+18	NW	4	b	48	75	6	1	1	1	1	0	0	1	1	3	cmbe	bcbbm	bmox	bmox	
	Catterick	1016.2	+2	NW	3	b	45	65	8	2	2	1	0	1019.3	+20	NW	2	b	39	75	8	1	1	1	1	0	0	1	1	4	b	bcbbm	bmox	bmox	
	Tynemouth	1015.1	+10	W	3	bc	44	65	6	2	1	1	2.3	1017.9	+20	NNW	3	bc	39	75	6	5	1	1	1	2.3	2.3	2500	1	1	bc	bcbbm	bmox	bmox	
11	St. Abbs Head	1014.3	+14	NNW	4	b	43	65	7	1	1	1	2500	1016.4	+10	NW	4	b	48	55	8	4	4	1	1	7.8	7.8	2500	0	3	b	bcbbm	bmox	bmox	
	Leuchars	1014.8	+6	W	2	b	43	75	9	2	1	1	570	1017.9	+18	W	2	b	37	75	8	1	1	1	1	0	0	1	1	*	crmcz	bcbbm	bmox	bmox	
12	Reafrew (Abbots L.)	1017.4	+6	W	3	bc	45	65	9	8	1	1	2.3	1019.3	+14	WSW	3	c	39	75	7	5	1	1	1	7.8	7.8	1500	1	*	crmcz	bcbbm	bmox	bmox	
	Eskdalemuir	1016.3	+10	NNW	4	bc	40	65	8	5	1	1	2.3	1019.3	+12	SE'S	8	b	35	75	8	5	1	1	1	7.8	7.8	2500	1	*	crmcz	bcbbm	bmox	bmox	
	Point of Ayre	1019.0	+16	N	5	b	47	65	8	4	1	1	1	1021.3	+16	NW	4	bc	45	75	8	8	1	1	1	4.6	4.6	1500	1	3	bcbbm	bcbbm	bmox	bmox	
13A	Tiree ...	1018.7	+6	NW	4	pr	45	65	8	8	1	1	4.6	1019.6	+2	NNW	4	bc	48	75	8	8	6	1	1	4.6	4.6	2500	0	4	bcpr	bcbbm	bmox	bmox	
13B	Stornoway	1016.3	+10	NW	3	bc	43	55	8	8	1	1	4.6	1018.0	+8	NNW	3	c	37	85	8	4	1	1	1	7.8	7.8	2500	1	2	bephry	bcbbm	bmox	bmox	
15	Dalwhinnie	1016.6	+2	W	3	bc	36	85	8	4	6	1	2.3	1018.0	+8	NW	2	c	43	75	8	4	6	1	1	4.6	4.6	5200	1	*	cis	bcbbm	bmox	bmox	
	Aberdeen	1012.7	+8	NNW	6	b	41	75	8	8	1	1	1	1015.3	+14	NNW	3	b	38	75	7	8	3	1	1	1	1	4000	1	2	bcpr	bcbbm	bmox	bmox	
	Wick ...	1011.6	+20	NW	6	rs	39	85	7	5	7	1	7.8	1013.6	+12	NNW	4	bc	36	52	8	3	7	3	1	2.3	2.3	2500	1	2	PR	bcbbm	bmox	bmox	
16	Lerwick...	1005.2	+10	NNW	4	c/pr	39	92	7	8	7	1	7.8	1008.3	+20	N	6	c/r	38	92	7	8	2	1	1	7.8	7.8	1000	1	*	crpr	bcbbm	bmox	bmox	
17	Blacksod Point...	1025.1	+8	NW	3	bc	48	65	8	2	1	1	2.3	1025.1	+6	NW	3	bc	46	75	8	2	3	1	1	2.3	2.3	2500	0	2	bc	bcbbm	bmox	bmox	
18	Malin Head	1020.3	+2	NW	5	c	46	65	8	2	1	1	7.8	1021.7	+10	N	4	c	46	65	8	2	8	1	1	4.6	4.6	4000	0	4	c	bcbbm	bmox	bmox	

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 25th November 1939.



DISTRICTS.

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

- 1 S.E. England
- 2 E. England ...
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England
- 6 South Wales ...
- 7 North Wales ...
- 8 N.W. England
- 9 N. Midlands ...
- 10 N.E. England
- 11 S.E. Scotland
- 12 S.W. Scotland & Isle of Man.
- 13 { A.W.Scotld.
B.N.W.Scot-
land.
- 14 Mid Scotland
- 15 N. E. Scotland
- 16 Orkneys and Shetlands
- 17 N. W. Ireland
- 18 N. E. Ireland
- 19 S. E. Ireland
- 20 S. W. Ireland

Fresh or strong southwest wind, a gale at times at exposed places; cloudy, rain at times; rather mild.

Fresh or strong southerly wind, probably a gale at exposed places, veering later; rain at first, showery later; brighter intervals locally; rather mild.

As 1 - 10.

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 off Southwest Iceland is moving eastwards. Rain will spread quickly over the British Isles with strong southwest winds, reaching gale force locally.

FURTHER OUTLOOK.

Stormy and changeable.

Times of issue of Gale Warnings.

† South cone hoisted at 0705 on 25th in districts 17, 19, 20, and at 0800 25th in districts 6, 7, 8, 11, 12, 13A, 13B, 15, 16, 18.

Forecasts issued at 1030 G.M.T.

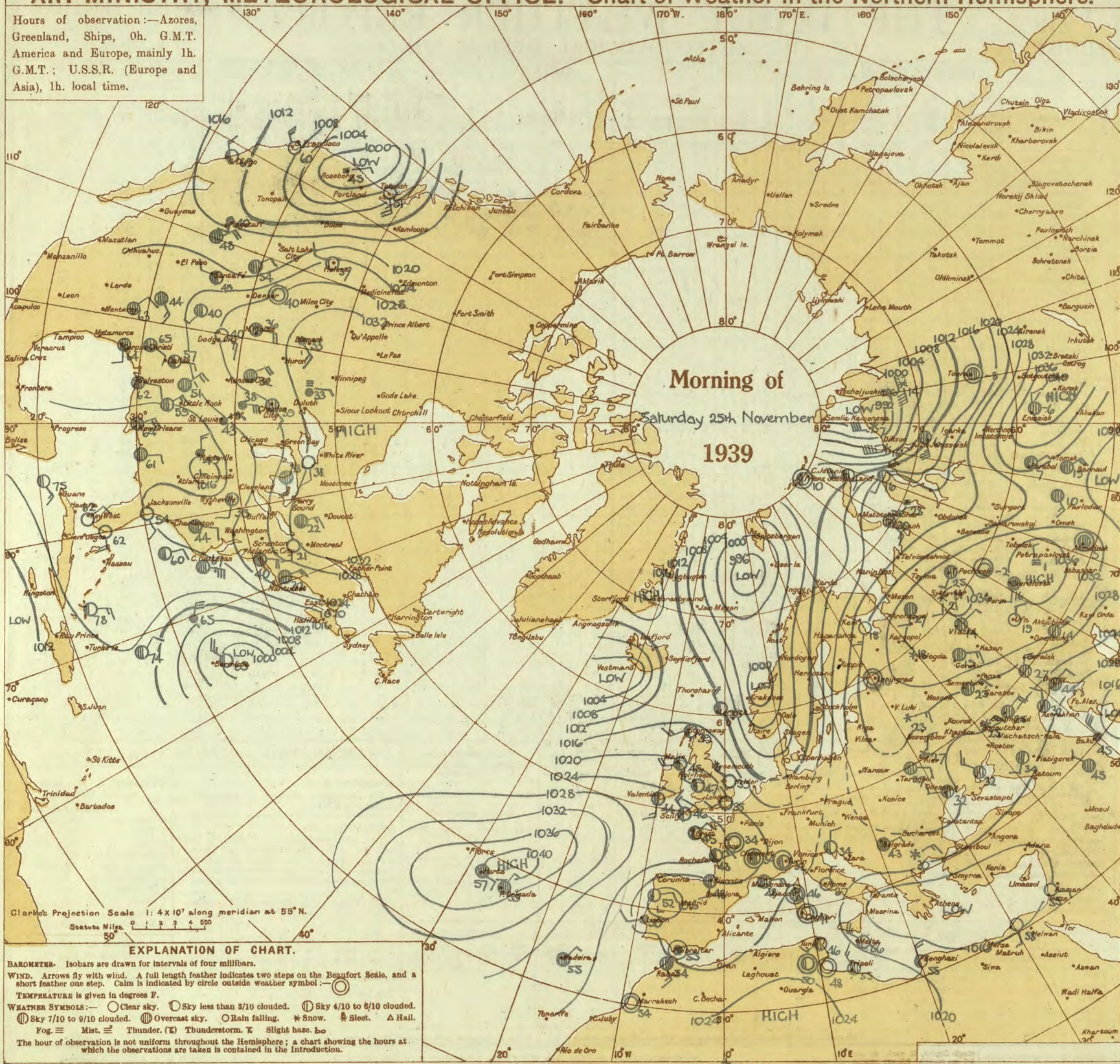
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House & E.L.

G. 472/57.77, No. 8109. D. 4426. Gp. 540.24300 11/29

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 25th November 1939.

No. 28492

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. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUR- SHINE 24th Hrs. (36)	
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10-13)			Height of Base. (feet) (14)			Direc. (17)	Force. (18)					Form. (23)	Amount. (24-27)			Height of Base. (feet) (28)			Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or 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 0-10 (23)										Med. (24)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1023.4	0	WNW	2	20	35	97	6	-	-	0	0	-	1	*	45	34	23	-	Tr	0.3			
	Croydon	217	1023.4	+1.4	WNW	2	20	35	92	5	-	-	0	0	1023.3	-2	WNW	2	20	34	92	7	-	-	0	0	-	1	*	44	34	27	0.6	Tr	0.0		
	S. Farnborough	226	1024.7	+8	WNW	2	20	35	92	6	-	-	0	0	1023.5	-6	-	0	20	33	92	6	-	-	0	0	-	1	*	45	30	23	0.1	Tr	0.7		
	Boscombe Down	417	1024.7	+8	WNW	2	20	35	92	6	-	-	0	0	1024.1	-2	SW	1	20	33	92	6	-	-	0	0	-	1	*	45	33	30	-	Tr	2.6		
	Calshot (Stmnt.)	8	1024.4	+1.2	-	0	0	35	97	7	-	-	0	0	1024.4	-2	WNW	2	20	35	97	6	2	3	-	0	Tr	1	1	46	33	29	0.3	-	1.7		
	Lympne	346	1022.4	+1.0	NNW	3	m	34	92	4	-	-	0	0	1023.4	+4	WNW	2	20	33	92	6	-	-	0	0	-	1	1	43	32	28	1	-	0.0		
	Manston	154	1021.4	+1.0	NW	4	20	40	75	5	-	-	0	0	1023.1	+8	W	3	20	34	97	4	5	-	2.3	2.3	800	1	*	45	34	30	2	Tr	0.0		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1022.8	+2	WSW	2	20	35	92	4	-	-	0	0	-	1	*	44	34	28	1	-	0.0			
	Felixstowe	15	1020.5	+8	NNW	3	20	37	92	5	-	-	0	0	1021.4	+6	WNW	2	20	36	92	5	-	-	0	0	-	1	3	44	35	31	0.2	-	0.0		
	Gorleston	5	1019.4	+4	W'S	2	20	34	92	6	-	-	0	0	1020.7	+2	WSW	2	20	33	92	5	5	-	4.6	1.500	3	2	44	32	31	-	-	*			
	Mildenhall	19	1021.1	+6	SW	3	20	32	97	5	-	-	0	0	1021.4	-4	SWW	3	20	32	97	6	6	-	Tr	1	4000	1	*	43	30	25	-	Tr	0.9		
	Cranwell	240	1021.0	+6	W	2	20	33	92	3	-	-	0	0	1019.6	-1.4	W'S	3	20	34	92	6	5	-	Tr	2.3	2500	0	*	45	32	27	-	-	3.5		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1022.0	-6	SW	3	20	35	92	6	-	-	0	0	-	1	*	45	34	29	-	-	3.7			
	Upper Heyford	408	1023.3	+6	WNW	2	20	37	92	8	-	-	0	0	1023.4	-6	W'S	1	20	32	92	8	-	-	0	0	-	1	*	45	31	30	-	-	*		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1022.6	-8	SW	2	20	35	92	7	-	-	0	0	-	1	*	47	34	26	-	-	4.7			
5	Hartland Point	299	1025.4	+4	N	3	20	46	65	8	2	-	4.6	4.6	1023.3	-1.4	WNW	3	20	47	75	8	2	-	4.6	4.6	2500	1	2	48	46	40	-	-	4.0		
	Bristol	209	1024.9	+8	NN	2	20	36	92	6	-	3	0	0	1024.2	-6	SW	1	20	38	92	6	-	7	8	0	2.3	-	1	*	47	35	25	-	-	4.1	
	Portland Bill	32	1025.0	+16	N	2	20	45	85	8	-	-	0	0	1025.7	+10	NW	2	20	47	85	8	5	4	-	4.6	7.8	4000	1	2	51	43	-	0.5	-	*	
	Plymouth	82	1026.7	+12	-	0	20	39	92	6	5	-	Tr	Tr	1025.3	-6	ENE	2	20	36	92	8	5	-	2.3	2.3	5700	1	1	50	35	27	-	-	6.7		
	The Lizard	240	1027.5	+10	N	2	20	42	85	8	5	-	2.3	2.3	1026.2	-4	WNW	2	20	45	75	8	8	-	2.3	2.3	2500	0	1	50	39	-	-	-	4.2		
	Scilly (St. Mary's)	163	1027.4	+6	WNW	3	20	46	75	8	2	-	2.3	2.3	1025.5	-10	WNW	3	20	46	75	8	8	-	4.6	4.6	2500	1	2	49	44	-	-	-	6.2		
	Guernsey	175	1025.2	+8	NW	1	20	45	65	8	2	-	2.3	2.3	1025.6	+4	WNW	1	20	39	85	8	1	7	-	1	2.3	2500	1	3	50	39	29	1	-	1.4	
6	Pembroke	142	1025.0	0	WNW	3	20	46	75	8	8	-	4.6	4.6	1022.4	-1.4	W'S	5	20	48	75	8	8	-	7.8	7.8	2500	1	2	40	44	-	-	-	5.7		
	Holyhead	26	1022.7	-2	WNW	4	20	47	75	8	2	-	7.8	7.8	1020.4	-20	SW	4	20	46	75	8	1	7	-	2.3	4.6	2500	1	3	48	44	41	-	-	5.6	
	Chester (Sealand)	16	1022.5	-2	W'S	3	20	44	75	7	8	6	4.6	7.8	1020.2	-18	SW	1	20	42	85	6	5	3	-	1	9.1	4000	1	*	49	40	34	2	0.6	5.1	
8	Manchester	70	1021.8	0	SW	1	20	35	97	5	5	-	1	1	1020.2	-1.4	SW	3	20	38	97	6	5	4	-	2.3	2.3	1500	1	*	47	31	21	47	0.2	6.0	
10	Spurn Head	29	1010.4	+4	WNW	5	20	39	75	6	-	-	0	0	1018.9	-2	W	3	20	39	85	6	-	-	0	2.3	-	0	2	44	38	-	-	-	3.8		
	Catterick	175	1019.9	+2	WNW	3	20	38	75	8	-	3	-	2.3	-	1017.6	-18	SW	2	20	37	85	5	7	-	4.6	4.6	2500	0	*	45	35	24	-	-	6.7	
	Tynemouth	108	1018.6	+6	W	3	20	36	85	7	2	-	2.3	2.3	1017.6	-18	SW	2	20	37	85	5	7	-	4.6	4.6	2500	0	*	45	35	24	-	-	6.7		
11	St. Abbs Head	280	1017.7	+10	WNW	4	20	40	65	8	5	-	1	1	1013.1	-34	-	0	ir	36	97	7	5	-	10	10	1500	1	*	44	32	25	-	-	6.2		
	Leuchars	36	1018.2	0	WNW	2	20	34	85	9	-	3	-	0	0	1013.5	-28	WNW	3	20	43	92	6	5	2	-	4.6	10	2500	1	*	46	33	29	0.5	2	4.5
12	Renfrew (Abbots I.)	19	1019.6	-2	-	0	20	34	92	7	5	7	-	4.6	9.1	1015.5	-20	WNW	3	20	38	92	6	5	-	10	10	1500	1	*	41	30	26	-	0.4	6.8	
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1016.9	-20	WNW	3	20	43	85	8	5	-	9.1	9.1	2500	1	2	48	41	-	0.3	1	5.5		
	Point of Ayre	30	1021.2	-2	WNW	4	20	45	92	8	2	-	1	1	1016.9	-20	WNW	3	20	43	85	8	5	-	9.1	9.1	2500	1	2	48	41	-	0.3	1	5.5		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1007.9	-40	SW	4	20	44	92	7	-	2	-	10	10	1500	1	3	46	41	37	1	4	2.8	
13B	Stornoway	80	1017.3	-20	WNW	3	20	39	85	7	5	7	-	2.3	7.8	1000.1	-28	SW	3	20	41	85	8	-	-	10	10	1500	1	2	43	35	-	0.3	3	3.8	
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	*	1011.7	+8	S	3	20	34	92	5	6	-	-	10	10										

