

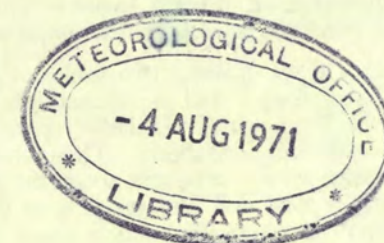
DUPLICATE

# THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1940



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





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

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

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

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

*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.

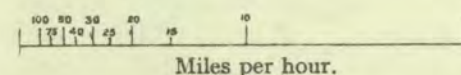
The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper 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 × 10<sup>7</sup> Charts.  
or 2 mb " " 1:10<sup>7</sup> " "



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 from 0 to 19; 25, between 20 and 29; .....and so on; 92, from 90 to 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.

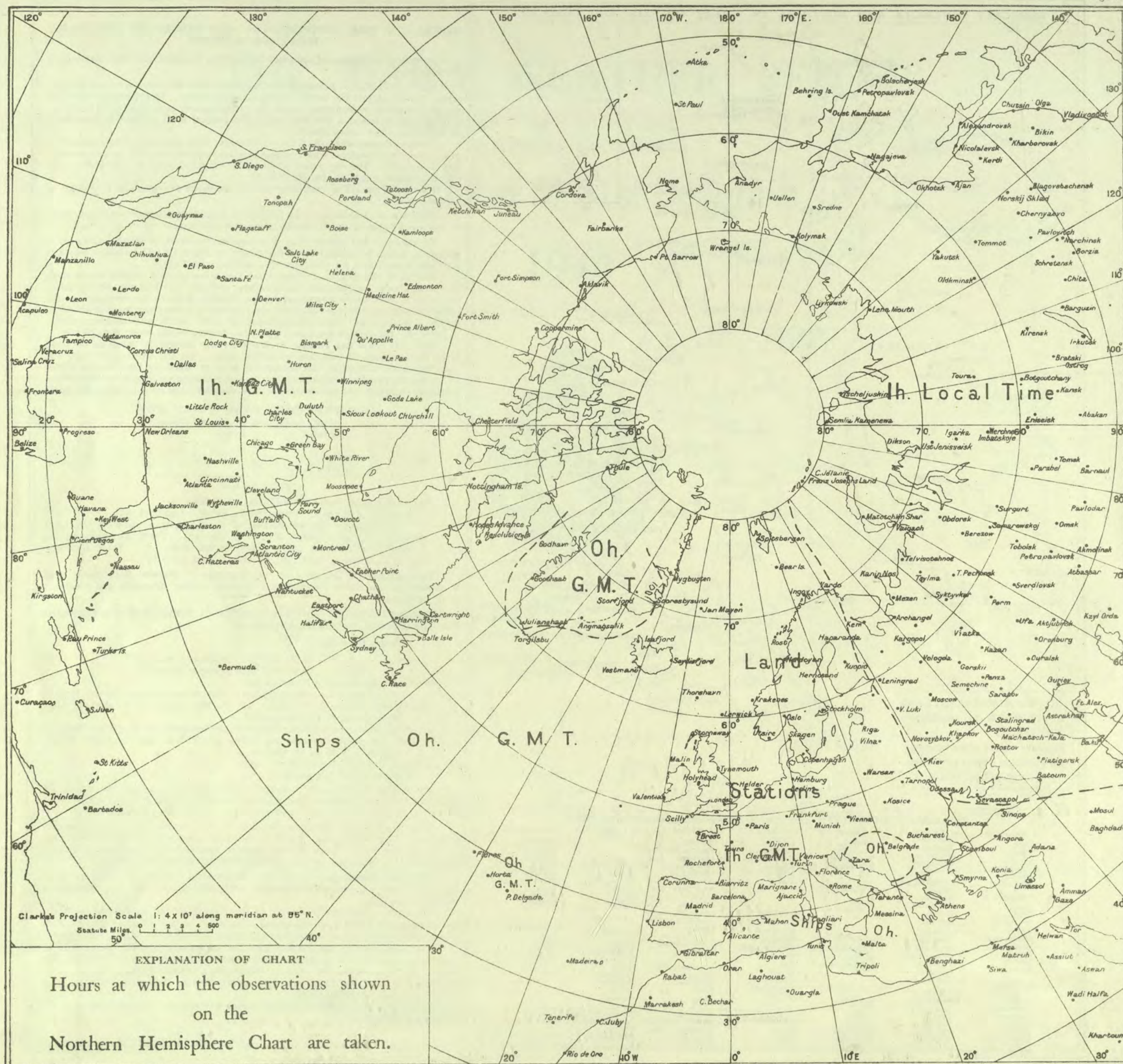
**Adjusted Readings.**—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

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.







# 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 Auxiliary Stations the positions of which are shown in the Map on p. III.

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

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

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

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

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

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

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

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W.	6h. or 7h. G.M.T. (Azores 8h.).
40° W. to 170° W.	0h. or 1h. G.M.T.

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

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	1h. local time.
30° E. to 170° W.	0h. or 1h. G.M.T.

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

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

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

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

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

## THE INTERNATIONAL AND UPPER AIR SECTIONS.

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

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

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

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

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

## THE BEAUFORT SCALE OF WIND FORCE

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

\* Note—The public issue of Gale Warnings is suspended for the duration of the war.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY  
SUPPLEMENT,  
November 1940 No. 287...

Page 1.

Wet and stormy, becoming more settled, and colder in the South.

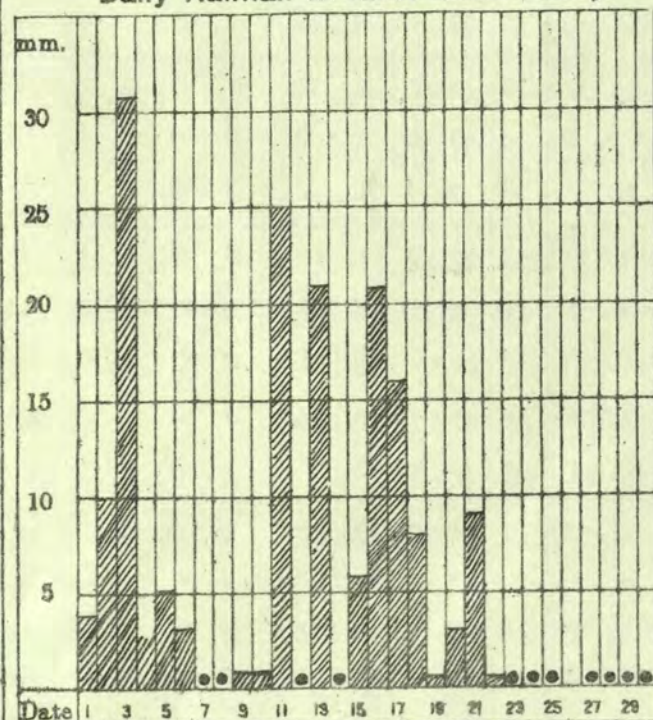
During the first three weeks of the month the country as a whole was under the influence of a succession of complex, low pressure systems. Prevailing conditions were unsettled and rather mild but there were some brief fair periods associated with feeble ridges of high pressure moving quickly eastwards. On the 22nd the Azores anticyclone began to extend northeast giving more settled but colder weather in the South.

A feature of the month's weather was the prevalence of strong, squally winds and few places escaped Southerly gales. Persistently stormy conditions were experienced in the West and North. Scattered thunderstorms occurred in England and Wales and more frequently in North Scotland, while in many widely separated districts rainfall totals exceeded previous records by substantial amounts. In the North, Aberdeen with 184mm was 20mm above the previous highest in 1872 and locally in Southeast England records were exceeded by as much as 30%.

Snow was reported on several occasions from Scotland and on the night of the 13th-14th there were slight falls in Southern England.

Sunshine totals in Scotland were well below average and Leuchars had the dullest November on record. In the South and Southeast recorded amounts were generally above normal, mainly due to the anticyclonic conditions at the end of the month. During this period night fog and ground frosts were common inland in England and Wales.

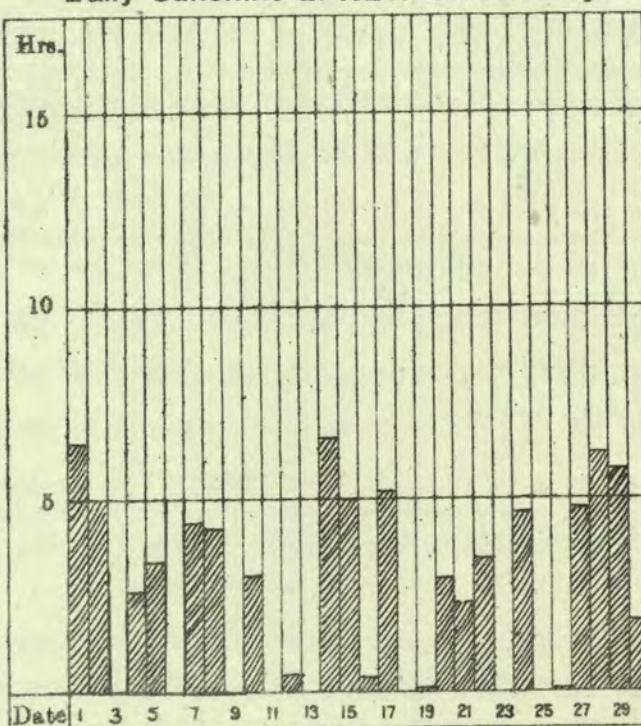
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

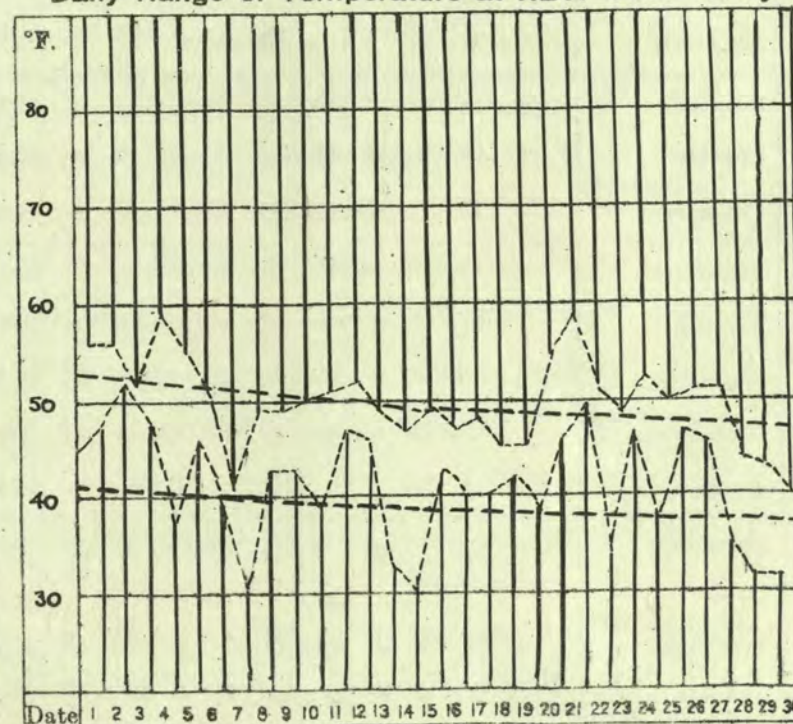
RAINFALL Total for Month. 172 mm.

Daily Sunshine at KEW Observatory



SUNSHINE Total for Month. 77 hrs.

Daily Range of Temperature at KEW Observatory.



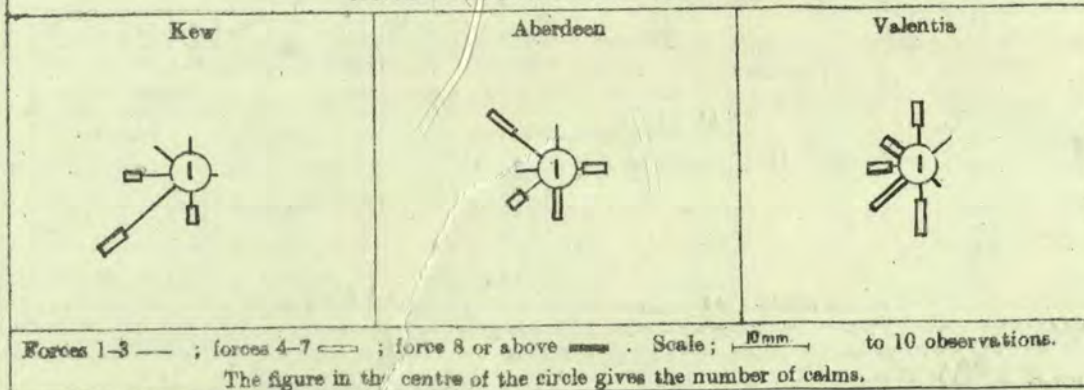
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.\*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1007.5	mb. -7.1	°F. 45.6	°F. +1.3
Aberdeen	1000.7	-9.1	42.5	+0.2
Valentia	1007.1	-5.7	48.8	+1.3

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

WIND FREQUENCIES AT 7 hr.



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

	miles.
Kew	7659
Aberdeen	6145
Lerwick	14269
Valentia	10866



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.														
		33°-41°	42°-50°	51°-59°	60°-68°		23° or below	24°-32°	33°-41°	42°-50°		51°-59°	Highest Max.	Lowest Max.	Highest Min.		Lowest Min.	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.				
1	London (Kew Obsy).	1	14	15	0	48.6	0	4	10	15	1	40.0	59	4	40	30	52	3	30	15	12	3	23	0	0	27	0	1	23	0	0	3	2	0	5	0	0	1	0	12
	Croydon	1	10	17	2	49.1	0	3	13	13	1	39.4	61	4	41	30	52	3	25	30	3	6	10	0	2	21	0	5	17	0	0	0	2	3	5	0	0	1	2	8
	Calshot** (Southampton)	0	7	22	1	50.1	0	1	12	15	2	41.5	60	1	43	30	56	3	31	30	3	6	19	1	5	22	0	8	13	1	0	0	2	0	11	0	0	1	0	21
	Lymington	0	14	16	0	47.9	0	4	12	12	2	39.4	58	4	42	28	55	3	40	29	11	7	19	0	6	19	1	9	13	1	0	1	1	1	17	0	0	1	0	23
2	Shoeburyness	0	11	17	2	49.2	0	1	12	17	0	39.0	61	4	43	30	50	2	30	30	9	5	13	2	4	19	0	2	16	2	0	0	3	3	10	0	0	0	0	16
	Gorleston	0	16	14	0	48.6	0	0	11	19	0	40.8	58	21	42	28	50	2	34	28	3	2	23	0	1	23	0	4	20	0	0	1	0	0	5	0	0	0	1	13
	Cranwell	2	21	7	0	47.1	0	3	15	12	0	37.1	56	1	41	30	45	2	30	30	6	7	16	0	5	15	1	5	16	0	0	2	2	3	1	0	0	1	1	10
3	Birmingham (Edgbaston)	2	22	6	0	46.9	0	1	18	11	0	39.0	55	2	40	28	45	2	31	30	6	9	7	0	7	17	1	8	15	1	0	0	7	2	9	0	0	1	3	12
4	Ross-on-Wye	1	16	13	0	48.4	0	2	11	17	0	39.0	56	2	36	30	49	2	24	30	9	1	23	0	2	26	0	5	25	0	0	0	1	1	22	0	0	0	2	20
5	The Lizard	0	9	21	0	*	0	0	4	22	4	*	58	3	45	29	55	3	38	28	*	2	28	0	1	29	0	4	26	0	0	0	0	0	26	0	0	1	0	26
7	Holyhead	0	14	16	0	49.7	0	0	2	27	1	44.4	57	2	47	28	51	2	40	15	0	3	27	0	2	27	0	1	28	0	0	0	0	0	25	0	0	0	0	22
8	Chester (Sealand)	1	18	11	0	48.3	0	2	11	16	1	38.2	59	2	39	30	52	2	29	30	5	0	27	1	4	23	1	1	27	1	0	0	0	1	9	0	0	0	1	14
10	Tynemouth	0	23	7	0	47.5	0	0	11	18	1	40.4	58	2	43	29	51	2	33	30	0	0	28	0	0	28	0	0	28	0	0	0	1	1	7	0	0	1	2	10
11	Leuchars	0	23	7	0	46.7	0	4	17	9	0	36.3	57	1	42	11	50	2	30	16	14	2	25	0	3	25	0	4	21	0	0	0	0	1	21	0	0	0	1	21
12	Renfrew	1	22	7	0	46.1	0	5	12	12	1	36.1	53	2	37	15	51	2	27	15	12	1	27	1	1	28	1	1	24	2	0	0	0	4	14	0	0	2	0	20
	Eskdalemuir	5	24	1	0	43.9	1	6	19	4	0	34.3	53	2	37	15	47	2	21	15	11	14	13	0	8	20	0	13	13	0	0	1	0	0	18	0	0	0	0	23
13	Stormoway	1	23	6	0	47.2	0	1	18	11	0	39.6	55	25	41	15	50	2	31	15	*	2	28	0	1	29	0	1	29	0	0	0	0	0	26	0	0	0	0	27
15	Aberdeen	3	23	4	0	46.2	0	5	18	6	1	38.3	55	1	39	5	51	2	29	5	8	0	27	1	1	26	0	1	25	1	0	0	1	0	15	0	0	1	0	16
18	Aldergrove	0	23	7	0	*	0	4	17	9	0	*	57	2	43	27	50	2	28	15	12	1	25	1	4	24	0	0	27	0	0	0	0	0	27	0	0	0	0	29
19	Dublin (Phoenix Park)					49.8						36.9										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Birr Castle	1	14	15	0	48.6	0	5	15	10	0	38.2	59	2	37	17	50	2	27	28	10	0	27	0	0	28	0	1	21	0	0	0	0	0	30	0	0	1	0	29
20	Valentia (Cahirciveen)	0	9	21	0	51.2	0	2	4	21	3	43.7	58	2	45	29	52	2	30	29	2	1	29	0	4	25	0	2	28	0	0	0	0	0	29	0	0	0	0	23
UPPER AIR TEMPERATURE.												UPPER WINDS. No. of records of Velocity (km./hr.) within fixed limits.																												
Pressure. mb.	Normal Height. Feet.	MILDENHALL.		ALDERGROVE.		STATION		LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD.						RENFREW.						STATION.								
		Normal Temp. °F.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Height. Metres.						
950	1740	42.0	43.0	60	43.2	60		500 above ground.	46	3	21	16	5	0	37	7	26	4	0	0	28	8	15	2	0	3	64	17	37	10	0	0	500 above ground.							
850	4960	34.2	34.3	60	33.5	60		1000 above M.S.L.	38	3	17	12	5	1	24	4	13	7	0	0	21	9	11	0	0	0	44	13	23	6	1	0	1000 above M.S.L.							
750	7930	25.3	25.3	60	24.9	60		2000 "	22	4	7	6	4	1	10	2	5	3	0	0	10	2	8	0	0	0	13	4	7	2	0	0	2000 "							
650	11620	14.2	14.5	60	13.5	60		3000 "	9	1	4	4	0	0	4	1	2	1	0	0	3	0	1	2	0	0	7	2	0	1	1	0	3000 "							
550	15750	0.3	-0.1	60	-0.8	60		4000 "	6	1	0	5	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4000 "							
† The readings and averages used, are, except in the case of Phoenix Park, the maximum for the period 7 h.-18 h., and the minimum for the period 18 h.-7 h. The readings and averages for Phoenix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).												* Winds of 0-5 km./hr. are included in the number of observations. METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2. N. K. JOHNSON D.Sc., A.R.C.S., Director.																												



# SUNSHINE, RAINFALL, AND HUMIDITY

November

1940

Page 3.

DISTRICT.	STATIONS.	SUNSHINE.												RAINFALL.												Days with Thunder.	Days with Snow or Sleet.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Number of Days with Duration.				Maximum Duration.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.			† Number of days with amount.	Maximum fall in 24 hrs.	Total for past 12 months.	Difference from Average.	Total for Month.†	Difference from Average.	Highest and Lowest Totals on record for Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Nil.	0-1-3h.	3-1-6h.	6-1-9h.						Above 9h.	Hours.	Date.							First year of record.	Highest. Year.	Lowest. Year.	0, trace or 0-1 mm.	0-2-1 mm.	1-1-5 mm.			5-1-15 mm.	15-1-25 mm.	Above 25 mm.	mm.	Date.	mm. mm.	mm. mm.	mm. mm.	First year of record.	Highest. Year.	Lowest. Year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

## MINIMUM SURFACE HUMIDITY.

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

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	2	5	10	10	2	1	0	0	0
Ross-on-Wye	0	1	6	12	8	3	0	0	0	0
Falmouth (Obsy.)	1	5	16	8	0	0	0	0	0	0
Renfrew	0	0	9	18	3	0	0	0	0	0
Eskdalemuir	0	0	8	12	6	4	0	0	0	0
Aberdeen	0	3	4	15	8	0	0	0	0	0
Valentia	0	2	5	12	8	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	29	1	0	0	0	0	0	0	0	2 Flooded.
Eskdalemuir	0	28	0	2	0	0	0	0	0	0	3 Frozen hard and dry.
Aberdeen	0	30	0	0	0	0	0	0	0	0	4 Partly covered with snow or hail.
Valentia	3	27	0	0	0	0	0	0	0	0	5 Covered with ice or glazed frost.
											6 Covered with thawing snow.
											7 Covered with snow, less than 6 ins., but ground not frozen.
											8 Covered with snow, less than 6 ins., and ground frozen.
											9 Covered with snow, greater than 6 ins. deep.

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

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

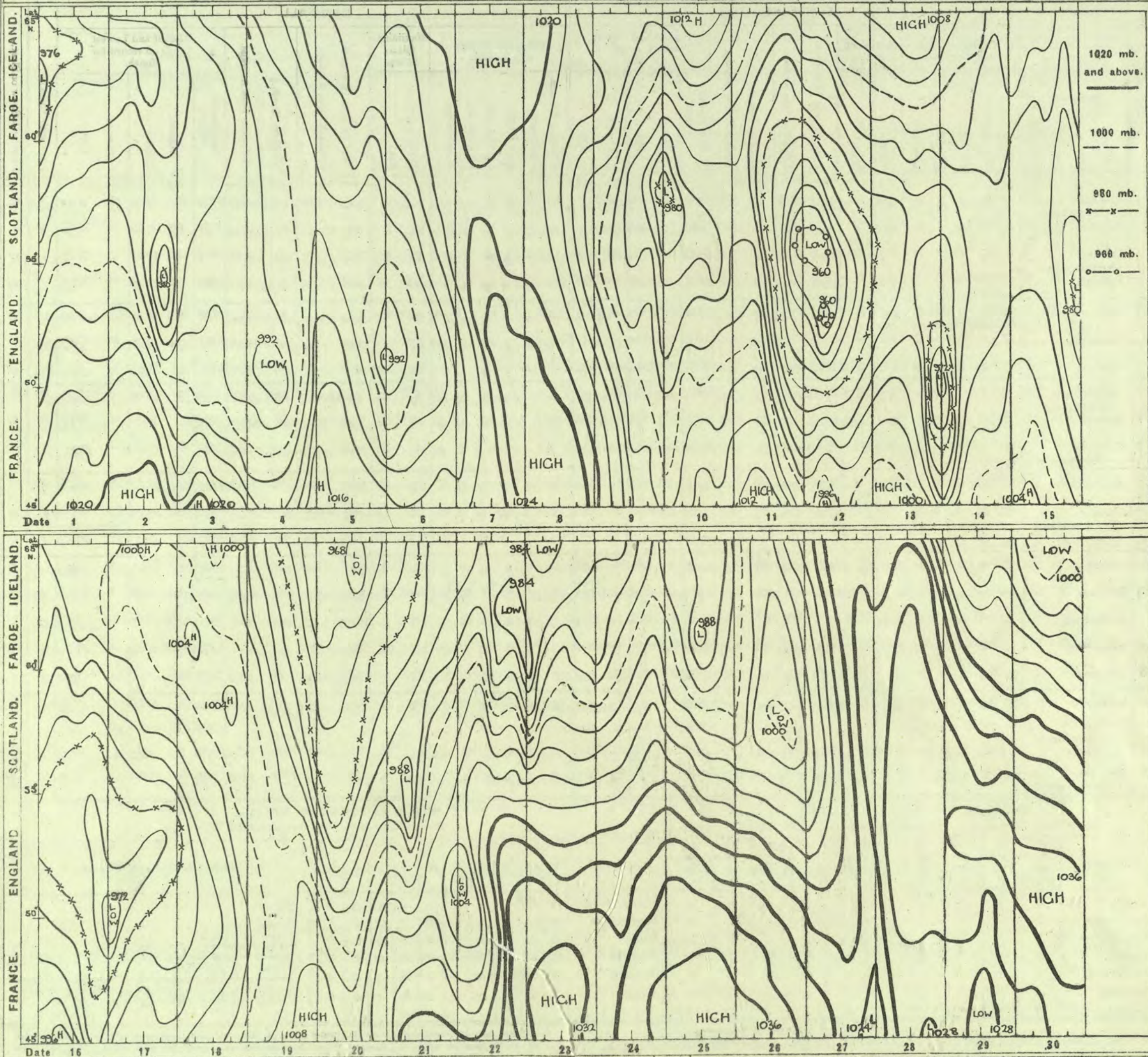


## PRESSURE: ICELAND TO GULF OF LIONS

November

1940

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 East. 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.

 BRITISH SECTION  
 Friday, 1st November 1940.  
 No. 28834.

OBSERVATIONS at 13h. G.M.T. 31st October														OBSERVATIONS at 18h. G.M.T. 31st October														PAST 24 HOURS.					
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Barom. at M.S.L. mb. (28)	Change in 3 hours. (29)	Sea. 0-9 (30)	WEATHER.						
				Dir.	Force. 0-12 (4)				Form.	Amount. Low 0-10 Total 0-10 (11) (12)	Height of Base. (feet) (14)	Dir.			Force. 0-12 (18)	Form.				Amount. Low 0-10 Total 0-10 (23) (24)	Height of Base. (feet) (26)	7h.—18h. ... 31st ... (37)	18h.—18h. ... 31st ... (38)				18h.—1st ... 1st ... (39)	1h.—7h. ... 1st ... (40)					
1	London (Kew)...	999.1	-60	SE	5	56	92	6	5	-	10	10	1500	992.8	-12	SW	6	58	92	5	5	-	7-8	7-8	800	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Croydon ...	998.8	-74	SE	5	56	92	6	6	2	-	9	10	700	992.8	-24	SW	5	58	97	5	6	2	-	9	10	500	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	S. Farnborough	1000.2	-58	SE	2	56	92	6	6	7	-	9	10	900	994.2	-2	SW	6	59	85	7	5	-	4-6	4-6	700	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Boscombe Down	995.9	-82	SW	7	56	97	5	6	2	-	9	10	800	995.6	+30	W	6	52	85	7	5	-	2-3	2-3	1200	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Calshot (Soton.)	999.0	-72	SW	7	50	97	6	6	-	10	10	300	996.2	+14	WSW	4	57	97	6	1	-	-	-	2000	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Lymington	1006.3	-30	S	3	54	92	5	6	-	10	10	200	997.3	-40	S	7	56	97	4	6	-	10	10	100	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Manston	1004.5	-30	S	5	54	97	6	6	-	10	10	800	995.4	-42	SW	8	57	97	4	6	-	10	10	100	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
2	Shoeburyness ...	1003.8	-36	SE	4	55	97	7	3	2	-	4-6	10	2500	998.7	-34	SW	6	57	97	6	6	2	-	7-8	10	450	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	Felixstowe ...	1003.3	-28	SW	4	53	97	5	3	2	-	2-3	10	1200	992.3	-60	SW	7	55	97	5	5	-	10	10	800	1	5	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Gorleston ...	1003.2	-24	SSW	4	55	92	6	6	-	10	10	1500	990.8	-70	SSW	7	54	92	6	6	-	10	10	800	1	4	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Mildenhall ...	1000.4	-32	SE	4	55	85	6	5	7	-	7-8	10	1200	988.3	-56	SSW	6	57	97	6	6	2	-	4-6	10	700	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	Cranwell ...	998.0	-42	SSW	5	53	92	5	6	-	10	10	1000	987.4	-10	NW	8	50	97	5	6	-	10	10	200	2	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
3	Birmingham ...	995.7	-56	ESE	2	51	97	5	6	-	10	10	450	992.9	+30	WNW	5	48	85	8	6	-	10	10	800	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Upper Heyford	997.6	-64	SE	3	52	97	6	6	2	-	7-8	10	800	993.0	+24	WNW	7	52	85	9	6	-	7-8	7-8	700	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
4	Ross-on-Wye ...	991.3	-94	SE	4	53	97	6	6	-	10	10	800	996.0	+70	W	4	50	75	8	5	-	4-6	4-6	2500	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
5	Hartland Point ...	986.8	-128	SSW	8	57	97	7	6	2	-	9	10	1500	1000.7	+94	WNW	5	52	75	8	5	-	1	1	1500	1	4	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Bristol ...	994.1	-90	SSW	4	56	97	6	6	2	-	9	10	600	997.1	+62	WNW	4	51	85	8	2	-	1	1	2000	1	5	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Portland Bill ...	997.1	-80	SW	6	56	92	6	5	-	10	10	1500	993.5	+48	W	6	50	92	7	5	-	3	3	2500	1	5	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Plymouth ...	994.1	-82	SW	7	57	97	5	6	2	-	7-8	10	100	1001.8	+82	NW	6	51	85	6	5	-	1	1	1200	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	The Lizard ...	992.3	-40	SSW	8	58	97	5	6	-	10	10	1000	1004.0	+16	WNW	5	51	85	8	8	-	4-6	4-6	2500	1	4	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Scilly (St. Mary's)	990.8	-52	SW	7	58	97	6	6	-	10	10	500	1003.6	+68	WNW	5	52	85	8	8	4	-	4-6	4-6	1000	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Guernsey ...	988.0	-60	ESE	6	52	97	4	5	-	10	10	1500	998.8	+52	WNW	6	53	85	8	6	-	4-6	4-6	1000	1	4	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
6	Pembroke ...	993.6	-24	SSW	2	51	92	6	-	2	-	10	10	1400	995.2	+30	W	5	52	85	7	2	4	-	7-8	7-8	2500	1	2	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
7	Holyhead ...	994.8	-32	SE	3	52	92	6	-	2	-	10	10	1500	993.8	+30	WNW	4	47	85	7	5	3	-	7-8	7-8	2800	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
8	Chester (Sealand)	995.7	-34	SE	3	52	92	6	6	2	-	10	10	1000	992.5	+14	WNW	4	47	92	5	3	-	4-6	4-6	2500	2	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Manchester ...	995.7	-34	SE	3	52	92	6	6	2	-	10	10	1000	992.5	+14	WNW	4	47	92	5	3	-	4-6	4-6	2500	2	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
10	Spurn Head ...	998.7	-18	SSE	3	51	97	6	6	-	10	10	1500	992.5	-70	SSE	7	54	97	6	6	-	9	9	450	2	4	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
	Catterick ...	995.7	-20	SSW	3	54	85	5	5	2	-	2-3	10	1500	991.9	-10	WNW	2	47	97	4	5	-	10	10	2000	1	2	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Tynemouth ...	995.7	-18	SSW	4	54	85	6	8	-	9	9	1400	993.4	-10	SW	1	49	92	5	-	2	-	10	10	1200	1	2	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
11	St. Abbs Head ...	991.3	-12	SW	5	53	75	8	4	7	8	2-3	9	2500	990.5	-2	SSW	3	49	85	8	4	2	-	4-6	9	2500	0	2	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	Leuchars ...	989.8	-12	SW	4	54	75	7	9	7	9	9	2500	990.1	+4	SSW	3	51	85	7	5	1	-	7-8	10	1500	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
12	Renfrew (Abbots L.)	990.6	-4	SW	4	53	75	8	9	7	3	7-8	9	1500	990.6	+6	WSW	3	50	92	7	5	7	-	7-8	9	2100	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	Eskdalemuir ...	992.1	-14	SW	5	51	85	6	5	-	10	10	800	991.3	-4	WSW	4	48	85	6	6	2	-	4-6	10	800	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Point of Ayre ...	993.0	-12	WS	3	53	85	7	8	2	-	7-8	10	1500	993.3	+16	WNW	5	52	85	8	8	-	4-6	4-6	2500	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
13a	Tiree ...	986.8	+6	SW	4	53	85	7	8	-	4-6	4-6	1500	990.3	+14	WSW	3	51	92	8	8	-	7-8	7-8	1500	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o		
13b	Stornoway ...	983.8	+12	SW	4	50	85	7	8	6	3	9	9	1200	986.9	+20	SW	4	49	92	7	8	6	-	4-6	7-8	1500	1	5	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
15	Dalwhinnie ...	988.9	+2	S	6	46	92	6	5	-	4-6	9	800	989.7	+14	SW	1	45	97	6	5	4	-	4-6	7-8	1500	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o	
	Aberdeen ...	989.2	-14	SW	3	53	75	6	7	7	-	4-6	7-8	2500	989.5	+2	SSW	3	51	85	6	5	7	-	2-3	4-6	2500	1	3	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
	Wick ...	985.8	-4	SSW	4	51	85	8	5	7	8	4-6	7-8	2500	986.9	+14	SW	3	49	92	7	5	7	8	4-6	9	2500	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
16	Lerwick ...	986.6	-12	SE	7	50	92	7	8	3	-	7-8	9	800	985.2	-4	SE	6	50	92	7	8	7	-	4-6	9	800	1	*	cr, r, m, o	cr, r, m, o	cr, r, m, o	b, c, m, o
17	Blackod Point...	992.9	+14	WSW	3	53	75	8																									



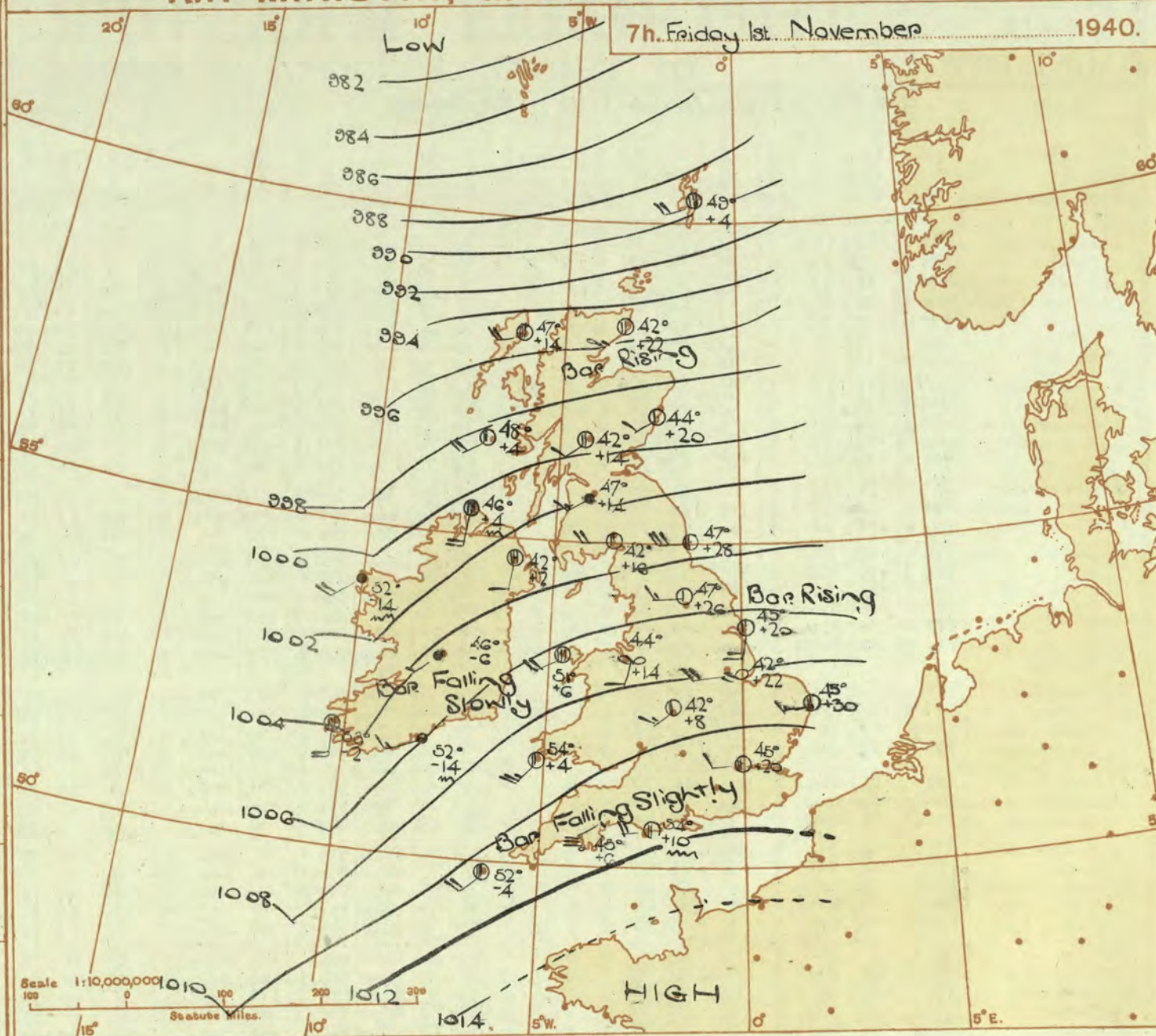
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

18h. G.M.T. 31st October 18h. G.M.T.				01h. G.M.T. 1st November 07h. G.M.T.								
III	C <sub>u</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>H</sub>	DDFWN			
109	50	01764	17515	87	25754	18384	80	01754	18584			
115	54	14254	120685	53	81854	55586	52	81744	55587			
203												
206	87	81055	20485	93	02964	26385		50	00953	00083		
210	27	02053	18524				5-	25954	54584	10	00961	20421
220												
230	9-	02747	16427	8-	25747	18387				9-	81736	55586
245	10	02752	53518				50	01764	24314	50	00861	22311
260	11	02753	53526	57	02764	18227	50	00761	24301	70	00841	20301
277	52	02742	18422	83	81866	23587	50	00851	22481	77	01841	20404
279				--	05648	16428						
285	9-	02748	24588	6-	64748	26568				20	01744	26314
288	52	05553	17428	02	67348	28168	04	00790	56421	10	00861	16101
278	16	01762	12485							33	01553	13305
301	42	64535	16268	27	22653	25366	20	00752	59512	90	02755	22415
321	6-	64528	18368	6-	62528	52568	40	01663	25413	03	05690	21302
299	62	22345	22568	6-	66428	30268	50	05643	22313	50	00752	24202
292	6-	62638	18368	6-	67338	24368	50	00852	55462	50	01844	22304
310	--	64628	20468	--	22428	32568				--	01633	20513
316	62	62524	17468	50	22544	24464	50	01653	24413	00	17590	20100
338	62	64415	04268	87	01752	28213	20	00752	24302	54	02955	00006
334	--	66758	20468								01764	22204
340				5-	02865	26465	50	00761	00001	53	01863	18204
130	62	64535	17468	62	62636	52668	00	00790	24660	50	01741	20401
336	--	64642	20468		02753	24566					01851	24412
350				5-	22827	50567				03	05690	18302
368												
379	6-	64518	14468	50	05644	55424	00	05690	20300	00	48109	22309
390	62	64547	14468	62	62536	50668	00	05500	20400	50	08463	20203
382	62	64645	12468	50	02734	26524				50	04762	00002
438	02	64428	22668							81	02742	24515
430	6-	64528	18568	62	62418	49768	50	01744	26314	03	01764	18304
409	62	62627	52568	10	00942	27512	50	00753	21413	54	05742	16312

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>u</sub>, C<sub>m</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 1st November 1940.



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

1 S.E. England	Moderate or fresh west to southwest wind; fair or fine at first, cloudy with some rain this evening, bright periods later; rather mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate or fresh southwest wind; cloudy, some rain at first, bright periods, and occasional showers later; rather mild.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 0-3
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	As 4-9
14 Mid Scotland	
15 N.E. Scotland	Moderate or fresh west to southwest wind; mainly cloudy, but some bright intervals; occasional rain; rather mild.
16 Orkneys and Shetlands	
17 N.W. Ireland	
18 N.E. Ireland	Moderate or fresh west to southwest wind; cloudy, some rain in east at first, bright periods, occasional showers later; rather mild.
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 low near Iceland and high over Southern Spain. A trough of low pressure near the west coast of Ireland will move east. Weather will be fair or fine in the east most of the day but rain in the west will spread eastwards reaching East England in the late evening.

FURTHER OUTLOOK.

Unsettled; west to southwest winds; rain at times.

Forecasts issued at 10.30 G.M.T.

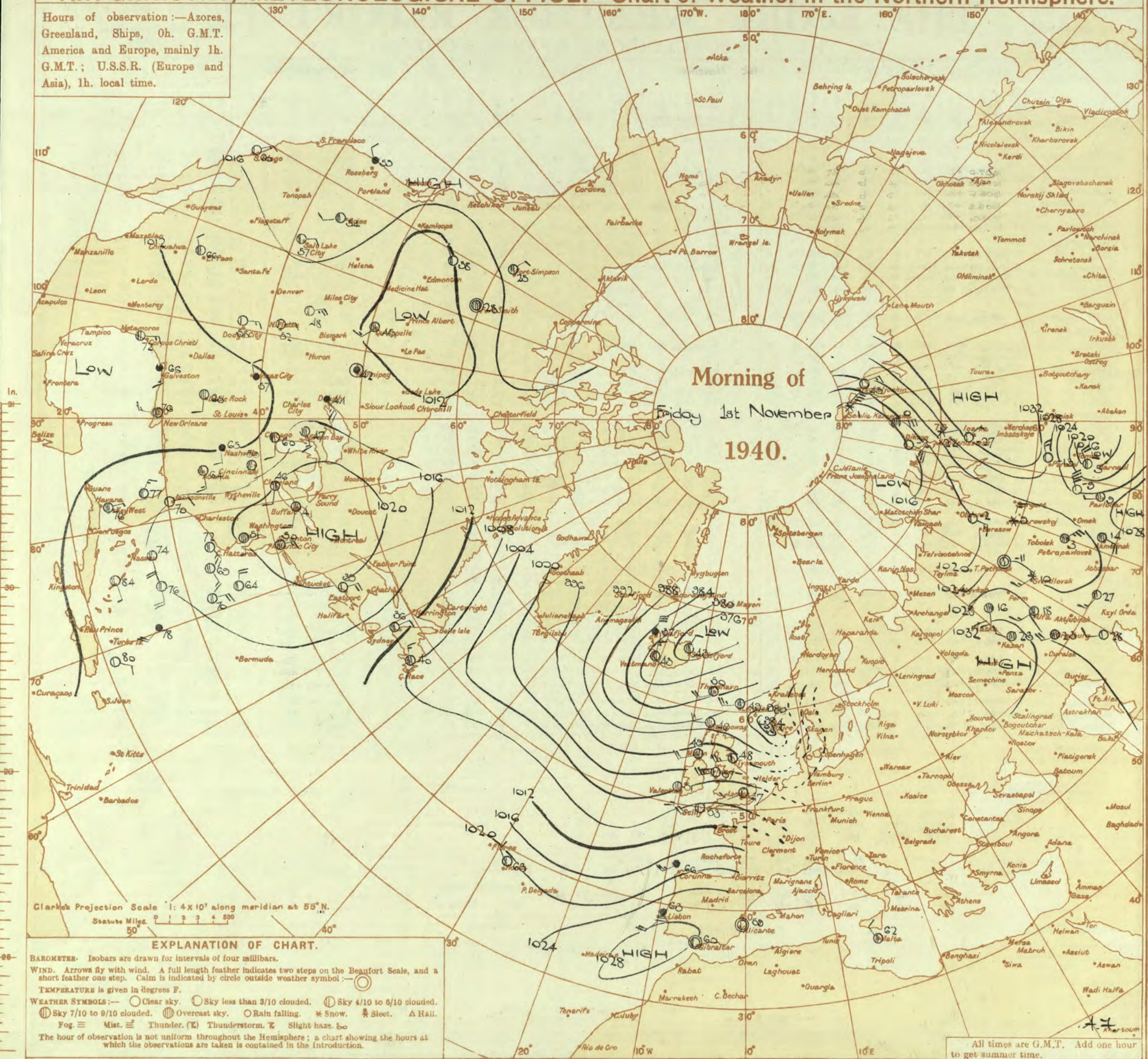
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.

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.



Clarke's Projection Scale 1: 4x10<sup>7</sup> 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. (T) Thunderstorm. T. Slight haze. &c.

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. 1st November														OBSERVATIONS at 7 hr. G.M.T. 1st November														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %.	Visibility.	Cloud.				Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %.	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.			Sunshine.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	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. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.	Total 24h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Saturday 2nd November 1940.  
No. 28835

OBSERVATIONS at 13h. G.M.T. 1st November														OBSERVATIONS at 18h. G.M.T. 1st 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)	Visib. 0-9 (8)	Cloud.			Barom. M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	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 0-10 (23)	Med. (24)			High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	7h.—13h. 1st. (37)	13h.—18h. 1st. (38)	18h.—1st. 2nd. (39)	1h.—7h. 2nd. (40)		
1	London (Kew)...	1011.9	-6	SW	W	3	55	65	7	7	-	5	4-6	7-8	2500	1010.2	-2	SW	S	4	53	85	7	5	-	2	4-6	7-8	1500	1	*	bcm, wbb	bccir, bcc	ccr, c	ccr, bcm
	Croydon ...	1011.7	-6	SW	1	1	59	55	7	1	-	4	4-6	4-6	3000	1010.7	-4	S	2	52	85	6	5	7	-	4-6	7-8	2000	0	*	bcc	bcc	bcc	bcc	
	S. Farnborough	1012.1	-2	SW	4	4	57	65	8	8	6	8	4-6	4-6	2500	1010.7	-2	SW	4	52	85	7	8	7	-	1	9	3000	1	*	bcc	bcc	bcc	bcc	
	Boscombe Down	1011.4	-8	SSW	3	3	52	75	8	2	7	8	4-6	7-8	2000	1009.9	-2	SW	4	51	92	7	5	7	-	2-3	9	2000	0	*	bcc	bcc	bcc	bcc	
	Calshot (Soton.)	1012.6	-2	WSW	3	3	58	75	8	3	4	7-8	9	1900	1011.2	-4	WSW	4	54	85	7	5	7	-	2-3	9	4000	1	2	bcc	bcc	bcc	bcc		
	Lymington	1013.6	-2	SSW	2	2	55	75	8	2	-	9	9	3000	1012.6	+6	-	0	49	97	7	5	-	-	4-6	4-6	5000	1	3	bcc	bcc	bcc	bcc		
	Manston	1012.3	-10	SW	3	3	57	65	8	2	3	6	2-3	7-8	2800	1011.0	-6	SSW	3	50	85	7	-	3	4	0	1	-	-	bcc	bcc	bcc	bcc		
2	Shoeburyness	1020.3	-6	SW	3	3	56	75	7	7	-	1	2-3	2-3	4000	1011.2	-6	SSW	4	51	85	8	4	4	-	2-3	4-6	5700	1	*	bcm, bcc	bcc	bcc	bcc	
	Felixstowe	1011.4	0	SW	3	3	56	75	6	1	-	5	2-3	4-6	2500	1009.7	-10	SSW	3	50	85	7	-	7	6	0	7-8	-	1	2	bcm, bcc	bcc	bcc	bcc	
	Gorleston	1011.0	0	WSW	3	3	56	65	7	-	4	-	0	2-3	-	1009.3	-10	SSW	3	52	75	6	-	7	-	0	7-8	-	0	2	bcc	bcc	bcc	bcc	
	Mildenhall	1010.7	-2	SW	3	3	57	65	7	1	-	2	2-3	4-6	2500	1008.7	-10	SW	4	54	75	7	5	2	-	7-8	10	3000	1	*	bcm, bcc	bcc	bcc	bcc	
	Cranwell	1009.3	-6	SW	3	3	54	75	7	5	7	5	2-3	7-8	2500	1007.4	-2	W	5	51	85	6	6	-	-	10	10	1100	1	*	bcm, bcc	bcc	bcc	bcc	
3	Birmingham	1008.8	-6	SSW	3	3	53	75	8	5	7	-	4-6	9+	2500	1007.4	-4	WSW	3	49	92	6	6	2	-	9	10	800	1	*	bcc	bcc	bcc	bcc	
	Upper Heyford	1010.7	-2	SW	3	3	56	65	8	7	5	9	2-3	7-8	3500	1009.1	-6	SW	4	51	85	7	5	7	-	6	2-3	7-8	2500	1	*	bcm, bcc	bcc	bcc	bcc
4	Ross-on-Wye	1009.3	-6	SSW	4	4	54	75	8	8	-	2	4-6	9	2500	1008.4	-6	SW	3	50	85	8	5	-	-	9+	9+	1500	1	*	bcc	bcc	bcc	bcc	
5	Hartland Point	1008.4	-14	WSW	6	6	55	85	8	9	7	-	4-6	9+	1500	1009.5	+12	WSW	5	53	97	8	8	4	-	4-6	9+	1500	1	4	bcc	bcc	bcc	bcc	
	Bristol ...	1010.9	-6	SSW	4	4	55	75	8	5	2	-	4-6	9+	1200	1009.5	0	SW	4	51	92	6	6	2	-	4-6	10	800	1	4	bcc	bcc	bcc	bcc	
	Portland Bill	1011.9	+8	NNE	4	4	56	85	8	5	-	-	10	10	4000	1010.2	-16	SW	4	55	85	7	5	-	-	10	10	4000	1	4	bcc	bcc	bcc	bcc	
	Plymouth	1011.8	-2	WSW	4	4	57	75	7	7	5	7	7-8	9+	1400	1011.3	+6	W/N	5	52	92	6	8	3	-	2-3	4-6	1000	1	3	bcc	bcc	bcc	bcc	
	The Lizard	1011.7	-4	SSW	4	4	55	92	8	8	6	-	7-8	7-8	2500	1012.2	+20	W	5	53	92	8	8	4	-	2-3	4-6	2500	1	3	bcc	bcc	bcc	bcc	
	Scilly (St. Mary's)	1010.5	-4	WSW	5	5	54	92	6	5	2	-	4-6	10	1000	1011.9	+14	W/S	5	54	92	8	8	4	-	1	4-6	1500	1	3	bcc	bcc	bcc	bcc	
	Guernsey	1010.5	-4	WSW	5	5	54	92	6	5	2	-	4-6	10	1000	1011.9	+14	W/S	5	54	92	8	8	4	-	1	4-6	1500	1	3	bcc	bcc	bcc	bcc	
6	Pembroke	1006.8	-2	W/S	6	6	52	92	6	5	-	-	10	10	800	1008.0	0	W/S	6	54	85	7	5	7	-	4-6	4-6	2000	1	4	bcc	bcc	bcc	bcc	
7	Holyhead	1004.2	-18	SW	4	4	54	97	6	8	7	-	4-6	9+	1500	1004.9	+6	SW	3	53	97	7	9	-	-	9	9	2200	1	2	bcc	bcc	bcc	bcc	
	Chester (Sealand)	1006.3	-14	SE	3	3	53	95	6	6	2	-	4-6	10	1200	1005.6	-2	SSW	1	51	85	6	5	-	-	4-6	4-6	2000	1	*	bcc	bcc	bcc	bcc	
8	Manchester	1006.8	-10	SE	3	3	50	92	6	5	7	-	7-8	10	3400	1005.6	-2	SW	2	49	97	4	5	7	-	4-6	4-6	2100	2	*	bcc	bcc	bcc	bcc	
10	Spurn Head	1007.7	0	SW	3	3	55	65	6	4	7	1	2-3	9	5700	1005.9	-4	SW	2	50	92	7	6	3	-	4-6	9+	2500	1	2	bcc	bcc	bcc	bcc	
	Catterick	1005.7	-4	SW	4	4	53	75	6	5	7	-	4-6	10	2500	1002.6	-10	SE/E	1	50	85	5	5	7	-	4-6	7-8	1200	1	2	bcc	bcc	bcc	bcc	
	Tynemouth	1005.0	0	SW	3	3	53	65	6	5	-	-	7-8	7-8	3200	1004.3	-14	S	2	49	92	5	-	2	-	10	10	1500	1	2	bcc	bcc	bcc	bcc	
11	St. Abbs Head	1002.8	+8	S	2	2	49	75	8	4	7	-	4-6	7-8	2500	1000.9	-10	SSW	3	47	92	8	5	4	-	7-8	10	2500	1	2	bcc	bcc	bcc	bcc	
	Leuchars	1001.6	-2	SW	2	2	49	85	6	8	7	-	4-6	7-8	2500	1000.2	-8	-	0	47	92	6	5	1	-	9	10	1500	1	*	bcc	bcc	bcc	bcc	
12	Renfrew (Abbots L.)	1002.0	-6	SSW	4	4	49	92	6	5	2	-	2-3	10	1500	1000.6	-6	SW	3	47	92	6	5	-	-	4-6	4-6	1500	1	*	bcc	bcc	bcc	bcc	
	Eskdalemuir	1003.1	-8	WSW	5	5	47	92	7	-	2	-	10	10	1500	1001.9	+2	WSW	4	47	92	6	5	-	-	10	10	800	1	*	bcc	bcc	bcc	bcc	
	Point of Ayre	1003.3	-14	SW	3	3	52	92	8	5	7	-	4-6	9+	1500	1003.2	+2	WSW	3	47	92	8	8	4	1	7	2-3	2500	1	2	bcc	bcc	bcc	bcc	
13A	Three ...	999.0	-2	S	3	3	48	92	7	5	-	-	9+	9+	1000	998.7	0	-	0	44	97	8	5	-	-	4-6	4-6	2500	0	2	bcc	bcc	bcc	bcc	
13B	Stornoway	997.1	+4	SW	4	4	50	75	8	8	6	3	2-3	2-3	2000	997.5	+2	SW	1	45	85	8	8	7	3	2-3	7-8	2000	1	1	bcc	bcc	bcc	bcc	
15	Dalwhinnie	*	2	SSW	2	2	45	85	8	3	-	4-6	9+	2500	1000.4	+2	SW	1	42	97	7	5	2	-	7-8	10	1500	1	*	bcc	bcc	bcc	bcc		
	Aberdeen	1000.2	+2	SW	3	3	53	65	8	1	3	-	1	2-3	4000	1000.4	-2	SW	2	48	85	4	5	2	-	7	10	4000	1	2	bcc	bcc	bcc	bcc	
	Wick	997.4	+6	WSW	3	3	51	75	8	2	4	3	2-3	4-6	2500	998.2	+6	NNE	2	45	75	8	5	1	8	9	9	1500	1	2	bcc	bcc	bcc	bcc	
16	Lerwick	994.8	+14	WSW	4	4	50	75	8	8	7	-	4-6	7-8	1500	995.7	+6	WSW	4	46	85	8	8	7	-	4-6	7-8	1500	1	*	bcc	bcc	bcc	bcc	
17	Blackod Point	1001.6	+8	WSW	4	4	53	85	8	3	-	9	2-3	7-8	1500	1002.2	+6	W/S	4	50	85	8	3	-	-	4-6	4-6	1500	3	1	bcc	bcc	bcc	bcc	
18	Malin Head	1000.4	-6	SSW	2	2	49	92	8	5	7	8	2-3	7-8	2500	1000.2	+12	W	5	48	92	6	9	-	-	9	9	2500	0						

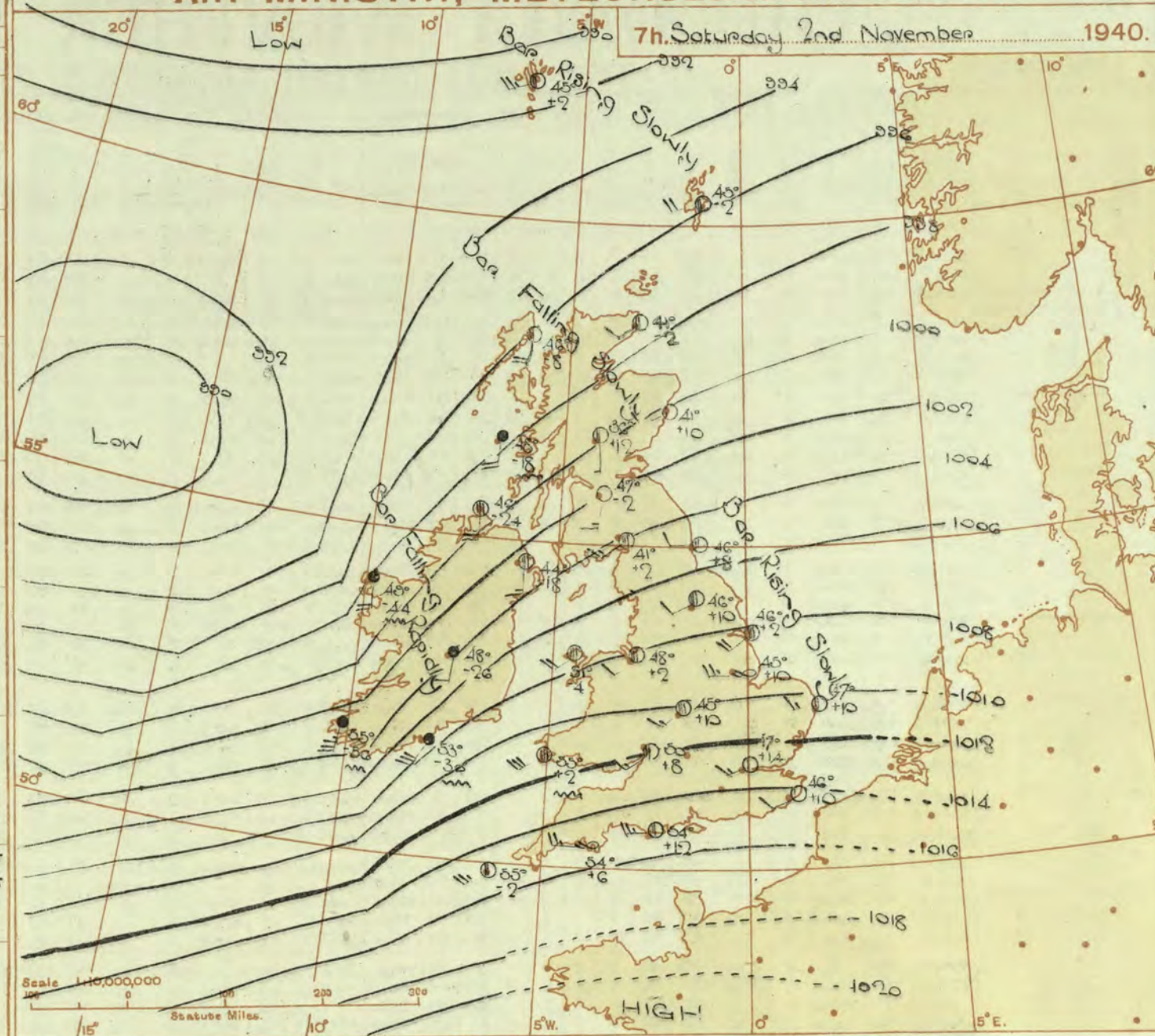


Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 1st November 18h. G.M.T.				01h. G.M.T. 2nd November 07h. G.M.T.							
III	C <sub>3</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>h</sub>
109				8-	01862	23312	80	01864	19215		
115	87	14844	55624	87	02844	24485	51	01853	22424	51	02854
203				5-	02946	16416					
206	84	01864	22214	57	22855	20168	50	01853	22213	50	00853
210	84	01864	22214	5-	02865	20228					
220							20	01754	22314		
230	62	64645	20288	86	61646	16167	8-	81745	53485	8-	27845
245							50	05653	30113	50	01952
260	58	02554	19316	40	01864	20314	80	81854	20214	80	01853
277				23	02842	19327	40	00850	23403	52	02851
279				--	05544	20315	--	08444	20314		
285	G-	63738	22428	6-	22737	24467				8-	03738
288	81	02850	14328	57	21544	17467	51	25754	21386	50	01852
278	84	01663	20200							32	63654
301	52	63546	14808	87	05552	20364	8-	05655	24585	87	25655
321	57	05662	18428	52	61546	21368	50	05661	21361	55	05662
299	51	05545	22328	52	64548	22468	5-	08445	22315	57	05643
292	52	61655	19388	52	05544	14368	50	05653	20263	47	01743
310	--	82628	24488	--	57209	20569				--	01634
316	57	05654	18317	52	62545	20268	50	05661	22101	54	05661
333	62	64646	24368	8-	02755	20365	20	25753	24488	26	02953
334	--	53758	22188								01853
340	62	61645	16468	5-	22755	20366	50	01765	14185		
136	13	01852	20414	03	01790	18414	51	05634	20368	07	05620
336	--	62754	20508		03741	20468					03742
350	14	01853	18514	57	02747	18328					
368											
379	77	02754	22826	02	05690	20328	50	05562	22312	00	02790
390	73	05655	20315	57	47345	18217	53	08443	21364	00	05690
382	17	01753	19514	5-	02756	18426	50	05651	21301	50	02862
438	80	01764	23384							57	01753
430	80	01854	22315	57	02763	22317	03	00790	24313	20	01751
409	27	01845	18727	54	02835	22525	3-	01744	20584	57	01743

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>3</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 2nd November, 1940.
1 S.E. England	Moderate or fresh west-southwest wind backing south, strong tonight veering west tomorrow; mainly cloudy, rain later today, bright periods showers with local hail and thunder tomorrow; rather mild becoming cooler.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Southerly gale veering west; cloudy with rain at first, bright intervals, squally showers with local hail and thunder tomorrow; rather mild, becoming cooler.
6 South Wales ...	
7 North Wales ...	Fresh southwest wind backing south strong, veering west later; cloudy rain spreading eastwards today, bright intervals squally showers with local hail and thunder later; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotland. B.N.W. Scotland.	Fresh southerly wind becoming variable, finally northwest; cloudy some rain at first showers with local hail and thunder later, average temperature.
14 Mid Scotland	
15 N. E. Scotland	Fresh southerly wind backing southeast becoming variable and finally northwest moderate or fresh; cloudy with rain at times; becoming rather cold.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 7-12.
18 N. E. Ireland	
19 S. E. Ireland	South-southwest gale veering northwest and moderating; cloudy some rain at first, bright periods squally showers, local hail and thunder later; rather mild becoming cool.
20 S. W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.



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

### GENERAL INFERENCE.

A deep depression centred about 400 miles westward of Scotland and an associated trough of low pressure over West Ireland are moving east. Rain will spread from the west to all districts. Gales are probable today on the southwestern coast, extending up the English Channel tonight.

### FURTHER OUTLOOK.

Unsettled, bright intervals and showers.

Gale Warning issued at 0825 G.M.T. on 2nd November, 1940. in districts 5, 6, 19 & 20.

Forecasts issued at 10.30 G.M.T.

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

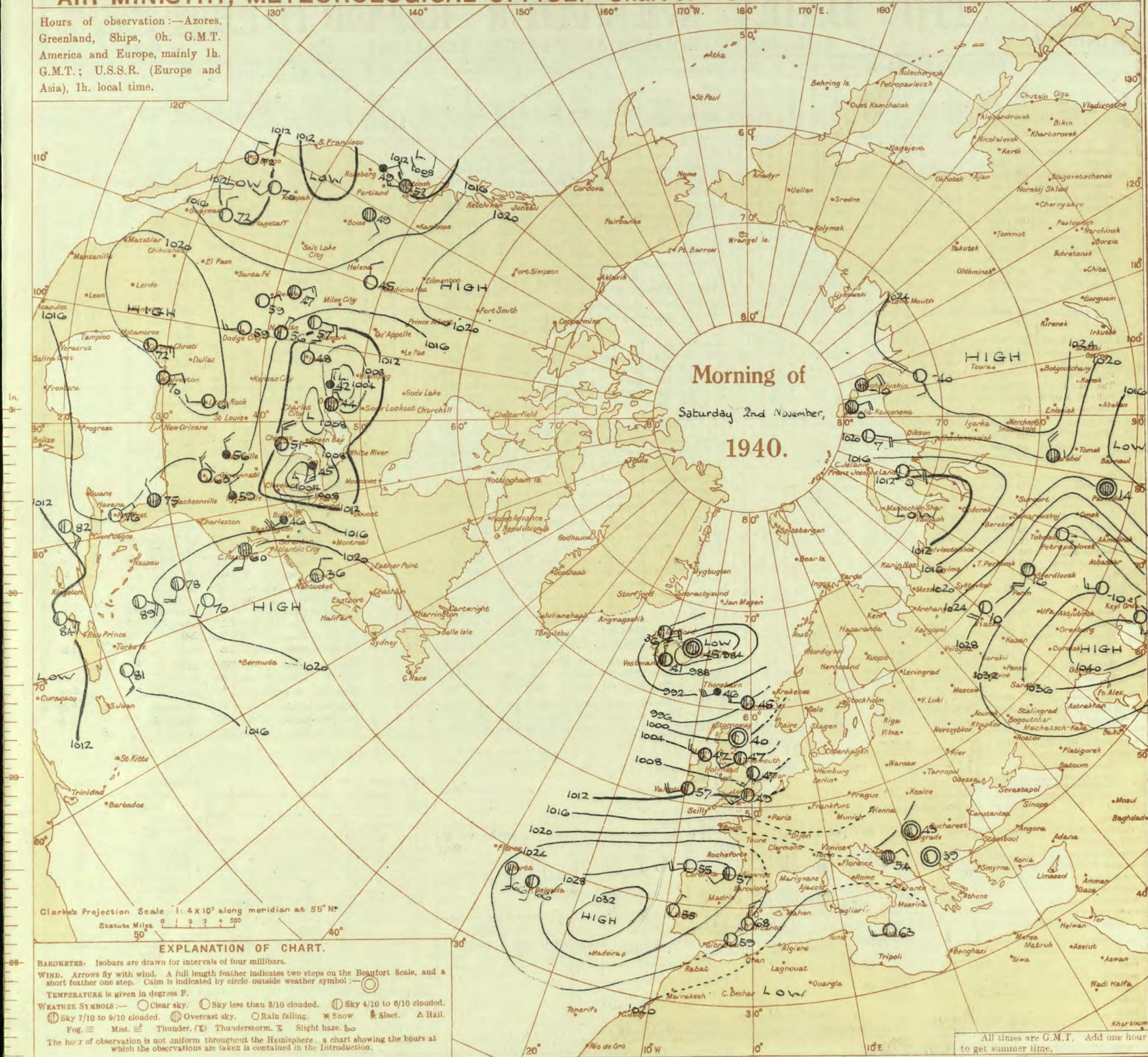
H.M.S.O. Press, Crownhill House S.E.1.