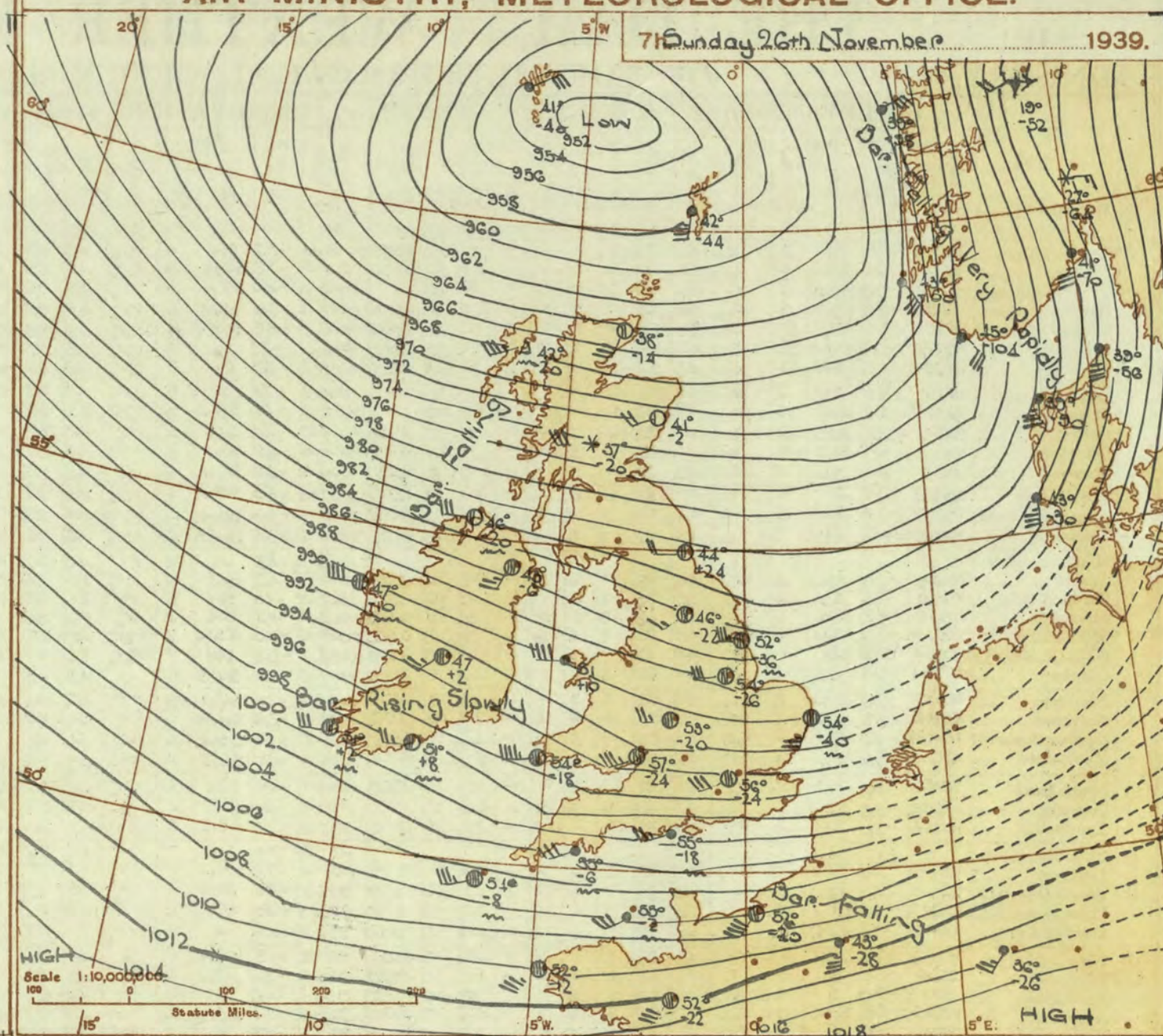
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 25th November														OBSERVATIONS at 18h. G.M.T. 25th November														PAST 24 HOURS.									
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	° Humid.	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	° Humid.	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Dir.	Force. 0-12 (4)					Form.	Amount.		Height of Base. (feet) (14)	Dir.			Force. 0-12 (18)	Form.					Amount.		Height of Base (feet) (28)	7h.—18h. 25th (37)	18h.—18h. 25th (38)			18h.—25th 1h.—26th (39)	1h.—7h. 26th (40)						
											Low. 0-10 (9)	Med. (10)											High (11)	Low 0-10 (12)								Total 0-10 (13)	Low 0-10 (23)	Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)
1	London (Kew)...	1019.9	-34	SW	3	2	43	83	6	5	-	-	10	10	1500	1013.0	-36	SW	4	12	45	85	5	6	2	-	7.8	10	1500	1	*	bmo	cm	dir	cm	cm	cm
	Croydon ...	1020.9	-22	SW	3	2	43	83	6	5	-	-	2.3	10	3700	1014.3	-38	SW	4	12	45	85	6	6	2	-	4.6	10	1500	1	*	bmo	cm	dir	cm	cm	cm
	S. Farnborough	1020.2	-30	SW	4	2	46	63	7	-	7	7	0	10	-	1013.0	-40	SSW	5	12	45	85	7	5	2	-	4.6	10	2500	1	*	bmo	cm	dir	cm	cm	cm
	Boscombe Down	1019.7	-34	SW	4	2	45	85	7	5	1	-	2.3	9	4000	1012.4	-40	SSW	5	12	45	92	6	6	-	-	10	10	800	1	*	cm	dir	cm	cm	cm	
	Calshot (Soton.)	1020.5	-32	WSW	4	2	48	75	8	5	2	7	9	10	1500	1014.3	-38	SW	6	12	49	85	6	6	2	-	7.8	10	800	1	3	bmo	cm	dir	cm	cm	
	Lymington	1021.4	-22	SW	2	2	42	83	8	2	7	7	Tr	10	4000	1016.0	-22	SW	5	12	45	92	7	5	2	-	7.8	10	1500	1	3	bmo	cm	dir	cm	cm	
	Manston	1020.9	-22	SW	3	2	43	83	7	2	7	6	1	3	2500	1015.2	-38	SW	5	12	45	85	6	6	2	-	9	10	1500	1	*	bmo	cm	dir	cm	cm	
2	Shoeburyness ...	1020.7	-20	SW	2	2	43	75	4	-	1	-	0	10	-	1014.2	-70	S	5	12	45	92	6	6	2	-	Tr	10	2500	1	*	bmo	cm	dir	cm	cm	
	Felixstowe ...	1019.2	-22	WSW	4	2	42	92	4	-	1	-	0	10	-	1013.4	-38	SW	5	12	45	85	6	-	2	-	10	10	4000	1	3	bmo	cm	dir	cm	cm	
	Gorleston ...	1018.2	-20	SW	2	2	40	83	6	5	-	-	10	10	2500	1012.3	-24	SW	5	12	42	85	6	6	-	-	10	10	1500	1	3	bmo	cm	dir	cm	cm	
	Mildenhall ...	1017.5	-34	SW	4	2	41	83	6	5	-	-	10	10	4000	1010.4	-42	SW	5	12	43	92	5	-	2	-	10	10	1500	1	*	bmo	cm	dir	cm	cm	
	Cranwell ...	1015.2	-42	SW	4	2	42	83	7	5	2	-	4.6	10	2500	1006.1	-58	SSW	6	12	43	92	6	5	2	-	2.3	10	800	1	*	cm	cm	dir	cm	cm	
3	Birmingham	1016.0	-34	SSW	3	2	41	83	6	6	2	-	2.3	10	1500	1005.9	-50	SSW	4	12	43	92	7	6	-	-	10	10	800	1	*	bmo	cm	dir	cm	cm	
	Upper Heyford	1016.7	-36	SW	4	2	42	83	7	5	2	-	4.6	10	2500	1010.7	-30	SSW	4	12	44	85	7	5	2	-	7.3	10	1500	1	*	bmo	cm	dir	cm	cm	
4	Ross-on-Wye ...	1016.3	-40	SSW	3	2	43	75	7	6	2	-	2.3	10	1500	1007.6	-34	SW	6	12	46	92	6	6	-	-	10	10	1500	1	*	bmo	cm	dir	cm	cm	
5	Hartland Point	1018.9	-30	SSW	4	2	44	75	7	5	2	-	7.8	10	2500	1007.1	-28	W	8	12	48	97	5	6	2	-	9	10	800	1	5	bmo	cm	dir	cm	cm	
	Bristol ...	1020.0	-28	SW	4	2	43	75	8	5	-	-	10	10	2500	1013.0	-42	SW	6	12	46	85	6	6	2	-	10	10	1500	1	*	bmo	cm	dir	cm	cm	
	Portland Bill ...	1020.0	-28	SW	4	2	43	75	8	5	-	-	10	10	2500	1013.0	-42	SW	6	12	46	85	6	6	2	-	10	10	1500	1	5	bmo	cm	dir	cm	cm	
	Plymouth ...	1019.9	-42	WSW	6	2	45	65	8	8	2	-	9	10	1500	1012.5	-42	SW	8	12	52	85	6	9	-	-	10	10	800	1	4	bmo	cm	dir	cm	cm	
	The Lizard ...	1021.9	-30	WSW	6	2	49	83	8	8	6	-	9	10	2500	1013.6	-40	WSW	7	12	49	97	7	5	-	-	10	10	1500	1	4	bmo	cm	dir	cm	cm	
	Scilly (St. Mary's)	1020.4	-42	SW	6	2	49	75	7	5	-	-	7.8	10	1500	1012.7	-38	SW	7	12	50	97	5	5	2	-	7.8	10	1500	1	4	bmo	cm	dir	cm	cm	
	Guernsey ...	1023.1	-24	SW	3	2	45	65	8	2	1	-	2.3	10	2500	1017.8	-20	SW	5	12	49	65	7	2	1	-	7.8	10	2500	1	3	bmo	cm	dir	cm	cm	
6	Pembroke ...	1013.7	-38	SSW	3	2	43	92	6	8	-	-	10	10	1500	1004.9	-30	W	9	12	52	92	5	8	-	-	10	10	1500	1	4	bmo	cm	dir	cm	cm	
7	Holyhead ...	1008.0	-68	SSW	7	2	47	57	6	6	2	-	7.8	10	800	999.6	-38	SW	5	12	51	97	6	6	2	-	7.8	10	800	1	4	bmo	cm	dir	cm	cm	
	Chester (Sealand)	1012.4	-50	SW	3	2	44	85	7	5	2	-	4.6	10	2500	1001.2	-58	SSW	4	12	51	85	7	5	2	-	2.3	10	2500	1	*	bmo	cm	dir	cm	cm	
8	Manchester ...	1012.9	-50	SW	4	2	42	92	6	5	2	-	5	10	2500	1001.4	-60	SSW	4	12	45	97	5	6	2	-	7.8	10	800	1	*	bmo	cm	dir	cm	cm	
10	Spurn Head ...	1014.3	-28	SW	4	2	41	85	5	5	-	-	10	10	1500	1004.1	-54	SW	6	12	42	97	6	5	-	-	10	10	800	1	4	bmo	cm	dir	cm	cm	
	Catterick ...	1009.7	-58	SSW	4	2	42	83	6	6	2	-	4.6	10	1500	999.3	-60	SE	4	12	42	92	6	6	-	-	9	10	1500	1	*	bmo	cm	dir	cm	cm	
	Tynemouth ...	1008.6	-38	SW	3	2	44	92	5	-	2	-	10	10	1500	997.6	-74	SSW	5	12	42	85	6	6	-	-	10	10	1500	1	2	bmo	cm	dir	cm	cm	
11	St. Abbs Head	1003.2	-58	SSW	3	2	42	92	6	6	2	-	4.6	10	1500	991.3	-40	SW	7	12	43	92	8	8	2	-	7.8	10	2500	1	4	bmo	cm	dir	cm	cm	
	Leuchars ...	1003.2	-58	SSW	3	2	42	92	6	6	2	-	4.6	10	1500	991.4	-40	SSW	1	12	44	97	6	5	2	-	7.8	10	1500	1	*	bmo	cm	dir	cm	cm	
12	Reutrow (Abbots L.)	1001.7	-36	SSW	5	2	43	85	6	6	2	-	9	10	800	992.2	-36	SSW	4	12	49	97	6	5	2	-	9	10	800	1	*	bmo	cm	dir	cm	cm	
	Eskdalemuir ...	1004.8	-60	SSW	4	2	40	92	6	-	2	-	10	10	800	993.8	-60	SW	5	12	46	97	6	6	2	-	10	10	220	2	*	bmo	cm	dir	cm	cm	
	Point of Ayre ...	1004.8	-74	SSW	6	2	45	92	7	6	2	-	4.6	10	2500	995.7	-44	W	6	12	51	97	7	6	2	-	2.3	10	1500	1	4	bmo	cm	dir	cm	cm	
13A	Tiree ...	991.6	-72	SSW	6	2	45	97	5	-	2	-	10	10	450	989.2	-12	WSW	4	12	50	97	7	5	-	-	9	9	1500	1	4	bmo	cm	dir	cm	cm	
13B	Stornoway ...	983.6	-88	S	8	2	44	85	6	5	2	-	9	10	1500	985.6	-34	WSW	5	12	49	92	7	8	6	-	4	7.8	1500	1	3	bmo	cm	dir	cm	cm	
15	Dalwhinnie ...	999.3	-80	S	4	2	36	83	5	6	-	-	10	10	1500	990.1	-46	S	2	12	40	92	6	4	2	-	4	10	1500	1	*	bmo	cm	dir	cm	cm	
	Aberdeen ...	1002.5	-58	SSW	3	2	39	97	6	6	2	-	4.6	10	800	989.9	-46	SSW	4	12	43	92	6	6	2	-	7.8	10	800	1	1	bmo	cm	dir	cm	cm	
	Wick ...	999.8	-60	S	4	2	41	97	7	5	2	-	7.8	10	1500	987.4	-48	S	5	12	42	97	6	5	2	-	9	10	800	1	2	bmo	cm	dir	cm	cm	
16	Lerwick...	1003.9	-44	SE</																																	

AIR MINISTRY, METEOROLOGICAL OFFICE.

71 Sunday 26th November 1939.



DISTRICTS.

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

- 1 S.E. England ✓
- 2 E. England ✓
- 3 E. Midlands ...
- 4 W. Midlands ...
- 5 S.W. England ✓
- 6 South Wales ✓
- 7 North Wales ✓
- 8 N.W. England ✓
- 9 N. Midlands ...
- 10 N.E. England ✓
- 11 S.E. Scotland ✓
- 12 S.W. Scotland ✓
& Isle of Man.
- 13 { A.W. Scotld.
B.N.W. Scot.
land. ✓
- 14 Mid Scotland
- 15 N. E. Scotland ✓
- 16 Orkneys and
Shetlands ✓
- 17 N. W. Ireland ✓
- 18 N. E. Ireland ✓
- 19 S. E. Ireland ✓
- 20 S. W. Ireland ✓

Strong westerly wind, a gale at exposed places with some heavy squalls; showers with local hail, but bright intervals; colder.

Strong squally westerly winds; a gale at first at exposed places; showers of rain, hail, or sleet, chiefly in the west; snow on hills; brighter intervals; rather cold.

As 1 - 10.

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 near the Faeroes is still growing deeper and moving slowly eastward. It will soon become stationary or drift slowly northeast. Weather will be squally and showery with bright intervals.

FURTHER OUTLOOK.

Unsettled, but bright intervals. Wind decreasing slowly.

Times of Issue of Gale Warnings.

South cone hoisted at 0805 on 25th in districts 6, 7, 8, 11, 12, 13A, 13B, 15, 16, 17 and 18, and at 1105 on 25th in districts 1, 2, 5, 10, 19 and 20

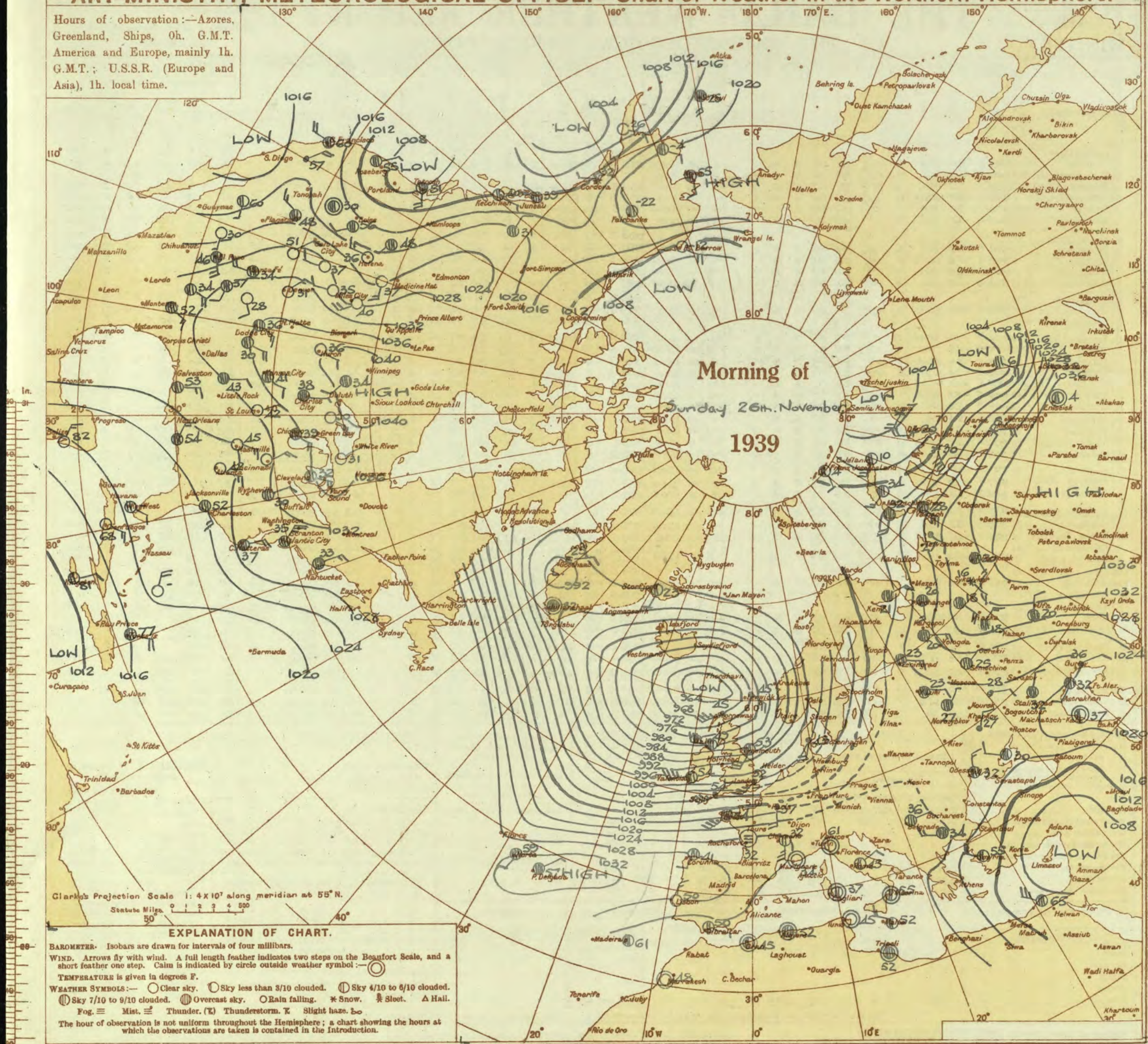
Forecasts issued at
H.M.S.O. Press, Cornwall House, 100 G.M.T.

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

G. 472/5177, No. 8109, D. 4525, Gp. 549, 24300 1/25

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 26th November 1939.

No 28493

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.		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 25th. (36)	
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)	Force. (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)						
																																Low. (12)	Total (13)	Low (26)	Total (27)		
1	London (Kew)	18	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	8	5	2	10	1500	1	4	45	45	43	1	10	0.0		
	Croydon	217	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
	S. Farnborough	226	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
	Boscombe Down	417	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
	Calshot (Stmnt.)	81	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
	Lymington	346	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
	Manston	154	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	92	6	6	2	10	1500	1	4	45	44	42	0.6	11	0.1		
2	Shoeburyness	11	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	4	6	2	10	1500	1	4	45	45	38	0.5	8	0.0		
	Felixstowe	15	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	7	6	2	10	1500	1	4	45	44	42	0.5	8	0.0		
	Gorleston	5	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	44	42	0.5	8	0.0		
	Mildenhall	19	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	56	85	8	6	2	10	1500	1	4	43	43	41	1	5	0.0		
	Cranwell	240	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	85	6	8	7	10	1500	1	4	44	43	41	Tr	1	0.0		
3	Birmingham	535	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	53	92	8	6	7	10	1500	1	4	43	43	42	0.6	6	0.0		
	Upper Heyford	408	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	53	85	7	6	2	10	1500	1	4	44	43	41	0.6	5	0.0		
4	Ross-on-Wye	223	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	57	75	8	6	1	10	1500	1	4	46	45	43	1	3	0.0		
5	Hartland Point	299	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	97	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Bristol	209	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	7	6	2	10	1500	1	4	46	46	44	1	16	0.0		
	Portland Bill	321	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	7	6	2	10	1500	1	4	46	46	44	1	16	0.0		
	Plymouth	82	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	6	6	2	10	1500	1	4	46	46	44	1	16	0.0		
	The Lizard	240	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	6	6	2	10	1500	1	4	46	46	44	1	16	0.0		
	Scilly (St. Mary's)	163	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	6	6	2	10	1500	1	4	46	46	44	1	16	0.0		
	Guernsey	175	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	55	92	6	6	2	10	1500	1	4	46	46	44	1	16	0.0		
6	Pembroke	142	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
7	Holyhead	26	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Chester (Sealand)	16	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
8	Manchester	70	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
10	Spurn Head	29	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Catterick	175	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Tynemouth	108	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
11	St. Abbs Head	280	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Leuchars	36	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
12	Renfrew (Abbots I.)	19	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Eskdalemuir	794	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
	Point of Ayre	30	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45	2	5	0.0		
13A	Tiree	22	30.0	0.0	SW	5	52	97	6	6	2	10	1500	30.0	0.0	SW	5	52	97	6	54	92	6	6	2	10	1500	1	4	45	45	45					

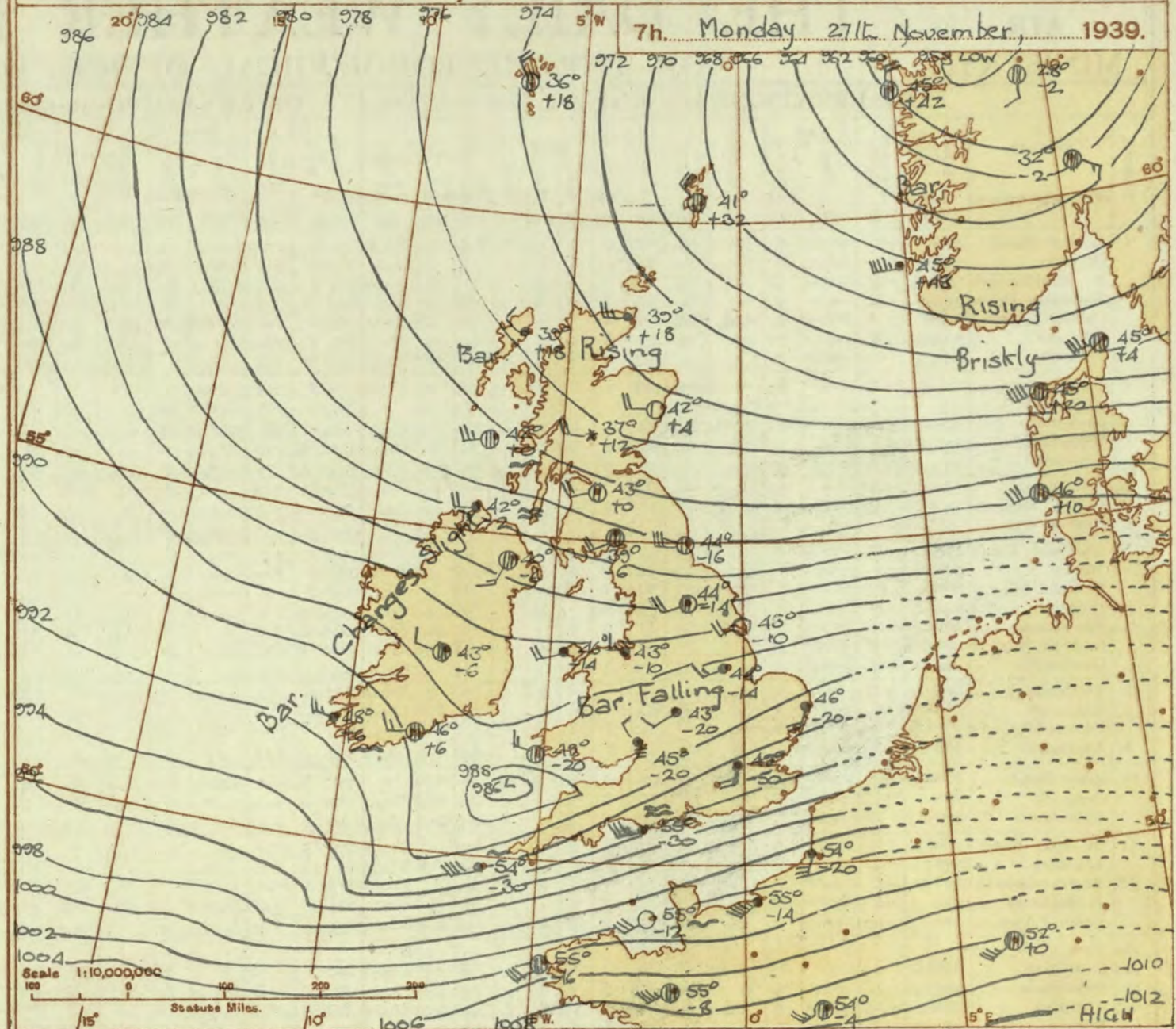
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 27th November 1939.
No. 28,424.

OBSERVATIONS at 13h. G.M.T. 26th November														OBSERVATIONS at 18h. G.M.T. 26th November														PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.					State of ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force 0-12 (18)	Form. (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base (feet) (28)	7h.—18h. 26th (37)	13h.—18h. 26th (38)	18h.— 27th (39)	1h.—7h. 27th (40)	
1	London (Kew)...	994.1	-0.6	WSW	5	pc	55	85	6	5	2	-	7-8	10	1500	996.3	+1.00	WSW	4	bc	50	75	7	5	3	1	2-3	4-6	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Croydon ...	995.6	-0.4	WSW	6	pc	55	85	7	2	-	-	7-8	10	800	996.5	+1.4	WSW	5	bc	50	85	6	5	7	-	7-8	9	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	S. Farnborough	995.5	-0.6	WSW	6	id	54	85	7	2	-	-	9	10	1500	996.8	+2.2	WSW	5	bc	40	85	7	5	7	-	9	9	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Boscombe Down	996.3	-1.0	WS	6	id	55	85	6	2	-	-	7-8	10	800	997.2	+1.4	WS	5	bc	47	85	6	6	2	-	9	9	800	1	3	cirrcpm	cirrcpm	bc bc	bc bc	
	Calshot (Soton.)	997.7	-0.4	WSW	5	id	56	85	6	2	-	-	10	10	800	997.9	+1.6	WSW	4	bc	51	92	6	6	2	-	9	10	800	1	3	cirrcpm	cirrcpm	bc bc	bc bc	
	Lymington	996.7	-0.2	WSW	5	dr	53	87	6	2	-	-	9	10	400	997.8	+2.4	WS	4	bc	48	85	7	5	7	-	4-6	9	1000	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	Manston	994.2	-0.4	WSW	6	id	56	85	6	2	-	-	10	10	800	996.5	+1.6	WS	4	bc	49	85	7	5	7	-	9	9	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
2	Shoeburyness ...	993.5	+0.2	SW	6	c	55	85	6	2	-	-	10	10	2500	996.1	+1.4	WSW	4	c	51	75	6	5	-	-	9	9	1000	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Felixstowe ...	994.1	+0.2	SW	6	c	55	85	6	2	-	-	10	10	2500	996.1	+1.4	WSW	4	c	48	65	7	-	7	-	0	9	-	1	2	cirrcpm	cirrcpm	bc bc	bc bc	
	Gorleston ...	990.8	+1.4	W	4	c/r	50	75	6	2	-	-	9	9	2500	992.1	+1.6	SWW	4	c	47	75	6	5	5	-	4-6	9	2500	1	3	cirrcpm	cirrcpm	bc bc	bc bc	
	Mildenhall ...	991.6	+1.0	W	7	c/r	50	65	8	5	-	-	2	3	2500	992.8	+1.0	SWW	5	c	45	75	8	-	4	2	0	7	-	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Cranwell ...	993.8	+0.6	WN	6	bc	49	65	7	5	-	-	5	4-6	4-6	4000	990.5	+1.0	WS	4	bc	44	85	7	5	3	2	1	4	2500	1	*	cirrcpm	cirrcpm	bc bc	bc bc
3	Birmingham ...	993.4	+0.4	W	4	c	53	55	7	5	7	-	4-6	9	1500	994.7	+1.2	W	4	pr	46	65	8	8	7	-	7-8	9	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Upper Heyford	994.2	+0.6	W	4	c	49	85	7	6	2	-	7-8	10	800	995.1	+1.8	WN	4	bc	47	65	7	5	-	1	7	2	2500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
4	Ross-on-Wye ...	995.8	+0.4	W	4	c	49	85	7	6	2	-	7-8	10	800	995.8	+1.4	WSW	6	bc	49	65	8	7	-	2	1	4	2500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
5	Hartland Point ...	995.6	+1.8	WNW	8	d	50	97	6	-	2	-	10	10	1500	995.0	+1.4	WNW	6	c	50	75	8	8	-	1	7-8	7-8	1500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	Bristol ...	996.6	+0.4	WSW	7	dd	50	92	7	6	2	-	4-6	10	800	997.6	+1.0	WNW	7	bc	49	75	7	5	7	-	1	2-3	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Portland Bill ...	999.2	0	WSW	7	rr	54	92	7	5	-	-	10	10	1500	999.9	-1.6	WNW	6	rr	52	92	7	5	-	-	10	10	1500	1	6	cirrcpm	cirrcpm	bc bc	bc bc	
	Plymouth ...	1000.9	-0.4	W	6	dd	54	92	5	-	2	-	10	10	800	1001.9	+1.6	WN	5	id	50	92	5	6	2	-	4-6	10	800	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	The Lizard ...	1002.3	-1.2	WSW	7	dd	53	97	5	5	-	-	10	10	800	1003.2	+1.0	W	5	c	54	97	5	6	-	-	10	10	1500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	Scilly (St. Mary's)	1002.0	-0.6	WS	6	dd	52	97	5	5	-	-	10	10	1500	1002.8	+1.8	WN	5	dd	51	97	5	6	-	-	10	10	1500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	Guernsey ...	1003.9	-1.6	WSW	5	dd	55	97	6	5	-	-	10	10	800	1003.4	+1.8	W	5	dd	55	97	5	6	-	-	10	10	800	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
6	Pembroke ...	996.0	+0.6	WN	8	cq	52	75	7	9	2	-	7-8	10	1500	997.5	+1.2	WNW	7	bc	51	75	7	8	-	-	4-6	4-6	2500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
7	Holyhead ...	990.4	-0.6	WNW	7	pr	49	65	7	9	-	-	9	9	1500	991.5	+1.8	WS	6	c	47	65	8	2	3	-	7-8	7-8	2500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
	Chester (Sealand)	990.7	-0.6	WS	4	bc	49	55	8	8	3	-	4-6	4-6	2500	991.9	+1.4	W	6	c	47	65	7	8	3	-	2-3	7-8	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
8	Manchester ...	995.5	+0.2	WSW	6	c	48	65	8	7	3	-	4-6	7-8	2500	996.1	+1.2	WS	6	c/pr	45	75	7	8	8	-	4-6	7-8	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
10	Spurn Head ...	996.6	+0.8	WS	6	bc	48	65	6	-	8	3	0	4-6	-	987.3	-0.4	WSW	5	bc	45	75	7	-	3	0	4-6	-	0	4	cq	cq	bc	bc		
	Catterick ...	984.1	-1.2	WSW	6	bc	47	65	8	-	-	-	4-6	4-6	1500	985.3	+1.0	WN	6	bc	43	65	8	3	3	-	2-3	4-6	1500	1	4	cq	cq	bc	bc	
	Tynemouth ...	981.8	0	W	6	bc/pr	45	65	8	2	-	-	4-6	4-6	2500	981.0	+1.4	W	6	c/pr	44	65	6	2	-	-	7-8	7-8	2500	1	2	cq	cq	bc	bc	
11	St. Abbs Head ...	974.9	-1.4	W	7	pr	42	85	8	8	6	-	4-6	4-6	2500	997.3	-0.4	W	8	b/r	41	75	8	-	-	0	0	-	0	5	cq	cq	bc	bc		
	Leuchars ...	973.0	-0.6	WSW	5	c/pr	43	75	7	9	7	-	7-8	7-8	2500	973.3	+2.2	WSW	7	b	40	85	9	3	-	3	1	1	2500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
12	Reufrew (Abbots L.)	977.6	+0.2	WS	7	pr	44	75	7	9	6	3	9	9	1500	979.2	+1.4	WS	7	pr	42	75	6	9	-	3	9	9	1500	1	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Esksdalemuir ...	980.0	-0.4	SWW	7	pr	40	75	8	6	-	-	9	9	800	981.3	+1.4	SWW	6	pr	36	85	8	9	-	-	9	9	800	4	*	cirrcpm	cirrcpm	bc bc	bc bc	
	Point of Ayre ...	985.0	-1.0	WNW	8	bc	47	75	8	8	4	-	4-6	4-6	2500	986.0	+1.0	WNW	8	b	44	75	8	2	-	-	7	7	2500	0	4	cq	cq	bc	bc	
13A	Tiree ...	965.3	+0.2	W	8	c/pr	43	75	6	8	-	-	7-8	7-8	2500	968.5	+2.0	W	8	c	45	75	7	5	3	-	7-8	9	2500	1	4	cirrcpm	cirrcpm	bc bc	bc bc	
13B	Stornoway ...	965.3	+0.2	SW	5	s	35	85	5	8	7	-	7-8	10	1500	973.7	+6.6	WSW	6	c	37	85	7	6	7	-	7-8	10	1500	4	*	cirrcpm	cirrcpm	bc bc	bc bc	
15	Dalwhinnie ...	972.0	-0.2	WSW	5	bc	41	75	8	3	-	3	2-3	2-3	2500	968.8	+1.4	WS	5	bc	41	75	8	5	3	-	2-3	2-3	1500	1	2	cirrcpm	cirrcpm	bc bc	bc bc	
	Aberdeen ...	968.9	-2.6	WSW	5	bc	41	75	8	5	7	-	7-8	9	2500	959.8	0	WSW	8	c/pr	43	85	7	5	7	8	7-8	9	1500	1	3	cirrcpm	cirrcpm	bc bc	bc bc	
	Wick ...	961.0	-1.2	SW	7	pr	41	92	8	5	7	-	7-8	9	2500	959.8	0	WSW	8	c/pr	43	85	7	5	7	8	7-8	9	1500	1	3	cirrcpm	cirrcpm	bc bc	bc bc	
16	Lerwick ...	9445.1																																		

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M. 27th November, 1939.
1 S.E. England	Southwest gale on coast at first, then moderate northwest to west wind; rain, then mainly fine; mild then somewhat colder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate or fresh northwest to west wind; showers and bright intervals; somewhat colder.
6 South Wales ...	
7 North Wales ...	Wind west or northwest, fresh or strong locally at first but mainly moderate; local showers of rain, hail or sleet, chiefly in the West, with snow on hills; bright intervals; rather cold.
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	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 5 - 6.
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 large depression centred over Norway is becoming less deep. A secondary over the Bristol Channel is moving quickly eastward. There is a good chance that the next secondary may pass further south. After rain in the South and a gale in the English Channel, there will be bright periods generally but showers locally chiefly in the West.

FURTHER OUTLOOK.

Unsettled but bright periods. Perhaps local fog. Night frosts, especially in the North.

Times of issue of Gale Warnings.

South cone hoisted 0800 and 1105 25/11 and renewed 0800 27/11.

Forecasts issued at 1100 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1.

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

C. 475/2777. No. 5105. D. 4626. Gp. 349. 24300. 11/39

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.

Morning of
Monday 27th November
1939

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. 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.

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. ⚡ Hail. 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.

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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 27th November 1939.