561/2055 24-5745 0-2705 3000-1418 1176



# 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  
 Saturday 2nd November 1940.  
 No. 23,835.

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.	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.		SUNSHINE. 1st Hr. (36)				
					Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Direc. (17)			Force. 0-12 (18)	Form. (23)					Amount. (24)	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)							
1	London (Kew) ... 18	1010.7	+2	Sw	3	20	48	85	6	4	-	2-3	2-3	2500	1013.0	+14	Sw	3	20	47	92	6	5	-	4	1	4-6	2500	1	*	56	47	40	Tr	4	6.5		
	Croydon ... 217	1011.5	+2	Sw	4	20	48	85	6	5	-	2-3	2-3	2500	1013.4	+14	Sw	3	20	47	85	6	5	-	4	1	4-6	2500	1	*	59	46	43	Tr	3	7.8		
	S. Farnborough ... 226	1011.5	+8	Sw	4	20	48	85	6	5	-	2-3	2-3	2500	1013.4	+14	Sw	3	20	46	82	8	5	-	4	2	2-3	4-6	2000	1	*	58	45	40	Tr	1	6.2	
	Boscombe Down ... 417	1012.0	+10	Sw	4	20	47	87	7	5	-	4-6	4-6	2000	1013.7	+14	Sw	3	20	46	85	8	5	-	6	2	2-3	4-6	2500	1	*	58	45	43	Tr	2	5.0	
	Calshot (St. Mary's) ... 8	1012.4	+10	Sw	3	20	50	92	6	5	-	0	0	-	1014.0	+12	Sw	3	20	50	85	7	8	-	4	2	1	7-8	2500	1	*	54	48	45	Tr	2	5.6	
	Lymington ... 346	1012.3	0	Sw	3	20	49	87	7	5	-	8	2-3	4-6	2500	1014.0	+10	Sw	2	20	46	82	8	8	-	3	Tr	1	2000	1	*	56	46	41	Tr	1	3.7	
	Manston ... 154	1010.4	-2	Sw	1	20	48	82	7	5	-	4-6	4-6	2500	1012.7	+14	Sw	2	20	47	82	8	8	-	4	1	2-3	2-3	2500	1	*	56	46	41	Tr	1	3.7	
2	Shoeburyness ... 11	1009.2	+2	Sw	3	20	49	82	6	5	-	0	2-3	-	1013.1	+12	Sw	3	20	49	85	6	5	-	1	5	0	2-3	-	1	*	52	48	42	-	2	7.5	
	Felixstowe ... 15	1009.2	+2	Sw	3	20	49	82	6	5	-	0	2-3	-	1013.1	+12	Sw	3	20	47	85	6	5	-	1	5	0	2-3	-	1	*	47	43	-	1	7.7		
	Gorleston ... 5	1008.5	0	Sw	2	20	50	92	6	5	-	7-8	7-8	1500	1009.8	+10	Sw	3	20	47	92	7	1	-	7	0	4-6	-	1	*	57	47	40	-	1	7.6		
	Mildenhall ... 19	1008.6	+2	Sw	3	20	48	87	6	5	-	0	4-6	-	1010.2	+12	Sw	4	20	47	92	6	5	-	1	6	1	4-6	1500	1	*	58	46	40	-	1	7.1	
	Cranwell ... 240	1007.6	-2	Sw	4	20	45	87	6	5	-	2-3	2-3	2500	1009.1	+10	Sw	5	20	45	85	6	5	-	5	2	2-3	7-8	2500	1	*	56	45	40	2	3	5.4	
3	Birmingham ... 535	1009.8	+2	Sw	2	20	47	87	6	5	-	Tr	Tr	2500	1012.2	+18	Sw	2	20	42	92	7	-	4	6	0	7-8	-	1	*	53	41	34	0.4	2	3.9		
4	Ross-on-Wye ... 223	1011.0	0	Sw	3	20	48	85	6	5	-	2-3	2-3	2500	1011.0	+8	Sw	3	20	50	75	8	6	-	2	1	2-3	2500	1	*	56	47	42	3	0.4	3.0		
5	Hartland Point ... 299	1011.5	+8	Sw	5	20	53	85	8	8	-	7-8	7-8	1500	1011.7	-4	Sw	5	20	54	85	8	8	-	1	-	4-6	7-8	1500	1	*	55	51	49	4	0.3	0.6	
	Bristol ... 209	1010.9	+2	Sw	4	20	50	82	6	5	-	10	10	1400	1013.0	+14	Sw	5	20	51	85	7	8	-	1	-	4-6	7-8	1500	1	*	57	48	44	3	3	3.8	
	Portland Bill ... 32	1012.6	+8	Sw	5	20	54	92	7	5	-	7-8	7-8	4000	1014.1	+12	Sw	5	20	54	85	8	8	-	1	-	4-6	4-6	4000	1	*	56	53	-	3	1	1.0	
	Plymouth ... 82	1014.5	+10	Sw	3	20	51	85	7	5	-	4-6	4-6	1400	1015.1	+6	Sw	5	20	54	85	6	2	-	1	-	7-8	10	1200	1	*	57	50	-	3	1	1.0	
	The Lizard ... 240	1015.0	+4	Sw	6	20	51	85	7	5	-	7-8	7-8	1500	1015.5	+4	Sw	5	20	51	85	6	2	-	1	-	7-8	10	1500	0	*	57	52	-	4	1	3.0	
	Scilly (St. Mary's) ... 163	1014.6	+10	Sw	5	20	51	85	7	5	-	4-6	4-6	1000	1014.7	-2	Sw	5	20	51	85	7	5	-	1	-	4-6	4-6	1200	1	*	56	51	-	4	0.5	3.4	
	Guernsey ... 175	1014.6	+10	Sw	5	20	51	85	7	5	-	4-6	4-6	1000	1014.7	-2	Sw	5	20	51	85	7	5	-	1	-	4-6	4-6	1200	1	*	56	51	-	4	0.5	3.4	
6	Pembroke ... 142	1009.8	+2	Sw	7	20	53	75	7	8	-	4-6	4-6	2500	1009.7	+2	Sw	6	20	51	82	8	8	-	1	-	9+	9+	1700	1	*	56	51	-	9	0.2	0.0	
7	Holyhead ... 26	1006.7	+8	Sw	5	20	51	82	8	5	-	4-6	4-6	2500	1006.5	-4	Sw	4	20	51	82	8	8	-	1	-	9+	9+	2500	1	*	55	49	-	7	0.6	6.6	
	Chester (Sealand) ... 16	1007.0	+2	Sw	2	20	49	83	7	5	-	2-3	2-3	2000	1007.7	+2	Sw	2	20	48	85	7	5	-	1	-	7	7+	2500	1	*	53	44	31	4	0.3	1.3	
8	Manchester ... 70	1006.4	+2	Sw	3	20	45	85	6	5	-	2-3	2-3	2500	1007.3	+2	Sw	3	20	46	85	6	5	-	3	-	2-3	4-6	3000	1	*	52	43	37	6	1	1.2	
10	Spurn Head ... 29	1005.6	0	Sw	3	20	47	87	7	5	-	7-8	7-8	4000	1007.2	+2	Sw	4	20	46	82	7	4	-	1	-	2-3	7-8	4000	1	*	56	45	-	1	0.6	2.5	
	Catterick ... 175	1004.2	+6	Sw	2	20	49	85	7	5	-	7-8	7-8	4500	1006.0	+10	Sw	2	20	46	82	9	5	-	1	-	2-3	9	3500	1	*	53	45	40	1	0.1	1.2	
	Tynemouth ... 108	1004.6	+2	Sw	2	20	47	85	6	5	-	7-8	7-8	2500	1005.0	+8	Sw	2	20	46	85	5	2	-	1	-	2-3	2-3	2000	1	*	54	46	40	1	0.2	*	
11	St. Abbs Head ... 280	1001.2	+2	Sw	3	20	42	82	8	4	-	2-3	4-6	2500	1001.5	+8	Sw	4	20	44	85	8	4	-	1	-	2-3	2-3	3000	0	*	50	42	-	0.2	Tr	*	
	Leuchars ... 36	999.9	0	Sw	1	20	44	82	6	5	-	2-3	2-3	2800	1001.6	+6	Sw	2	20	41	82	7	1	-	1	-	1	2-3	3200	1	*	57	41	34	0.5	1	2.3	
12	Renfrew (Abbots I.) ... 19	1001.5	+6	Sw	3	20	46	83	8	5	-	2-3	2-3	2400	1002.0	-2	Sw	3	20	47	85	7	8	-	4	5	1	2-3	7-8	2000	1	*	51	44	39	1	4	0.5
	Eskdalemuir ... 794	1003.8	0	Sw	3	20	41	82	6	5	-	1	4-6	800	1003.8	12	Sw	3	20	41	82	6	5	-	1	-	4-6	800	1	*	48	39	35	1	4	0.0		
	Point of Ayre ... 30	1004.5	+10	Sw	4	20	49	82	8	8	-	4-6	4-6	2500	1004.8	0	Sw	3	20	47	82	8	8	-	4	7	1	6	2500	0	*	54	46	-	1	0.2	1.5	
13A	Tiree ... 22	1007.2	-2	Sw	6	20	46	82	6	8	-	7-8	10	1000	1007.6	-8	Sw	4	20	48	82	7	8	-	1	-	9	9	1200	1	*	49	41	-	0.1	1	0.5	
13B																																						



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Sunday 3rd November 1940.  
No. 28,336

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. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																			
				Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)	Low (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. ..... (37)	13h.—18h. ..... (38)	18h.—2nd ..... (39)	2nd ..... (40)																																																																																																																																																																																																
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down Calshot (Soton.) Lymington Manston	1010.0 1011.0 1010.8 1010.0 1012.2 1014.0 1012.0	-32 -28 -34 -40 -32 -10 -16	SW'S SSW SSW SE SW.W W W	5 3 6 6 6 3 3	0 0 0 0 0 0 0	55 56 56 49 58 55 56	75 76 85 82 85 85 75	8 7 5 7 5 7 7	5 6 5 2 2 7 7	- - - - - - -	10 2.3 3 10 3 4.6 2.3	1500 1500 1400 800 800 2500 2000	1002.8 1004.1 1004.4 1004.1 1002.6 1008.2 1004.9	-42 -38 -36 -16 -30 -30 -30	SW SW SW SW WSW SW SW	6 4 7 6 7 6 6	3 2 2 10 5 5 6	85 85 85 82 85 85 85	6 6 6 6 6 6 6	5 5 6 2 5 6 2	2 - - 2 3 8 - 7	10 10 10 7.8 10 10 7.8	1500 600 1200 600 800 900 800	1 1 1 1 1 1 1	4 * * * 4 * *	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 1 1 1	0 1 1 1 

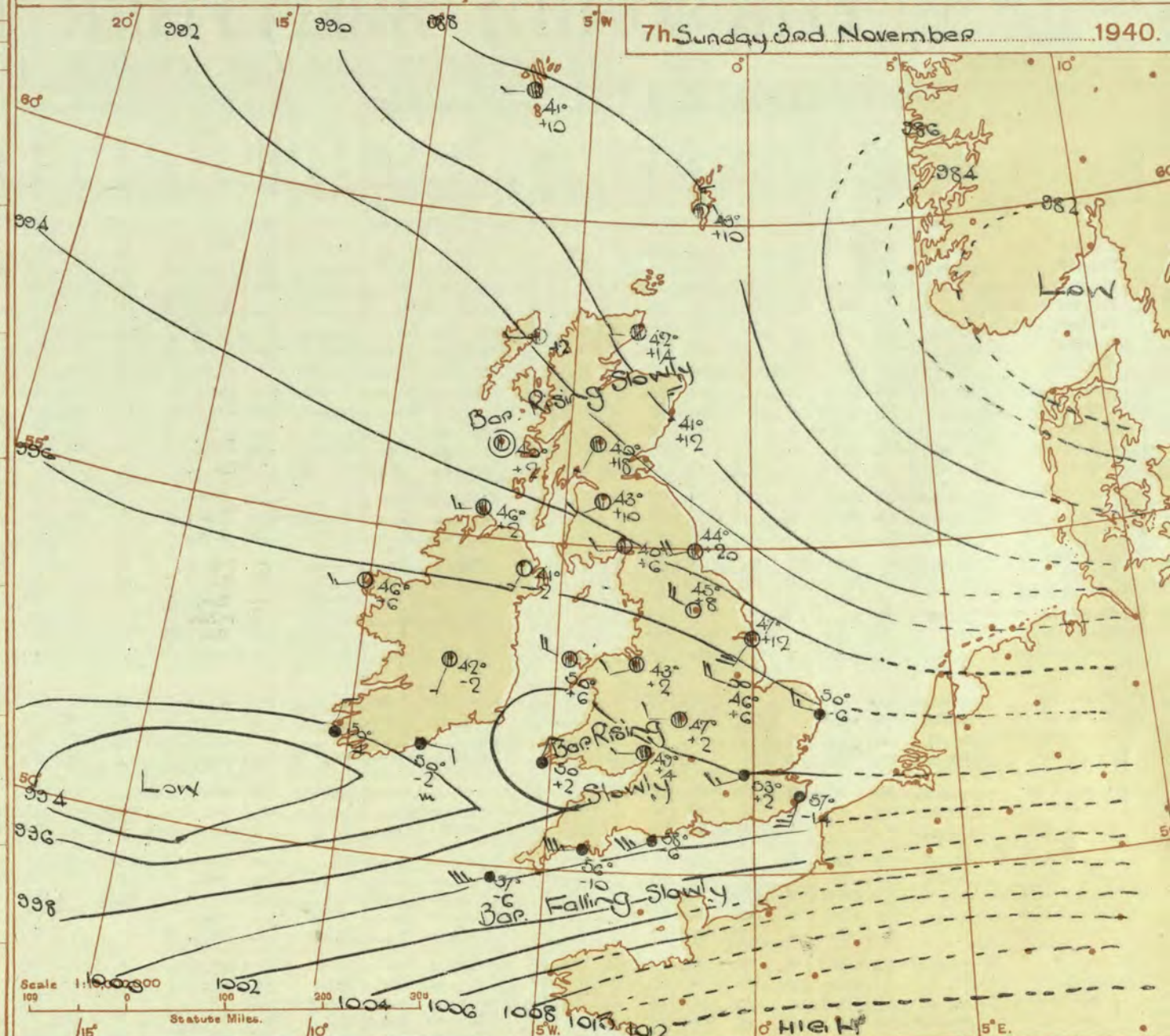


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 2nd November 18h. G.M.T.				01h. G.M.T. 3rd November 07h. G.M.T.			
III	ww	Vh	DDFWN	C <sub>1</sub>	ww	Vh	DDFWN
109 31	01852	18404	52	02764	12315	80	02745 26125
115 52	02954	16482	52	02844	12386	52	81844 20387
203							
206 52	02863	12227	62	24635	08268	5-	64628 00068
210 57	02954	14417	62	24636	06368		87 22855 00065
220							
230 62	64644	12268	62	24645	532468	80	00852 28462
245 52	61753	-----					44 00852 00012
260 52	62764	10268	62	52546	28368	50	01763 22413
277 52	64636	16668	3-	4848	58768	40	00853 23483
279							80 00842 23402
285 2-	62538	18568	9-	81736	24886		
288 02	64568	15428	57	22744	53665		
273 33	65653	22866					34 01651 12282
301 02	64538	14568	51	14644	56368	51	02753 59628
321 62	63664	40568	62	61625	53668	51	02762 59526
299 5-	64548	22868	5-	14538	53728	50	01742 23662
292 5-	64548	17868	5-	22647	53668	54	01752 24614
310 --	46209	24540					50 01842 2-213
316 02	62848	20268	62	54526	52668	52	22644 2-268
333 62	64628	53868	62	22635	55768	8-	81648 26268
334 --	66548	24268					52 02863 26227
340 62	64646	49568	52	62736	51768	52	62646 20268
136 52	63636	17468	62	22635	17668	52	22755 22668
336							57 02714 23366
350 52	61784	18468					52 02855 24267
368							
379 62	64635	18668	6-	62518	53668	6-	62638 55568
390 62	22544	18467	62	61425	18568	62	62425 53568
382 62	62742	18528	6-	62638	53668	62	64646 54568
438 81	02755	24587					-- 64628 57768
430 57	02745	22518	5-	6638	55768	6-	58538 57868
409 52	05637	53768	52	05736	26068	02	64628 53868

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (S = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 3rd November, 1940
1 S.E. England	Wind S.W. increasing strong, with gale on coasts; veering and moderating by tomorrow; dull and rainy, becoming fair tomorrow; fog on coastal hills
2 E. England ...	thunder locally later today; mild today, then cooler
3 E. Midlands ...	
4 W. Midlands ...	Wind S.W., strong to gale, veering W - NW and moderating; dull and
5 S.W. England	rainy, with hill fog today; becoming fair apart from a few showers; mild, becoming cooler.
6 South Wales ...	
7 North Wales ...	Wind rather variable, light to fresh, becoming moderate N.W.;
8 N.W. England	becoming dull and rainy; thunder locally; improving towards end of period;
9 N. Midlands ...	average temperature.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl <sup>d</sup> . B.N.W. Scot- land.	Moderate to light W. to N.W. winds; considerable fair periods; some showers, chiefly in the West and North; chance of local morning fog patches; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 4-6.
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 depression off S.W. Ireland will move E.N.E. across England and Wales to Denmark. Southwesterly gales will continue in the Channel today, and strong winds will be renewed in S. and S.E. England. There will be another prolonged period of rain over most of England and Wales today and tonight, but weather will become fair by tomorrow. Elsewhere there will be bright periods and showers. Thunder will occur locally.

FURTHER OUTLOOK.

Fair periods, especially in the South; some showers in the North and West.

Gale warning in operation in districts 1, 5, 6, 19 + 20.

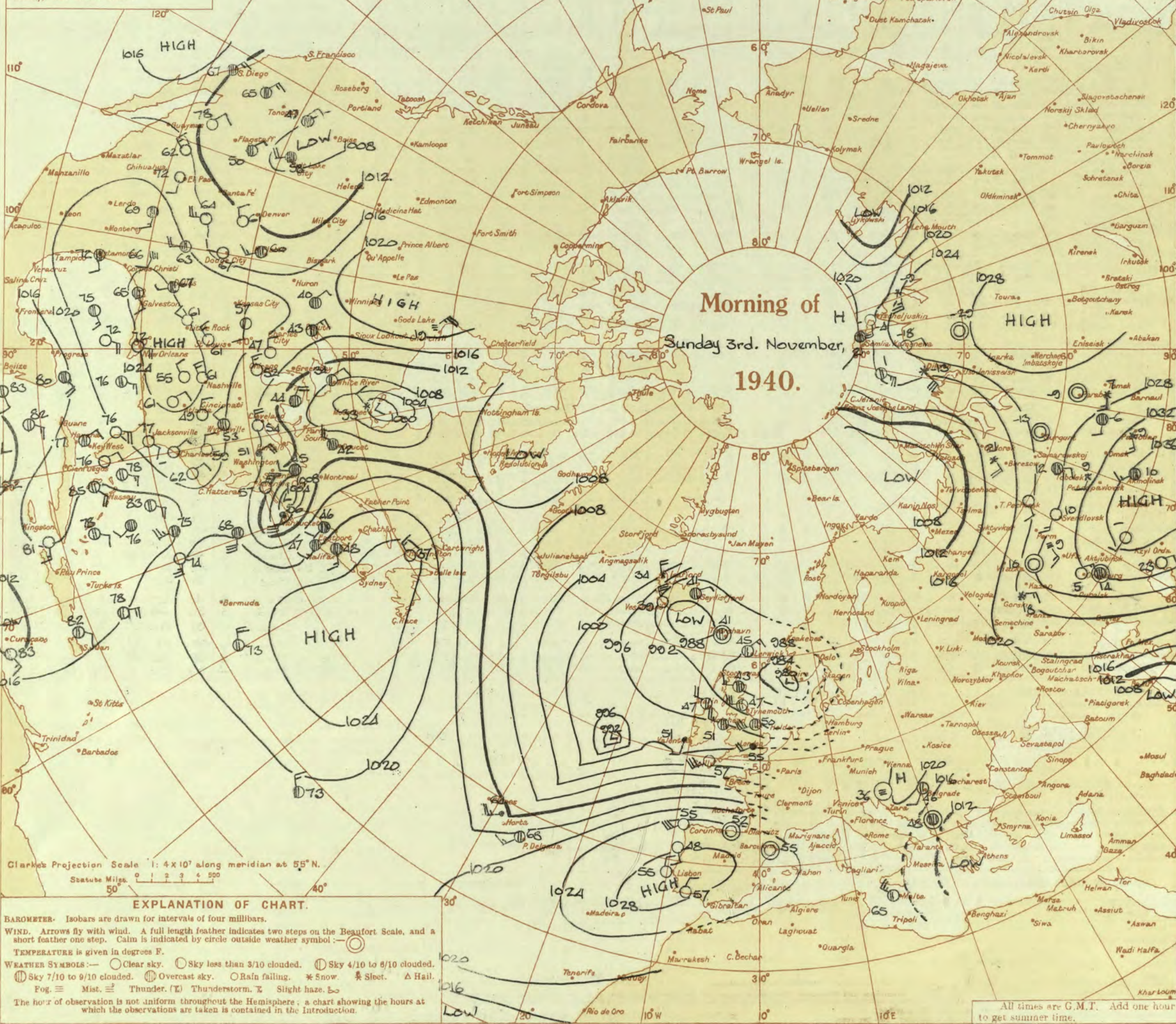
Forecasts issued at 1030h G.M.T. N. K. JOHNSON. D.Sc., A.R.C.S. Director.  
H.M.S.O. Press, Cornwall House, S.E.1.



# 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.

Morning of  
Sunday 3rd. November,  
1940.





AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Sunday 3rd November 1940.  
No. 28836

OBSERVATIONS at 1 hr. G.M.T. 3rd November															OBSERVATIONS at 7 hr. G.M.T. 3rd November															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. 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.					Sea. 0-9 (29)	TEMPERATURE.			RAINFALL.		SUN-SHINE 2nd Hrs. (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. (25)	Low 0-10 (26)		Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (30)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)		Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
1	London (Kew) ... 18	217	1000.4	-16	SW	4	56	52	6	10	10	10	10	10	1000.7	+6	SW	2	53	57	6	10	10	10	10	10	1	56	52	50	1	9	5.0						
	Croydon ... 217	1000.8	-18	SW	6	56	52	6	10	10	10	10	10	10	1000.7	+2	SW	3	53	57	6	10	10	10	10	10	1	56	52	51	2	16	1.7						
	S. Farnborough ... 226	1000.8	-18	SW	6	56	52	6	10	10	10	10	10	10	1000.7	+2	SW	3	53	57	6	10	10	10	10	10	2	57	53	51	1	12	0.9						
	Boscombe Down ... 417	1000.5	-14	SW	6	56	52	6	10	10	10	10	10	10	1000.7	+16	SW	3	52	57	6	10	10	10	10	10	1	51	50	50	1	14	1.0						
	Calshot (Stmntn.) ... 8	1002.4	-18	WSW	6	57	52	6	10	10	10	10	10	10	1000.0	-6	WSW	5	58	57	6	10	10	10	10	10	4	58	56	55	0.2	7	1.0						
	Lympe ... 346	1003.4	-20	SW	7	55	57	6	10	10	10	10	10	10	1000.8	-14	SSW	5	57	57	6	10	10	10	10	10	1	56	55	53	1	6	3.1						
	Manston ... 154	1000.8	-12	SW	8	57	52	6	10	10	10	10	10	10	1000.9	-2	NW	4	57	52	6	10	10	10	10	10	1	56	55	53	1	6	3.1						
2	Shoeburyness ... 11	1007.6	-14	WSW	6	55	52	6	10	10	10	10	10	10	1008.5	-2	SW	5	51	57	6	10	10	10	10	10	1	56	50	50	2	7	1.7						
	Felixstowe ... 15	1006.6	+8	W	4	57	52	6	10	10	10	10	10	10	1006.0	-6	WNW	3	50	52	6	10	10	10	10	10	1	52	49	48	3	9	0.0						
	Gorleston ... 5	1006.6	+8	W	4	57	52	6	10	10	10	10	10	10	1006.0	-6	WNW	3	50	52	6	10	10	10	10	10	1	52	49	48	3	9	0.0						
	Mildenhall ... 19	1006.7	+4	WSW	5	53	52	6	10	10	10	10	10	10	1006.6	0	SW	2	48	52	6	10	10	10	10	10	1	56	48	46	3	13	0.8						
	Cranwell ... 240	1006.5	+18	WN	6	51	85	6	10	10	10	10	10	10	1006.1	+6	WN	4	46	52	6	10	10	10	10	10	1	54	44	43	5	1	0.0						
3	Birmingham ... 535	1008.2	-8	W	5	54	52	5	10	10	10	10	10	10	1008.0	+2	W	2	47	85	6	10	10	10	10	10	1	55	45	43	11	11	0.0						
	Upper Heyford ... 408	1008.2	-8	W	5	54	52	5	10	10	10	10	10	10	1008.2	+6	W	2	47	85	6	10	10	10	10	10	1	54	47	45	5	15	0.4						
4	Ross-on-Wye ... 223	1008.2	-8	W	5	54	52	5	10	10	10	10	10	10	1008.4	+4	WS	1	49	85	6	10	10	10	10	10	1	56	49	47	3	16	0.4						
5	Hartland Point ... 299	1006.4	-30	WSW	9	55	57	6	10	10	10	10	10	10	1008.2	0	W	3	53	57	6	10	10	10	10	10	1	57	52	51	2	13	0.0						
	Bristol ... 209	1009.3	-22	SW	6	56	57	6	10	10	10	10	10	10	1008.5	0	W	3	52	57	6	10	10	10	10	10	1	57	52	50	11	46	0.0						
	Portland Bill ... 32	1001.8	-20	SW	7	54	85	7	10	10	10	10	10	10	1009.3	-4	WSW	7	52	52	6	10	10	10	10	10	1	55	51	51	5	5	0.0						
	Plymouth ... 82	1003.3	+24	W	8	56	57	6	10	10	10	10	10	10	1009.7	-10	SW	7	56	57	6	10	10	10	10	10	1	57	55	55	0.5	9	0.0						
	The Lizard ... 240	1003.1	-86	SW	8	56	57	6	10	10	10	10	10	10	1000.0	-10	SW	8	57	57	6	10	10	10	10	10	1	57	55	55	0.5	9	0.0						
	Scilly (St. Mary's) ... 163	1002.2	-30	SW	7	57	57	6	10	10	10	10	10	10	1009.4	-6	SW	7	57	57	6	10	10	10	10	10	1	57	56	56	0.1	5	0.0						
	Guernsey ... 175	1002.2	-30	SW	7	57	57	6	10	10	10	10	10	10	1009.4	-6	SW	7	57	57	6	10	10	10	10	10	1	57	56	56	0.1	5	0.0						
6	Pembroke ... 142	1007.8	-2	W	4	55	57	6	10	10	10	10	10	10	1008.6	+2	N/E	2	50	57	6	10	10	10	10	10	1	57	49	47	13	17	0.0						
7	Holyhead ... 26	1006.2	+2	W	5	51	75	7	10	10	10	10	10	10	1006.8	+6	WNW	4	50	75	8	10	10	10	10	10	1	57	49	47	15	17	0.0						
	Chester (Sealand) ... 16	1006.6	+8	W	3	51	75	7	10	10	10	10	10	10	1006.8	+6	W	1	46	85	7	10	10	10	10	10	1	56	48	47	3	17	0.0						
8	Manchester ... 70	1005.7	+6	WS	4	49	85	7	10	10	10	10	10	10	1006.2	+2	WS	2	43	82	7	10	10	10	10	10	1	59	42	34	6	0.3	0.0						
10	Spurn Head ... 29	1002.8	+20	WSW	7	50	75	6	10	10	10	10	10	10	1004.5	+12	SW	4	47	85	6	10	10	10	10	10	0	54	45	45	1	0.4	0.4						
	Catterick ... 175	1002.5	+30	WNW	4	47	85	6	10	10	10	10	10	10	1004.7	+8	WNW	3	45	75	8	10	10	10	10	10	0	58	44	32	4	0.1	0.0						
	Tynemouth ... 108	1000.5	+36	W	6	47	75	7	10	10	10	10	10	10	1003.6	+20	W	4	44	85	8	10	10	10	10	10	1	58	44	40	4	0.1	0.0						
11	St. Abbs Head ... 280	1009.2	+40	NW	6	45	75	8	10	10	10	10	10	10	1000.4	+6	WNW	7	44	65	9	10	10	10	10	10	0	48	41	38	20	0.6	0.0						
	Leuchars ... 36	1009.7	-34	W	2	43	85	6	10	10	10	10	10	10	1001.4	+14	W	3	42	85	8	10	10	10	10	10	0	47	39	38	22	4	0.0						
12	Ranfrew (Abbots I.) ... 19	1001.5	+14	W	3	43	85	7	10	10	10	10	10	10	1003.6	+10	WSW	2	43	85	8	10	10	10	10	10	1	48	42	34	21	0.1	0.0						
	Eskdalemuir ... 794	1001.5	+14	W	3	43	85	7	10	10	10	10	10	10	1003.6	+10	WSW	2	43	85	8	10	10	10	10	10	1	48	42	34	21	0.1	0.0						
	Point of Ayre ... 30	1004.6	+16	WNW	6	49	85	8	10	10	10	10	10	10	1005.8	+4	WNW	4	47	85	8	10	10	10	10	10	1	53	39	35	25	1	0.0						
13A	Tiree ... 22	1004.6	+16	WNW	6	49	85	8	10	10	10	10	10	10	1005.8	+4	WNW	4	47	85	8	10	10	10	10	10	1	53	39	35	25	1	0.0						
13B	Stormoway ... 80	1003.9	+8	W	2	43	85	7	10	10	10	10	10	10	1002.2	+8	W	1	42	85	7	10	10	10	10	10	1	48	40	38	3	0.4	0.0						
15	Dalwhinnie ... 1176	1003.9	+8	W																																			



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

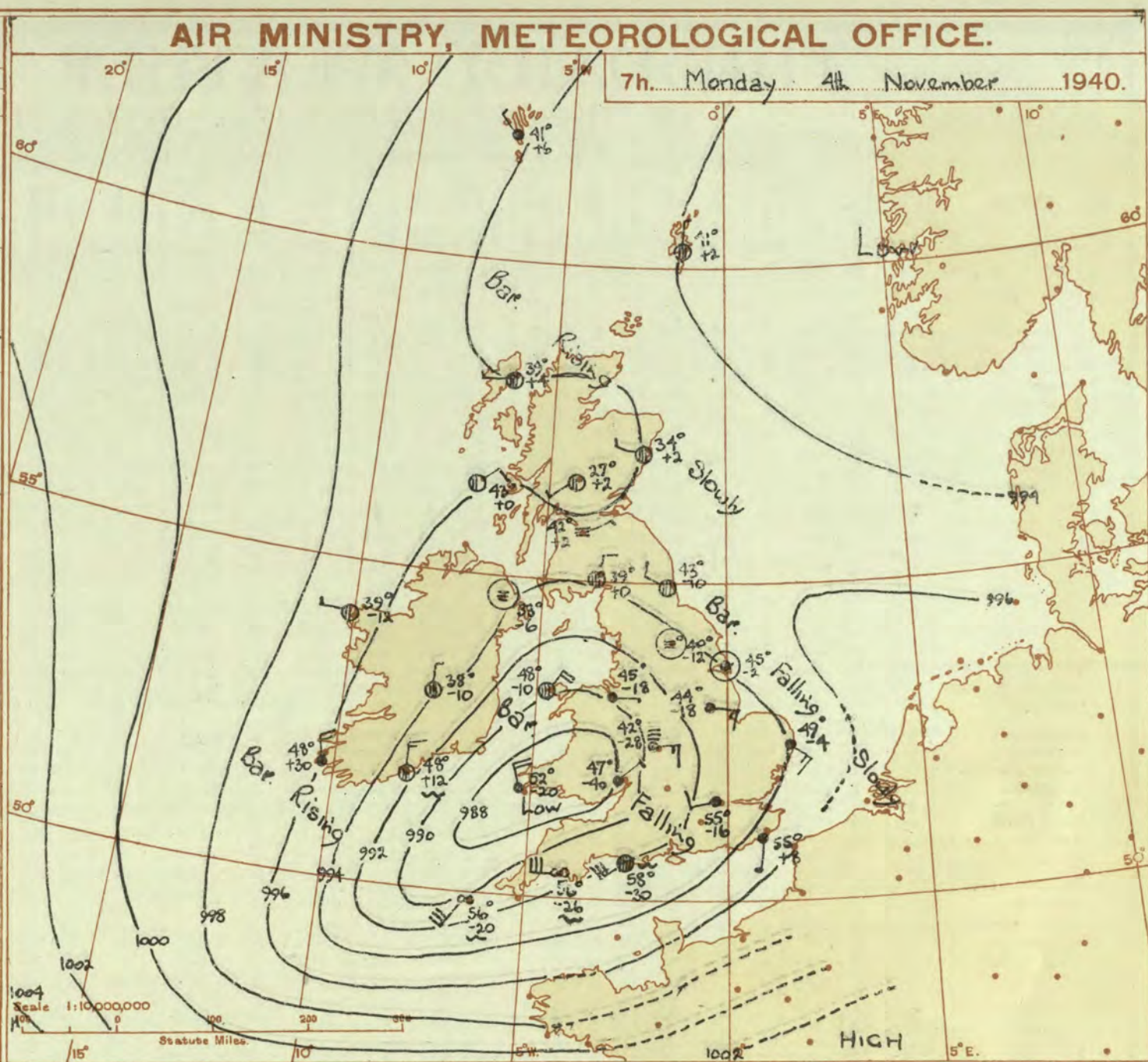
PAST 24 HOURS.

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.					Barom. at M.S.L. mb. (28)	State of Ground. 0-9 (29)	Sea. 0-9 (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) (27)	7h.—18h. 3rd (37)	13h.—18h. 3rd (38)	18h.—2nd 1h.—4th (39)	1h.—7h. 4th (40)								
1	London (Kew)...	307.3	-14	SE	1	rr	51	92	5	6	2	-	7-8	10	2500	305.6	-10	ENE	3	pp	50	92	5	6	2	-	7-8	10	1500	1	*	cr,rm	cr,rm	cr,rm	cr,rm
	Croydon ...	308.3	-10	-	0	rr	51	97	4	-	2	-	10	10	1800	304.9	-14	-	0	pp	50	97	2	-	2	-	10	10	1000	1	*	mgfrr	ofrr	fr	rr
	S. Farnborough	1009.0	-14	SE	1	rr	51	97	5	6	2	-	10	10	500	304.6	-20	WSW	4	rr	54	97	5	6	2	-	7-8	10	1000	2	*	rdrr	rr	rd,rm	cr,rm
	Boscombe Down	307.3	-18	SSE	2	rr	53	97	5	-	2	-	10	10	400	304.2	-8	SW	4	rr	57	97	5	6	2	-	9	10	400	1	*	err	cr	cr,rd	cid,rm
	Calshot (Soton.)	307.3	-10	WSW	4	rr	58	97	6	6	-	-	10	10	500	306.1	-6	WSW	3	pp	58	97	5	6	2	-	10	10	500	1	4	cr,RR	cr,rm	cr,rm	cr,rm
	Lymington	1001.1	-2	NW	1	rr	50	97	6	2	-	-	9	10	800	306.5	-6	WSW	3	pp	58	97	5	6	2	-	9	10	200	1	§	cr,rm	brm	cr,rm	cr,rm
	Manston	308.3	-6	W/S	2	rr	49	97	6	7	2	-	9	10	500	306.0	-8	-	0	pp	49	97	5	-	2	-	10	10	300	1	*	rr,rm	brm	cr,rm	cr,rm
2	Shoeburyness ...	303.5	0	SW/S	1	rr	50	97	6	6	2	-	4-6	10	800	307.2	-12	ENE	2	pp	48	97	5	6	2	-	4-6	10	1500	1	*	cr,rm	cr,rm	rr,RR	rr,rr
	Felixstowe ...	308.4	+6	W/S	2	rr	51	85	6	5	2	-	9	10	2000	306.9	-10	NNE	2	pp	47	97	5	6	2	-	9	10	1800	1	1	cr,rm	cr,rm	rr,RR	rr,rr
	Gorleston ...	307.3	+6	W/N	2	0	51	85	6	5	2	-	4-6	10	2200	307.5	0	N	1	pp	50	92	6	6	-	-	10	10	800	1	2	cr	cr	rr,RR	rr,rr
	Mildenhall ...	307.3	-2	WSW	2	0	50	85	6	-	7	-	0	10	-	306.8	-4	NW	1	pp	48	97	6	6	2	-	4-6	10	700	1	*	cr,rm	cr,rm	cr,rm	cr,rm
	Cranwell ...	308.0	-2	SSE	3	0	49	85	6	5	-	-	10	10	2500	306.0	-10	SW	2	pp	46	97	6	6	-	-	10	10	2000	1	*	cr	cr	rr,RR	rr,rr
3	Birmingham	308.0	-2	SSW	1	rr	49	85	4	5	-	-	10	10	800	305.6	-14	ESE	2	pp	47	97	3	6	-	-	10	10	450	1	*	cr,rm	cr,rm	rr,RR	rr,rr
	Upper Heyford	308.0	-6	-	0	rr	49	97	6	2	-	-	7-8	10	600	305.2	-10	E	2	pp	47	97	5	6	2	-	7-8	10	300	1	*	cr,rm	cr,rm	rr,RR	rr,rr
4	Ross-on-Wye ...	307.0	-10	E/N	2	rr	51	97	5	6	-	-	10	10	800	304.5	-14	NE	1	pp	48	97	4	6	-	-	10	10	400	1	*	cr,rm	cr,rm	rr,RR	rr,rr
5	Hartland Point	305.0	-30	WSW	8	rr	56	97	6	-	2	-	10	10	600	302.3	-12	W	8	pp	56	97	5	5	-	-	10	10	500	1	4	rr,rr	rr,rr	rr,RR	rr,rr
	Bristol ...	306.9	-14	W	0	rr	54	97	6	-	2	-	10	10	720	304.0	-16	-	0	pp	55	97	4	5	-	-	10	10	700	1	5	rr,rr	rr,rr	rr,RR	rr,rr
	Portland Bill ...	307.7	-14	SW	7	RR	57	97	6	5	-	-	10	10	1500	305.5	-12	SW	6	pp	58	97	5	5	-	-	10	10	1500	1	5	rr,rr	rr,rr	rr,RR	rr,rr
	Plymouth ...	308.2	-10	W/S	7	rr	57	97	5	6	-	-	10	10	100	305.6	-14	WSW	8	rr	58	97	4	6	-	-	10	10	100	1	5	rr,rr	rr,rr	rr,RR	rr,rr
	The Lizard ...	308.7	-12	SW	7	0	58	97	6	5	-	-	10	10	1000	305.2	-14	SW	7	pp	58	97	5	5	-	-	10	10	800	1	6	rr,rr	rr,rr	rr,RR	rr,rr
	Scilly (St. Mary's)	307.7	-14	SW	6	rr	58	97	5	5	-	-	10	10	800	304.3	-16	SW	6	pp	58	97	5	5	-	-	10	10	500	1	4	rr,rr	rr,rr	rr,RR	rr,rr
	Guernsey ...	308.0	-2	SW	1	rr	50	97	6	2	-	-	10	10	1000	308.7	-2	SW	2	F	54	97	1	6	-	-	10	10	1500	1	2	rr,rr	rr,rr	rr,RR	rr,rr
6	Pembroke ...	306.2	-8	E	3	rr	51	97	6	5	-	-	10	10	1000	308.7	-12	SW	2	F	54	97	1	6	-	-	10	10	1500	1	2	rr,rr	rr,rr	rr,RR	rr,rr
7	Holyhead ...	306.0	-6	-	0	C	51	75	8	7	-	-	7-8	10	2500	308.6	-16	ENE	3	pp	48	85	8	8	2	-	2-3	10	2000	1	1	C	cr,rm	cr,rm	cr,rm
	Chester (Sealand)	306.7	-6	-	0	C	50	75	7	5	7	-	7	10	6000	305.0	-10	E	1	pp	47	85	4	5	2	-	7-8	10	4000	1	*	cr,rm	cr,rm	cr,rm	cr,rm
8	Manchester ...	306.3	-2	SW	1	0	49	85	5	5	-	-	7-8	10	2500	305.1	-12	SSW	1	cf	46	97	3	5	7	-	4-6	10	2200	1	*	cr,rm	cr,rm	cr,rm	cr,rm
10	Spurn Head ...	306.3	+6	W/S	4	0	49	85	6	-	2	-	0	10	-	305.8	0	-	0	47	92	6	-	2	-	0	10	-	0	1	CO	cr,rm	cr,rm	cr,rm	
	Catterick ...	306.4	+6	-	0	0	49	75	8	7	-	-	7-8	10	4000	305.8	-4	-	0	42	92	8	5	7	-	1	9	4000	0		C	cr,rm	cr,rm	cr,rm	
	Tynemouth ...	306.0	+16	W	4	bc	49	75	7	2	3	2	4-6	4-6	3400	306.0	-2	W	3	46	85	5	8	-	-	4-6	4-6	3200	1	2	bc	cr,rm	cr,rm	cr,rm	
11	St. Abbs Head	303.9	+8	WNW	4	0	46	65	8	4	5	4	2-3	7-8	2500	304.5	-4	W	2	bc	45	75	8	4	4	-	2-3	2-3	2500	0	2	bc	cr,rm	cr,rm	cr,rm
	Leuchars ...	304.2	+10	W	3	bc	49	65	9	1	9	-	7-8	10	1000	304.5	+2	-	0	41	85	8	5	4	-	1	2-3	4000	1	*	bc	cr,rm	cr,rm	cr,rm	
12	Renfrew (Abbots L.)	304.3	+2	WSW	2	bc	51	75	8	6	3	4-6	7-8	3000	304.6	0	-	0	46	92	6	8	-	-	9	9	2000	1	*	bc	cr,rm	cr,rm	cr,rm		
	Eskdalemuir ...	304.8	0	W	3	C	46	75	8	8	-	2	2-3	7-8	1500	304.9	0	SW	1	C	42	92	7	5	-	-	9	9	1500	1	*	bc	cr,rm	cr,rm	cr,rm
	Point of Ayre ...	306.4	+2	WNW	3	C	50	75	8	1	1	-	7-8	10	2500	304.8	-2	SW	1	C	41	92	8	4	7	-	1	7-8	2500	1	1	C	cr,rm	cr,rm	cr,rm
13A	Tiree ...	303.8	0	NE/E	1	bc	50	75	9	2	-	-	4-6	4-6	3000	304.0	0	NNE	1	bc	42	92	9	7	-	-	2-3	2-3	3000	0	1	bc	cr,rm	cr,rm	cr,rm
13B	Stornoway ...	304.0	+10	NW	1	pp	47	85	9	6	-	-	7-8	10	1800	304.3	+12	WNW	1	C	44	85	8	5	7	-	7-8	10	2000	1	1	bc	cr,rm	cr,rm	cr,rm
15	Dalwhinnie ...	304.0	+8	N	1	bc	46	65	8	7	-	-	4-6	4-6	2500	305.8	+2	N	1	C	40	85	8	4	-	-	9	9	1500	0	*	bc	cr,rm	cr,rm	cr,rm
	Aberdeen ...	303.8	+14	NW	3	bc	48	85	8	8	-	-	2-3	2-3	4000	304.0	+12	NW	1	b	37	97	6	8	-	-	7-8	10	4000	1	1	rr,rr	rr,rr	rr,RR	rr,rr
	Wick ...	302.7	+12	WNW	2	bc	46	85	8	8	7	1	2-3	4-6	1500	304.6	+16	WNW	2	bc	42	85	7	8	6	8	2-3	4-6	2500	1	1	rr,rr	rr,rr	rr,RR	rr,rr
16	Lerwick...	301.7	+16	N	4	C	50	65	8	8	7	4	4-6	7-8	2500	303.6	+14	NNW	3	bc	48	85	8	8	-	-	4-6	4-6	2500	1	*	C	cr,rm	cr,rm	cr,rm
17	Blackod Point...	306.1	-12	SW	1	C	49	85	8	-	7	-	0	10	-	305.5	0	-	0	47	85	8	7	-	-	9	9	1500	1	1	C	cr,rm	cr,rm	cr,rm	
18	Malin Head ...	306.3	+2	W	2	C/pr	48	92	9	9	-	-																							



Abridged observations of additional stations in the AVIATION WEATHER CODE																			
13h. G.M.T. 3rd November				18h. G.M.T.				01h. G.M.T. 4th November				07h. G.M.T.							
III	C <sub>M</sub>	W	h <sub>N</sub>	DDFWN	III	C <sub>M</sub>	W	h <sub>N</sub>	DDFWN	III	C <sub>M</sub>	W	h <sub>N</sub>	DDFWN	III	C <sub>M</sub>	W	h <sub>N</sub>	DDFWN
109	80	25	55	26385	80	00	96	1	20281										
115	52	81	44	20385	52	10	94	4	28215	52	02	94	4	20326	87	10	54	2	0325
203																			
206	8-	01	86	24115	56	02	86	5	00086	50	01	86	3	00023	50	00	86	3	00013
210	84	02	95	22385	46	02	95	2	22126										
220																			
230	80	00	55	30014	45	01	85	1	00014	50	00	86	2	00002	5-	02	86	0	04126
245	84	01	96	28424	4-	02	95	5	28115	51	02	76	5	24225					
280	19	05	66	24116	40	05	56	3	00003	00	47	19	0	00040	50	43	26	0	00043
277	81	02	94	22325	23	05	64	2	08124	00	47	29	0	27240	53	22	86	3	32267
279	--	02	76	24447															
285															5-	03	63	1	0228
288	50	02	86	20327	07	02	79	0	14227	53	03	66	4	00027	52	47	36	0	00028
273															00	09	89	0	16100
301	57	02	75	23123	57	05	56	5	00023	5-	62	54	8	08168	02	62	44	8	08168
321																			
299	57	02	74	24315	5-	08	45	8	00028	--	67	35	8	16168	--	44	30	0	2149
292	17	02	95	20117	57	05	64	5	22215	5-	05	64	8	00028	87	02	84	0	00025
310										5-	05	58	3	01128	51	08	44	0	00008
316	52	02	57	22123	62	67	34	5	00068	62	52	45	5	08168	02	57	34	8	08168
333	52	02	96	16123	52	62	74	5	04168	5-	02	75	7	00067	5-	02	68	0	00028
334															--	03	54	0	04128
340										6-	62	48	0	00068	62	61	35	1	0368
136	51	02	77	22328	02	62	59	1	18168	02	63	66	8	00068	02	57	48	0	04268
336															--	64	53	2	8468
350	5-	62	76	16368											C-	67	12	8	08268
368																			
379					02	64	61	3	0168	--	57	20	0	06255	--	67	10	9	08163
390					62	64	43	6	23168	5-	57	22	1	02268	62	67	21	0	00068
382	5-	62	68	12168	02	64	54	8	07268	5-	05	52	8	00028	62	41	65	1	2258
438	3-	67	31	24768											02	67	09	2	22469
430					62	64	52	7	24568	62	51	52	7	22558	6-	64	51	8	20368
409	02	67	30	20668	02	64	58	2	22768	02	64	41	8	20568	3-	02	73	6	52666
III = Index Number of Station—See M.O. 252 or list issued on 1st of each month. ww, W = Present and past weather—See M.O. 252. h, h <sub>N</sub> = Height and amount of low cloud—See M.O. 252. N <sub>T</sub> = Total amount of cloud—See M.O. 252. C <sub>M</sub> , C = Form of low and medium cloud—See page 1. V = Visibility. F = Force of wind—See page 4. DD = Direction of wind (S = E, 16 = S, 24 = W, 32 = N).																			

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 4th November, 1940
1 S.E. England	Wind S.W. to W, fresh, strong to gale on coast at first, veering N.W. to N. falling light; cloudy, some local occasional rain or drizzle at first, becoming fair to fine; rather widespread fog developing tonight, persisting in places tomorrow; colder than of late.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind veering N.W. to N. strong locally at first, becoming N.W. moderate bright periods, local showers at first; some fog inland tonight; colder.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Winds northerly, moderate, backing N.W. to W, light; cloudy, local rain at first, becoming fair; fog developing in places tonight, tending to persist locally tomorrow; rather cold, frost locally at night
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light variable winds, freshening from S.W. tomorrow; considerable bright periods today; showers or occasional rain tomorrow; fog locally tonight and tomorrow morning; rather cold, frost at night
13 { A.W. Scotl <sup>d</sup> . B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind W. backing S.W., light to moderate, freshening; bright periods local showers today; more general showers or occasional rain tomorrow; local fog in morning; rather cold, with frost locally at night.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	



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

**GENERAL INFERENCE:**  
A complex and deepening depression centred over the Bristol Channel is moving quickly E.N.E. and will be followed by a feeble ridge of relatively high pressure. A further disturbance will develop on the Atlantic, and move slowly towards our N.W. coasts. There will be some occasional rain at first in the eastern counties, but otherwise weather will be mainly fair today, & considerable fog is expected to develop tonight. Western districts will experience showers or occasional rain tomorrow.

**FURTHER OUTLOOK.**  
Further Outlook.  
Continuing Unsettled.

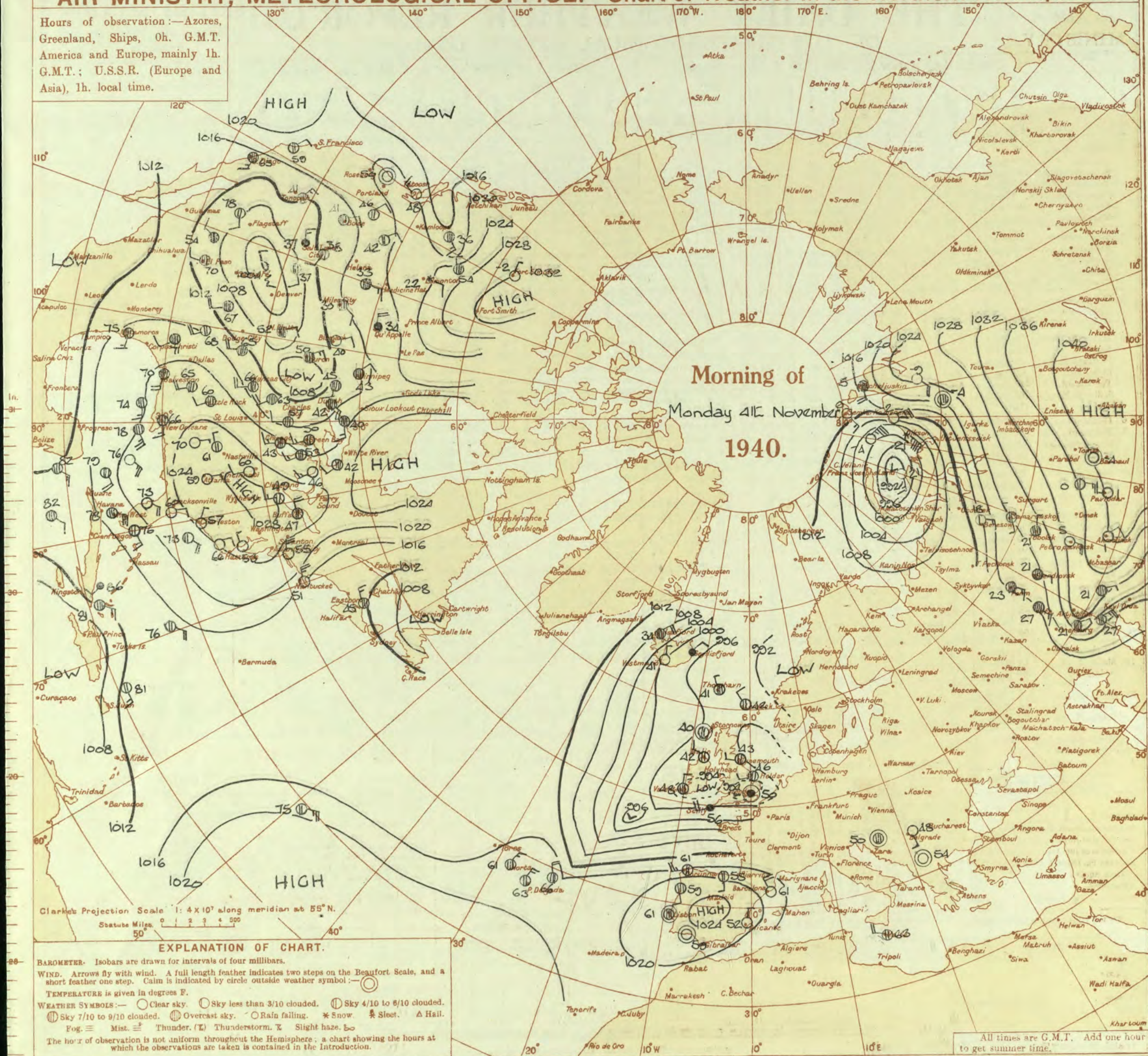
▼ Gale warning issued at 0825 2/11 for districts 5, 6, 10 & 20, and at 1040 2/11 for district 1

Forecasts issued at 1030h G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.



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

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





## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Monday, 4th November, 1940.

No 28,837.

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.	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.					Sea.	TEMPERATURE.			RAINFALL.		Sun-shine 3rd Hrs.		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	State of Ground.	0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.		Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.					
																																	0-12	0-9		Low.	Med.
1	London (Kew)	18	30.2	+2	W	2	cl	50	97	4	-	10	10	800	30.5	-36	SSW	3	rr	53	97	5	6	2	-	7-8	9	1500	1	52	48	48	15	16	0.0		
	Croydon	217	30.3	+2	W	2	cl	50	97	4	-	10	10	800	30.5	-10	WSW	2	rr	55	97	5	6	2	-	4-6	10	300	1	52	48	48	19	9	0.0		
	S. Farnborough	226	30.3	+2	WNW	2	cl	54	97	5	2	-	9	10	2200	30.6	-34	SE	3	rr	55	97	6	8	3	-	4-6	7-8	2000	2	54	52	50	21	9	0.0	
	Boscombe Down	417	30.5	+2	WSW	2	cl	58	97	7	5	2	-	2-3	10	500	30.8	-38	SE	5	97	6	6	2	-	9	10	600	1	58	54	52	20	4	0.0		
	Calshot (Stmtn.)	8	30.4	-2	W	4	cl	58	97	6	5	-	10	10	200	30.1	-22	SSW	4	rr	56	97	5	5	-	-	10	10	500	1	58	55	54	24	0	0.0	
	Lympe	346	30.4	-6	SW	5	cl	58	97	5	6	2	-	9	10	400	30.3	+8	SSW	1	rr	55	97	4	-	2	-	10	10	100	1	58	55	42	22	11	0.0
	Manston	154	30.2	-18	SSW	2	cl	55	97	5	6	-	10	10	300	30.7	0	-	0	rr	51	97	5	6	2	-	9	10	400	1	58	55	42	22	11	0.0	
2	Shoeburyness	11	30.3	+14	E'S	4	cl	50	97	5	5	-	10	10	300	30.4	-6	ESE	4	cl	50	97	7	5	-	-	10	10	500	1	51	45	45	4	13	0.0	
	Felixstowe	15	30.3	-2	NE'E	3	cl	48	95	6	6	-	10	10	800	30.4	-4	SE	3	cl	49	92	6	6	-	-	10	10	1000	1	52	44	40	0.6	9	0.0	
	Gorleston	5	30.5	-2	NE'E	3	cl	48	95	6	6	-	10	10	800	30.4	-4	SE	3	cl	49	92	6	6	-	-	10	10	1000	1	52	44	40	0.6	9	0.0	
	Mildenhall	19	30.4	-6	NNE	2	cl	45	97	5	2	-	10	10	600	30.8	-14	E'S	2	cl	46	97	5	6	2	-	4-6	10	500	1	51	43	42	0.5	3	0.0	
	Cranwell	240	30.5	0	E'S	2	cl	44	97	3	6	-	10	10	1200	30.4	-18	E'S	3	cl	44	97	3	6	-	-	10	10	700	1	49	43	42	0.5	3	0.0	
3	Birmingham	535	30.4	+2	NE	3	cl	43	97	6	2	-	10	10	500	30.6	-28	E	3	cl	42	97	3	6	-	-	10	10	430	1	45	42	42	7	8	0.0	
	Upper Heyford	408	30.4	+2	NE	3	cl	43	97	6	2	-	10	10	500	30.1	-18	NE	3	cl	46	97	2	-	-	-	10	10	4150	1	50	45	45	7	8	0.0	
4	Ross-on-Wye	223	30.4	+2	NE	3	cl	43	97	6	2	-	10	10	500	30.1	-40	NE'E	1	RR	47	97	3	-	2	-	10	10	450	1	51	47	47	10	19	0.0	
5	Hartland Point	209	30.4	+4	W	4	cl	53	97	8	5	2	-	7-8	9	1500	30.6	-50	WSW	6	cl	56	97	7	6	2	-	7-8	9	1500	1	57	54	53	18	5	0.0
	Bristol	209	30.5	+2	W	1	cl	51	97	5	2	-	10	10	200	30.1	-38	SSW	3	cl	55	97	8	6	7	-	9	9	700	1	55	54	54	20	5	0.0	
	Portland Bill	32	30.5	+10	SW	6	cl	55	97	7	5	-	10	10	2500	30.7	-30	SW	6	cl	58	97	7	5	-	-	10	10	2500	1	58	54	54	10	5	0.0	
	Plymouth	82	30.6	+10	W	6	cl	56	97	5	6	2	-	9	10	400	30.1	-26	W	6	cl	56	97	5	9	-	-	9	10	400	1	58	55	54	21	7	0.0
	The Lizard	240	30.6	+4	SW	4	cl	57	97	6	5	-	10	10	800	30.1	-20	WSW	7	cl	54	97	8	8	-	-	4-6	4-6	2000	1	58	53	53	11	6	0.0	
	Scilly (St. Mary's)	163	30.5	-2	SW	4	cl	58	97	6	6	-	10	10	500	30.9	-20	SW	6	cl	56	97	7	8	-	-	2-3	2-3	1500	1	58	55	55	13	4	0.0	
	Guernsey	175	30.5	-2	SW	4	cl	58	97	6	6	-	10	10	500	30.9	-20	SW	6	cl	56	97	7	8	-	-	2-3	2-3	1500	1	58	55	55	13	4	0.0	
6	Pembroke	142	30.3	+2	W	2	cl	54	97	7	8	2	-	4-6	9	1000	30.7	-20	NW	4	cl	52	97	6	8	2	-	7-8	10	1000	1	55	52	52	13	14	0.0
7	Holyhead	26	30.4	-2	ENE	3	cl	48	95	6	5	-	9	9	2000	30.3	-10	NE	4	cl	48	92	6	5	7	-	2-3	10	4000	1	51	46	44	Tr	Tr	0.0	
	Chester (Sealand)	16	30.4	0	E	1	cl	46	92	5	5	2	-	10	10	1500	30.1	-18	E	1	cl	45	92	6	5	-	-	10	10	1200	1	51	43	44	Tr	Tr	0.0
8	Manchester	70	30.4	-2	-	0	cl	46	92	4	5	-	10	10	2000	30.2	-20	EN	1	cl	45	92	4	5	2	-	9	10	1500	1	50	43	42	-	0.6	0.0	
10	Spurn Head	29	30.5	0	WSW	1	cl	46	97	6	6	2	-	2-3	9	2500	30.4	-2	-	0	cl	45	92	6	5	-	-	10	10	2500	1	50	44	44	-	Tr	0.0
	Catterick	175	30.5	0	-	0	cl	40	97	7	7	-	0	9	-	30.4	-12	-	0	cl	40	97	4	-	2	-	-	10	10	1500	0	49	38	34	-	Tr	0.3
	Tynemouth	108	30.6	0	W	1	cl	43	95	6	5	-	4-6	4-6	2500	30.1	-10	NW	2	cl	43	95	6	8	-	-	7-8	7-8	2500	1	50	40	35	-	-	0.3	
11	St. Abbs Head	280	30.5	-4	-	0	cl	44	95	8	4	4	-	1	2-3	2500	30.5	-4	WNW	1	cl	43	92	8	8	7	7	4-6	10	2500	0	48	43	43	-	-	0.0
	Leuchars	36	30.5	+2	W	1	cl	44	95	8	4	4	-	1	2-3	2500	30.5	+2	ENE	1	cl	42	92	3	5	-	-	9	9	3000	1	53	40	37	0.1	Tr	3.0
12	Renfrew (Abbots I.)	19	30.5	0	ENE	1	cl	43	97	3	5	-	9	9	1800	30.7	+2	ENE	1	cl	42	92	3	5	-	-	9	9	3000	1	53	40	37	0.1	Tr	3.0	
	Eskdalemuir	794	30.5	0	ENE	1	cl	43	97	3	5	-	9	9	1800	30.7	+2	ENE	1	cl	42	92	3	5	-	-	9	9	3000	1	53	40	37	0.1	Tr	3.0	
	Point of Ayre	30	30.4	0	SE	1	cl	43	95	8	4	-	2-3	2-3	4000	30.3	-8	ENE	2	cl	46	92	8	8	7	-	10	10	2500	1	47	34	30	Tr	0.3	3.1	
13A	Tiree	22	30.5	0	SE	1	cl	43	95	8	4	-	2-3	2-3	4000	30.3	-8	ENE	2	cl	46	92	8	8	7	-	10	10	2500	1	47	34	30	Tr	0.3	3.1	
13B	Stornoway	80	30.5	+4	-	0	cl	40	85	7	5	-	4-6	4-6	2000	30.5	+4	W	1	cl	39	92	8	5	-	-	4-6	4-6	2000	1	49	38	38	0.3	-	3.8	
15	Dalwhinnie	1176	30.5	0	SE	1	cl	43	95	8	4	-	2-3	2-3	4000	30.5	+4	W	1																		



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Tuesday 5th November 1940  
No. 28838

DIRECTION.	OBSERVATIONS at 13h. G.M.T. 4th November														OBSERVATIONS at 18h. G.M.T. 4th November														PAST 24 HOURS.									
	STATIONS. (For heights see p. 4.)	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)	WEATHER.										
				Dirce. (3)	Force. 0-12 (4)					Low. (10)	Med. (11)	High (12)	Low 0-10 (13)			Total 0-10 (14)	Low 0-10 (23)					Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)			Height of Base (feet) (28)	7h.-13h. 4th (37)	13h.-18h. 4th (38)	18h. to 1h.-5th (39)	1h.-7h. 5th (40)						
																																	Form.	Amount.	Height of Base. (feet) (14)	Form.	Amount.	Height of Base (feet) (28)
1	London (Kew)...	388.3	-12	SW	5	id	57	85	7	7	7-8	31	1500	1001.7	+82	WNW	4	20	50	85	5	5	-	-	10	10	1500	1	*	crimcid	cpccid	bbwff	bbwff					
	Croydon ...	388.8	-10	SW	4	id	56	82	7	2	6	-	4-6	7-8	2000	1000.3	+94	WNW	3	m	49	85	4	5	-	-	7-8	10	1200	1	*	cpccid	cpccid	bbwff	bbwff			
	S. Farnborough	389.3	-10	SW	5	id	58	85	6	8	3	-	9	10	2200	1002.8	+60	W	5	20	48	85	6	5	-	-	10	10	2000	1	*	Rbpcr	prpbcr	*	bbwff	bbwff		
	Boscombe Down	390.2	+2	W	5	id	56	85	7	8	-	-	9	9	1000	1003.7	+66	WNW	4	20	48	85	6	4	-	-	1	1	2000	1	*	cpccid	cpccid	bbwff	bbwff			
	Calshot (Soton.)	390.2	-10	WS	5	id	57	87	6	8	-	-	4-6	7-8	2500	1004.2	+82	WNW	4	20	51	85	6	-	-	0	0	-	-	10	10	1200	1	2	cpccid	cpccid	bbwff	bbwff
	Lympe	391.7	-8	WSW	4	id	58	85	7	8	-	-	9	9	900	1000.3	+34	NW	5	50	52	7	8	-	-	10	10	1200	1	5	cpccid	cpccid	bbwff	bbwff				
	Manston	389.6	-8	WSW	6	id	59	75	8	4	-	-	4-6	4-6	1200	998.3	+86	WNW	6	CQ	49	32	5	6	2	-	3	10	200	*	cpccid	cpccid	bbwff	bbwff				
2	Shoeburyness ...	389.6	-8	SW	3	id	59	75	8	8	6	-	7-8	9	1500	1000.6	+110	NW	3	ir	49	37	5	6	2	-	7-8	10	1500	1	*	cpccid	cpccid	bbwff	bbwff			
	Felixstowe	387.5	-18	NW	3	id	57	85	7	2	6	-	7-8	7-8	2000	997.8	+84	NW	4	ir	48	32	5	5	-	-	10	10	1000	1	3	cpccid	cpccid	bbwff	bbwff			
	Gorleston	386.9	-4	NE	7	id	50	92	6	6	-	-	3	9	1000	997.0	+70	NNE	3	rr	48	92	6	6	-	-	10	10	1000	1	2	cpccid	cpccid	bbwff	bbwff			
	Mildenhall	387.6	-2	E	3	id	50	97	8	5	2	-	9	10	2000	999.0	+86	NW	3	rr	47	97	6	6	2	-	4-6	10	4000	1	*	cpccid	cpccid	bbwff	bbwff			
	Cranwell	392.2	+6	NE	4	id	45	97	6	6	-	-	10	10	600	1000.3	+74	NW	4	rr	44	92	5	6	-	-	10	10	600	2	*	cpccid	cpccid	bbwff	bbwff			
3	Birmingham	393.4	+20	N	2	id	45	92	4	6	-	-	10	10	800	1003.2	+60	WNW	3	m	44	92	4	6	-	-	9	9	800	1	*	cpccid	cpccid	bbwff	bbwff			
	Upper Heyford	390.4	+16	NW	3	id	47	92	6	5	2	-	7-8	10	800	1002.3	+72	WNW	4	m	45	92	6	5	-	-	10	10	300	1	*	cpccid	cpccid	bbwff	bbwff			
4	Ross-on-Wye ...	394.2	+34	NW	3	id	47	92	6	5	-	-	10	10	1500	1004.1	+50	W	4	20	47	85	6	5	-	-	3	3	2500	1	*	cpccid	cpccid	bbwff	bbwff			
5	Hartland Point	397.2	+62	NNW	5	id	53	75	5	8	7	-	7-8	9	1500	1006.7	+52	NNW	4	c	50	75	8	2	6	-	4-6	78	1500	1	3	cpccid	cpccid	bbwff	bbwff			
	Bristol ...	393.4	+48	NW	3	id	49	92	5	8	7	-	7-8	9	2500	1004.9	+68	NW	4	20	47	85	6	5	-	-	2-3	2-3	3000	1	*	cpccid	cpccid	bbwff	bbwff			
	Portland Bill	393.3	+20	NW	6	id	56	92	7	2	-	-	7-8	7-8	4000	1006.2	+40	W	6	bc	54	85	8	3	-	-	4-6	4-6	2500	0	5	cpccid	cpccid	bbwff	bbwff			
	Plymouth	398.0	+68	NW	5	id	53	85	7	8	2	-	9	10	1400	1009.2	+30	WNW	5	bc	51	75	8	8	6	-	4-6	4-6	2000	0	3	cpccid	cpccid	bbwff	bbwff			
	The Lizard	1000.1	+40	NW	7	id	54	85	8	8	6	-	4-6	4-6	2500	1009.0	+34	WNW	4	bc	52	85	8	8	4	3	2-3	4-6	1500	1	4	cpccid	cpccid	bbwff	bbwff			
	Scilly (St. Mary's)	1001.8	+72	WNW	6	id	55	65	7	8	6	-	4-6	4-6	1500	1009.0	+34	WNW	4	bc	52	85	8	8	4	3	2-3	4-6	1500	1	4	cpccid	cpccid	bbwff	bbwff			
	Guernsey																																					
6	Pembroke ...	397.2	+40	NW	7	id	52	85	7	8	6	-	9	9	2500	1003.1	+42	NNW	4	bc	50	75	8	8	-	-	4-6	4-6	2800	1	3	cpccid	cpccid	bbwff	bbwff			
7	Holyhead	393.8	+36	NE	3	id	45	85	5	9	-	-	9	9	1200	1002.7	+50	WNW	2	20	45	92	5	8	-	-	7-8	7-8	2500	1	*	cpccid	cpccid	bbwff	bbwff			
8	Chester (Sealand)	394.9	+34	NW	2	id	45	92	4	-	2	-	10	10	600	1002.4	+34	NW	2	20	43	97	4	5	-	-	7-8	9	2800	1	*	cpccid	cpccid	bbwff	bbwff			
	Manchester	394.1	+22	NE	3	id	45	85	4	-	2	-	10	10	700	1002.4	+34	NW	2	20	43	97	4	5	-	-	7-8	9	2800	1	*	cpccid	cpccid	bbwff	bbwff			
10	Spurn Head	391.3	-2	NNW	4	id	47	92	6	6	2	-	4-6	10	2500	999.1	+26	NNW	3	RR	46	92	7	6	2	-	7-8	9	2500	1	2	cpccid	cpccid	bbwff	bbwff			
	Catterick	395.3	+10	NE	2	id	44	97	4	6	2	-	4-6	10	1000	1001.5	+40	NNW	2	RR	43	85	6	5	-	-	9	9	2000	1	4	cpccid	cpccid	bbwff	bbwff			
	Tynemouth	396.0	+6	E	3	id	48	75	8	8	-	-	9	9	2000	1001.7	+40	NW	3	cp	45	85	7	2	-	-	7-8	7-8	2500	1	2	cpccid	cpccid	bbwff	bbwff			
11	St. Abbs Head	396.6	+4	NE	1	id	44	85	8	3	2	-	4-6	9	2000	1000.8	+20	NW	1	c	45	85	8	5	4	-	4-6	7-8	2500	1	1	cpccid	cpccid	bbwff	bbwff			
	Leuchars	397.3	+10	NE	3	id	45	75	6	2	4	-	2-3	2-3	4000	1001.6	+30	W	1	40	75	6	-	3	-	0	2-3	-	-	-	1	*	cpccid	cpccid	bbwff	bbwff		
12	Renfrew (Abbots L.)	398.1	+8	NE	3	id	49	75	3	2	-	-	2-3	2-3	4000	1002.6	+32	W	2	bf	33	92	2	-	-	0	0	-	-	-	1	*	cpccid	cpccid	bbwff	bbwff		
	Eskdalemuir	396.0	+14	NE	3	id	45	75	7	8	-	-	7-8	7-8	2500	1001.1	+32	-	0	40	85	8	5	-	-	2-3	2-3	2500	1	*	cpccid	cpccid	bbwff	bbwff				
	Point of Ayre	396.9	+22	NE	4	id	49	85	8	7	4	4	4-6	7-8	4000	1002.6	+26	W	2	b	43	85	8	2	4	-	Tr	1	2500	0	1	cpccid	cpccid	bbwff	bbwff			
13A	Tiree ...	397.8	+4	NE	1	id	48	75	8	1	-	-	2-3	2-3	3500	1001.4	+10	-	0	c	46	85	8	5	-	-	9	9	2800	0	1	cpccid	cpccid	bbwff	bbwff			
13B	Stornoway	398.5	+6	SW	1	id	51	55	9	5	3	-	4-6	7-8	2500	1001.6	+8	-	0	bc	41	92	7	5	-	-	2-3	2-3	2000	1	0	cpccid	cpccid	bbwff	bbwff			
15	Dalwhinnie	*	+14	NNW	1	id	41	75	8	-	-	-	2-3	2-3	2500	*	+22	SSW	1	b	23	92	8	4	-	-	Tr	Tr	4000	0	*	cpccid	cpccid	bbwff	bbwff			
	Aberdeen	397.9	+8	NNW	2	id	47	75	8	8	-	-	2-3	2-3	2500	1001.3	+24	NW	2	38	92	7	8	-	-	1	1	2500	1	1	cpccid	cpccid	bbwff	bbwff				
	Wick	397.7	+6	NNW	1	id	50	75	9	3	3	-	1	1	3000	1000.4	+16	WNW	2	cp	42	92	8	7	-	-	4-6	7-8	1500	1	1	cpccid	cpccid	bbwff	bbwff			
16	Lerwick...	398.0	+8	NE	1	id	48	75	8	5	3	-	4-6	9	1500	999.3	+10	SE	1	c	43	85	8	8	3	-	4-6	7-8	1500	1	*	cpccid	cpccid	bbwff	bbwff			
17	Blacksod Point...	1000.1	+16	NNW	1	id	52	65	8	3	-	-	4-6	4-6	4000	1000.9	+4	-	3	c	50	85	8	3	-	-	7-8	7-8	800	0	2	cpccid	cpccid	bbwff	bbwff			
18	Malin Head	398.2	+16	NNW	1	id	50	75	8	4	-	-	4-6	4-6	5700	1002.1	+24	-	0	bc	41	92	8	4	-	-	2-3	2-3	5700	1	2	cpccid	cpccid	bbwff	bbwff			
	Aldergrove	398.5	+18	WS	1	id	45	92	7	2	3	-	1	4-6	2500	1003.0	+30	SW	1	b	41	92	9	4	-	-	Tr	Tr	4000	1	*	cpccid	cpccid	bbwff	bbwff			
19	Birr Castle	1001.3	+26	NNW	1	id	50	75	8	2	-	-	2-3	2-3	2500	1004.5	+16	SW	4	bc	42	92	8	-	3	-	0	2-3	-	1	*	cpccid	cpccid	bbwff	bbwff			
20	Valentia Obsy. †	1003.2	+24	NNW	3	id	53	65	9	8	-	-	7-8	7-8	4000	1005.2	+10	SW	4	cp	50	85	9	8	-	-	7-8	7-8	2500	1	3	cpccid	cpccid	bbwff	bbwff			
	Roches Point	1002.0	+34	NNW	4	id	51	75	8	8	-	-	7-8	7-8	2500	1006.2	+20	NNW	3	cp	51	75	8	3	4	-	4-6	7-8	1500	1								

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.            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/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<sub>o</sub>, slight rain.            rr, continuous rain.            &lt;, 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.</p> <p>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: Strato cumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb.</p> <p>COLUMN 29.—STATE OF GROUND.</p> <p>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>

*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.



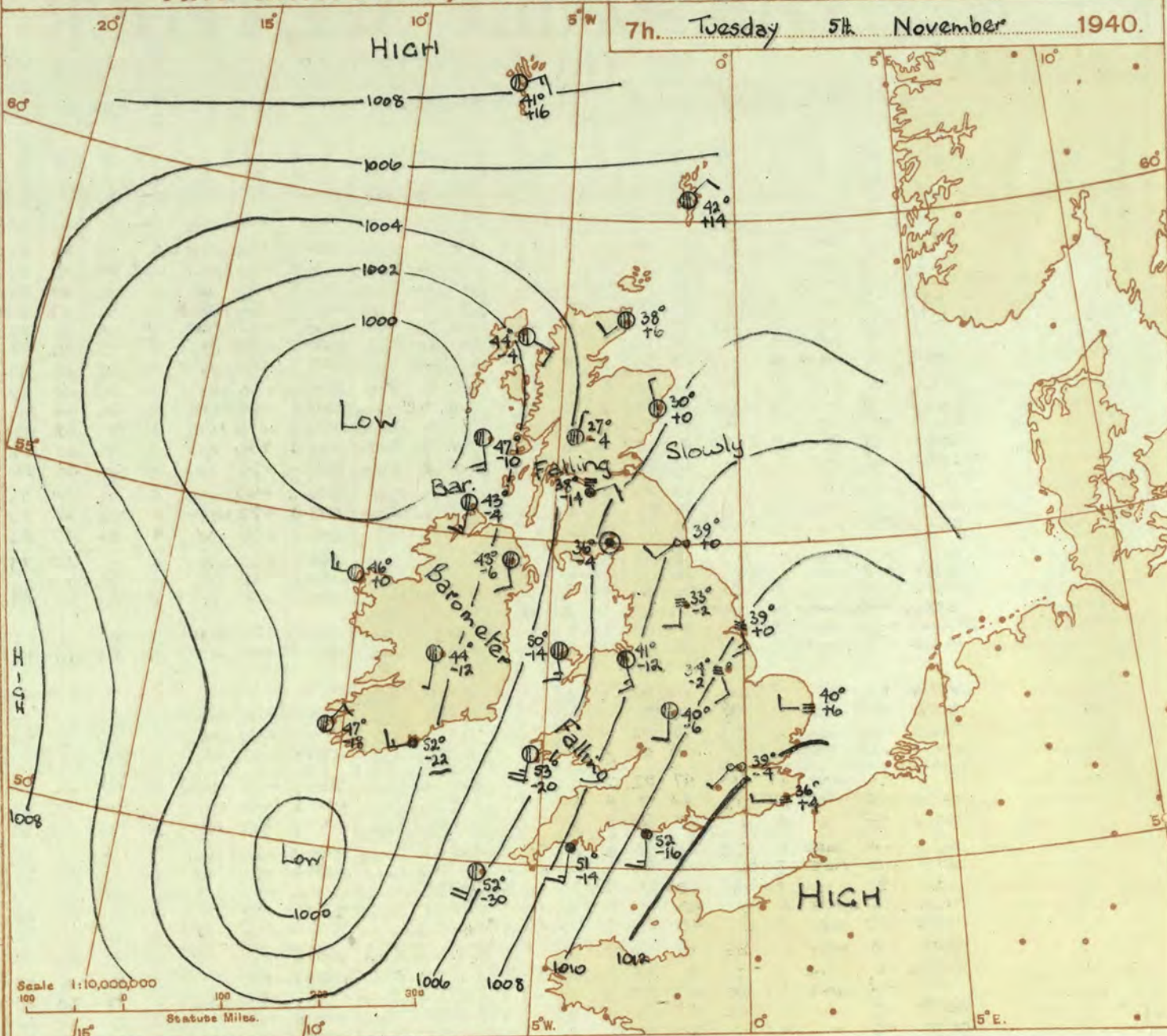
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 4th November				18h. G.M.T.				01h. G.M.T. 5th November				07h. G.M.T.			
III	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN
10930	01963	24214	5-	25755	24285	50	00852	24102	80	01563	18213				
11587	81954	20415	87	01954	28385	51	81344	20385	51	01954	20185				
2031-	01953	08213	7-	01963	16213					5-	01364	08414			
20674	01873	24123	50	00961	24211					50	01863	25113			
210			40	00961	20301	50	00861	00001	57	01863	14104				
22053	01954	04104	50	01763	05103										
23050	01963	50013	54	00861	00012	5-	01864	00014	52	62645	10268				
24380	01954	32324	00	00930	24110	50	00761	24201	57	02765	24226				
2808-	25565	32185	40	05571	00001	00	43330	00040	57	61464	00045				
27780	01853	28113	53	05663	26113	50	05672	10112	27	02353	17367				
27957	05666	28316								9-	25637	2587			
2856-	63738	02368	6-	22737	28367										
28882	05654	04368	57	25444	24185	00	05530	20180							
27336	01753	29104								43	01553	14315			
3018-	61468	32268	5-	05556	32186	5-	08456	10126	52	05556	14428				
32162	62535	32268	62	67236	28368	00	08430	24161	03	47230	16244				
29962	62745	07468	80	01743	02413	50	05643	25213	57	08443	22314				
29252	62643	28288	52	05544	28466					--	48009	00049			
310--	53428	04549	--	02426	32466					--	02628	24418			
31662	62435	32368	62	62434	32168	00	08430	18180	--	47009	00049				
33850	05654	03326	9-	81757	30387	80	01754	00014	9-	82657	16287				
334	52318	32258								--	01843	04164			
34062	67326	28368	2-	05566	28266	50	00762	15312	50	05665	14315				
13662	61727	05468	5-	64668	29468	50	05532	25362	--	46109	00049				
336-	22642	20568	53	28425	" "					--	64632	24468			
350										53	02765	16316			
368															
37962	61568	30368	5-	05545	61425	00	05530	22200	54	05653	16113				
39087	05645	20517	62	61427	28468	00	47330	25210	04	47230	16142				
38262	58627	30468	5-	08457	26427	00	05530	23100	55	05652	10113				
43892	02535	24638								80	02734	28215			
4309-	25637	55587	50	05643	26583	00	05630	26200	83	81555	00016				
409										54	01753	16313	23	02643	16485

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>3</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>3</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 5th November 1940.