No. 28434

OBSERVATIONS at 1 hr. G.M.T. 27th November														OBSERVATIONS at 7 hr. G.M.T. 27th November														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs.		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Form.	Amount.	Height of Base (feet).	Max. Day 7h-18h °F.			Min. Night 18h-7h °F.	Min. or Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.				
																																			Low.		Med.	High.
1	London (Kew) ...	18	303.8	+4	SW	4	c	47	85	7	5	6	1	7-8	2500	303.1	-50	SW	4	10	43	37	6	5	2	5	10	1500	1	*	58	47	43	0.1	4	0.0		
	Croydon ...	217	302.8	+2	SW	4	c	46	85	7	5	6	1	7-8	2500	303.2	-50	SW	7	10	43	37	6	5	2	5	10	1500	1	*	57	45	42	2	1	0.0		
	S. Farnborough ...	226	303.3	0	SW	3	bc	45	85	7	5	7	8	0	4-6	—	303.6	-50	SW	5	40	32	6	5	2	5	10	1500	1	*	56	44	39	2	3	0.0		
	Boscombe Down ...	417	303.8	-2	SW	3	c	50	85	7	5	1	8	2-3	7-6	2500	304.0	-38	SW	6	40	37	5	6	2	5	10	1500	1	2	56	47	45	3	3	0.0		
	Calshot (St. Mary's) ...	8	303.8	+8	SW	3	c	45	85	8	3	8	0	3	—	305.0	-48	SW	5	df	32	37	3	—	—	10	10	1500	1	4	54	44	39	2	4	0.0		
	Lympne ...	346	1000.4	+8	SW	3	c	45	85	8	3	8	0	3	—	305.0	-48	SW	5	df	32	37	3	—	—	10	10	1500	1	4	54	44	39	2	4	0.0		
	Manston ...	154	303.1	+6	SW	4	bc	45	75	6	—	5	—	—	—	304.2	-40	S	2	10	47	37	4	6	2	3	10	220	1	*	57	44	40	2	1	0.0		
2	Shoeburyness ...	11	303.8	+12	N	5	bc	46	85	7	3	—	—	—	—	304.2	-38	SW	3	rr	47	37	4	5	—	10	10	1500	1	*	57	46	41	0.2	5	0.0		
	Felixstowe ...	15	303.8	+12	N	5	bc	46	85	7	3	—	—	—	—	303.5	-38	N	3	rr	46	37	6	6	2	10	10	1500	1	3	58	45	41	1	1	0.0		
	Gorleston ...	5	304.8	+14	SW	4	bc	45	75	6	5	—	2-3	2-3	2500	303.0	-20	SW	4	10	46	85	6	6	2	10	10	1500	1	3	57	44	43	2	0.1	0.0		
	Mildenhall ...	19	305.1	+6	SW	4	bc	44	75	8	5	7	—	—	—	301.5	-30	SW	3	10	45	32	6	6	2	10	10	1500	1	*	57	43	38	1	1	0.0		
	Cranwell ...	240	302.7	+8	SW	4	bc	43	85	6	5	—	2-3	2-3	2500	302.3	-14	SW	3	10	44	85	6	6	2	10	10	1500	1	*	54	42	40	0.4	1	2.8		
3	Birmingham ...	535	303.2	+6	SW	3	bc	44	85	7	4	—	—	—	—	303.7	-20	SW	2	rr	43	37	6	6	2	10	10	1500	1	*	54	42	40	0.2	8	0.0		
	Upper Heyford ...	408	303.2	+6	SW	3	bc	44	85	7	4	—	—	—	—	301.8	-46	SW	3	rr	44	37	6	5	2	10	10	1500	1	*	55	41	35	1	4	*		
4	Ross-on-Wye ...	223	303.2	+6	SW	3	bc	44	85	7	4	—	—	—	—	303.6	-43	SW	1	rr	45	37	3	—	2	10	10	1500	1	*	57	44	42	0.2	7	0.0		
5	Hartland Point ...	299	303.6	-16	NW	6	c	50	85	7	5	2	—	7-8	3+	1500	303.7	-38	N	8	rr	53	37	6	2	—	10	10	1500	1	5	54	47	43	8	3	0.0	
	Bristol ...	209	303.6	0	NW	4	c	48	85	8	7	3	—	4-6	7-8	2500	303.7	-32	N	6	ir	53	37	5	6	2	10	10	1500	1	*	55	47	43	0.6	10	0.0	
	Portland Bill ...	32	1000.4	-4	N	6	c	52	82	7	5	2	—	7-8	10	2500	302.7	-30	SW	7	ir	55	32	7	5	—	10	10	1500	1	6	54	50	*	2	1	*	
	Plymouth ...	82	1001.6	-6	SW	5	id.	51	85	7	5	—	10	10	1500	303.5	-30	SW	8	10	54	37	5	—	2	10	10	1500	1	5	56	50	43	5	3	0.0		
	The Lizard ...	240	1001.6	-20	N	6	id.	52	87	6	5	—	10	10	1500	304.3	-28	SW	8	10	54	37	5	—	10	10	1500	1	5	54	50	*	3	2	0.0			
	Scilly (St. Mary's) ...	163	1000.3	-30	SW	5	id.	52	87	6	5	—	10	10	1500	303.7	-28	SW	8	10	54	37	5	—	10	10	1500	1	4	54	50	*	2	2	0.0			
	Guernsey ...	175	1014.1	0	SW	4	c	53	92	8	8	1	—	7-8	10	1500	303.3	-12	SW	6	10	55	32	7	8	1	10	1500	1	5	56	53	51	1	4	0.0		
6	Pembroke ...	142	303.6	-6	N	7	10	51	82	7	8	2	—	4-6	10	1500	300.3	-20	NW	3	c	45	37	8	8	—	10	10	1500	1	3	55	47	*	0.2	13	0.0	
7	Holyhead ...	26	302.3	+2	SW	5	cpr	48	75	8	6	2	—	7-8	10	1500	308.1	-14	N	4	ir	46	85	8	6	2	10	10	1500	1	2	51	45	43	0.1	1	0.3	
	Chester (Sealand) ...	16	302.7	0	N	2	cpr	44	75	7	8	—	—	—	—	302.7	-10	N	3	rr	43	75	6	5	2	10	10	1500	1	*	49	43	39	0.4	1	0.8		
8	Manchester ...	70	302.1	+6	SW	5	c	45	75	7	8	3	—	7-8	3+	2500	302.5	-10	SW	3	10	43	82	7	—	2	10	10	1500	1	*	50	43	37	5	3	1.0	
10	Spurn Head ...	29	300.3	+10	SW	5	c	44	75	6	5	—	3+	3+	4000	1007.9	-10	SW	4	0	45	85	6	5	—	10	10	4000	0	3	52	42	34	3	0.1	0.5		
	Catterick ...	175	303.7	+12	N	4	bcpr	44	65	8	8	—	4-6	4-6	2500	305.1	-14	N	4	c	44	85	7	5	7	4-6	4-6	2500	1	2	47	42	37	0.3	—	—		
	Tynemouth ...	108	304.5	+16	N	5	bc	43	65	7	8	—	4-6	4-6	2500	302.9	-16	N	6	bcq	44	65	7	2	3	4-6	4-6	2500	1	2	47	42	37	0.3	—	—		
11	St. Abbs Head ...	280	303.7	+20	N	7	q	41	85	8	1	—	—	—	—	2500	302.4	+4	N	6	bcq	39	85	8	5	4	2-3	2-3	2500	0	5	44	31	*	2	Tr	*	
	Leuchars ...	36	303.7	+14	SW	8	q	41	85	9	3	5	—	—	—	2500	303.7	0	SW	6	bc	40	85	8	3	3	1	2-3	4000	1	*	45	39	36	5	0.1	0.6	
12	Kenfrew (Abbots L.) ...	19	302.4	+2	SW	6	cq	44	75	7	8	—	7	4-6	10	1500	302.0	0	SW	4	bcpr	43	85	8	9	—	4-6	4-6	1500	1	*	46	40	31	4	3	1.1	
	Eskdalemuir ...	794	302.4	+2	SW	6	cq	44	75	7	8	—	7	4-6	10	1500	302.0	0	SW	4	bcpr	43	85	8	9	—	4-6	4-6	1500	1	*	46	40	31	4	3	1.1	
	Point of Ayre ...	30	308.5	+8	NW	6	c	45	75	8	8	6	8	4-6	3+	1500	305.8	-8	SW	5	c	39	85	7	8	7	3	4-6	3+	1500	0	3	48	44	*	—	—	1.0
13a	Tiree ...	22	303.5	+12	SW	4	cpr	41	85	8	8	—	7-8	7-8	2500	302.6	+18	N	8	ps	35	32	8	8	—	10	10	2500	4	*	39	34	31	11	11	0.0		
13b	Stornoway ...</																																					

THE DAILY WEATHER REPORT

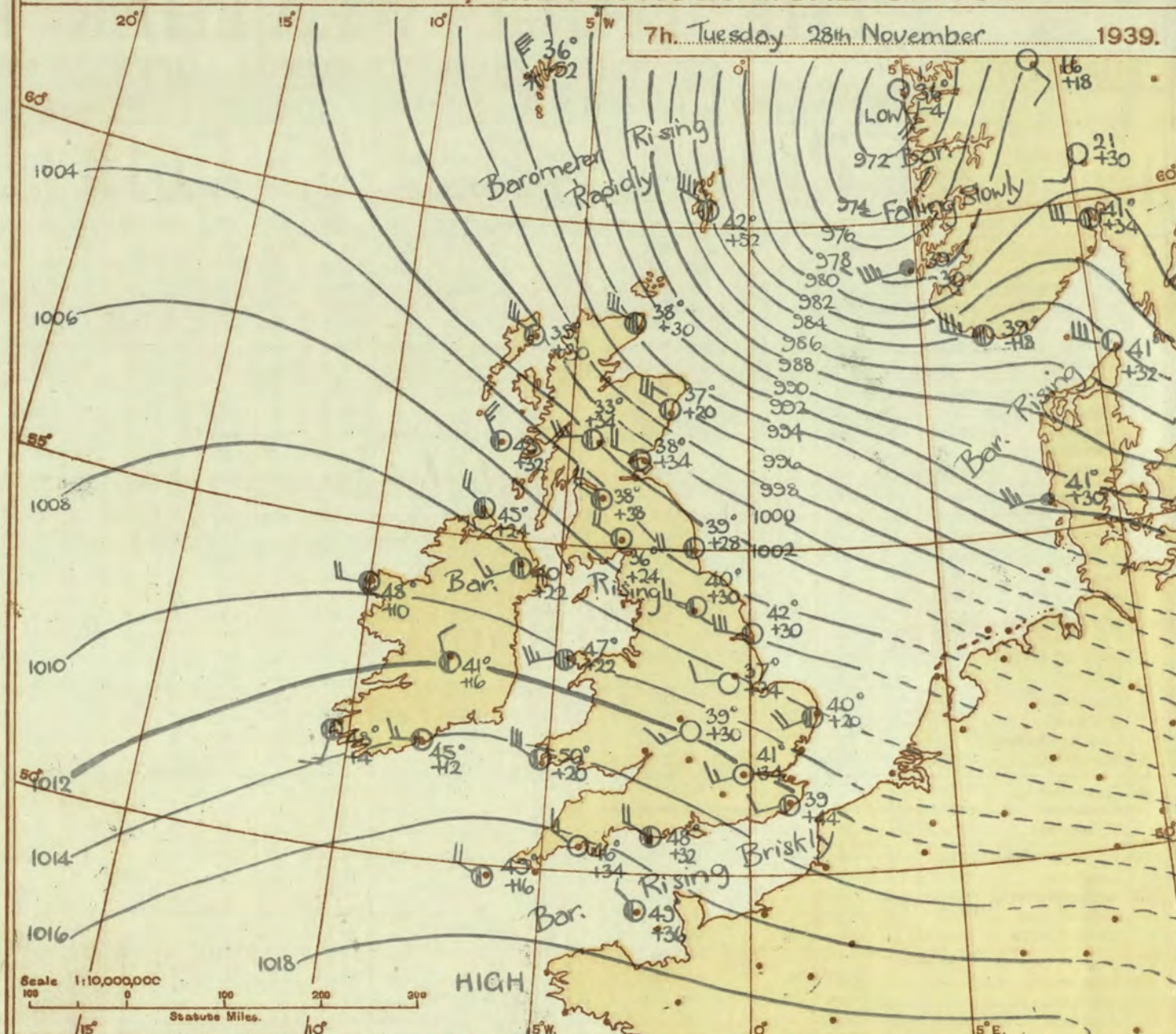
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday 28th November 1939.
No. 22,495.

OBSERVATIONS at 13h. G.M.T. 27th November														OBSERVATIONS at 18h. G.M.T. 27th November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. m. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 8 hours (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. m. (22)	Cloud.				State of Ground. (29)	Sea. (30)	WEATHER.							
				Dir.	Force. 0-12 (4)					Form.	Amount. Low 0-10 (10)	Height of Base (feet) (14)	Form.			Amount. Low 0-10 (23)	Height of Base (feet) (28)					7h.-13h. 27th (37)	13h.-18h. 27th (38)	18h.-27h. 28th (39)	1h.-7h. 28th (40)										
1	London (Kew)...	301.3	+14	WS	3	c/r	50	85	6	2	-	7-8	1500	305.5	+20	W	4	c/pr	47	73	6	5	-	4-6	4-6	1500	1	*	c/rm	bcprbc	bcmb	b			
	Croydon ...	301.8	+10	WS	4	c/r	50	82	6	7	-	4-6	1000	305.8	+20	WS	4	c/pr	48	65	6	4	3	-	7-8	7-8	2500	1	*	c/rm	bcprbc	bcmb	b		
	S. Farnborough	301.8	+10	WS	4	c/r	50	82	6	7	-	7-8	1500	306.1	+28	WSW	4	bc	45	65	7	5	-	4-6	4-6	2500	2	*	c/rm	bcprbc	bcmb	b			
	Boscombe Down	302.8	+22	WNW	5	c/r	43	85	7	5	-	3	1500	307.1	+20	W	5	bc	43	85	6	5	4	-	2-3	2-3	1500	1	*	c/rm	bcprbc	bcmb	b		
	Calshot (Soton.)	302.5	+6	WNW	2	c/r	52	82	8	5	7	-	4-6	1500	307.0	+30	WNW	4	c/d	45	85	7	8	-	7-8	7-8	1500	1	3	addrm	cprbc	bcprbc	bc		
	Lympne ...	301.3	-12	SWW	7	rr	34	97	6	2	-	9	10	450	302.1	+30	W	3	pr	46	85	8	8	-	3	3	4000	1	4	frddrr	amrrbc	bcprbc	bc		
	Manston ...	300.8	-2	WNW	3	RR	45	97	6	2	-	7-8	10	800	304.6	+18	W	4	c	47	85	7	5	3	-	7-8	3	1500	1	*	c/rm	RRbc	cdlbbz	bzab	
2	Shoeburyness ...	301.1	+14	W	2	rr	45	92	5	2	-	10	10	1500	305.1	+30	W	4	c/pr	44	85	5	8	-	3	3	1500	1	*	on	amrrbc	bcmb	bc		
	Felixstowe ...	301.1	-2	WS	3	c	46	85	6	8	7	-	4-6	10	2500	305.8	+4	WSW	4	e	45	85	6	5	-	3	3	2500	1	2	c/rm	amrrbc	bcmb	bc	
	Gorleston ...	300.1	-2	WS	3	c	46	85	6	8	7	-	4-6	10	2500	305.8	+4	WSW	4	e	45	85	6	5	-	3	3	2500	1	2	c/rm	amrrbc	bcmb	bc	
	Mildenhall ...	300.1	-2	WS	3	c	46	85	6	8	7	-	4-6	10	2500	305.8	+4	WSW	4	e	45	85	6	5	-	3	3	2500	1	2	c/rm	amrrbc	bcmb	bc	
	Cranwell ...	300.8	-2	W	3	c	46	85	6	8	7	-	7-8	10	1500	305.1	+18	W	4	b	40	92	6	5	-	1	1	4000	1	*	c/rm	RRbc	cdlbbz	bzab	
3	Birmingham	300.8	+2	WSW	3	c/pr	45	92	6	8	7	-	7-8	1500	303.7	+20	W	4	b	43	65	7	5	-	1	1	2500	1	*	c/rm	amrrbc	bcmb	bc		
	Upper Heyford	301.4	+6	W	3	c/d	47	97	7	8	3	9	7-8	800	305.5	+32	W/N	5	b/pr	42	75	9	8	6	-	7	7	2500	1	*	c/rm	amrrbc	bcmb	bc	
4	Ross-on-Wye ...	301.7	+6	WS	4	c	50	65	8	8	-	3	7-8	7-8	2500	305.8	+20	WS	3	b	46	65	8	8	-	1	1	2500	1	*	c/rm	amrrbc	bcmb	bc	
5	Hartland Point	304.2	+14	WNW	4	c/pr	49	85	8	8	5	-	7-8	7-8	1500	308.3	+30	WNW	5	c	49	65	8	8	-	7-8	7-8	2500	1	4	c/rm	amrrbc	bcmb	bc	
	Bristol ...	300.1	+14	W	4	bc/d	45	85	7	8	8	4	4-6	1500	307.3	+32	W	6	b	44	75	8	3	-	1	1	2500	1	*	c/rm	amrrbc	bcmb	bc		
	Portland Bill ...	304.2	+14	WNW	4	c	53	92	8	5	4	-	7-8	10	4000	308.2	+14	W	5	c	50	92	8	5	-	10	10	2500	1	5	c/rm	amrrbc	bcmb	bc	
	Plymouth ...	300.3	+26	WNW	5	c	51	85	8	7	-	7-8	7-8	1500	100.7	+38	WNW	4	b	49	65	8	5	-	1	1	1500	1	4	c/rm	amrrbc	bcmb	bc		
	The Lizard ...	307.3	+10	W	6	c/pr	51	97	7	8	6	-	7-8	9	1500	100.1	+20	W/N	7	bc	49	75	8	8	-	4-6	4-6	2500	1	4	c/rm	amrrbc	bcmb	bc	
	Scilly (St. Mary's)	305.0	+18	WNW	6	bc/pr	51	92	8	8	6	-	2-8	4-6	1500	100.2	+32	W/N	7	bc	49	65	8	8	-	2-3	2-3	1500	1	4	c/rm	amrrbc	bcmb	bc	
	Guernsey ...	307.1	-16	WSW	6	rr	56	97	6	5	-	10	10	800	100.2	+40	W/N	5	pr	50	75	7	8	7	-	3	3	1500	1	5	c/rm	amrrbc	bcmb	bc	
6	Pembroke ...	303.2	+8	WNW	6	c/r	48	85	8	8	-	3	9	1500	307.2	+20	WNW	8	c/r	49	65	7	8	-	7-8	7-8	1500	1	4	c/rm	amrrbc	bcmb	bc		
7	Holyhead ...	305.5	-2	WSW	6	c	47	75	3	9	-	3	9	1500	300.3	+14	WS	7	bc	47	75	8	2	-	4-6	4-6	2500	1	4	c/rm	amrrbc	bcmb	bc		
	Chester (Sealand)	300.5	+2	W	4	pr	45	75	7	8	2	-	9	10	1500	301.8	+30	WSW	3	bc	44	65	7	8	3	-	4-6	4-6	1500	1	*	c/rm	amrrbc	bcmb	bc
8	Manchester ...	308.1	-6	SWW	5	pr	46	85	6	8	3	-	9	10	2500	300.6	+18	WS	4	bc	43	85	7	8	3	-	4-6	4-6	2500	1	*	c/rm	amrrbc	bcmb	bc
10	Spurn Head ...	307.0	0	WSW	5	c	45	85	7	4	-	4-6	7-8	1500	308.0	+8	WS	4	c/pr	43	85	6	5	9	-	4-6	7-8	1500	1	3	c/rm	amrrbc	bcmb	bc	
	Catterick ...	304.3	-2	WS	4	bc	46	85	6	2	-	2-3	2-3	2500	307.4	+18	WNW	2	bc/pr	40	85	8	3	3	-	2-3	4-6	1500	1	*	c/rm	amrrbc	bcmb	bc	
	Tynemouth ...	305.3	+2	W	4	bc	46	85	6	2	3	-	2-3	4-6	2500	304.3	+18	W	3	bc/pr	41	75	8	8	-	4-6	4-6	2500	1	1	c/rm	amrrbc	bcmb	bc	
11	St. Abbs Head	309.6	-8	W	6	c/pr	41	85	8	8	6	-	4-6	9	2500	305.0	+18	W	5	c	41	85	8	8	2	-	7-8	9	1500	0	3	c/rm	amrrbc	bcmb	bc
	Leuchars ...	309.6	+2	WSW	5	c	41	85	8	8	6	1	4-6	7-8	2500	303.5	+20	W	4	bc	38	85	8	4	2	-	2-3	4-6	2500	1	*	c/rm	amrrbc	bcmb	bc
12	Reafrew (Abbots L.)	305.0	+6	WSW	2	c/pr	42	85	8	7	3	4	4-6	7-8	2500	308.5	+22	W/N	2	pr	38	92	7	9	-	3	7-8	7-8	1500	1	*	c/rm	amrrbc	bcmb	bc
	Esksdalemuir ...	302.7	-6	WSW	4	c	40	75	8	2	-	3	10	800	306.0	+22	WS	4	rs	35	92	5	9	-	3	7-8	9	800	0	*	c/rm	amrrbc	bcmb	bc	
	Point of Ayre ...	305.6	0	WNW	6	c	46	75	8	8	6	-	7-8	9	2500	307.8	+14	WNW	6	pr	45	85	8	8	-	9	9	2500	1	4	c/rm	amrrbc	bcmb	bc	
13A	Tiree ...	300.6	+4	WNW	4	c/pr	44	75	8	8	-	7-8	7-8	1500	309.1	+60	WNW	5	bc	43	75	8	8	6	-	4-6	4-6	1500	0	4	c/rm	amrrbc	bcmb	bc	
13B	Stornoway ...	307.2	0	WNW	3	rr	40	85	7	5	2	-	2-3	10	1500	308.8	+32	WNW	4	c	40	65	7	8	7	-	4-6	7-8	1500	1	2	c/rm	amrrbc	bcmb	bc
15	Dalwhinnie ...	307.2	+6	SW	4	c	36	85	7	8	6	-	4-6	7-8	2500	305.3	+42	W	3	rs	35	97	5	6	-	10	10	1500	1	*	c/rm	amrrbc	bcmb	bc	
	Aberdeen ...	308.4	+4	SW	1	c	43	65	7	5	9	-	4-6	7-8	4000	302.1	+30	WNW	5	pr	39	92	6	8	-	7-8	7-8	2500	1	2	c/rm	amrrbc	bcmb	bc	
	Wick ...	306.2	+8	WNW	4	pr	39	92	6	5	7	8	7-8	9	1500	301.6	+24	WNW	3	bc	38	75	7	5	7	-	2-3	4-6	1500	1	2	c/rm	amrrbc	bcmb	bc
16	Lerwick...	303.8	+20	WNW	4	c	40	75	8	8	7	-	4-6	9	1500	307.5	+28	WNW	4	c/pr	36	85	8	8	7	-	4-6	7-8	1500	1	*	c/rm	amrrbc	bcmb	bc
17	Blacksod Point...	308.7	+8	W	6	c/r	47	85	7	9	-	9	9	800	302.8	+20	WNW	4	c	45	85	7	9	-	7-8	7-8	800	1	4	c/rm	amrrbc	bcmb	bc		
18	Malin Head ...	302.8	0	W	6	phr	45	85																											

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 28th November 1939.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th November, 1939.