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 new depression is approaching our southwest coasts and will move northeast across the British Isles. Strong south to southwest winds will again develop in the South and may reach gale force on our southwest and south coasts. Rain will spread northeast across the country but today will be fair in the East.

## FURTHER OUTLOOK.

Northwest winds; bright intervals, local showers, chiefly in the West and extreme North, local morning fog. Gale warning issued at 0920 on 5.11.40. in districts 5 and 6.

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

Forecasts issued at 10.30 a.m.

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

155/2955 2nd 4th 5th 6th 7th 8th 9th 10th 11th 12th

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930 920 910 900 890 880 870 860 850 840 830 820 810 800 790 780 770 760 750 740 730 720 710 700 690 680 670 660 650 640 630 620 610 600 590 580 570 560 550 540 530 520 510 500 490 480 470 460 450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 5th November
1 S.E. England	Freshening south wind, strong to gale tonight at exposed places, veering westerly to northwesterly tomorrow; fair at first apart from scattered showers; some rain evening and night, mainly fair tomorrow; mild today, cooler tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Fresh or strong south wind, gale locally, veering west to northwest later; occasional rain becoming continuous this evening, bright intervals and showers tomorrow; mild today, cooler tomorrow.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind south to variable finally northwest, fresh at times, but mainly moderate or light; fair at first, continuous rain evening and early night, bright intervals and local showers tomorrow; average temperature, cooler tomorrow.
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.	Light variable wind, freshening from east, backing north; mainly fair today, rain tonight, bright intervals and showers tomorrow; cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Fresh northeast wind backing northwest; rain at first, bright intervals and showers later; cool.
20 S. W. Ireland	

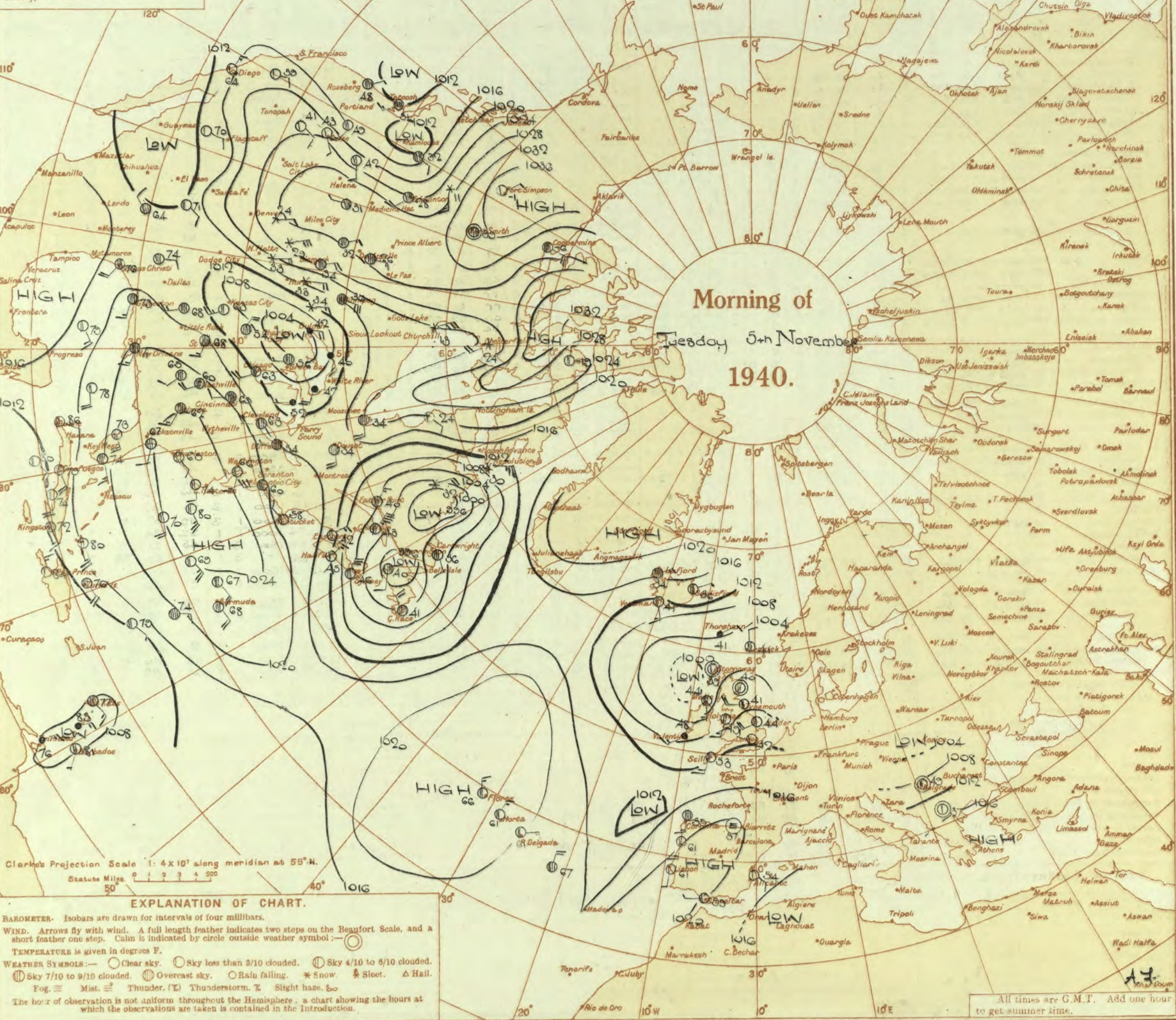


# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

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.

Morning of

Tuesday 5th November 1940.



Clarke's Projection Scale 1:4x10<sup>7</sup> 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 5/10 clouded.

○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. \* Snow. \* Sleet. Δ Hail.

Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. X Slight haze. 50

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  
 Tuesday 5th November 1940.  
 No 28,838

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.	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-9 (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. 0-9 (22)	Cloud.			Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.					RAINFALL.		Sun- SHINE Hrs. (36)					
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	State of Ground. (26)	Sea. (31)			Max. Day 7h-18h °F. (32)	Min. Night 18h-7h °F. (33)	Min. on Grass °F. (34)	Day 7h-18h mm. (35)	Night 18h-7h mm. (36)								
																																Low. (12)	Med. (13)		High. (14)	Low. (26)	Med. (27)	High. (28)	
1	London (Kew) ... 18	1011.5	1011.5	+30	NW	2	20	42	92	5	-	-	1011.5	+2	ESE	2	bef	38	92	3	5	-	1	2-3	2-3	2500	1	59	37	24	3	Tr	2.7						
	Croydon ... 217	1011.5	1011.5	+30	NW	2	20	42	92	5	-	-	1012.0	-4	SW	2	20	30	97	5	-	4	-	0	2-3	-	1	61	38	36	3	Tr	1.9						
	S. Farnborough ... 226	1012.0	1012.0	+24	SW	2	20	39	92	6	-	-	1011.8	-10	SE/E	2	20	30	92	6	5	3	6	Tr	4-6	3000	1	60	33	29	3	7	1.6						
	Boscombe Down ... 417	1012.3	1012.3	+20	SW	2	20	40	85	6	-	-	1010.9	-12	SE/E	3	20	37	97	6	8	-	4	2-3	9	2500	1	59	34	32	0.5	-	2.4						
	Calshot (Stmntn.) ... 8	1012.4	1012.4	+22	W	3	20	42	92	6	-	-	1011.6	-8	SE	1	c/pr	49	92	6	8	4	2	2-3	7-8	2000	1	61	41	38	2	Tr	1.7						
	Lympne ... 346	1012.0	1012.0	+34	W	2	20	42	92	6	-	-	1013.8	+4	W	1	fg	36	97	7	-	-	4	0	4-6	-	1	58	34	27	7	Tr	0.6						
	Manston ... 154	1010.9	1010.9	+30	WNW	3	20	44	92	5	-	-	1013.3	8	SW	2	20	40	97	6	-	-	4	0	2-3	-	1	58	34	27	7	Tr	0.6						
2	Shoeburyness ... 11	1010.3	1010.3	+30	W/N	4	20	46	92	6	5	-	-	1012.8	+4	SW	1	bc	41	97	4	-	4	-	2-3	-	1	61	40	30	6	0.5	2.8						
	Felixstowe ... 15	1010.3	1010.3	+30	W/N	4	20	46	92	6	5	-	-	1011.8	+2	W	2	20	40	92	5	-	4	-	0	Tr	-	1	60	40	34	3	1	2.0					
	Gorleston ... 5	1008.6	1008.6	+3	WNW	3	20	46	92	6	5	-	-	1011.7	+6	W	2	F+	40	97	1	5	-	10	10	4-150	1	2	52	40	36	14	6	0.1					
	Mildenhall ... 19	1009.7	1009.7	+34	W/S	3	20	43	92	6	5	-	-	1011.3	+2	SW	2	20	39	92	6	-	7	-	0	Tr	-	1	50	38	30	26	1	0.0					
	Cranwell ... 240	1009.4	1009.4	+22	W	4	m	41	97	4	-	-	1010.4	-2	SSE	2	m	34	97	4	-	3	1	0	1	-	1	46	33	26	15	1	0.0						
3	Birmingham ... 535	1010.6	1010.6	+22	W	3	b	37	97	7	-	-	1009.7	+6	S	2	bc	40	92	5	-	7	-	0	4-6	-	1	45	38	32	17	-	0.0						
	Upper Heyford ... 408	1010.6	1010.6	+22	W	3	b	37	97	7	-	-	1010.7	-6	SE	2	20	37	92	6	5	5	5	1	4-6	3000	1	52	35	27	27	-	0.1						
4	Ross-on-Wye ... 223	1009.3	1009.3	-6	N	1	fg	41	97	5	-	-	1009.3	-6	N	1	fg	41	97	5	-	9	2-3	4-6	800	1	48	38	30	17	-	0.1							
5	Hartland Point ... 209	1009.8	1009.8	+4	WSW	5	pr	53	85	8	3	-	-	1006.8	-16	S	4	bc	47	92	8	3	4	1	1	2-3	2000	1	56	47	44	2	0.1	1.7					
	Bristol ... 209	1011.8	1011.8	+14	WSW	2	20	44	85	6	5	-	-	1009.9	-14	S/E	3	c/pr	48	92	7	3	6	-	7-8	9	4500	1	59	42	32	2	Tr	1.5					
	Portland Bill ... 32	1012.8	1012.8	+14	W	4	bc	53	85	8	5	-	-	1010.0	-16	S	3	rr	52	92	8	5	-	-	10	10	2500	1	50	51	-	-	-	-					
	Plymouth ... 82	1012.2	1012.2	+8	SW	3	bc	43	92	6	8	-	-	1009.1	-14	SW	3	rr	51	97	6	8	-	-	9	9	1800	1	59	42	36	-	4	0.2					
	The Lizard ... 240	1011.7	1011.7	+2	SW/S	4	bc	53	92	8	8	-	-	1007.1	-20	S	4	c	53	97	8	8	2	-	9	10	2000	1	57	50	-	0.5	-	5.9					
	Scilly (St. Mary's) ... 163	1010.6	1010.6	-4	SW/S	4	bc	53	92	7	8	-	-	1005.8	-30	SSW	4	bc	52	85	8	8	-	-	4-6	4-6	1500	1	56	50	-	-	0.4	5.2					
	Guernsey ... 175	1010.6	1010.6	-4	SW/S	4	bc	53	92	7	8	-	-	1005.8	-30	SSW	4	bc	52	85	8	8	-	-	4-6	4-6	1500	1	56	50	-	-	0.4	5.2					
6	Pembroke ... 142	1008.7	1008.7	-2	SW	5	bc	53	85	8	2	-	-	1004.9	-20	SSW	5	bc	53	85	8	8	7	-	4-6	4-6	3000	1	53	50	-	-	0.5	8.1					
7	Holyhead ... 26	1007.1	1007.1	+6	SW	3	bc	49	75	8	5	3	-	1004.8	-14	S/E	3	c/pr	50	85	8	9	2	-	9	9	2200	1	50	47	41	2	0.1	0.1					
	Chester (Sealand) ... 16	1008.8	1008.8	+12	SE/S	1	b	39	92	6	-	-	1007.3	-12	SSE	3	c	41	92	7	5	-	-	7-8	7-8	4000	1	47	37	29	2	1	0.0						
8	Manchester ... 70	1009.6	1009.6	+22	E	1	F	37	97	0	-	-	1008.4	-12	E/S	1	ir	40	97	5	5	7	-	4-6	0	1	46	31	27	5	Tr	0.0							
10	Spurn Head ... 29	1008.2	1008.2	+24	W/S	4	bc	44	92	6	-	-	1009.7	0	S/E	3	m	39	92	4	5	-	-	4-6	4-6	800	1	47	38	-	12	0.2	0.0						
	Catterick ... 175	1008.5	1008.5	+24	W	3	bc	37	92	6	-	-	1008.7	-2	S	2	ft	33	97	2	-	-	-	10	10	2150	1	44	32	27	2	-	0.0						
	Tynemouth ... 108	1007.1	1007.1	+20	W	3	bc	41	85	6	-	-	1007.5	0	SW	2	20	39	92	5	8	-	-	7-8	7-8	2400	1	48	37	35	2	0.4	-						
11	St. Abbs Head ... 280	1006.1	1006.1	+12	W	3	bc	41	75	7	4	-	-	1005.5	-6	SW	4	c	41	92	7	4	4	8	2-3	7-8	2500	0	47	37	-	11	-	-					
	Leuchars ... 36	1005.9	1005.9	+16	WSW	2	b	36	85	6	-	-	1005.6	-4	-	0	m	31	97	4	5	7	6	2-3	7-8	3500	1	47	30	25	-	-	4.5						
12	Renfrew (Abbots I.) ... 19	1006.5	1006.5	+10	0	bc	32	97	1	5	-	-	1004.7	-14	ENE	2	rf	38	97	3	5	-	-	10	10	1600	1	50	29	20	-	2	3.9						
	Eskdalemuir ... 794	1006.5	1006.5	+10	0	bc	32	97	1	5	-	-	1004.7	-14	ENE	2	rf	38	97	3	5	-	-	10	10	1600	1	50	29	20	-	2	3.9						
	Point of Ayre ... 30	1006.4	1006.4	+10	SW/S	2	b	38	97	8	4	-	-	1004.4	-14	SW	4	c/pr	48	92	8	8	7	-	2-3	7-8	1500	1	49	37	-	-	-	7.3					
13A	Tiree ... 22	1003.8	1003.8	+10	0	b	30	85	7	2	6	-	-	1000.1	-10	S/E	2	bc	47	97	7	5	-	-	9	9	1500	1	49	37	-	-	-	7.3					
13B	Stornoway ... 80	1003.8	1003.8	+10	0	b	30	85	7	2	6	-	-	1000.1	-10	S/E	2	bc	47	97	7	5	-	-	9	9	1500	1	49	37	-	-	-	7.3					
15	Dalwhinnie ... 1176	1003.8	1003.8	+10	0	b	30	85	7	2	6	-	-	1000.1	-10	S/E	2	bc	47	97	7	5	-	-	9</														



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
 ...Wednesday 6th November 1940.  
 No. 28839

OBSERVATIONS at 13h. G.M.T. 5th November														OBSERVATIONS at 18h. G.M.T. 5th 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. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (30)	Sea. 0-9 (31)	WEATHER.					
				Dirce. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)	Amount. (24)			Height of Base. (feet) (25)	7h.—13h. ...5th... (37)					13h.—18h. ...5th... (38)	18h.—5th to 1h.—6th... (39)	5th to 1h.—6th... (40)										
																										Low. (12)	Med. (13)			High (14)	Low 0-10 (26)	Med. (27)	High (28)	Low 0-10 (32)	Med. (33)
1	London (Kew)...	1007.6	-26	SSE	3	Zo	54	75	6	8	4	6	4-6	9+	2500	1000.4	-44	SE	4	Zo	50	75	6	5	2	-	4-6	10	2500	1	*	cfr,cno	ebeano	cm,rpr,cir	rmo
	Croydon ...	1008.2	-26	SSE	4	c	55	75	6	2	4	2	4-6	3	2500	1001.5	-40	SSW	3	Zo	50	85	6	4	7	-	4-6	10	1500	1	*	bmc,cpr,cbeano	cm,rpr,cir	crrr	
	S. Farnborough	1007.3	-34	S	4	c	55	75	7	8	6	6	4-6	7-8	2000	995.6	-46	SEE	3	Zo	50	85	6	5	7	-	4-6	10	3000	1	*	bemo,cpr,czono	v emf,b	berrn	
	Boscombe Down	1005.4	-40	S	5	c	53	85	7	3	-	-	7-8	3	3000	997.4	-46	SE	5	RR	49	92	6	6	2	-	7-8	10	600	1	*	cm,aor,cpr	cpr,cir	cm,rpr,cir	
	Calshot (Soton).	1007.0	-32	S	5	bc	55	85	8	-	1	4-6	4-6	2500	998.1	-58	SSE	6	RR	52	97	5	6	6	-	-	10	10	600	1	\$	cpr,m,bc,rpr,cir	RR	prbc	
	Lympe ...	1011.0	-18	S	2	%pr	53	85	8	2	-	8	4-6	7-8	2500	1004.6	-34	SSE	4	C	51	85	8	5	7	-	4-6	10	2000	1	\$ *	bcc pr	bcc bc	cm,rpr	
	Manston ...	1010.1	-22	SSE	2	c	50	92	7	8	3	-	9	9+	1200	1003.2	-44	SE	6	C	50	85	7	5	7	-	1	9+	1600	*	*	bma,bpr	cpr,bcc	cm,rpr,cir	
2	Shoeburyness ...	1003.8	-22	S'E	3	c	53	92	7	8	4	6	9	9+	4000	1003.6	-40	SE	3	C	51	85	6	5	7	-	7-8	3	2500	1	*	bmx,bcc	cpbcmo	rrRRRq	
	Felixstowe ...	1010.0	-18	S'E	3	c	54	75	8	5	3	6	1	7-8	2000	1003.8	-36	SEE	5	bc	51	78	7	4	3	8	Tf	4-6	2500	1	3	bm,bc	bccirc	bccirr	
	Gorleston ...	1010.6	-16	S'W	4	bc	51	75	7	-	5	-	0	2-3	-	1005.1	-20	J	5	Zo	51	85	6	-	1	-	0	3	-	1	3	offbc	bcc	bccq	
	Mildenhall ...	1010.4	-22	S'E	3	bc	53	75	7	-	3	6	0	4-6	-	1002.5	-36	SE	3	C	49	85	7	-	7	6	0	7-8	-	1	3	bm,bc	bcc bc	bccq	
	Cranwell ...	1007.9	-20	SSE	4	c	50	85	7	5	-	-	7-8	7-8	2500	1002.4	-40	SE'S	4	Zo	46	92	5	5	-	-	6	1	4-6	1500	1	*	bcmoc	crr,cno	bcc,rrm
3	Birmingham	1005.2	-26	S	3	c/pr	49	92	6	5	3	-	7-8	9+	1500	993.5	-42	SE	3	Zo	48	85	6	5	7	-	7-8	10	1500	1	*	bcc pr	cpr	crr	
	Upper Heyford	1007.3	-24	SSE	2	bc/pr	48	97	6	8	7	-	7-8	9+	2500	993.9	*	SSE	3	C	48	85	7	8	7	6	4-6	7-8	2000	1	*	bcc,pr,cpr	cm,bcc	cm,rpr,cir	
4	Ross-on-Wye ...	1003.5	-34	SSE	3	bc/pr	53	85	7	8	-	3	2-3	2-3	2500	997.0	-26	SE	3	rr	49	92	6	6	-	-	10	10	1500	1	*	pr,bcc	bcc,pr	crr	
5	Hartland Point	999.8	-48	SSE	4	c/r	54	85	8	8	6	-	7-8	9+	1500	993.5	-24	S	3	C	48	92	8	8	6	-	4-6	7-8	1500	1	3	bccir	crrc	cir	
	Bristol ...	1004.5	-38	S'E	4	c	55	75	8	9	6	3	7-8	7-8	2500	996.9	-22	SE	4	rr	49	92	6	-	2	-	10	10	700	1	*	cprc	cprorr	bcm,bc	
	Portland Bill ...	1004.0	-40	S	5	bc	53	92	8	5	4	-	4-6	4-6	4000	996.9	-40	SSE	5	RR	53	92	7	5	6	3	7-8	3	1200	1	5	ore	or	bcc	
	Plymouth ...	1001.9	-46	SSW	4	c	55	85	7	9	2	-	1	9+	1400	995.3	-30	S'W	4	pr	52	85	7	9	6	3	7-8	3	1200	1	4	rr,cpr	pr	cprbc	
	The Lizard ...	999.1	-40	S	7	rr	52	92	6	5	-	-	10	10	1000	994.7	-20	N'W	7	g	49	92	8	8	2	-	7-8	9+	1200	1	4	crrq	prcrr	bccq	
	Scilly (St. Mary's)	997.8	-46	SSW	5	c	52	85	8	8	7	3	4-6	9+	1200	996.1	+8	NW'W	6	c/pr	49	85	7	9	7	-	7-8	10	1000	1	3	cpo,qrr	cpr	bccq	
6	Pembroke ...	998.5	-20	S'E	6	cq	54	85	5	8	2	-	7-8	9+	2500	992.4	-18	W'W	4	rr	51	92	7	8	2	-	7-8	9+	1500	1	3	bccprq	pr	crrq	
7	Holyhead ...	1000.2	-32	SE'E	3	rr	49	97	6	8	2	-	9	10	1500	994.8	-24	E'N	4	rr	49	97	6	5	2	-	7-8	10	1500	1	2	Pr rrr	rrrrr	rrrrr	
	Chester (Sealand)	1003.4	-26	SE'S	2	Zo	49	85	6	5	7	-	4-6	9+	3000	997.2	-24	SE	3	Zo	49	85	6	5	2	-	4-6	9+	2600	1	*	cmo	cmo	cmo	
8	Manchester ...	1004.2	-30	SSE	4	Zo	49	85	5	5	7	-	4-6	10	3000	999.2	-28	ESE	3	m	48	85	4	5	7	8	4-6	9+	3800	1	*	cmo	cmo	cmo	
10	Spurn Head ...	1007.6	-10	SE'E	4	c	48	75	7	3	1	2	2-3	7-8	4000	1002.2	-16	ESE	5	C	49	92	7	5	4	-	4-6	7-8	2500	1	3	c	rrc	bcc	
	Catterick ...	1006.3	-14	SSW	1	f	38	97	3	-	-	-	10	10	1500	1001.7	-22	SSE	2	df	46	97	3	5	-	-	10	10	500	1	4	ofxof	ofidof	cmmbm	
	Tynemouth ...	1006.4	-18	SSW	2	m	45	85	4	5	-	-	9	9	1500	1002.9	-8	S	3	%	48	92	5	5	-	-	10	10	1800	1	2	cm	comir	airr	
11	St. Abbs Head	1004.6	-10	SSE	3	c	46	85	8	4	7	2	2-3	7-8	2500	1002.3	-12	S	3	C	44	92	6	5	2	-	7-8	10	2000	0	1	c	cmo	cmo	
	Leuchars ...	1004.2	-12	-	0	rr	43	97	4	5	2	-	4-6	10	2500	1001.8	-6	-	0	id	42	97	6	-	2	-	10	10	1500	1	*	crr,crr	cmo	cmo	
12	Renfrew (Abbots L.)	1002.7	-16	SE	1	Zo	48	85	6	5	7	6	4-6	10	2500	1000.9	-8	E'N	3	rr	45	97	3	5	2	-	3	10	1000	1	*	r	crrr	cmo	
	Eskdalemuir ...	1003.3	-16	S	1	C	44	85	6	5	-	-	10	10	800	1000.4	-12	ESE	2	rr	43	92	6	-	2	-	10	10	450	1	*	ldor	crr	cmo	
	Point of Ayre ...	1001.4	-20	SSE	4	rr	50	92	8	8	2	-	4-6	10	1500	997.0	-20	SSE	5	rr	49	97	6	8	2	-	7-8	10	1500	1	3	rr	rr	cmo	
13A	Tiree ...	999.6	-2	S'E	3	C	50	85	8	8	-	-	7-8	7-8	1500	999.1	+4	SE'E	3	C	47	92	7	8	-	-	9+	9+	1500	0	3	c	c	c	
13B	Stornoway ...	1002.8	-6	ENE	3	C	45	85	8	2	6	6	7-8	7-8	3000	1002.0	0	ENE	3	C	45	85	7	5	7	-	7-8	9+	2500	1	2	bcc	c	c	
15	Dalwhinnie ...	1004.2	-12	SE	4	C	39	85	7	8	4	-	7-8	7-8	1500	*	-4	SE	2	C	40	92	6	5	2	-	7-8	10	800	1	*	cpr	crr	c	
	Aberdeen ...	1005.3	-10	NNW	1	C	37	92	3	5	7	-	7-8	7-8	4000	1003.5	-6	NNW	1	C	38	97	3	5	7	-	7-8	10	1500	1	1	bc	firac	c	
	Wick ...	1004.8	-4	SSE	3	C	47	75	8	2	6	6	4-6	3	2500	1004.0	-2	SE	3	%pr	47	85	7	5	2	-	7-8	10	1500	1	1	bc	cprc	crrq	
16	Lerwick... ..	1006.8	+4	NNW	1	%pr	43	92	8	8	7	-	4-6	7-8	800	1006.3	+2	ENE	3	C	44	75	8	5	7	-	4-6	7-8	1500	1	*	cpr	cpr	vpr	
17	Blacksod Point...	1000.2	+4	N	1	bc	52	75	8	3	5	-	2-3	4-6	2500	999.8	+4	W	3	bc	46	85	8	3	-	-	2-3	2-3	2500	0	3	bc	bc	bc	
18	Malin Head ...	998.8	-6	S	1	bc	50	75	8	2	-	1	2-3	2-3	3700	998.7	-4	-	0	C	47	85	8	9	-	-	2-3	7-8	4000	0	0	bcc	c	c	
	Aldergrove ...	1000.2	-18	-	0	c/d	48	85	7	5	7	-	4-6	10	3000	997.7	-10	-	0	rr	44	97	5	6	2	-	9+	10	3500	2	*	cidc	crrmo	cmo	
19	Birr Castle ...	999.5	-18	N	1	rr	47	97	7	6	2	-	4-6	10	1500	998.4	+4	N	2	C	45	92	8	5	-	-	3	3	2500	1	*	crr	c	c	
20	Valentia Obsy. †	999.8	-6	NNW	4	rr	51	85	9	8	1	-	4-6	9+	2500	1002.1	+22	NNW	5	bc	50	65	9	8	-	-	4-6	4-6	2500	1	*	crr	prbcvpr	bccq	
	Roche Point ...	996.7	-24	EN	3	pr	47	97	7	6	2	-	7-8	10	800	997.6	+18	N'W	5	C	49	85	8	6	4	5	4-6	7-8	1500	1	4	rr	irc	bc	

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

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

b, blue sky (not more than a quarter covered with cloud).  
 be, sky partly cloudy (one half covered). 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<sub>o</sub>, slight storm of drifting snow (generally low).  
 k/S, heavy storm of drifting snow (generally low).  
 s<sub>o</sub>/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. n, 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<sub>o</sub>, 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.

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.

Column 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 decreasing (often lenticular).
- 5 Ac in bands (increasing).
- 6 Ac formed from the spreading out of Cu.
- 7 Ac associated with As or As with parts resembling Ac.
- 8 Ac Castellatus (or Ac in ragged fragments).
- 9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud form abbreviations:—

	Cirrus, -Ci	Cirrocumulus, -Cc	Cirrostratus, -Cs
	Stratocumulus, -Sc	Stratus, -St	Nimbostratus, -Ns
0 ..	Ground dry.		7 ..
1 ..	"		
2 ..	"	flooded,	8 ..
3 ..	"	frozen hard and dry.	
4 ..	"	partly covered with snow or hail.	9 ..
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 Ce predominating, and a little cirrus.

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

COLUMN 29 — STATE OF GROUND.

Ground covered with snow, less than 6 ins., deep but ground not frozen.  
 „ covered with snow, less than 6 ins., but ground frozen.  
 „ 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.

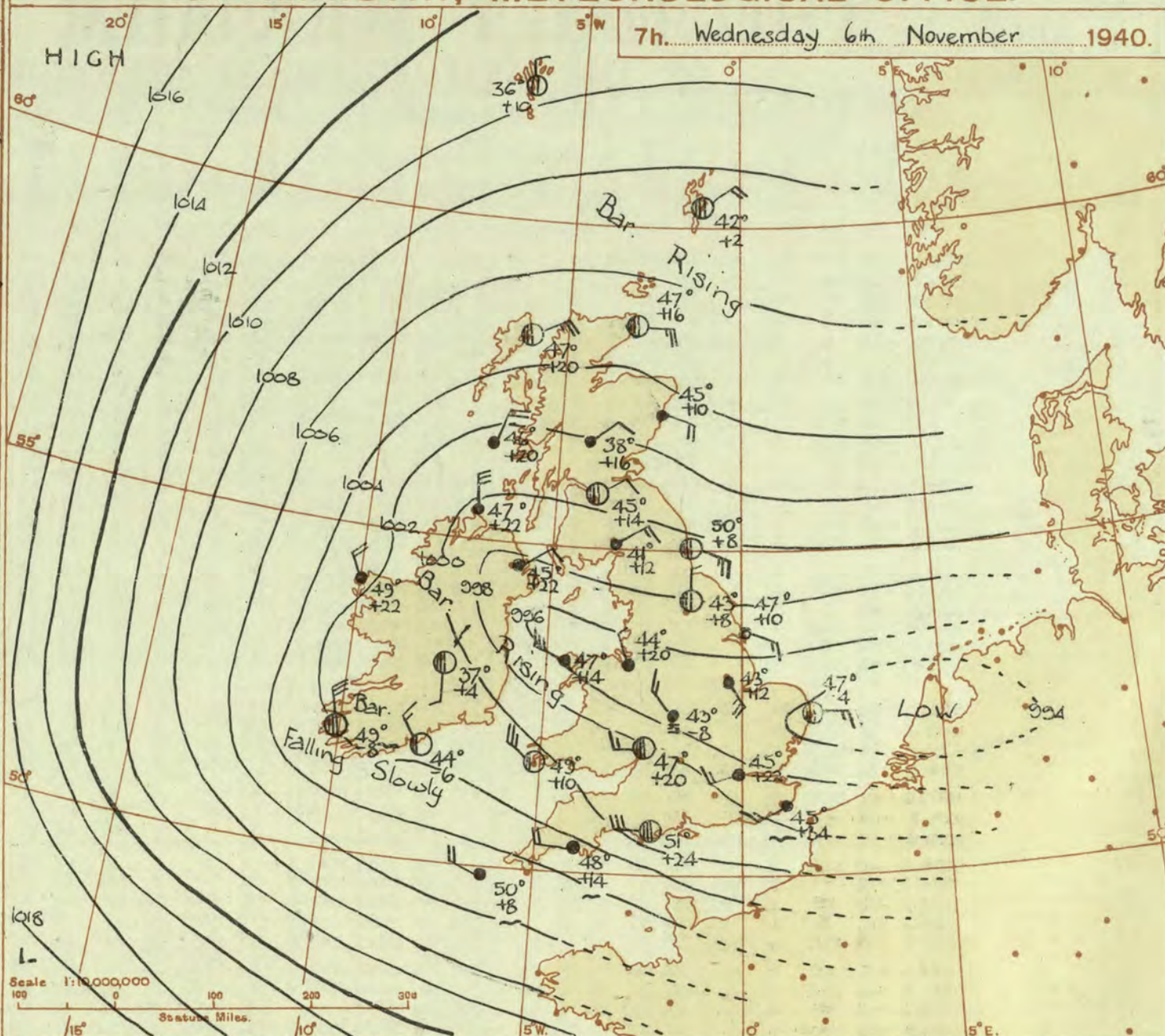


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T.	5h. G.M.T.	01h. G.M.T.	07h. G.M.T.
III C <sub>1</sub> wwVhN <sub>h</sub> DDFWN	C <sub>1</sub> C <sub>2</sub> wwVhN <sub>h</sub> DDFWN	C <sub>1</sub> C <sub>2</sub> wwVhN <sub>h</sub> DDFWN	C <sub>1</sub> C <sub>2</sub> wwVhN <sub>h</sub> DDFWN
109 86 01963 14104	8- 01854 11214	87 02745 09485	82 25745 06588
115 52 02354 08426	53 01854 08425	87 62735 08488	52 02834 08667
203 -- 68087 15856	55 02054 08415	5- 01945 08515	8- 62848 04468
206 52 62655 00028	57 01753 04164	5- 08548 00028	5- 64648 04168
210	52 02755 10268	5- 61758 08168	
220 62 66726 15368	62 01736 16208		
230 87 02755 10216	52 61644 06288	52 64646 00068	5- 02748 08168
245 57 22655 00067	52 05547 12328	5- 62458 08468	5- 64658 37468
260 47 02754 12287	57 05255 00068	62 61844 06168	53 47365 00068
277 87 62745 14488	62 64536 08468	02 62568 15368	07 02790 05368
279	-- 62438 12268		
285 5- 03538 14328	-- 67109 08369		6- 63638 08568
288 57 05665 14288		50 05664 09324	87 05655 16225
273 18 01752 09104			-- 67303 32269
301 52 61575 14468	52 05564 12468	62 62644 08268	62 64544 07168
321 87 03664 15327	00 05590 14380	57 05665 08316	62 62644 06168
299 57 03644 20315	5- 22638 17468	5- 05644 09514	
292 57 05554 16267	52 05546 14168	5- 05657 12217	
310 -- 46209 16449	-- 46209 20449		-- 64428 08528
316 57 02544 16368	5- 08464 12368	02 62558 06268	62 54436 03368
332 62 62855 12468	62 64646 12468	8- 22748 06368	9- 64647 97646
334 -- 64648 08268			-- 64648 08168
340 53 05534 16427	5- 05558 12428	6- 64538 10468	52 62656 28168
136 03 01790 14344	04 01890 12382	52 65647 10368	02 62768 09368
336 -- 62642 24468	-- 61742 14468		-- 63642 28568
350 57 22646 14467	47 01543 12314		6- 61738 21268
368			
379 5- 61747 14227	51 02743 12327	57 05644 24124	62 64636 24568
390 87 05654 16326		52 22535 00065	62 62637 22368
382 86 25755 11285	57 02756 11328	01 05530 00014	62 62735 22468
438 57 01854 20415			5- 02746 57766
430 25 01754 16415	62 61635 14668	86 25745 24386	23 01752 57513
409 62 64628 15688	9- 25737 12487	20 01743 59683	8- 01855 24585

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
V = Visibility—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 6th Nov. 1940.
1 S.E. England	Moderate variable wind finally north, fresh, strong locally on coasts, backing N.W.; occasional rain at first, with perhaps local thunder; fair tomorrow; rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh W. wind, veering N.W., strong; bright intervals; Showers; rather cold.
6 South Wales ...	
7 North Wales ...	Moderate or fresh N.E. wind, backing N. to N.W. strong locally on coasts; occasional showers, some bright intervals; rather cold.
8 N.W. England	
9 N. Midlands ...	Moderate or fresh N.E. wind, backing N. to N.W. tomorrow; mainly cloudy; showers; rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7-8
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	As 9-11
16 Orkneys and Shetlands	
17 N. W. Ireland	Freshening N.W. wind, strong on coasts, decreasing later; bright intervals; showers; 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.

An elongated depression extending from North Wales to the Southern North Sea is moving east, and a ridge of high pressure is approaching Ireland from the Atlantic. There will be occasional rain or showers in most districts at first, but fair weather will spread slowly from the west later.

FURTHER OUTLOOK.

A fair interval with local morning fog.

Forecasts issued at 1030h.

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

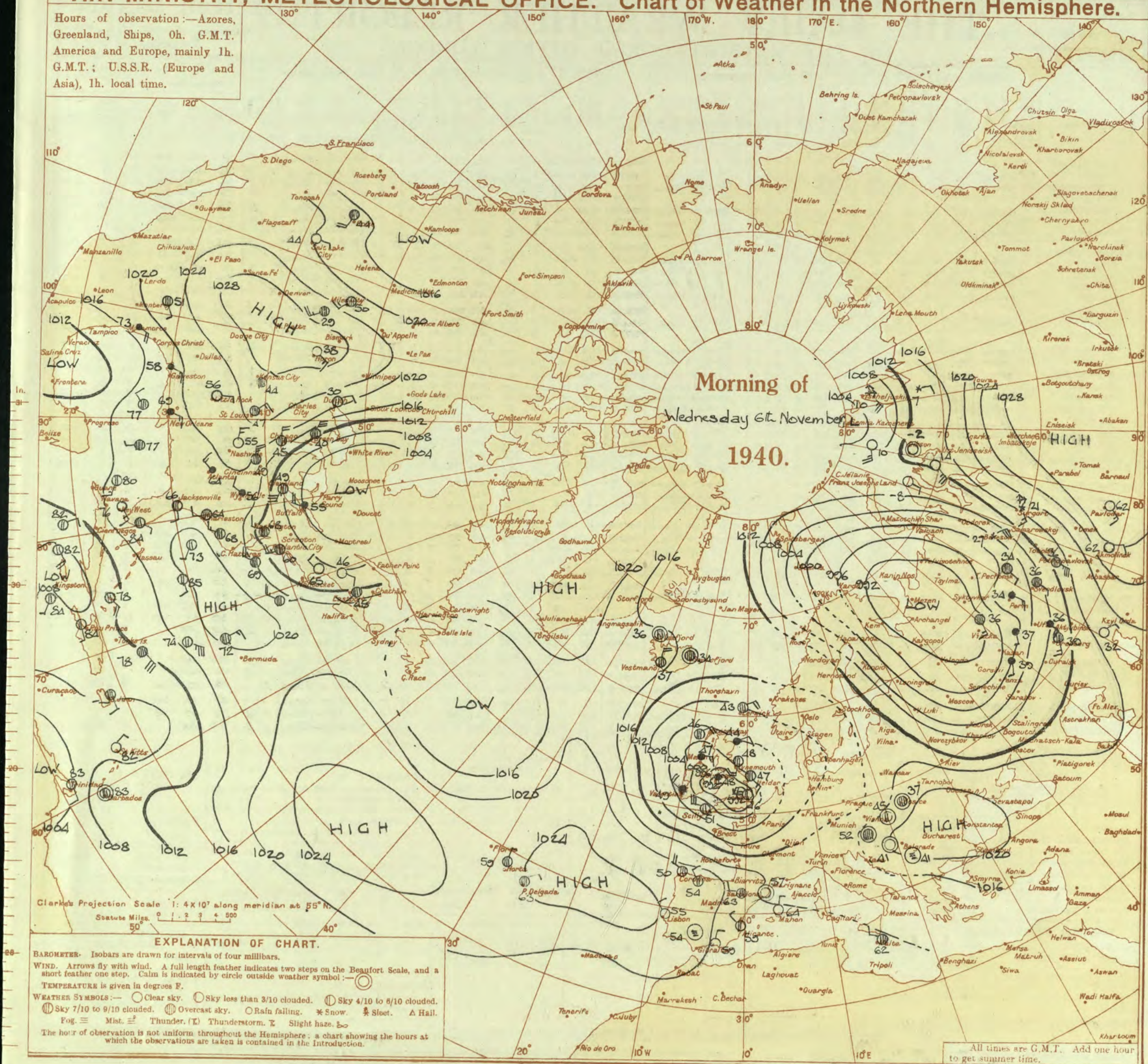
H.M.S.O. Press, Cornwall House, S.E.1.

288/3955, M-6145, 2-2705, 9000, 4-414, 11/40



# 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 6th November 1940.  
No. 28839

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. M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Low.	Med.	High.	Low 0-10.			Total 0-10.	Low 0-9.	Med.	High.	Low 0-10.		Total 0-10.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Thursday 7th November 1940.  
No. 28840

OBSERVATIONS at 13h. G.M.T. 6th November														OBSERVATIONS at 18h. G.M.T. 6th 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. (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.			Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	WEATHER.									
				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)			7h.—13h. 6th..... (37)	13h.—18h. 6th..... (38)	18h.—6th to 1h.—7th. (39)	1h.—7th. (40)						
1	London (Kew)...	1000.6	+12	W	4	c	51	65	8	1	-	4.6	34	1500	1003.8	+20	WNW	2	c	46	85	6	2	-	7.8	10	1500	1	*	crobrnc	crpgr	crocmo	crabemo		
	Croydon ...	999.7	+12	WN	3	z.	(52)	65	6	2	7	-	4.6	34	2500	1003.9	+34	W	2	z	46	85	5	5	-	10	10	2000	1	*	cirac	cpgrm	cmobcm	bcbcmw	
	S. Farnborough	1001.4	+2	WS	5	c	52	65	8	2	4	6	4.6	7.8	3000	1004.2	+10	N	1	c	47	85	7	5	4	9	7.8	34	3000	1	*	cbe	bec	cmobw	babebm
	Boscombe Down												1003.5								45	82	7	8	7	-	7.8	34	2500	1	*	cpz	bcprg	cmajbcm	bmbafx
	Calshot (Soton.)	1002.3	+6	WNW	4	cp	51	85	8	2	3	8	4.6	7.8	3500	1003.8	+6	WNW	1	z	47	82	6	8	7	-	4.6	34	3500	1	1	bcprp	bcprg	cmobcmw	bmbow
	Lympne ...	1001.4	+12	WS	5	c	52	65	8	1	6	3	4.6	7.8	2500	1004.3	+20	WNW	4	z	46	85	6	9	-	34	34	1200	1	1	crrbc	becg	bemcmw	morrac	
	Manston ...	999.5	+16	WSW	5	pr	48	85	6	1	-	-	34	34	1200	1002.9	+24	WNW	3	pr	45	82	6	9	-	10	10	1100	1	1	irp pmo	cpz	cpzcmo	cracmo	
2	Shoeburyness ...	1000.0	+20	W	2	ir	48	85	5	6	2	-	7.8	10	450	1003.7	+18	NW	2	c	48	87	5	6	2	-	4.6	10	450	1	*	crocmo	crbcm	crobcm	crab
	Felixstowe ...	998.1	+16	WN	4	ro	46	92	6	6	2	-	34	10	800	1001.7	+26	WN	4	c	45	82	6	6	7	-	4.6	34	6000	1	1	cdadramo	cpz	crbcm	oracmo
	Gorleston ...	997.1	+12	NW	3	c	48	85	7	6	-	-	34	34	1500	1000.4	+20	NW	4	ir	47	85	6	8	2	-	7.8	10	1400	1	2	oracmo	cic	oracmo	oracmo
	Mildenhall ...	997.8	+18	WN	1	ir	46	87	6	6	2	-	4.6	34	600	1002.1	+14	WNW	3	ir	45	87	6	5	2	-	7.8	10	1500	1	*	croadramo	cpz	crbcm	bemobc
	Cranwell ...	1000.0	+20	N	3	c	46	92	6	5	-	-	34	34	1500	1004.2	+30	NE	3	c	45	85	5	5	-	-	7.8	7.8	1500	1	*	crocmo	cbcm	cmo	bcbcm
3	Birmingham	1001.6	+12	NNW	2	rr	44	92	4	6	-	-	10	10	800	1004.5	+20	NNW	2	m	48	82	4	6	7	-	34	10	800	1	*	F rrm	cpz	cm	crobcf
4	Upper Heyford	1000.5	+26	WN	4	ro	44	92	7	6	2	-	7.8	10	700	1003.8	+20	-	0	43	87	5	6	2	-	34	10	800	1	*	crorrro	cpz	crobcm	crobcm	
	Ross-on-Wye ...	1000.7	+8	WN	3	c	52	55	8	6	8	8	2.3	7.8	2500	1004.2	+30	NE	2	z	51	82	6	5	-	-	10	10	800	1	*	c	cpz	crobcm	crobcm
5	Hartland Point	1000.6	-14	W	6	cjp	51	85	8	8	-	3	7.8	7.8	1500	1003.6	+24	N	3	c	48	75	8	8	-	-	7.8	7.8	1500	1	3	bcpr	cp	clbce	cr
	Bristol ...	1002.4	+14	W	5	pr	48	85	7	9	-	-	34	34	1100	1004.1	+10	N	1	c	44	87	5	4	-	8	2.3	34	1800	1	4	cbcp	cpz	cbcm	bmbcm
	Portland Bill ...	1003.1	+4	W	6	c	54	85	8	2	4	-	7.8	9	4000	1002.7	-4	W	4	c	54	85	7	5	7	-	7.8	10	4000	1	4	c	cpz	cbcm	bmbcm
	Plymouth ...	1003.7	-10	W	5	cp	50	85	8	3	-	3	4.6	9	1800	1004.0	+18	NW	3	pr	48	85	4	3	-	-	34	34	1600	1	3	bcpr	cpz	cbcm	bmbcm
	The Lizard ...	1004.0	-16	WSW	6	bc	51	85	8	8	7	-	4.6	4.6	2000	1004.5	+10	NW	4	pr	48	82	7	8	2	-	7.8	34	1500	1	3	bcpr	cpz	cbcm	bmbcm
	Scilly (St. Mary's)	1003.6	-22	WN	7	bcpr	51	75	8	9	6	3	4.6	4.6	1200	1005.3	+4	NW	7	c/pr	49	85	7	9	7	-	7.8	10	1000	1	4	bcpr	cpz	cbcm	bmbcm
	Guernsey ...																																		
6	Pembroke ...	1000.8	+2	NW	3	bc	51	75	8	2	-	-	4.6	4.6	2500	1004.1	+22	N/E	3	c	48	85	7	5	-	-	34	34	3000	1	2	cpz	bc	irle	cmobcc
7	Holyhead ...	999.9	+32	ENE	5	c	49	85	6	5	7	-	4.6	10	3000	1006.3	+34	NNE	4	c	51	75	6	8	1	-	2.3	10	2800	1	2	irle	c	irle	cmobcc
	Chester (Sealand)	1001.3	+16	NE	1	ro	47	85	5	6	2	-	4.6	10	1500	1005.8	+30	NW	2	m	44	82	4	5	-	-	4.6	4.6	2500	1	*	rocmo	cpz	rocmo	cmobcc
8	Manchester ...	1001.3	+22	WNW	1	f	45	97	5	2	-	-	34	10	1800	1005.5	+34	NW	2	m	42	85	4	5	-	8	2.3	7.8	2500	2	*	mrrro	cpz	rocmo	cmobcc
10	Spurn Head ...	999.5	+14	NNE	3	c	50	75	6	2	4	1	7.8	9	4000	1003.8	+14	N	4	bc	47	85	7	4	-	-	2.3	2.3	4000	1	2	c	cmo	cpz	rocmo
	Catterick ...	1002.1	+14	NE	2	z	49	85	6	5	7	-	4.6	9	4000	1006.3	+18	NE	2	m	44	82	4	8	3	-	4.6	7.8	2500	1	2	cp	cpz	rocmo	rocmo
	Tynemouth ...	1003.0	+16	E	4	pr	48	85	7	2	-	-	34	34	3000	1007.4	+22	NNE	4	c	45	85	8	8	-	-	34	34	2800	1	2	cp	cpz	rocmo	rocmo
11	St. Abbs Head	1003.9	+14	E	2	c	48	75	8	8	2	-	4.6	10	2000	1007.3	+16	NE	3	c	45	82	8	5	2	-	4.6	34	2000	1	2	c	cpz	cpz	rocmo
	Leuchars ...	1005.2	+22	N	3	ro	43	92	7	5	2	-	7.8	10	900	1003.2	+36	NNE	2	z	42	82	6	-	2	-	10	10	2000	2	*	eromg	cpz	rocmo	rocmo
12	Renfrew (Abbots L.)	1005.3	+22	NE	3	ro	46	85	8	5	7	-	34	10	1500	1010.6	+84	NNE	3	z	42	85	7	-	2	-	10	10	2000	1	*	rocmo	cpz	rocmo	rocmo
	Exdalemuir ...	1003.6	+12	NEE	3	c	47	75	7	5	1	-	4.6	10	2500	1007.9	+26	NE	3	z	43	85	6	6	-	-	10	10	800	1	*	irac	c	rocmo	rocmo
	Point of Ayre ...	1003.0	+24	NNE	4	c	51	85	7	2	4	5	Tr	9	1500	1007.4	+32	NE	4	c	50	85	7	5	4	8	2.3	34	2500	1	3	c	cpz	rocmo	rocmo
13A	Tiree ...	1007.3	+20	N/E	6	c	47	75	8	5	-	-	34	34	1500	1013.1	+26	SE	6	bc	47	75	8	8	3	-	4.6	4.6	1800	0	4	odc	cbe	be	be
13B	Stornoway ...	1011.3	+22	NNE	5	ir	44	92	7	8	7	-	9	9	1000	1016.4	+26	NW	3	bc	47	82	8	3	6	-	2.3	2.3	2500	1	2	cpz	irle	be	be
15	Dalwhinnie ...	*	+24	NNE	2	so	34	97	5	5	-	-	10	10	800	*	+22	NNE	2	z	37	87	5	5	-	-	10	10	800	1	*	so	c	so	so
	Aberdeen ...	1006.6	+16	NE	3	ro	45	92	6	6	2	-	7.8	10	1500	1010.7	+26	NE	3	ro	43	82	6	6	2	-	10	10	1500	1	3	cpz	rocmo	rocmo	rocmo
	Wick ...	1008.8	+14	ENE	6	c	47	75	8	5	7	-	7.8	10	1500	1012.6	+16	NNE	5	cp	48	65	8	7	-	7.8	34	1500	1	2	prc	cpz	rocmo	rocmo	
16	Lerwick ...	1011.0	+10	NEE	4	pr	42	85	7	8	7	-	4.6	9	800	1013.0	+12	NNW	4	phn	40	85	7	8	7	-	4.6	9	1500	1	*	cpz	cpz	rocmo	rocmo
17	Blacksod Point...	1009.4	+28	N	6	c	51	75	7	9	-	-	7.8	7.8	800	1016.0	+40	N	6	pr	48	85	6	9	-	-	34	34	1500	1	4	prbcg	pr	be	be
18																																			

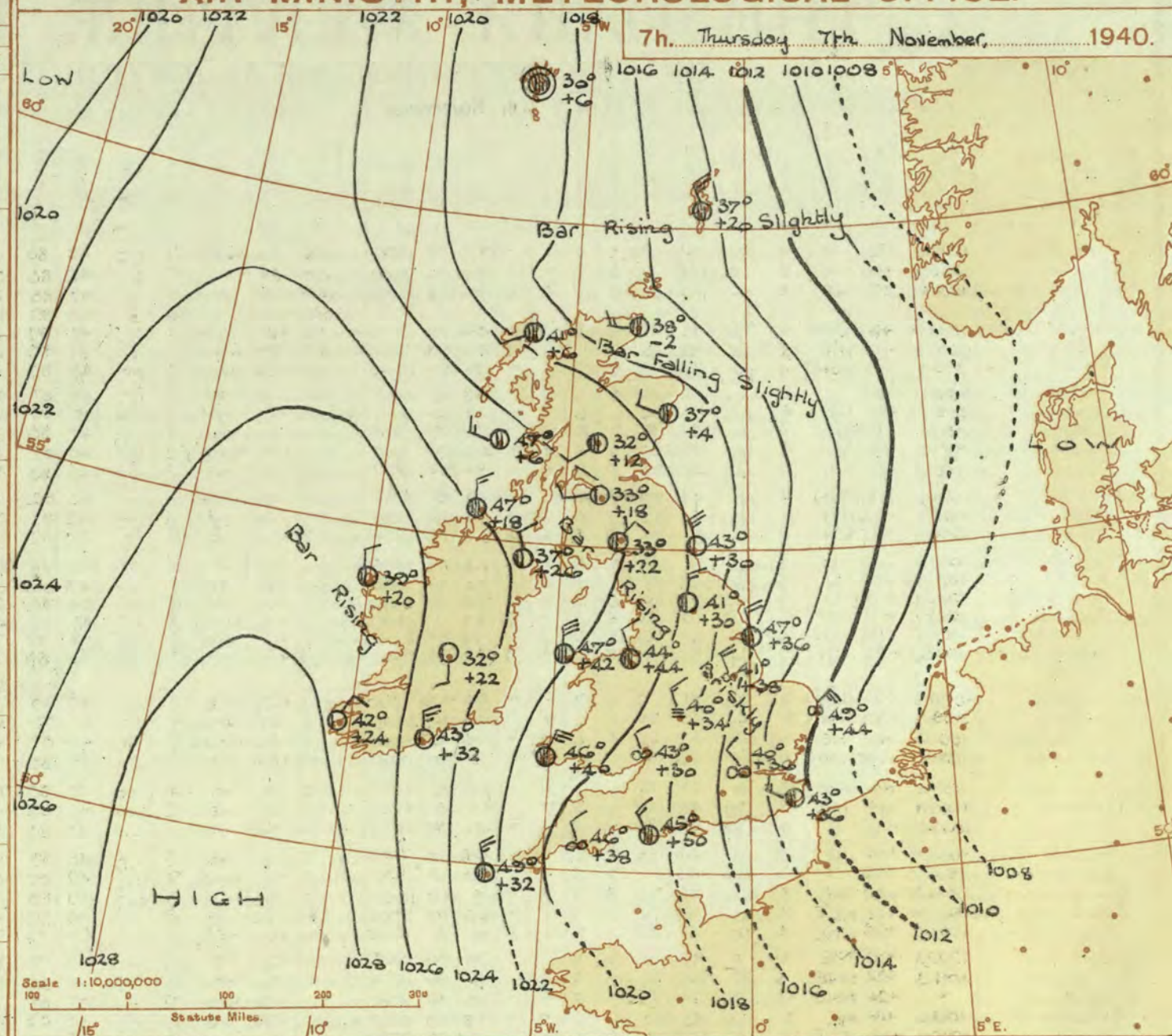


Abridged observations of additional stations in the AVIATION WEATHER CODE											
13th. G.M.T. 6th November				18th. G.M.T.				01th. G.M.T. 7th November			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>
109	82	25554	03586	27	25553	02283	80	01851	24281	8-	25747
115	87	81834	08687	52	10844	32585	87	81954	28485	52	81944
203											
206	52	62735	00068	52	22665	03468	50	00890	00000	57	02854
210											
220	62	64844	03367								
230	57	10865	02428	02	61848	02468	54	00862	32263	50	05758
245	62	64635	03368	02	62658	05568	50	00761	32421	10	01362
260	52	52533	06268	62	66645	22668	50	00763	28103	00	01890
277	84	02864	30226	57	22665	03468	50	02705	32465	17	00951
279											
285	8-	02737	08327	8-	02736	02226				36	81734
288	87	05656	06227	86	05553	03224	8-	61858	01828	86	05554
273											
301	52	08454	06166	00	47190	00040	5-	62557	00067	53	05564
321	27	05654	03267	57	05666	30328	57	35563	30414	57	61655
299	87	05644	05415	8-	02745	02415	80	01743	02613	8-	25754
292	23	05654	03315	87	05654	02186	51	05553	0315	56	02655
310	--	53528	04458	--	46828	04328				--	05626
316	52	21445	31258	07	08490	00226	50	05564	32314	54	05544
333	61	64644	26168	51	02644	32228	6-	63646	30388	9-	81757
334	--	61644	08168							--	02753
340	61	62654	00068	5-	05548	28168	50	08454	30214	5-	05646
136	86	81754	03387	57	81666	01288	8-	02755	04815	87	01744
336	--	62742	28468	--	03754	02428				--	03754
350	62	62527	26268							07	05590
368											
379	6-	62638	26468	--	48209	04369	00	05590	32400	00	05590
390	6-	62648	24368	62	22548	24368	50	05593	26313	07	05690
382	77	02854	24427	47	51668	00068	00	05590	30300	07	08490
438	80	14754	24714								
430	80	25844	24584	47	05668	26115	07	05590	30313	07	05590
409	36	10844	21584	26	25845	01485	8-	25746	31586	8-	02846

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C, Cy = Form of low and medium cloud—See page 1.  
 V = Visibility.  
 F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 7th November, 1940.
1 S.E. England	Moderate or fresh N.W. wind, strong on coasts, decreasing; mainly fair apart from showers near the East Coast; local morning fog; rather cold, ground frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Moderate or fresh N.W. wind, decreasing; bright periods; local showers; local morning fog; rather cold; ground frost at night.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Fresh N.W. wind, strong on coasts, decreasing later; bright intervals; showers; rather cold, ground frost at night.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 5-9.
13 { A. W. Scotland B.N.W. Scotland.	
14 Mid Scotland	Fresh N.W. wind, strong on coasts, decreasing later; bright intervals; showers; snow showers on high ground; rather cold; ground frost locally at night.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Light or moderate N.W. winds; mainly fair; local showers; local morning fog; frost at night.
19 S. E. Ireland	
20 S. W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.



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

### GENERAL INFERENCE.

An anticyclone is developing off S.W. Ireland, and a shallow trough of low pressure off North Scotland is moving Southeast. There will be bright intervals in all districts with some showers chiefly in coast areas and in North and East Scotland, and near the East Coast of England.

### FURTHER OUTLOOK.

N.W. winds; a fair interval in the South with local morning fog; perhaps rain in the North.

Gale warning issued 0720 7.11.40 for districts 15 and 16.

Forecasts issued at 1030h G.M.T.

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

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

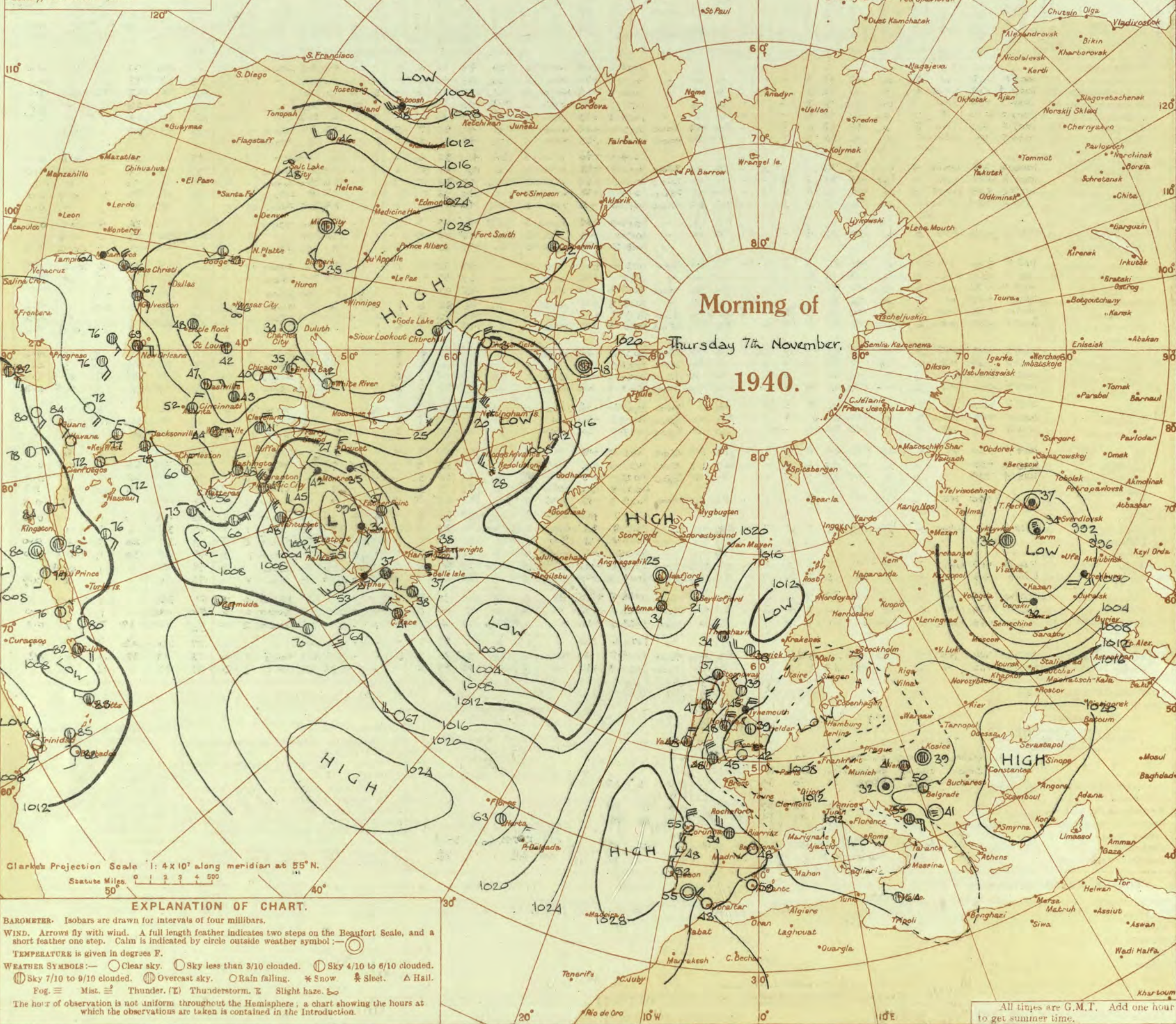
358/3955. 44.0043. 0.8705. 5000. 0.0000. 11/40.



# 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  
Thursday 7th November.  
1940.



Clarke's Projection Scale 1: 4x10<sup>7</sup> 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.

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



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 7th November 1940.

No. 28840.