1 S.E. England	
2 E. England ...	Wind west, moderate, backing southwest to south, increasing, perhaps strong to gale tomorrow; fine today; dull, rainy tomorrow; rather cold today, becoming milder.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind backing southwest to south, moderate, increasing strong to gale on coast; fair today, cloud increasing then rain; becoming milder again
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind southwest, fresh, squally locally, decreasing moderate to light southwest; considerable bright periods; some local rain or hail showers; becoming cloudy, occasional rain tomorrow; rather cold.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	A
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	Wind northwest, fresh or strong, squally, moderating decidedly; bright periods; wintry showers with snow on the hills; cold.
15 N.E. Scotland	A
16 Orkneys and Shetlands	A
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	Wind south to southwest, fresh to strong, gale probable in the South; becoming dull, rain at times; becoming mild.
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 very low over Scandinavia and the Baltic. A ridge of relatively high pressure over Ireland will move quickly east and be followed by a new disturbance from the Atlantic. Weather will be fine to fair and rather cold over England and Wales today but unsettled conditions with rain will then spread quickly from the West with gales probable in the South. In Scotland there will be bright periods with wintry showers.

FURTHER OUTLOOK.

Mild and unsettled.

Times of issue of Gale Warnings.

A North Cone hoisted at 0130 on 28/11. in districts 11, 15, and 16.

Forecasts issued at

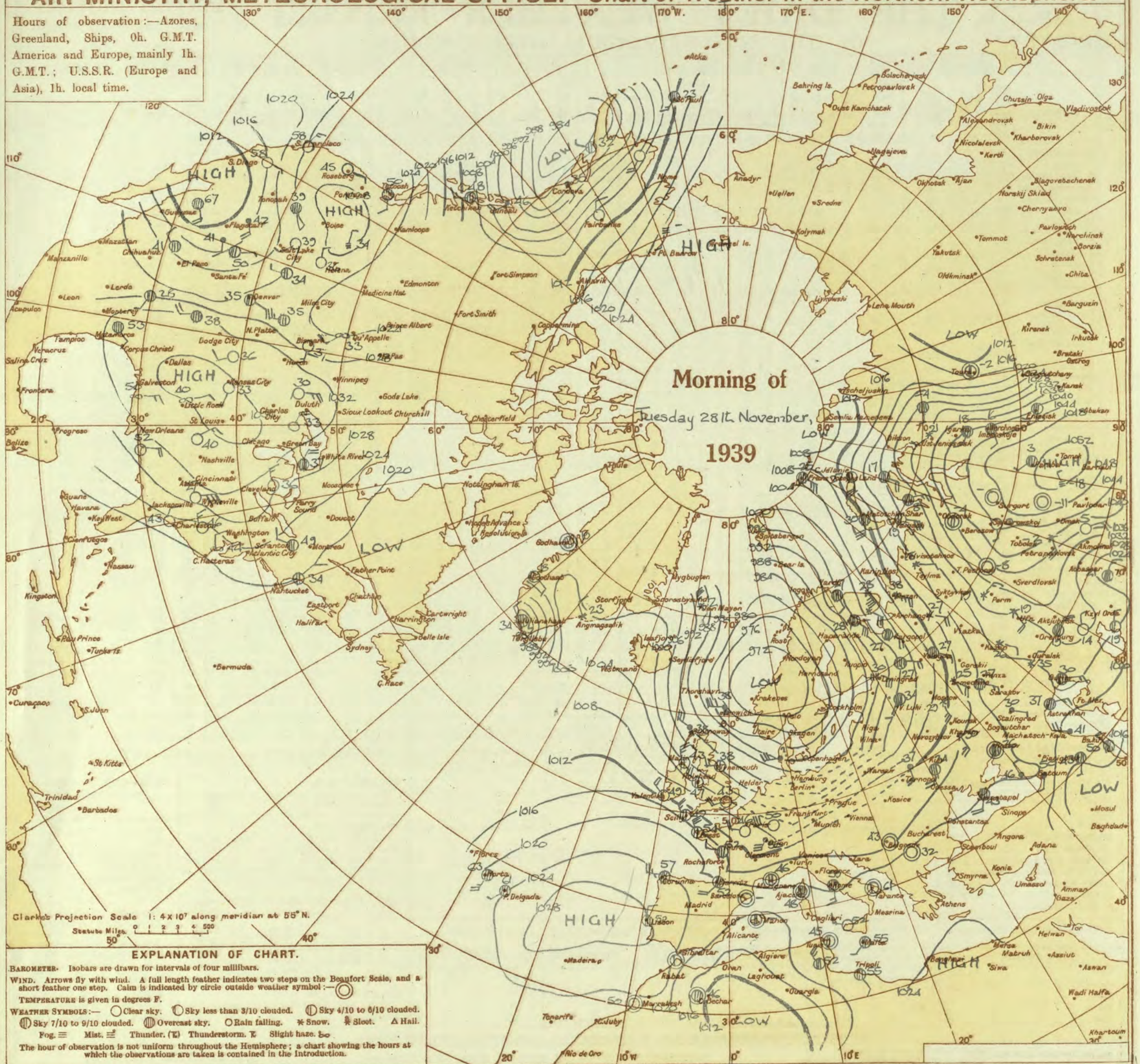
H.M.S.O. Press, Cornwall House, 100 G.M.T.

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

D. 476/2777, No. 3102, D. 4766, Gp. 549, 24300 1/105

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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 28th November 1939.

No. 28,495.

OBSERVATIONS at 1 hr. G.M.T. 28th November.

OBSERVATIONS at 7 hr. G.M.T. 28th November.

PAST 24 HOURS.

OBSERVATIONS at 7 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.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 27th Hrs. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Direc. (17)	Force. (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)								
																																Low. (11)	Med. (12)	High (13)	Low 0-10 (25)		Total 0-10 (26)	Low 0-10 (23)	Med. (24)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1012.7	+32	Δ	2	b	42	65	8	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	55	41	34	6	-	0.7			
	Croydon	217	1004.5	+42	NW	4	b	43	85	7	-	-	-	0	0	-	1012.7	+34	NW	3	z	41	85	6	-	-	-	0	0	-	1	*	56	40	37	5	-	0.3	
	S. Farnborough	226	1004.9	+38	NW	5	b	43	85	7	-	-	-	0	0	-	1015.2	+38	NW	3	z	40	85	6	-	-	-	0	0	-	1	*	56	39	35	5	Tr	0.7	
	Boscombe Down	417	1006.0	+38	NW	4	b	42	85	7	-	-	-	0	0	-	1014.2	+42	NW	3	z	39	82	7	1	7	-	Tr	Tr	2500	1	*	55	39	33	7	0.2	0.7	
	Calshot (St. Mary's)	8	1006.4	+36	NW	3	b	45	85	7	1	-	-	Tr	Tr	1500	1014.3	+42	NW	3	b	41	82	8	8	-	Tr	Tr	2500	1	2	56	40	36	7	Tr	0.3		
	Lymington	346	1004.6	+36	NW	4	b	42	75	8	-	-	-	0	0	-	1015.3	+44	NW	2	b	39	85	8	2	-	Tr	Tr	4000	1	4	54	39	35	8	0.1	0.0		
	Manston	154	1002.5	+30	NW	5	z	43	75	6	-	-	-	0	0	-	1011.9	+50	NW	4	b	41	85	7	2	-	Tr	Tr	1500	1	*	56	41	37	3	Tr	0.0		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1012.1	+24	S	2	b	41	85	5	-	-	-	-	-	0	0	-	1	*	57	40	33	10	-	0.1		
	Felixstowe	15	1000.3	+26	NW	5	bc	44	85	8	2	-	-	4-6	4-6	4000	1009.6	+46	NW	4	b	41	85	7	2	-	Tr	Tr	2500	1	2	52	40	35	6	-	0.1		
	Gorleston	5	997.5	+28	NW	5	c	43	75	7	8	-	-	3+	3+	2500	1008.1	+20	NW	4	bc	40	75	7	5	-	2-3	2-3	2500	1	2	45	40	30	5	-	*		
	Mildenhall	19	1000.4	+42	NW	5	bc	42	75	8	4	-	-	0	4-6	-	1010.1	+46	NW	3	b	37	75	8	-	-	0	0	-	1	*	47	37	31	6	Tr	0.6		
	Cranwell	240	999.8	+56	NW	3	z	41	85	6	5	-	-	Tr	Tr	2500	1008.6	+34	NW	2	z	37	82	5	-	-	0	0	-	1	*	47	36	32	3	0.3	1.0		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1011.9	+30	NW	3	b	39	75	8	-	-	-	-	-	0	0	-	1	*	47	37	33	8	-	1.2		
4	Upper Heyford	408	1003.9	+48	NW	4	b	41	85	8	4	-	-	0	Tr	-	1012.6	+36	NW	3	b	37	85	8	4	-	Tr	Tr	5700	1	*	51	36	28	8	-	*		
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1013.2	+32	NW	2	b	42	75	8	-	-	-	-	-	0	0	-	1	*	51	41	36	2	0.2	1.1		
5	Hartland Point	299	1008.1	+42	NW	3	bc	43	75	8	7	-	-	4-6	4-6	2500	1016.1	+40	NW	3	c	45	65	8	5	1	-	4-6	7-8	2500	1	3	54	43	42	2	1	0.8	
	Bristol	209	1006.6	+38	NW	4	b	43	85	7	-	-	-	0	0	-	1014.0	+36	NW	3	bc	41	85	6	-	5	0	2-3	-	-	1	*	54	40	31	8	0.1	1.3	
	Portland Bill	32	1006.6	+32	NW	4	bc	50	92	8	1	-	-	2-3	2-3	4000	1014.8	+32	NW	4	c	48	82	8	5	-	7-8	7-8	4000	1	4	56	48	*	2	-	*		
	Plymouth	82	1005.5	+38	NW	4	bc	48	85	8	3	-	-	4-6	4-6	2500	1016.6	+34	NW	3	bc	46	75	8	6	-	Tr	Tr	4-6	2500	1	2	56	46	42	4	0.2	0.6	
	The Lizard	240	1010.6	+36	NW	4	bc	49	85	8	6	-	-	4-6	4-6	2500	1017.5	+30	NW	4	bc	48	85	8	6	-	4-6	4-6	2500	1	2	57	47	*	5	2	1.3		
	Seilly (St. Mary's)	163	1012.1	+40	NW	5	bc	49	85	8	8	-	-	4-6	4-6	2500	1016.5	+16	NW	4	bc	49	75	8	4	2	1	2-3	2500	1	3	54	49	*	3	0.3	2.2		
	Guernsey	175	1009.8	+28	NW	3	bc	51	75	7	7	-	-	4-6	4-6	2500	1016.5	+36	NW	1	bc	49	75	8	2	-	4-6	4-6	2500	1	4	56	47	42	7	0.1	0.2		
6	Pembroke	142	1008.2	+30	NW	6	bc	48	75	8	7	-	-	4-6	4-6	2500	1012.5	+20	NW	6	bc	50	75	8	2	4	-	2-3	4-6	2500	1	3	50	46	*	1	-	0.9	
7	Holyhead	26	1004.4	+58	NW	6	c	47	75	8	2	-	-	7-8	7-8	2500	1010.4	+22	NW	5	c	47	75	8	6	-	7-8	7-8	2500	1	3	49	45	42	0.3	-	1.2		
8	Chester (Sealand)	16	1003.0	+52	NW	5	b	45	65	8	3	-	-	1	1	2500	1009.8	+28	NW	4	bc	45	65	8	8	-	2-3	2-3	2500	1	*	49	41	34	1	0.5	0.7		
	Manchester	70	1002.3	+66	NW	4	bc	41	85	7	8	-	-	4-6	4-6	2500	1008.2	+22	NW	5	bc	42	85	7	8	-	2-3	2-3	1500	1	*	46	39	30	2	4	0.2		
10	Spurn Head	29	996.4	+40	NW	7	bc	41	52	7	8	-	-	0	1	-	1005.2	+30	NW	6	bc	42	75	7	-	4	-	0	1	-	1	4	45	40	*	0.2	2	1.0	
	Catterick	175	999.0	+62	NW	7	b	40	65	8	-	-	-	0	0	-	1005.3	+30	NW	3	bc	40	85	8	6	-	4-6	4-6	1500	1	*	48	37	29	0.4	0.1	3.0		
	Tynemouth	108	997.3	+68	NW	3	bc	38	85	7	2	-	-	2-3	2-3	2500	1003.0	+28	NW	4	bc	39	75	7	2	-	2-3	2-3	2500	1	1	47	36	30	Tr	-	*		
11	St. Abbs Head	280	995.0	+68	NW	5	b	38	85	8	2	-	-	1	1	2500	1000.5	+32	NW	6	bc	39	75	8	2	-	2-3	2-3	2500	0	4	42	38	*	Tr	Tr	*	3.0	
	Leuchars	36	995.0	+38	NW	3	b	37	75	8	5	-	-	Tr	Tr	4000	1000.3	+34	NW	4	b	38	75	8	2	-	Tr	Tr	4000	1	*	43	34	30	-	-	0.6		
12	Renfrew (Abbots L.)	19	998.8	+36	NW	3	b	37	85	8	8	-	-	1	1	2500	1004.5	+38	NW	4	bc	38	85	8	6	-	4-6	4-6	2500	1	*	43	36	30	4	1	0.6		
	Eskdalemuir	794	998.8	+36	NW	3	b	37	85	8	8	-	-	1	1	2500	1003.8	+24	NW	4	b	36	75	8	5	-	1	1	2500	5	*	41	35	32	6	3	0.4		
	Point of Ayre	30	1001.1	+40	NW	5	bc	46	65	8	2	-	-	2-3	2-3	4000	1007.3	+32	NW	6	b	44	85	8	-	6	-	0	Tr	-	0	4	48	42	*	0.1	3	1.1	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.0	+32	NW	5	bc	43	65	8	8	3	-	4-6	4-6	1500	0	4	46	39	36	3	1	1.2		
13B	Stornoway	80	994.5	+24	NW	6	pr	38	75	8	8	-	-	7-8	7-8	1500	1001.4	+30	NW	5	bc	39	65	8	8	-	2-3	2-3	1500	1	2	42	35	*	4	1	0.1		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	997.0	+20	NW	6	b	37	65	8	5	-	Tr	Tr	4000	3	3	43	36	30	0.5	0.3	0.9		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	993.9	+30	NW	6	c	38	92	7	8	7	-	4-6	9+	1500	6	2	44	33	*	2	5	*	
	Wick	81	982.0	+24	NW	4	bc	34	57	7	3	7	-	4-6	4-6	1500	993.9	+30	NW	6	c	38	92	7	8	7	-	4-6	10	800	1	*	41	28	*	Tr	5	0.1	
16	Lerwick	156	975.8	-28	NW	8	rs	36	85	6	8	7	-	4-6	10	450	983.5	+52	NW	8	c	42	85	8	7	-	4-6	10	800	1	*	41	28	*	Tr	5	0.1		
17	Blackod Point	18	1007.1	+26	NW	3	bc	45	75	8	3	-	-	2-3	2-3	1500	1009.4	+10	NW	4	c	48																	

THE DAILY WEATHER REPORT

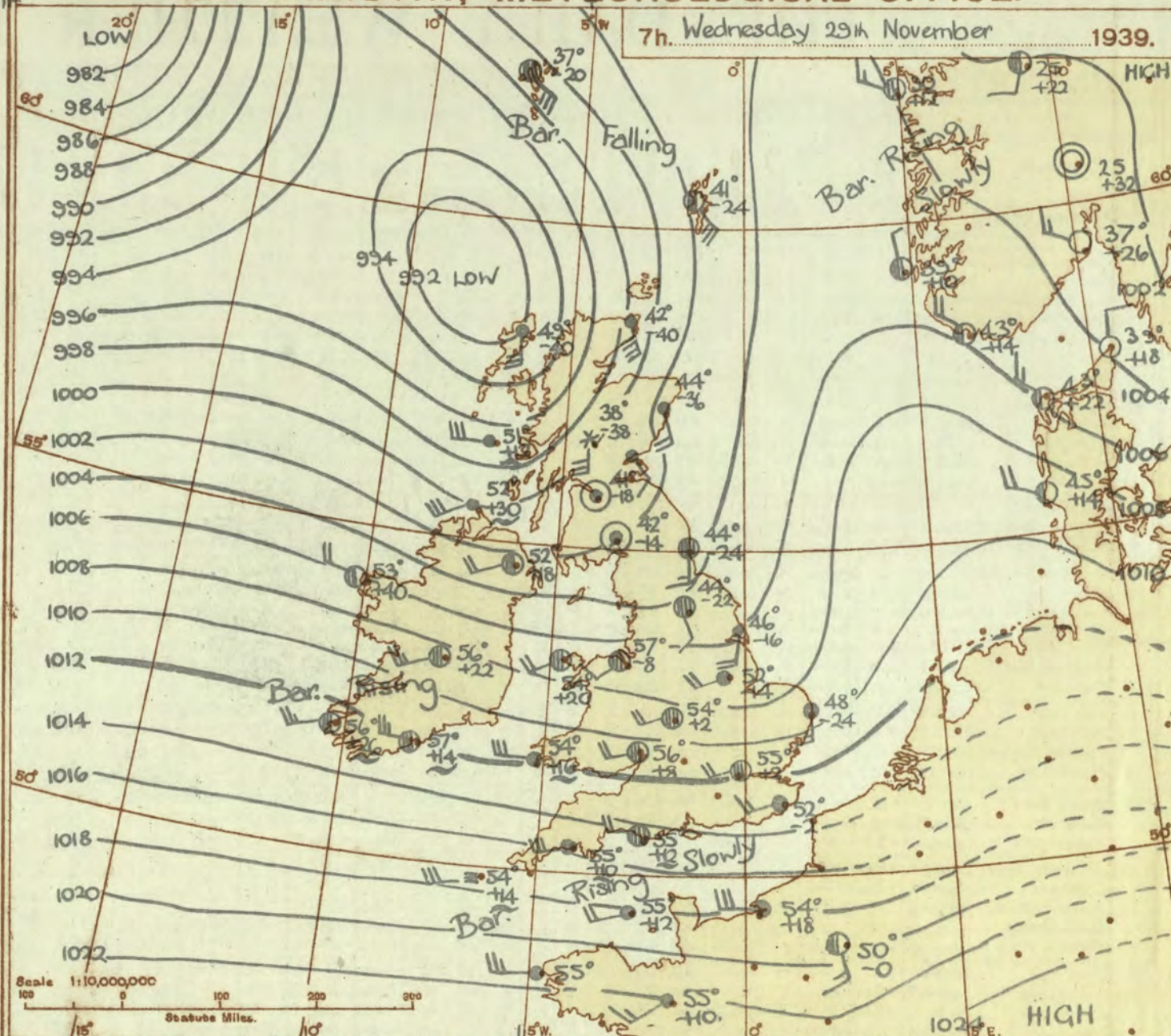
OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Wednesday 29th November 1939.
 No. 28496

OBSERVATIONS at 13h. G.M.T. 28th November														OBSERVATIONS at 18h. G.M.T. 28th November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Dir.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Med. 10-10 High 10-10 Total 0-10 (12)	Height of Base. (feet) (14)	Dir.	Force. 0-12 (18)			Form.	Amount. Low 0-10 Med. 10-10 High 10-10 Total 0-10 (27)					Height of Base (feet) (28)	7h.-18h. 28th. (37)	18h.-18h. 28th. (38)	18h.-28th 29th. (39)	1h.-7h. 29th. (40)								
1	London (Kew)...	1017.0	+4	W'S	3	bc	48	65	6	-	5	0	2-3	-	1017.7	+6	SW	3	bc	47	75	6	5	-	-	10	10	4000	1	*	bbm	bz cz	crsrm	ddrsgcm	
	Croydon ...	1017.0	+14	W'S	4	bc	48	65	7	-	4	2	0-4	-	1017.7	+2	SW	2	bc	47	75	6	5	-	-	10	10	5700	1	*	bbm	bz cz	crsrm	ddrsgcm	
	S. Farnborough	1017.4	+10	WSW	4	c	48	65	8	7	4	8	7-9	4000	1017.6	+4	SSW	3	bc	47	75	6	5	-	-	10	10	7200	1	*	bmg	bee	crsrm	ddrsgcm	
	Boscombe Down	1016.8	+14	WSW	2	c/pr	49	75	7	8	7	8	4-6	9	2500	1017.4	-2	SW	3	bc	45	85	6	5	-	2	-	0	7-8	1	*	bcm	c	crsrm	ddrsgcm
	Calshot (Soton.)	1017.8	+6	W	3	c	51	75	7	2	7	1	10	2500	1017.9	+2	SWW	3	bc	51	85	6	6	7	-	4	10	1500	1	2	cm	com	crsrm	ddrsgcm	
	Lympne	1017.2	+6	W'N	2	c	49	58	8	-	5	6	0-7	-	1018.7	+10	W'S	3	bc	45	85	7	5	7	-	4	10	5700	1	3	bbcy	bec	com	ddrsgcm	
	Manston	1016.8	+14	W'N	4	bc	49	65	7	-	-	6	0	4-6	-	1018.1	+8	WSW	3	bc	45	85	6	5	7	-	4	10	4000	1	*	bbz	bec	com	ddrsgcm
2	Shoeburyness	1016.0	+12	W'S	3	bc	48	65	5	-	6	0	4-6	-	1017.5	+6	WSW	3	bc	48	75	6	5	-	7	-	0	10	-	1	*	bcm	com	crsrm	ddrsgcm
	Felixstowe	1014.2	+14	W	5	c	48	65	8	4	7	6	7-9	2500	1016.2	+6	WSW	4	bc	46	85	6	5	-	2	-	0	10	-	1	3	bc	com	crsrm	ddrsgcm
	Gorleston	1012.8	+8	W'S	3	bc	46	65	6	5	-	4	4-6	4-6	2500	1014.6	+4	SW	3	c/pr	45	75	7	5	-	8	9	2500	0	2	bbcy	bec	com	ddrsgcm	
	Mildenhall	1014.2	+16	WSW	5	c	47	75	8	5	7	8	1	9	4000	1015.8	+14	SW	4	c/pr	46	85	6	5	-	10	10	5700	1	*	bc	com	crsrm	ddrsgcm	
	Cranwell	1012.8	+16	W	4	bc	44	85	6	5	7	-	7-8	10	2500	1013.7	+2	SWW	3	bc	45	85	5	6	2	-	7-8	10	4000	1	*	bcm	com	crsrm	ddrsgcm
3	Birmingham	1014.2	+8	WSW	4	c	47	65	8	5	7	-	4-6	10	2500	1014.5	0	SSW	3	bc	45	75	6	5	-	10	10	1500	1	*	bc	com	crsrm	ddrsgcm	
	Upper Heyford	1016.2	+10	SW'W	4	pr	48	75	7	8	7	-	2-3	9	1500	1016.3	-2	SSW	2	bc	46	85	6	5	7	-	1	10	1000	1	*	bc	com	crsrm	ddrsgcm
4	Ross-on-Wye	1015.6	+10	WSW	3	c	50	65	8	8	7	7	1	9	2500	1014.8	-6	SSW	3	bc	48	75	7	6	2	-	2-3	10	1500	1	*	bbcy	c	com	ddrsgcm
5	Hartland Point	1015.8	-6	WNW	4	c	50	75	8	5	2	-	4-6	9	1500	1013.0	-14	WSW	5	rr	49	92	7	6	2	-	7-8	10	800	1	4	bbcy	com	crsrm	ddrsgcm
	Bristol ...	1017.2	+6	SW	3	bc	49	75	8	6	-	4-6	4-6	2500	1016.2	-6	SSW	4	bc	49	85	6	5	2	-	7-8	10	2500	1	*	bbcy	com	crsrm	ddrsgcm	
	Portland Bill	1016.4	+10	WSW	4	c	51	82	8	5	4	-	4-6	9	4000	1017.0	*	SW	4	bc	52	92	7	5	-	10	10	4000	1	4	bc	com	crsrm	ddrsgcm	
	Plymouth	1018.0	-4	W'N	3	c	52	65	8	5	3	-	7-8	9	2500	1015.7	-10	WSW	5	bc	51	92	6	5	-	10	10	1500	1	3	bbcy	com	crsrm	ddrsgcm	
	The Lizard	1018.4	+10	SSW	4	bc	53	75	8	6	-	4-6	4-6	2500	1015.3	-10	SSW	5	bc	51	97	6	5	-	10	10	1500	1	3	bbcy	com	crsrm	ddrsgcm		
	Scilly (St. Mary's)	1017.5	-10	SSW	4	c	52	75	7	8	8	7	4-6	10	1500	1013.6	-30	SSW	5	rr	52	97	6	5	-	10	10	1500	1	3	bbcy	com	crsrm	ddrsgcm	
	Guernsey	1020.1	+6	WSW	2	c	52	65	8	8	7	-	4-6	9	1500	1018.8	-6	SW	3	c	52	75	6	8	-	10	10	1500	1	3	bbcy	com	crsrm	ddrsgcm	
6	Pembroke	1014.7	-2	WSW	4	c	51	75	8	5	2	-	7-8	9	2500	1011.1	-24	SSW	4	rr	50	97	7	5	-	10	10	1500	1	4	bbcy	com	crsrm	ddrsgcm	
7	Holyhead	1012.7	+6	SW	4	c	49	85	8	5	2	-	7-8	10	2500	1010.5	-12	SSW	4	bc	49	97	6	5	-	10	10	800	1	2	bbcy	com	crsrm	ddrsgcm	
	Chester (Sealand)	1013.2	+10	W	3	c	50	65	8	8	7	-	1	10	1500	1012.9	0	-	46	85	5	-	2	-	10	10	4000	1	*	bc	com	crsrm	ddrsgcm		
8	Manchester	1012.2	+14	W	3	bc	46	85	6	8	1	-	4-6	9	2500	1012.6	0	SSW	3	bc	46	85	6	5	-	10	10	2500	1	*	bbcy	com	crsrm	ddrsgcm	
10	Spurn Head	1011.2	+22	W'N	4	bc	45	85	5	-	8	-	0	4-6	-	1012.9	+10	WSW	3	c	45	85	5	5	-	9	9	1500	0	2	am	c	com	ddrsgcm	
	Catterick	1010.7	+18	W	2	c	48	75	8	5	-	7	4-6	9	2500	1011.6	+10	-	0	43	85	7	5	7	-	4	10	2500	1	*	bbcy	c	com	ddrsgcm	
	Tynemouth	1009.1	+24	W	3	c	44	65	6	5	-	-	3	9	2500	1010.9	+12	W	3	c	43	75	5	8	-	9	9	1500	1	1	bbcy	c	com	ddrsgcm	
11	St. Abbs Head	1007.1	+40	WNW	5	c	40	65	8	7	6	3	4-6	7-8	2500	1009.3	+8	W	3	c	41	55	7	5	2	-	7-8	10	2500	0	3	bbcy	com	crsrm	ddrsgcm
	Leuchars	1006.6	+30	WSW	2	c	41	65	9	-	6	0	3	-	1009.3	+18	WSW	2	c	37	85	7	-	7	-	0	10	-	1	*	bc	com	crsrm	ddrsgcm	
12	Renfrew (Abbotts I.)	1005.3	+12	WSW	2	c	41	85	8	5	1	-	2-3	9	2500	1010.1	+4	-	0	39	92	4	8	-	10	10	2500	1	*	bbcy	com	crsrm	ddrsgcm		
	Eskdalemuir	1009.7	+18	-	0	c	38	85	8	5	1	7	4-6	10	2500	1010.1	0	WSW	2	bc	37	92	7	-	2	-	9	9	1500	1	*	bbcy	com	crsrm	ddrsgcm
	Point of Ayre	1010.8	+12	W'N	4	c	48	85	8	8	1	-	7-8	10	2500	1010.3	-4	SW	1	bc	44	97	7	6	2	-	2-3	10	1500	1	1	c	com	crsrm	ddrsgcm
13A	Tiree	1017.6	+4	-	0	c	48	65	5	5	-	-	7-8	7-8	4000	1006.5	-6	SSW	3	bc	48	75	7	5	-	4	4	2500	0	2	c	c	com	ddrsgcm	
13B	Stornoway	1006.6	+20	W	2	q	40	75	8	8	5	7	2-3	10	2500	1007.5	+14	-	0	37	85	7	5	1	-	4	10	2500	1	1	bbcy	c	c	com	ddrsgcm
15	Dalwhinnie	1003.4	+26	W	3	c	34	85	8	4	-	7	1	9	4000	1009.7	+6	-	0	31	92	7	5	-	7	10	10	2500	*	*	bbcy	c	c	com	ddrsgcm
	Aberdeen	1003.4	+22	WNW	5	b	41	65	8	8	-	5	1	1	4000	1008.0	+26	SW	1	c	38	75	5	5	-	3	4	7-8	4000	3	2	bbcy	com	crsrm	ddrsgcm
	Wick	1002.0	+30	WNW	7	c/pr	42	75	8	5	7	-	7-8	9	1500	1005.7	+20	NW	6	bc	40	65	7	5	7	8	2-3	4-6	1500	1	2	bbcy	com	crsrm	ddrsgcm
16	Lerwick	094.4	+30	NW	8	c/pr	41	75	8	8	7	-	7-8	9	1500	1002.2	+24	NW	6	c	39	85	8	8	7	-	4	7-8	1500	1	*	bbcy	com	crsrm	ddrsgcm
17	Blacksod Point	1002.7	+22	SSE	1	rr	46	85	7	6	-	-	10	10	4150	1000.6	-24	SSE	5	rr	51	92													

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 29th November 1939.



DISTRICTS.

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

1 S.E. England	Wind west southwest, moderate or fresh; cloudy or dull; some occasional light rain or drizzle, but amounts small; very mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind west backing southwest, fresh to strong at times on the coast; dull, occasional rain and drizzle; hill fog at times, and local coast mist or fog; mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	Wind south, veering southwest, moderate or fresh in the south, strong to gale off northern coasts; dull; rain at times; mild.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotland B.N.W. Scotland	As 5 - 9.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 5 - 9.
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 Spain and lowest southwest of Iceland. A depression off the Hebrides is moving north-north-east and further disturbances will move northeast on the Atlantic. Weather will be cloudy and very mild generally with occasional rain or drizzle, especially in the North and West.

FURTHER OUTLOOK.

A spell of mild weather; rain at times in the Northwest half of the country.

South Cone hoisted in districts 3-14, 18, 19. 1637h. 28/11/39
1-3, 16. 0450h. 29/11/39.

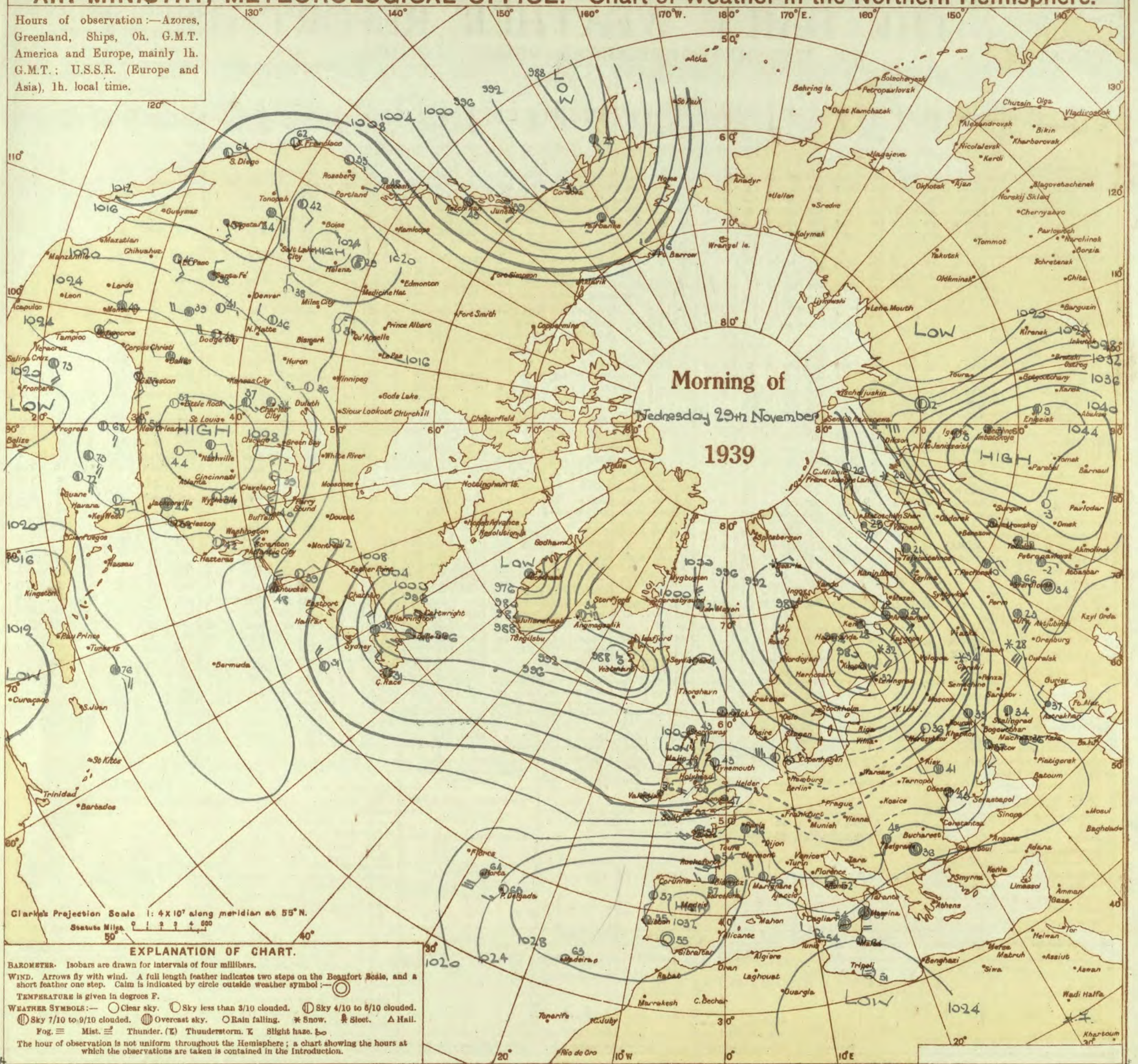
Forecasts issued at 1100 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1.

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

G. 473/5747 Hb. 8108, D. 4000 G. 3748, D. 5110, 11/39.

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 22nd November 1939.

No. 28486

OBSERVATIONS at 1 hr. G.M.T. 22nd November

OBSERVATIONS at 7 hr. G.M.T. 22nd November

PAST 24 HOURS.