OBSERVATIONS at 1 hr. G.M.T. 7th November															OBSERVATIONS at 7 hr. G.M.T. 7th November															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (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) Hrs.			
					Dir.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Dir.	Force.			Form.	Amount.					Height of Base. (feet) (28)	Low. (23)	Med. (24)	High (25)	Low (26)			Total 0-10 (27)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)					
																																			0-12 (3)		0-12 (4)	0-10 (11)	0-10 (12)
1	London (Kew) ... 217	1009.4	+2.8	W	2	m	42	97	4	-	-	0	0	-	1005.8	+2.4	NNW	2	zc	40	85	5	5	-	4	4-6	7-8	2500	1	*	51	40	31	3	0.2	0.0			
	Croydon ... 226	1009.4	+3.0	WNW	2	m	41	92	5	-	3	0	1	-	1015.1	+3.6	NW	2	zc	40	92	5	-	4	1	0	2-3	-	1	*	52	39	37	0.1	0.1				
	S. Farnborough ... 417	1010.9	+3.2	NW	2	f	42	97	3	-	-	0	0	-	1016.4	+4.0	NW/N	3	zc	39	92	5	-	3	6	0	10	-	1	*	54	38	32	Tr	0.1	3.3			
	Boscombe Down ... 8	1009.2	+3.0	N	4	zc	45	92	6	-	1	0	1	-	1017.1	+3.2	N	4	zc	40	92	4	-	2	0	2-3	-	1	*	52	39	36	1	-	5.2				
	Calshot (Stmntn.) ... 346	1007.5	+1.8	SW	3	zc	43	92	5	-	-	4-6	1-6	3000	1013.2	+3.6	WNW	3	c	43	92	7	5	3	-	2-3	7-8	1500	1	*	52	43	39	1	-	5.5			
	Lympe ... 154	1006.5	+1.6	NW	3	zc	46	92	6	-	-	9+	9+	1000	1012.6	+3.8	NNW	3	c	45	85	6	2	7	-	1	9	2000	1	*	48	41	38	1	0.6	5.0			
2	Shoeburyness ... 11	1006.2	+1.8	NNW	4	zc	46	92	5	-	2	10	10	3500	1014.2	+4.0	NW	3	bc	41	92	6	-	5	4	0	4-6	-	1	*	48	41	36	7	0.3	0.0			
	Felixstowe ... 15	1005.9	+3.2	NNE	6	c/pr	49	85	6	-	-	10	10	1500	1012.9	+4.2	NNW	3	c	42	85	7	2	4	-	7-8	7-8	3000	1	2	47	41	38	2	0.5	0.0			
	Gorleston ... 5	1007.7	+2.4	NNW	3	c/r	44	92	6	-	1	4-6	9	2500	1013.5	+4.4	NE/N	5	c	49	92	6	8	-	-	4-6	4-6	1500	1	4	48	45	43	1	11	0.0			
	Mildenhall ... 19	1010.2	+2.8	NNW	4	zc	39	97	5	-	-	2-3	2-3	2500	1014.8	+3.8	NNW	4	c	40	92	7	5	7	-	7-8	7-8	2500	1	*	48	39	32	5	0.4	0.0			
	Cranwell ... 240	1010.2	+2.8	NNW	4	zc	39	97	5	-	-	2-3	2-3	2500	1017.0	+3.8	NNW	4	zc	41	92	7	5	-	-	7-8	7-8	2000	1	*	48	37	35	3	-	0.0			
3	Birmingham ... 535	1010.2	+2.8	NNE	3	m	39	97	4	-	-	0	0	-	1018.2	+3.4	NNW	3	bc/f	40	97	3	5	-	-	4-6	4-6	4000	1	*	44	39	36	8	0.1	0.0			
	Upper Heyford ... 408	1010.2	+2.8	NNE	3	m	39	97	4	-	-	0	0	-	1017.1	+4.2	NE	3	m	38	97	4	-	7	6	0	9+	-	1	*	45	38	33	6	0.4	*			
	Ross-on-Wye ... 223	1010.2	+2.8	NNE	3	m	39	97	4	-	-	0	0	-	1018.7	+3.0	NW	2	zc	43	85	6	5	-	-	9+	9+	2500	1	*	52	42	39	0.1	0.2	1.4			
4	Hartland Point ... 299	1012.5	+3.6	N	5	c	48	85	8	-	-	7-8	7-8	1500	1018.6	+3.4	N	5	c	48	85	8	8	-	-	9	9	2000	1	3	52	46	45	4	0.3	0.9			
	Bristol ... 209	1011.7	+3.4	NNW	2	zc	42	92	5	-	-	0	0	-	1018.9	+4.6	NW	1	m	39	97	4	5	7	-	2-3	7-8	2500	1	*	52	39	31	2	Tr	4.4			
	Portland Bill ... 32	1009.9	+3.6	NW	2	bc	48	85	8	-	-	4-6	4-6	4000	1017.6	+5.0	NW	3	c	45	92	6	5	7	-	4-6	10	2500	1	2	55	42	*	0.2	-	*			
	Plymouth ... 82	1012.9	+4.6	N	3	zc	46	85	6	-	-	8	0	2-3	-	1018.8	+3.8	NNW	2	zc	46	85	6	1	4	-	Tr	1	3000	1	2	55	44	36	0.5	-	4.3		
	The Lizard ... 240	1014.1	+3.2	NNE	5	bc	48	92	8	8	-	4-6	4-6	1500	1019.7	+3.0	NW	4	c	45	92	8	8	2	-	4-6	7-8	1500	1	2	54	43	*	1	4	5.2			
	Scilly (St. Mary's) ... 163	1015.1	+3.8	NNW	6	c/pr	48	92	7	8	6	-	4-6	7-8	1500	1020.4	+3.2	NNW	5	c	49	92	7	8	1	-	4-6	9	1200	1	4	54	47	*	2	0.4	4.0		
	Guernsey ... 175	1015.1	+3.8	NNW	6	c/pr	48	92	7	8	6	-	4-6	7-8	1500	1020.4	+3.2	NNW	5	c	49	92	7	8	1	-	4-6	9	1200	1	4	54	47	*	2	0.4	4.0		
6	Pembroke ... 142	1014.2	+2.4	NNE	3	c/pr	48	97	7	8	-	9+	9+	2500	1021.0	+4.0	NNE	5	c	46	92	7	8	-	-	9+	9+	2500	1	2	52	43	*	0.2	7	4.0			
	Holyhead ... 26	1012.5	+3.4	NNE	6	c/pr	48	85	6	9	2	-	7-8	9+	1200	1021.2	+4.2	N	6	c	47	75	8	8	-	-	9+	9+	2700	1	4	51	46	45	0.4	3	0.1		
7	Chester (Sealand) ... 16	1012.8	+3.0	WNW	2	c	45	85	5	5	-	9+	9+	3500	1020.2	+4.4	NNW	2	c/r	44	85	7	5	-	-	9+	9+	3000	1	*	47	41	35	2	0.4	0.0			
	Manchester ... 70	1012.4	+3.0	NW	2	m	42	92	4	5	-	4-6	4-6	3200	1019.8	+3.8	NNW	2	zc	43	85	7	5	-	-	7-8	7-8	3600	1	*	45	39	31	3	0.5	0.3			
10	Spurn Head ... 29	1008.9	+2.6	N	5	c	47	75	7	5	6	-	4-6	9	4000	1015.6	+3.6	NW	4	c	47	85	7	4	5	-	7-8	9	4000	0	3	51	46	*	3	-	1.8		
	Catterick ... 175	1012.5	+2.8	NNW	2	m	44	92	5	1	-	4-6	10	2000	1019.2	+3.0	N	3	bc/r	41	85	7	8	3	-	2-3	2-3	2000	1	*	49	41	36	0.2	1	0.5			
	Tynemouth ... 108	1012.8	+3.0	NE	6	c	45	92	6	-	2	10	10	2000	1019.5	+3.0	NNW	5	bc	43	85	8	2	-	-	4-6	4-6	3200	1	3	52	42	35	1	10	*			
11	St. Abbs Head ... 280	1014.7	+3.0	N	5	c	46	65	8	4	1	-	4-6	7-8	2500	1018.5	+1.8	N	5	bc	41	75	8	4	4	1	2-3	4-6	2500	0	3	49	40	*	1	6	0.0		
	Leuchars ... 36	1016.4	+3.0	-	0	zc	40	85	6	5	-	2-3	2-3	2500	1020.0	+1.6	W	3	bc	37	85	8	2	7	-	Tr	2-3	2500	1	*	47	34	26	7	0.5	0.0			
12	Renfrew (Abbots I.) ... 19	1018.4	+3.4	-	0	b	40	85	7	5	-	Tr	Tr	3000	1022.1	+1.8	WS	2	bc	33	85	8	-	6	0	2-3	-	-	1	*	46	31	25	2	3	0.0			
	Eskdalemuir ... 794	1015.1	+4.0	NE	6	c	45	85	7	6	2	-	4-6	10	1500	1021.9	+2.2	NE/N	2	b	33	75	8	5	-	1	Tr	1	2500	1	*	48	33	26	0.5	6	0.7		
	Point of Ayre ... 30	1015.1	+4.0	NE	6	c	45	85	7	6	2	-	4-6	10	1500	1022.3	+3.2	NNE	5	b	45	65	8	4	-	1	1	4000	1	3	51	44	*	-	2	0.4			
13A	Tiree ... 22	1019.4	+8	WSW	2	c/pr	37	92	7	5	7	4	7-8	9+	2500	1021.7	+4.6	WNW	3	bc	47	65	8	8	-	-	4-6	4-6	2100	0	3	48	44	*	1	-	0.0		
13B	Stornoway ... 80	1019.4	+8	WSW	2																																		



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 8th November 1940.  
No. 28841

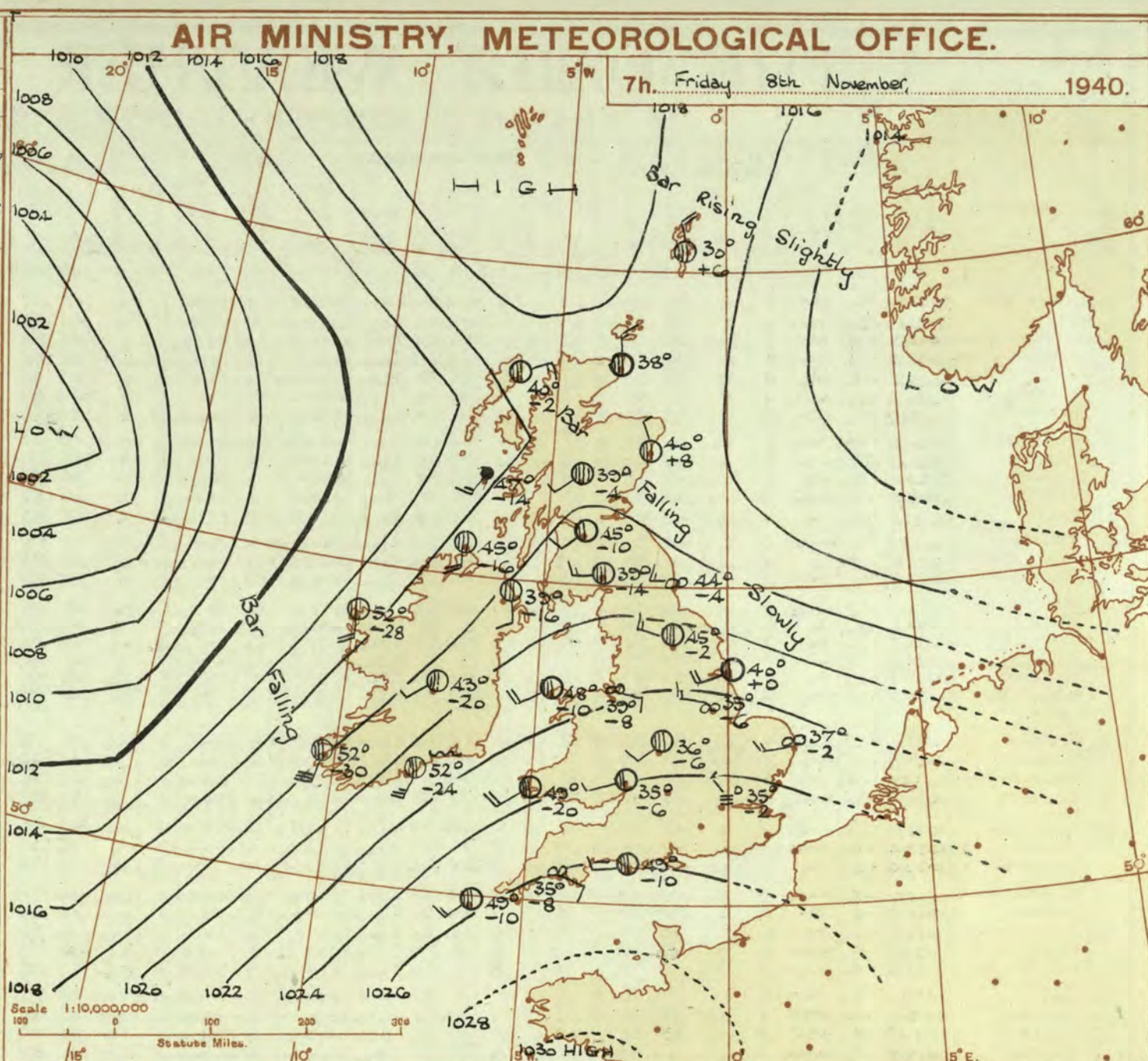
OBSERVATIONS at 13h. G.M.T. 7th November														OBSERVATIONS at 18h. G.M.T. 7th November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. m. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. m. (22)	Cloud.					State of Ground. (29)	Sea. (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 (24) (25)					Height of Base (feet) (28)	7h.-13h. (37)	13h.-18h. (38)	18h. 7h. to 1h. 8h. (39)	1h.-7h. (40)								
1	London (Kew)...	1022.1	+16	NW	4	N	50	65	6	7	8	4-6	4-6	2500	1025.4	+16	NW	2	N	47	70	5	3	-	7-8	9	2500	1	*	bcm	bcm	bcm	bcm		
	Croydon ...	1021.1	+20	NW	4	N	49	75	5	8	-	4-6	4-6	3000	1025.0	+18	NW	2	N	46	80	5	5	-	3-4	10	5000	1	*	bcm	bcm	bcm	bcm		
	S. Farnborough	1022.3	+18	NW	3	N	52	65	7	2	4	4-6	4-6	2300	1025.8	+20	NW	1	N	46	85	6	5	-	4-6	4-6	4500	1	*	bcm	bcm	bcm	bcm		
	Boscombe Down	1022.9	+12	NW	4	N	48	75	6	1	-	2-3	2-3	2000	1026.1	+18	-	48	85	4	5	-	2-3	2-3	5000	1	*	bcm	bcm	bcm	bcm				
	Calshot (Soton.)	1022.1	+18	NW	4	N	51	75	7	1	-	1	1	3200	1025.5	+20	NW	2	N	47	85	5	5	-	4-6	4-6	1500	1	*	bcm	bcm	bcm	bcm		
	Lymington	1020.0	+30	NW	4	N	49	85	8	2	-	7-8	7-8	2000	1025.0	+30	NW	2	N	43	92	7	6	-	4-6	7-8	2000	1	*	bcm	bcm	bcm	bcm		
	Manston	1020.2	+32	NW	4	N	49	85	8	8	-	7-8	7-8	3000	1024.0	+10	NW	3	N	47	92	7	2	-	7-8	9	2500	1	*	bcm	bcm	bcm	bcm		
2	Shoeburyness ...	1020.9	+24	NW	2	N	51	85	6	7	4	2-3	4-6	4000	1024.8	+26	NW	2	N	45	92	7	5	3	-	4-6	7-8	4000	1	*	bcm	bcm	bcm	bcm	
	Felixstowe ...	1020.0	+28	NW	2	N	53	65	8	2	-	4-6	4-6	3000	1024.0	+22	NW	2	N	42	85	6	5	-	1	0	600	1	0	bcm	bcm	bcm	bcm		
	Gorleston ...	1020.1	+28	NW	5	N	51	85	7	8	-	7-8	7-8	1800	1023.1	+10	NW	2	N	46	75	6	5	-	4-6	4-6	2500	1	2	bcm	bcm	bcm	bcm		
	Mildenhall ...	1021.5	+26	NW	2	N	46	92	9	9	-	3	3	1500	1024.5	+12	NW	2	N	38	82	8	5	6	7	1	10	3000	1	*	bcm	bcm	bcm	bcm	
	Cranwell	1022.7	+18	NW	4	N	49	75	6	5	-	4-6	4-6	3500	1024.9	+8	NW	2	N	39	85	5	3	-	0	4	0	1	*	bcm	bcm	bcm	bcm		
3	Birmingham	1024.3	+14	NW	3	N	46	85	5	5	-	7-8	7-8	4000	1026.4	+14	NW	2	N	41	85	4	-	-	0	0	-	1	*	bcm	bcm	bcm	bcm		
	Upper Heyford	1022.8	+18	NW	4	N	47	85	6	2	-	4-6	4-6	1500	1025.8	+16	NW	2	N	42	85	5	5	-	2-3	2-3	5000	1	*	bcm	bcm	bcm	bcm		
4	Ross-on-Wye ...	1023.9	+10	NW	3	N	47	75	6	5	-	9	9	2500	1026.0	+12	NW	1	N	42	85	8	5	-	1	1	2500	1	*	bcm	bcm	bcm	bcm		
5	Hartland Point	1024.9	+22	NW	3	N	49	75	8	2	6	4-6	7-8	1500	1026.6	+8	NW	2	N	48	75	8	4	-	4-6	4-6	2500	1	3	bcm	bcm	bcm	bcm		
	Bristol ...	1024.6	+20	NW	2	N	47	85	7	8	-	9	9	2000	1026.9	+10	NW	2	N	44	85	5	5	-	9	9	3000	1	2	bcm	bcm	bcm	bcm		
	Portland Bill ...	1023.2	+20	NW	2	N	51	92	7	5	-	4-6	4-6	4000	1027.5	+20	NW	2	N	47	92	7	5	-	4-6	4-6	2500	1	2	bcm	bcm	bcm	bcm		
	Plymouth	1024.5	+14	NW	3	N	52	75	8	1	-	1	1	3000	1027.0	+10	NW	2	N	47	75	6	4	-	2-3	2-3	5000	0	1	bcm	bcm	bcm	bcm		
	The Lizard	1025.4	+20	NW	3	N	53	65	8	8	6	4-6	4-6	2500	1027.0	+16	NW	2	N	46	85	8	4	-	2-3	4-6	2000	1	2	bcm	bcm	bcm	bcm		
	Scilly (St. Mary's)	1026.2	+18	NW	4	N	52	75	8	8	6	2-3	2-3	1800	1027.3	+6	NW	2	N	47	75	8	8	-	2-3	2-3	1500	1	2	bcm	bcm	bcm	bcm		
	Guernsey	1026.2	+18	NW	4	N	52	75	8	8	6	2-3	2-3	1800	1027.3	+6	NW	2	N	47	75	8	8	-	2-3	2-3	1500	1	2	bcm	bcm	bcm	bcm		
6	Pembroke	1025.2	+10	NW	4	N	50	65	8	8	-	4-6	4-6	3000	1027.5	+4	NW	2	N	45	75	9	4	4	8	1	2-3	3000	1	1	bcm	bcm	bcm	bcm	
7	Holyhead	1025.5	+10	NW	3	N	49	65	9	1	-	4-6	4-6	3500	1025.9	+6	NW	3	N	47	65	7	1	-	7-8	7-8	3500	1	2	bcm	bcm	bcm	bcm		
	Chester (Sealand)	1024.9	+14	NW	3	N	48	65	8	7	-	2-3	2-3	3000	1025.5	+2	NW	1	N	42	75	7	5	-	2-3	2-3	3000	1	*	bcm	bcm	bcm	bcm		
8	Manchester	1024.4	+20	NW	3	N	48	65	7	1	-	1	1	3500	1025.0	+6	NW	2	N	47	85	6	5	3	-	1	4000	1	*	bcm	bcm	bcm	bcm		
10	Spurn Head	1021.4	+22	NW	4	N	49	75	7	4	3	4-6	7-8	4000	1022.8	0	NW	3	N	43	85	7	-	1	0	2-3	-	0	2	bcm	bcm	bcm	bcm		
	Catterick	1023.4	+8	NW	2	N	47	55	8	1	-	2	2	7-8	2500	1022.9	-2	NW	2	N	42	55	6	-	4	2	0	2-3	-	0	2	bcm	bcm	bcm	bcm
	Tynemouth	1022.6	+6	NW	3	N	44	65	7	2	3	2-3	4-6	3200	1022.6	0	NW	3	N	44	75	6	2	3	-	2-3	4-6	3000	1	2	bcm	bcm	bcm	bcm	
11	St. Abbs Head	1019.7	-8	NW	5	N	44	65	9	4	4	7-8	7-8	2500	1018.6	-2	NW	3	N	46	75	8	5	-	4-6	7-8	2500	0	3	bcm	bcm	bcm	bcm		
	Leuchars	1020.5	-6	NW	5	N	44	85	7	5	7	4-6	9	4500	1019.4	-2	NW	3	N	44	75	8	5	7	-	4-6	9	3200	1	*	bcm	bcm	bcm	bcm	
12	Renfrew (Abbots L.)	1022.4	-6	NW	4	N	49	65	9	8	-	4-6	9	2000	1021.7	-2	NW	2	N	43	85	7	8	3	2	4-6	7-8	1600	1	*	bcm	bcm	bcm	bcm	
	Eskdalemuir	1022.2	0	NW	4	N	49	65	8	7	4	1	7-8	2500	1022.2	-2	NW	5	N	41	75	8	5	7	-	2-3	4-6	1500	1	*	bcm	bcm	bcm	bcm	
	Point of Ayre	1024.5	+6	NW	4	N	49	75	8	4	4	1	4-6	4000	1024.4	0	NW	5	N	47	75	8	4	1	1	2-3	2500	0	2	bcm	bcm	bcm	bcm		
13A	Tiree	1021.7	-2	NW	5	N	48	75	8	8	-	9	9	1500	1020.4	-4	NW	4	N	48	75	7	8	-	7-8	7-8	1500	1	4	bcm	bcm	bcm	bcm		
13B	Stornoway	1019.4	-10	NW	2	N	43	85	8	7	7	2-3	10	1600	1018.1	-8	NW	2	N	42	92	8	8	7	-	9	10	900	1	2	bcm	bcm	bcm	bcm	
15	Dalwhinnie	1020.5	-4	NW	3	N	39	92	7	5	-	10	10	1500	1019.2	-4	NW	2	N	39	85	7	5	1	-	4-6	9	800	1	*	bcm	bcm	bcm	bcm	
	Aberdeen	1018.8	-2	NW	3	N	44	85	7	8	7	3	7-8	9	2500	1018.1	-4	NW	1	N	41	85	6	5	7	-	1	9	4000	1	2	bcm	bcm	bcm	bcm
	Wick	1018.2	0	NW	3	N	40	92	8	5	7	3	4-6	9	1500	1018.1	-4	NW	1	N	41	85	6	5	7	-	1	9	4000	1	2	bcm	bcm	bcm	bcm
16	Lerwick	1016.2	+4	NW	4	N	37	65	8	5	7	-	7-8	9	1500	1016.8	0	NW	4	N	38	85	7	8	2	-	7-8	10	800	4	*	bcm	bcm	bcm	bcm
17	Blackod Point	1026.9	-4	NW	1	N	51	65	8	2	-	2-3	4-6	2500	1024.4	-14	NW	2	N	49	75	8	4	-	2-3	4-6	2500	0	1	bcm	bcm	bcm	bcm		
18	Malin Head	1024.0	-4	NW	2	N	49	65	8	5	6	4-6	7-8	5700	1022.5	-6	NW	4	N	46	85	7	5	6	-	4-6	9	4000	0	3	bcm	bcm	bcm	bcm	
	Aldergrove	1025.2	-6	NW	3	N	48	65	8	1	-	1	1	3500	1024.7	-2	NW	3	N	48	85	5	-	4	0	7-8	-	0	*	bcm	bcm	bcm	bcm		
19	Birr Castle	1027.5	-2	NW	1	N	50	65	7	-																									



Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 7th November				18h. G.M.T. 8th November				01h. G.M.T. 8th November				07h. G.M.T. 8th November			
IIIC	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	52	02864	27326	52	02755	00087	5-	22748	03468	5-	71647	32377			
115	52	02835	12388	53	10344	24365	52	88834	32487	52	81844	04487			
203															
206	87	02864	22327	52	01845	25267	5-	25858	24283	8-	81848	00058			
210	87	81846	26487	5-	25807	22387	5-	25857	23387	56	02856	00087			
220															
230	87	25855	24488	86	81746	24487	86	01853	22383	8-	02855	30188			
245	57	02864	24327	57	22864	22168	53	01882	23213	5-	02867	22227			
260	07	05690	22313	50	05654	22287	5-	02873	22315	89	81864	24385			
277	20	01953	27414	14	00951	25412	50	01864	24424	57	01862	23424			
279															
285	13	01852	30615	43	01853	30515				20	25745	28485			
288	80	02752	26215	04	01890	20224	07	02790	20316	07	02890	16225			
273										13	01553	16405			
301	10	00762	30313	80	17654	28314	5-	01765	28315	59	02753	24415			
321				00	00590	26112	07	08480	28313	07	05590	22315			
299	8-	25744	32484	57	05653	22214	50	05543	22213	54	08443	22214			
292	10	01862	32415	04	01730	24213	57	02665	23218	44	01861	22113			
310				--	01633	24413									
316	84	05654	30314	04	05590	24214	50	05563	00003	54	05563	24215			
333	20	00862	03313	40	01952	00014	40	02761	26115	27	02864	25327			
334	--	01953	24103							--	03544	04128			
340	20	05663	30313	50	05530	20204	00	01790	24114	53	01972	22314			
136	86	25853	01484	86	01863	29214	00	05590	22210	54	05661	23303			
336	--	02853	32415							--	02753	32415			
350				00	05590	24210				07	05590	16214			
368															
379	5-	05547	32327	20	05690	28110	03	05690	26101	03	05690	24211			
390	84	01754	30484	50	08453	26113	00	08490	23210	--	48103	00049			
382	23	05653	32314	50	08461	00001	04	08490	00001	57	41463	32144			
428	53	01743	32414							50	02545	25315			
430	10	05653	32403	5-	05577	30217	00	08490	28104	03	08490	00014			
409	26	01854	32484	10	05762	00012	10	00763	15113	13	02852	18126			

II = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, V = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>M</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 8th November
1 S.E. England	Light southwest wind backing south and freshening, veering southwest later. Fair at first; rain spreading from West during night. Average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Freshening south wind, strong on coasts, veering southwest. Fair at first, rain during night followed by bright intervals and showers.
6 South Wales ...	
7 North Wales ...	Average temperature.
8 N.W. England	
9 N. Midlands ...	Freshening south to southeast wind, strong on coasts veering southwest.
10 N.E. England	Fair at first, rain later. Average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotland B.N.W. Scotland.	Freshening southeast to east wind, strong on coasts tending to veer. Local rain at first; a period of continuous rain later: cold.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Fresh south wind, strong on coasts veering southwest. Rain at first; bright intervals and showers later. Average temperature.
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 wedge of high pressure is crossing the British Isles and a trough of low pressure is approaching West Ireland. Weather will be fair to-day over most of Great Britain but rain will spread eastward tonight probably reaching the East tomorrow morning.

#### FURTHER OUTLOOK.

Unsettled.

Gale warnings issued 0700 8.11.40 for districts 17 and 20 and at 0810 8.11.40 for districts 12 (part) 13 A & B and 19.

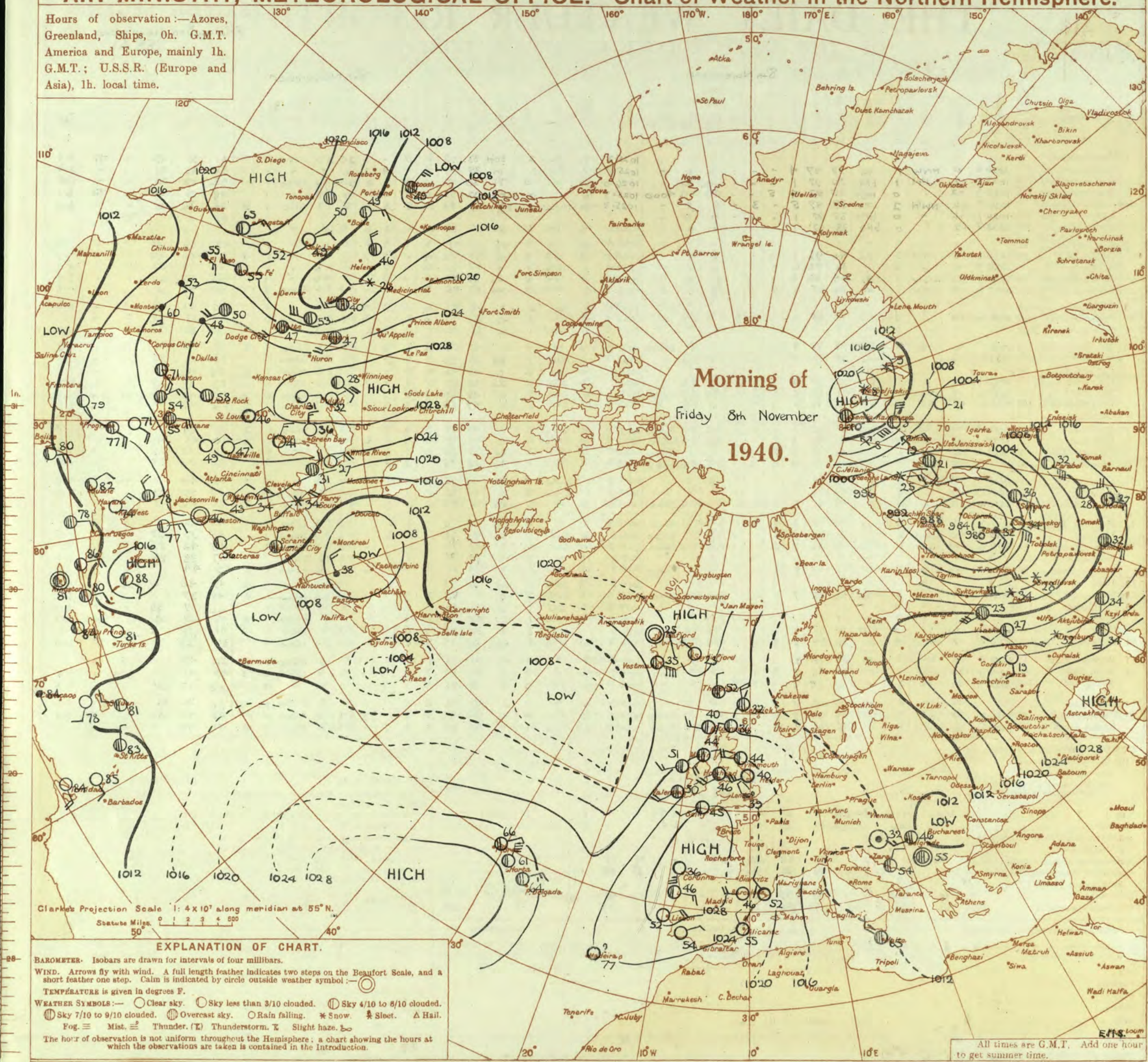
Forecasts issued at 1030 G.M.T. N. K. JOHNSON. D.Sc., A.R.C.S. Director.

H.M.S.O. Press, Crown Office, S.E.1. 258/1355 24.9.40 0.3705 3000.99.948 11/40



# 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. 8th November															OBSERVATIONS at 7 hr. G.M.T. 8th November															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.			SUNSHINE 7th-7th.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Direc.	Force.	Form.	Amount.			Height of Base (feet).	Max. Day 7th-18th °F.	Min. Night 18th-7th °F.	Min. on Grass °F.	Day 7th-18th mm.	Night 18th-7th mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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AIR  
MINISTRY.

## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 8th November 1940.

No. 28842.

OBSERVATIONS at 13h. G.M.T. 8th November														OBSERVATIONS at 18h. G.M.T. 8th November														PAST 24 HOURS.							
Direction.	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.				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 (26) (27)	Height of Base (feet) (28)	7h.—18h. ...8th... (37)	18h.—18h. ...8th... (38)			18h.—8th 1h.—7h. (39) (40)							
1	London (Kew)...	1022.7	-18	SW	3	c	48	65	7	2	5	6	4-6	7-8	2500	1019.8	-12	S'W	2	z	46	85	6	5	1	-	4-6	4-6	2500	1	*	bcc	bcc	bcc	bcc
	Croydon ...	1023.0	-18	W	1	z	50	55	5	7	4	2	2-3	4-6	3500	1020.2	-18	SSW	2	z	45	85	5	5	-	-	4-6	4-6	3000	1	*	bcc	bcc	bcc	bcc
	S. Farnborough ...	1023.3	-18	SW	4	c	50	65	8	1	4	3	1	7-8	3500	1019.6	-16	SSE	2	z	46	85	5	4	3	3	2-3	7-8	4000	1	*	bcc	bcc	bcc	bcc
	Boscombe Down ...	1023.4	-24	SSW	2	c	48	75	7	8	7	-	4-6	8	2500	1018.9	-18	S	3	z	43	85	6	5	-	-	2-3	2-3	2500	1	*	bcc	bcc	bcc	bcc
	Calshot (Soton.) ...	1023.1	-22	SW	4	bc	53	65	8	7	4	2	2-3	4-6	2800	1019.5	-20	W'S	2	z	51	75	8	7	7	-	7-8	9	2500	1	2	bcc	bcc	bcc	bcc
	Lymington ...	1023.0	-22	WS	3	bc	48	65	8	-	4	3	0	2-3	-	1021.3	-6	SW	1	z	45	75	6	-	2	7	0	10	-	1	*	bcc	bcc	bcc	bcc
	Manston ...	1023.0	-18	W	3	c	50	55	8	-	-	-	-	-	3000	1020.3	-6	SW	2	c	42	75	7	-	7	6	0	9+	-	1	*	bcc	bcc	bcc	bcc
2	Shoeburyness ...	1022.8	-18	WSW	2	bc	56	75	5	-	4	4	0	2-3	-	1020.5	-12	W'S	2	c	47	85	6	5	7	-	4-6	10	5700	1	*	bcc	bcc	bcc	bcc
	Felixstowe ...	1022.1	-18	WS	3	z	47	65	6	-	7	6	0	7-8	1600	1020.0	-8	SW	2	c	45	75	4	-	7	7	0	9+	-	1	1	bcc	bcc	bcc	bcc
	Gorleston ...	1021.3	-14	W	3	c	48	85	6	-	3	0	0	7-8	-	1019.5	-12	SW'S	2	c	45	85	6	-	7	-	0	9+	-	1	2	bcc	bcc	bcc	bcc
	Mildenhall ...	1021.3	-20	SWW	4	c	46	75	8	-	9	4	0	7-8	-	1019.1	-12	S'W	2	z	43	85	6	-	7	-	0	9+	-	1	*	bcc	bcc	bcc	bcc
	Cranwell ...	1020.7	-22	WSW	4	z	46	75	6	-	-	8	0	7-8	-	1018.5	-10	SW	2	z	41	85	6	5	-	-	2-3	2-3	3000	0	*	bcc	bcc	bcc	bcc
3	Birmingham ...	1021.1	-16	SW	2	bc	46	75	7	5	-	-	4-6	4-6	7200	1017.6	-20	SSW	2	c	43	85	6	5	-	8	4-6	4-6	5700	1	*	bcc	bcc	bcc	bcc
	Upper Heyford ...	1022.7	-18	SSW	3	c	47	75	6	-	4	6	0	9	-	1018.8	-22	S'W	2	bc	41	92	7	5	4	7	4-6	4-6	3000	1	*	bcc	bcc	bcc	bcc
4	Ross-on-Wye ...	1021.0	-20	SW'S	3	c	48	75	7	1	-	7	1	9	2500	1016.9	+14	S	3	bc	47	75	7	5	-	1	2-3	2-3	2500	1	*	bcc	bcc	bcc	bcc
5	Hartland Point ...	1019.5	-28	WSW	3	c	50	75	8	2	7	8	4-6	7-8	2000	1015.3	-22	S	3	c	49	85	8	5	1	-	4-6	9+	1500	1	3	bcc	bcc	bcc	bcc
	Bristol ...	1022.2	-18	SSW	3	c	49	65	8	1	7	7	7	9+	3000	1018.2	-20	S	2	z	46	75	6	4	3	3	2-3	4-6	4500	1	*	bcc	bcc	bcc	bcc
	Portland Bill ...	1022.1	-20	SW	3	c	53	82	8	5	4	-	4-6	9	4000	1018.3	-12	S	2	z	46	75	6	4	3	3	2-3	4-6	4500	1	*	bcc	bcc	bcc	bcc
	Plymouth ...	1022.0	-28	WSW	3	c	52	65	8	5	3	6	7-8	9+	3500	1017.9	-22	SW	4	c	53	75	8	7	7	-	7-8	10	4000	1	3	bcc	bcc	bcc	bcc
	The Lizard ...	1021.3	-24	SSW	4	bc	53	75	8	6	-	-	4-6	4-6	2600	1016.9	-30	SSW	6	bc	52	85	8	8	-	-	4-6	4-6	2500	0	3	bcc	bcc	bcc	bcc
	Scilly (St. Mary's) ...	1020.3	-26	SSW	4	c	53	65	8	7	-	-	4-6	9+	1800	1018.0	-30	S'W	5	c	53	85	8	5	3	-	7-8	9+	1800	1	3	bcc	bcc	bcc	bcc
	Guernsey ...	1020.3	-26	SSW	4	c	53	65	8	7	-	-	4-6	9+	1800	1018.0	-30	S'W	5	c	53	85	8	5	3	-	7-8	9+	1800	1	3	bcc	bcc	bcc	bcc
6	Pembroke ...	1019.2	-14	SW	4	c	52	75	8	8	7	-	7-8	9+	2500	1013.2	-28	S'W	6	c	53	85	8	8	-	-	9+	9+	2500	1	4	bcc	bcc	bcc	bcc
7	Holyhead ...	1016.7	-30	SSW	5	z	52	75	8	5	7	-	7-8	10	2000	1011.5	-20	S	5	bc	51	85	8	6	2	-	4-6	10	2000	1	3	bcc	bcc	bcc	bcc
	Chester (Sealand) ...	1019.0	-22	S	2	z	50	75	6	7	-	-	4-6	9	3000	1015.1	-22	SE/E	2	bc	43	85	6	5	4	-	Tr	4-6	4000	1	*	bcc	bcc	bcc	bcc
8	Manchester ...	1019.3	-18	SW	3	c	47	75	6	-	4	8	-	-	-	1016.0	-16	S'E	3	z	44	85	6	5	-	-	2-3	2-3	4000	1	*	bcc	bcc	bcc	bcc
10	Spurn Head ...	1018.3	-10	SSW	4	bc	48	65	6	5	-	1	4-6	4-6	4000	1016.9	-6	SSW	3	bc	43	85	6	-	-	1	0	2-3	-	0	2	c	bcc	bcc	bcc
	Catterick ...	1017.5	-18	WSW	1	c	49	65	8	8	3	5	4-6	9	3000	1015.3	-10	S	1	m	45	85	4	5	-	6	4-6	7-8	2500	0	-	c	bcc	bcc	bcc
	Tynemouth ...	1017.7	-12	SW	3	z	50	75	6	8	-	-	7-8	7-8	2500	1015.8	-10	SW	3	z	46	85	6	8	-	-	4-6	4-6	3200	1	2	bcc	bcc	bcc	bcc
11	St. Abbs Head ...	1015.0	-12	SW	3	bc	48	75	8	4	7	2	2-3	4-6	2500	1012.2	-12	SSW	3	bc	46	85	8	4	7	-	2-3	7-8	2500	1	2	bcc	bcc	bcc	bcc
	Leuchars ...	1014.5	-14	-	0	bc	43	92	5	-	2	-	10	10	1800	1011.9	-16	E	1	bc	45	92	5	5	-	-	9+	9+	1200	1	*	bcc	bcc	bcc	bcc
12	Renfrew (Abbots L.) ...	1014.8	-18	SW	2	bc	48	85	6	5	2	-	9	10	2300	1010.1	-30	SE	2	bc	47	92	6	5	7	-	7-8	10	2000	1	*	bcc	bcc	bcc	bcc
	Eskdalemuir ...	1015.8	-18	WSW	4	c	44	85	7	1	-	-	7-8	10	1500	1012.4	-18	S'W	3	bc	44	92	6	-	2	-	10	10	2200	1	*	bcc	bcc	bcc	bcc
	Point of Ayre ...	1016.0	-24	SWW	3	c	52	85	8	7	7	7	4-6	10	1500	1010.9	-30	SSW	5	bc	50	92	7	8	2	-	7-8	10	1500	1	3	bcc	bcc	bcc	bcc
13A	Tiree ...	1009.8	-24	S	4	c	40	92	7	5	7	-	4-6	7-8	1800	1004.6	-30	SSE	5	bc	50	92	7	6	-	-	10	10	1500	1	4	bcc	bcc	bcc	bcc
13B	Stornoway ...	1013.2	-24	ENE	4	z	43	92	7	5	2	-	7-8	10	1500	1018.2	-24	SE	5	bc	46	92	7	5	2	-	4-6	10	1000	1	3	bcc	bcc	bcc	bcc
15	Dalwhinnie ...	1014.5	-18	SW	2	bc	42	92	7	8	-	-	9+	9+	800	1010.0	-14	SSE	3	bc	41	92	6	5	1	-	7-8	10	800	1	*	bcc	bcc	bcc	bcc
	Aberdeen ...	1015.0	-14	NW	1	c	41	85	7	6	2	-	2-3	9+	1500	1012.4	-18	SSE	3	bc	43	92	6	6	2	-	9	10	1500	1	2	bcc	bcc	bcc	bcc
	Wick ...	1015.4	-12	E	3	bc	38	85	8	7	8	-	7-8	9	1500	1012.5	-16	SSE	5	bc	40	92	7	6	2	-	7-8	10	1500	1	2	bcc	bcc	bcc	bcc
16	Lerwick ...	1016.1	+2	NE	3	bc	37	55	8	5	-	-	4-6	4-6	1500	1015.3	-4	NW	2	c	33	92	8	8	3	-	4-6	7-8	1500	3	*	bcc	bcc	bcc	bcc
17	Blacksod Point ...	1005.6	-46	S'E	6	bc	51	97	7	6	-	-	10	10	1150	1001.1	-14	SSW	4	bc	53	92	7	6	-	-	10	10	1150	1	3	bcc	bcc	bcc	bcc
18	Malin Head ...	1009.8	-34	S	5	bc	49	85	8	4	-	4	4-6	7-8	2500	1002.8	-16	S'E	5	bc	49	92	6	6	7	-	4-6	9	1500	0	3	bcc	bcc	bcc	bcc



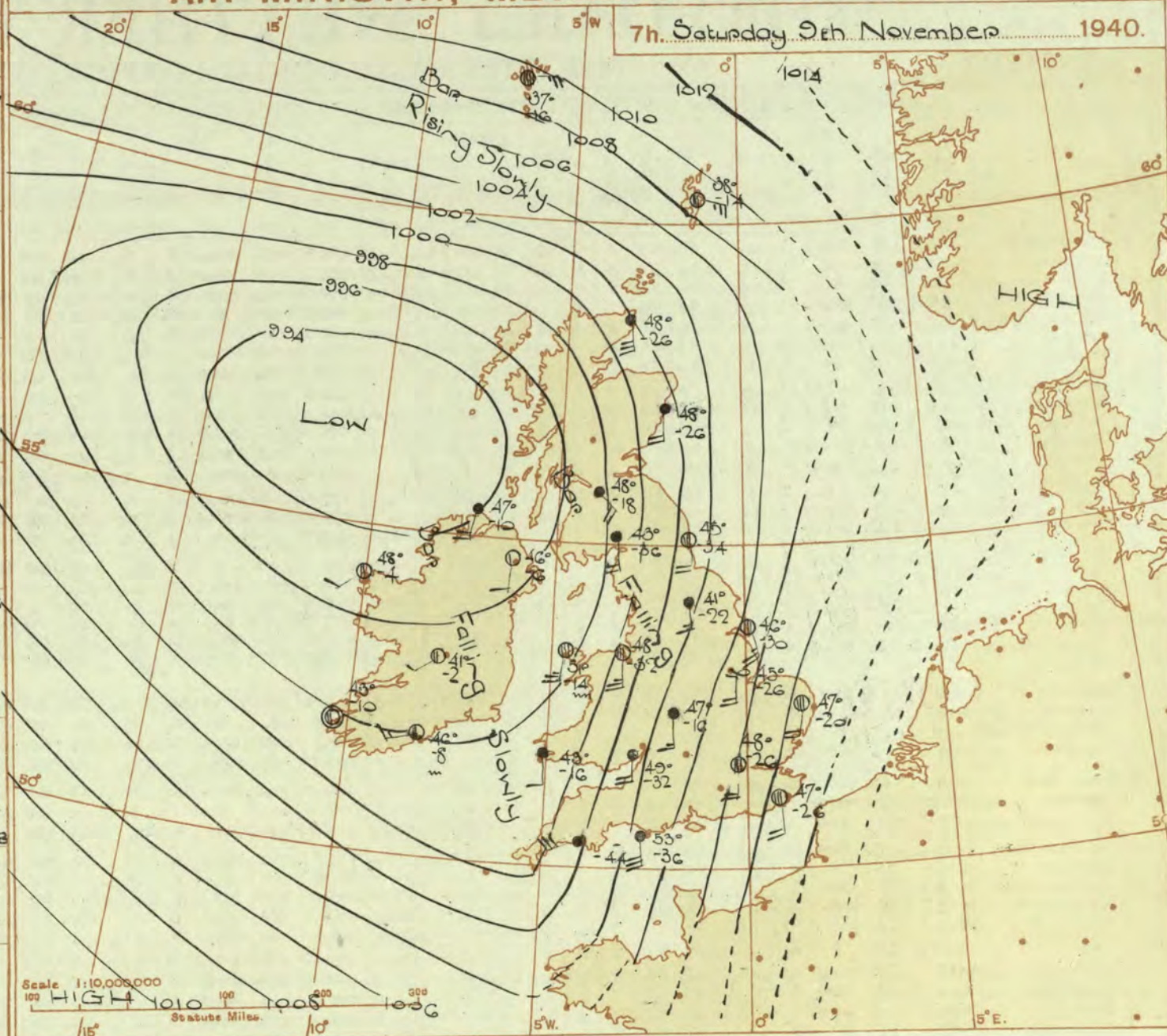
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T.	18h. G.M.T.	01h. G.M.T.	07h. G.M.T.
III, C <sub>M</sub> , wwVhN <sub>h</sub> , DDFWN	C <sub>M</sub> , wwVhN <sub>h</sub> , DDFWN	C <sub>M</sub> , wwVhN <sub>h</sub> , DDFWN	C <sub>M</sub> , wwVhN <sub>h</sub> , DDFWN
109 79 02055 04216		6- 62628 45768	6- 64648 45568
115	52 62835 43868	52 81835 43588	52 62735 12588
203	51 01954 08468		5- 64848 08468
204 52 61744 04258	52 61744 08268	62 62645 08368	62 62645 06368
210		5- 64748 08368	52 02846 12568
220 62 62735 15268	02 05636 15428		
230 52 02944 16267	62 62646 16268	6- 64638 16368	62 64735 16268
245 52 61756 09368	51 61446 22168	51 62646 16568	5- 62548
260 83 02752 22227	57 02865 14167	62 62668 14468	52 61754 45468
277 57 02876 19468	52 62744 19468	62 64636 18768	62 62647 19368
279 -- 51762 26428		-- 22652 19468	-- 02784 19628
285 8- 02747 24527	8- 61637 20967		-- 67109 08669
288 17 02862 20326	53 05654 18325	07 17590 17225	57 62654 14428
278 33 01653 14615			37 63253 18368
301 81 05663 16428	53 05665 16457	57 05665 17567	52 61599 14968
32103 05690 19414		07 05590 14313	51 05575 16428
299 57 08443 22214	57 08543 22214	5- 05544 22314	5- 05645 22415
292 54 17654 22215	5- 08667 18117	51 41464 14247	62 62426 16328
310 -- 05635 26215	-- 08433 26313		
316 04 08490 26225	00 47390 18125	07 45290 00042	52 22496 16468
338 82 42865 19468	52 61856 18667	5- 22748 16868	62 64635 49768
334 -- 03855 26228			-- 13654 16558
340 83 02864 18326	13 05551 14315	57 05663 17426	57 05645 15567
13600 02790 26315	03 01790 18327	07 05590 16316	07 05690 14467
336 -- 02853 04415	-- 02853 16517		-- 22742
350 77 02753 17217	03 00690 18212		
368			
379 59 05662 26227		5- 41637 14267	62 62626 16268
390 07 05590 24314	57 08454 20127	53 41455 16245	52 05576 16327
382 17 02862 26317	03 05590 00014	57 05653 14328	52 22646 15468
438 55 21754 24414			5- 14757 19627
430 07 01790 26214	87 25755 26388	53 05654 18415	5- 02648 18528
409	5- 02867 17427	52 62647 15868	62 64638 16468

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>M</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 9th November 1940.



Scale 1:10,000,000  
100 1000 10000 100000  
15° 10° 5°  
Statute Miles.

DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 9th November

1 S.E. England	Fresh southerly wind, increasing to strong to gale at times in exposed places, veering southwesterly and moderating to-morrow. Much rain today, heavy at times, showers and a few bright intervals to-morrow. Rather mild today, somewhat cooler to-morrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Strong southerly wind veering southwesterly, moderate, freshening westerly later. Occasional rain or showers with a few bright intervals; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 1-4.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Strong to gale southeasterly wind, veering and decreasing later. Intermittent rain at first, showers and some bright intervals later. Average temperature.
13 { A. W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	Strong to gale southeasterly wind, backing easterly. Intermittent rain; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate southwesterly wind, veering slowly west to northwest and freshening. Occasional local rain or showers and bright intervals; cool.
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 northwest of Ireland and an associated trough in the Irish Sea are moving slowly eastward. A belt of rain, heavy at times, over England, Wales and Scotland, is moving eastwards, and showery conditions with a few bright intervals over Ireland will spread later today and tonight across Wales, England and Western Scotland. In East and Northeast Scotland rainy weather will continue.

FURTHER OUTLOOK.

Showers and bright intervals in the West and South, spreading later to the North.

Gale warning issued at 0700 8.11.40 in districts 17 and 20, at 0810 8.11.40 in districts 12, 13, 18 and at 1930 8.11.40 in districts (part) 5, 6, 7, 8, 11, 15 & 16.

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

Forecasts issued at

W. S. O. Press, Cornwall House, E.C.1.

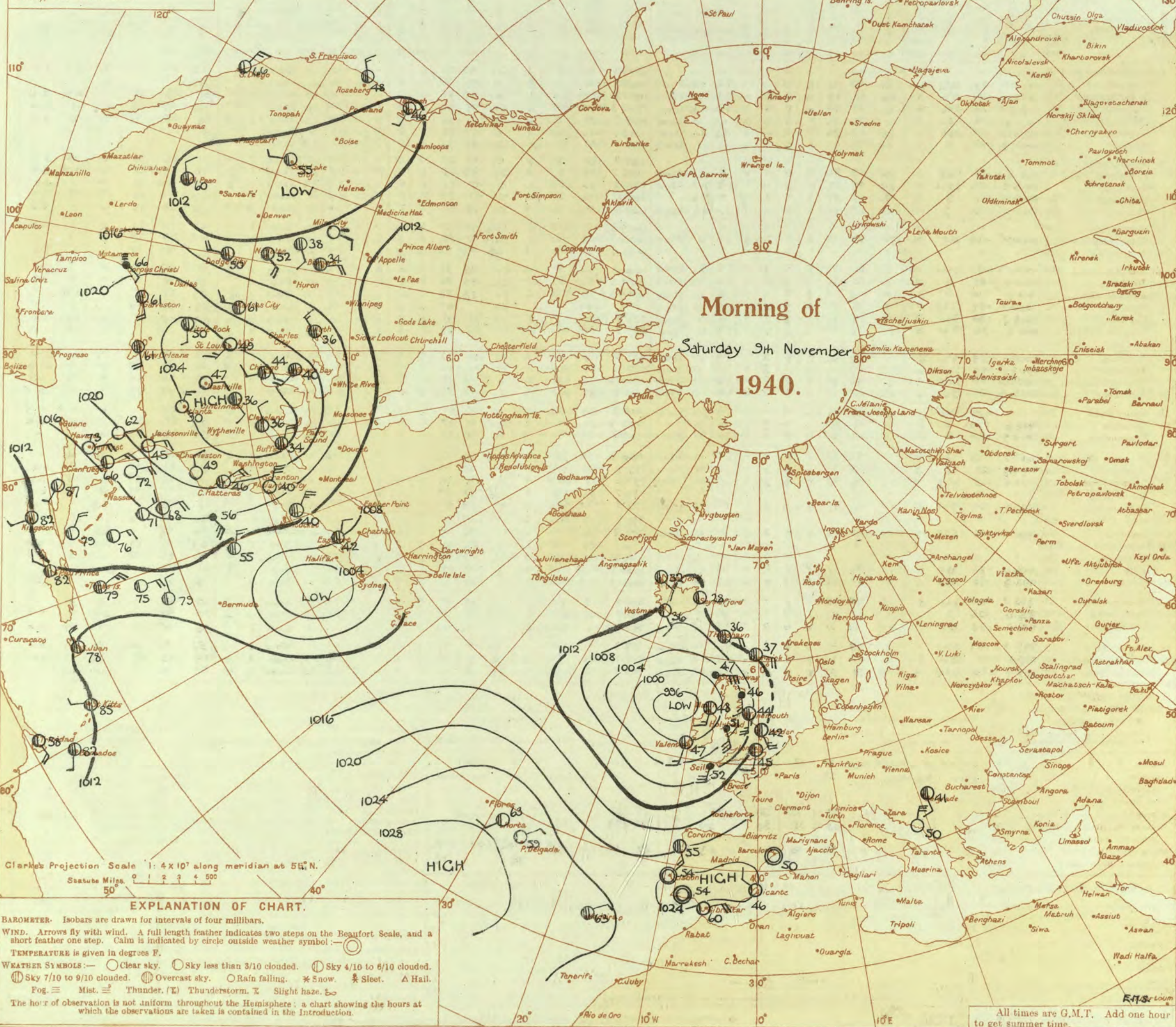
268 (3012) 2nd ed. 1940. 5.75s. 500 copies.



# 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 9th November  
1940.



## 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  
Sunday 10th November 1940.  
No. 28843

OBSERVATIONS at 13h. G.M.T. On November															OBSERVATIONS at 18h. G.M.T. On 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. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 9 (9)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Visibility (23)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.												
				Direc. (3)	Force. 0-12 (4)					Low. (10)	Med. (11)	High. (12)	Low 0-10 (13)			Total 0-10 (14)	Direc. (17)					Force 0-12 (18)	Low (24)	Med. (25)	High. (26)			Low 0-10 (27)	Total 0-10 (28)	7h.—13h. ... (37)	13h.—18h. ... (38)	18h.—24h. 1h.—10h (39)	1h.—7h. 10h.— (40)							
																																		Form.	Amount.	Height of Base (feet) (14)	Form.	Amount.	Height of Base (feet) (28)	
1	London (Kew)...	1002.1	-2.0	SE	5	c	48	85	5	2	-	3	10	1500	997.0	-2.4	SE	4	c	46	85	6	2	-	7-8	10	1500	1	*	c	g	c	c	b	c	w				
	Croydon ...	1002.9	-3.6	SE	3	c	46	82	5	6	7	-	3	10	300	997.8	-2.2	SE	3	c	45	97	5	6	2	-	10	10	600	1	*	c	m	r	r	c	m	b		
	S. Farnborough	1002.1	-3.6	SE	4	c	47	92	5	2	-	3	10	700	998.0	-2.6	SE	4	c	47	97	5	6	2	-	3	10	800	1	*	m	s	d	e	r	c	m	b		
	Boscombe Down	998.5	-4.4	SES	5	c	46	97	6	6	2	-	3	10	700	998.8		WSE	2	c	45	97	6	6	2	-	3	10	800	1	*	m	s	d	e	r	c	m	b	
	Calshot (Soton.)	1000.0	-4.6	SE	6	c	46	92	6	5	-	-	10	10	700					45	85	6	6	2	-	3	10	800	1	*	c	m	r	r	c	m	b			
	Lymington	1006.5	-3.4	SW	5	c	47	75	7	5	3	-	2-3	3	1500	1001.3	-3.0	S	5	c	46	85	5	6	2	-	7-8	10	800	1	* &	c	m	r	r	c	m	b		
	Manston	1005.6	-4.0	SE	5	c	47	75	6	7	-	-	3	10	1500	-3.0	S	5	7	46	85	5	6	2	-	10	10	700	1	*	c	m	r	r	c	m	b			
2	Shoeburyness ...	1005.4	-3.6	SE	5	c	48	85	8	5	7	-	2-3	10	4000	1000.1	-2.2	S	6	c	47	85	7	5	-	-	10	10	2500	1	*	c	a	i	c	e	b	c		
	Felixstowe ...	1005.3	-3.6	SE	6	c	47	75	7	5	7	-	7-8	3	5000	999.9	-2.8	S	6	c	47	85	6	5	2	-	3	10	3500	1	3	c	a	i	c	e	b	c		
	Gorleston ...	1006.0	-3.6	SE	6	c	48	85	6	5	-	-	3	3	2500	1001.2	-2.0	S	7	c	48	85	6	5	-	-	10	10	2500	1	5	c	a	i	c	e	b	c		
	Mildenhall	1002.8	-3.8	SE	5	c	47	75	7	5	7	-	2-3	10	2500	998.3	-2.2	SE	5	c	47	75	7	5	7	-	7-8	10	4000	1	5	c	a	i	c	e	b	c		
	Cranwell	1002.1	-3.0	SE	5	c	46	85	6	6	-	-	10	10	600	997.2	-2.6	SE	5	c	46	92	6	6	-	-	10	10	600	1	*	i	s	d	e	r	c	m	b	
3	Birmingham	999.7	-3.0	SE	3	c	45	97	6	6	-	-	10	10	800	994.6	-2.0	SE	3	c	45	92	6	6	-	-	10	10	800	1	*	c	a	i	c	e	b	c		
	Upper Heyford	1000.6	-3.8	SE	4	c	46	85	6	6	2	-	4-6	10	700	995.4	-2.4	SE	4	c	44	97	6	6	2	-	7-8	10	600	1	*	c	a	i	c	e	b	c		
4	Ross-on-Wye ...	998.5	-4.0	SE	4	c	47	92	6	6	2	-	3	10	1500	994.1	-6	W	3	c	44	85	8	5	1	-	4-6	3	1500	1	*	c	a	i	c	e	b	c		
5	Hartland Point	996.3	-1.4	SW	3	c	48	97	7	5	2	-	4-6	10	1500	996.1	+2	WNW	3	c	48	92	8	8	2	-	3	10	1500	1	2	r	r	c	i	c	e	b	c	
	Bristol ...	997.0	-4.2	SE	4	c	48	97	7	6	2	-	3	10	700	995.3	+6	W	2	c	45	85	7	5	7	-	4-6	3	2500	1	1	c	a	i	c	e	b	c		
	Portland Bill	997.5	-4.0	S	3	c	52	92	7	5	-	-	10	10	1500	997.5	+4	W	3	c	52	92	7	5	-	-	10	10	2500	1	5	r	r	c	i	c	e	b	c	
	Plymouth	997.0	-1.0	WNW	1	c	49	97	6	3	2	-	7-8	10	800	997.7	+8	WNW	3	c	49	92	6	3	2	-	7-8	3	800	1	2	c	a	i	c	e	b	c		
	The Lizard	997.9	-0.8	W	4	c	52	85	8	8	1	-	3	10	2900	998.2	+6	W	5	c	51	85	8	8	6	-	7-8	7	2500	1	3	p	r	c	i	c	e	b	c	
	Scilly (St. Mary's)	998.4	-0.8	WNW	2	c	51	85	8	7	-	-	7-8	3	1200	998.1	+8	WNW	4	c	51	75	8	8	7	-	7-8	7	1000	1	3	c	p	r	c	i	c	e	b	c
	Guernsey ...																																							
6	Pembroke ...	996.1	-1.4	WNW	2	c	50	92	7	8	2	-	7-8	10	2500	996.0	+2	NW	1	c	47	97	7	8	2	-	7-8	3	2500	1	2	p	r	c	i	c	e	b	c	
7	Holyhead	995.5	-1.8	WSW	1	c	50	85	6	8	7	-	3	3	2800	994.9	-4	WNW	3	c	50	85	8	2	7	-	4-6	3	2500	1	1	c	a	i	c	e	b	c		
	Chester (Sealand)	996.3	-2.8	SE	2	c	49	92	6	6	2	-	7-8	10	800	994.8	-8	N	2	c	46	92	5	6	2	-	3	10	800	1	*	c	a	i	c	e	b	c		
8	Manchester ...	998.3	-3.0	SE	6	c	48	92	5	6	2	-	7-8	10	1400	995.5	-14	ESE	3	c	46	97	4	6	2	-	7-8	10	1200	2	*	c	a	i	c	e	b	c		
10	Spurn Head	1001.8	-2.0	SE	4	c	47	85	7	5	-	-	10	10	4000	997.1	-16	SE	6	c	46	85	6	5	-	-	10	10	2500	1	4	i	c	e	b	c	c			
	Catterick	999.9	-2.0	S	3	c	46	97	4	5	2	-	10	10	500	997.2	-2	S	3	c	48	97	4	5	2	-	3	10	500	1	3	c	a	i	c	e	b	c		
	Stymouth	1000.5	-2.0	SE	4	c	49	85	6	1	2	-	10	10	1800	998.0	-8	S	5	c	45	92	6	6	-	-	10	10	1500	1	3	c	p	r	c	i	c	e	b	c
11	St. Abbs Head	996.8	-2.6	S	4	c	46	92	6	5	2	-	7-8	10	2500	995.3	0	S	3	c	46	97	6	5	2	-	3	10	2000	1	2	r	r	c	i	c	e	b	c	
	Leuchars	996.4	-1.4	SE	3	c	47	92	7	5	2	-	7-8	10	300	994.6	0	S	2	c	47	92	6	5	1	-	4-6	10	2500	2	*	r	r	c	i	c	e	b	c	
12	Renfrew (Abbots L.)	995.6	-2	SW	2	c	50	85	8	7	-	-	7-8	10	1600	995.1	-4	E	1	c	44	92	5	5	7	-	4-6	10	2500	1	*	c	a	i	c	e	b	c		
	Eskdalemuir	996.2	-1.4	SW	3	c	45	92	6	-	2	-	10	10	800	994.9	-4	SSW	1	c	45	97	4	-	2	-	10	10	1500	1	*	c	a	i	c	e	b	c		
	Point of Ayre ...	996.0	-6	WSW	2	c	50	92	8	2	7	-	2-3	3	2500	994.8	-2	WN	2	c	45	97	8	5	7	-	2-3	3	2500	1	2	c	a	i	c	e	b	c		
13A	Tiree ...	991.1	0	SSW	4	c/pr	48	85	7	8	-	-	3	3	1500	991.2	0	SWW	3	c	48	85	8	8	-	-	4-6	4-6	1800	1	3	c	p	r	c	i	c	e	b	c
13B	Stornoway	991.6	-12	SE	4	c/pr	50	85	8	5	7	-	7-8	3	2300	989.8	-4	S	5	c/pr	47	92	6	8	7	-	7-8	3	2000	1	3	c	p	r	c	i	c	e	b	c
15	Dalwhinnie	995.6	-6	SE	6	c	43	92	6	5	1	-	3	10	1500	993.3	0	SE	2	c	43	85	7	5	1	-	4-6	10	2500	1	3	i	c	e	b	c	c	c	c	
	Aberdeen	997.2	-2.6	SW	4	c	48	97	6	6	2	-	3	10	800	994.9	-8	SSW	3	c	49	92	5	6	2	-	3	10	800	1	2	c	a	i	c	e	b	c		
	Wick ...	995.8	-2.2	SE	6	c	49	97	6	6	2	-	7-8	10	800	992.3	-8	S	5	c	49	92	6	5	3	-	3	10	1500	1	3	i	c	e	b	c	c	c		
16	Lerwick...	1002.3	-3.8	SE	7	c	42	97	6	6	2	-	4-6	10	800	996.5	-2.6	ESE	7	c	45	92	6	6	2	-	4-6	10	800	1	*	c	a	i	c	e	b	c		
17	Blackod Point...	995.5	+4	W	3	c	52	75	8	3	6	-	4-6	3	1500	996.7	+2.0	WN	2	c	46	85	8	3	-	3	4-6	7-8	1500	1	2	c	a	i	c	e	b	c		
18	Malin Head	992.8	0	S	3	c	50	85	8	4	6	-	4-6	7-8	2500	993.4	+6	WN	2	c	48	92	7	5	-	-	7-8	7-8	1500	1	2	c	a	i	c	e	b	c		
	Aldergrove ...	995.5	-2	S	2	c	45	92	8	8	-	1	7-8	3	2500	995.3	+6	S	1	c	48	97	7	5	-	8	4-6	3	3500	1	*	c	a	i	c	e	b	c		
19	Birr Castle	994.3	-6	SSW	1	c	52	75	8	2	-	5	2-3	7-8	1500	997.0	+6	W	1	c	46	82	8	3	-	-	0	0	2500	1	2	c	a	i	c	e	b	c		
20	Valentia Obsy. †	996.7	-6	SWW	1	c/pr	50	92	3	3	-	3	2-3	7-8	2500	997.9	+14	W	1	c	45	80	9	2	-	-	1	1	2500	1	2	c	a	i	c	e	b	c		
	Roches Point ...	996.6	-6	NW	2	c	49	92	c	3	4	5	2-3	7-8	1500	997.1	+8	WN	2	c	48	85	8	3	-	3	2-3	2500	1	3	c	a	i	c	e	b	c			

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).  
bc, sky partly cloudy (one half covered). c, generally cloudy.  
d, drizzle. e, wet air. g, gloom.  
f, fog, visibility 220-1100 yds.  
F, thick fog „ less than 220 yds.  
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<sub>o</sub>/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<sub>o</sub>, 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 |
| 1 . . | " wet.                              |       | ground not frozen.                                   |
| 2 . . | " flooded.                          | 8 . . | " covered with snow, less than 6 ins., but           |
| 3 . . | " frozen hard and dry.              |       | ground frozen.                                       |
| 4 . . | " partly covered with snow or hail. | 9 . . | " covered with snow greater than 6 ins. deep.        |
| 5 . . | " covered with ice or glazed frost. | - . . | Fresh snow has fallen in the mountains.              |
| 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 Ce predominating, and a little cirrus.  
(Ce may occur with any of the types 1 to 8).

\_\_\_\_\_

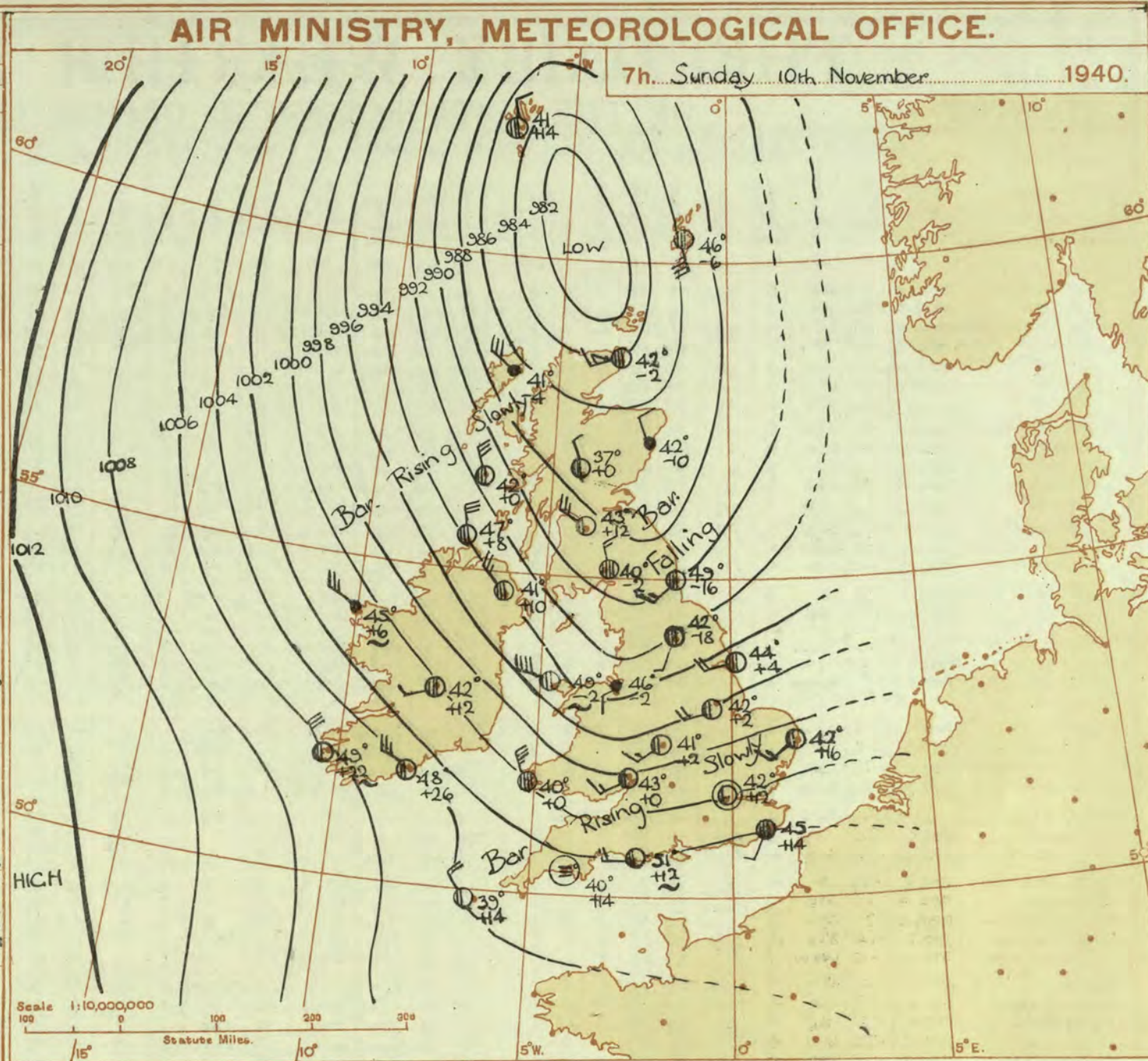
atus,-Cs:	Altocumulus,-Ac:	Altostratus,-As:
ostratus,-Ns:	Cumulus,-Cu:	Cumulonimbus,-Cb.

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.



Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 9th November 1940				15h. G.M.T. 10th November 1940				17h. G.M.T. 10th November 1940			
III	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	wwVhN <sub>h</sub>
109	52	62645	45768				50	00772	16412	52	61665
115	87	62834	45667	87	02734	16465	52	62844	20485	52	62745
203											
206	67	02747	22668	57	02965	20327	54	01963	20214	52	02855
210	52	02854	47568	57	02863	18227	54	01853	16214	5-	22857
220											
230	82	22845	16367	97	10746	14388	8-	25748	20388	80	10848
245	62	22546	49668	62	22447	16468	51	05562	24124	5-	66488
260	57	02855	14467	50	00842	00025	57	64438	16168	72	62746
277	21	20367	---	41	02841	25127	5-	02867	22327	52	22646
279											
285	--	67109	12569	--	67109	12669					
288	02	61428	14468	02	62648	14368	02	64548	16168	57	01754
273											
301	52	22055	14468	02	64548	15268	57	05555	24267	62	64044
321	62	62385	14468	62	64636	13468	5-	52448	24158	57	05563
299				5-	61638	16668	62	62635	20368	57	05644
292	62	62526	14368	62	64426	12268	52	64537	22268	86	81745
310	--	63528	16668								
316	62	63436	48468	62	62436	45368	62	64435	24268	54	02655
333	52	02757	18388	20	02744	26126	23	02745	24387	21	22754
334	--	64758	04168								
340	62	64636	12468	62	64426	14268	5-	05666	20266	5-	51747
136	57	02764	15568	57	62766	14468	52	05646	50568	53	05653
336				--	61743	16468					
350	67	22648	12468							50	05636
368											
379	62	64626	16368	62	62625	12368	53	05663	24314	--	46109
390	52	05644	13428	62	62545	14368	5-	05655	20365	8-	05548
382	62	58665	15458				57	01763	22314	53	01761
438	3-	62748	20668							80	02748
430				52	61525	14668	23	05560	00065	33	47263
409	52	02845	26268	52	81845	24388	5-	81746	24187	23	02844

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 b, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 10th November
1 S.E. England	
2 E. England ...	Moderate southwest to west wind, veering west to northwest and freshening.
3 E. Midlands ...	Bright periods and occasional showers; cool.
4 W. Midlands ...	
5 S.W. England	Strong to gale west to northwest wind; bright periods and occasional
6 South Wales ...	showers; rather cold.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Fresh or strong southwest to west wind, veering west to northwest. Bright
10 N.E. England	periods and occasional showers; cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	As 5-8.
13 { A.W. Scotld. B.N.W. Scot- land.	Wind west to northwest veering northwest to north, strong to gale but
14 Mid Scotland	southerly gale at first in Shetlands. Frequent heavy showers of rain at
15 N. E. Scotland	first, of sleet or snow later; cold.
16 Orkneys and Shetlands	
17 N. W. Ireland	Strong to gale northwest wind; bright periods and occasional showers,
18 N. E. Ireland	rather cold.
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 centred between Shetlands and Faeroes is moving northeast and a ridge of high pressure in the Atlantic is spreading eastwards. There will be bright intervals and occasional showers generally, but in the North the showers will be heavier and more frequent and in the form of snow later in Scotland. Temperatures will be about average in the South, becoming cold in the North.

#### FURTHER OUTLOOK.

Northwesterly winds, bright intervals and showers mainly in the North; cold. Warning of Northerly gale in operation in districts 5, 8, 12, 13 (at 17), 18, 19 & 20. Warning of Southerly gale in operation in district 16.

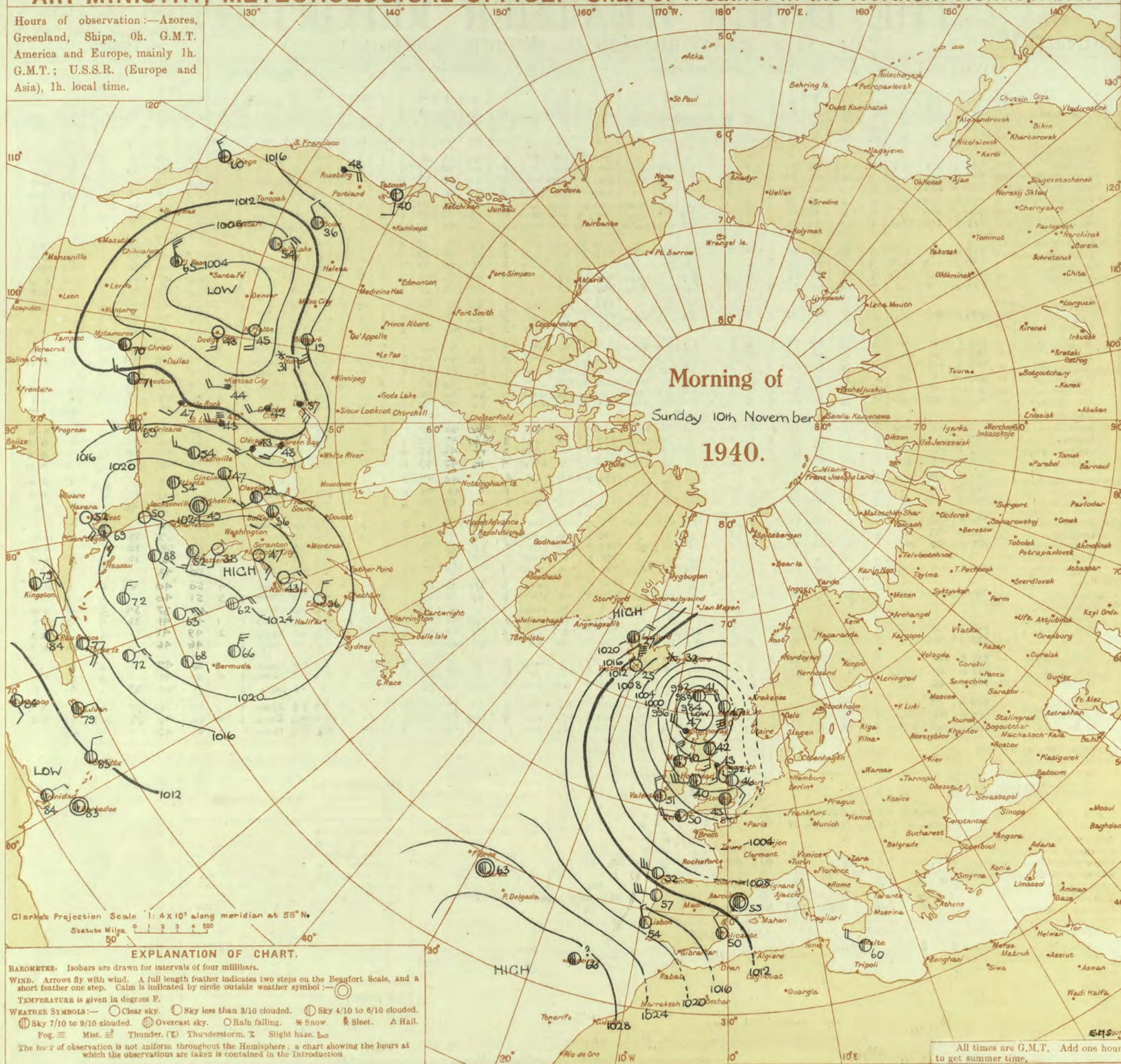
Forecasts issued at 1030 G.M.T.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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



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

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









THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Monday 11th November..... 1940.  
No 28844

OBSERVATIONS at 13h. G.M.T. 10th November														OBSERVATIONS at 18h. G.M.T. 10th November														PAST 24 HOURS.											
Distance.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. m. (9)	Cloud.				Barom. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.				State of Ground. (29)	Sea. (30)	WEATHER.											
				Dirce. (3)	Force. (4)					Low. (10)	Med. (11)	High (12)	Total 0-10 (13)			Dirce. (17)	Force (18)					Low (23)	Med. (24)	High (25)	Total 0-10 (26)			Total 0-10 (27)	Height of Base (feet) (28)	7h.—18h. 10h. (37)	13h.—18h. 10h. (38)	18h.—to 11h. (39)	1h.—7h. 11h. (40)						
																																		Form.	Amount.	Height of Base. (feet)	Form.	Amount.	Height of Base (feet)
1	London (Kew)...	333.4	-10	WSW	4	in	47	85	5	2	-	7-8	10	1300	1001.5	+10	WSW	3	bc	44	75	7	5	-	-	2-3	2-3	3000	1	*	bc	lg	rm	cig	bc	bc	max		
	Croydon ...	333.2	-13	SW	3	bc	47	85	5	2	-	7-8	10	1000	1000.3	+20	WNW	1	bc	43	75	6	4	-	-	2-3	2-3	3000	1	*	bc	lg	rm	cig	bc	bc	max		
	S. Farnborough	1000.1	-10	SW	4	bc	47	82	8	3	-	4-6	10	1500	1002.0	+20	WSW	3	bc	41	82	8	5	-	-	2-3	2-3	3500	1	*	bc	lg	rm	cig	bc	bc	max		
	Boscombe Down	1000.4	-5	WS	5	bc	47	75	8	3	-	4-6	4-6	3000	1002.2	+13	W	3	bc	39	83	8	4	-	-	2-3	2-3	4000	1	*	bc	lg	rm	cig	bc	bc	max		
	Calshot (Soton.)	1001.3	-2	WNW	4	c/pr	49	75	8	3	-	3+	3+	4000	1002.6	+14	W/N	3	bc	42	85	7	5	-	-	2-3	2-3	3500	1	*	bc	lg	rm	cig	bc	bc	max		
	Lympne	1001.6	-14	SW	2	pr	49	82	8	3	-	3+	3+	1200	1002.0	+12	SW	1	bc	43	85	7	8	-	-	2-3	7-8	2500	1	*	bc	lg	rm	cig	bc	bc	max		
	Manston	333.7	-20	SW	3	c/pr	49	82	7	3	-	4-6	7-8	500	1000.7	+13	W	2	bc	43	85	6	-	-	0	2-3	-	-	-	1	*	bc	lg	rm	cig	bc	bc	max	
2	Shoeburyness ...	1000.0	-18	SSW	3	c	53	75	8	8	-	3+	3+	2500	1001.3	+18	WNW	2	bc	40	85	7	8	-	-	7-8	7-8	4000	1	*	bc	lg	rm	cig	bc	bc	max		
	Felixstowe ...	333.0	-20	SSW	4	c	50	75	7	3	-	2-3	3+	2000	333.5	+10	WS	4	bc	41	85	6	-	-	0	7-8	-	-	-	1	1	bc	lg	rm	cig	bc	bc	max	
	Gorleston ...	337.9	-14	SSW	6	c	51	85	6	5	-	7-8	7-8	2500	338.3	+20	WS	3	bc	41	85	6	2	-	-	2-3	2-3	2500	1	2	bc	lg	rm	cig	bc	bc	max		
	Mildenhall	337.3	-8	SSW	3	pr	44	87	6	2	-	4-6	10	800	338.7	+14	SSW	3	bc	38	82	7	8	-	-	4-6	7-8	2500	1	*	bc	lg	rm	cig	bc	bc	max		
	Cranwell	336.0	+2	W/N	5	c/pr	44	85	7	8	-	3+	3+	1500	337.5	+14	W	5	bc	37	82	6	-	-	0	Tr	-	-	-	1	*	bc	lg	rm	cig	bc	bc	max	
3	Birmingham	338.1	+2	W	3	bc	43	75	7	3	-	2-3	4-6	900	1000.3	+10	WSW	3	bc	38	85	6	4	-	-	1	1	2500	1	*	bc	lg	rm	cig	bc	bc	max		
	Upper Heyford	338.3	+10	W/N	3	c/pr	43	85	8	3	4	3	8	800	1000.7	+10	W/N	3	bc	39	85	9	-	-	0	1	-	-	-	1	*	bc	lg	rm	cig	bc	bc	max	
4	Ross-on-Wye ...	333.3	0	W	4	c	47	65	9	5	6	3	4-6	7-8	2500	1001.6	+12	WS	2	bc	41	75	8	-	-	0	1	2500	1	*	bc	lg	rm	cig	bc	bc	max		
5	Hartland Point	1002.5	+4	WNW	4	c/pr	49	75	8	8	6	-	4-6	7-8	1500	1004.1	+14	WNW	3	bc	48	65	8	8	-	-	4-6	4-6	1500	1	4	bc	lg	rm	cig	bc	bc	max	
	Bristol ...	1000.9	+4	WN	4	c/pr	49	75	8	2	6	-	4-6	7-8	2400	1003.2	+14	W	4	bc	41	75	8	4	-	-	2-3	4-6	2500	1	*	bc	lg	rm	cig	bc	bc	max	
	Portland Bill	1002.0	+6	WNW	4	c	51	82	8	2	6	-	3	3	4000	1003.8	+10	W	4	bc	51	82	8	5	-	-	10	10	2500	1	4	bc	lg	rm	cig	bc	bc	max	
	Plymouth	1004.4	+6	WNW	5	bc	51	65	8	2	6	-	2-3	2-3	2500	1006.0	+14	WNW	5	pr	46	82	7	8	-	-	7-8	7-8	2500	1	4	bc	lg	rm	cig	bc	bc	max	
	The Lizard	1006.4	+16	NW	6	bc	51	65	8	8	6	-	4-6	4-6	2500	1007.2	+4	NW	6	bc	49	75	8	8	-	-	4-6	4-6	2500	1	3	bc	lg	rm	cig	bc	bc	max	
	Scilly (St. Mary's)	1007.2	+12	NW	5	bc	53	65	8	8	6	-	2-3	4-6	1500	1007.2	+10	NW	6	bc	49	65	8	8	-	-	2-3	4-6	1500	1	3	bc	lg	rm	cig	bc	bc	max	
	Guernsey ...																																						
6	Pembroke ...	1002.0	+6	WNW	6	c/pr	48	75	8	8	6	-	4-6	7-8	2500	1002.8	+10	WNW	7	bc	48	65	8	5	7	-	-	2-3	4-6	3500	1	4	bc	lg	rm	cig	bc	bc	max
7	Holyhead	337.5	+6	WNW	7	c/pr	47	85	8	9	-	3+	3+	2500	338.6	+10	W/N	7	bc	47	75	8	2	-	-	3	3	2400	1	5	bc	lg	rm	cig	bc	bc	max		
	Chester (Sealand)	336.7	+10	W	4	pr	42	75	7	8	-	3+	3+	1600	338.1	+10	W	4	bc	44	75	8	2	3	-	-	2-3	2-3	1500	1	*	bc	lg	rm	cig	bc	bc	max	
8	Manchester	1006.1	+18	WN	4	c	43	85	7	8	3	-	7-8	10	1800	337.6	+16	SW	2	bc	37	85	6	8	-	-	4-6	4-6	1200	2	*	bc	lg	rm	cig	bc	bc	max	
10	Spurn Head	333.2	0	SW	4	c/pr	45	82	7	4	5	1	4-6	9	4000	334.7	+2	SW	5	bc	40	85	7	-	-	0	2-3	-	-	1	2	bc	lg	rm	cig	bc	bc	max	
	Catterick	332.7	+10	W/N	2	c	44	65	6	5	6	-	7-8	7-8	4000	333.7	0	W/N	1	bc	40	75	8	4	7	-	-	2-3	7-8	2500	1	*	bc	lg	rm	cig	bc	bc	max
	Tynemouth	331.5	+12	W	4	bc	45	75	6	2	3	-	2-3	4-6	3200	332.2	+4	W	3	bc	41	75	6	2	3	-	-	2-3	2-3	3200	1	2	bc	lg	rm	cig	bc	bc	max
11	St. Abbs Head	338.8	+2	WNW	4	bc	40	65	8	4	4	1	4-6	4-6	2300	338.0	-10	W	5	bc	40	85	8	5	2	-	-	7-8	8	2000	1	2	bc	lg	rm	cig	bc	bc	max
	Leuchars	338.3	+2	WSW	3	bc	44	65	8	3	3	-	1	4-6	3500	336.3	-14	SW	5	bc	40	82	5	6	2	-	-	7-8	10	1800	2	*	bc	lg	rm	cig	bc	bc	max
12	Renfrew (Abbots I.)	331.2	+2	WS	4	pr	46	75	8	3	4	3	3	1500	337.3	-30	WNW	5	c/pr	45	85	8	3	3	-	-	4-6	7-8	1800	1	*	bc	lg	rm	cig	bc	bc	max	
	Eskdalemuir	330.3	+8	NW	6	bc	40	65	8	3	7	-	2-3	4-6	2500	337.3	-24	WS	5	pr	40	82	6	-	2	-	-	10	10	800	1	*	bc	lg	rm	cig	bc	bc	max
	Point of Ayre ...	335.1	+8	NW	6	pr	40	87	8	3	-	3+	3+	1500	334.6	-6	WNW	7	pr	45	85	9	6	2	-	-	4-6	10	1500	1	4	bc	lg	rm	cig	bc	bc	max	
13A	Tiree ...																																						
13B	Stornoway ...	330.4	-32	NW	5	c/pr	45	82	7	8	7	-	7-8	9	1500	338.3	+28	NW	4	pr	45	85	7	3	-	-	3	3	1000	1	2	bc	lg	rm	cig	bc	bc	max	
15	Dalwhinnie	338.1	-10	W	8	bc	39	70	7	2	-	-	4-6	4-6	1500	336.0	-10	SW	2	bc	35	82	7	5	-	-	10	10	1500	1	*	bc	lg	rm	cig	bc	bc	max	
	Aberdeen	336.4	0	WNW	8	bc	44	75	8	7	7	-	Tr	2-3	2500	337.4	+6	SW	2	bc	40	85	7	7	-	-	Tr	Tr	2500	1	2	bc	lg	rm	cig	bc	bc	max	
	Wick ...	334.1	-4	SW	2	bc	44	75	8	1	5	1	4	2500	336.9	+30	W	2	bc	44	85	7	6	5	-	-	2-3	2-3	2500	1	1	bc	lg	rm	cig	bc	bc	max	
16	Lerwick...	334.5	-18	SE	7	pr	45	82	7	6	2	-	4-6	10	800	335.3	+16	SSW	5	bc	40	82	7	3	2	-	-	4-6	10	800	1	*	bc	lg	rm	cig	bc	bc	max
17	Blackod Point...	1004.2	+6	WNW	5	bc	47	75	8	3	5	-	2-3	4-6	1500	1005.3	+8	NW	4	pr	47	65	7	3	-	-	3	3	1600	1	3	bc	lg	rm	cig	bc	bc	max	
18	Malin Head ...	335.4	+2	WNW	7	c/pr	46	75	7	3	-	-	3	3	800	336.0	+10	NW	7	bc	46	75	8	9	-	-	7-8	7-8	800	1	5	bc	lg	rm	cig	bc	bc	max	
	Aldergrove ...	337.2	+6	WNW	3	pr	44	65	8	3	-	-	3	3	1600	337.6	+6	WNW	5	bc	43	75	8	9	-	-	7-8	7-8	1200	2	*	bc	lg	rm	cig	bc	bc	max	
19	Birr Castle	1003.3	+4	N	3	c	47	65	8	3	-	-	7-8	7-8	1500	1004.6	+14	NNW	2	c/pr	42	85	8	8	-	-	3	3	1500	1	*	bc	lg	rm	cig	bc	bc	max	
20	Valentia Obsy. †	1003.0	+6	N	6	c/pr	50	75	8	3	-	-	7-8	7-8	2500	1005.5	+10	NNW	5	bc	49	85	8	8	-	-	3	3	2500	1	4	bc	lg	rm	cig	bc	bc	max	
	Roche's Point ...	1006.0	+8	WNW	5	bc																																	

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.  
p, precipitation within sight of station.  
ks, storm of drifting snow.  
k/s, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s<sub>g</sub>/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<sub>o</sub>, slight rain.  
rr, continuous rain.  
<, less than (for cloud height). ☉galé.  
☉ 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: —be/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 13, 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:      Altopcumulus,-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.        |  |

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 Ca not increasing and not covering whole sky.
  - 9 Ce predominating, and a little cirrus.
- (Ce may occur with any of the types 1 to 8).

atus,-Cs:	Altocumulus,-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.



Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. On November 11th. G.M.T.							01h. G.M.T. 11th November							07h. G.M.T.					
III	C <sub>1</sub>	ww	VN <sub>h</sub>	DDFWN	C <sub>2</sub>	C <sub>3</sub>	ww	VN <sub>h</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	ww	VN <sub>h</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	ww	VN <sub>h</sub>	DDFWN
109					80		01752	21115		57	02774	21425	3-	02856	26266				
115	52	0844	20387		52		02944	32225		52	62735	61668	52	81844	28585				
203					8-		01854	37864											
206	77	01864	23424		5-		00863	00013		8-	25877	24287	53	02865	00085				
210	24	00052	53513							52	54747	20258	5-	02855	20325				
220					32		22635	27768											
230	3-	25748	57788		90		25844	59784		93	25745	63586	86	02843	24135				
245	87	01952	23464		5-		01755	00015		70	00951	25211	50	01864	26264				
260	53	01863	22264		3-		81747	20587		80	01864	00014	50	00762	22312				
277	3-	27847	20587		62		64746	57788		87	01844	62684	57	22853	22486				
279										--	05664	26515							
285													23	02744	32487				
288	87	02855	23267		47		02863	20215		86	25755	27486	83	02856	23217				
273													11	01853	14413				
301	3-	81637	28587		2-		25744	27585		8-	81648	61588	83	03655	23385				
321	83	25655	25487		27		05652	57313		57	62655	24468	07	05650	23313				
299	52	05545	18328		50		00742	22262		5-	05636	22426							
292	87	25856	26387		06		01890	22414		8-	81847	24287	86	02855	22386				
310													--	63428	16468				
316	3-	25645	24448		53		05562	22283		8-	02655	57567	96	82644	23388				
333	83	25755	27087		2-		02856	28628		26	01754	26614	27	02853	26217				
334													--	02554	16225				
340	8-	10845	24488		8-		25746	24386		5-	02866	21316	50	01862	22315				
356	57	62653	20368		46		00752	24413		5-	61767	20627	53	02765	20667				
336													--	02754	24427				
350	87	22644	18464										07	01790	18313				
368																			
379	30	09745	24480		40		01753	24313		00	00690	24300							
390	3-	82427	22487										05	05820	20315				
382	8-	05645	22425		30		25653	20283		04	00790	22401	57	02763	23320				
438	80	27746	24586										51	01754	24514				
430	8-	81746	22487		83		25763	24385		00	00790	26200	57	05662	28210				
409	37	81746	26587		86		81746	28587		26	25844	08247	5-	22757	21647				

III

ww, W

h, N<sub>h</sub>

N<sub>h</sub>

C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>

DD

= Index Number of Station—See M.O. 252 or list issued on 1st of each month.

= Present and past weather—See M.O. 252.

= Height and amount of low cloud—See M.O. 252.

= Total amount of cloud—See M.O. 252.

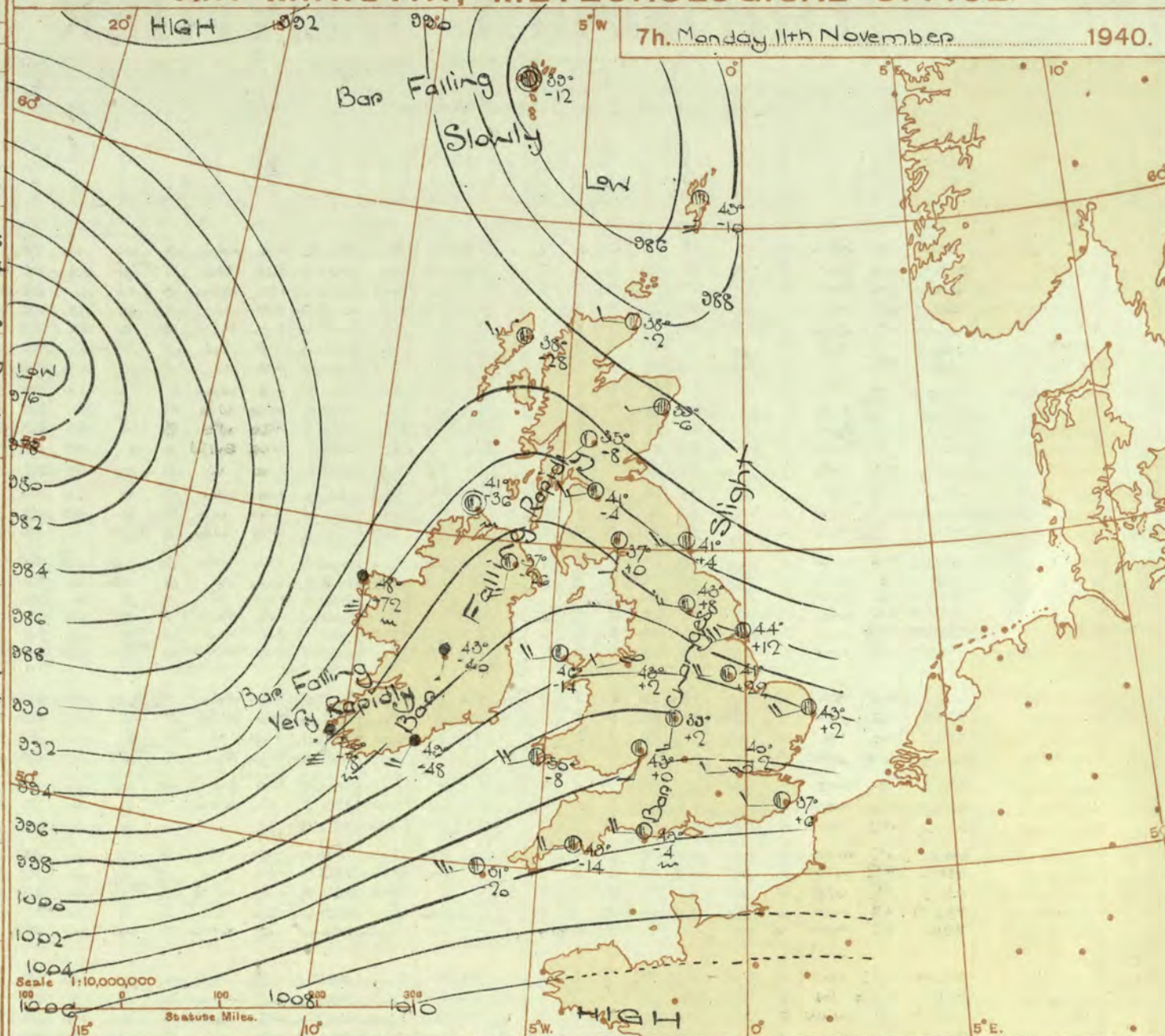
= Form of low and medium cloud—See page 1.

= Visibility. F = Force of wind—See page 4.

= Direction of wind (3 = E, 16 = S, 24 = W, 32 = N).

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (3 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th November 1940
1 S.E. England	Freshening southwest wind, becoming strong to gale; cloudy; continuous rain spreading quickly east afternoon and evening; occasional rain tomorrow; milder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind south to southwest, reaching gale at times on coast, veering west tomorrow; considerable rain; showery tomorrow with local hail and thunder but some 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	Wind backing south and freshening, strong later, probably a gale locally, veering southwest tomorrow; cloudy, rain spreading northeast this evening; showers tomorrow; milder.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	Wind backing southeast becoming strong tomorrow; showery today with bright intervals; rainy tomorrow; average temperature.
16 Orkneys and Shetlands	
17 N.W. Ireland	As 5-8.
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 Ireland is moving eastward. Wind will become strong in most districts and reach gale force on many parts of the coast especially the Southwest. Rain will spread quickly eastward followed later by showery conditions. There are indications of a secondary about 600 miles west-southwest of Valentia which will prolong the rain and gale in the South.

### FURTHER OUTLOOK.

Strong southwest to west wind, veering northwest in the West; showery weather but some bright intervals.  
 ▼ Gale Warning issued at 0545 11/11/40 in districts 6,7,8,12,17, 18,19,20 and part of district 5, and at 0900 in remainder of 5 and part of district 1.

Forecasts issued at 10.30h.

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

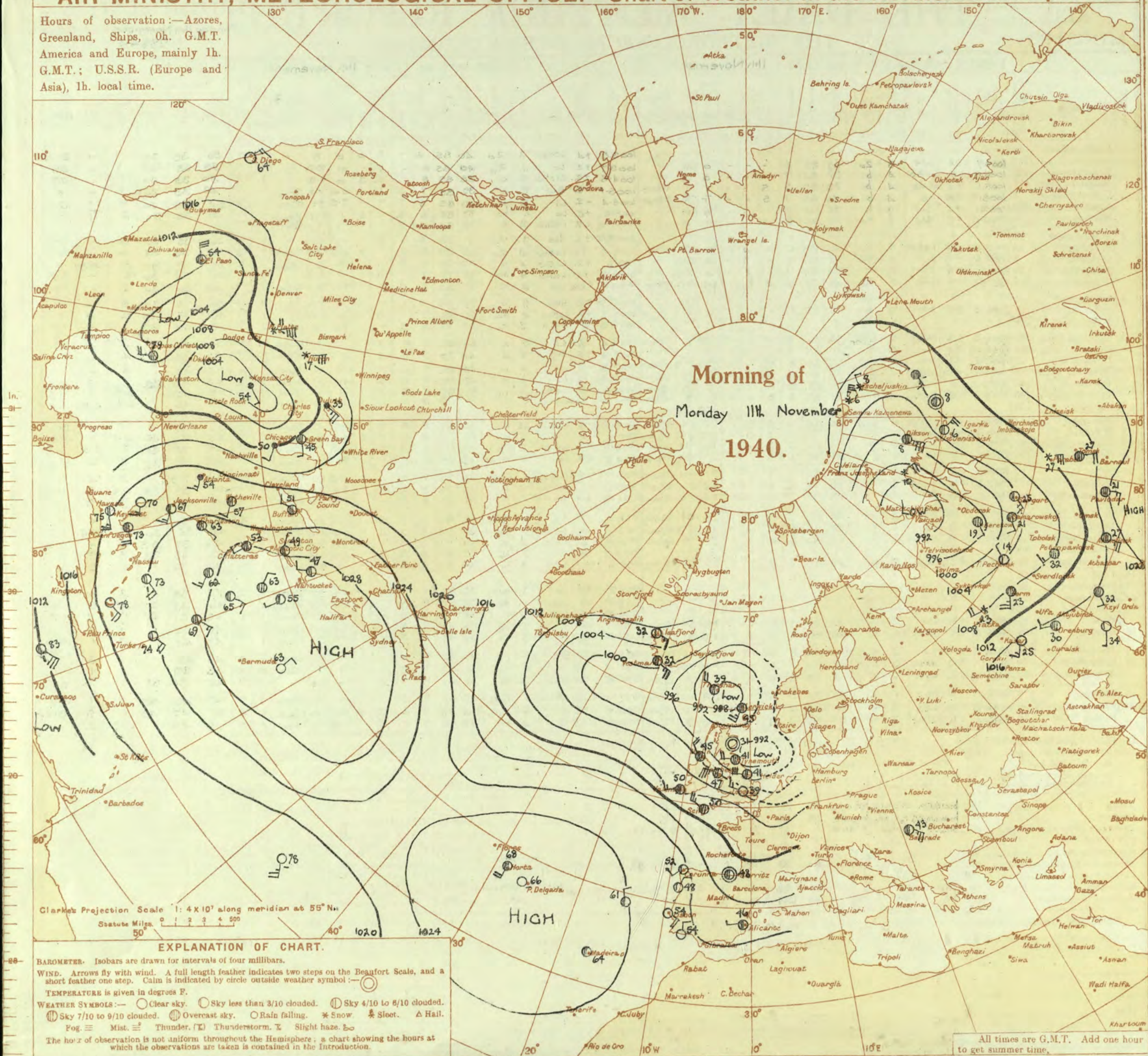
H.M.S.O. Press, Cornwall House, S.E.1.

359/3585 814045 0.3708 5000 14.94W 11/40



# 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. 11th November														OBSERVATIONS at 7 hr. G.M.T. 11th November														PAST 24 HOURS.													
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Barom. 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)	TEMPERATURE.			RAINFALL.		SUN-SHINE Day 7h-18h °F. (31)	Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	Kth. 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)	Low. (23)	Med. (24)			High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)							Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)
1	London (Kew) ... 217	1003.7	+4	W/N	3	20	39	85	6	-	-	-	1003.8	+1	WSW	3	20	40	85	6	-	S	6	0	0	-	1	*	50	39	29	1	-	3.2							
	Croydon ... 226	1004.9	+6	WSW	4	20	37	85	7	-	-	-	1005.7	+2	W	2	20	40	85	6	-	7	-	0	2.3	-	1	*	53	38	35	1	-	2.8							
	S. Farnborough ... 417	1005.1	+6	WS	4	20	38	85	7	S	-	-	1004.8	+2	WSW	3	c	38	85	8	-	4	5	0	7.8	-	1	*	50	35	30	1	-	2.7							
	Boscombe Down ... 8	1005.7	+8	W	4	20	40	85	7	S	-	-	1005.1	-2	SW	3	c	39	85	7	S	1	-	4.6	7.8	3000	1	*	48	35	26	1	-	*							
	Calshot (Stmntn.) ... 346	1005.1	+6	SW	3	20	36	92	7	-	-	-	1005.4	-2	W	3	c	43	85	8	7	7	-	7.8	9	5700	1	2	54	39	36	*	-	3.4							
	Lympe ... 154	1003.2	-2	SW	2	20	37	92	6	-	-	-	1005.6	+6	W	2	b	37	85	8	2	-	6	1	4.6	2500	1	*	51	35	30	2	Tr	1.0							
	Manston ... 11	1002.0	+2	WSW	2	20	40	92	6	-	-	-	1003.7	+2	SW	3	20	41	75	6	-	5	-	0	2.3	-	1	*	54	35	31	3	-	2.6							
2	Shoeburyness ... 15	1002.0	+2	WSW	2	20	40	92	6	-	-	-	1002.0	+2	WSW	4	20	39	85	6	5	-	2	4.6	7.8	7200	1	3	51	38	34	4	-	3.3							
	Felixstowe ... 5	1002.2	-2	SW	4	20	39	85	7	-	-	-	999.5	+2	WSW	4	c	43	75	6	5	-	0	0	2500	1	2	51	37	32	5	-	*								
	Gorleston ... 19	1000.1	-2	SW	5	20	39	85	7	-	-	-	1000.5	+10	WSW	5	bc	39	75	7	-	3	1	0	2.3	-	1	*	51	36	30	12	-	3.7							
	Mildenhall ... 240	997.6	-6	WS	6	20	40	75	6	5	7	-	4.6	7.8	3500	1000.1	+22	W	4	41	85	7	5	7	-	7.8	9	2000	1	*	46	36	34	2	-	1.8					
3	Birmingham ... 408	1002.6	+4	SWW	3	20	36	85	7	-	-	-	1002.0	+2	SSW	3	c	39	85	7	-	-	6	0	7.8	-	1	*	46	36	33	5	-	1.1							
	Upper Heyford ... 223	1002.8	+2	WSW	4	20	43	75	8	-	-	-	1002.7	+2	WSW	4	bc	39	85	7	-	5	-	0	4.6	-	1	*	46	35	29	4	-	*							
4	Ross-on-Wys ... 223	1002.8	0	WSW	2	20	43	75	8	-	-	-	1002.8	0	WSW	2	c	43	75	8	5	7	1	7.8	9	2500	1	*	49	39	35	1	-	1.7							
5	Hartland Point ... 209	1006.2	+8	NW	5	c/pr	45	92	8	8	6	-	7.8	9	2000	1003.4	-20	W	5	50	85	8	8	2	-	7.8	9	2000	1	4	50	43	41	2	1	2.9					
	Bristol ... 209	1005.0	+4	W	3	b	41	85	7	-	3	-	0	1	-	1004.3	-6	WSW	2	43	75	7	5	7	-	4.6	9	3500	1	*	50	38	*	4	-	2.7					
	Portland Bill ... 32	1006.2	+10	NW	4	c	48	85	8	5	-	-	7.8	7.8	4000	1005.8	-4	W	4	49	92	8	5	-	-	10	10	2500	1	4	52	49	*	2	-	*					
	Plymouth ... 82	1008.1	+10	WNW	4	pr	45	85	6	3	-	-	9	9	1200	1005.9	-14	W	4	49	92	6	5	2	-	4.6	9	2000	1	2	53	43	38	1	2	4.4					
	The Lizard ... 240	1009.2	0	NW	6	c	49	75	8	8	2	-	9	10	1500	1006.5	-16	WS	5	51	85	8	8	2	-	9	10	1500	0	3	52	45	*	0.5	1	4.8					
	Scilly (St. Mary's) ... 163	1000.0	-2	NW	5	c/pr	50	85	8	8	6	-	9	9	1300	1005.0	-20	WSW	5	51	75	8	5	2	2	9	10	1200	1	3	53	48	*	0.2	0.2	4.5					
	Guernsey ... 175	1005.4	+2	NW	6	b/c	48	55	8	8	2	-	2.3	4.6	2500	1002.2	-8	WSW	4	50	75	8	8	2	-	7.8	10	2500	1	2	50	47	*	Tr	-	3.3					
6	Pembroke ... 26	1000.6	+6	W/N	7	bc	47	75	8	2	3	-	2.3	4.6	2500	999.2	-4	WSW	4	46	75	8	5	7	-	4.6	9	2200	1	3	50	45	42	0.1	-	2.5					
7	Holyhead ... 16	998.9	+8	WS	5	pr	46	65	7	8	-	-	9	9	2000	999.5	+2	WSW	2	43	75	6	5	7	-	2.3	9	2500	1	*	47	37	31	7	0.2	1.3					
8	Chester (Sealand) ... 70	997.3	+2	W	6	c/pr	45	75	6	8	-	-	9	9	1000	998.5	+2	W	4	43	85	6	8	-	-	9	9	1200	2	*	46	36	32	8	4	0.5					
10	Spurn Head ... 29	993.0	-16	SW	6	c	41	85	7	5	-	-	9	9	2500	995.7	+12	WSW	6	44	92	7	5	-	-	4.6	9	4000	1	3	46	39	*	2	4	1.4					
	Catterick ... 175	992.8	+14	NW	3	b/c	45	75	8	8	-	-	4.6	4.6	2200	995.8	+8	WNW	3	43	75	8	8	6	-	4.6	7.8	2500	1	*	46	39	35	0.6	2	1.9					
	Tynemouth ... 108	991.1	+20	W	4	c	41	85	7	8	-	-	7.8	7.8	2000	994.3	+4	W	3	41	85	6	8	-	-	7.8	7.8	2800	1	2	46	38	35	3	3	*					
11	St. Abbs Head ... 280	991.7	+28	N	3	c/pr	42	92	7	5	2	-	7.8	9	2000	992.0	-6	W	4	42	85	8	5	5	-	7.8	10	2000	1	2	44	37	*	1	4	*					
	Leuchars ... 36	992.8	+28	W	2	bc	37	85	8	8	4	-	1	2.3	3500	992.0	0	W	1	39	92	8	5	4	-	4.6	4.6	3500	1	*	46	34	30	3	0.6	2.6					
12	Renfrew (Abbots I.) ... 19	993.7	+18	NW	5	c	45	85	8	8	-	-	9	9	2000	994.0	-4	WS	3	41	75	8	5	-	6	Tr	7.8	3500	1	*	46	37	32	3	-	2.2					
	Eskdalemuir ... 794	993.7	0	W	5	c	45	85	8	8	-	-	9	9	2000	994.0	-4	WS	3	41	75	8	5	-	6	Tr	7.8	3500	1	*	46	37	32	3	-	2.2					
	Point of Ayre ... 30	996.1	+20	NW	7	pr	47	85	7	9	-	-	9	9	1500	996.4	-10	SE	2	37	85	8	5	7	-	4.6	7.8	2500	1	*	43	35	33	3	5	3.1					
	Point of Ayre ... 30	996.1	+20	NW	7	pr	47	85	7	9	-	-	9	9	1500	996.4	-10	SE	2	37	85	8	5	7	-	4.6	7.8	2500	1	*	43	35	33	3	5	3.1					
13a	Tiree ... 22	991.7	+28	N	3	c/pr	42	92	7	5	2	-	7.8	9	2000	992.0	-6	W	4	42	85	8	5	5	-	7.8	10	2000	1	2	44	37	*	1	4	*					
13b	Stornoway ... 80	992.8	+28	W	2	b	37	85	8	8	4	-	1	2.3	3500	992.0	0	W	1	39	92	8	5	4	-	4.6	4.6	3500	1	*	46	34	30	3	0.6	2.6					
15	Dalwhinnie ... 1176	993.7	+18	NW	5	c	45	85	8	8	-	-	9	9	2000	994.0	-4	WS	3	41	75	8	5	-	6	Tr	7.8	3500	1	*	46	37	32	3	-	2.2					
	Aberdeen ... 79	993.7	+18	NW	5	c	45	8																																	



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Tuesday 12th November 1940.  
 No. 28,845.

OBSERVATIONS at 13h. G.M.T. 11th November.														OBSERVATIONS at 18h. G.M.T. 11th 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.			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. 11th.... (37)	13h.—18h. 11th.... (38)	18h.—11th 12th.... (39)	1h.—7h. 12th.... (40)
1	London (Kew)...	998.5	-4.2	SSW	4	ir	46	92	6	5	-	-	10	10	1500	984.7	-8.6	SSW	5	rr	51	97	5	6	2	-	7-8	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Croydon ...	1000.1	-4.6	SSW	1	ir	46	92	5	5	-	-	10	10	2000	985.5	-8.6	S	5	rr	52	97	6	6	2	-	9	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	S. Farnborough	998.4	-4.6	S	3	ir	47	97	6	5	2	-	4-6	10	1000	985.8	-8.0	SSW	6	rr	53	92	6	6	2	-	9	10	200	2	*	cm, cr, m, r	cr, rr, m, r	rr, rr, cr, cr	cm, cr, m, r
	Boscombe Down																																		
	Calshot (Soton.)	999.1	-4.6	SWW	6	ir	51	92	6	5	2	-	4-6	10	900	986.2	-8.4	SW	8	RR	54	97	5	6	2	-	9	10	300	1	*	cm, cr, m, r	cr, rr, m, r	rr, rr, cr, cr	cm, cr, m, r
	Lymington	1002.6	-3.0	W	2	ir	49	85	7	5	-	-	10	10	3500	991.6	-7.4	SW	6	rr	50	97	6	6	2	-	9	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Manston	1000.3	-3.8	SW	3	ir	48	85	6	5	7	-	7-8	10	2500	987.9	-8.0	SW	8	rr	49	97	5	6	2	-	9	10	400	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
2	Shoeburyness ...	1000.9	-3.0	SSW	3	c	47	65	8	5	-	-	10	10	4000	1007.9	-8.8	S	5	rr	51	92	6	6	2	-	10	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Felixstowe ...	999.6	-2.4	SW	5	N	47	75	6	-	7	-	0	10	-	986.9	-8.4	SW	7	ir	49	92	6	6	2	-	9	10	1000	1	3	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Gorleston ...	999.3	-1.4	SW	4	c	45	85	6	-	1	-	0	9	-	986.4	-7.0	SSW	7	ir	47	92	6	6	2	-	10	10	1500	1	3	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Mildenhall ...	997.4	-3.0	SSW	2	c	45	75	7	5	7	-	2-3	10	6000	982.9	*	SW	5	rr	50	*	6	6	2	-	7-8	10	500	1	*	cm, cr, m, r	cr, rr, m, r	rr, rr, cr, cr	cm, cr, m, r
	Cranwell ...	995.5	-3.8	SSW	4	ir	43	85	6	-	2	-	10	10	2500	978.0	-11.4	SSW	6	RR	49	97	5	6	2	-	10	10	800	2	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
3	Birmingham	995.4	-4.6	SSW	4	rr	42	97	6	6	-	-	10	10	800	978.8	-8.0	SSW	4	rr	50	97	6	6	2	-	10	10	450	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Upper Heyford	996.5	-5.0	S	4	rr	45	97	6	6	2	-	7-8	10	600	981.0	-7.4	S	6	rr	52	97	5	6	2	-	7-8	10	600	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
4	Ross-on-Wye ...	992.5	-6.8	S	4	ir	47	92	6	6	2	-	10	10	1500	979.0	-7.4	SW	6	rr	55	92	7	6	2	-	10	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
5	Hartland Point	990.5	-8.2	SW	6	ir	51	97	6	6	2	-	7-8	10	800	981.2	-3.0	SW	8	rr	55	97	6	6	2	-	10	10	600	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Bristol ...	995.4	-6.6	SW	4	ir	48	92	7	6	2	-	4-6	10	700	982.0	-6.0	SSW	6	rr	53	97	5	6	2	-	10	10	400	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Portland Bill	998.2	-5.2	SW	5	S	53	92	7	5	-	-	10	10	2500	985.8	-4.0	SW	7	RR	55	92	7	5	2	-	10	10	1500	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Plymouth	996.6	-6.2	SW	6	ir	52	97	6	6	2	-	9	10	700	986.5	-5.4	SWW	9	rr	55	97	5	6	2	-	10	10	300	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	The Lizard	998.1	-6.0	SW	8	ir	52	97	6	5	-	-	10	10	1500	986.6	-2.0	SWW	8	dd	56	97	4	5	2	-	10	10	600	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Scilly (St. Mary's)	994.0	-7.4	SW	7	ir	53	97	5	6	-	-	10	10	800	986.1	-3.0	SWW	7	rr	56	97	5	5	2	-	10	10	300	1	4	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Guernsey																																		
6	Pembroke ...	986.1	-9.2	SW	8	rr	52	97	6	8	-	-	10	10	800	978.3	-2.4	WSW	8	ir	56	97	6	8	2	-	10	10	800	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
7	Holyhead ...	984.3	-10.4	SE	6	RR	49	97	5	6	2	-	7-8	10	600	973.1	-2.6	SWW	5	ir	55	97	6	5	2	-	9	10	800	1	4	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Chester (Sealand)	989.9	-7.2	SE	3	ir	44	92	6	6	2	-	9	10	800	974.0	-7.0	WSW	3	ir	55	92	6	5	2	-	4-6	10	2500	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
8	Manchester ...	990.7	-6.6	SE	4	ir	43	97	5	2	-	-	10	10	2200	974.0	-8.6	SW	4	rr	50	97	5	6	2	-	7-8	10	400	2	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
10	Spurn Head	992.8	-1.6	S	4	ir	45	85	6	5	3	-	9	10	4000	975.9	-1.0	SE	7	RR	47	92	6	6	2	-	10	10	450	1	4	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Catterick	990.7	-4.6	SSW	3	N	43	75	5	2	-	-	10	10	1500	973.3	-11.4	SW	3	rr	43	97	4	6	2	-	9	10	400	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Tynemouth	990.8	-3.6	SW	2	ir	43	85	6	-	2	-	10	10	1800	973.7	-8.4	S	6	rr	44	97	6	6	2	-	10	10	1500	1	3	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
11	St. Abbs Head	988.0	-3.4	SW	3	ir	41	85	8	8	2	-	4-6	10	2500	971.4	-7.2	SE	8	ir	41	97	7	6	2	-	4-6	10	1500	1	4	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Leuchars	986.1	-2.6	SSW	2	N	41	85	6	8	7	-	7-8	10	2500	971.7	-9.6	SE	6	rr	40	97	6	6	2	-	10	10	900	2	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
12	Renfrew (Abbots L.)	984.4	-6.8	SW	3	ir	41	85	6	5	-	-	10	10	1100	968.8	-8.4	ENE	3	ir	38	97	4	6	2	-	10	10	800	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Eskdalemuir	986.7	-5.4	SW	3	ir	38	85	6	-	2	-	10	10	1500	969.8	*	SE	2	rr	41	97	5	6	2	-	10	10	220	1	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Point of Ayre	983.0	-1.0	S	6	ir	46	97	7	6	2	-	4-6	10	1500	968.9	-5.4	WS	6	c	53	97	7	9	2	-	9	9	1500	1	4	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
13A	Tiree ...	975.2	-8.6	SE	6	RR	42	92	6	2	-	-	10	10	800	962.4	-4.0	WSW	5	ir	50	92	6	5	2	-	9	9	1500	1	5	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
13B	Stornoway	981.2	-5.6	SE	4	c	42	75	8	5	7	-	7-8	10	1800	976.0	-4.0	ENE	6	ir	40	92	7	5	2	-	9	10	1000	1	3	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
15	Dalwhinnie	*	-5.0	SE	3	c	35	85	8	5	1	-	4-6	10	1500	*	-8.4	SE	5	ss	33	92	5	5	2	-	10	10	1500	4	*	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Aberdeen	985.6	-3.8	S	3	c	43	75	6	7	7	-	7	10	2500	974.5	-7.0	SE	4	ir	41	92	6	6	2	-	7-8	10	1500	1	2	cm, cr, m, r	cr, rr	rr, rr, cr, cr	cm, cr, m, r
	Wick	984.7	-2.6	SW	3	c	41	85	8	5	7	-	4-6	10	1500	974.7	-3.8	SE	5	pr	42	75	7	5	2	-</									



Abridged observations of additional stations in the

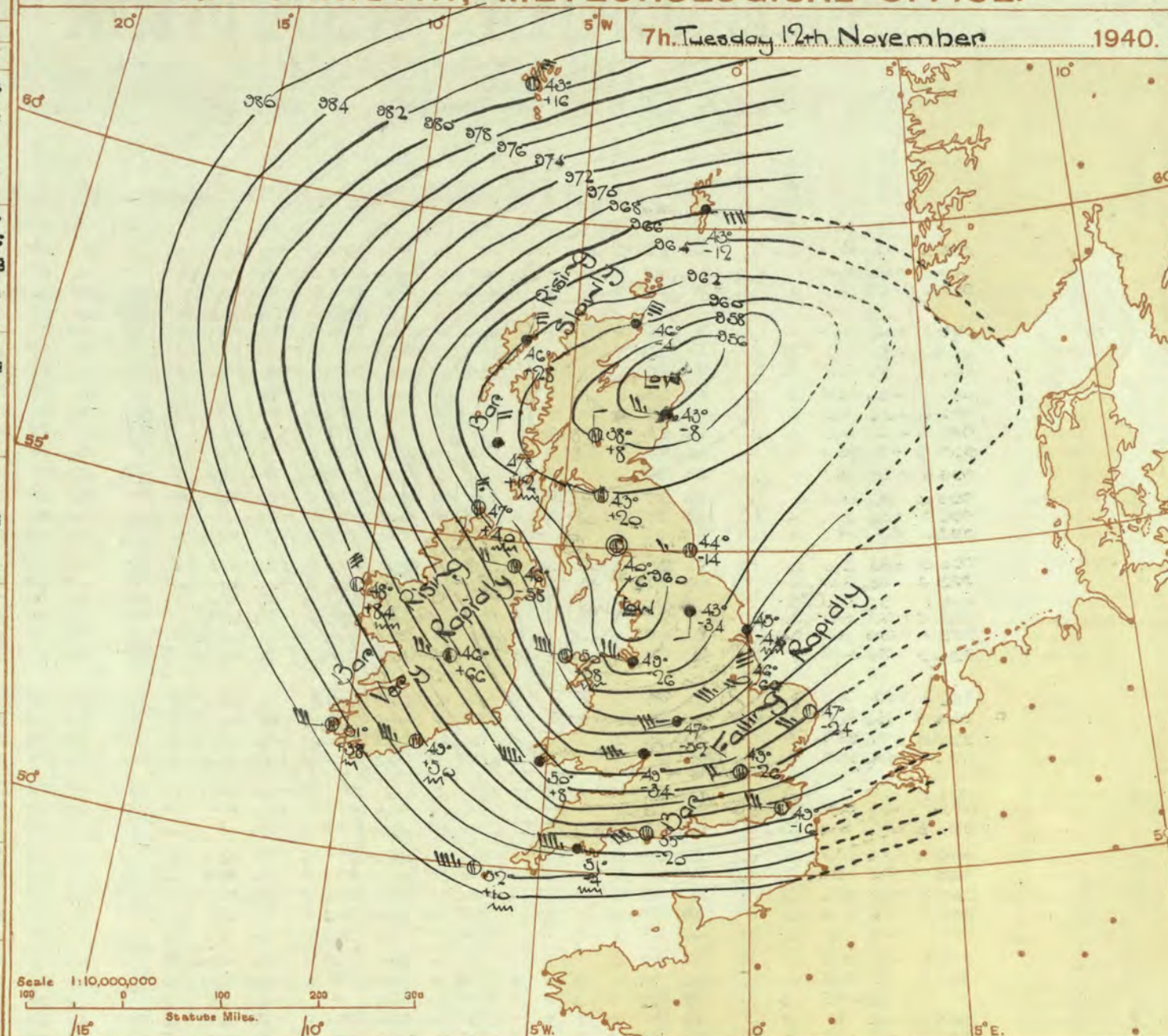
# AVIATION WEATHER CODE

13h. G.M.T. 11th November 18h. G.M.T.						01h. G.M.T. 12th November 7h. G.M.T.						
III <sub>L</sub> C <sub>1</sub>	wwVhN <sub>1</sub>	DDFWN <sub>1</sub>	C <sub>2</sub> C <sub>3</sub>	wwVhN <sub>2</sub>	DDFWN <sub>2</sub>	C <sub>1</sub> C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN <sub>3</sub>	C <sub>1</sub> C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN <sub>3</sub>	
10981	01854	22315	82	81745	12328	62	64645	44668	62	64545	35868	
11552	81344	18487	52	81735	12688	52	81734	41787	52	62735	35888	
203							5-	62858	08468			
20652	02862	07127	02	62758	08468	52	62743	04168	52	62745	26168	
21052	02952	12227	02	62648	10468	52	64635	08168				
220									62	64626	27468	
23062	62745	10168	57	52645	10468	5-	64648	00068	8-	25745	00085	
24551	05682	22228	62	64646	48568	6-	05538	22568	5-	22958	55468	
26042	02861	16128	62	62636	12368	52	64644	22368	53	08663	22214	
2762	64636	15568	50	21854	24464	51	61854	20568	8-	02757	28467	
279						--	81645	25686	03	01730	24124	
2856-	62638	20428	--	67103	10469				6-	22638	26368	
28802	81658	17828	62	64635	82668	80	81835	55485	52	02763	15287	
27346	65544	16488							34	65643	28784	
30162	64545	14468	52	22645	20568	80	25744	57684	62	64644	28468	
32102	64548	16428	62	62636	50668	03	05690	26213	9-	62558	23568	
2995-	08446	22316	62	64435	16768	00	00790	23410	52	02744	23518	
29202	61558	18228	62	64427	16468	9-	01734	53584	52	64647	08278	
310--	67209	20468							--	63438	20768	
31662	64443	18368	62	64425	49568	56	01653	55514	52	63545	57668	
33862	64636	17668	52	22626	57768	23	14853	03714	5-	63637	58667	
334--	64558	16268							--	51544	24767	
34052	62545	4568	62	64637	16468	51	01854	20727	8-	81748	53888	
1367	68690	18428	62	64537	47668				57	61755	53768	
336--	62758	28468	--	64434	20668				--	65534	24768	
35062	62648	16528							5-	62628	51668	
368												
379				62	64616	18668	80	05645	22615	6-	61538	22768
39067	08465	19418					52	05634	20565	62	62647	20528
38552	62744	17468	62	64635	20568	8-	01754	55514	62	62626	21668	
43802	64728	57768							90	14737	53827	
43053	62644	20468	62	64527	51668	83	00752	57563	57	61744	57818	
40962	62627	28768					23	01843	86785	5-	61647	56967

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>1</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 G, C<sub>1</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (S = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 12th November 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 12th November
1 S.E. England	West to northwest gale, severe today on the coasts, moderating by tomorrow; mainly cloudy today, bright periods later: a few slight showers. Average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Northwest gale, severe on coasts at first, moderating slowly; variable cloud, squally showers of rain and hail: average temperature, becoming colder.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind westerly, strong to gale locally; cloudy, rather frequent showers at first then local showers, perhaps with hail locally: average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7-9.
13 A. W. Scotland.	
14 B.N.W. Scotland.	Wind northeast, strong to gale at times, backing north to northwest; cloudy, rainy at times at first, rain and hail showers later: rather cold.
15 Mid Scotland	
16 N. E. Scotland	
17 Orkneys and Shetlands	Wind northwest, strong to gale on coasts, veering north, moderating slowly; variable skies, some rain or hail showers; becoming colder.
18 N. W. Ireland	
19 N. E. Ireland	
20 S. E. Ireland	
21 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, unusually deep depression covering the British Isles is expected to become centred over South Norway. Weather will be generally stormy but the severe gales in the West and South will begin to moderate tonight. Squally rain and hail showers will occur in the northwestern half of the country but in the South, rainfall will be confined to a few slight showers.

### FURTHER OUTLOOK.

Rather unsettled and probably rather cold; considerable fair periods in many districts.

Gale warnings issued for all districts 11.11.40.  
 Warning of severe gale in districts, 1, 2, 5, 6, 7, 8, 12, and 17-20, issued at 0500 12.11.40.

Forecasts issued at 1030 G.M.T.

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

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

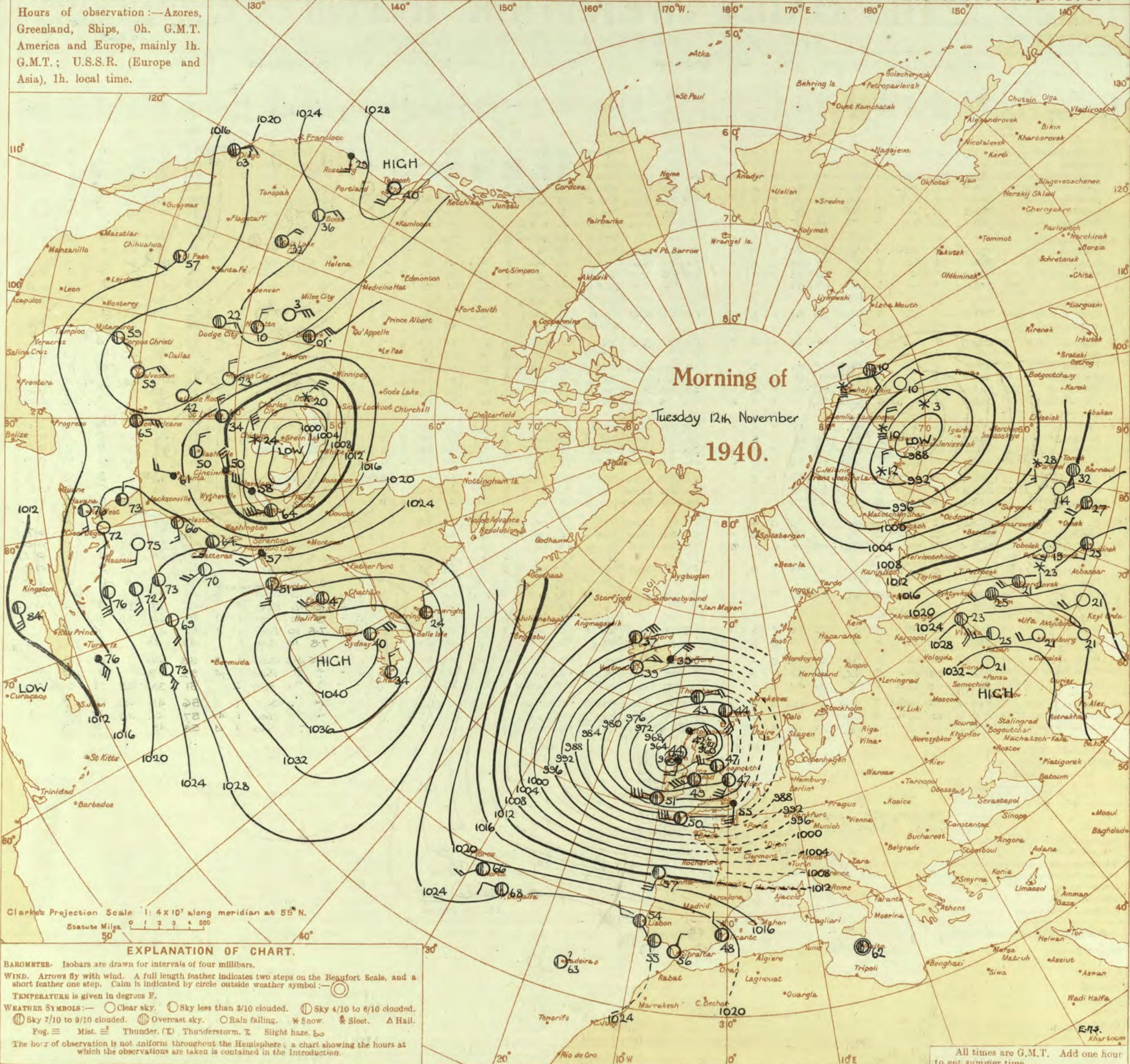
360/3955. 24.6093 0.5705 2000 24.349 11.11.40.



# 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  
Tuesday 12th November  
1940.



Clarke's Projection Scale 1: 4 X 10<sup>7</sup> 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. Δ Hail.

Fog ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. T

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.



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

BRITISH SECTION

Tuesday, 12th November, 1940.  
No 28,245.

OBSERVATIONS at 1 hr. G.M.T. 12th November															OBSERVATIONS at 7 hr. G.M.T. 12th November															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. 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 Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	Dir.	Force.	Form.	Amount.			Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.		Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 13th November, 1940.

No. 28,846.

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 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. M.S.L. mb. (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 (4)					Low. (9)	Med. (10)	High (11)	Low (12)			Total 0-10 (13)	Height of Base (feet) (14)					Form. (23)	Amount (24)	Height of Base (feet) (28)	7h.—13h. 12h.. (37)			13h.—18h. 12h.. (38)	18h. to 1h. 12h. (39)	1h.—7h. 12h.. (40)																																																																																																																																																																																													
																															Low (9)	Med. (10)	High (11)	Low (12)	Total 0-10 (13)	Form. (23)	Amount (24)	Height of Base (feet) (28)																																																																																																																																																																																					
																																							Low (9)	Med. (10)	High (11)	Low (12)	Total 0-10 (13)	Form. (23)	Amount (24)	Height of Base (feet) (28)																																																																																																																																																																													
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (Soton.) ... Lymington ... Manston ...	30.3 30.0 30.0 30.0 30.0 30.0 30.0	+28 +42 +38 +30 +30 +20 +26	W'S W'N W'S W'S W'N S'W S'W	5 4 7 7 7 6 5	c c c c/pr c/pr c c	52 51 51 50 50 51 50	65 75 65 65 65 65 65	8 7 7 8 8 7 7	5 3 7 3 3 2 7	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3 3 3 3	7 3 7 3



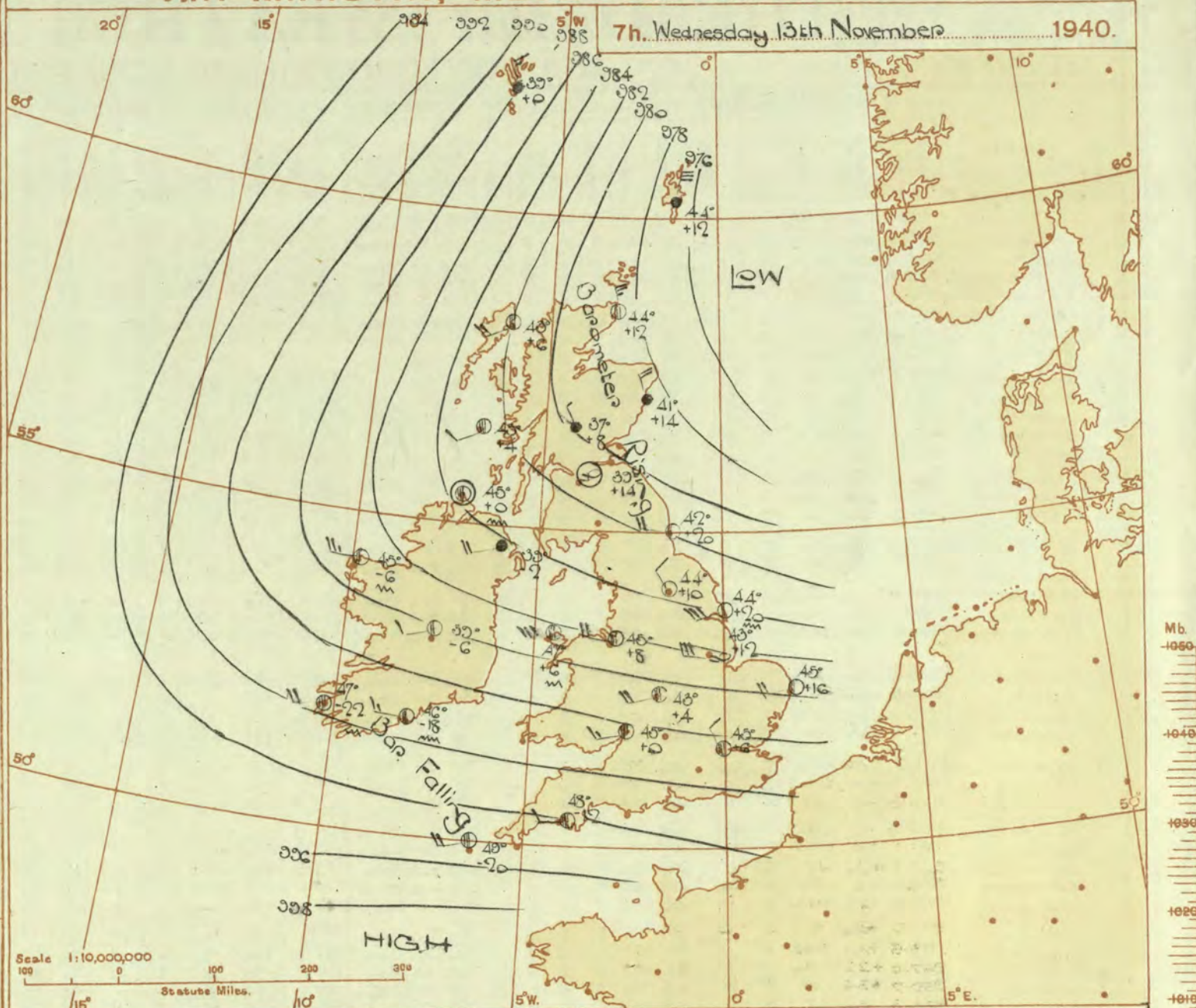
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13th. G.M.T. 12th November				14th. G.M.T. 13th November				16th. G.M.T. 15th November				
III	C <sub>1</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	wwVhN <sub>H</sub>	DDFWN	
109	82	61744	37868	52	02785	02768	51	81555	35668	8-	25744	32584
115	52	62635	37868	87	81734	65787				52	81844	65687
203				5-	24748	25768	8-	02857	32567	8-	81857	32617
206	52	63746	30468	52	62848	31368	52	62845	28268			
210	62	63646	34868	62	64636	65868	61	62745	63568	53	02755	28568
220				73	02754	28415				52	02743	28227
230	57	02855	61428	87	02845	30625	8-	02857	30387	53	02856	28317
245	53	14956	65687				52	61966	28567			
260	20	02853	28315	57	02864	57487	73	01864	26384	53	01764	24215
277	72	62746	28788	36	25844	63685	83	24585	83545	8-	01764	23484
279				--	01754	57414				--	01764	24414
285	6-	61638	24668	6-	02637	24767				20	01745	30515
288	86	81745	23415	87	01852	24424	04	01790	22513	03	00890	21212
273	32	25653	27786							47	67254	24268
301	8-	81748	68788	2-	02746	57786	8-	02755	61625			
321	8-	81647	25627	87	81646	58688	86	01653	57584	16	05654	23384
299	57	02743	26414				50	01752	24402	50	00752	24302
292	5-	02857	57067	86	02854	57525	44	01954	26484	84	00843	22313
310	--	02648	20668	--	65438	20768						
316	5-	25646	54687	9-	81648	57688	8-	81647	59687	84	81644	66585
333	8-	02756	61766	27	14754	60827	23	81755	23717			
334	--	63545	24568				50	01854	59514		01761	22302
340	83	26044	57685							53	02765	21415
136	87	02844	57767	5-	02858	57788	86	25865	24687	53	25742	24585
336	--	02644	44667		02754	28716				53	02873	22517
350	53	25045	555867									
368												
379	27	81746	57786	8-	02756	57526	5-	02856	23426	00	01790	57503
390	5-	22748	24688	55	01753	54414	5-	02755	21415	51	05651	22428
382	74	02844	23626	86	81844	56526	5-	02856	23426	08	02890	21325
438	9-	14737	65827							82	02744	23628
430	57	25744	24783	80	25753	26583	50	00753	57613	57	02751	24428
409	2-	02746	58887	24	02745	58828	26	02744	58688	21	02745	24488

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>h</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th. Wednesday 13th November 1940.



Mb.  
1060  
1040  
1020  
1000  
980  
960  
940  
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-160  
-180  
-200  
-220  
-240  
-260  
-280  
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-360  
-380  
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DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 13th November

1 S.E. England	Wind backing southwest or south becoming variable to northwest later, mainly moderate or light. Fair at first, occasional rain tonight, probably becoming fair tomorrow. Risk of local morning fog; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southwest to variable, finally northwest, fresh at times locally.
6 South Wales ...	Cloudy, occasional rain, bright intervals and showers tomorrow.
7 North Wales ...	Average temperature.
8 N.W. England	Wind west to northwest, moderate or light. Bright intervals, some showers; average temperature.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotland. B.N.W. Scotland.	Fresh or strong northerly wind; cloudy, some showers, rather cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 4-8
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 large depression centred near South Norway is filling up. A trough of low pressure off Northwest Ireland is moving southeast and a depression off Northwest Spain is moving east. The passage of the more northerly disturbance, which may develop a separate centre in the English Channel, will cause rain tonight in the South, but in the North there will only be local showers.

FURTHER OUTLOOK.

Rather unsettled, but some bright intervals.

Forecasts issued at 1030 G.M.T.

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

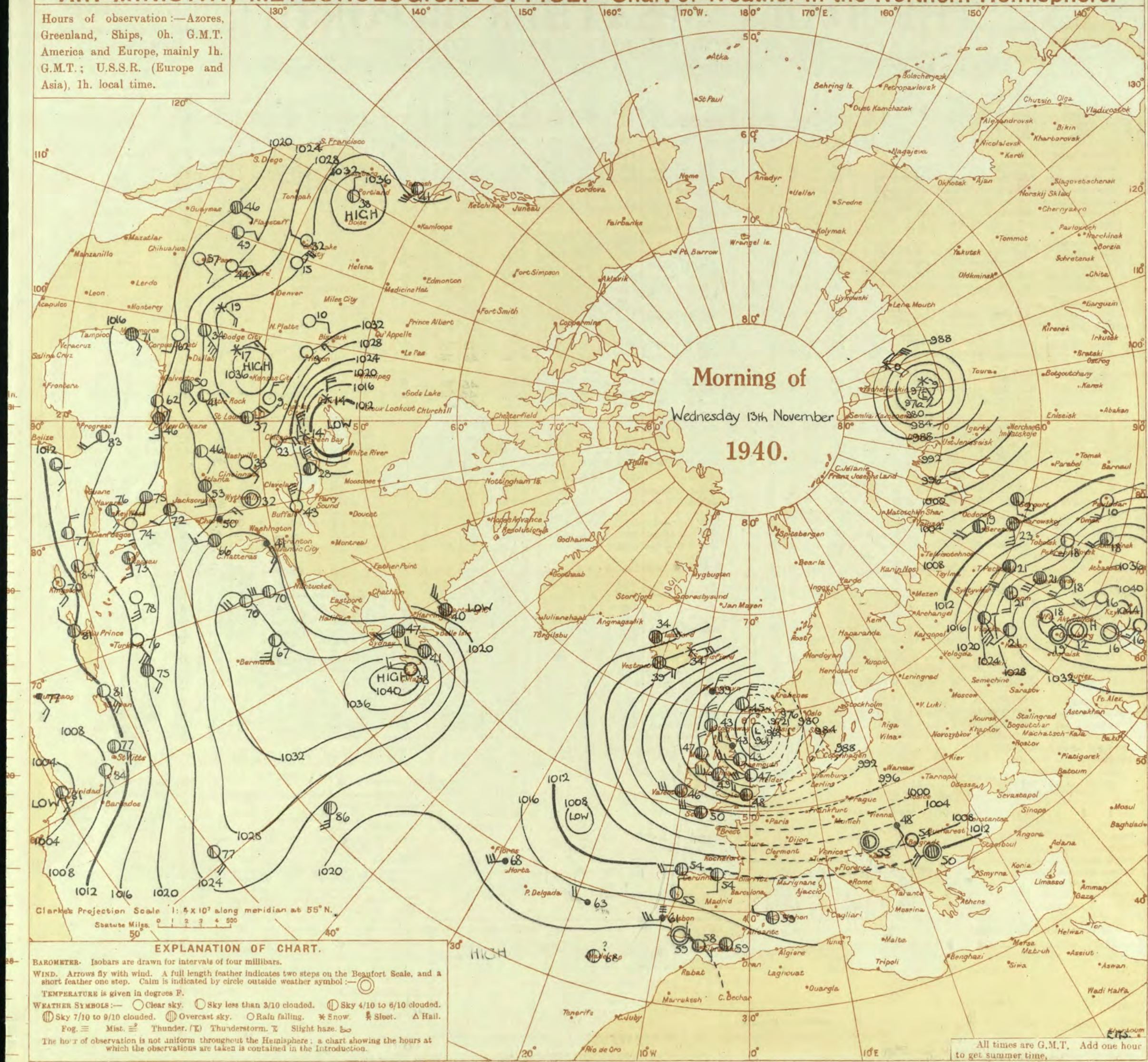
H.M.S.O. Press, Crown Office, S.W.1.

200/3555 4th ed. 1940. 200/3555 4th ed. 1940.



# 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 14th November 1940.  
 No. 28847.

OBSERVATIONS at 13h. G.M.T. 13th November														OBSERVATIONS at 18h. G.M.T. 13th 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.	Temp. °F. (6)	°F. Humid. (7)	Visiblity. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	°F. Humid. (21)	Visiblity. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Direc.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low 0-10 Total 0-10 (25) (26)	Height of Base (feet) (28)	7h.-13h. 13th (37)	13h.-18h. 13th (38)			18h.13h. to 1h. 14th (39)	1h.-7h. 14th (40)						
1	London (Kew)...	991.3	-10	SW	3	Zo	49	75	6	-	1	0	10	982.3	-42	ESE	2	rr	45	85	5	6	2	-	7-8	10	1500	1	*	cmo	oids chr	errrr	rrr	rrr	rrr
	Croydon ...	991.3	-14	WNW	2	c	49	75	6	-	1	7	0	10	985.6	-42	E	3	rr	44	85	5	6	2	-	7-8	10	1200	1	*	czo	oids chr	errrr	rrr	rrr
	S. Farnborough	991.4	-18	SW	3	c	49	75	8	-	2	7	0	10	984.6	-50	NEE	3	RR	43	92	5	5	-	-	10	10	2500	1	*	c	m.d.rrr	RRRS	rrr	rrr
	Boscombe Down	990.8	-22	SW	3	c	47	75	7	-	2	-	0	10	983.5	-50	E'N	4	rr	43	92	5	6	2	-	7-8	10	2400	1	*	bcc	oids chr	errrr	rrr	rrr
	Calshot (Soton.)	991.7	-22	SW	4	c	51	75	7	5	2	-	4.6	10	982.4	-66	E'N	5	rr	46	97	5	5	-	-	10	10	700	1	3	ccir	oids chr	errrr	rrr	rrr
	Lympne ...	993.5	+10	SW	2	c	50	75	8	-	2	-	0	10	987.7	-32	SSW	3	rr	46	97	6	6	2	-	9	10	700	1	3	c	oids chr	errrr	rrr	rrr
	Manston ...	992.2	-8	W	3	c	50	75	8	-	2	6	0	10	986.3	-40	-	0	rr	44	97	4	5	2	-	9	10	1200	1	*	c	oids chr	errrr	rrr	rrr
2	Shoeburyness ...	992.4	-12	SW	3	c	50	75	8	-	2	-	0	10	988.0	-34	SE	2	rr	46	92	6	5	-	-	10	10	2500	1	*	c	corro	R-c.rrr	rrr	rrr
	Felixstowe ...	991.1	+2	WSW	4	Zo	49	65	6	-	1	7	0	10	987.6	-12	SES	3	rr	47	85	6	5	2	-	3	10	5000	1	2	czo	czo.cir	rrr	rrr	rrr
	Gorleston ...	990.7	+10	WSW	4	c	48	75	7	5	7	-	4.6	9	988.2	-16	SW	2	c	45	85	6	5	-	-	10	10	1500	1	2	bcc	czo	rrr	rrr	rrr
	Mildenhall ...	989.9	-2	SW	4	c	48	65	7	-	7	-	0	10	986.5	-30	SES	2	Zo	45	85	6	-	2	-	0	10	-	0	*	c	czo	rrr	rrr	rrr
	Cranwell ...	988.2	-2	W	5	Zo	46	65	6	-	7	7	0	10	986.1	-20	SW	2	Zo	41	85	6	5	-	-	10	10	800	1	*	bccmo	czo	rrr	rrr	rrr
3	Birmingham	989.5	0	WSW	2	c	46	65	8	5	-	7	2.3	10	985.7	-26	-	0	cf	43	75	3	5	2	-	7-8	10	800	1	*	c	c	fc	rrr	rrr
4	Upper Heyford	991.0	-4	SW	3	0	46	85	7	-	2	-	0	10	985.7	-26	SE	2	rr	43	92	6	5	2	-	4.6	10	2500	1	*	bcc	oids chr	errrr	rrr	rrr
	Ross-on-Wye ...	989.7	-12	SW	3	Zo	48	75	6	-	2	-	0	10	985.0	-30	NE	2	rr	45	85	5	6	2	-	7-8	10	1500	1	*	c	oids chr	errrr	rrr	rrr
5	Hartland Point	989.4	-28	SSE	3	rr	45	85	8	5	2	-	4.6	9	982.1	-48	NE	3	rr	44	85	7	-	2	-	10	10	1500	1	3	errr	oids chr	errrr	rrr	rrr
	Bristol ...	990.6	-22	SSW	3	c	47	85	7	4	2	-	7	10	984.3	-26	E	2	rr	42	92	6	-	2	-	10	10	1500	1	*	cprc	oids chr	errrr	rrr	rrr
	Portland Bill ...	990.8	-26	SE	2	rr	46	85	7	-	2	-	10	10	978.8	-68	E'N	4	rr	41	92	5	-	2	-	10	10	1500	1	2	cmcc	oids chr	errrr	rrr	rrr
	The Lizard ...	988.5	-40	E	2	rr	45	97	6	5	-	-	10	10	978.4	-24	NNE	6	rr	41	97	6	5	-	-	10	10	800	1	3	rr	oids chr	errrr	rrr	rrr
	Scilly (St.Mary's)	988.0	-42	E'S	3	rr	45	92	6	8	2	-	7-8	10	981.0	-20	NE'N	5	rr	44	92	7	8	2	-	7-8	10	800	1	4	crr	oids chr	errrr	rrr	rrr
	Guernsey ...	989.2	-12	NW	3	c	47	85	7	8	2	-	7-8	10	984.7	-10	NE	3	c	45	97	7	8	2	-	7-8	9	2500	1	2	prgc	c	rrr	rrr	rrr
6	Pembroke ...	987.0	-10	WSW	4	c	48	75	8	8	-	6	4.6	9	984.4	-22	NW	4	rr	46	85	8	6	2	-	4.6	10	1400	1	2	cbcc	c	rrr	rrr	rrr
7	Holyhead ...	987.3	-6	WS	3	c	49	85	7	2	7	6	2.3	9	985.4	-10	-	0	c	41	85	5	5	2	-	7-8	10	3500	1	*	bcc	cym.c	rrr	rrr	rrr
8	Chester (Sealand)	987.4	-2	SW	4	Zo	46	65	6	2	4	6	1	9	985.6	-8	ESE	1	cf	42	92	3	5	7	-	7-8	9	2500	2	*	cprgc	cym.c	rrr	rrr	rrr
	Manchester ...	987.4	-2	SW	4	Zo	46	65	6	2	4	6	1	9	985.6	-8	ESE	1	cf	42	92	3	5	7	-	7-8	9	2500	2	*	cprgc	cym.c	rrr	rrr	rrr
10	Spurn Head ...	986.8	+12	SW	5	c	46	75	7	5	1	1	4.6	9	985.5	-4	SW	3	c	43	85	7	5	1	-	4.6	9	4000	0	2	c	c	rrr	rrr	rrr
	Catterick ...	985.9	+10	W	3	c	46	65	9	8	7	-	4.6	7.8	985.1	-4	-	0	c	40	85	7	4	7	-	1	9	3500	1	4	bccprc	c	rrr	rrr	rrr
	Tynemouth ...	984.2	+12	W	3	bc	47	75	7	7	-	-	4.6	4.6	984.5	+4	W	3	bc	43	75	6	2	-	-	4.6	4.6	3200	1	2	bc	bccprc	c	rrr	rrr
11	St. Abbs Head	983.2	+24	NW	4	c	45	75	8	5	3	-	4.6	9	984.2	+6	NW	3	bc	43	85	8	4	5	-	2.3	4.6	2500	0	2	bcc	bc	rrr	rrr	rrr
	Leuchars ...	983.3	+16	WNW	3	c	46	75	8	5	3	-	2.3	9	984.4	+10	NW	3	bc	41	85	8	5	3	-	4.6	4.6	3500	1	*	c	bc	rrr	rrr	rrr
12	Renfrew (Aberdeen)	984.5	+10	NW	2	c	48	75	8	8	7	-	7-8	7.8	985.3	+10	W	2	b	37	92	8	5	3	1	7	1	3000	1	*	bcc	cbccprc	rrr	rrr	rrr
	Eskdalemuir ...	984.1	+4	NW	4	pr	41	85	8	5	4	-	7-8	9	985.0	+10	NE'N	2	Zo	36	92	7	5	4	-	7	1	2500	1	*	cpr	pr.bcc	rrr	rrr	rrr
	Point of Ayre ...	985.4	0	WNW	4	c	45	85	8	8	-	-	9	9	984.8	0	-	0	bc	43	85	8	8	-	-	2.3	2.3	1500	1	1	rrc	pr.bcc	rrr	rrr	rrr
13A	Tiree ...	985.6	+8	N'E	5	bc	46	85	8	8	-	-	4.6	4.6	987.1	+8	N'E	4	bc	46	75	8	8	-	-	4.6	4.6	1500	0	4	cpr	bc	rrr	rrr	rrr
13B	Stornoway ...	986.7	+14	NNW	4	c	44	75	8	7	7	7	7.8	10	988.3	+8	N	4	cpr	41	85	7	8	7	-	7-8	9	2000	1	2	cpr	cpr	rrr	rrr	rrr
15	Dalwhinnie ...	985.6	+14	N	3	ld	38	92	7	5	1	-	3	10	983.0	+6	NNE	1	bc	37	85	8	8	-	-	4.6	4.6	2500	0	*	cir	obcc	rrr	rrr	rrr
	Aberdeen ...	981.8	+18	NW	3	pr	44	85	8	3	9	-	2.3	4.6	983.0	+6	NW	3	b	41	92	8	2	-	3	1	1	2500	1	2	cpr	pr.bcc	rrr	rrr	rrr
	Wick ...	981.5	+12	NNW	4	cpr	44	75	8	8	7	2	4.6	9	982.2	+6	NNW	5	cpr	43	85	8	8	7	1	4.6	9	1500	1	2	cpr	cpr.c	rrr	rrr	rrr
16	Lerwick ...	977.3	+6	N	6	pr	43	85	7	8	7	-	7-8	9	976.3	0	N'W	5	cpr	44	92	7	8	7	-	7-8	9	800	1	*	cpr	cpr	rrr	rrr	rrr
17	Blacksod Point...	988.3	+10	NW	2	bc	49	85	8	3	-	-	2.3	4.6	989.1	+16	NNE	4	bc	47	85	8	3	-	-	4.6	4.6	1500	1	3	bc	pr.bcc	rrr	rrr	rrr
18	Matin Head ...	985.6	+8	N'W	3	bc	47	75	8	2	-	-	2.3	4.6	987.0	+4	N'E	5	c	47	85	8	2	-	2	4.6	7-8	4000	0	4	cprbc	c	rrr	rrr	rrr
	Aldergrove ...	986.1	0	SW	2	bc	46	75	9	8	3	-	2.3	4.6	986.3	+6	-	0	bc	33	92														

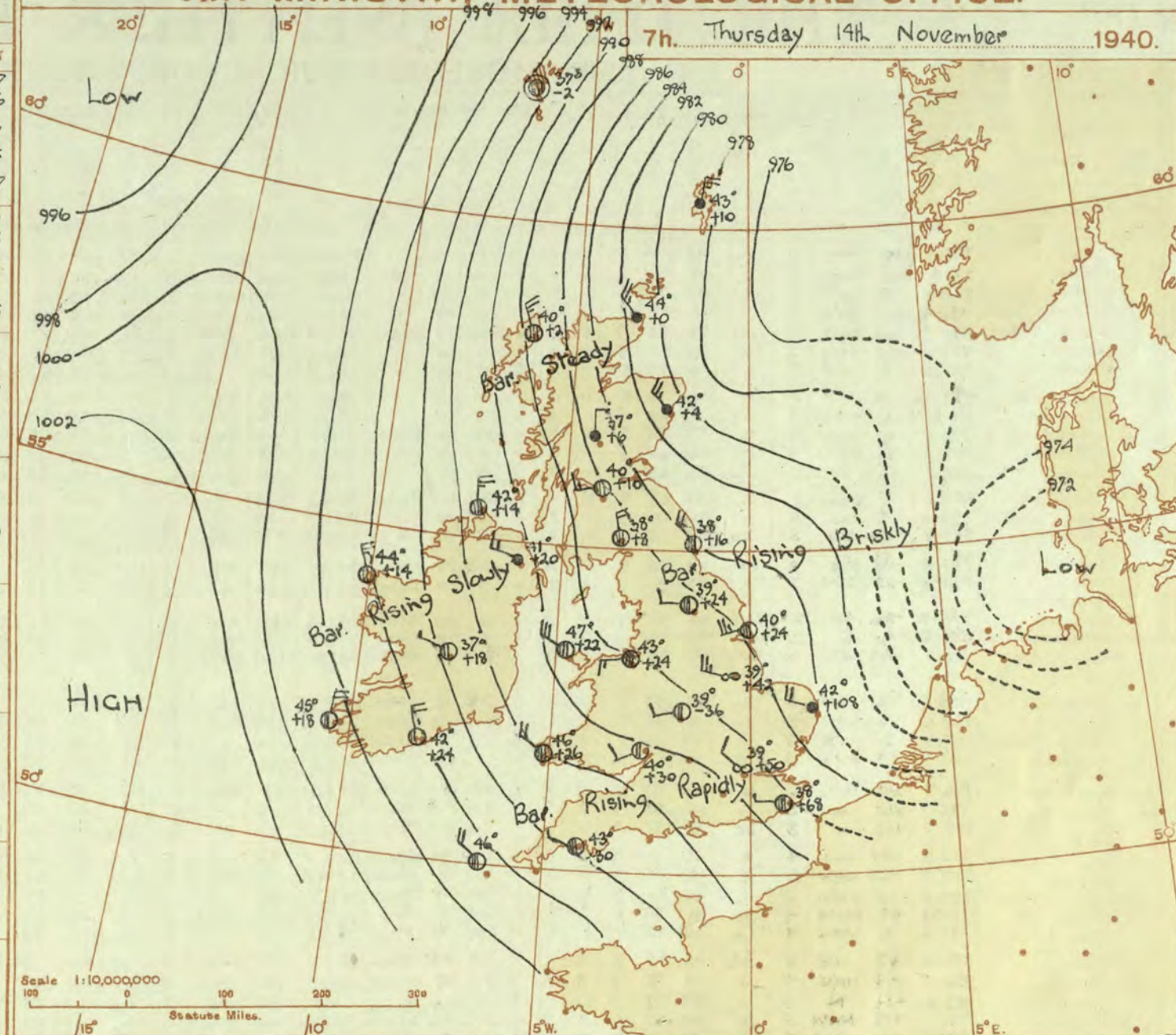


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T.	14h. G.M.T.	15h. G.M.T.	16h. G.M.T.	17h. G.M.T.	18h. G.M.T.	19h. G.M.T.	20h. G.M.T.	21h. G.M.T.	22h. G.M.T.	23h. G.M.T.	24h. G.M.T.
III	III	III	III	III	III	III	III	III	III	III	III
109	87	25755	30585	87	25755	30585	87	25755	30585	87	25755
115				87	88844	65586	87	88835	65686	87	88834
203							87	81847	65667		
206	74	01854	28155	84	01754	30284	87	82856	28186	96	81844
210	86	02846	28485	86	02844	28486				87	81747
220										90	25645
230	87	02854	32217	83	02853	32417	57	02855	32518	87	10844
245	53	01953	30324	53	01863	28224	87	81966	27226	97	02946
260	57	05667	24227	53	01862	30184	53	02864	26116		
277	06	10844	24384	30	00842	28182	20	02841	26325	83	01854
279	3-	81737	24587	23	01734	28314				6-	61638
285	9-	81847	20287	57	01863	18184	01	05590	30228	5-	61658
288	16	01782	24104								
301	07	81749	08486	87	25654	00088	00	05690	30246	37	02754
321	57	25426	-----	07	05590	17128	02	08490	30348	03	05590
329	57	01744	25414	57	05643	23315	51	05644	30528	50	01743
392	87	81854	22387	04	05690	22184	01	05590	29348	57	01764
310	--	01684	24314	--	02428	24328				--	08426
316				02	08430	00028	02	45390	04348	00	02590
333	21	02853	24427	27	02765	25228	20	02753	04385	20	25855
334	--	01854	22204							--	03645
340	27	02853	22325				01	41590	30348	20	01752
136				02	05690	18228	5-	66648	03268	57	22652
336	48	81742	24588	43	03752	20428				13	02754
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368											
379	52	05662	20228	--	04764	28214	02	22648	32368	03	01790
390	57	05551	20227	52	57336	12158	02	76538	65768	57	05544
382	57	02873	21328	02	62658	12268	02	62648	30468	07	01790
438	3-	62748	24468							80	01744
430	52	63635	22328	62	64538	08368	02	68538	61768	30	05642
409	02	62668	13268	62	64625	02468	20	02845	30528	30	10844

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>m</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



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DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th November, 1940.