OBSERVATIONS at 7 M. G.M.T.															OBSERVATIONS at 7 M. G.M.T.															FAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 24 Hrs. (36)			
					Direc.	Force.					Low.	Med.	High.	Low 0-10	Total 0-10			Height of Base. (feet) (14)	Direc.					Force.	Low.	Med.	High.	Low 0-10			Total 0-10	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. or Grass °F. (33)		Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
																																							0-12
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1012.2	+2	NSW	4	C	55	32	6	5	2	-	9	10	800	1	*	49	45	43	-	2	5.0				
	Croydon	217	1013.3	-30	SSW	4	dd	47	97	6	6	2	-	9	10	2500	1012.2	NSW	4	C	55	32	6	5	2	-	9	10	800	1	*	49	45	43	-	2	5.0		
	S. Farnborough	226	1012.4	-30	S	4	dd	48	97	5	5	2	-	9	10	4000	1012.3	SW	4	C	55	32	6	5	2	-	10	10	1500	2	*	49	45	44	-	3	5.0		
	Boscombe Down	417	1011.6	-26	S	3	dd	49	97	5	5	2	-	10	10	1500	1013.4	NSW	5	C	54	32	7	5	2	-	10	10	1500	1	*	49	44	43	-	4	2.3		
	Calshot (Stmntn.)	8	1012.1	-36	SW	4	dd	52	97	6	6	2	-	9	10	800	1013.5	NSW	4	C	55	37	7	5	2	-	9	10	1500	1	2	52	48	48	-	4	3.9		
	Lympne	346	1015.3	-18	SW	4	dd	46	92	7	6	2	-	9	10	800	1015.0	NSW	3	dd	52	37	5	6	2	-	10	10	220	1	3	49	45	41	-	3	5.8		
	Manston	154	1015.1	-20	SW	4	dd	46	92	6	6	2	-	9	10	1500	1011.5	W	4	dd	52	32	6	6	2	-	7-8	10	800	1	*	49	44	42	-	3	5.6		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1002.8	-18	SW	3	dd	48	97	6	6	2	-	9	10	800	1	2	49	45	42	-	2	4.4				
	Felixstowe	15	1014.7	-10	SW	3	dd	46	92	6	5	-	-	10	10	2500	1002.8	SW	3	dd	48	92	6	6	2	-	10	10	1500	1	2	46	*	42	-	1	*		
	Gorleston	5	1013.7	-4	SW	4	C	45	98	6	5	-	-	9	9	2500	1008.0	S	4	dd	51	97	5	5	-	-	10	10	800	1	*	48	45	42	-	3	3.9		
	Mildenhall	19	1013.0	-16	SSE	2	dd	45	92	4	5	2	-	10	10	2500	1008.0	SW	4	dd	51	97	6	5	2	-	10	10	800	1	*	48	45	42	-	3	3.9		
	Cranwell	240	1011.1	-18	S	3	dd	43	97	4	5	-	-	10	10	450	1007.2	NSW	4	dd	52	97	6	5	2	-	9	10	800	1	*	45	43	40	-	5	2.3		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1008.6	+2	NSW	4	C	54	32	8	6	-	-	10	10	800	1	*	47	43	41	-	4	2.8				
	Upper Heyford	408	1011.7	-26	SW	3	dd	45	97	6	5	2	-	9	10	450	1011.0	NSW	3	C	53	37	8	5	7	-	9	10	800	1	*	48	40	40	-	2	*		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1010.7	+8	NSW	4	C	56	38	7	5	7	-	9	10	2500	1	*	50	46	44	-	2	2.2				
5	Hartland Point	299	1011.1	+6	W	6	f	53	97	3	-	-	-	10	10	450	1013.5	NSW	5	f	53	97	3	-	-	10	10	450	1	4	51	47	47	-	11	2.1			
	Bristol	209	1010.4	-20	SW	5	id	53	97	6	6	2	-	9	10	800	1012.8	NSW	7	f	55	92	6	6	7	-	9	10	800	2	*	49	47	44	-	9	1.8		
	Portland Bill	32	1011.8	-14	W	4	ir	55	92	7	5	-	-	10	10	2500	1015.3	W	4	C	55	32	8	5	-	-	10	10	4000	1	4	52	50	*	-	5	*		
	Plymouth	82	1014.0	+14	SW	5	id	55	92	7	5	2	-	10	10	800	1016.0	NSW	6	dd	55	97	6	5	-	-	9	9	300	1	4	52	50	49	0.5	6	2.8		
	The Lizard	240	1015.4	+20	SW	6	id	54	97	5	5	-	-	10	10	1500	1017.9	NSW	7	f	54	97	4	5	-	-	10	10	800	1	3	53	50	*	3	2.4			
	Scilly (St. Mary's)	163	1015.2	+14	NSW	6	if	53	97	3	-	-	-	10	10	450	1018.0	NSW	6	f	54	32	2	5	-	-	10	10	450	1	4	52	42	*	4	1.8			
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	1018.0	+12	NSW	4	id	56	37	5	5	-	-	10	10	800	1	3	54	49	47	-	8	3.5				
6	Pembroke	142	1009.0	+8	W	7	og	54	97	6	5	-	-	10	10	800	1012.1	W	6	dd	54	37	4	5	-	-	10	10	800	1	4	52	48	*	5	1.5			
7	Holyhead	26	1005.4	-10	SW	4	rr	53	97	6	-	2	-	10	10	800	1007.1	SW	4	C	54	37	8	5	2	-	9	10	2500	1	2	50	48	46	3	3	0.0		
	Chester (Sealand)	16	1009.4	-10	SSE	3	dd	47	92	6	6	2	-	9	10	1500	1007.0	SW	2	C/r	57	75	7	6	2	-	4-6	10	2500	1	*	(50)	44	42	0.2	6	1.2		
8	Manchester	70	1008.0	-28	SSE	3	dd	46	92	4	6	2	-	9	10	1500	1006.1	SW	3	dd	53	97	4	6	2	-	7-8	10	800	2	*	47	43	41	0.6	13	0.6		
10	Spurn Head	29	1010.8	-10	S	3	C	44	92	6	5	1	-	2-3	10	2500	1005.8	SW	4	rr	46	97	5	5	-	-	10	10	1500	2	1	45	43	*	-	5	1.9		
	Catterick	175	1009.4	-14	SSE	1	m	42	92	4	5	2	-	7-8	10	1500	1003.9	SE	2	f/r	44	97	3	5	-	-	10	10	450	1	*	45	40	38	-	5	2.3		
	Tynemouth	108	1009.4	-10	S	3	C	43	85	6	8	-	-	7-8	7-8	1500	1003.8	S	3	C/r	44	97	6	-	2	-	10	10	1500	1	2	*	*	*	-	6	*		
11	St. Abbs Head	280	1008.1	-16	SSE	2	C	38	85	8	5	7	-	4-6	10	2500	1000.2	SSE	4	rr	41	97	4	3	-	-	10	10	1500	1	3	*	*	*	-	7	*		
	Leuchars	36	1007.6	-14	-	0	C	32	97	7	-	7	-	0	10	-	1000.1	-40	SE	2	rr	40	97	7	5	-	-	10	10	2500	1	*	41	31	23	-	5	3.2	
12	Renfrew (Abbots L.)	19	1006.3	-24	E/N	3	qf	39	97	3	5	-	-	10	10	1500	1001.4	-18	-	dd	40	97	5	5	-	-	10	10	800	1	*	41	37	34	-	10	0.3		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1002.0	-14	0	dd	42	92	6	6	2	-	-	-	10	10	220	2	3	39	34	*	3	11	0.7			
	Point of Ayre	30	1005.1	-26	SE	6	dd	47	97	6	-	2	-	10	10	1500	1003.4	+6	W	C/r	55	97	7	8	2	-	7-8	10	1500	1	3	48	44	*	2	12	0.0		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1006.6	+12	W	6	ir	51	92	7	-	2	-	-	9	9	1500	1	5	44	41	39	-	8	0.0			
13B	Stornoway	80	1003.8	-24	SE	4	C	43	65	7	5	5	-	4-6	3	2500	1001.1	-40	S	6	rr	43	92	7	5	2	-	7-8	10	1500	1	3	42	36	*	0.3	4	1.5	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1002.7	-38	S	6	S	38	92	6	8	-	-	-	10	10	1500	4	*	36	27	24	-	8	2.5			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1002.7	-36	SE	4	rr	44	92	6	6	-	-	-	10	10	800	1	2	41	29	19	-	4	4.4			
	Wick	81	1006.5	-6	SW	2	bc	34	85	8	8	1	-	1	2-3	1500	1008.4	-40	SSE	5	rr	42	92	7	5	2	-	9	10	1500	1	3	42	31	*	-	2	*	
16	Lerwick	156	1006.2	+8	N/W	2	C	37	85	8	5	7	-	4-6	7-8	1500	1002.3	-24	SE	5	rr	41	75	7	8	7	-	7-8	9	1500	1	*	42	35	*	1	0.3		
17	Blacksod Point	18	1000.8	-2	SW	5	dd	54	97	6	6	-	-	10	10	45																							

THE DAILY WEATHER REPORT

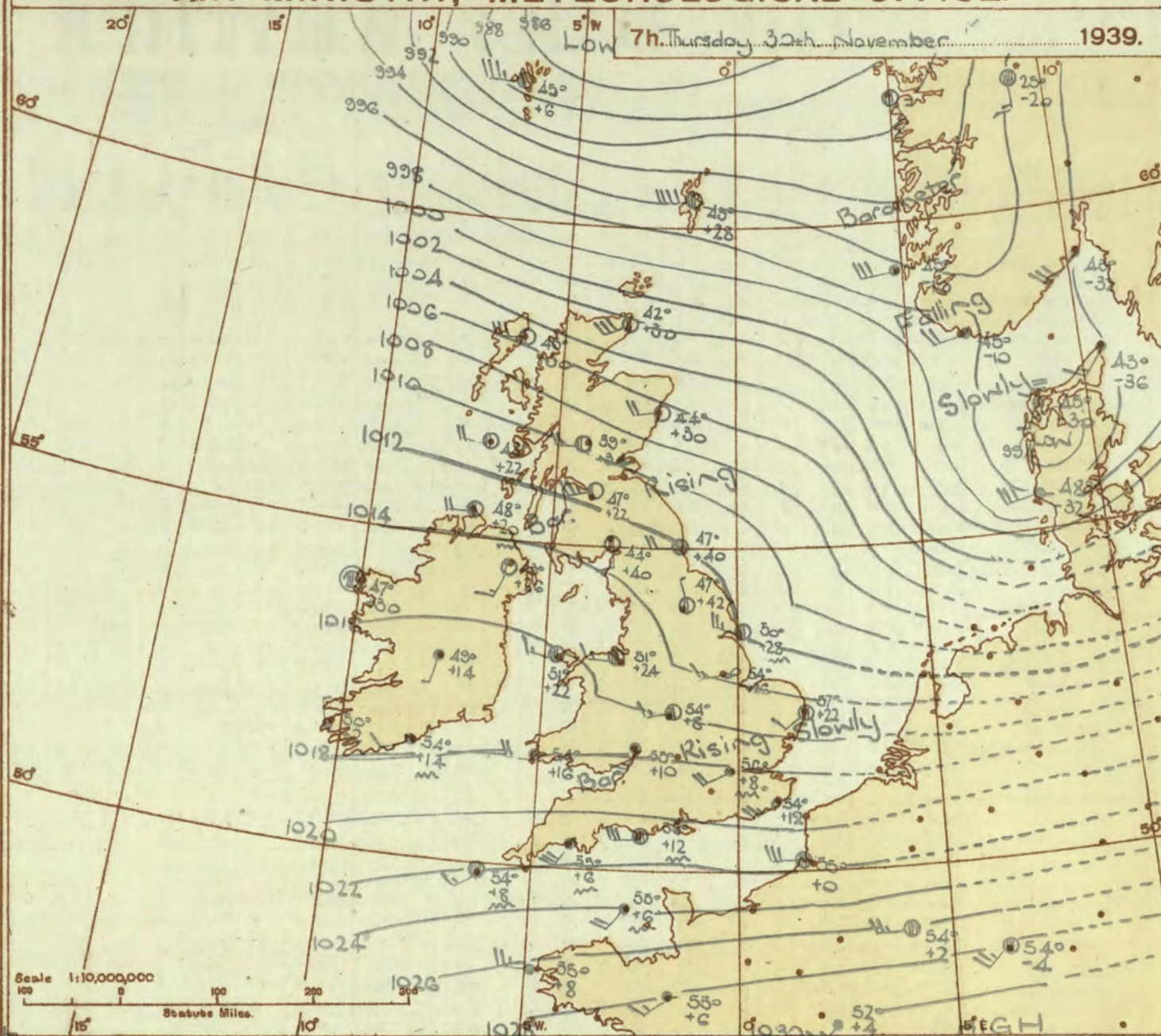
OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Thursday 30th November 1939.
 No. 28497.....

OBSERVATIONS at 13h. G.M.T. 29th November.														OBSERVATIONS at 18h. G.M.T. 29th November.														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Direc.	Force. 0-12 (4)					Form.	Amount. Low Total 0-10 0-10 (12) (13)	Height of Base. (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low Total 0-10 0-10 (26) (27)	Height of Base. (feet) (28)	7h.—13h. 29th (37)	13h.—18h. 29th (38)			18h.—29th 1h.—30th (39)	1h.—7h. 30th (40)						
1	London (Kew)...	1014.5	+4	WS	4	20	58	85	6	5	9+	9+	2500	1013.4	+18	WSW	3	20	56	85	6	5	—	—	10	10	1500	1	*	ccmo	cmo	cmo	ccmo		
	Croydon ...	1015.5	+6	WS	4	20	57	85	7	5	—	—	10	10	1500	1013.2	+14	WSW	4	20	56	85	5	—	—	10	10	1500	1	*	ccmo	cmo	cmo	ccmo	
	S. Farnborough	1015.4	+2	WSW	5	20	57	85	8	5	—	—	10	10	1500	1013.2	+16	SW	4	20	56	85	7	5	—	—	10	10	1500	1	*	ccmo	cmo	cmo	ccmo
	Boscombe Down	1016.4	+10	WSW	4	20	57	85	8	5	—	—	9+	9+	800	1013.2	+10	WSW	5	20	55	82	7	5	—	—	10	10	1500	1	*	ccmo	cmo	cmo	ccmo
	Calshot (Soton.)	1017.0	+10	WSW	4	20	55	87	7	5	—	—	10	10	800	1020.1	+18	WSW	3	20	55	87	6	5	—	—	10	10	800	1	2	ccmo	ccmo	ccmo	ccmo
	Lymington	1016.2	+18	WSW	4	20	54	87	6	5	—	—	10	10	220	1015.5	+12	WSW	4	20	53	87	7	5	—	—	10	10	800	1	8	ccmo	ccmo	ccmo	ccmo
	Manston	1014.1	+16	WSW	5	20	58	85	6	5	—	—	9+	9+	800	1016.5	+12	WS	5	20	55	82	6	5	—	—	7-8	9+	1500	1	*	ccmo	ccmo	ccmo	ccmo
2	Shoeburyness	1014.5	+8	WSW	4	20	57	82	5	—	—	—	9+	9+	1500	1016.2	+14	WSW	4	20	55	85	6	5	—	—	7-8	10	1500	1	*	ccmo	ccmo	ccmo	ccmo
	Felixstowe	1011.4	+6	WS	5	20	59	85	8	—	—	—	4-6	4-6	1500	1015.0	+20	WS	5	20	55	85	6	5	—	—	9	9	4000	1	3	ccmo	ccmo	ccmo	ccmo
	Gorleston	1010.1	+8	WS	4	20	57	85	8	—	—	—	4-6	4-6	1500	1014.1	+24	WSW	2	20	56	85	6	5	—	—	7-8	7-8	1500	1	2	ccmo	ccmo	ccmo	ccmo
	Mildenhall	1011.6	+22	WSW	5	20	50	85	8	5	7	5	4-6	4-6	1500	1014.6	+22	WSW	4	20	55	85	7	5	—	—	10	10	2500	1	*	ccmo	ccmo	ccmo	ccmo
	Cranwell	1008.4	+6	WS	4	20	59	85	8	8	—	—	2-3	2-3	1500	1013.3	+22	WS	5	20	53	85	6	5	—	—	10	10	2500	1	*	ccmo	ccmo	ccmo	ccmo
3	Birmingham	1011.8	+4	WSW	5	20	58	75	8	8	—	—	4-6	4-6	2500	1013.9	+2	WSW	4	20	54	75	8	5	—	—	4-6	9+	2500	1	*	ccmo	ccmo	ccmo	ccmo
	Upper Heyford	1014.1	+10	WSW	4	20	59	82	8	—	—	—	4-6	4-6	800	1016.5	+12	WSW	3	20	54	85	7	5	—	—	5	10	800	1	*	ccmo	ccmo	ccmo	ccmo
4	Ross-on-Wye	1014.2	+14	WS	4	20	58	75	8	8	—	—	2-3	2-3	2500	1016.5	+12	WS	3	20	54	72	8	5	—	—	10	10	2500	1	*	ccmo	ccmo	ccmo	ccmo
5	Hartland Point	1018.1	+20	WS	5	20	53	87	1	—	—	—	10	10	4180	1017.4	0	WS	6	20	53	87	7	—	—	10	10	4180	1	4	ccmo	ccmo	ccmo	ccmo	
	Bristol ...	1017.2	+20	WS	5	20	54	87	6	2	—	—	9	10	450	1018.1	+2	WS	4	20	55	82	6	5	—	—	9	10	800	1	*	ccmo	ccmo	ccmo	ccmo
	Portland Bill	1018.2	+6	WS	4	20	58	87	8	—	—	—	10	10	4000	1020.6	+8	WS	4	20	55	87	8	5	—	—	10	10	4000	1	4	ccmo	ccmo	ccmo	ccmo
	Plymouth	1018.9	+18	WS	4	20	56	87	6	5	—	—	10	10	800	1020.7	+2	WS	5	20	54	87	6	5	—	—	10	10	800	1	4	ccmo	ccmo	ccmo	ccmo
	The Lizard	1021.8	+20	WS	5	20	54	87	2	5	—	—	10	10	1500	1022.6	+10	WS	6	20	54	87	3	5	—	—	10	10	800	1	4	ccmo	ccmo	ccmo	ccmo
	Scilly (St. Mary's)	1020.9	+14	WSW	5	20	54	87	5	5	—	—	10	10	800	1020.8	+2	WSW	4	20	54	87	2	—	—	—	10	10	4180	1	4	ccmo	ccmo	ccmo	ccmo
	Guernsey	1021.4	+16	WS	4	20	55	87	6	5	—	—	10	10	800	1023.1	+12	WSW	4	20	55	87	6	5	—	—	10	10	800	1	3	ccmo	ccmo	ccmo	ccmo
6	Pembroke	1016.3	+16	WS	6	20	54	87	6	5	—	—	9+	9+	800	1016.3	+2	WSW	7	20	54	87	6	5	—	—	9+	9+	800	1	4	ccmo	ccmo	ccmo	ccmo
7	Holyhead	1013.1	+30	WSW	3	20	54	85	7	5	2	—	9	10	2500	1016.0	+24	WS	5	20	53	87	5	—	—	10	10	1500	1	3	ccmo	ccmo	ccmo	ccmo	
	Chester (Sealand)	1012.0	+32	WS	3	20	59	75	8	5	7	—	4-6	4-6	2500	1012.5	+6	WS	2	20	56	75	7	5	—	—	10	10	1500	1	*	ccmo	ccmo	ccmo	ccmo
8	Manchester	1011.2	+26	WS	5	20	56	85	7	5	—	—	9+	9+	2500	1011.8	+6	WSW	3	20	51	85	6	5	—	—	7-8	10	1500	1	*	ccmo	ccmo	ccmo	ccmo
10	Spurn Head	1006.3	0	WSW	8	20	55	75	6	5	—	—	4-6	4-6	2500	1011.0	+10	WS	4	20	51	85	6	5	—	—	10	10	1500	1	3	ccmo	ccmo	ccmo	ccmo
	Catterick	1007.1	+30	WSW	1	20	57	65	8	2	6	—	4-6	4-6	2500	1009.2	+18	WSW	2	20	52	75	7	5	—	—	4-6	10	1500	1	5	ccmo	ccmo	ccmo	ccmo
	Tynemouth	1005.0	+18	WS	5	20	55	65	7	2	3	2	2-3	2-3	2500	1008.1	+16	WS	5	20	52	75	6	8	—	—	9+	9+	1500	1	2	ccmo	ccmo	ccmo	ccmo
11	St. Abbs Head	1003.4	+34	WS	5	20	52	75	7	8	6	—	4-6	4-6	2500	1004.2	0	WS	5	20	50	75	8	5	6	—	7-8	10	1500	0	4	ccmo	ccmo	ccmo	ccmo
	Leuchars	1003.9	+10	WSW	4	20	52	75	8	8	—	—	2-3	2-3	2500	1003.2	+6	WSW	3	20	50	75	8	5	—	—	7-8	7-8	4000	1	*	ccmo	ccmo	ccmo	ccmo
12	Reafrew (Abbots L.)	1006.0	+28	WSW	5	20	52	75	7	8	7	3	7-8	7-8	2500	1003.9	+38	WSW	5	20	50	85	7	5	2	—	2-3	10	2500	1	*	ccmo	ccmo	ccmo	ccmo
	Eske Dalemuir	1005.2	+20	WS	6	20	40	75	7	5	—	—	4-6	4-6	1500	1005.4	+16	WSW	5	20	47	85	7	5	—	—	10	10	800	1	*	ccmo	ccmo	ccmo	ccmo
	Point of Ayre	1010.6	+42	WSW	3	20	53	85	7	8	1	—	4-6	4-6	1500	1007.2	+24	WSW	6	20	53	82	7	—	—	—	10	10	800	1	3	ccmo	ccmo	ccmo	ccmo
13A	Tiree	1004.4	+30	WS	4	20	51	75	7	5	—	—	10	10	1500	999.7	+32	WSW	4	20	50	87	6	—	—	10	10	1500	1	3	ccmo	ccmo	ccmo	ccmo	
13B	Stornoway	997.7	+50	WSW	6	20	50	85	7	5	7	—	7-8	9+	2500	997.8	+14	WSW	6	20	50	85	6	5	2	—	9	10	2500	1	3	ccmo	ccmo	ccmo	ccmo
15	Dalwhinnie	*	+20	WS	6	20	48	75	8	4	6	1	2-3	2-3	4000	1001.3	+20	WS	6	20	44	85	7	4	6	—	4-6	7-8	2500	0	*	ccmo	ccmo	ccmo	ccmo
	Aberdeen	999.6	+26	WS	2	20	46	85	6	5	—	—	2-3	2-3	2500	1001.3	+2	WS	1	20	47	75	5	5	7	—	1	9	2500	1	1	ccmo	ccmo	ccmo	ccmo
	Wick	995.6	+10	WSW	5	20	50	82	8	5	7	8	4-6	4-6	1500	998.0	+10	WS	3	20	47	85	8	5	7	—	4-6	9	1500	1	2	ccmo	ccmo	ccmo	ccmo
16	Lerwick	993.3	+32	SSE	6	20																													