1 S.E. England	Light or moderate west or northwest wind, backing southwest tomorrow, freshening during day; mainly fine; local fog night and morning; rather cold, night frost.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate to light northwest wind, backing west to southwest and freshening tomorrow; bright intervals, local showers of rain or hail; Cloud increasing tomorrow with risk of rain by noon; local fog night and morning; rather cold, night frost.
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.	Fresh northwest wind, falling light backing southwest and freshening again; Bright intervals, local showers, rain tomorrow; rather cold.
14 Mid Scotland	
15 N.E. Scotland	Fresh or strong north wind, moderating; much cloud, some showers; rather cold.
16 Orkneys and Shetlands	
17 N.W. Ireland	As 13-14
18 N.E. Ireland	As 4-12.
19 S.E. Ireland	
20 S.W. Ireland	

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

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

GENERAL INFERENCE.

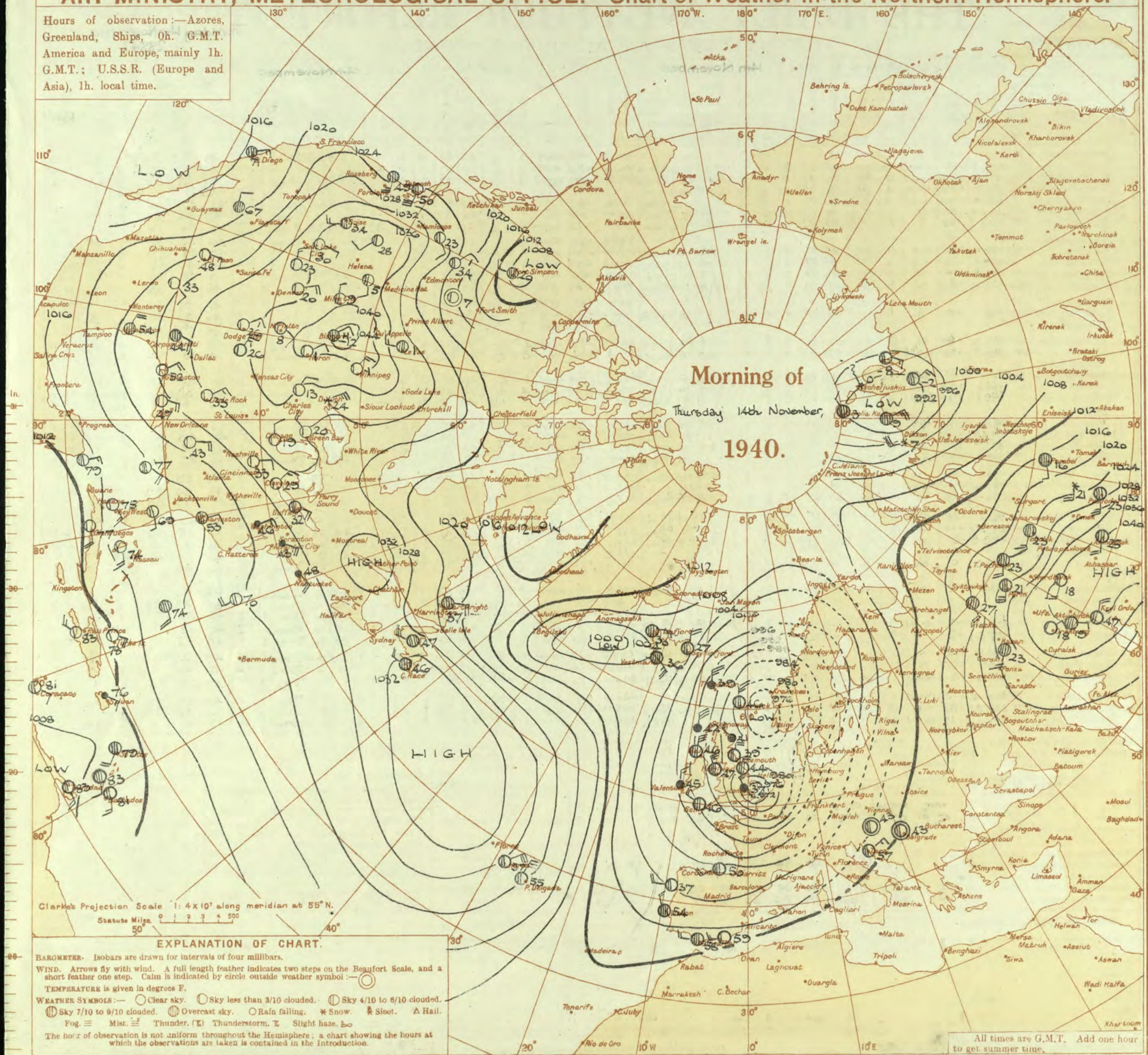
A depression over the North Sea is moving north east and another depression south of Iceland is moving southeast. After a short fair quiet interval with local fog, rain will spread southeast across the country with freshening winds.

FURTHER OUTLOOK.



# 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. 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.	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.	TEMPERATURE.				RAINFALL.		SUNSHINE 12 hr.				
					Direc.	Force.					Form.	Amount.	Height of Base (feet).			Direc.	Force.					Form.	Amount.	Height of Base (feet).			State of Ground.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.		Night 18h-7h mm.			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	990.6	+48	WSW	3	bc	80	92	6	5	-	1	2-3	2500	1	*	45	33	30	1	20	0.0				
	Croydon	217	972.3	-14	NW	2	bc	87	97	6	2	-	9	990.6	+50	NW	2	bc	89	92	6	4	2	0	2-3	1	*	49	33	32	2	27	0.0				
	S. Farnborough	226	977.8	+42	NW	2	bc	87	97	6	2	-	9	990.2	+38	WSW	2	bc	86	92	8	5	-	2	1	2-3	2	*	49	33	30	3	25	0.0			
	Boscombe Down	417	981.7	+72	NW	2	bc	88	92	6	7	-	7	990.2	+38	WSW	2	bc	86	92	8	5	-	2	1	2-3	2	*	49	33	30	3	25	0.0			
	Calshot (Stmtn.)	8	981.4	-114	NW	2	bc	88	92	6	7	-	7	990.2	+38	WSW	2	bc	86	92	8	5	-	2	1	2-3	2	*	49	33	30	3	25	0.0			
	Lymington	346	984.8	-94	NW	2	bc	88	92	6	7	-	7	990.2	+38	WSW	2	bc	86	92	8	5	-	2	1	2-3	2	*	49	33	30	3	25	0.0			
	Manston	154	984.7	-88	NW	2	bc	88	92	6	7	-	7	990.1	+70	WSW	4	bc	86	92	6	3	-	4	7-8	8000	1	*	50	37	34	7	15	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	989.8	+60	WSW	4	bc	41	92	6	5	-	8	1	7-8	2500	1	*	50	36	35	1	26	0.0			
	Felixstowe	15	988.7	-88	NW	4	bc	47	97	5	2	-	7-8	988.4	+104	WS	4	c/p	41	80	5	7	-	0	9	-	1	1	48	38	37	Tr	23	0.0			
	Gorleston	5	973.4	-70	NW	4	bc	46	92	6	2	-	10	985.3	+108	WN	4	c/p	42	97	6	6	-	10	10	1000	1	3	48	42	38	-	23	0.0			
	Mildenhall	19	974.3	-54	NW	4	bc	39	97	6	2	-	7-8	987.6	+60	WS	4	c/p	80	92	5	8	-	2-3	7-8	2500	1	*	49	38	36	-	24	0.0			
	Cranwell	240	979.0	-30	NW	4	bc	37	92	4	5	-	10	986.7	+42	WN	5	bc	39	92	5	5	-	7-8	7-8	1000	1	*	46	37	35	-	-	0.6			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	990.1	+80	WSW	2	bc	38	85	6	-	-	1	0	2-3	-	1	*	47	38	34	-	-	0.2			
	Upper Heyford	408	979.6	+6	NW	3	bc	38	92	6	2	-	0	990.0	+42	WS	2	bc	38	92	8	-	4	0	1	-	1	*	46	37	31	-	18	0.1			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	991.0	+30	SW	2	bc	40	85	7	-	-	2	0	2-3	-	1	*	48	40	34	Tr	1	0.1			
5	Hartland Point	299	986.0	+80	NW	3	bc	47	85	8	2	-	7-8	982.0	+28	NW	4	c/p	40	92	8	3	-	7-8	7-8	2000	1	3	49	40	41	4	3	0.0			
	Bristol	209	983.2	+48	NW	3	bc	42	85	7	5	-	2-3	981.4	+34	NW	3	c/p	40	92	6	5	-	4-6	7-8	4000	1	*	48	39	34	2	14	0.0			
	Portland Bill	32	*	*	*	*	*	*	*	*	*	*	981.4	+34	NW	3	c/p	40	92	6	5	-	4-6	7-8	4000	1	*	48	39	34	2	14	0.0				
	Plymouth	82	987.0	+52	NW	2	bc	44	85	7	8	-	4-6	983.8	+80	WNW	1	c	48	85	5	8	-	1	7-8	7-8	1600	1	2	51	38	35	9	12	0.0		
	The Lizard	240	980.8	+40	NW	2	bc	46	75	7	8	-	7-8	984.6	+20	NW	4	c	46	85	8	8	-	7-8	7-8	1500	1	3	49	39	*	23	12	0.0			
	Scilly (St. Mary's)	163	980.1	+40	NW	4	bc	46	70	8	2	-	4-6	984.8	*	NW	4	c/p	46	*	8	8	-	4-6	7-8	1000	1	5	49	43	*	13	7	0.0			
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	984.8	*	NW	4	c/p	46	*	8	8	-	4-6	7-8	1000	1	5	49	43	*	13	7	0.0				
6	Pembroke	142	984.6	+18	NW	4	bc	46	82	7	8	-	7-8	982.6	+20	WNW	4	c	46	85	7	8	-	7-8	7-8	2500	1	2	50	43	*	Tr	0.2	0.0			
7	Holyhead	26	983.9	+10	NW	3	bc	47	82	7	3	-	7	988.7	+22	WNW	3	c	47	85	8	2	-	1	8	8	2200	1	3	48	43	41	Tr	0.1	0.0		
	Chester (Sealand)	16	982.7	0	NW	3	bc	41	85	6	5	-	2-3	988.2	+24	WS	3	c	43	75	6	3	-	0	9	1500	1	*	49	38	81	-	-	0.8			
8	Manchester	70	982.1	-8	NW	3	bc	39	92	5	5	-	1	987.8	+20	SW	1	m	36	92	4	2	-	4-6	4-6	2800	1	*	47	33	26	1	0.1	0.5			
10	Spurn Head	29	978.1	-44	NW	4	bc	44	85	6	2	-	4-6	984.5	+24	WS	5	c	40	75	7	-	3	-	0	7-8	-	1	3	46	38	*	Tr	1.4	*		
	Catterick	175	982.0	-10	NW	2	bc	39	85	6	2	-	7	985.4	+24	NW	2	c/p	39	75	7	5	-	9	9	8500	1	*	46	35	33	Tr	-	2.3			
	Tynemouth	108	983.3	-10	NW	2	bc	39	85	6	2	-	2-3	983.3	+10	NW	4	c/p	38	92	6	-	-	10	10	2500	1	2	47	35	33	0.2	0.4	*			
11	St. Abbs Head	280	981.1	-24	NW	4	bc	41	85	8	4	-	2-3	981.1	+6	NW	3	c/p	42	85	8	5	-	7-8	10	2500	1	3	45	41	*	Tr	0.2	*			
	Leuchars	36	982.3	-14	NW	3	bc	41	75	5	7	-	2-3	982.7	+12	WNW	3	c/p	42	75	8	8	-	4-6	7-8	8500	1	*	47	38	32	-	-	0.1			
12	Renfrew (Abbots I.)	19	985.3	-6	NW	2	bc	36	92	7	5	-	7-8	986.1	+10	WS	3	c	40	85	8	5	-	2-3	9	8500	1	*	48	31	27	-	0.1	2.5			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	984.8	+8	WNW	4	c	38	75	7	5	-	0	9	1500	1	*	46	32	25	0.4	-	3.9				
	Point of Ayre	30	984.0	0	NW	4	bc	44	75	8	-	4	0	987.0	+12	WNW	3	c	46	85	8	8	-	1	7-8	2500	1	3	46	40	*	4	-	0.4			
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	988.5	+2	NNW	5	c	40	85	7	8	-	4-6	9	1200	1	3	44	36	*	0.2	3	0.0				
13B	Stornoway	80	988.0	-2	NW	3	bc	42	85	7	8	-	0	988.5	+2	NNW	5	c	40	85	7	8	-	4-6	9	1200	1	3	44	36	*	0.2	3	0.0			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	980.3	+4	NNW	5	p/p	42	92	7	9	-	9	9	1500	1	2	45	39	37	1	6	0.3				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	980.3	+4	NNW	5	p/p	42	92	7	9	-	9	9	1500	1	2	45	39	37	1	6	0.7				
	Wick	81	981.0	-8	NW	3	bc	44	85	8	7	-	4-6	980.6	0	NW	5	p/p	44	85	8	5	-	7-8	10	1500	1	2	46	42	*	0.1	3	0.0			
16	Lerwick	156	977.6	+2	NW	3	bc	48	85	8	7	-	4-6	978.5	+10	NW	5	p/p	48	85	8	7	-	7-8	10	1500	1	2	46	42	*	0.1	3	0.0			
17	Blackod Point	18	983.6	+18	NW	5	bc	45	85	7	3	-	0	982.4	+14	NNW	8	bc	44	76	8	3	-	2	2-3	4-6	2500	1	4	49	42	*	1	2	*		
18	Malin Head	84	985.2	+6	NW	3	bc	46	75	8	2	-	2-3	980.5	+14	NW	5	c/p	42	87	7	9	-	0	9	2500	1	4	48	41	*	1	0	3.4			
	Aldergrove	268	987.5	+6	NW	2	bc	38	85	8	3	-	2-3	980.7	+20	WNW	3	PR	41	85	8	8	-	0	9	1200	1	*	47	35	30	0.2	1	3.6			
19	Birr Castle	173	980.6	+10	NW	1	bc	37	92	8	-	-	0	984.9	+18	WNW	1	bc	37	92	8	5	-	2-3	2-3	2500	1	2	45	35	32	1	0.2	1.8			
20	Valentia Obay.	30	983.8	+82	NW	1	bc	43	93	9	-	-	0	988.3	+18	NNW	1	bc	37	92	8	5	-	4-6	4-6	2500	1	2	50	40	39	1	4	0.0			
	Roches Point	22	991.0	+28	NW	1	bc	43	92	8	0	-	1	986.0	+24	NNW	1	bc	42	85	8	5	-	1	2-3	2500	1	3	47	41	*	-	-	0.0			



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Friday 15th November 1940.  
 No. 28848

OBSERVATIONS at 13h. G.M.T. 14th November														OBSERVATIONS at 18h. G.M.T. 14th November														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1) mb.	Change in 3 hours (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15) mb.	Change in 3 hours (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Direc. (3)	Force. 0-12 (4)					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)	7h.—13h. 14h. (37)	13h.—18h. 14h. (38)	18h.—1st. 1st.—1st. (39)	1st.—7h. 1st. (40)
1	London (Kew)...	993.2	0	SW	3	z	46	85	5	1	1	2.3	2500	994.6	+10	SW	3	z	43	85	5	1	1	0	0	2500	1	1	bcbmo	bcbmo	bmgw	bffx			
	Croydon ...	993.2	+6	SW	2	z	48	75	6	1	4	0	4.6	994.8	+14	S	1	z	41	85	5	1	1	1	0	0	2500	1	1	bcbmo	bcbmo	bmgw	bmgw		
	S. Farnborough	994.1	+10	WS	3	bc	47	75	7	1	2	2	2.3	995.1	+10	WSW	3	b	39	85	7	4	1	1	0	0	2500	1	1	bc	b	bmgw	bmgw		
	Boscombe Down	993.9	+6	WN	4	bc	47	75	7	2	1	2	2.3	995.2	+10	W	3	b	40	85	8	2	6	1	0	0	4000	1	1	bc	b	b	bcbmo		
	Calshot (Soton.)	994.2	+10	WNW	3	bc	48	75	8	1	1	4.6	2500	995.5	+12	WN	2	b	42	83	7	2	4	1	0	0	3000	1	2	bc	bcb	bmgw	bmgw		
	Lympne ...	993.5	+8	SW	3	c	47	75	8	1	6	0	7.8	995.1	+8	W	3	z	41	92	5	1	2	3	0	2.3	1	1	cmobcc	cbcmo	bc bmgw	b			
	Manston ...	993.5	+8	SW	3	c	47	75	8	1	6	0	7.8	995.1	+8	W	3	z	41	92	5	1	2	3	0	2.3	1	1	cmobcc	cbcmo	bc bmgw	b			
2	Shoeburyness ...	993.3	+6	WSW	2	bc	49	75	6	1	4	0	4.6	994.5	+6	WSW	2	b	44	85	6	1	1	1	0	0	1	1	2	bcbmo	bcbmo	bmgw	bmgw		
	Felixstowe ...	992.0	-2	W	3	z	47	75	6	1	1	0	2.3	993.6	+12	WSW	3	z	43	85	5	1	1	1	0	0	1	1	2	bcbmo	bcbmo	bmgw	bmgw		
	Gorleston ...	992.9	0	WSW	3	bc	45	85	7	1	1	2.3	2.3	992.4	+4	WSW	2	z	44	85	6	5	1	1	2.3	2.3	2.500	1	2	oro cbcq	bc	bcb	bcb		
	Mildenhall ...	991.2	8	WS	4	b	43	65	8	1	1	1	1	992.6	+8	WSW	3	bc	42	85	7	1	6	1	0	4.6	1	1	bcbmo	bcbmo	bcb	bcb			
	Cranwell ...	990.2	+10	W	5	z	45	75	6	5	2	2.3	7.8	991.5	+10	W	5	z	41	85	5	5	1	1	2.3	7.8	2.500	1	1	bcbmo	bcbmo	bcb	bcb		
3	Birmingham	991.9	+8	N	3	c	47	65	7	8	1	4.6	7.8	993.1	+4	WSW	2	z	41	85	6	4	1	1	1	1	2.500	1	1	bcb	bcb	bcb	bcb		
	Upper Heyford	992.7	+4	WS	3	bc	49	65	7	2	3	2.3	2.3	994.3	+10	W	2	b	39	97	7	1	4	1	0	0	1	1	1	bcb	bcb	bcb	bcb		
4	Ross-on-Wye ...	993.2	+6	W	3	bc	50	65	8	2	3	4.6	4.6	994.7	+6	SW	2	b	40	85	8	5	1	1	0	0	1	1	1	bcb	bcb	bcb	bcb		
5	Hartland Point	993.3	+6	NW	4	c	47	85	9	3	1	7.8	7.8	993.8	+6	NW	3	c	46	75	8	8	1	1	7.8	7.8	1.500	1	3	epbec	cp	bcb	bcb		
	Bristol ...	994.4	+10	W	3	bc	48	75	8	3	1	4.6	4.6	995.4	+10	W	1	b	41	85	7	1	6	1	0	1	1	1	1	bcbmo	bcb	bcb	bcb		
	Portland Bill ...	994.5	+6	NW	4	c	50	85	8	2	1	7.8	7.8	995.8	+12	NW	3	c	48	85	8	5	4	1	4.6	7.8	2.500	1	3	c	bcb	bcb	bcb		
	Plymouth ...	996.0	+2	WNW	4	bc	49	75	8	3	1	4.6	4.6	997.3	+6	W	2	bc	44	85	8	3	1	1	4.6	4.6	2.500	1	1	cmo, pro, p	bcb	bcb	bcb		
	The Lizard ...	997.0	0	WNW	5	b	48	75	8	6	1	4.6	4.6	998.0	+6	WNW	4	bc	46	75	8	8	6	1	4.6	4.6	3.000	1	2	bc	bcb	bcb	bcb		
	Scilly (St. Mary's)	997.9	+10	NW	4	bc	48	75	8	8	6	4.6	4.6	997.9	+2	NW	3	bc	46	75	8	8	1	1	4.6	4.6	1.800	1	3	bcb	bcb	bcb	bcb		
	Guernsey ...	997.9	+10	NW	4	bc	48	75	8	8	6	4.6	4.6	997.9	+2	NW	3	bc	46	75	8	8	1	1	4.6	4.6	1.800	1	3	bcb	bcb	bcb	bcb		
6	Pembroke ...	995.7	+10	NW	4	c	46	85	8	2	1	7.8	7.8	994.9	0	NW	4	c	46	85	8	8	6	1	4.6	7.8	3.500	1	2	c	cv	bcb	bcb		
7	Holyhead ...	992.0	+12	NW	6	bc	47	85	8	8	2	2.3	4.6	992.7	+4	NW	5	c	46	85	8	8	1	1	3	3	2.000	1	3	c	phr	bcb	bcb		
	Chester (Sealand)	991.7	+4	WS	3	pr	44	85	6	8	7	7.8	3	992.4	+2	NW	2	phr	43	85	6	3	1	1	7.8	7.8	1.800	1	1	cmo, phr	phr	bcb	bcb		
8	Manchester ...	990.1	+6	SW	3	z	44	85	5	8	6	7.8	3	992.1	+10	SW	2	z	39	85	6	4	6	1	4.6	4.6	2.600	1	1	cmo, phr	phr	bcb	bcb		
10	Spurn Head ...	988.9	+4	WSW	4	c	46	75	6	4	2	4.6	9	989.7	+4	SW	4	bc	43	85	7	1	1	1	0	4.6	1	0	3	c	cmobc	b	bcb		
	Catterick ...	988.4	+4	W	3	c	45	65	8	3	8	0	9	989.7	+8	WSW	1	b	39	75	8	5	3	1	1	1	4.000	1	4	c	cbcb	bcb	bcb		
	Tynemouth ...	986.6	+8	W	4	z	45	75	6	2	3	2.3	7.8	988.4	+10	W	3	z	40	85	6	4	1	1	0	2.3	1	1	2	obcc	cbcb	bcb	bcb		
11	St. Abbs Head	984.3	+4	NW	6	cq	43	75	8	4	5	2.3	9	986.6	+14	NW	6	cq	43	75	8	4	5	4	4.6	7.8	2.500	0	3	bcq	bcq	c	bc		
	Leuchars ...	985.5	+12	W	c	cq	46	75	9	8	7	7.8	9	987.3	+10	NW	4	cq	42	75	9	5	1	1	9	9	3.200	1	1	cbcc	cbcc	c	bc		
12	Renfrew (Abbots L.)	988.4	+4	NW	3	c	46	65	9	2	7	1	9	989.7	+8	NW	3	c	41	75	8	8	1	1	4.6	3	2.500	1	1	c	c	bcb	bcb		
	Eskdalemuir ...	987.8	+4	NW	2	bc	42	75	8	5	4	1	4.6	988.9	+6	NW	4	bc	37	85	8	5	4	2	1	2.3	2.500	1	1	c	bc	bcb	bcb		
	Point of Ayre ...	990.4	+10	NW	5	bc	42	75	8	3	1	2.3	2.3	991.3	+6	NW	5	pr	44	85	8	8	1	1	7.8	7.8	2.500	1	3	bc	bcb	bcb	bcb		
13A	Three ...	990.9	+2	NW	5	bc	46	75	8	6	1	4.6	4.6	990.6	+2	NW	4	pr	43	75	8	8	3	1	2.3	2.3	2.100	0	4	bc	pr	bc	bc		
13B	Stornoway ...	990.0	+6	NW	4	pr	42	75	8	8	7	7.8	9	990.4	+6	NW	3	pr	40	85	7	8	8	1	7.8	9	2.500	1	2	cprq	cpr	cpr	bc		
15	Dalwhinnie ...	988.1	+6	NW	3	ir	38	85	7	5	5	7.8	9	989.8	+10	NW	1	bc	35	85	7	8	5	1	4.6	7.8	2.500	1	1	cir	pr	bcb	bcb		
	Aberdeen ...	982.7	+6	NW	5	rr	42	32	7	9	1	10	10	985.6	+16	NW	4	bc	41	32	8	9	7	1	1	4.6	1.500	1	2	pr	pr	bcb	bcb		
	Wick ...	983.1	+10	NW	6	pr	44	75	7	8	7	7.8	10	985.3	+12	NW	5	pr	41	85	7	5	7	6	4.6	7.8	1.500	1	2	pr	pr	pr	pr		
16	Lerwick ...	980.4	+16	NNE	5	pr	44	85	7	8	7	7.8	9	982.6	+6	NW	4	pr	41	85	7	8	7	1	4.6	7.8	800	1	1	cpr	cpr	cpr	cpr		
17	Blacksod Point...	996.7	-4	NW	3	bc	49	75	8	3	1	4.6	4.6	993.8	-6	NW	1	bc	41	85	8	4	1	1	2.3	2.3	2.500	0	1	bc	bc	c	cq		
18	Malin Head ...	992.1	+4	NW	2	bc	45	85	8	9	1	2.3	4.6	991.9	+4	NW	4	c	45	75	8	2	6	1	4.6	7.8	4.000	0	4	bcb	bcb	bcb	bcb		
	Aldergrove ...	992.5	0	W	2	c	45	75	9	9	1	7.8	7.8	992.6	+2	WSW	2	b	38	85	8	2	1	1	1	1	2.500	1	1	pr	phr	bcb	bcb		
19	Birr Castle ...	996.6	+4	NW	2	bc	45	75	8	8	1	4.6	4.6																						

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

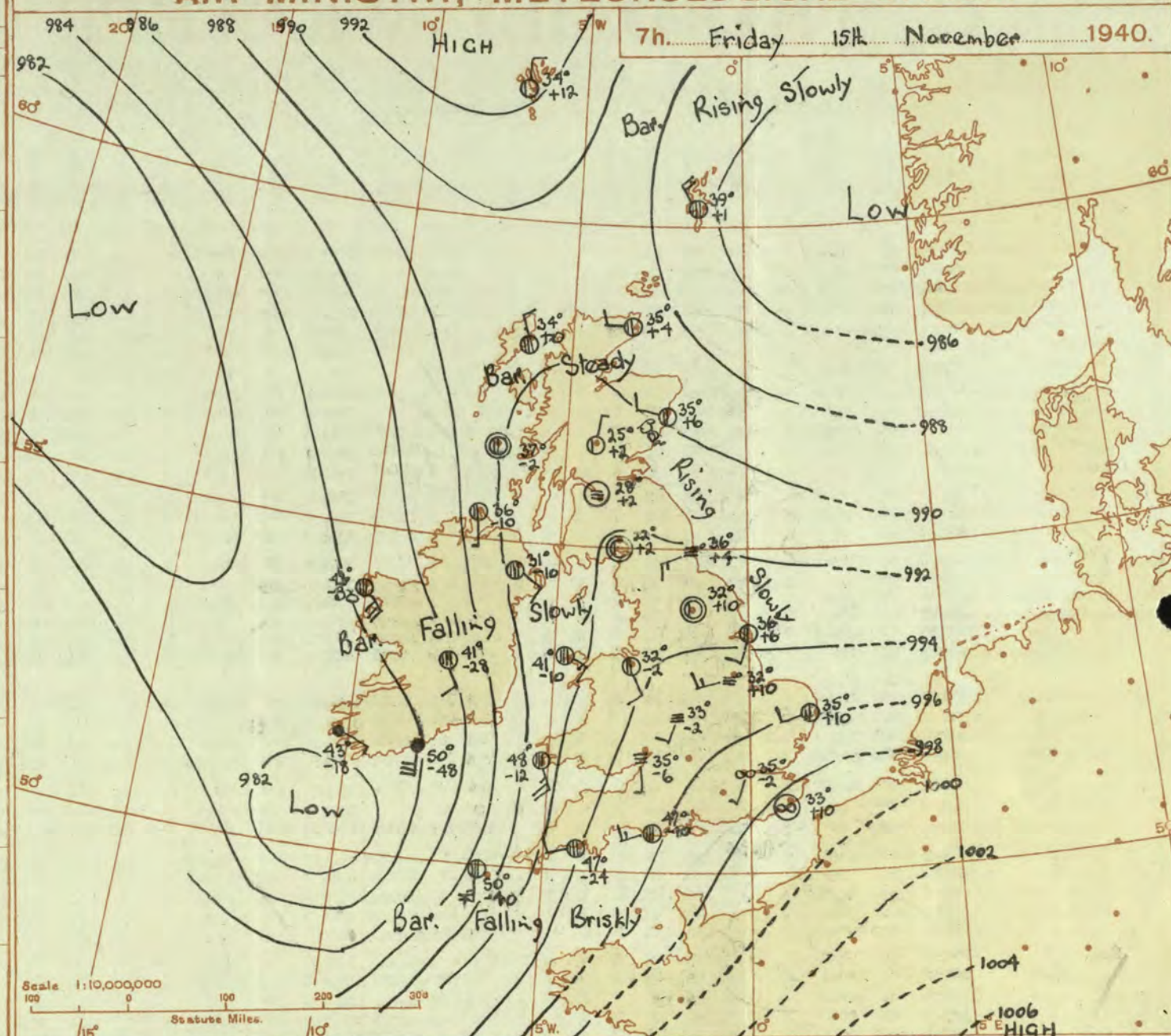


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 14th November 1917. 18h. G.M.T.						01h. G.M.T. 15th November 1917. 07h. G.M.T.						
III	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN
109	62	62745	64668	8-	02745	63385	8-	01844	22384	8-	25846	25486
115	52	81834	65687	52	81734	65687	51	01844	32485	87	01954	32385
203							8-	81846	28486			
206	84	02855	23126	87	01854	28226	53	00851	28222	8-	01964	25124
210	82	81846	61687	86	25845	60687	57	02853	22228	8-	01853	23323
220	93	25964	27384							24	01763	08103
230	87	10955	28416	8-	25854	29485	50	00862	26102	50	00841	28101
245	93	02946	63527	47	25954	61485	07	02950	24225	87	01963	24324
260	53	01864	24314	59	02862	24216	03	03430	22116	00	00830	00000
277	36	10953	29483	20	01844	28314	86	02845	06226	20	01953	28185
279	10	01873	24414	00	00830	30400	**	01863	24313			
285	8-	02747	26627	2-	01746	30616				20	01745	28115
288	87	02752	25366	04	00830	20212	04	00830	18102	04	00830	20202
273												
301	30	25754	29485	8-	05654	28384	9-	81646	24216	80	05544	08184
321	07	05590	23327	07	05590	26223	50	05561	20301	03	08490	15111
299	57	02744	24386	50	05642	22212	50	05641	22201	50	04442	23202
292	27	02851	24366	04	00790	24212	04	00830	00003	54	05563	00004
310	--	61528	24468							--	01633	24513
316	77	05654	24317	56	01662	24314	00	08490	22200	00	47330	00040
333	2-	02755	28485	96	88847	28487	20	01853	26113	20	25853	32285
334		01743	24114							--	03558	28128
340	8-	25757	22387	80	81845	22385	23	00851	16202	03	01890	16303
13613		05661	21414	03	05630	21313	04	05630	19211	54	05641	19203
336	26	02753	24515	62	02754	24416				14	01753	04414
350	10	01764	22415									
368												
379	13	01753	24313	40	01761	24301	00	05630	24100	04	08490	20102
390	00	05690	22314	00	47390	22210	00	45290	00040	00	43190	16140
382	19	05652	24303	40	05661	22101	00	05530	24110	04	04390	00002
438	60	02745	24315							80	01755	00015
430	10	05651	23314	03	08490	28101	20	05551	26201	86	10852	08183
409	3-	88747	26327	2-	01955	27385	14	00853	15283	45	01852	14313

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>H</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>M</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



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

GENERAL INFERENCE.

A depression just south of Ireland will now move eastwards in the neighbourhood of the English Channel and cause further rain over the southern half of the British Isles today, followed by brighter conditions with some showers tomorrow. In the northern half of the country weather will be fair and cold today but there will be some occasional wintry showers later.

FURTHER OUTLOOK.

Continuing unsettled generally.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th November, 1940.
1 S.E. England	Wind freshening from southeast finally northwest inland; southeast increasing strong on coast veering with south west gale; becoming dull and rainy; improving tomorrow; rather cold inland; milder on south coast.
2 E. England ...	
3 E. Midlands ...	Freshening southeast to east winds; strong locally on the coast later, finally becoming northerly decreasing; fair early; then dull rainy; with some sleet in places and chance of snow on the hills; Improving tomorrow; rather cold.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Wind southerly strong to gale on coast; veering northwest squally; dull rain at first; bright periods; local showers; average temperature.
7 North Wales ...	
8 N.W. England	Wind variable, light to moderate; fair today; becoming cloudy with occasional rain or sleet, with snow on hills; rather cold.
9 N. Midlands ...	
10 N.E. England	Wind light variable becoming easterly moderate; mainly fine today, a few wintry showers later near the coast; some local fog tonight and tomorrow.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Winds rather light and variable; mainly fair, apart from a few showers later; some local fog; cold with frost locally at night.
13 { A.W. Scotld. B.N.W. Scot- land.	Winds rather light and variable; variable sky with bright periods; some wintry showers with snow on hills; cold with frost at night.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As G-9.
18 N. E. Ireland	
19 S. E. Ireland	Winds veering westerly fresh to strong and squally, some rain at first, then bright periods and showers of rain or hail with a chance of thunder; average temperature.
20 S. W. Ireland	

Forecasts issued at 10.30 G.M.T.

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

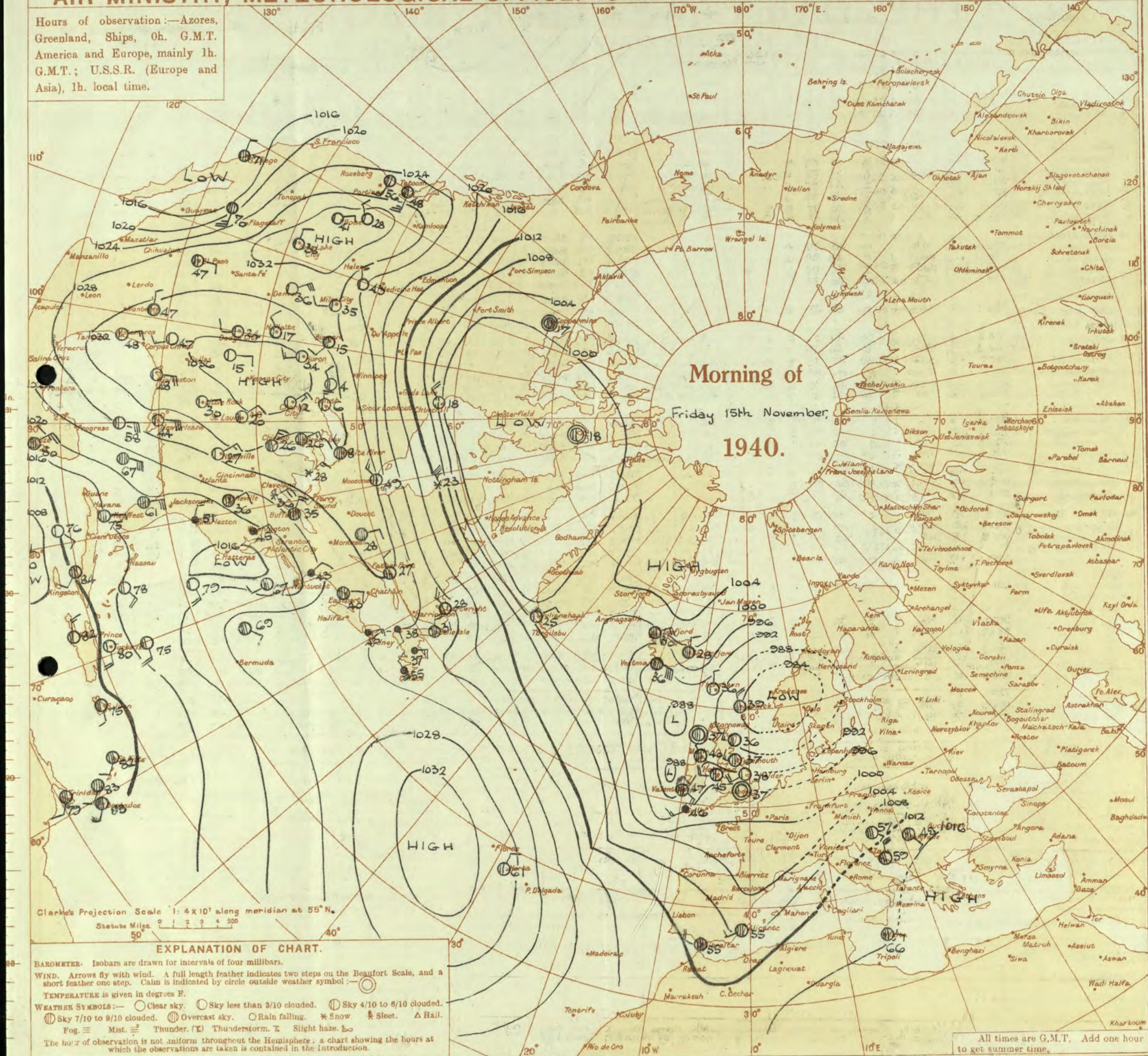
H.W.S.G. Press, Cornhill House, S.E.1.

980/1940, 980/1940, 980/1940, 980/1940, 980/1940



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

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





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Friday 15th November 1940  
No. 28848

[illegible]



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 16th November 1940

No. 28849

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

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

PAST 24 HOURS.

DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0-9 (22)	Cloud.					State of Ground. (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)	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)	7h.—13h. 15th.—15h. 13h.—13h. 15th.—15h. 15th.—15h. (37) (38) (39) (40)				
1	London (Kew)...	993.5	-24	SSE	4	Zo	48	75	6	2	3	1	2-3	7-8	2500	988.8	-30	SSW	4	Zo	47	85	6	5	-	3	7-8	97	2500	1	*	bF Fxcz.	bcbzemo.	emg bge	eqirgc	
	Croydon ...	993.6	-26	SSE	3	bc pr	50	65	7	4	4	2	2-3	4-6	1800	989.8	-26	S	3	Zo	41	75	6	5	-	-	4-6	4-6	2000	1	*	bcb pr	bemo	emg bge	eqirgc	
	S. Farnborough	993.3	-28	SSE	3	bc pr	47	75	6	8	6	2	4-6	4-6	2500	988.0	-32	SE	4	Zo	47	85	6	4	7	6	4-8	10	2500	1	*	bcb pr m	bemo	emg bge	eqirgc	
	Boscombe Down	992.5	-30	S	5	bc	51	75	8	1	-	2	2-3	4-6	2900	985.9	-44	SSE	7	rr	49	85	6	5	-	-	10	10	700	1	5	bcb pr	bcb pr m	emg bge	eqirgc	
	Calshot (Soton).	996.4	-20	S	1	bc	45	92	8	3	-	3	9	9	1200	993.1	-22	S	5	c	47	85	8	8	-	-	9	9	1500	1	5	bcb pr	bcb pr m	emg bge	eqirgc	
	Lympe	995.8	-12	SSW	3	c	46	85	8	4	1	7-8	9	2500	992.3	-22	SE	5	c	47	85	7	8	-	-	7-8	9	2000	1	5	bcb pr	bcb pr m	emg bge	eqirgc		
2	Shoeburyness ...	996.4	-18	S	3	c	48	75	8	8	5	-	4-6	7-8	4000	992.4	-20	E/N	3	c	47	85	7	5	-	2	7-8	9	4000	1	*	bmbc	bcbbe	babbe	i. prc	
	Felixstowe ...	995.1	-22	S'W	3	bc	50	75	7	8	-	6	7-8	2-3	2000	992.7	-18	S'E	5	c	47	75	7	4	7	6	7-8	9	3000	1	3	bmb	bc	cabbe	cabprir	
	Gorleston ...	996.6	-10	SSW	3	bc	46	75	6	-	2	-	2-3	2-3	2500	993.5	-10	S	3	bc	46	75	6	2	4	-	2-3	4-6	2500	0	2	bcbzobc	bc	cabbe	cabprir	
	Mildenhall ...	994.2	-18	S'E	3	Zo	47	65	6	-	-	5	0	1	-	990.9	-18	SE	3	Zo	42	85	6	5	4	1	2-3	7-8	4000	0	*	bmbxmbzob	emo	cabbe	cabprir	
	Cranwell ...	993.5	-14	S'E	3	Zo	44	85	5	-	5	0	2-3	-	-	990.1	-18	SE'S	4	Zo	40	92	5	5	-	5	7-8	9	3000	1	*	bmbxmbzob	emo	cabbe	cabprir	
3	Birmingham	992.1	-20	SSE	3	bc	45	75	7	1	-	1	2-3																							
	Upper Heyford	992.9	-26	SSE	3	Zo	47	75	7	1	5	1	4-6																							
4	Ross-on-Wye ...	990.4	-34	SE	3	c	46	75	7	7	7	6	1	7-8	2500	983.9	-40	SE	4	rr	46	85	6	6	2	-	7-8	10	1500	1	*	bcb	emo	cabbe	cabprir	
5	Hartland Point	984.4	-48	SSE	4	c	48	92	8	5	2	-	7-8	10	1200	980.4	-16	SW	4	c/pr	49	85	8	8	-	-	9	9	1500	1	3	bcb	emo	cabbe	cabprir	
	Bristol ...	990.5	-34	SE	3	c	48	75	7	8	7	-	10	10	2500	983.1	-34	SE	6	rr	46	92	6	6	2	-	9	10	800	1	*	cxbw	emo	cabbe	cabprir	
	Portland Bill ...	990.1	-32	S	4	c	51	92	8	5	-	-	10	10	4000	984.0	-32	S	5	rr	50	92	7	5	-	-	10	10	2500	1	5	cxbw	emo	cabbe	cabprir	
	Plymouth ...	986.2	-34	SE	5	ro	50	85	8	6	2	-	3	10	2000	982.9	-2	SW	5	c/pr	48	85	6	3	-	-	7-8	7-8	1000	1	3	cxbw	emo	cabbe	cabprir	
	The Lizard	984.1	-40	S	6	c	48	97	8	3	2	-	7-8	9	1500	982.2	-4	SW'S	5	c/pr	48	85	8	8	-	-	7-8	7-8	1500	1	3	cxbw	emo	cabbe	cabprir	
	Scilly (St. Mary's)	982.9	-28	W&W	3	c/pr	49	85	8	9	7	-	4-6	7-8	1000	981.2	-10	SW'S	4	c/pr	47	85	8	9	7	-	7-8	7-8	1200	1	2	cxbw	emo	cabbe	cabprir	
	Guernsey ...																																			
6	Pembroke ...	982.5	-32	SE	8	ro	49	92	7	6	-	-	9	9	1000	979.2	-12	SW'W	5	c	48	97	7	8	7	-	4-6	7-8	1900	1	4	ro	emo	cabbe	cabprir	
7	Holyhead	996.6	-26	SE	5	c	47	75	9	5	4	5	9	9	4000	980.5	-34	ESE	5	ro	47	85	7	6	2	-	4-6	10	1900	1	3	bcb	emo	cabbe	cabprir	
	Chester (Sealand)	990.3	-20	SE	3	Zo	45	75	6	1	5	-	7-8	4000	994.6	-30	ESE	4	c	44	85	6	5	2	-	4-6	10	4000	1	*	bcb	emo	cabbe	cabprir		
8	Manchester ...	991.2	-22	SE'S	3	Zo	45	75	6	-	4	6	0	1	-	986.5	-30	E	4	m	43	85	4	5	7	-	4-6	7-8	1500	1	*	fm	emo	cabbe	cabprir	
10	Spurn Head ...	993.2	0	SE	3	c	45	75	7	-	1	4	0	7-8	-	990.1	-10	SE'S	5	bc	46	85	7	5	1	1	0	2-3	-	0	3	bcb	emo	cabbe	cabprir	
	Catterick	992.1	-14	SE	1	c	44	75	6	-	7	4	0	9	-	989.8	-6	-	0	bf	35	92	3	-	-	0	0	-	-	0	*	xbcz	emo	cabbe	cabprir	
	Tynemouth ...	993.3	0	SW	2	m	42	75	4	-	3	1	0	2-3	-	991.3	-10	SSW	3	bc	44	75	6	2	-	-	2-3	2-3	2800	1	2	bcb	emo	cabbe	cabprir	
11	St. Abbs Head	991.6	+4	SW	2	bc	40	85	8	2	4	-	1	4-6	2500	990.0	-4	ESE	2	bc	37	85	8	4	4	-	2-3	7-6	2500	0	1	bc	emo	cabbe	cabprir	
	Leuchars	990.7	-10	-	0	cf	31	92	2	5	3	-	4-6	10	2000	988.3	-12	E	3	cf	32	97	6	5	-	-	1	2-3	4000	1	*	bcb	emo	cabbe	cabprir	
12	Raefrow (Abbots I.)	991.2	-6	N	1	0	34	92	6	5	-	-	10	10	220	988.7	-12	NNE	1	bc	35	92	3	-	-	6	0	9	-	-	1	*	bcb	emo	cabbe	cabprir
	Eskdalemuir	991.2	-6	N	1	0	34	92	6	5	-	-	10	10	220	988.7	-12	NNE	1	bc	35	92	3	-	-	6	0	9	-	-	1	*	bcb	emo	cabbe	cabprir
	Point of Ayre ...	988.7	-16	SSE	5	c	47	85	8	8	6	-	7-8	7-8	2500	983.7	-24	SE'S	6	c	46	85	6	5	1	6	4-6	10	2500	0	3	c	emo	cabbe	cabprir	
13A	Tiree ...	990.5	-4	-	0	bc	40	85	8	5	6	-	4-6	4-6	2500	985.1	-12	SSW	4	c	42	75	8	5	-	-	9	9	2100			bc	emo	cabbe	cabprir	
13B	Stornoway	990.3	-4	NNE	1	b	37	65	8	1	-	-	1	1	2500	987.9	-10	ENE	3	b	41	75	8	2	-	-	1	1	2500			bc	emo	cabbe	cabprir	
15	Dalwhinnie	990.5	-2	NNW	1	b	42	75	6	8	8	-	1	1	2500	990.3	+4	NNW	1	bf	32	97	3	8	-	3	7-8	2-3	2500	1	1	bc	emo	cabbe	cabprir	
	Aberdeen	989.7	+2	W	3	bc	41	85	8	6	3	2-3	4-6	2500	989.2	-2	W	2	bc	35	92	8	8	6	1	2-3	2-3	2500	1	1	bc	emo	cabbe	cabprir		
	Wick ...	989.7	+2	W	3	bc	41	85	8	6	3	2-3	4-6	2500	989.2	-2	W	2	bc	35	92	8	8	6	1	2-3	2-3	2500	1	1	bc	emo	cabbe	cabprir		
16	Lerwick...	989.3	+10	NNW	3	c	42	85	8	5	7	1	4-6	7-8	1500	990.4	+4	NE	3	bc	41	85	8	5	7	1	4-6	4-6	1500	1	*	c	emo	cabbe	cabprir	
17	Blacksod Point...	981.7	-20	SE	4	RR	43	92	7	6	-	-	10	10	1150	978.4	-14	S'E	3	c	44	85	8	-	4	-	0	7-8	-	2	2	rr	emo	cabbe	cabprir	
18	Malin Head ...	985.7	-14	SEE	3	c	43	85	8	1	-	5	2-3	7-8	5700	980.9	-36	SE'E	6	c	46	85	8	9	-	-	9	9	4000	0	4	c	emo	cabbe	cabprir	
	Aldergrove ...	986.4	-22	E	4	ro	44	85	7	5	7	7	4-6	3	800	981.8	-24	ESE	4	Zo	44	85	6	5	7	7	7-8	10	2000	1	*	cxbz	emo	cabbe	cabprir	
19	Birr Castle	981.1	-24	S	2	rr	43	92	7	5	-	-	10	10	2500	978.8	-6	S	3	bc	39	97	8	5	4	-	2-3	2-3	2500	1		orr	emo	cabbe	cabprir	
20	Valentia Obay. †	979.8	-14	S'W	2	bc	47	85	9	3	6	3	4-6	4-6	2500	977.7	-8	SSE	3	bc	41	85	8	3	-	3	4-6	4-6	2500	1	1	orr	emo	cabbe	cabprir	
	Roches Point ...	980.2	-14	N	3	bc	49	75	8	3	3	-	2-3	4-6	1500	978.5	-6	W	2	bc	46	85	8	5	-	5	2-3	4-6	1500	1	3	orr	emo	cabbe	cabprir	

### 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<sub>g</sub>/k, slight storm of drifting snow (generally high).  
S/k, heavy storm of drifting snow (generally high).  
KQ, line squall.  
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<sub>o</sub>, 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.

Column 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:    Altopcumulus,-Ac:    Altostratus,-As:  
Stratocumulus,-Sc:    Stratus,-St:    Nimbostratus,-Ns:    Cumulus,-Cu:    Cumulonimbus,-Cb:

COLUMN 29 — STATE OF GROUND

COLUMBIA RIVER.		STATE OF OREGON.	
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.		

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD

**CLOUD.**

- 0 No cirriform cloud.
- 1 Fine Ci not increasing: sparse.
- 2 Fine Ci not increasing: abundant but not a continuous layer.
- 3 Anvil Ci (usually dense).
- 4 Fine Ci increasing: usually in tufts.
- 5 Ci or 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).

atus,-Cs:	Altocumulus,-Ac:	Altostratus,-As:
ostratus,-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.



7h. Saturday 16th November 1940

7h. Saturday 16th November 1940.

HIGH

LOW

Bar. Falling

Bar.

Scale 1:10,000,000

Statute Miles.

5° W. 5° E.

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h,  $N_h$  = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 $C, C_M$  = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of Wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

**GENERAL INFERENCE.**  
A depression over Ireland is moving slowly east, and a vigorous secondary off north west Spain will move east and then north east. There will be showers in most districts, with local hail and thunder but also bright intervals. More general rain may occur in the extreme southeast this evening.

### FURTHER OUTLOOK.

Bright intervals and showers.

Forecasts issued at 10.30 GMT.

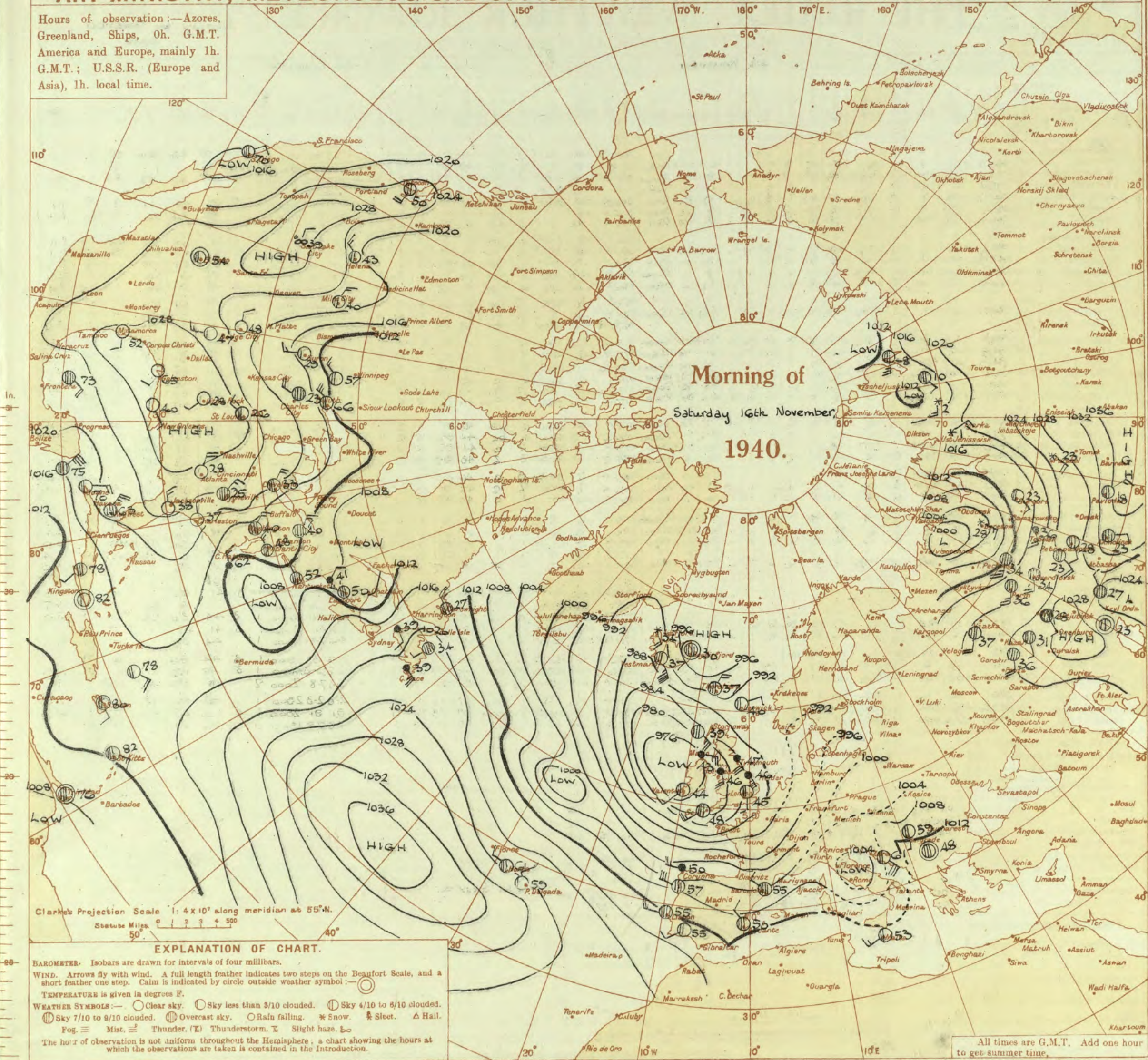
N. K. JOHNSON. D.Sc., A.R.C.S.  
Director.

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.





# 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. 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).	Max. Day 7h-15h °F.	Min. Night 15h-7h °F.			Min. on Grass °F.	Day 7h-15h mm.	Night 15h-7h mm.						
																																0-12	0-10		0-10	0-10	0-10
1	London (Kew) ...	18	30.4	0	S	1	3	40	92	6	0	0	0	0	30.4	0	S	1	3	40	92	6	0	0	0	0	0	49	43	34	Tr	6	5.0				
	Croydon ...	217	30.3	-12	S	2	3	40	92	6	0	0	0	0	30.3	-8	S	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	S. Farnborough ...	226	30.3	-14	SSW	2	3	40	92	6	0	0	0	0	30.3	-6	SSW	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Boscombe Down ...	417	30.2	-18	SE	3	3	40	92	6	0	0	0	0	30.2	-10	SE	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Calshot (Stmnt.) ...	8	30.3	-18	S	3	3	40	92	6	0	0	0	0	30.3	-4	SE	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Lymington ...	346	30.2	-22	S	5	3	40	92	6	0	0	0	0	30.2	-6	SSW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Manston ...	154	30.4	-22	SSW	5	3	40	92	6	0	0	0	0	30.4	-10	S	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
2	Shoeburyness ...	11	30.4	0	S	1	3	40	92	6	0	0	0	0	30.4	0	S	1	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Felixstowe ...	15	30.4	-20	S	1	3	40	92	6	0	0	0	0	30.4	-12	S	1	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Gorleston ...	5	30.7	-40	S	6	3	40	92	6	0	0	0	0	30.7	-12	S	6	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Mildenhall ...	19	30.4	-20	SE	4	3	40	92	6	0	0	0	0	30.4	-12	SE	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Cranwell ...	240	30.7	-10	SE	6	3	40	92	6	0	0	0	0	30.7	-14	SE	6	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
3	Birmingham ...	535	30.4	0	S	3	3	40	92	6	0	0	0	0	30.4	0	S	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Upper Heyford ...	408	30.4	0	S	3	3	40	92	6	0	0	0	0	30.4	0	S	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
4	Ross-on-Wye ...	223	30.4	0	S	3	3	40	92	6	0	0	0	0	30.4	-10	S	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
5	Hartland Point ...	299	30.8	-6	S	3	3	40	92	6	0	0	0	0	30.8	-20	S	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Bristol ...	209	30.2	-10	SW	2	3	40	92	6	0	0	0	0	30.2	-6	SSW	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Portland Bill ...	32	30.3	-10	SSW	5	3	40	92	6	0	0	0	0	30.3	-12	SSW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Plymouth ...	82	30.2	-8	WSW	4	3	40	92	6	0	0	0	0	30.2	-6	WSW	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	The Lizard ...	240	30.0	-10	SSW	5	3	40	92	6	0	0	0	0	30.0	-12	SSW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Scilly (St. Mary's) ...	183	30.1	-14	SW	5	3	40	92	6	0	0	0	0	30.1	-12	SW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Guernsey ...	175	30.1	-14	SW	5	3	40	92	6	0	0	0	0	30.1	-12	SW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
6	Pembroke ...	142	30.7	-6	SW	4	3	40	92	6	0	0	0	0	30.7	-24	SW	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
7	Holyhead ...	26	30.3	-6	SE	4	3	40	92	6	0	0	0	0	30.3	-12	SE	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Chester (Sealand) ...	16	30.4	-10	SE	2	3	40	92	6	0	0	0	0	30.4	-6	SE	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
8	Manchester ...	70	30.2	-14	SE	3	3	40	92	6	0	0	0	0	30.2	-10	SE	3	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
10	Spurn Head ...	29	30.2	-40	SE	7	3	40	92	6	0	0	0	0	30.2	-6	SE	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Catterick ...	175	30.3	-44	SE	3	3	40	92	6	0	0	0	0	30.3	-2	SE	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Tynemouth ...	108	30.3	-40	SE	6	3	40	92	6	0	0	0	0	30.3	+4	S	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
11	St. Abbs Head ...	280	30.3	-34	SE	6	3	40	92	6	0	0	0	0	30.3	-16	S	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Leuchars ...	36	30.4	-6	E	3	3	40	92	6	0	0	0	0	30.4	-28	SE	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
12	Benfrew (Abbotsl.) ...	19	30.3	-34	E	4	3	40	92	6	0	0	0	0	30.3	-6	ENE	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Eskdalemuir ...	794	30.3	-34	E	4	3	40	92	6	0	0	0	0	30.3	-2	S	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Point of Ayre ...	30	30.7	-10	SE	6	3	40	92	6	0	0	0	0	30.7	-4	S	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
13A	Tiree ...	22	30.3	-10	SE	6	3	40	92	6	0	0	0	0	30.3	-10	E	6	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
13B	Stornoway ...	80	30.3	-10	SE	6	3	40	92	6	0	0	0	0	30.3	-20	ESE	2	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
15	Dalwhinnie ...	1176	30.3	-10	SE	6	3	40	92	6	0	0	0	0	30.3	-24	SE	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Aberdeen ...	79	30.3	-12	SE	3	3	40	92	6	0	0	0	0	30.3	-12	SE	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
	Wick ...	81	30.7	-12	SE	3	3	40	92	6	0	0	0	0	30.7	-12	SE	5	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
16	Lerwick ...	156	30.5	-2	ENE	2	3	40	92	6	0	0	0	0	30.5	+2	ESE	4	3	40	92	6	0	0	0	0	0	49	42	38	0.1	14	5.5				
17	Blackod Point ...	18	30.5	-14																																	



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Sunday 17th November 1940.  
 No. 28853

OBSERVATIONS at 13h. G.M.T. 16th November.														OBSERVATIONS at 18h. G.M.T. 16th 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. 0-9 (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)	WEATHER.									
				Direc.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Med. 10-10 High 10-10 (10-13)	Height of Base. (feet) (14)			Direc.	Force. 0-12 (18)					Form.	Amount. Low 0-10 Med. 10-10 High 10-10 (24-27)	Height of Base. (feet) (28)			7h.—18h. 16th.... (37)	13h.—18h. 16th.... (38)	18h. to 17h. 17th.... (39)	1h.—7h. 17th.... (40)						
1	London (Kew)...	981.0	-12	SSW	4	z	46	92	6	8	3	4-6	9	2500	978.4	-14	E	2	ir	41	92	4	5	2	-	7-8	10	1500	1	*	crmo	crmo	crmo	crmo	
	Croydon ..	981.4	-8	S	2	z	46	92	6	3	6	3	4-6	9	1500	978.7	-20	S	1	z	45	85	5	8	-	-	10	10	1800	1	*	crmo	crmo	crmo	crmo
	S. Farnborough	981.2	-4	SSW	3	PR	46	85	6	8	6	3	9	10	1000	977.5	-30	EN	3	z	44	92	5	8	2	-	7-8	10	1200	2	*	crmo	crmo	crmo	crmo
	Boscombe Down	979.0	-10	S	3	bc	48	75	8	6	1	1	2-3	2000	976.1	-26	SE	4	rr	43	97	6	6	2	-	7-8	10	3000	1	*	crmo	crmo	crmo	crmo	
	Calshot (Soton.)	980.3	-6	SW	3	pr	48	85	7	8	-	-	7-8	7-8	1000	975.8	-36	SE	6	pr	48	85	6	8	2	-	9	10	800	1	2	crmo	crmo	crmo	crmo
	Lympe	983.7	-20	SSW	2	pr	46	92	6	9	-	-	10	10	600	980.9	-26	S	4	c	48	85	8	2	7	-	2-3	9	1500	1	3	crmo	crmo	crmo	crmo
	Manston	982.7	-10	S	4	pr	49	85	7	8	6	-	7-8	9	1900	980.7	-20	SE	5	bc	48	75	7	-	6	5	0	4-6	-	-	crmo	crmo	crmo	crmo	
2	Shoeburyness	982.3	-8	S	4	pr	50	85	6	9	3	7-8	9	1500	980.4	-24	S	2	bc	47	85	6	8	9	-	7-6	4-6	1500	1	*	crmo	crmo	crmo	crmo	
	Felixstowe	982.1	-10	SW	5	bc	51	75	8	3	6	3	1	2-3	800	981.5	0	SE	3	c	46	85	7	2	6	3	2-3	7-8	3000	1	2	crmo	crmo	crmo	crmo
	Gorleston	982.8	-4	S	4	z	48	75	6	8	-	-	7-8	7-8	1500	982.4	-2	S	4	z	47	85	6	5	-	-	2-3	4-6	1500	1	3	crmo	crmo	crmo	crmo
	Mildenhall	980.7	-8	S	3	z	47	75	7	8	7	-	7-8	9	3000	979.9	-2	SE	2	z	42	85	6	5	7	-	7-8	10	3000	1	*	crmo	crmo	crmo	crmo
	Cranwell	979.4	-8	S	4	c	47	85	7	5	-	-	9	9	2500	979.7	+6	S	3	z	41	92	6	-	-	1	0	Tr	-	0	crmo	crmo	crmo	crmo	
3	Birmingham	977.8	-10	SSE	3	c	45	85	6	5	7	-	9	9	1500	977.8	0	SE	2	z	43	85	6	5	1	-	4-6	10	2500	1	*	crmo	crmo	crmo	crmo
	Upper Heyford	979.5	-14	SW	3	c	47	85	8	8	6	-	4-6	9	1800	978.5	-10	SSE	3	c	42	92	7	4	1	7	2-3	10	3000	1	*	crmo	crmo	crmo	crmo
4	Ross-on-Wye	977.5	-8	S	3	bc	49	75	8	8	-	-	4-6	4-6	2500	976.7	-6	SE	2	c	45	75	6	5	-	-	2-3	9	2500	1	*	crmo	crmo	crmo	crmo
5	Hartland Point	975.7	+2	WSW	4	c	48	85	8	8	-	-	9	9	1500	975.1	-4	W	3	rr	44	92	8	8	2	-	7-8	9	1500	1	*	crmo	crmo	crmo	crmo
	Bristol ...	977.7	-8	SSW	4	bc	50	75	8	3	6	3	2-3	4-6	2000	976.3	-16	SE	1	rr	43	97	6	6	2	-	4-6	10	1000	1	*	crmo	crmo	crmo	crmo
	Portland Bill	980.2	-10	S	4	o	51	92	7	5	-	-	10	10	2500	975.0	-30	S	3	rr	50	92	7	5	-	-	10	10	1500	2	4	crmo	crmo	crmo	crmo
	Plymouth	977.7	-14	SW	3	ir	48	75	8	3	1	-	4-6	9	2000	975.1	-18	E	1	z	42	97	5	2	7	-	4-6	9	2000	1	1	crmo	crmo	crmo	crmo
	The Lizard	976.3	-20	SSW	3	o	49	65	8	8	2	-	9	10	1500	975.0	-8	SSW	4	c	47	85	8	8	6	-	7-8	7-8	2500	0	3	crmo	crmo	crmo	crmo
	Scilly (St. Mary's)	976.2	-20	SW	4	c	48	65	8	8	2	-	4-6	9	1000	964.6	-6	W	4	bc	46	65	8	4	4	-	4-6	4-6	1200	1	3	crmo	crmo	crmo	crmo
	Guernsey	974.1	+2	SW	5	bc	49	75	8	8	6	-	4-6	4-6	1400	974.4	0	SW	3	pr	47	75	1	8	-	-	9	9	1400	1	3	crmo	crmo	crmo	crmo
6	Pembroke	972.0	-10	SSW	4	c	47	85	8	8	-	-	9	9	2200	973.7	+14	SE	2	bc	43	92	8	2	3	4	2-3	4-6	2500	1	1	crmo	crmo	crmo	crmo
7	Holyhead	975.5	-12	SSE	4	z	47	75	6	5	9	-	2-3	4-6	2500	976.4	+10	SE	2	m	42	85	6	5	-	-	2-3	2-3	2800	1	*	crmo	crmo	crmo	crmo
8	Chester (Sealand)	976.8	-14	SE	4	z	47	75	6	7	-	-	9	9	2500	976.9	+10	SE	2	m	42	85	4	5	-	-	2-3	2-3	3000	1	*	crmo	crmo	crmo	crmo
	Manchester	973.6	-4	SSE	4	bc	48	85	7	4	-	-	4-6	4-6	4000	979.5	+2	SE	4	c	46	92	7	5	4	-	4-6	4-6	4000	1	*	crmo	crmo	crmo	crmo
10	Spurn Head	978.5	-12	SSE	2	c	45	85	8	8	-	-	2-3	9	1500	978.6	+6	SE	2	z	44	92	6	5	-	-	10	10	3600	1	*	crmo	crmo	crmo	crmo
	Catterick	979.5	-8	S	3	z	46	85	6	8	-	-	7-8	7-8	1500	979.6	+4	S	4	z	47	85	6	9	-	-	9	9	2200	1	3	crmo	crmo	crmo	crmo
	Tynemouth	978.5	-8	S	3	z	46	85	6	8	-	-	7-8	7-8	1500	979.6	+4	S	4	z	47	85	6	9	-	-	9	9	2200	1	3	crmo	crmo	crmo	crmo
11	St. Abbs Head	978.0	-2	SE	4	c	45	85	7	5	7	-	4-6	7-8	2500	978.0	+6	S	3	bc	41	92	7	4	4	-	2-3	2-3	2500	0	2	crmo	crmo	crmo	crmo
	Leuchars	978.2	-6	ESE	2	z	46	85	6	5	7	-	7-8	9	3500	978.3	+6	-	0	z	42	92	6	8	-	-	2-3	2-3	1400	1	*	crmo	crmo	crmo	crmo
12	Renfrew (Abbots L.)	976.5	-10	ESE	3	bc	46	75	6	5	3	-	4-6	4-6	3500	976.6	+6	E	3	z	43	85	5	5	-	-	2-3	2-3	3000	1	*	crmo	crmo	crmo	crmo
	Eskdalemuir	976.6	-8	SE	4	c	43	85	8	5	-	-	9	9	1500	976.8	+4	SE	3	c	42	85	4	5	-	-	10	10	450	1	*	crmo	crmo	crmo	crmo
	Point of Ayre	973.6	-14	SE	6	c	46	85	7	5	2	-	7-8	10	1500	974.3	+3	SSW	4	c	45	92	8	9	-	-	4-6	7-8	1500	1	3	crmo	crmo	crmo	crmo
13a	Tiree	975.1	0	E'S	4	c	46	85	8	5	-	-	9	9	1500	974.8	+2	ENE	4	c	46	85	8	5	-	-	9	9	2100	0	3	bc	c	bc	bc
13b	Stornoway	970.5	-16	ENE	6	c	45	85	8	5	7	-	7-8	9	1500	979.7	+6	E	4	c	48	75	7	5	7	-	7-8	9	2000	1	2	crmo	c	c	c
15	Dalwhinnie	979.3	-4	SSE	2	c	43	85	7	8	-	-	7-8	9	1500	979.3	+6	-	0	rr	39	92	6	5	1	-	7-8	10	800	1	*	crmo	c	c	c
	Aberdeen	979.8	-6	SSE	3	c	48	85	6	9	7	-	4-6	9	1500	980.5	+8	SSE	2	rr	45	92	4	5	-	-	10	10	4000	1	2	crmo	c	c	c
	Wick	980.6	-22	ESE	8	rr	47	85	7	5	2	-	7-8	10	800	980.9	+4	SSE	5	rr	47	92	7	5	2	-	9	10	800	1	3	crmo	c	c	c
16	Lerwick	980.2	-2	E'S	5	c	45	65	8	8	7	-	4-6	7-8	1500	988.9	-4	E	6	c	45	75	7	8	7	-	7-8	9	800	1	*	crmo	c	c	c
17	Blacksod Point	971.6	-4	SE	2	bc	42	92	8	4	-	-	2-3	4-6	1500	972.1	+12	E	3	b	42	97	7	4	-	-	1	1	1500	0	3	bc	bc	bc	bc
18	Malin Head	972.7	-6	SE	2	pr	43	92	8	6	7	-	4-6	9	1500	972.3	+2	E																	



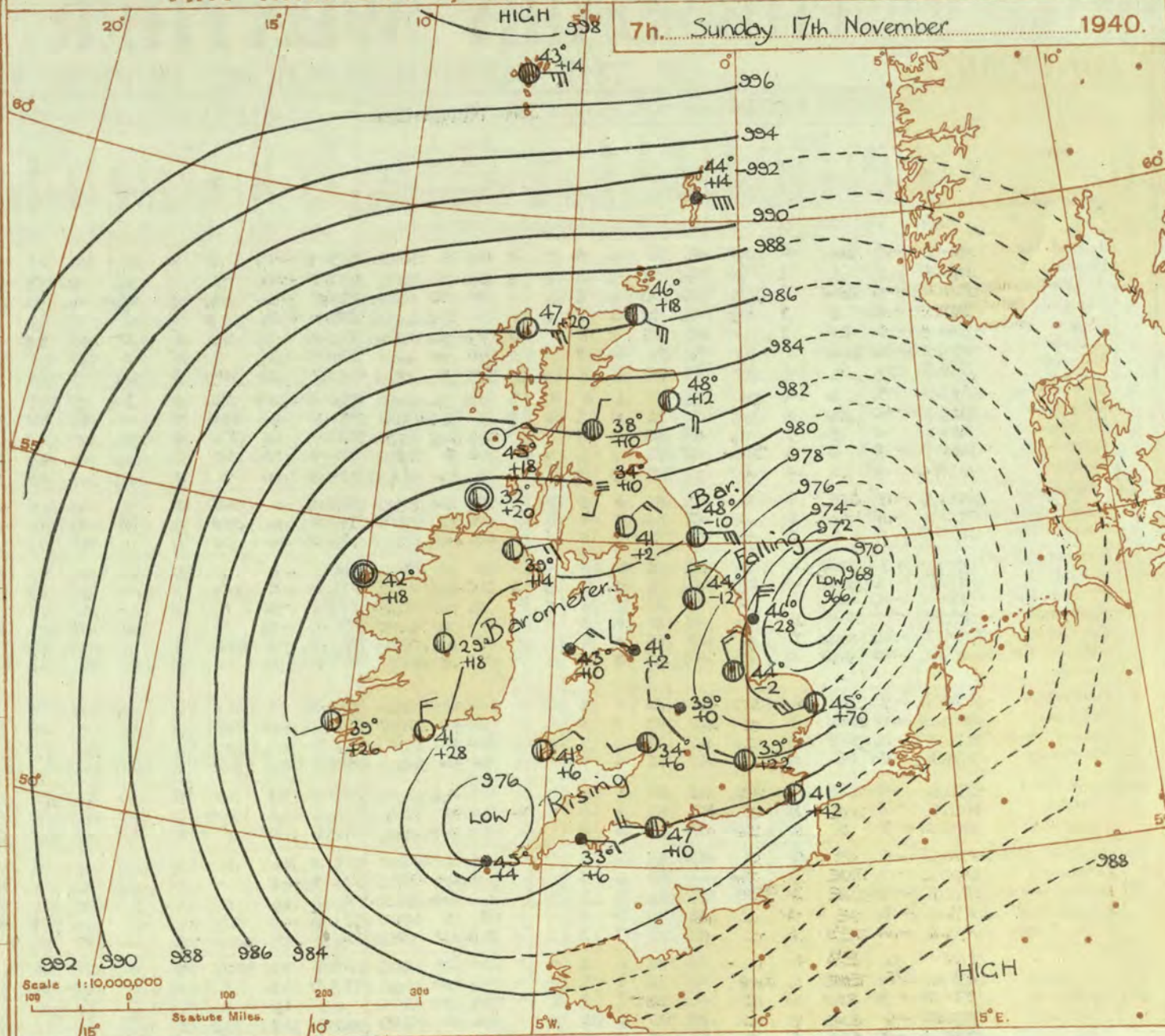
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 16th November				01h. G.M.T. 17th November				07h. G.M.T.			
IIIC	wwVhN	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN	DDFWN
109 80	10863	32283	6-	62648	10668	6-	61648	07668	8-	25647	42587
115 53	10854	02485	52	14844	41766	52	81844	41687	52	81844	41687
203 8-	01553	08213									
206 2-	00362	26112	57	12266	79645	83	25845	08285	8-	25856	06386
210			5-	22357	08187	57	81965	14387			
220 80	01954	12304							52	03755	08128
230 70	00851	06103				53	05665	12227	57	05763	00026
245 20	00861	22102	87	81755	10587	53	02756	08487	9-	58648	08468
260 00	05630	04104	50	05664	00024	53	05565	08116	87	81445	00087
277 8-	02847	10427	8-	02845	16388	40	02754	08487	50	05663	03326
279 --	01774	06314							--	05656	08216
285 23	02734	08316	6-	08428	10528						
288 57	02761	17216	5-	05657	11327	01	05590	32128	67	08434	03466
273 73	01753	08405							--	46209	09149
301 03	05530	12314	50	05662	14462	01	08490	08128	52	61542	32168
321 00	05530	14100	5-	05664	14324	51	05563	03298	62	64647	30368
299 51	05542	16103	5-	05644	16414	80	81744	16384	62	62645	04668
292 03	08490	10215	5-	05658	14128	50	47344	04218	5-	64628	36448
310 --	48103	16449									
316 00	44430	16241	50	08463	14213	52	62565	08328	52	66545	30168
333 57	02863	16526	8-	02855	16185	62	62644	06160	62	64645	22168
334 --	02753	12215									
340 70	05662	14313	84	01743	15214	52	62456	00068	62	64425	26268
136 10	01761	16302	86	01751	14312	52	62645	06468	62	64536	24268
396 14	02752	12417	63	63754	16417						
350 00	05630	14315							62	62638	22468
368											
379 53	05663	14314	02	61690	16228	62	64527	00068	57	05634	24327
390 03	05530	12114				62	52535	01468	57	05635	22368
382 54	05663	12414	86	25655	08186	02	64438	24268	57	02733	20267
438 86	02855	53587							8-	25745	20565
439 26	01854	16414	82	25644	14388	57	22635	24468	57	05653	00016
409 62	66526	13668	27	02753	16227	20	01854	16284	83	81844	00086

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>1</sub> C<sub>2</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.



### FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 17th November

DISTRICTS.	
1 S.E. England	Light or moderate southwest wind becoming north to northwest tomorrow.
2 E. England ...	Bright intervals, showers, local thunder. Local morning mist; average
3 E. Midlands ...	temperature.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Light variable winds becoming northeast to north moderate, fresh on
8 N.W. England	coasts. Cloudy, local rain, some bright intervals later; rather cold.
9 N. Midlands ...	
10 N.E. England	Moderate or fresh northeast wind, strong on coasts, backing north. Mainly
11 S.E. Scotland	cloudy, occasional rain, local thunder; rather cold.
12 S.W. Scotland	Moderate or fresh northeast wind, strong locally on coasts, backing
& Isle of Man.	slowly to north. Bright intervals, local showers, rather cold.
13 { A.W. Scotld. B.N.W.Scot- land.	As 10-11
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light variable winds, becoming northwest moderate or fresh, strong on
18 N. E. Ireland	coasts. Bright intervals, showers, local thunder; rather cold.
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 intense depression northeast of the Wash is moving north and will begin to fill up soon. In small centre in Polar air near Scilly will move east-northeast. There will be bright intervals and showers in the South with local thunder. In the North there will be considerable cloud with rain locally.

### FURTHER OUTLOOK.

Bright intervals and showers.

Warning of gales in operation in districts, 1, 2, 10, 11, 15 and 16.

Forecasts issued at 1030 G.M.T.

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

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

989/3955 24-10-40 10/100 5000 6/24 1/10.



# 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  
Sunday 17th November  
1940.

Clarke's Projection Scale 1:4X10<sup>7</sup> 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. (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

Sunday 17th November 1940.  
No. 28850

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.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	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).	State of Ground.			Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.		Night 18h-7h mm.																																																																																																																																																															
																																						Low.	Med.	High.	Low.	Total.	Low.	Med.	High.	Low.	Total.	Low.	Med.	High.																																																																																																																																																		
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (Stmntn.) ... Lympe ... Manston ...	18 217 226 417 8 346 154	* 30.0 30.0 30.0 30.0 30.0 30.0	* -3.0 -0.0 +0.0 +4.0 -4.0 -7.4	* E W W W S	* 1 4 4 4 4 4	* RR b b b b b	* 44 48 40 43 40 40 40	* 37 37 37 37 37 37 37	* 5 5 5 5 5 5 5	* * * * * * *	* * * * * * *	* * * * * * *	* * * * * * *	* 377.7 376.3 377.8 377.7 377.7 378.4 378.0	+28 +22 +22 +14 +12 +42 +46	SWW WNW SWS SWW W SW SWW	3 1 3 2 2 1 4	c c c c c c c	40 33 37 37 40 38 42	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35 35	32 37 32 32 32 35



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 18th November 1940.

No. 28851.

OBSERVATIONS at 13h. G.M.T. 17th November														OBSERVATIONS at 18h. G.M.T. 17th 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. 0-9 (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)	WEATHER.					
				Direc. (3)	Force. 0-12 (4)					Form.	Med. (10)	High (11)	Low (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force 0-12 (18)	Form.	Med. (24)	High (25)	Low 0-10 (26)			Total (27)	Height of Base (feet) (28)	7h.-13h. 17th (37)	13h.-18h. 17th (38)	18h. 17h. to 1h. 18h. (39)	1h.-7h. 18th (40)
1	London (Kew)...	979.6	+4	SW	4	bc	47	65	7	8	-	1	2-3	2-3	1500	981.1	+6	SE	1	ir	44	92	5	6	2	-	7-8	10	1500	1	*	cbcmabc	bcsmrmc	rrrmfsc	rrrmfsc
	Croydon ...	979.6	+6	SW	2	bc	49	65	7	2	4	-	4-6	4-6	2500	980.6	+10	-	0	cf+	44	97	3	5	-	-	7-8	7-8	2500	1	*	bcmb	prcf	rrrmfsc	rrrmfsc
	S. Farnborough	979.6	+2	SW	3	bc	49	65	7	2	6	6	2-3	4-6	3500	980.4	+4	E	1	c/pr	43	92	3	8	3	-	9	10	1600	2	*	cbbc	bcsmR	rrrmfsc	rrrmfsc
	Boscombe Down	979.6	+4	SW	4	c	49	65	7	2	7	8	2-3	7-8	3000	979.3	+2	NE	2	rr	42	97	5	6	2	-	7-8	10	1000	1	1	bcifprmc	bcsmR	rrrmfsc	rrrmfsc
	Calshot (Soton.)	979.6	+2	SW	3	c/pr	46	92	7	8	4	-	7-8	9	1200	978.5	-14	E/N	3	idem	45	97	4	5	-	-	10	10	1600	1	2	cbcmabc	prcf	rrrmfsc	rrrmfsc
	Lymington	981.8	+8	SW	2	bc	51	65	8	3	-	3	4-6	4-6	2500	982.6	+4	SW	3	c	48	95	5	2	-	-	9	9	2500	1	3	cprabc	bcsmR	rrrmfsc	rrrmfsc
	Manston	980.4	+6	SW	4	c	50	75	8	8	6	-	4-6	7-8	2500	982.5	+10	SE	2	zo	44	75	6	2	6	-	1	2-3	2000	1	3	bc	prcf	rrrmfsc	rrrmfsc
2	Shoeburyness	980.4	+6	SW	3	bc	51	75	8	2	-	-	2-3	2-3	1000	981.0	+6	SW	3	bc	46	85	7	7	-	-	2-3	4-6	4000	1	*	cbcb	bcsmR	rrrmfsc	rrrmfsc
	Felixstowe	979.7	+10	SW	4	b	47	75	7	1	-	3	4-6	4-6	2000	982.0	+14	SW	3	zo	47	85	6	4	3	-	4	4	3000	1	2	cbcmabc	prcf	rrrmfsc	rrrmfsc
	Gorleston	979.7	-22	SW	5	bc	47	75	7	4	7	7	2-3	4-6	1500	981.4	+16	SW	3	ba	45	75	6	5	-	-	4-6	4-6	2300	1	3	cbcb	bcsmR	rrrmfsc	rrrmfsc
	Mildenhall	977.9	+16	SW	4	c	48	75	7	8	-	2	4-6	7-8	2500	980.3	+14	SE	3	zo	43	75	6	-	4	-	0	2-3	-	1	*	cbcmabc	prcf	rrrmfsc	rrrmfsc
	Cranwell	978.7	+14	W	6	zo	41	75	6	5	-	-	10	10	1500	978.7	+20	WNW	6	rr	41	85	5	5	-	-	0	10	1000	1	*	rrrmfsc	prcf	rrrmfsc	rrrmfsc
3	Birmingham	977.9	+8	WSW	3	c	40	85	6	6	-	-	10	10	800	979.5	+8	SW	1	c	41	85	6	5	-	-	9	9	1500	1	*	rrrmfsc	prcf	rrrmfsc	rrrmfsc
4	Upper Heyford	978.9	+6	SW	3	bc	45	85	7	2	-	1	4-6	4-6	1000	980.6	+8	SW	1	bc	39	92	7	-	5	3	0	4-6	-	1	*	cbcmabc	prcf	rrrmfsc	rrrmfsc
	Ross-on-Wye	978.7	0	WSW	2	zo	46	75	6	2	-	6	2-3	7-8	2500	980.0	+6	-	0	bc	41	85	8	5	-	1	1	2-3	2500	1	*	cbcb	prcf	rrrmfsc	rrrmfsc
5	Hartland Point	978.7	+6	S	1	c	45	85	8	3	4	3	4-6	9	2300	980.3	+10	N	3	c	46	85	8	6	-	-	4-6	9	1500	1	3	bc	prcf	rrrmfsc	rrrmfsc
	Bristol ...	979.1	+6	SW	1	bc	48	75	8	3	1	6	1	4-6	2500	980.2	+10	S	2	rr	36	92	4	1	8	0	1	1	-	1	3	bc	prcf	rrrmfsc	rrrmfsc
	Portland Bill	979.5	+8	SW	3	rr	45	92	7	5	-	-	10	10	2500	978.2	-10	NE	3	rr	43	92	7	5	-	-	10	10	2500	1	3	rr	prcf	rrrmfsc	rrrmfsc
	Plymouth	978.6	-2	E	1	rr	42	92	8	3	7	-	1	9	1500	981.1	+22	NW	2	zo	42	85	6	3	6	-	4-6	7-8	1500	1	1	rr	prcf	rrrmfsc	rrrmfsc
	The Lizard	978.2	+8	NNE	2	bc	46	85	8	8	6	-	4-6	4-6	2500	982.0	+28	NW	2	c	43	85	8	8	-	-	7-8	7-8	2500	1	2	rr	prcf	rrrmfsc	rrrmfsc
	Scilly (St. Mary's)	979.2	+16	N	4	bc	48	75	8	8	4	3	4-6	4-6	1200	982.5	0	NW	4	c/pr	46	75	8	8	7	-	7-8	10	1200	1	3	rr	prcf	rrrmfsc	rrrmfsc
	Guernsey	979.0	+4	NW	4	c	47	85	8	8	6	-	4-6	7-8	2000	980.9	+10	N	3	c	44	92	7	8	6	-	7-8	9	1500	1	2	bc	prcf	rrrmfsc	rrrmfsc
6	Pembroke	979.0	+4	NW	4	c	47	85	8	8	6	-	4-6	7-8	2000	980.9	+10	N	3	c	44	92	7	8	6	-	7-8	9	1500	1	2	bc	prcf	rrrmfsc	rrrmfsc
7	Holyhead	977.4	+2	WSW	3	c/r	45	97	6	6	2	-	7-8	10	1100	979.0	+12	NNW	4	c	40	75	7	2	7	-	1	9	2700	1	2	rr	prcf	rrrmfsc	rrrmfsc
	Chester (Sealand)	976.8	+4	WNW	3	rr	44	92	6	6	2	-	9	10	600	977.7	+6	WNW	4	rr	45	92	5	-	2	-	10	10	1200	1	*	rr	prcf	rrrmfsc	rrrmfsc
8	Manchester	975.4	0	NW	3	rr	43	92	5	5	2	-	4-6	10	1500	977.1	+14	WNW	2	rr	44	92	4	5	7	-	9	10	2100	2	*	rr	prcf	rrrmfsc	rrrmfsc
10	Spurn Head	973.2	+6	SW	4	rr	43	97	6	6	-	-	10	10	1500	977.0	+12	S	5	0	42	92	7	5	-	-	10	10	1500	1	2	rr	prcf	rrrmfsc	rrrmfsc
	Catterick	973.9	-14	NNW	2	c/r	47	92	6	5	7	-	4-6	7-8	1500	974.1	+2	W	2	rr	45	85	7	5	-	-	9	9	1500	1	x	rr	prcf	rrrmfsc	rrrmfsc
	Tynemouth	973.9	-28	NE	6	c/pr	48	92	6	9	-	-	9	9	1500	971.3	-8	NW	3	zo	46	92	6	6	-	-	10	10	1500	1	4	rr	prcf	rrrmfsc	rrrmfsc
11	St. Abbs Head	977.9	-16	NE	7	rr	45	92	8	6	2	-	7-8	10	1500	974.9	-6	L	7	c/r	47	92	7	5	2	-	9	10	1500	1	4	rr	prcf	rrrmfsc	rrrmfsc
	Leuchars	980.9	-4	NNE	4	c	48	85	7	8	6	6	4-6	9	1800	979.3	-8	NE	6	rr	47	92	5	6	-	-	10	10	1500	1	*	rr	prcf	rrrmfsc	rrrmfsc
12	Renfrew (Abbots I.)	981.6	0	N	3	c/pr	45	85	9	8	7	6	4-6	10	1800	981.4	+2	N	4	bc	45	75	8	5	-	-	4-6	4-6	2000	1	*	rr	prcf	rrrmfsc	rrrmfsc
	Eskdalemuir	977.5	-12	NE	4	c	45	75	8	5	7	-	4-6	9	1500	975.5	-14	NE	5	c/r	43	97	7	5	-	-	4-6	4-6	1500	1	*	rr	prcf	rrrmfsc	rrrmfsc
	Point of Ayre	978.5	+2	N	4	c	43	85	8	4	7	7	4-6	9	2500	979.1	+4	N	5	c	48	85	7	5	-	-	7-8	7-8	2500	1	3	rr	prcf	rrrmfsc	rrrmfsc
13A	Tiree	983.5	+6	NE	4	bc	48	85	8	7	4	-	4-6	4-6	2800	985.4	+10	NNE	4	b	48	85	8	1	-	-	7	7	2500	0	3	bc	prcf	rrrmfsc	rrrmfsc
13B	Stornoway	986.8	+10	NE	4	c/pr	48	85	8	5	5	-	7-8	7-8	2500	988.9	+14	NE	4	c	46	85	7	5	7	-	7-8	9	2500	1	2	rr	prcf	rrrmfsc	rrrmfsc
15	Dalwhinnie	983.4	+4	ENE	2	rr	41	92	7	8	-	-	9	9	800	985.2	+4	ENE	2	c	40	92	7	5	1	-	4-6	10	1500	1	*	rr	prcf	rrrmfsc	rrrmfsc
	Aberdeen	983.4	-4	E	4	c/pr	48	85	7	8	-	-	9	9	1500	983.4	+4	E	5	c/pr	48	85	6	9	-	-	9	9	1500	1	3	rr	prcf	rrrmfsc	rrrmfsc
	Wick	986.9	+6	ENE	5	c	48	85	7	8	7	-	7-8	9	1500	986.4	+8	E	7	c	48	85	7	5	2	-	7-8	10	1500	1	3	rr	prcf	rrrmfsc	rrrmfsc
16	Lerwick	994.1	+10	E	7	c	44	85	7	8	2	-	7-8	10	1500	994.0	+4	E	7	c	46	75	7	8	7	-	7-8	10	1500	1	*	rr	prcf	rrrmfsc	rrrmfsc
17	Blackrod Point	984.2	+24	NNW	1	c	45	75	8	-	-	8	0	7-8	-	987.3	+20	NNW	2	c	48	92	7	5	-	-	10	10	2500	0	1	bc	prcf	rrrmfsc	rrrmfsc
18	Malin Head	982.4	+8	ENE	3	c	49	85	8	8	-	-	7-8	7-8	4000	983.9	+16	N	3	c	48	85	8	2	-	-	4-6	7-8	4000	0	3	c	prcf		

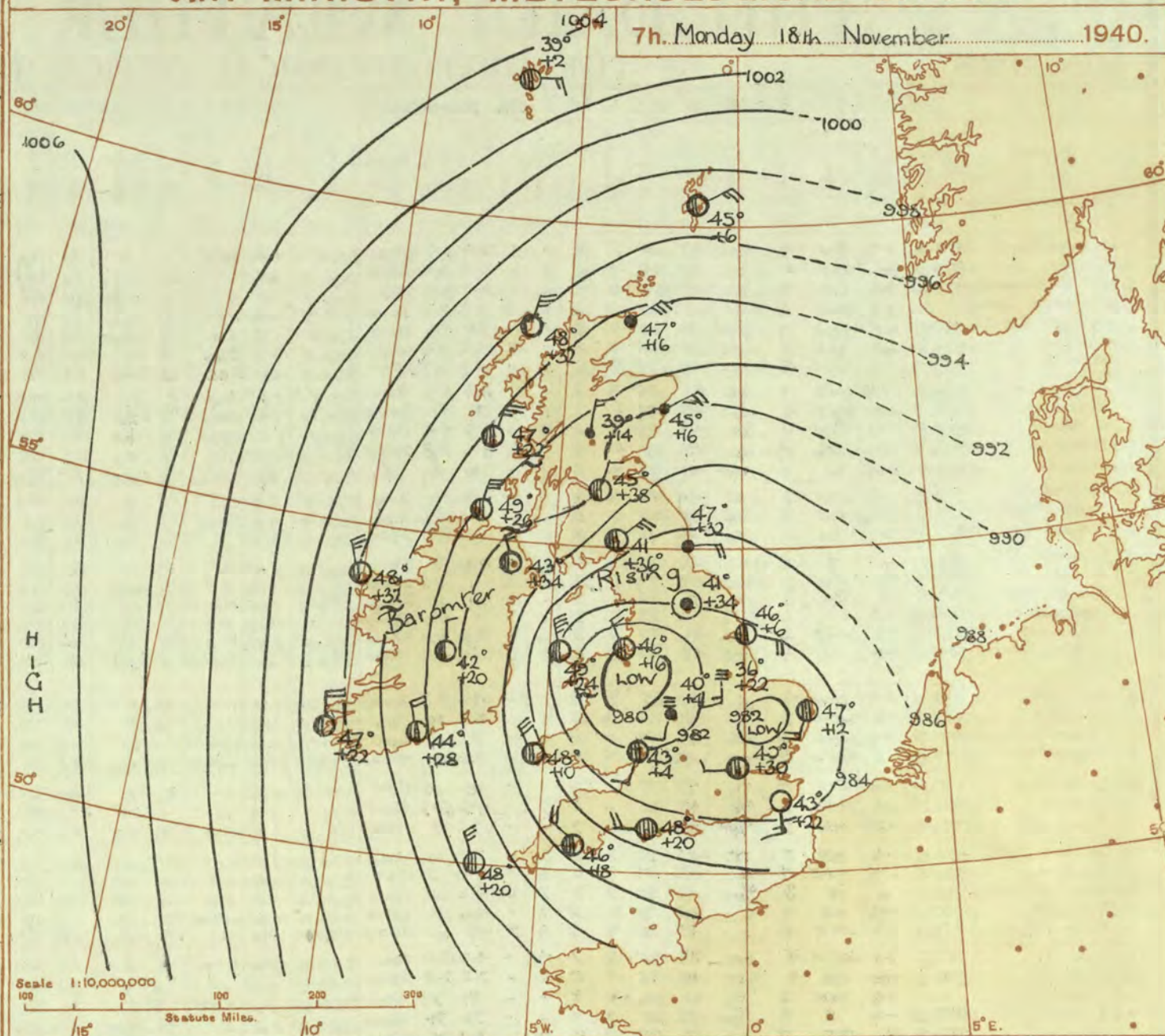


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13th. G.M.T. 17th. November 18th. G.M.T.				01th. G.M.T. 18th. November 07th. G.M.T.					
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	97	82647	08588	82	82646	41688	82	62545	40768
115	52	81844	41586	52	82734	41686	52	82724	41687
203									
206	87	27745	07287	87	81745	04588	8-	02846	02388
210	86	25855	06386	8-	25848	37688	8-	62645	04488
220	23	01962	64388	24	01753	06413		80	01744
230	63	01963	02715	54	02762	04416	50	02754	04415
245	97	25744	37687	6-	25648	37688	7-	27646	41786
260	57	02745	02488	62	64646	32468	52	62645	37368
277	57	02755	30327	57	02756	31428	57	02854	32526
279									
285							6-	64738	04168
288	87	81545	32467	5-	62548	20368	5-	62546	13368
273							5-	22447	02267
301	52	64544	32268	54	05564	30364	5-	02748	28468
321	6-	64348	27168	02	22548	18468	57	08462	17427
299	8-	02746	28386	5-	51438	20458	52	05635	18428
292	53	05664	30465	57	61645	22286	52	64426	14268
310							5-	08637	00067
316	51	64534	20268	52	62445	22468	5-	22558	6168
333	62	52654	10158	52	05644	00068	8-	25757	32587
334							--	03654	24128
340	62	64637	22168	62	62536	22268	62	51646	20168
136	8-	02746	77442	03	01790	18314	57	05661	12368
336							51	25743	28525
350	20	02854	20415						
368									
379	20	01755	22315	00	61790	20102	07	05500	30413
390	00	08490	20340				53	05555	10166
382				63	62655	00018	5-	04585	28215
438	00	01854	22414				3-	64638	24468
430	30	02863	18385	9-	82527	16288	5-	05657	32227
409	37	6364	28186	9-	81848	28188	23	02745	30498

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>M</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th. November 1940.

1 S.E. England	Light or moderate southwesterly or variable wind. Bright intervals and occasional showers. Local fog inland at night. Average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh or strong northwesterly wind, gale temporarily on coast. Bright intervals and occasional thunder showers. Cool.
6 South Wales ...	
7 North Wales ...	Strong north to northeast wind, moderating. Bright intervals and occasional showers. Cool.
8 N.W. England	
9 N. Midlands ...	Moderate easterly wind. Bright intervals and occasional showers. Cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh or strong northeasterly wind, moderating. Bright intervals. Occasional showers and local thunder. Cool.
13 { A. W. Scotland. B.N.W. Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Fresh or strong easterly wind, moderating. Bright intervals. Occasional showers and local thunder. Cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	Fresh or strong north to northwest wind. Bright intervals, occasional showers with local thunder. Cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

GENERAL INFERENCE.

A depression over Eastern Wales is moving south and filling up and is likely to turn eastward later. Another centre over eastern England is moving north and disappearing as a separate system. Weather will be generally showery and thunder may occur locally in the northwest and extreme southwest.

FURTHER OUTLOOK.

Bright intervals and showers. Local inland fog night and morning.

▲ Gale warnings issued for Dogger Bank area 02.55 on 17th for districts 10, 11, 14, 15, 16 at 08.40 on 17th and districts 6, 7 & part of 5 at 08.30 on 18th.

Forecasts issued at 10.30 G.M.T.

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

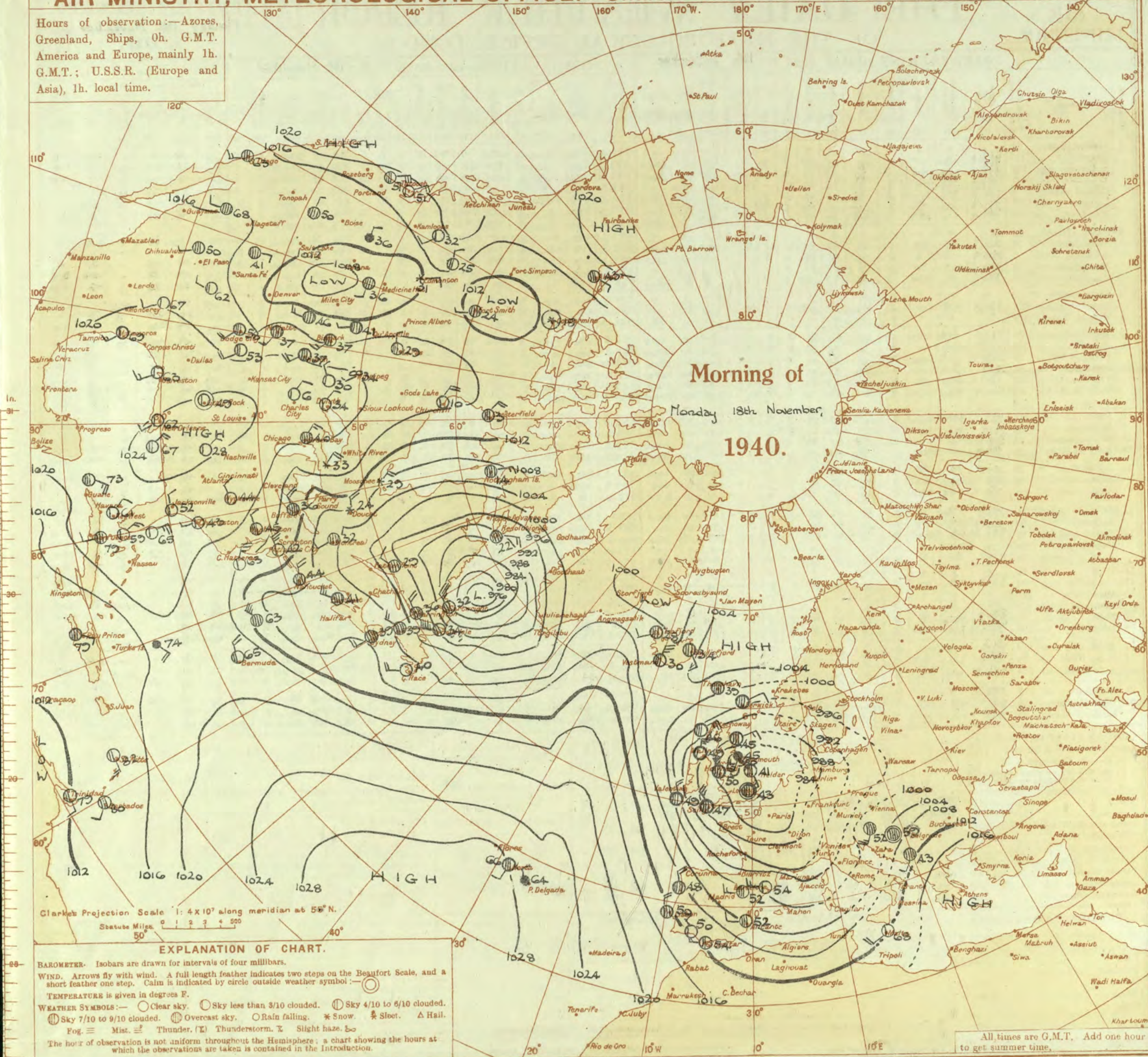
H.M.S.O. Press, Cornwall House, S.E.1.

568/3955. 9.40.43 D.3705. 9000. 9.44. 11/40.



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

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





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Monday 18th November 1940.  
 No. 2885.

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.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUN-SHINE Hrs.				
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.							
																																0-12	0-12		0-9	0-9	0-9	0-9
1	London (Kew)	18	979.8	-2	*	*	*	43	97	7	5	-	9	9	983.6	+26	WSW	2	z	41	92	5	5	3	-	4.6	9	2500	1	*	48	40	31	1	15	5.2		
	Croydon	217	979.8	-2	*	*	*	43	97	7	5	-	9	9	983.3	+30	W	1	c/r	40	97	5	5	9	-	4.6	9	2800	1	*	52	38	38	Tr	13	5.4		
	S. Farnborough	226	979.9	+10	NW	3	c	42	97	3	5	-	10	10	983.4	+20	SW	2	z	39	92	6	5	7	-	7.8	9	3500	2	*	49	37	34	3	9	4.8		
	Boscombe Down	417	981.4	+18	NW	2	bc	37	92	6	-	3	-	4.6	-	982.5	+10	W	3	pr	43	92	6	8	7	-	7.8	9	4000	1	*	47	36	33	2	1	4.1	
	Calshot (St. Mary's)	8	980.3	+22	NW	4	z	48	92	5	5	-	10	10	984.1	+14	SW	1	z	42	92	6	5	7	-	5	9	3500	1	2	51	40	39	5	0.2	2.5		
	Lympe	346	981.8	-6	SW	3	pr	46	92	6	8	-	10	10	984.2	+22	S	3	bc	43	97	8	9	-	-	4.6	4.6	1800	1	*	5	41	39	1	3	3.7		
	Manston	154	981.4	-6	SE	5	c/d	46	85	7	8	6	-	7.8	9	983.5	+16	S	4	bc/pr	44	75	8	3	6	3	4.6	4.6	2500	1	*							
2	Shoeburyness	11	981.8	-4	SE	5	z	47	85	6	5	3	-	7.8	9	982.3	+8	SSW	4	c	47	85	7	8	-	-	9	9	2000	1	2	49	44	37	-	3	*	
	Gorleston	5	982.2	-4	S	5	c	46	85	6	5	-	9	9	983.2	+12	SSW	4	c/r	47	85	6	8	-	-	7.8	9	2000	1	3	49	44	37	-	0.1	3.4		
	Mildenhall	19	980.7	-4	SE	2	c	45	85	7	-	3	-	0	9	981.8	+10	SE	5	z	44	97	6	5	-	-	9	9	3000	1	*	48	44	37	-	0.1	3.4	
	Cranwell	240	980.7	0	SSE	3	z	39	92	5	5	-	9	9	983.5	+22	S	3	F	36	97	1	-	-	-	10	10	4150	1	*	45	35	30	9	Tr	0.0		
3	Birmingham	535	981.4	+4	WNW	2	bc	37	92	7	-	5	-	0	2.3	-	983.0	+8	SW	2	z	36	97	6	5	7	-	7.8	9	2000	1	*	49	34	26	-	-	4.6
4	Upper Heyford	408	981.4	+4	WNW	2	bc	37	92	7	-	5	-	0	2.3	-	983.0	+8	SW	2	z	36	97	6	5	7	-	7.8	9	2000	1	*	49	34	26	-	-	4.6
	Ross-on-Wye	223	981.4	+4	WNW	2	bc	37	92	7	-	5	-	0	2.3	-	983.0	+8	SW	2	z	36	97	6	5	7	-	7.8	9	2000	1	*	49	34	26	-	-	4.6
5	Hartland Point	299	983.6	+14	NNW	4	pr	47	85	8	8	2	-	7.8	10	986.5	+16	NNW	5	c	48	85	8	8	-	-	7.8	7.8	1500	1	4	47	43	42	Tr	Tr	0.3	
	Bristol	209	981.9	+6	W	1	z	39	97	5	5	7	-	7.8	10	983.8	+10	W	4	pr	45	92	6	8	-	-	9	9	2200	1	*	50	35	25	-	0.1	4.9	
	Portland Bill	32	982.1	+14	WNW	4	c	44	92	7	5	-	10	10	984.6	+20	W	4	c	48	92	7	5	-	-	10	10	1000	1	3	50	41	*	6	4	*		
	Plymouth	82	984.6	+14	WNW	2	bc/pr	42	92	6	9	3	3	4.6	4.6	987.8	+18	NW	4	c	48	75	6	8	-	-	9	9	2500	1	2	48	39	32	5	1	0.7	
	The Lizard	240	985.4	+16	NW	5	c	47	85	8	8	2	-	7.8	9	989.1	+10	NW	5	bc	47	85	8	8	6	-	4.6	4.6	2500	1	4	49	42	32	5	1	3.8	
	Scilly (St. Mary's)	163	986.4	+20	NW	5	c	47	75	8	8	2	-	Tr	9	990.4	+20	NW	5	c	48	75	8	8	6	-	4.6	7.8	1200	1	3	49	44	*	0.1	1	3.8	
	Guernsey	175																																				
6	Pembroke	142	983.1	+10	NW	5	c	47	92	7	8	7	-	4.6	7.8	986.7	+10	NW	6	c/r	48	85	7	8	-	-	9	9	2000	1	2	49	42	*	1	3	4.7	
7	Holyhead	26	980.1	+2	NW	7	c	50	85	8	5	-	10	10	1000	983.2	+24	NW	7	z	49	85	6	8	3	-	9	10	2500	1	4	49	48	46	6	-	0.0	
	Chester (Sealand)	16	978.8	0	WNW	2	c/d	47	85	6	5	2	-	9	10	979.8	+16	NNW	3	c	46	92	6	5	2	-	9	10	2500	1	*	45	47	41	19	3	0.0	
8	Manchester	70	978.3	0	SSW	3	c/pr	45	92	6	8	-	9	10	980.9	+28	EN	3	c/r	44	92	3	6	2	-	4.6	10	1000	2	*	44	41	38	10	6	0.0		
10	Spurn Head	29	980.7	+8	SE	3	c	43	92	7	4	-	2	4.6	7.8	982.2	+6	ESE	4	c/pr	46	92	7	3	3	-	2.3	9	4000	1	2	47	41	*	9	2	0.0	
	Catterick	175	978.1	+26	SE	3	bc	42	97	5	5	-	10	10	984.8	+34	-	0	bc	41	97	4	5	7	-	3	10	1200	1	*	47	40	39	5	2	0.1		
	Tynemouth	108	979.9	+44	SSW	5	rr	48	97	6	6	-	10	10	985.2	+32	E	4	ir	47	92	7	6	-	-	10	10	1200	1	2	49	45	39	5	13	*		
11	St. Abbs Head	280	981.8	+36	E	7	bc	46	85	7	5	2	-	7.8	10	987.2	+26	NE	3	c	47	85	8	3	4	4	4.6	7.8	2000	0	3	48	43	*	3	3	*	
	Leuchars	36	984.3	+26	NE	6	z	48	75	6	6	3	-	7.8	10	988.8	+22	NNW	2	pr	43	92	7	8	-	-	9	9	1200	1	*	49	42	39	5	4	0.0	
12	Renfrew (Abbots L.)	19	983.9	+16	NNE	3	c/r	45	85	7	5	7	-	9	9	990.1	+38	NE	5	bc	45	75	8	5	3	-	7.8	7.8	4500	1	*	47	43	34	0.3	1	0.0	
	Eskdalemuir	794													987.0	+36	NE	5	bc	41	85	6	5	3	-	2.3	4.6	1500	1	*	45	41	39	8	8	0.0		
	Point of Ayre	30	978.7	0	N	6	c	47	92	7	5	4	-	2.3	7.8	985.5	+34	NE	6	c	48	85	7	5	1	-	7.8	9	2500	1	4	49	46	*	Tr	Tr	0.0	
13A	Tiree	22													993.0	+32	N'E	5	b	48	85	8	1	4	-	Tr	1	3500	1	4	49	47	*	-	Tr	0.1		
13B	Stornoway	80	992.2	+8	NE	5	c	46	85	7	5	7	-	7.8	9	996.2	+22	NNE	5	z	47	85	7	5	7	-	7.8	9	2000	1	3	48	45	*	Tr	Tr	2.4	
15	Dalwhinnie	1176													992.6	+14	NNE	3	ir	39	97	5	5	-	2	10	10	800	1	*	41	36	41	0.4	3	0.3		
	Aberdeen	79													990.0	+16	ENE	4	rr	45	92	6	6	2	-	7.8	10	1500	1	3	48	43	41	3	13	0.0		
	Wick	81	990.7	+12	E	8	c/r	47	85	7	5	2	-	7.8	10	993.6	+																					



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Tuesday 19th November, 1940.  
 No. 28,852.

OBSERVATIONS at 13h. G.M.T. 18th November														OBSERVATIONS at 18h. G.M.T. 18th 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 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)	Direc.	Force. 0-12 (18)			Form.	Amount Low 0-10 Total 0-10 (24) (25)					Height of Base (feet) (28)	7h.—13h. 18th Nov. (37)	13h.—18h. 18th Nov. (38)	18h.—19h. 19th Nov. (39)	1h.—7h. 19th Nov. (40)								
1	London (Kew)...	385.5	+10	SSE	2	ir	46	85	5	5	-	10	1500	380.2	+32	NNW	2	of	44	92	2	5	-	-	10	10	1500	1	*	cmwldsm	errrofc	effcm	cm		
	Croydon ..	384.6	+2	SSE	1	c/d	44	97	5	7	-	4-6	10	2500	383.1	+40	-	0	43	97	2	6	-	-	10	10	1000	2	*	cmwldsm	errrofc	effcm	cm		
	S. Farnborough	385.3	+8	W'S	3	ir	46	92	6	5	7	-	4-6	10	1400	380.6	+40	NNW	3	ir	44	92	3	5	-	-	10	10	800	2	*	cmwldsm	errrofc	effcm	cm
	Boscombe Down	385.2	+10	W	4	ir	46	85	6	6	2	-	4-6	10	2000	381.4	+44	NNW	4	c/r	43	85	5	5	2	-	7-8	10	800	1	*	cmwldsm	errrofc	effcm	cm
	Calshot (Soton.)	385.2	+2	WNW	4	c	40	85	7	7	7	-	7-8	9	3500	380.5	+40	NW	5	45	85	5	5	-	-	10	10	3000	1	3	cmwldsm	errrofc	effcm	cm	
	Lympne ...	386.8	+10	SSW	1	c	47	85	7	8	-	-	9+	9+	2000																				
	Manston ...	386.0	+8	bc	bc	bc	49	75	7	3	6	3	1	3000	387.3	+12	SSE	2	pr	45	92	5	8	-	-	9+	9+	2600							
2	Shoeburyness ...	386.1	+6	SW	2	c	46	85	6	5	3	-	4-6	9	4000	380.1	+24	SE	1	c	44	97	5	5	-	-	10	10	4000	1	*	cmwldsm	errrofc	effcm	cm
	Felixstowe ...	386.0	+13	SW	3	ir	45	92	4	5	-	-	10	10	800	380.7	+22	N	1	m	44	92	4	8	3	-	4-6	9	2300	1	1	cmwldsm	errrofc	effcm	cm
	Gorleston ...	385.5	+10	SE/E	4	pr	48	75	6	8	-	-	7-8	7-8	1500	380.0	+12	SW'S	1	c	45	85	5	8	-	-	7-8	7-8	1500	1	2	cmwldsm	errrofc	effcm	cm
	Mildenhall ...	385.5	+18	-	0	ir	45	97	5	5	-	-	9	8	800	380.5	+26	NW	2	ir	44	97	5	2	-	-	9	10	1000	1	*	cmwldsm	errrofc	effcm	cm
	Cranwell ...	386.6	+20	NNW	3	f	43	97	2	5	-	-	10	10	1500	381.1	+30	N	3	m	43	97	4	5	-	-	2-3	2-3	2500	1	*	cmwldsm	errrofc	effcm	cm
3	Birmingham	387.2	+38	NNE	3	c	42	92	3	6	-	-	10	10	800	382.3	+26	NNW	3	ir	44	92	5	6	-	-	10	10	450	1	*	cmwldsm	errrofc	effcm	cm
	Upper Heyford	385.4	+14	-	0	ir	43	97	4	6	2	-	9	10	400	381.1	+32	NNW	1	ir	42	97	4	-	2	-	10	10	800	1	*	cmwldsm	errrofc	effcm	cm
4	Ross-on-Wye ...	386.8	+32	N	4	m/r	44	97	4	5	-	-	10	10	800	382.5	+26	NNW	3	ir	45	85	5	5	-	-	10	10	800	1	*	cmwldsm	errrofc	effcm	cm
5	Hartland Point	380.3	+14	NW	6	c/r	49	92	7	8	2	-	4-6	9	1500	385.5	+36	N	5	bc	49	92	7	3	6	-	2-3	2-3	1500	1	4	cmwldsm	errrofc	effcm	cm
	Bristol ...	386.7	+22	WNW	4	ir	46	85	6	5	2	-	9	10	1300	383.0	+30	NNW	3	c/d	45	85	4	5	2	-	9	10	1400	1	4	cmwldsm	errrofc	effcm	cm
	Portland Bill ...	386.7	+2	NW	4	c	50	92	7	5	-	-	10	10	4000	384.3	+46	NW	4	c	47	85	7	5	-	-	10	10	2500	1	4	cmwldsm	errrofc	effcm	cm
	Plymouth ...	380.6	+6	WNW	5	pr	51	85	7	8	-	-	9	9	2000	385.4	+36	NNW	4	z	48	85	8	3	-	-	2-3	2-3	1500	1	3	cmwldsm	errrofc	effcm	cm
	The Lizard ...	382.2	+12	NW	7	c/r	51	75	8	8	6	-	7-8	7-8	2500	385.9	+12	NW	7	c	49	75	8	8	-	-	7-8	7-8	2200	1	3	cmwldsm	errrofc	effcm	cm
	Scilly (St. Mary's)	384.4	+14	NW	5	c	50	75	8	8	6	-	4-6	7-8	1500	386.9	+26	NNW	5	c	50	75	8	8	6	-	4-6	7-8	1500	1	4	cmwldsm	errrofc	effcm	cm
	Guernsey ...																																		
6	Pembroke ...	386.1	+12	NNW	6	pr	49	85	7	8	6	-	7-8	9+	2000	385.3	+28	NW	5	bc	48	85	7	8	-	-	4-6	4-6	2000	1	3	cmwldsm	errrofc	effcm	cm
	Holyhead ...	380.3	+38	NW	7	bc	50	85	7	8	6	-	4-6	4-6	2400	385.5	+28	N	6	c	50	75	7	8	-	-	9	9	1600	1	4	cmwldsm	errrofc	effcm	cm
	Chester (Sealand)	386.4	+32	NNW	4	ir	47	85	5	5	2	-	7-8	9+	2700	383.8	+30	NNW	4	c	47	85	6	5	-	-	9	9	2500	1	*	cmwldsm	errrofc	effcm	cm
8	Manchester ...	387.8	+30	N	3	z	48	75	6	5	3	1	4-6	7-8	1800	383.1	+30	NW	2	z	46	85	5	5	-	-	9	9	2500	1	*	cmwldsm	errrofc	effcm	cm
10	Spurn Head ...	386.4	+8	NE	2	c	49	85	7	4	6	-	4-6	7-8	4000	381.6	+18	NE	4	c	47	85	7	5	-	-	10	10	4000	1	2	cmwldsm	errrofc	effcm	cm
	Catterick ...	389.2	+22	N	3	ir	45	92	5	5	2	-	4-6	10	800	384.0	+30	N	3	pr	44	92	5	8	-	-	7-8	7-8	2200	1	*	cmwldsm	errrofc	effcm	cm
	Tynemouth ...	380.2	+16	NNE	4	c/pr	46	92	7	2	-	-	9	9	2400	384.0	+24	N	4	c/pr	46	92	7	6	-	-	10	10	1200	1	2	cmwldsm	errrofc	effcm	cm
11	St. Abbs Head	380.3	+6	NNE	3	ir	45	85	8	5	5	-	7-8	10	1500	385.1	+18	E	3	c	45	92	8	5	2	-	7-8	9	1500	1	3	cmwldsm	errrofc	effcm	cm
	Leuchars ...	382.5	+14	NNW	2	c/r	45	85	8	5	2	-	7-8	10	2200	387.0	+42	NNE	3	ir	44	97	7	5	-	-	9	10	1200	1	*	cmwldsm	errrofc	effcm	cm
12	Bentley (Abbots L.)	384.4	+18	NW	3	c	48	75	9	8	7	-	4-6	9+	1500	387.8	+2	NW	4	c	47	75	9	5	-	-	7-8	7-8	4000	1	*	cmwldsm	errrofc	effcm	cm
	Eskdalemuir ...	381.8	+18	NE/N	4	pr	42	85	7	5	-	-	10	10	800																				
	Point of Ayre ...	381.7	+20	NE/N	6	bc	48	85	8	5	4	-	2-3	4-6	2500	386.6	+24	N/E	5	c	49	85	8	4	7	-	4-6	9	2500	3	3	cmwldsm	errrofc	effcm	cm
13A	Tiree ...	387.3	+12	N/E	5	bc	50	85	8	7	6	-	2-3	2-3	3500	1001.1	+26	N	5	b	48	75	8	1	4	-	7	1	3500	0	4	bc	bc	bc	bc
13B	Stornoway ...	380.4	+12	N	4	c	47	75	8	5	-	-	9+	9+	2600	1001.9	0	N	3	c	44	75	8	5	-	-	9+	9+	2600	1	2	pr	c	c	c
15	Dalwhinnie ...	383.0	+12	NNE	4	c	40	85	7	9	-	-	9+	9+	1500	383.4	+26	NE	4	ir	39	92	7	5	1	-	4-6	10	1500	7	*	cmwldsm	errrofc	effcm	cm
	Aberdeen ...	381.3	0	N	4	c/pr	45	97	7	9	-	-	10	10	1500	383.2	+28	N/E	3	c/pr	44	97	7	9	2	-	7-8	10	1500	1	4	cmwldsm	errrofc	effcm	cm
	Wick ...	386.3	+18	NE	6	ir	46	75	8	5	7	-	7-8	10	1500	380.0	+18	NNW	3	pr	46	85	7	3	7	-	7-8	9	800	1	2	cmwldsm	errrofc	effcm	cm
16	Lerwick ...	388.1	+6	NE	5	c	46	85	8	8	7	-	7-8	9	1500	1000.2	+8	NNE	3	ir	43	92	7	5	2	-	7-8	10	800	1	*	cmwldsm	errrofc	effcm	cm
17	Blacksod Point...	1000.7	+20	NW	5	bc	50	85	8	3	-	-	4-6	4-6	1500	1004.5	+24	N	3	b	48	85	7	4	4	-	1	1	1500	0	4	bc	bc	bc	bc
18	Malin Head ...	387.0	+22	N	5	c	50	85	8	2	6	-	4-6	7-8	4000	1001.3	+30	N	5	bc	49	85	8	5	6	-	2-3	4-6	5700	0	4				



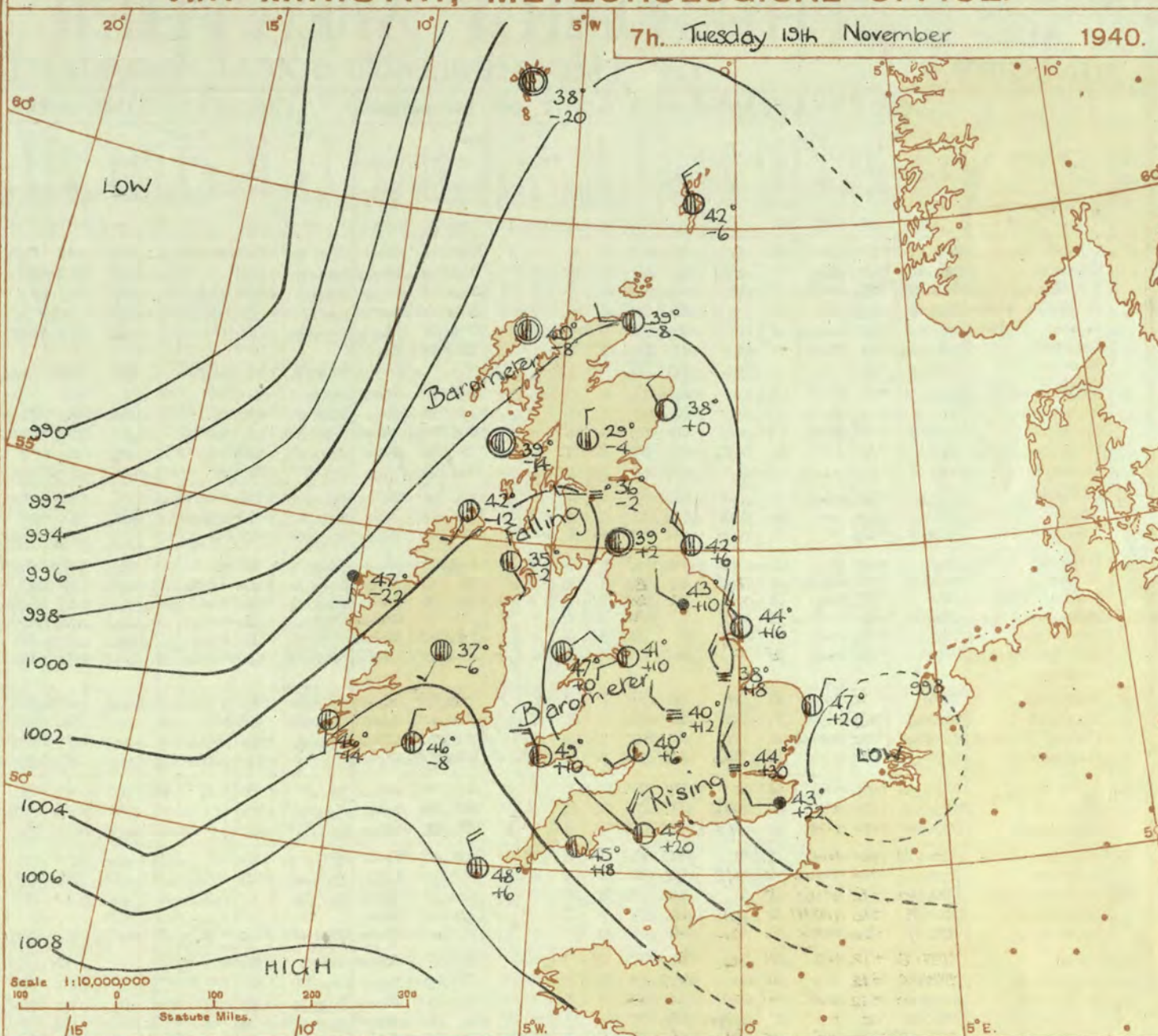
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 13th November				18h. G.M.T.				01h. G.M.T. 14th November				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	87	02855	03526	40	01753	04113	5-	01264	20214	50	01865	18115			
115								52	02854	32227	53	02854	15227		
203															
206	87	25855	25287	53	25854	30185	5-	02865	00025	57	02863	26225			
210	52	62746	35588	52	62747	02168				53	01863	00024			
220				53	01753	04103				51	02763	00128			
230	87	02855	02416	46	00862	02313	00	00920	32100						
245	5-	52848	02468	5-	22658	37568	54	02865	28168	55	01862	25224			
260	52	61855	32368	52	61746	30368	53	02865	00027	5-	05657	00027			
277	87	02854	32517	04	01850	32584	50	00751	30221	50	02764	26128			
279										5-	02756	00026			
285	3-	02736	30466	6-	63638	32468				23	01634	28385			
288	57	64546	02367	5-	63434	28268	5-	81447	30187	5-	08447	20187			
273	48	01761	30303												
301	57	61853	04367	5-	05567	00227	5-	02776	32116	00	05430	00013			
321	57	02767	30356	5-	05658	31428	00	05500	30310	03	45200	27146			
290	8-	02746	10316	50	01743	07813	57	01743	32214	5-	02746	00036			
292	86	02845	32486	8-	81656	30386	07	05430	30184	57	05564	28215			
310	--	53428	04328							--	01533	26325			
316	5-	45138	32328	5-	08448	32358	50	05554	32214	03	47300	30142			
333	2-	25747	02888	5-	02785	02625	23	02766	02217	47	02061	30127			
334	--	02645	32168							--	02544	00026			
340	5-	08438	30308	87	25446	30336	50	05665	32415	53	08453	30315			
136				86	05564	05115	53	05663	04216	86	25755	31286			
336	51	61645	32568	42	03755	04428				10	01753	32813			
350	02	22448	04268							50	08357	28267			
368															
379	6-	67318	04268	6-	45328	32348	5-	05537	30427	5-	05537	28327			
390	5-	67318	00048	--	48100	24160				5-	05548	20328			
382	52	62536	00068	5-	05548	26128	5-	45348	28348	5-	08447	28427			
438	8-	10748	25228							80	25755	32385			
430	5-	05648	24228	5-	51658	28258	5-	08447	20328	53	05545	28327			
409				9-	81747	31387	50	08852	30532						

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 C<sub>M</sub> = Total amount of cloud—See M.O. 252.  
 C<sub>M</sub>, C<sub>N</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility, E = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th November, 1940.
1 S.E. England	Wind backing southwest or south, light at first, then freshening; cloudy, rain spreading east tonight, reaching extreme southeast early tomorrow; local fog at first; rather cold today, milder tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Freshening south to southwest wind, strong locally later; dull, rain at times; becoming milder.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind becoming south, light to moderate; cloudy, rain spreading east; local fog at first; rather cold today, milder tomorrow.
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.	As 5-7.
14 Mid Scotland	
15 N. E. Scotland	Light south wind freshening, mainly fair at first; rain spreading east later; Average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 5-7.
19 S. E. Ireland	
20 S. W. Ireland	

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

**GENERAL INFERENCE.**  
 A depression over West Iceland will move slightly north and a trough of low pressure now off West Ireland will cross the British Isles, with rain generally. Vigorous secondaries far out in the Atlantic will move east and produce a mild stormy southwest type in our area.

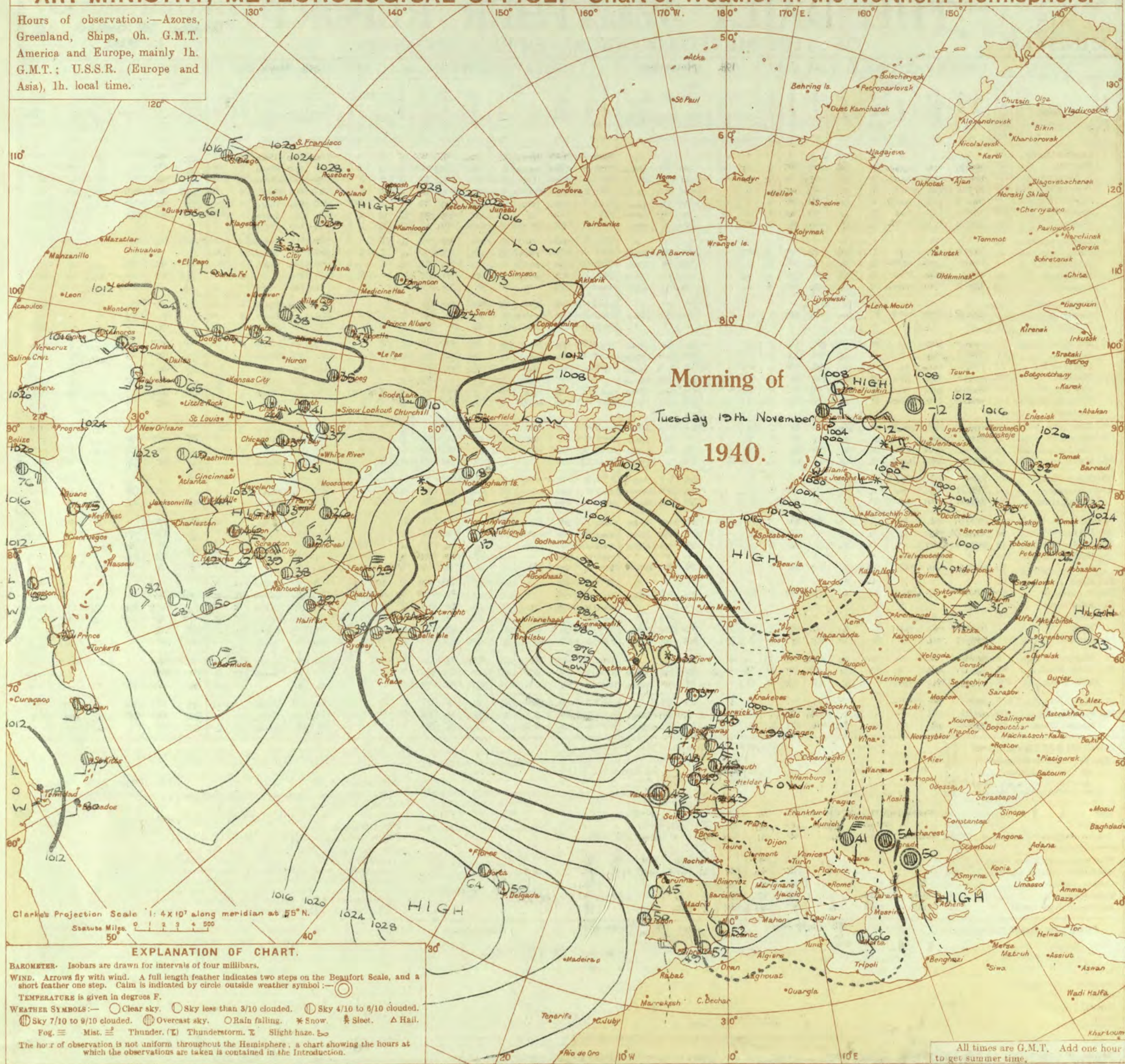
**FURTHER OUTLOOK.**  
 Very unsettled, with strong southwest winds or gales in most areas. Milder than of late.

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



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

Hours of observation:—Azores, Greenland, Ships, 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. (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.		SUNSHINE Hrs. (36)		
					Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount.		Height of Base. (feet) (14)	Direc. (17)			Force 0-12 (18)	Form. (23)					Amount.		Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)				
												Low. (10)	Med. (11)											High (12)	Low 0-10 (13)									Total 0-10 (14)		Low (24)	Med. (25)
1	London (Kew)	18	994.3	+14	WNW	1	f	43	97	3	*	*	*	1000.2	+24	NNW	2	z	45	85	5	5	-	-	10	1500	1	*	45	42	33	8	-	0.0	0.0		
	Croydon	217	994.3	+14	WNW	3	f	43	97	3	*	*	*	999.7	+30	NNW	2	m	44	92	4	5	2	-	1	10	800	1	*	44	41	39	7	0.3	0.0		
	S. Farnborough	226	996.2	+22	WNW	3	f	44	92	3	*	*	*	100.10	+26	NW	3	z	43	92	5	5	7	-	9	10	900	1	*	47	42	37	3	0.4	0.0		
	Boscombe Down	417	997.3	+22	WNW	3	z	43	92	6	*	*	*	1001.8	+22	WNW	1	z	40	92	6	5	3	-	2.3	1.6	2000	1	*	46	39	35	2	0.1	0.0		
	Calshot (Stmntn.)	8	996.8	+22	WNW	3	z	46	85	6	*	*	*	1001.3	+22	NW	2	z	43	92	6	5	4	-	2.3	1.6	4500	1	*	42	42	39	0.5	0.3	0.0		
	Lympe	346	994.4	+22	SW	2	m	44	85	4	*	*	*	998.9	+22	W	2	pr	43	97	5	6	2	-	9	10	900	1	*	40	35	-	Tr	0.7	0.0		
	Manston	154	994.0	+22	WNW	3	of	44	92	3	*	*	*	998.4	+22	WNW	4	do	44	92	5	5	2	-	9	10	500	1	*	40	35	-	Tr	0.7	0.0		
2	Shoeburyness	11	993.8	+18	N	3	cf	43	97	3	*	*	*	999.4	+22	NW	3	c	43	97	6	5	-	-	9	9	4000	1	*	48	42	39	1	Tr	0.7	0.0	
	Felixstowe	15	993.8	+20	ENE	3	c/r	46	85	6	*	*	*	998.1	+26	NNW	3	id	43	97	6	5	3	-	2.3	9	4000	1	2	50	43	34	0.6	2	1.1	0.0	
	Gorleston	5	994.8	+20	ENE	3	c/r	46	85	6	*	*	*	998.4	+20	NEW	1	c	47	92	6	5	-	-	9	9	1600	1	2	50	43	34	0.6	2	1.1	0.0	
	Mildenhall	19	994.6	+20	NW	2	m/f	41	97	4	*	*	*	999.1	+22	NNW	3	z	41	97	6	1	-	-	0	7.8	-	1	46	39	30	0.2	2	0.0	0.0		
	Cranwell	240	996.8	+22	NNW	4	m	41	97	4	*	*	*	1001.0	+18	NNW	3	F	38	97	1	-	-	-	10	10	1500	1	*	43	37	36	0.2	Tr	0.0	0.0	
3	Birmingham	535	996.8	+28	NNE	3	m	43	92	4	*	*	*	1002.0	+12	NW	2	bef	40	97	3	5	-	-	4.6	4.6	4000	1	*	44	39	33	4	1	0.0	0.0	
	Upper Heyford	408	996.8	+28	NNE	3	m	43	92	4	*	*	*	1001.3	+20	NNW	2	m	41	97	4	5	-	-	10	10	600	1	*	43	41	38	5	1	*	0.0	
4	Ross-on-Wye	223	996.8	+28	NNE	3	m	43	92	4	*	*	*	1002.1	+6	SW	1	b	40	92	7	5	-	-	1	1	2500	1	*	47	40	31	1	0.0	0.0	0.0	
5	Hartland Point	299	1000.1	+12	N	4	c	48	92	8	*	*	*	1002.9	+10	NNW	4	bc	48	85	8	8	-	-	4.6	4.6	2000	1	4	49	45	45	0.4	3	0.0	0.0	
	Bristol	209	998.8	+18	N	3	z	44	85	6	*	*	*	1002.8	+20	NNW	1	z	53	92	6	5	3	-	1	2.3	3000	1	*	49	38	29	0.1	Tr	0.8	0.0	
	Portland Bill	32	998.1	+20	W	4	c	46	85	8	*	*	*	1003.0	+20	NW	4	bc	47	85	8	5	-	-	4.6	4.6	4000	1	3	50	46	*	-	-	-	0.0	
	Plymouth	82	1000.9	+16	NW	3	bc	46	85	8	*	*	*	1004.7	+18	NNW	2	c	47	92	6	4	1	-	2.3	7.8	4500	1	2	51	44	37	1	1	1.3	0.0	
	The Lizard	240	1002.0	+14	NW	5	bc	47	85	8	*	*	*	1004.7	+10	NW	4	c	47	92	6	8	6	-	7.8	7.8	2000	1	2	51	45	*	-	0.5	3.8	0.0	
	Scilly (St. Mary's)	163	1003.4	+18	NNW	5	c	50	85	7	*	*	*	1005.3	+6	NNW	4	c	48	75	8	8	6	-	1.6	7.8	1500	1	3	51	48	*	-	-	5.7	0.0	
	Guernsey	175	1001.2	+16	NW	5	bcg	49	85	7	*	*	*	1003.4	0	NW	3	bc	49	85	7	8	4	-	2.3	4.6	2500	1	2	50	45	*	3	1	0.6	0.0	
6	Pembroke	142	999.5	+12	N	5	c	49	85	7	*	*	*	1001.4	0	NE	2	c	47	85	8	5	7	-	2.3	9	2500	1	2	50	45	41	0.1	1	0.7	0.0	
7	Holyhead	26	999.0	+18	NW	3	c	44	85	6	*	*	*	1001.7	+10	WSW	1	fg	41	92	5	5	-	-	0	2.3	-	1	47	41	33	0.1	1	0.0	0.0		
8	Chester (Sealand)	76	999.0	+18	NW	3	z	44	85	6	*	*	*	1001.7	+10	WSW	1	fg	41	92	5	5	-	-	0	2.3	-	1	47	41	33	0.1	1	0.0	0.0		
	Manchester	10	999.0	+22	WNW	2	z	41	92	6	*	*	*	1001.7	+10	WSW	1	fg	41	92	5	5	-	-	0	2.3	-	1	47	41	33	0.1	1	0.0	0.0		
10	Spurn Head	29	996.6	+14	N/E	3	bc	47	92	7	*	*	*	999.9	+16	NW	3	bc	44	92	7	-	4	-	0	4.6	-	0	2	49	43	*	0.2	Tr	0.5	0.0	
	Catterick	175	998.7	+14	NW	1	pr	42	97	5	*	*	*	1001.5	+10	NNW	2	pr	43	92	6	8	6	-	7.8	9	2500	1	*	42	38	3	6	0.0	0.0		
	Tynemouth	108	999.5	+16	NE	4	pr	48	85	7	*	*	*	1000.4	+6	NW	3	c	42	85	6	2	-	-	7.8	7.8	2800	1	2	48	40	37	11	-	*	0.0	
11	St. Abbs Head	280	999.4	+8	N	3	ir	45	85	7	*	*	*	1000.7	+6	NW	2	c	44	85	7	5	2	-	7.8	10	2000	0	2	47	44	*	2	0.3	*	0.0	
	Leuchars	36	1000.7	+8	N	1	c	41	92	8	*	*	*	1000.7	-2	WSW	2	c	38	92	8	5	3	-	4.6	7.8	4000	1	*	47	37	30	3	1	0.0	0.0	
12	Reafrew (Abbots I.)	19	1001.6	+10	-	0	bc	39	92	8	*	*	*	1002.0	-2	W	1	fg	36	97	6	5	3	6	4.6	10	3500	1	*	49	35	30	0.1	-	0.5	0.0	
	Eskdalemuir	794	999.4	+10	-	0	bc	39	92	8	*	*	*	1001.6	+2	-	0	c	39	92	8	5	-	-	9	9	1500	1	*	49	37	32	-	-	0.3	0.0	
	Point of Ayre	30	1000.2	+16	NE	4	c	47	85	8	*	*	*	1001.4	0	SE	1	c	42	92	8	-	4	6	0	9	-	0	1	49	42	*	-	-	2.3	0.0	
13A	Tiree	22	999.5	+14	NW	2	c	43	92	7	*	*	*	999.5	-14	-	0	c	39	92	8	5	-	-	9	9	2800	0	2	47	44	*	-	-	6.0	0.0	
13B	Stornoway	80	1002.7	-4	NNW	2	c	43	92	7	*	*	*	1001.2	-8	-	0	c	40	85	7	5	7	-	7.8	9	2500	1	0	48	37	*	-	-	2.1	0.0	
15	Dalwhinnie	1176	999.5	+14	NW	2	c	43	92	7	*	*	*	1001.6	-4	N	1	c	29	92	8	5	1	-	1	9	2500	3	*	41	28	20					



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 20th November, 1940.