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday, 32th November 1939.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th November, 1939.
1 S.E. England	Wind southwest increasing strong to gale, especially on the coast, veering to-morrow; cloudy or dull; occasional drizzle or rain, but amounts mainly small in the Southeast; somewhat brighter and fairer to-morrow; very mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind becoming variable, light to fresh, finally westerly strong to gale; fair periods at first, then dull, rainy; mainly fair to-morrow; very mild, then less mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind westerly, strong decreasing fresh to moderate; bright periods; showers; rather mild becoming colder.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotland. B. N.W. Scotland. land.	Wind westerly or variable, light, becoming westerly fresh to strong on coast; cloudy or dull, occasional rain; fair periods to-morrow; rather mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southwest strong to gale, veering west; dull, rainy; fair periods to-morrow; mild.
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 deepening depression over Denmark is moving away eastwards. A new depression from the Atlantic will cross the country moving rapidly eastnortheast causing an early renewal of stormy conditions with gales over the Southern half of the country. In the extreme north there will be showers and bright intervals.

FURTHER OUTLOOK.

Probably continuing stormy in the South; mainly mild generally.

South Cone hoisted in districts 6-13 and 19 103ch. 30/11/39
" " " Dagger Bank 1840h. 29/11/39

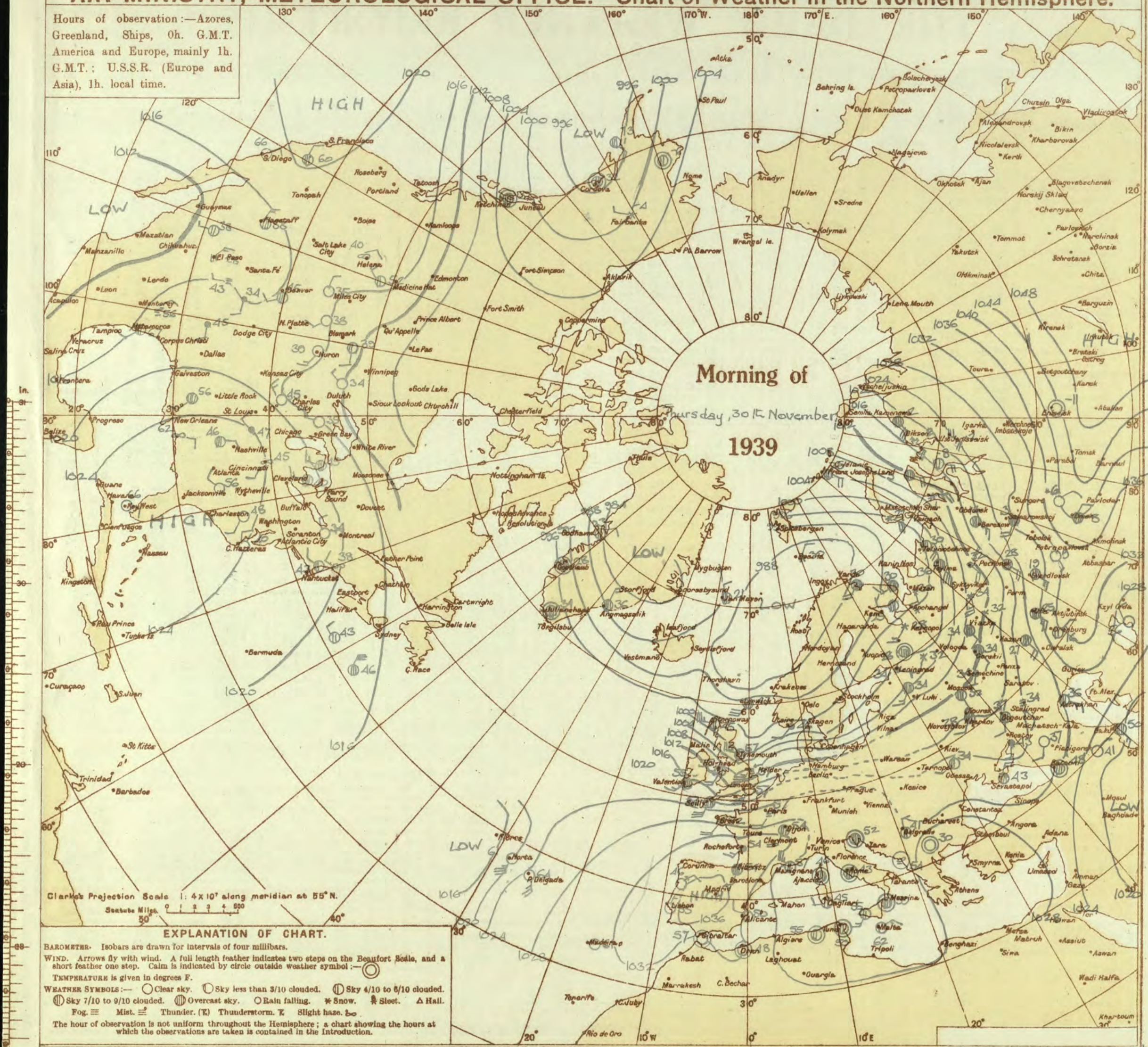
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

Forecasts issued at
H.M.S.O. Press, Cornwall House, S.E. 1. 11.00 G.M.T.

6.473/3797.116.8109.0.46260.249.05110.11/3.

















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.



Clark's Projection Scale 1:4x10⁷ along meridian at 55°N.
 Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. 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.
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.  Hail.  Fog.  Mist.  Thunder.  Thunderstorm.  Slight haze.  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
Thursday 30th November 1939
No. 28497

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.		Weather.	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine 28th Hrs. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Direc. (17)			Force. (18)	Form. (23)					Amount. (24)	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. or Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (St. Hmtn.) ... Lympe ... Manston ...	18 217 226 417 8 346 154	* 1017.6 1017.3 1017.9 1019.2 1018.2 1016.6	* -2 +6 +2 0 -18 -16	* SWW SWW SW WSW WSW WSW	* 5 5 5 5 5 6	* 57 58 55 54 53 53 54	* 92 97 97 97 96 97 97	* 6 5 5 5 5 6 6	* 5 5 5 5 5 6 6	* 5 5 5 5 5 6 6	* 5 5 5 5 5 6 6	* 5 5 5 5 5 6 6	* 5 5 5 5 5 6 6	1017.3 1018.1 1018.1 1018.3 1019.2 1019.2 1018.3	+12 +8 +10 +4 +2 +2 +14	WSW WSW SW WSW WSW WSW W	3 4 4 4 5 5 4	d.do id id rofo d.do d.do id	55 57 56 56 58 54 55	52 37 52 37 57 57 57	6 6 6 6 6 5 6	5 6 6 6 6 6 6	2 - - 2 2 - 2	- - - - - - -	7-8 10 10 9 9 10 7-8	10 10 10 10 10 10 10	1500 800 1500 1500 800 800 800	1 1 1 1 1 1 1	* * * * * * *	58 58 58 67 57 54 50	54 54 54 54 53 52 51	54 54 53 52 52 52 51	Tr - Tr 0.1 Tr 0.1 0.1	1 - - 2 0.6 0.1 0.1	0.3 0.0 0.2 0.0 0.1 0.0 1.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	11 15 5 19 240	* 1014.0 1011.8 1012.4 1010.0	* -14 -20 -14 -6	* SW SWW SWW SW	* 5 5 5 5	* 51 52 58 56	* 97 85 85 92	* 6 6 6 6	* 5 5 5 5	* 5 5 5 5	* 5 5 5 5	* 5 5 5 5	* 5 5 5 5	1017.7 1015.9 1014.3 1015.5 1013.8	+18 +22 +22 +22 +26	WSW WSW SWW WSW W	2 3 2 4 3	rofo 1D rofo rofo z	55 57 57 56 54	57 57 85 92 97	4 5 6 7 6	5 5 8 9 5	- - 2 2 3	- - - - -	10 10 7-8 9+ 9+	10 800 2500 1500 1500	1 1 1 1 1	* * * * *	57 58 58 59 50	54 51 52 54 50	50 51 52 51 50	Tr 0.2 4 0.2 0.3	0.6 2 1 0.3 4	1.0 2.6 * 2.3 2.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
3	Birmingham ... Upper Heyford ... Ross-on-Wye ...	535 408 223	* 1015.4 *	* 0 *	* SWW *	* 5 *	* 55 55	* 92 92	* 6 6	* 5 5	* 5 5	* 5 5	* 5 5	* 5 5	1016.0 1016.7 1017.3	+8 +10 +10	W W SW	3 1 3	C rofo rofo	54 54 55	85 92 92	7 8 8	5 5 5	7 7 2	- - -	2-3 7-8 2-3	7-8 800 1500	1 1 1	* * *	58 56 60	53 53 54	52 49 53	1 Tr 0.1	5 0.5 0.2	0.0 * 1.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
5	Hartland Point ... Bristol ... Portland Bill ... Plymouth ... The Lizard ... Scilly (St. Mary's) ... Guernsey ...	299 209 32 82 240 163 175	1016.6 1017.2 1018.6 1020.3 1021.9 1020.6 1023.1	0 -6 -6 0 0 -6 +2	WSW SSW WSW SW WSW SWW SWW	6 6 6 6 6 6 5	54 56 54 55 55 54 55	97 92 92 96 97 97 97	6 6 7 6 4 6 6	5 6 5 5 5 5 8	- - - - - - -	- - - - - - -	- - - - - - -	1018.2 1019.0 1019.9 1021.2 1022.7 1021.9 1024.1	+14 +12 +12 +6 +6 +8 +6	W WSW W SWW SWW SWW SWW	7 6 6 6 7 6 4	df rofo o dd if o o	54 55 55 55 54 57 55	97 97 92 97 97 97 97	3 6 6 7 3 3 6	- 2 - 6 5 5 -	- - - - - - -	10 10 10 10 10 10 10	800 800 2500 800 800 1500 1500	1 2 1 1 1 1 1	4 * 5 4 4 4 4	53 56 56 57 54 53 56	52 54 53 53 * 53 54	52 53 53 * * 53 53	1 2 - 0.4 Tr 0.2 0.2	5 6 1 1 Tr 1 1	0.0 0.0 * 0.0 0.0 0.0 0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
6	Pembroke ... Holyhead ... Chester (Sealand) ... Manchester ...	142 26 16 70	1015.8 1011.2 1010.0 1010.4	+10 +24 +16 +12	W SW WS WSW	7 4 4 4	55 55 58 55	97 97 85 92	6 7 8 6	5 6 5 5	- - 7 2	- - 7 -	- - 7-8 7-8	1018.0 1016.2 1015.9 1015.5	+16 +22 +24 +38	WN WNW WN WS	4 3 3 3	rofo C C bc	54 51 51 46	57 75 75 52	5 8 8 7	5 5 3 5	- - 3 -	- - - -	10 9 2-3 2-3	10 2500 4000 4000	1 1 1 2	3 * * *	55 56 62 57	58 51 43 45	50 46 36 36	1 - 0.2 0.2	0.4 2 1 1	0.0 0.3 2.3 0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
10	Spurn Head ... Catterick ... Tyneworth ...	29 175 108	1006.3 1003.8 1002.0	-14 +4 -14	WSW WS W	5 6 5	55 56 57	85 85 75	7 8 7	5 1 8	- - -	- - -	10 4-6 9+	1012.4 1013.1 1012.4	+28 +42 +40	WNW NNW W	5 1 4	cg bc C	50 47 47	75 75 75	7 8 7	5 5 5	4 7 2	- 5 -	- - -	4-6 4-6 4-6	7-8 2500 2500	1 1 1	4 * 2	55 58 56	50 46 47	50 36 40	1 - -	0.4 2 0.6	2.1 2.8 *																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
11	St. Abbs Head ... Leuchars ... Renfrew (Abbots) ... Eskdalemuir ... Point of Ayre ...	280 36 19 794 30	993.0 1004.5 * * 1007.4	0 +34 * * +32	W W * * W	7 5 5 5 5	55 49 * * 55	85 75 * * 92	8 7 5 * 8	8 5 5 * 8	6 7 5 * 1	- - - - -	2-3 4-6 * * 7-8	1009.0 1009.5 1011.7 1012.3 1014.7	+46 +50 +22 +40 +34	WNW WSW WS S NW	5 3 3 2 3	C bc bc C bc	47 44 47 44 48	75 75 73 65 85	8 8 5 8 8	5 7 5 5 5	1 7 - 6 -	1 - - 2-3 2-3	4-6 2-3 4-6 7-8 2-3	1500 4000 2500 1500 2500	0 1 1 1 1	4 * * * 3	52 53 52 51 55	42 44 44 42 48	38 37 * * 48	0.3 1 1 0.4 0.4	2 4 7 2 2	0.2 0.2 * * 2.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
13A	Tiree ... Stornoway ... Dalwhinnie ... Aberdeen ... Wick ... Lerwick ...	22 80 1178 79 81 156	* 998.1 * * 995.9 991.5	* +38 * * +8 -4	* W W * WSW SW	* 7 7 * 4 6	* 45 * * 47 47	* 75 * * 92 92	* 8 8 * 7 6	* 5 5 * 7 6	* 7 7 * 7 2	* - - - +6 -4	* 4-6 * * 7-8 4-6	1010.9 1005.3 1005.0 1006.1 1002.4 994.2	+22 +30 +34 +30 +30 +28	WNW W W W WSW W	4 6 4 4 6 8	bc bc bc b bc pt	48 45 39 44 42 43	85 75 75 65 85 85	8 8 8 7 7 8	8 8 6 5 5 7	- - - Tr 4 -	- - - Tr 4 -	4-6 4-6 4-6 Tr 4-6 4-6	2500 2500 4000 4000 1500 800	0 1 1 1 2 1	3 3 18 47 52 50	32 31 38 33 41 42	45 * 33 34 * *	40 1 0.5 1 3 5	1 10 5 1 1 4	0.0 0.1 1.0 2.8 * 0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
17	Blackod Point ... Malin Head ... Aldergrove ...	18 84 268	1012.2 1008.0 1009.0	+26 +42 +44	W NW WS	3 5 4	51 43 49	75 75 75	8 2 5	5 8 5	- - -	- - -	0 2-3 10	1015.5 1013.1 1014.9	+10 +20 +26	- W SW	0 4 3	C C b	47 48 43	85 85 85	8 8 7	5 4 5	- 7 -	- - -	10 2-3 1	10 7-8 4000	1500 4000 4000	0 1 1	3 4 *	57 53 53	44 45 41	44 * 31	3 3 1	Tr 2 1	0.0 1.4 1.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
19	Birr Castle ... Valentia Obsy. ... Roches Point ...	173 30 22	1013.0 1015.4 1015.2	+2 +10 +6	WSW WSW W	2 3 3	51 55 55	92 97 97	8 6 6	5 6 2	- - -	- - -	9 7-8 4-6	1016.5 1017.2 1017.7	+14 +2 +4	SSW NW WSW	1 1 2	id rofo dr	49 50 54	92 97 97	7 6 5	5 5 5	- - -	- - -	10 10 10	2500 - 450	1 1 1	3 4 4	57 57 57	49 50 52	47 48 *	2 3 1	0.0 0.0 *																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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.		Weather		Temperature.		Rainfall.		Sun-shine to Sunset hrs.		Humidity.		Atmospheric Pollution.		EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
										Morning. Afternoon. Night.		Day Max. Night Min. Min. on Grass °F.		Day. Night.		Yester-day. To-day.		Milligrams of Solid Impurity per cubic metre.		COLUMNS 2, 16.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
										24 hrs. ended 9h.		°F. °F. °F.		mm. mm.				24 hrs. ended 7h. G.M.T.		The barometric tendency is expressed in tenths of a millibar.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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																				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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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FOREIGN OBSERVATIONS.		18h. G.M.T. 29th November		7h. G.M.T. 30th November		Past 24 Hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungeness.

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

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