No. 28,853.

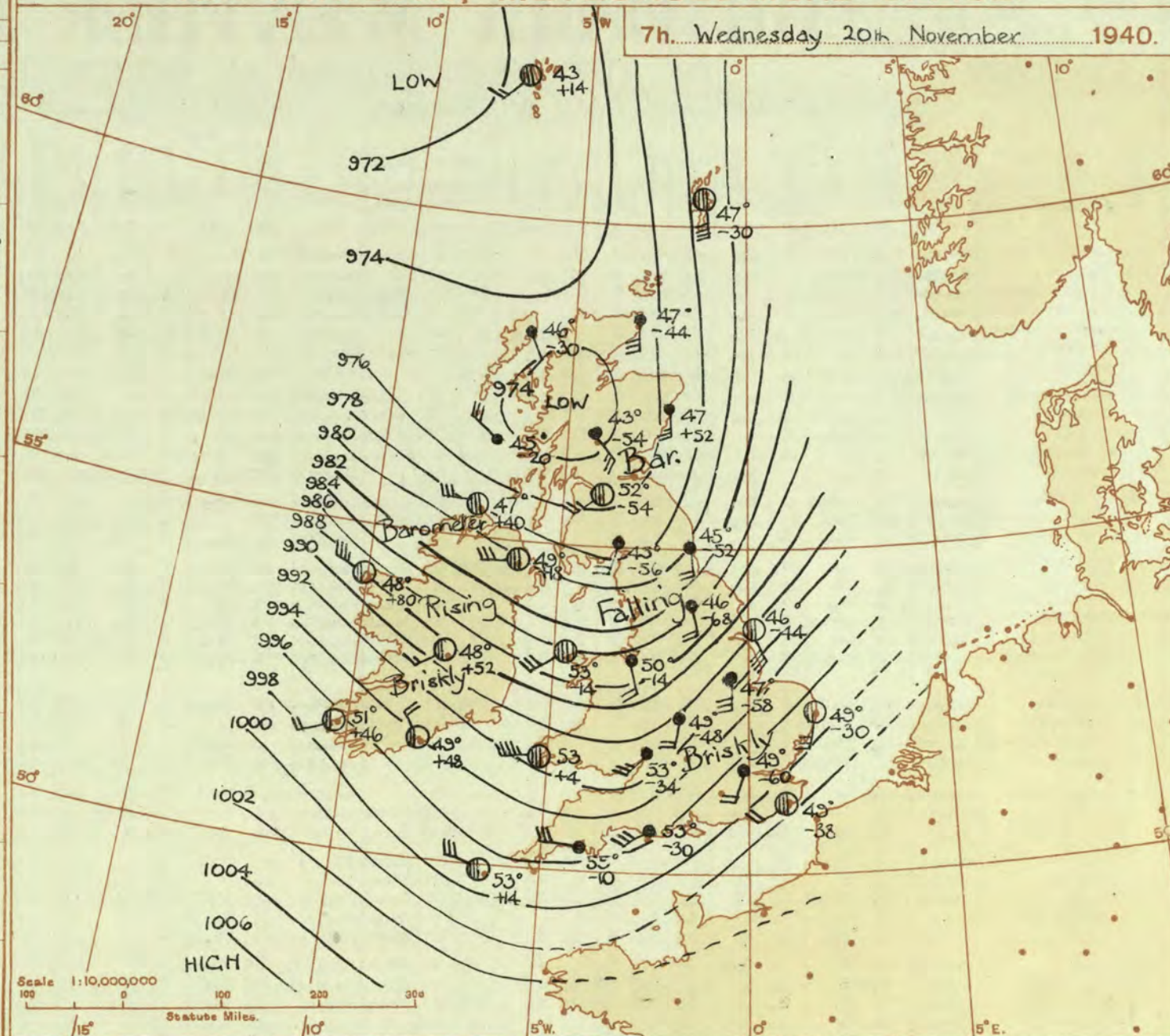
OBSERVATIONS at 13h. G.M.T. 19th November.														OBSERVATIONS at 18h. G.M.T. 19th November.														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-9 (8)	Cloud.				Barom. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity 0-9 (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)					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)	7h.—18h. ...19th... (37)	13h.—18h. ...19th... (38)	18h.—24h. 1h.—24h. ...20th... (39)	1h.—7h. ...20th... (40)
1	London (Kew)...	1003.0	+10	W'S	2	Zo	45	85	5	8	-	9+	1500	1003.5	+10	S	6	Zo	42	92	6	5	-	4-6	4-6	2500	1	*	cma	c b c m o	b c b m o	b c w r r m o			
	Croydon ...	1003.5	+10	W'NW	1	Zo	44	85	5	3	-	9	9+	1600	1003.0	+10	SW	1	m	42	92	4	5	-	4-6	4-6	1500	1	*	c m a m a	c m o b c m	b m	c m o m o		
	S. Farnborough	1004.0	+10	W'NW	2	Zo	44	85	5	5	-	9+	9+	800	1003.7	+4	SW	2	Zo	41	97	5	5	-	7	0	9+	1	*	c m o	c m o	b c m f c m o	c d r r o		
	Boscombe Down	1004.1	+2	NW	1	Zo	44	85	5	1	-	6	7-8	1000	1004.8	+4	S	2	Zo	44	92	5	5	-	0	0	1600	0	*	c m o	c m o	b c m o	c d r r R R m o		
	Calshot (Soton.)	1004.4	+6	NW	2	Zo	46	85	5	4	-	6	4-6	-	1005.5	+8	SW'S	2	Zo	47	92	5	5	-	0	10	1500	1	*	b c b m o	c m b c m o	b m f m o	c m o w b		
	Lympne	1003.5	+18	N	3	Zo	45	92	6	5	-	10	10	800	1006.3	+16	W'N	2	m	41	97	5	5	-	0	10	700	1	*	c m o	c m o	b c m o	c m o w b		
	Manston	1002.9	+16	W'N	4	Zo	45	92	6	5	-	7-8	9	400	1005.7	+20	SW	1	Zo	42	92	5	5	-	10	10	400	1	*	c m o	c m o	b c m o	c m o w b		
2	Shoeburyness ...	1003.2	+14	W'NW	3	c	48	85	5	5	-	9	9	2500	1005.4	+14	W'NW	2	c	43	97	6	5	-	10	10	1500	1	*	m o c	c m o	c m o w b	b w c		
	Felixstowe ...	1002.3	+13	NW'S	3	Zo	48	85	5	1	-	4	9	2000	1004.8	+18	W'NW	3	of	43	97	5	5	-	10	10	300	1	2	c m o b m o	b m o m o f	p f f b c m o	b c m o		
	Gorleston ...	1001.9	+13	NW	2	c	50	85	7	3	-	4-6	7-8	2500	1004.0	+10	W	2	F-	45	92	1	-	-	10	10	1500	1	2	b c c c	b c o f f	c f c z o	c z o b c		
	Mildenhall	1002.8	+10	W	2	f	42	97	3	-	-	10	10	1500	1004.5	+8	SW	2	Zo	43	92	5	5	-	0	9+	1000	1	*	b m o f	c f c m o	c m o m f m o	b m o m o c i o		
	Cranwell	1003.0	+2	W	1	Zo	45	92	6	-	7	8	0	7-8	-	1003.7	+2	SW'S	3	b c f	40	97	3	-	3	0	2-3	-	*	c f f c m	c m b a f f	b c f m b f o f f	c m o m o		
3	Birmingham	1003.5	0	W'SW	2	b c	46	85	5	1	-	4	Tr	4-6	4000	1003.6	0	SW	2	c	43	97	6	-	7	0	9+	-	1	*	f b c	b c c	c b c	b c c r g	
	Upper Heyford	1004.1	+10	SW	1	Zo	43	92	5	5	-	9+	9+	800	1004.3	+4	-	0	Zo	42	92	5	5	-	2-3	4-6	4000	1	*	c m o m o	c m o b c m o	b e f c m o	c m o d r r k		
4	Ross-on-Wye ...	1003.8	0	SW	2	c	47	75	7	-	-	2	0	7-8	-	1003.9	0	SW	3	Zo	45	85	5	5	-	0	9+	2500	1	*	b c c	c z o	c	c r r d o	
5	Hartland Point	1004.3	0	W	4	c	48	85	8	8	9	3	2-3	9+	2000	1003.1	-6	W'SW	3	c/r	40	92	5	5	-	7-8	10	1500	1	3	b c c	c p	c p i r o	c i r o c	
	Bristol ...	1004.4	0	-	0	c	48	75	7	-	3	6	0	9+	-	1004.7	+4	SW	3	Zo	47	85	6	5	-	9+	9+	3000	1	*	b m a c m a c	c m o	c i r o m o	c r r m o	
	Portland Bill	1004.8	+6	W	3	c	50	92	8	5	-	10	10	4000	1005.3	+12	W	3	c	50	92	7	5	-	10	10	4000	1	3	b c c	c	c	c r r		
	Plymouth	1005.4	+2	W'NW	3	c	50	75	7	6	7	6	2-3	9+	4000	1005.4	+2	SW	4	Zo	40	85	6	5	-	4-6	9+	2000	1	2	b c m c m o	c c m o	c r r o c r o	c d o d r k d o	
	The Lizard	1005.2	-4	W	3	c	50	75	8	8	2	9	10	2700	1004.6	-4	SW	5	c/r	50	92	8	8	-	0	10	2000	1	2	c	c p r c	c d c	d d r c		
	Scilly (St. Mary's)	1005.3	-10	SW'S	3	c	51	85	8	7	-	7-8	10	2000	1003.5	-12	SW	4	c/r	50	85	7	8	-	7-8	10	1500	1	2	c	c r	c r c i d	b i d m o		
	Guernsey	1005.3	-10	SW'S	3	c	51	85	8	7	-	7-8	10	2000	1003.5	-12	SW	4	c/r	50	85	7	8	-	7-8	10	1500	1	2	c	c r	c r c i d	b i d m o		
6	Pembroke	1003.4	+2	W'S	3	c	49	85	8	8	7	7-8	9+	3000	1002.0	-8	SW'S	5	c/r	40	97	7	8	-	7-8	10	1600	1	2		R c	c a r o r o m o	p g r r c		
7	Holyhead	1001.6	-6	SW'S	3	c	49	85	7	8	7	4-6	9+	2500	999.4	-10	S	4	1/2	40	97	6	5	-	7-8	10	2200	1	2	c f f m o c	c i g m o c	i g f o c	r r k m o c		
	Chester (Sealand)	1002.5	-2	S'E	1	Zo	46	85	5	-	2	0	9+	-	1001.5	-10	SSE	2	Zo	44	85	5	5	-	1	7-8	4000	1	*	b c m o f m o	c m o	c r m o c	m a i r r c		
8	Manchester	1002.5	-2	SW	1	m/f	43	85	4	-	3	0	9+	-	1001.5	-10	S'E	2	Zo	44	85	5	5	-	7-8	7-8	4500	1	*	b c f c m	c m o	c m o f o	p r o f o r r		
10	Spurn Head	1002.2	+4	W	3	c	47	85	6	-	1	0	9	-	1002.6	+2	S'E	3	b c	44	92	6	-	4	0	2-3	-	0	1	c f c	c b c	c f c m o	c q p r		
	Catterick	1001.8	-4	-	0	Zo	48	75	6	1	7	1	7-8	2800	1001.0	-2	S'E	2	b c f	44	85	3	5	-	4-6	4-6	5000	1	*	p r o c c z o	c a m o c f	b e f r o m	r r f o r o m o		
	Tynemouth	1001.7	-4	SW	2	Zo	46	85	5	8	-	7-8	7-8	3000	1001.0	-8	SW	3	c	45	85	6	8	-	0	0	3200	1	2	c	c	c o r r	c i r r		
11	St. Abbs Head	998.5	-6	SW	2	c	44	85	8	8	7	7-8	9+	2500	998.1	-6	SSE	2	c	42	92	6	5	-	4-6	7-8	2500	0	2	c	c m o	c q p r	c r r		
	Leuchars	991.4	-12	S	1	Zo	44	85	5	5	7	7-8	9+	3200	996.4	-16	S	2	Zo	44	85	5	5	-	7-8	10	3200	1	*	c	c m o	c r r o r r m o	c r r i d i r		
12	Renfrew (Abbots L.)	999.5	-24	E'NE	1	c f	44	85	3	5	3	4-6	9+	7000	996.2	-22	S'E	3	1/2	45	85	5	5	-	4-6	10	2000	1	*	c m o m f f	c f z m o i b	c i r d o r k	c r d r o r k		
	Eskdalemuir	1000.1	-12	SW	3	c	42	92	7	5	-	10	10	450	998.0	-14	SW'S	3	c	41	97	6	5	-	10	10	450	1	*	c	c d o m o	c o r r	r o r		
	Point of Ayre	1000.7	-6	SW	2	c	49	85	8	3	-	7-8	9+	2500	998.0	-14	SW	4	c	47	85	8	4	-	2-3	9+	1500	0	2	c	c	c o r r	r o r		
13A	Three	995.3	-24	S	4	f o b	46	97	7	-	2	10	10	1500	989.2	-28	SSE	6	r r	46	97	6	-	2	10	10	1500	-		c o r b	c	p	o r o		
13B	Stornoway	995.7	-22	S	5	c	46	85	8	5	2	4-6	9+	2500	988.5	-28	SSE	7	r r	46	92	6	5	-	0	10	1500	1	4	c	c r r	c r r	c r r		
15	Dalwhinnie	998.0	-16	S	3	c	39	85	8	5	3	7-8	9+	1500	993.7	-26	SW	3	b c	39	85	8	5	-	4-6	4-6	1500	1	*	c	c p r	c i r	c i r o		
	Aberdeen	998.8	-8	S	2	b c	44	75	5	-	9	0	4-6	-	993.0	-16	SW	2	c	42	92	5	-	7	0	7-8	-	1	2	b b c z o	c i r c	c i r	c i r		
	Wick	997.0	-16	SW	2	c	43	75	8	5	7	4-6	9	2500	993.2	-18	SW	4	c	45	75	8	5	-	7-8	10	1000	1	2	c	c	p r r	p r r r		
16	Lerwick	996.9	-12	W'SW	3	c	43	75	8	5	7	4-6	7-8	1500	993.9	-14	S'E	4	c/r	43	85	7	8	-	4-6	7-8	1500	1	*	c	c p r o	c p r	c i r		
17	Blacksod Point	995.9	-30	S	6	R R	46	97	6	6	-	10	10	1500	990.3	-26	S	7	d r	51	97	6	6	-	10	10	1500	2	4	r r	d r	r r	P b c q		
18	Malin Head	996.5	-28	SW	3	c	46	75	8	5	2	4-6	9+	2500	993.6	-28	SW'S	5	c	45	85	7	6	-	0	0	1500	0	5	c	c p r c p r c	c p r c	c p r c		



20th November

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C, C<sub>M</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (S = E, E = 16, S = 24, W = 32 = N).

7h. Wednesday 20th November 1940.



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.

**GENERAL INFERENCE.**  
A deep depression over Iceland is moving northeast and a trough extending to Scotland and southwest England is moving quickly east. Bright periods and occasional showers will occur generally at first, but showers will be heavier in west and north Scotland. A disturbance north of the Azores will move east-northeast and bring rain to southwest districts tomorrow. Gales will occur in most districts today.

### FURTHER OUTLOOK.

Continuing Unsettled.

↓ Gale warnings issued in all districts including Dogger Bank area. Time of issue 1855 and 2300 19/11/40. and 0240 and 0800 20/11/40.

Forecasts issued at 10.30 GMT

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

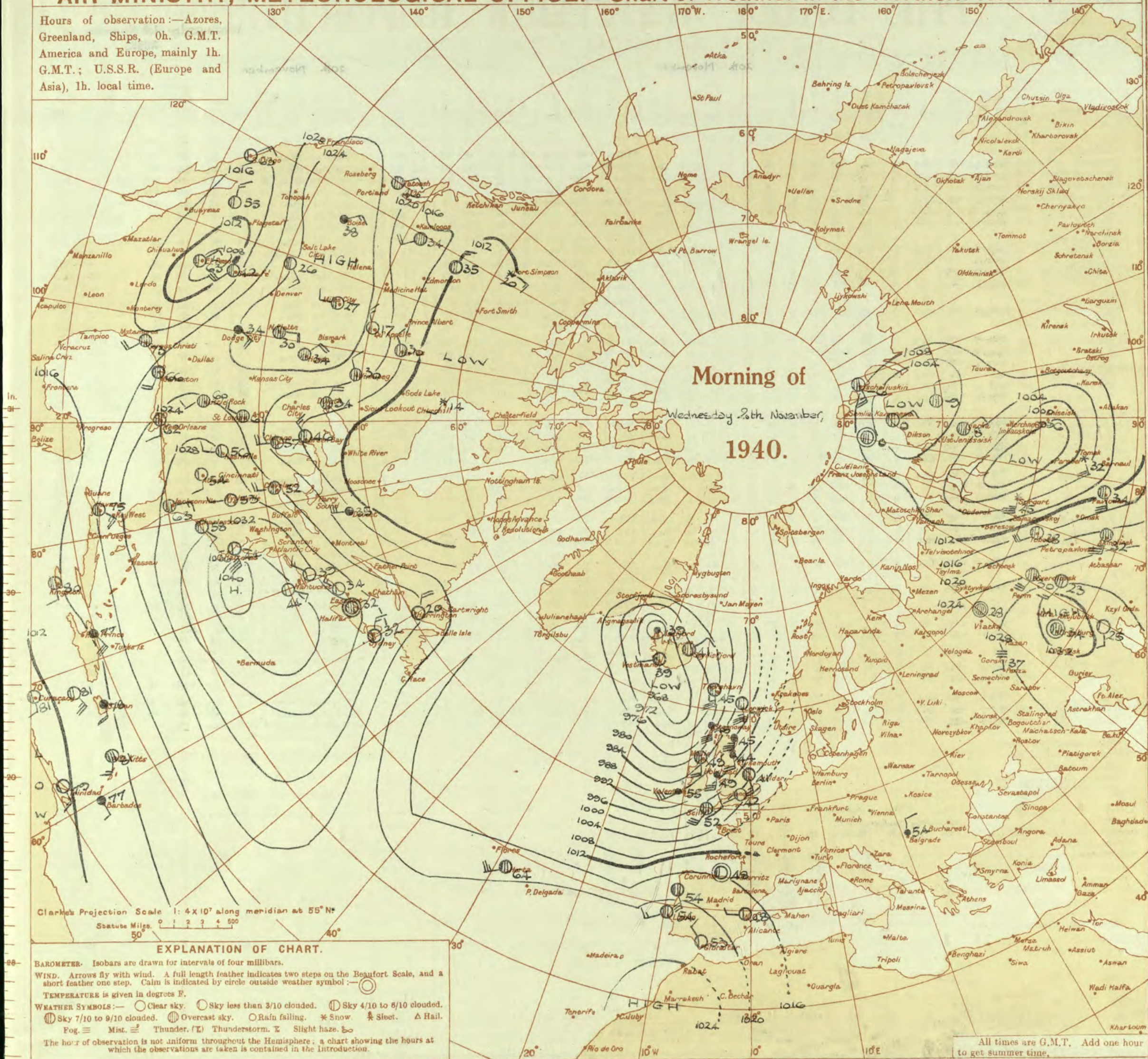
H.M.S.O. Press, Cornwall House, S.E.1

260/3955. W. 8042 0.3705 9000.6 848. 114



# 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. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.			Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	TEMPERATURE.					RAINFALL.		SUNSHINE 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)			State of Ground. (29)	Sea. (30)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)				
1	London (Kew) ... 18	217	1004.6	-12	SW	2	h	42	97	4	Tr	7	2500	995.6	-48	SSW	5	c	49	92	7	5	-	10	10	800	1	*	45	39	26	-	0.6	0.1			
	Croydon ... 217	1004.7	-12	SW	2	h	42	97	4	Tr	7	2500	995.4	-60	SW	5	rr	49	92	6	5	-	10	10	1500	1	*	45	39	37	-	0.5	0.0				
	S. Farnborough ... 226	1003.7	-18	SE	3	c/r	42	92	5	3	-	7-8	7-8	995.7	-46	S	5	6	49	92	6	5	2	-	9	10	1000	2	*	45	40	34	Tr	1	0.2		
	Boscombe Down ... 417	1002.2	-18	SE	4	pr	47	92	7	5	7	-	4-6	9	994.2	-40	SW	6	rr	50	97	5	6	2	-	10	10	1000	1	*	45	38	37	-	1	0.6	
	Calshot (Stmntn.) ... 8	1003.6	-18	SSW	5	pr	51	85	6	8	7	-	1-6	10	996.6	-38	SSW	7	RR	51	97	6	6	-	10	10	400	1	4	47	46	42	-	5	3.5		
	Lymington ... 346	1006.4	-6	SSW	1	20	43	97	6	2	-	1	1	3000	1001.2	-38	SW	4	c	49	85	7	5	7	-	9	9	1500	1	*	47	38	28	Tr	-	0.5	
	Manston ... 154	1005.9	-10	SSW	2	20	42	97	5	5	-	9	9	3000	1000.0	-34	S	6	20	49	85	6	5	3	-	4-6	4-6	800	1	*	47	38	28	Tr	-	0.5	
2	Shoeburyness ... 11	1004.7	-10	SSW	3	20	45	92	6	-	3	-	0	2-3	998.4	-42	SW	4	c	50	85	7	5	-	9	9	1500	1	*	48	40	30	-	-	3.4		
	Felixstowe ... 15	1004.7	-10	SSW	3	20	45	92	6	-	3	-	0	2-3	998.7	-34	SW	6	20	49	85	6	5	3	-	2-3	9	3000	1	4	51	40	36	-	-	4.9	
	Gorleston ... 5	1005.2	-8	SSW	3	c	41	92	5	5	-	-	9	9	997.2	-30	SW	6	bc	49	85	7	-	5	-	0	4-6	1	3	51	40	36	Tr	Tr	0.0		
	Mildenhall ... 19	1002.8	-18	S	4	20	40	92	5	-	-	-	0	0	995.2	-46	S	5	10	48	85	7	5	2	-	4-6	10	2000	1	*	44	39	33	Tr	Tr	0.0	
	Cranwell ... 240	1001.2	-20	S	4	cf	38	97	3	-	3	-	0	7-8	990.6	-58	S	6	10	47	85	5	6	-	10	10	800	1	*	46	36	33	0.2	0.5	1.4		
3	Birmingham ... 535	1002.3	-18	SSW	3	20	42	92	5	-	7	-	0	7-8	989.0	-48	SSW	4	rr	49	97	6	6	2	-	10	10	800	1	*	47	40	35	-	5	1.6	
	Upper Heyford ... 408	1002.3	-18	SSW	3	20	42	92	5	-	7	-	0	7-8	993.4	-46	SSW	4	RR	49	97	5	6	2	-	7-8	10	500	1	*	46	38	29	-	5	*	
4	Ross-on-Wye ... 223	1002.3	-18	SSW	3	20	42	92	5	-	7	-	0	7-8	990.1	-34	SW/S	5	10	48	92	6	6	-	0	10	1500	1	*	47	45	39	-	3	2.5		
5	Hartland Point ... 299	996.4	-42	SSW	6	c/r	50	97	7	5	2	-	7-8	10	992.5	+6	SSW	6	c	53	97	8	8	2	-	7-8	10	1500	1	4	50	48	46	Tr	1	1.9	
	Bristol ... 209	1000.8	-32	S	4	20	49	95	6	5	7	-	7-8	9	992.3	-30	SSW	5	10	52	97	7	6	7	-	9	9	900	1	*	49	45	41	-	5	0.9	
	Portland Bill ... 32	1002.6	-28	SW	5	c	52	92	7	5	-	-	10	10	995.6	-30	SW	6	rr	53	92	7	5	-	10	10	2500	1	4	51	48	*	-	1	*		
	Plymouth ... 82	1001.0	-30	SSW	5	ir	51	97	6	6	2	-	4-6	10	995.8	-10	W	6	10	55	97	8	5	1	-	9	10	1600	1	5	51	49	47	-	10	2.1	
	The Lizard ... 240	997.6	-36	S	7	c	52	97	6	5	-	-	10	10	996.1	-20	W	7	c	54	97	8	8	2	-	9	10	1000	1	4	51	48	*	1	6	0.7	
	Scilly (St. Mary's) ... 163	996.7	-36	SSW	6	c/d	52	97	5	5	2	-	7-8	10	995.9	+14	W/N	7	c	53	97	7	5	7	-	7-8	9	1000	1	3	51	50	*	0.3	2	0.4	
	Guernsey ... 175	996.7	-36	SSW	6	c/d	52	97	5	5	2	-	7-8	10	995.9	+14	W/N	7	c	53	97	7	5	7	-	7-8	9	1000	1	3	51	50	*	0.3	2	0.4	
6	Pembroke ... 142	994.2	-26	SW	8	rr	50	97	5	5	-	-	10	10	989.0	+4	W/S	9	rr	53	85	7	6	-	9	9	1000	1	4	52	48	*	2	12	0.4		
7	Holyhead ... 26	989.7	-54	S	6	rr	49	97	6	6	2	-	7-8	10	985.0	-14	SW	6	c/r	53	97	7	5	-	10	10	2500	1	3	49	47	46	Tr	9	0.1		
	Chester (Sealand) ... 16	994.6	-42	SE/S	4	20	46	85	6	5	2	-	9	10	985.3	-14	SE	4	rr	50	92	6	6	2	-	4-6	9	1500	1	*	47	43	38	-	3	0.6	
8	Manchester ... 70	995.9	-40	SSW	4	c/r	45	85	6	5	7	-	7-8	10	985.3	-50	SE	5	c/r	50	92	6	6	2	-	7-8	10	700	1	*	48	44	38	-	3	0.4	
10	Spurn Head ... 29	999.2	-20	SSW	5	c	41	97	5	5	-	-	7-8	7-8	988.0	-44	SSW	8	rr	46	92	6	6	1	-	7-6	10	4000	0	3	48	40	*	-	Tr	4.4	
	Catterick ... 175	996.0	-30	S	4	rr	44	85	4	5	2	-	4-6	10	984.0	-68	SE	4	rr	46	97	5	5	2	-	4-6	10	400	1	*	49	41	40	0.1	4	2.1	
	Tynemouth ... 108	994.7	-36	S	4	rr	44	85	4	5	2	-	4-6	10	982.8	-52	S	6	rr	45	97	6	-	2	-	10	10	2000	1	3	47	43	39	-	4	*	
11	St. Abbs Head ... 280	990.1	-42	S	6	rr	44	85	7	5	2	-	7-8	9	978.1	-54	S	5	rr	45	92	7	5	2	-	7-8	10	2000	1	3	45	42	*	-	2	*	
	Leuchars ... 36	989.0	-36	S	2	rr	44	97	6	5	-	-	10	10	975.4	-76	SE	4	rr	47	92	7	5	2	-	9	10	900	1	*	45	43	41	-	5	0.1	
12	Renfrew (Abbots L.) ... 19	986.7	-50	SSW	4	rr	46	92	4	5	-	-	10	10	974.7	-54	SW/S	5	c/r	52	92	5	5	-	-	9	10	1200	2	*	47	44	*	-	24	*	
	Eskdalemuir ... 794	986.7	-50	SSW	4	rr	46	92	4	5	-	-	10	10	974.7	-54	SW/S	5	c/r	52	92	5	5	-	-	9	10	1200	2	*	47	44	*	-	24	*	
	Point of Ayre ... 30	989.7	-44	SSW	5	rr	49	97	8	8	2	-	4-6	10	978.7	-34	SSW	6	rr	53	92	7	8	-	-	9	9	1500	1	3	51	46	*	-	9	1.3	
13A	Tiree ... 22	990.1	-42	S	6	rr	44	85	7	5	2	-	7-8	9	974.6	-20	NW	6	rr	45	97	7	5	2	-	10	10	1500	1	5	47	44	*	25	0.0		
13B	Stornoway ... 80	978.4	-26	S	8	rr	48	97	7	5	2	-	9	10	974.6	-30	SE	2	rr	46	97	6	5	2	-	9	10	1000	1	1	47	44	*	1	8	0.0	
15	Dalwhinnie ... 1176	978.4	-26	S	8	rr	48	97	7	5	2	-	9	10	974.6	-30	SE	2	rr	46	97	6	5	2	-	9	10	1000	1	*	47	44	*	1	8	0.0	
	Aberdeen ... 79	978.4	-26	S	8	rr	48	97	7	5	2	-	9	10	974.6	-30	SE	2	rr	46	97	6	5	2	-	9	10	1000	1	1	47	44	*	1	8	0.0	
	Wick ... 81	983.4	-40	S	6	c	46	85	7	5	6	-	4-6	9	975.6	-44	S	6	rr	47	92	6	5	2	-	7-8	10	800	1	2	45	43	*	-	2	1.3	
16	Lerwick ... 156	984.8	-46	S	7	c/pr	47	85	7	8	2	-	7-8	10	978.2	-30	S	8	c	47	92	6	8	2	-	7-8	10	800	1	*	45	43	*	Tr	2	1.0	
17	Blacksod Point ... 18	981.1	-50	S	5	RR	50	97	6	6	-	-	10	10	977.9	+80	WNW	7	c/r	48	75	7	3	-	-	4-6	4-6	1500	2	5	52	45	*	7	15	*	



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Thursday 21st November 1940.  
No. 28,854

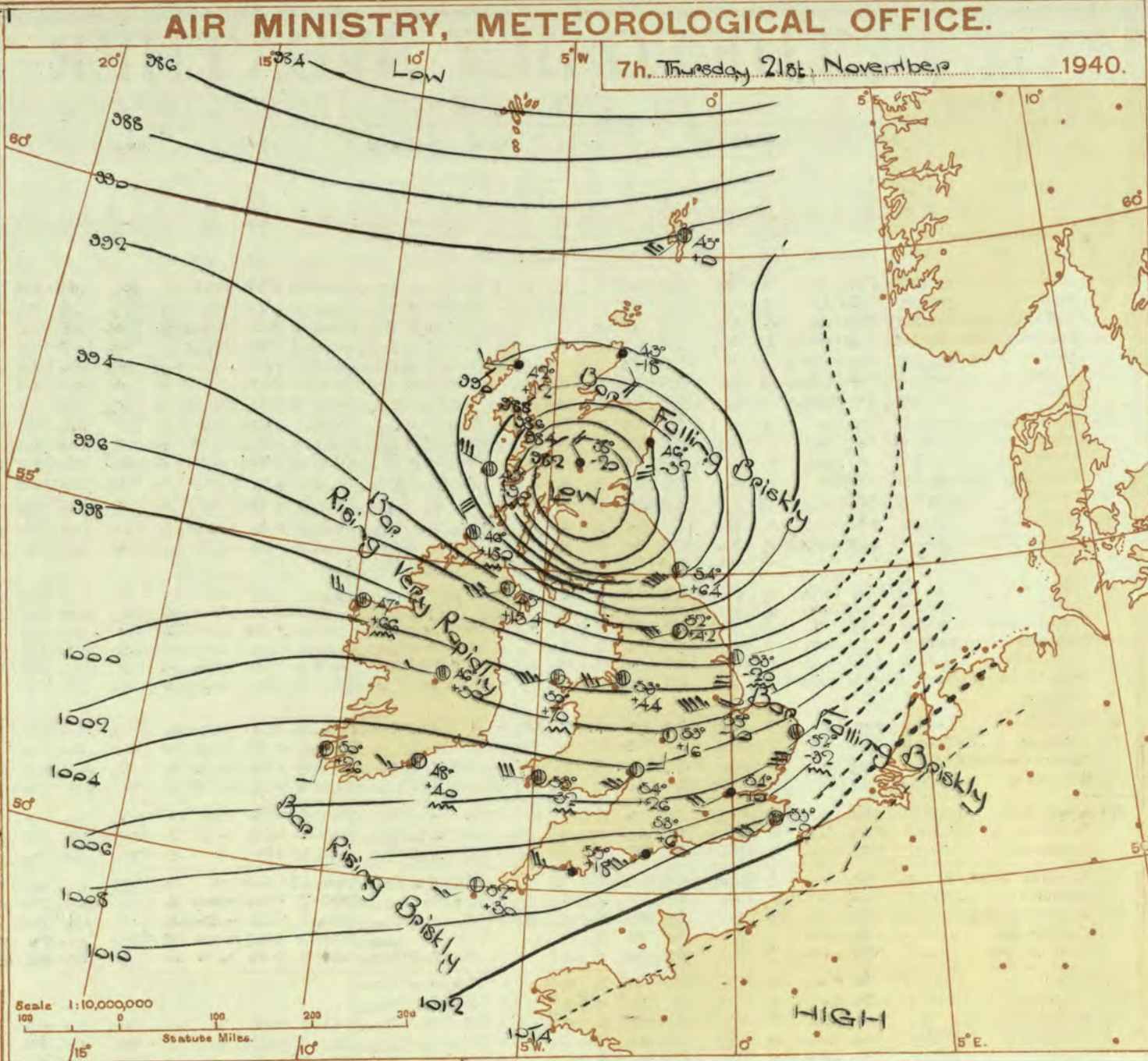
OBSERVATIONS at 13h. G.M.T. 20th November														OBSERVATIONS at 18h. G.M.T. 20th November														PAST 24 HOURS.											
DISCUSS.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.				State of Ground. (28)	Sea. 0-9 (30)	WEATHER.											
				Dirce. (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. 20th (37)				13h.—18h. 20th (38)		18h.—20h. 20th (39)		1h.—7h. 21st (40)	
																														7h.—13h. 20th (37)				13h.—18h. 20th (38)		18h.—20h. 20th (39)		1h.—7h. 21st (40)	
1	London (Kew)...	998.3	+26	W	4	bc	53	65	7	2	7	6	2-3	46	2500	1005.6	+38	WSW	4	b	49	75	7	-	-	-	0	0	-	1	*	ndrm, bc	bbz, b	bbcc	c				
	Croydon ...	997.5	+34	W	3	c	54	75	7	2	4	-	4-6	7-8	1800	1005.0	+44	W	3	20	49	75	6	-	-	-	0	0	-	1	*	rrrd, bc	bm	bm, ir, mo	prdr, cdd				
	S. Farnborough	999.2	+36	W	5	bc	52	65	8	1	-	4	Tr	4-6	2000	1006.4	+40	WSW	5	bc	48	75	7	-	-	3	-	0	Tr	-	1	*	crDR, bc	beb	cm, ir, r	cir, cr, r			
	Boscombe Down	999.8	+34	WNW	6	bc	52	65	8	1	-	8	2-3	4-6	2500	1006.4	+30	WSW	4	bc	47	75	7	5	3	-	2-3	2-3	4000	1	*	crdd, bc	bc	bm, mo, ir	cir, d, c				
	Calshot (Soton.)	1000.7	+40	NW	4	c	55	75	7	1	4	2	4-6	7-8	2500	1007.0	+34	W	4	20	50	75	6	-	-	4	-	0	1	-	*	ERRR, bc	cbbm	bm, mo, ir	od, d, id, m				
	Lymington	999.1	+8	WNW	4	bc	55	75	8	2	7	-	4-6	4-6	1500	1007.1	+48	W	3	b	46	85	7	-	-	-	0	0	-	1	*	err, mrf	beb	bbcc, m	cir, m				
	Manston	997.4	+6	WSW	5	c	56	65	7	8	6	-	7-8	9	2500	1006.3	+40	SW	2	20	44	85	6	-	-	-	0	0	-	1	*	rrm, c	bbbm	bwm, r, o	cm, c, r				
2	Shoeburyness	997.5	+18	W	3	c	55	75	6	3	3	-	7-8	7-8	1500	1006.1	+48	W	2	b	48	85	6	-	-	-	0	0	-	1	*	err, m, r	cm, b, m	bm, bcc	cr, c				
	Felixstowe	995.6	+6	W	6	bc	54	75	7	3	-	-	2-3	2-3	2500	1004.2	+56	W	3	20	49	85	6	-	-	-	0	0	-	1	1	err, R, bq	b	cm, ir, o	cm, ir, o				
	Gorleston	992.8	-4	W	5	c	52	92	6	8	-	-	7-8	7-8	1500	1002.2	+36	WSW	4	bc	50	85	7	-	-	4	-	0	2-3	-	1	3	bc, r	bbc	or, c, q	or, c, q			
	Mildenhall	994.2	+30	W	5	bc	55	65	8	8	-	-	4-6	4-6	2500	1003.1	+50	SW	4	bc	47	65	8	5	-	-	1	1	2500	1	*	err, m, p, bc	beb	cr, r, m, o	cc, r, m, o				
	Cranwell	993.4	+46	NW	6	c	49	65	7	8	-	-	9	9	2000	1001.8	+50	W	4	b	45	75	7	-	-	-	0	0	-	1	*	b, pr, c	c, b	b, c, r, m	err, bc, m				
3	Birmingham	996.4	+44	W	5	bc	51	55	8	8	-	-	4-6	4-6	1500	1003.5	+30	WSW	3	bc	47	75	8	-	-	6	0	2-3	-	1	*	cr, bc	beb	bbc	c, bc				
4	Upper Heyford	996.9	+44	WSW	5	bc	53	55	8	8	4	5	2-3	4-6	2500	1004.2	+38	W	4	b	45	75	8	-	-	4	-	0	Tr	-	1	*	ERRR, m, bc	beb	bbcc, id, m	cir, r, d, d			
	Ross-on-Wye	998.2	+34	W	6	bc	53	55	8	1	-	3	1	2-3	2500	1004.2	+38	W	4	b	45	75	8	-	-	-	0	Tr	-	1	*	err, m, p, bc	beb	bbcc	ro, c, c				
5	Hartland Point	1002.1	+36	WNW	4	c	52	85	8	5	6	-	4-6	7-8	1500	1003.8	+16	W	5	c	52	85	8	5	6	-	4-6	9	1500	1	3	c	cbcc	cp, r	cir, c				
	Bristol ...	999.6	+42	WNW	6	bc	52	75	8	2	4	6	1	4-6	2000	1006.5	+32	WSW	4	20	49	85	6	4	-	-	1	1	4500	1	*	cr, bc, bq	bbq, m	bc, c	cr, d, d, m				
	Portland Bill	1001.9	+30	W	6	c	53	92	7	2	4	-	4-6	7-8	4000	1007.5	+34	W	5	c	52	85	7	5	4	-	4-6	7-8	4000	1	4	o	cc	c	od, d				
	Plymouth	1003.4	+30	WNW	5	c	55	75	8	2	3	-	4-6	9	2500	1008.4	+24	W	5	20	53	85	6	-	-	3	-	0	9	-	1	3	cm, c	ccm	cm, ir, o	cm, r, d, d			
	The Lizard	1004.6	+20	WNW	5	c	53	92	8	6	-	-	7-8	7-8	2500	1008.0	+10	W	4	c	52	97	7	8	2	-	9	10	1500	1	4	c	c	oid	cir, c				
	Scilly (St. Mary's)	1004.2	+44	WNW	4	c	53	85	7	5	7	-	2-3	10	1500	1007.4	+14	SW	3	c	53	92	6	5	7	-	4-6	10	1500	1	3	c	c	cir, c	cof, d, bc				
	Guernsey	1004.2	+44	WNW	4	c	53	85	7	5	7	-	2-3	10	1500	1007.4	+14	SW	3	c	53	92	6	5	7	-	4-6	10	1500	1	3	c	c	cir, c	cof, d, bc				
6	Pembroke	1000.1	+16	W	7	bc	53	65	7	5	7	-	1	4-6	2000	1004.4	+24	WSW	6	c	53	75	7	8	7	-	4-6	7-8	2000	1	4	*	bc	bcq	err, q	id, q, c			
7	Holyhead	994.5	+20	WNW	7	bc	51	75	8	7	3	1	1	2-3	2000	1000.7	+38	WS	5	bc	50	75	7	1	7	6	2-3	4-6	3000	1	3	cb, bc	bcq, m	ir, r, m, o	re, r, m, o				
	Chester (Sealand)	994.7	+44	W	5	c	53	55	8	1	-	-	7-8	7-8	1500	1001.3	+38	SW	2	20	47	65	6	4	7	-	Tr	1	2500	1	*	re, p, r	bcq, m	ir, r, m, o	re, r, m, o				
8	Manchester	993.2	+46	W	7	bc	50	65	7	3	-	-	4-6	4-6	2200	1000.8	+42	SW	4	c	47	75	7	4	4	-	7-8	7-8	2000	1	*	cp, r	cp, r	bc, m, r, o	cm, o, z				
10	Spurn Head	998.3	-24	WSW	8	bc	49	75	8	8	-	-	4-6	4-6	2500	997.8	+42	SW	6	bc	46	75	7	-	-	-	0	2-3	-	0	4	q, pr	q, bc	q, bc	q, pr				
	Catterick	998.1	+68	W	6	bc	49	65	8	3	4	-	2-3	2-3	2200	997.6	+56	WS	3	bc	46	75	8	4	-	-	2-3	2-3	3100	1	3	ir, pr	bc, r	pr, c, r, o	q, pr				
	Tynemouth	994.1	+48	WNW	9	bc	48	65	8	2	4	-	2-3	4-6	2000	995.2	+76	W	5	bc	47	75	7	2	-	-	2-3	2-3	3400	1	3	ir, pr	bcq	bc	ep, bcq				
11	St. Abbs Head	977.8	+30	W	8	bc	48	65	8	2	7	-	2-3	4-6	2500	990.2	+44	W	8	bq	46	65	8	-	-	-	0	0	-	0	4	q, bcq	bcq, bq	c	m, c, q, r				
	Leuchars	979.7	+70	WNW	6	bc	48	75	8	5	7	-	7-8	9	1200	993.7	+60	WSW	4	b	45	75	8	4	-	-	2-3	2-3	2500	1	*	err, m, r	ir, b, b	bbcc	cr, r, m, o				
12	Renfrew (Abbots L.)	985.4	+74	WNW	5	pr	45	85	8	3	3	-	9	9	2000	993.1	+48	WSW	4	b	43	85	7	8	-	-	Tr	Tr	3000	1	*	ir, pr, pr	cp, r	bc, pr	r				
	Eskdalemuir	985.8	+66	WNW	3	pr	44	75	8	5	-	-	9	9	1500	994.2	+42	WNW	5	bc	42	75	7	5	-	-	4-6	4-6	1500	1	*	re, r, r	bc, pr	bc, pr	cr, r, m, o				
	Point of Ayre	990.6	+52	WNW	7	bc	49	85	8	3	-	-	2-3	2-3	2500	997.8	+38	WNW	6	b	49	85	8	8	-	-	1	1	2500	1	4	cbq	beb	cr, o	cr, o				
13a	Tiree	984.7	+36	NW	6	bc	49	85	8	8	-	-	4-6	4-6	1800	992.0	+46	W	4	bc	39	85	8	5	-	-	2-3	2-3	2500	1	*	cp, r	bc	bc, ir	pr, r				
13b	Stornoway	979.1	+30	W	6	c	47	75	8	8	7	-	4-6	9	2500	982.0	+46	W	4	bc	39	85	8	5	-	-	2-3	2-3	2500	1	*	cir	cp, r	cp, r	cir, r				
15	Dalwhinnie	*	+46	SW	5	bc	40	85	6	8	-	-	9	9	1500	982.0	+46	W	4	bc	39	85	8	5	-	-	2-3	2-3	2500	1	*	cir	cp, r	bc	cir, r				
	Aberdeen	975.6	+30	WNW	5	bc	45	85	7	6	2	-	Tr	10	4000	987.4	+68	W	4	bc	45	75	8	-	-	0	Tr	-	1	3	cir	ir, b	bbcc	cr, m, o					
	Wick	971.9	+10	WNW	5	bc	45	92	7	5	7	8	4-6	9	1500	980.3	+50	W	4	bc	44	85	7	5	4	-	4-6	4-6	1500	1	2	ir, r	q, pr	bc, pr	cr, m, o				
16	Lerwick	972.2	-32	SE	7	rr	47	92	7	6	2	-	4-6	10	800	972.7	+16</																						



Abridged observations of additional stations in the AVIATION WEATHER CODE												
13h. G.M.T. 20th November 18h. G.M.T.						01h. G.M.T. 21st November 07h. G.M.T.						
III. C.	wwVhN <sub>h</sub>	DDFWN	C. C.	wwVhN <sub>h</sub>	DDFWN	C. C.	wwVhN <sub>h</sub>	DDFWN	C. C.	wwVhN <sub>h</sub>	DDFWN	
109	52	62744	24468	92	81634	58565	20	02843	20388	52	64643	18228
115	52	66735	28568	52	81844	61785	52	14844	57680	52	62735	28388
203	8-	61837	24567									
206	82	25355	25686	50	00852	26382	83	02863	24285	02	64731	32268
210	52	22844	57867				51	02265	18427	52	62746	08468
220	83	01844	26514									
230	8-	10856	56716	80	25852	57482	52	62744	16368	52	62645	65668
245	78	14965	53767	50	00951	57621	07	02755	26316	62	62635	49768
260	85	25854	22685	80	81745	24385	53	02764	20488	62	62744	16468
277	26	02844	56684	04	00890	23402	02	62768	11668	8-	15743	24868
279	--	05654	55614	00	00790	20508						
285	30	25735	24685	20	01844	28684				2-	02746	26786
288	8-	81855	56765	26	00852	23483	52	05654	19318	53	01853	53764
273	38	10754	27786									
301	80	01854	53614	50	05754	57414	52	62654	18368	53	05654	57667
321	83	01734	57684	00	05650	23300	5-	05657	15327	03	05650	53525
299	57	01743	24663	50	00742	24312	52	02745	24318	5-	05644	22614
292	8-	01845	54665	80	01844	24514	52	51757	20228	53	14733	22764
310	--	02735	26715	--	01525	24515						
316	80	01734	53668	00	01720	22412	52	64555	17368	64	05644	53525
333	26	02855	24665	12	02753	55527	52	61644	18768	53	02753	58667
334	--	02854	24585							--	02653	22815
340	25	01853	58583	03	00890	57503	52	61746	50668	80	14855	53715
136				64	01790	20511	02	05650	19418			
336	24	02753	28615	24	02753	24515				24	02753	24616
350										--	61628	19568
368												
379	10	01754	57515	40	05651	22301	53	05654	08328	63	22733	20664
390	80	00753	23463	00	05650	24310	57	05563	22428	52	62546	53568
382	14	01852	23514	40	00751	22401	53	61644	15328	83	22844	53565
438	50	02754	24715							32	10545	22528
430	23	02754	57426				57	22655	18368	5-	52538	20588
409	53	02743	57426				5-	61648	16668	53	05653	19465

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C, C<sub>m</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 21st November, 1940
1 S.E. England	Fresh S.W. to W. wind, decreasing light or moderate later today, freshening again from S.W. tomorrow; mainly fair today, rain spreading from the west tomorrow; rather mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Strong W. to N.W. wind, moderating and backing S.W. later; bright intervals and occasional showers today; rain spreading from west tomorrow; cool, becoming milder.
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.	Northwesterly gale, moderating later, & backing S.W. (S.S. tomorrow); occasional squally showers at first with bright intervals, especially tonight; rain spreading from S.W. tomorrow; cool, becoming milder.
14 Mid Scotland	
15 N.E. Scotland	Fresh W. to N.W. wind, moderating, backing S. to S.W. temporarily and freshening again; occasional showers and bright intervals today, cloudy with rain or showers tomorrow; average temperature.
16 Orkneys and Shetlands	
17 N.W. Ireland	Light or moderate W. to S.W. wind, backing S.W. to S. and later freshening; fair at first, cloudy with rain tonight, showers and bright intervals tomorrow; average temperature.
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 over Scotland is moving rapidly N.E. & further disturbances to the W. & S.W. of the British Isles will move E. & N.E. respectively; weather will be mainly fair today in the South, but in the North there will be bright intervals and showers with northwesterly gales in N.E. Scotland at first; further rain will spread from west to all districts during tonight and tomorrow.

#### FURTHER OUTLOOK.

Continuing unsettled.

Warning of gales in operation, in districts  
 10, 11, 13, 15, 16 & 18.

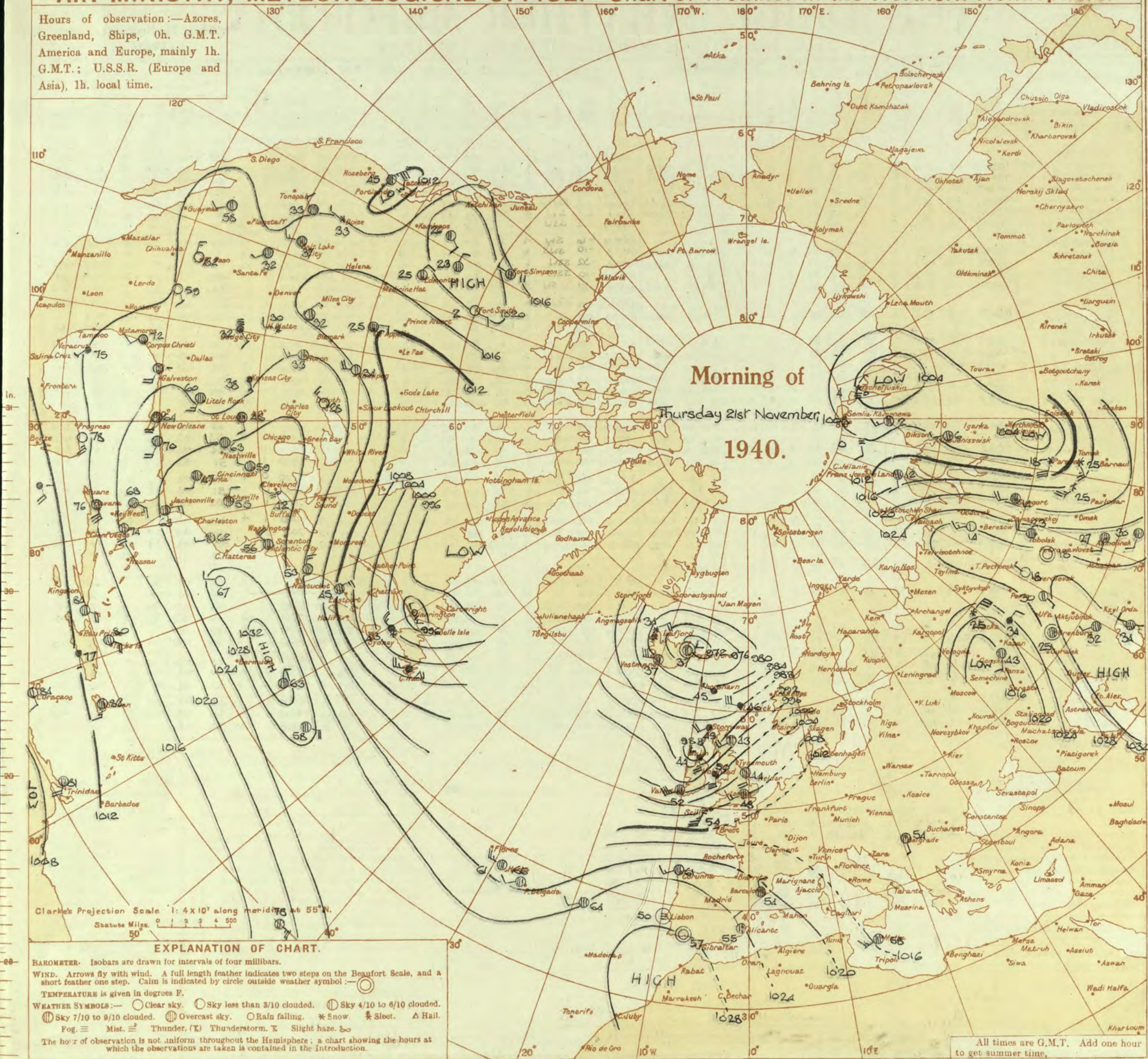
Forecasts issued at 10.30h G.M.T.  
 H.M.S.O. Press, Cornwall House, S.E.1.

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



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

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





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

## OBSERVATIONS at 1 hr. G.M.T. 21st November

## OBSERVATIONS at 7 hr. G.M.T. 21st November

## PAST 24 HOURS.

DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. 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.					Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	TEMPERATURE.		RAINFALL.		SUNSHINE 20th Hrs. (36)			
					Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force (18)	Low 0-10 (23)	Total 0-10 (24)	Height of Base (feet) (25)	State of Ground. 0-9 (26)			Sea. 0-9 (27)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)		Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1007.8	+6	SW	5	c	54	85	7	5	-	-	10	10	1500	1	*	55	46	36	3	-	3.0			
	Croydon ...	217	1009.7	+2	WSW	3	z	48	92	6	5	2	-	7.8	10	2500	1008.0	-10	SW	4	dd	54	97	6	6	-	10	10	600	1	*	56	46	42	5	0.2	3.1	
	S. Farnborough ...	226	1009.5	-4	SW	4	ir	50	97	6	-	2	-	10	10	3500	1008.3	+6	SW	6	do	55	92	6	5	-	10	10	700	1	*	55	45	37	3	0.1	3.7	
	Boscombe Down ...	417	1008.5	-2	SW	4	c	50	92	7	5	-	-	10	10	1600	1007.7	+6	SW	4	ir	55	92	6	6	2	7.8	10	1000	1	*	54	45	40	2	1	4.2	
	Calshot (Stmnt.) ...	8	1009.7	+2	SW	5	ido	53	92	6	5	-	-	10	10	2500	1009.1	+2	SW	5	ido	55	97	6	5	-	10	10	500	1	4	55	49	46	2	0.2	3.5	
	Lympne ...	346	1011.7	+4	SW	2	ir	49	92	6	-	2	-	10	10	2500	1011.1	-2	SW	4	af	53	92	6	5	-	10	10	500	1	*	*	45	38	9	Tr	1.7	
	Manston ...	154	1010.7	+2	SW	3	z	48	85	6	-	7	-	0	9	-	1009.3	-2	SSW	6	ir	53	92	7	5	-	10	10	700	*	*	*	*	*	*	*		
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1008.6	-6	SW	4	c	54	92	7	5	-	-	10	10	800	1	*	57	45	36	3	Tr	2.4			
	Felixstowe ...	15	1008.9	+2	SW	3	z	47	85	6	5	7	-	4.6	9	7000	1007.3	-10	SW	6	z	51	92	6	5	-	10	10	2000	1	3	*	*	*	*	*		
	Gorleston ...	5	1008.2	+16	SW	3	c	46	85	6	5	-	-	9	9	2500	1005.6	-32	SSW	6	c	52	85	6	5	-	9	9	1500	1	4	55	45	41	6	0.2	1.3	
	Mildenhall ...	19	1007.6	+2	SW	4	c	48	85	7	-	7	-	0	10	-	1004.2	-10	SSW	5	c	55	85	7	6	7	9	9	2000	1	*	55	45	36	3	0.3	3.1	
	Cranwell ...	240	1005.5	-2	SW	5	ir	45	85	6	5	-	-	9	9	2500	1000.9	-10	WSW	9	z	55	85	6	5	-	7.8	7.8	2500	1	*	54	42	39	2	1	3.4	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1003.5	+16	SSW	4	bc	53	75	8	5	3	-	4.6	4.6	1500	1	*	52	45	42	1	-	4.5			
	Upper Heyford ...	408	1006.9	-6	SSW	4	ido	48	85	6	5	7	-	7.8	10	3000	1005.6	+6	SW	6	e/d	54	92	9	5	3	7.8	7.8	700	1	*	54	44	33	3	0.3	*	
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1005.7	+26	SW	5	bcq	54	75	7	5	4	-	1	4.6	1500	1	*	54	47	41	4	0.4	3.5			
5	Hartland Point ...	299	1003.1	-24	SSW	7	c	54	85	8	5	2	-	4.6	10	2500	1007.6	+46	W	5	c	53	85	8	5	6	-	2.3	7.8	2000	1	4	53	51	50	-	6	2.2
	Bristol ...	209	1006.8	-12	S	6	c	53	85	7	5	2	-	7.8	10	1600	1007.4	+18	WSW	5	c	54	85	7	5	3	-	4.6	7.8	1200	1	*	54	47	41	0.1	1	4.8
	Portland Bill ...	32	1008.8	+8	N	5	o	50	92	7	5	-	-	10	10	2500	1008.8	+6	SW	5	dd	53	92	7	5	-	10	10	2500	1	4	54	49	*	-	0.1	*	
	Plymouth ...	82	1008.2	-10	WSW	5	z	54	92	6	5	-	-	10	10	2000	1009.4	+18	WNW	5	ido	55	97	6	5	-	9	9	1500	1	3	(53)	51	46	Tr	1	2.2	
	The Lizard ...	240	1007.8	-4	SSW	7	m	54	97	4	5	-	-	10	10	800	1009.3	+30	WS	5	c	54	97	6	8	2	-	9	10	1500	1	4	54	52	*	-	1	0.3
	Scilly (St. Mary's) ...	163	1005.4	-10	SW	6	c	54	97	6	5	2	-	9	10	1500	1008.9	+30	SW	5	bc	52	92	7	5	3	-	1	4.6	1500	1	3	53	51	*	-	0.4	0.2
	Guernsey ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
6	Pembroke ...	142	998.6	-20	SW	8	rr	54	92	6	8	2	-	7.8	10	1500	1005.8	+32	W	6	cq	53	75	7	8	2	-	2.3	9	1600	1	4	55	52	*	-	2	5.4
7	Holyhead ...	26	996.5	-46	SE	6	r	50	97	6	6	2	-	4.6	10	900	1000.3	+70	WSW	7	c	50	85	8	8	-	9	9	3500	1	5	52	48	46	0.2	5	6.2	
	Chester (Sealand) ...	16	999.9	-32	SE	4	ir	48	85	6	5	2	-	7.8	9	1800	1000.4	+44	WS	5	c	53	65	7	5	3	-	4.6	7.8	1500	1	*	54	47	33	1	0.5	5.1
8	Manchester ...	70	1001.2	-16	SE	3	r	47	85	6	5	2	-	9	10	1200	1000.1	+30	WSW	7	c	53	65	7	8	3	-	7.8	9	1800	1	*	51	43	37	2	0.3	2.4
10	Spurn Head ...	29	1004.4	+4	SE	4	c	44	85	7	-	2	-	0	9	-	997.6	-20	SW	6	cq	53	85	7	9	9	-	4.6	7.8	1500	0	4	50	43	*	2	0.4	1.3
	Catterick ...	175	1000.7	-6	SE	2	af	47	85	7	5	7	-	9	10	5300	993.3	-22	WS	6	bc	52	65	7	5	3	-	2.3	2.3	4000	1	*	51	42	42	0.4	1	4.6
	Tynemouth ...	108	1000.4	+8	WSW	3	c	46	85	6	8	-	-	7.8	7.8	2800	987.3	-64	SW	9	bcq	54	65	6	2	-	4.6	4.6	2600	1	3	52	45	40	1	0.3	*	
11	St. Abbs Head ...	280	997.0	-8	SW	4	c	44	75	8	5	2	-	7.8	10	2500	978.4	-120	SE	8	af	51	65	7	5	2	-	7.8	10	2000	1	4	50	43	*	5	1	*
	Leuchars ...	36	995.1	+2	SW	4	c	45	85	8	5	7	-	4.6	10	3500	978.4	-114	S	6	rr	48	92	6	6	2	-	9	10	700	1	*	50	42	37	2	3	1.3
12	Renfrew (Abbots L.) ...	19	994.2	-22	SSW	3	pr	46	85	7	8	-	-	10	10	1500	980.3	-26	WSW	6	do	51	97	6	5	2	-	7.8	10	1000	2	*	53	43	38	3	7	1.6
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Point of Ayre ...	30	996.5	-20	S	3	r	45	97	7	8	2	-	7.8	10	1500	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	991.8	+90	NW	6	af	45	92	7	8	-	-	7.8	7.8	1500	1	4	50	40	*	*	20	2.7			
13B	Stornoway ...	80	988.7	-4	SW	4	pr	45	75	7	8	7	-	7.8	9	2500	988.7	+12	W	2	r	42	92	7	5	2	-	9	9	1500	1	1	47	41	*	*	2	1.4
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	980.3	-32	SE	5	rr	46	97	6	6	2	-	4.6	10	1500	1	3	50	42	37	2	8	0.4			
	Wick ...	81	990.7	+18	SW	3	c	42	85	7	5	1	8	7.8	9	2500	987.6	-18	SE	4	rr	43	85	6	5	2	-	7.8	10	800	1	2	47	40	*	12	2	*
16	Lerwick ...	156	986.5	+48	W	6	pr	46	85	8	8	7	-	4.6	7.8	1500	988.1	0	SW	5	c	45	92	7	8	7	-	7.8	10	800	1	*	50	44	*	8	3	0.0
17	Blacksod Point ...	18	*	-10	SE	7	RR	44	97	6	6	-	-	10	10	1150	1000.4	+66	WNW	5	c	47	85	8	9	-	9	9	1500	1	4	52	44	*	1	8	*	
18	Malin Head ...	84	985.6	-76	SE	5	ir	44	85	5	3																											



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 22nd November, 1940.

No. 28,855.

OBSERVATIONS at 13h. G.M.T. 21st November.														OBSERVATIONS at 18h. G.M.T. 21st November.														PAST 24 HOURS.							
DIRECTION.	STATIONS.	Barom. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. (29)	Sea. 0-9 (30)	WEATHER.					
				Dirac. 0-12 (3)	Force. (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. 21st... (37)	13h.-18h. 21st... (38)	18h.-22nd 1h. 22nd (39)	1h.-7h. 22nd (40)		
1	London (Kew)...	1011.4	+8	W	3	e	58	75	7	5	3	-	7-8	2	1009.3	-20	SW	4	c/p	54	97	6	6	2	-	9	10	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Croydon ...	1011.1	+6	SW	2	bc	60	75	7	2	3	-	2-3	7-8	1009.7	-12	SW	2	c	56	85	5	6	-	-	10	10	400	1	*	ddd,pr,bc	or,fo	pr,rc	cm,rc	pr,rc
	S. Farnborough	1011.2	+2	SW	3	c	57	75	8	7	7	-	2-3	2-3	1009.4	-16	SW	5	d,do	56	97	5	6	2	-	9	10	600	1	*	d,be	dr,rd,c	ddd,rc	pr,rc	cm,rc
	Boscombe Down	1010.9	0	SW	2	1/2	55	75	7	5	6	-	7-8	2	1007.8	-24	SW	6	1/2	55	97	4	6	2	-	9	10	400	1	*	cid,rc	dr,rd,c	ddd,rc	pr,rc	cm,rc
	Calshot (Soton.)	1012.0	+6	SW	3	id	53	97	6	5	7	-	4-6	10	1003.6	-14	SW	6	1/2	55	97	4	6	2	-	9	10	800	1	4	ddd,rc	dr,rd,c	ddd,rc	pr,rc	cm,rc
	Lympe	1013.7	+10	SW	3	d,do	54	97	2	-	-	-	10	10	1012.9	-10	SW	4	2	54	97	6	5	-	-	9	9	500	1	4	ddd,rc	dr,rd,c	ddd,rc	pr,rc	cm,rc
	Manston	1012.5	+10	SW	4	d,do	56	97	5	6	-	-	9	9	1011.9	-6	SW	4	d,do	55	97	5	6	-	-	10	10	200	1	*	ddd,rc	dr,rd,c	ddd,rc	pr,rc	cm,rc
2	Shoeburyness ...	1012.0	+16	SW	3	bc	59	85	7	8	3	-	4-6	4-6	1011.4	-8	SW	3	ir	54	97	6	5	-	-	10	10	2500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Felixstowe ...	1011.1	+22	SW	3	bc	53	92	6	2	3	-	2-3	7-8	1010.8	-4	SW	3	ir	51	97	4	5	-	-	10	10	1000	1	1	ddd,rc	dr,rd,c	ddd,rc	pr,rc	cm,rc
	Gorleston	1010.5	+36	W/S	4	c	58	75	7	5	5	-	4-6	7-8	1011.9	+4	S	2	0	53	75	4	5	-	-	10	10	800	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Mildenhall	1010.0	+22	W/S	4	c	55	75	7	5	7	-	4-6	9	1010.1	-10	SE	2	ir	51	85	6	5	-	-	10	10	2400	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Cranwell	1010.7	+4.2	W/N	5	c	51	75	7	5	7	-	4-6	10	1010.1	-2	SW	2	ir	47	92	6	5	-	-	10	10	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
3	Birmingham	1009.8	+14	SW	2	c	50	75	7	-	2	-	0	10	1008.4	-14	ENE	2	rr	46	92	4	6	-	-	10	10	800	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Upper Heyford	1009.7	+16	SW	4	ir	52	75	7	5	2	-	4-6	10	1008.7	-20	SE	2	dd	50	97	6	-	2	-	10	10	1200	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
4	Ross-on-Wye ...	1009.9	+4	S	2	ir	52	75	6	-	2	-	0	10	1007.0	-26	E/N	2	RR	48	97	5	6	-	-	10	10	800	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
5	Hartland Point	1009.3	-6	S	2	ir	52	92	7	5	2	-	4-6	10	1008.4	-26	SW	5	RR	54	97	6	8	2	-	4-6	10	1500	1	4	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Bristol ...	1011.1	+10	SW	2	ir	54	85	7	5	1	-	9	9	1009.6	-26	S	4	rr	51	97	4	6	2	-	9	10	400	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Portland Bill ...	1011.0	-12	SW	3	ir	53	92	7	5	1	-	10	10	1009.6	-26	S	4	rr	51	97	4	6	2	-	9	10	400	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Plymouth ...	1010.3	-10	-	0	d,do	52	97	5	-	2	-	10	10	1005.1	-42	S	9	ir	55	97	4	-	2	-	10	10	200	2	5	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	The Lizard	1009.5	-20	-	0	d,do	53	97	3	-	-	-	10	10	1002.5	-42	SW	8	ir	55	97	4	5	-	-	10	10	800	1	4	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Scilly (St. Mary's)	1009.0	-22	SE	3	ir	52	97	6	5	2	-	7-8	10	1001.0	-22	SW	6	Dr	55	97	5	5	-	-	10	10	500	1	4	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Guernsey ...	1009.0	-22	SE	3	ir	52	97	6	5	2	-	7-8	10	1001.0	-22	SW	6	Dr	55	97	5	5	-	-	10	10	500	1	4	cd,rc	ir,DDdm	cid,d,cr	cro	cro
6	Pembroke ...	1009.3	+14	S/E	3	ir	56	97	7	5	2	-	7-8	10	1003.6	-20	ENE	4	rr	49	97	6	5	-	-	10	10	1500	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
7	Holyhead ...	1007.8	+10	SW/W	3	c	50	85	8	7	2	-	2-3	10	1006.3	-12	E/N	3	2	48	97	6	5	-	-	10	10	3000	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Chester (Sealand)	1008.5	+24	SW/W	2	c	51	75	7	5	2	-	4-6	10	1007.8	-12	SE/S	1	ir	47	85	5	-	2	-	10	10	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
8	Manchester ...	1008.9	+26	W/S	3	2	50	75	6	8	7	-	4-6	10	1008.4	-12	E	1	1	47	85	3	-	2	-	10	10	2200	0	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
10	Spurn Head	1007.0	+28	SW/W	6	cq	50	75	7	5	-	-	9	9	1010.0	+4	SE	3	2	47	92	6	5	-	-	10	10	1500	0	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Catterick	1005.9	+42	WNW	4	c	49	75	8	5	2	-	2-3	10	1008.9	+3	S	2	2	47	75	6	5	7	-	2-3	10	3000	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Tynemouth	1004.4	+60	W	6	bc	50	65	7	8	3	-	2-3	4-6	1008.4	+8	SW	2	2	48	75	5	8	-	-	9	9	2800	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
11	St. Abbs Head	1000.6	+20	W	8	bcq	43	75	8	4	5	7	2-3	4-6	1006.0	+10	W	4	cq	45	65	7	4	2	-	4-6	9	2500	1	3	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Leuchars	1000.2	+78	W	6	bc	50	65	9	2	7	4	1	4-6	1004.8	+8	W/S	4	b	42	85	8	-	-	4	0	2-3	-	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
12	Renfrew (Abbots L)	1003.2	+50	W/N	2	bc	50	85	8	3	-	3	2-3	4-6	1007.2	+22	SW/S	2	3	40	85	6	5	-	-	1	1	2000	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Eskdalemuir	1004.7	+50	W	4	c	48	75	8	5	3	-	2-3	9	1007.4	+12	S	1	c	40	92	7	8	-	-	10	10	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Point of Ayre	1006.4	+28	W	4	c	49	85	8	3	1	-	2-3	9	1007.4	+12	S	1	c	40	92	7	8	-	-	10	10	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
13a	Tiree ...	1000.7	+40	W/N	5	bc	50	75	8	8	-	-	4-6	4-6	1005.4	+20	WNW	3	bc	47	85	8	8	-	-	4-6	4-6	1800	0	3	cd,rc	ir,DDdm	cid,d,cr	cro	cro
13b	Stornoway	1000.8	+26	W	4	c	46	85	8	8	-	-	2-3	2-3	1001.9	+30	W/S	4	bc	42	85	8	8	-	-	3	4-6	1500	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
15	Dalwhinnie	1001.1	+56	SW	4	bc	40	92	8	2	-	-	4-6	4-6	1005.0	+16	W	4	bc	37	85	8	5	-	-	2-3	2-3	2500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Aberdeen	1003.3	+70	WNW	5	bc	47	75	8	8	-	-	2-3	2-3	1004.6	+32	WNW	2	b	43	75	7	5	-	-	3	Tr	2500	1	2	cd,rc	ir,DDdm	cid,d,cr	cro	cro
	Wick ...	1004.5	+44	WNW	3	bc	45	85	8	5	4	-	4-6	4-6	1001.0	+14	SW	1	b	39	85	8	8	-	-	Tr	Tr	1500	1	1	cd,rc	ir,DDdm	cid,d,cr	cro	cro
16	Lerwick...	1000.6	+13	W/S	4	pr	43	97	7	8	7	-	7-8	10	1005.6	+20	W	5	c/pr	45	85	7	8	7	-	4-6	7-8	1500	1	*	cd,rc	ir,DDdm	cid,d,cr	cro	cro
17	Blacksod Point...	1003.5	+14	W	2	c	51	75	8	5	-	-	9	9	1006.6	+16	W	2	c	45	85	7	5	-											



Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 21st Nov. .... 18h. G.M.T.						01h. G.M.T. 22nd Nov. .... 07h. G.M.T.					
III	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	C <sub>2</sub>	wwVhN <sub>h</sub>	DDFWN
10903	82746	58587	80	01853	22583	30	00753	22503	80	25853	23583
11555	81844	24585	52	88844	26587	86	89834	52695	87	81854	26585
203			8-	01053	24413				8-	01954	17514
2063-	25964	28384	40	00862	22412	50	00952	22302	50	00961	25201
21086	25954	22484	00	00990	22310	5-	01962	22314	54	00961	24300
220			30	01753	26303						
2303-	81537	26487	8-	01853	16283	50	00861	00002	8-	25745	12185
245 20	14303	24713	00	00990	56312	00	01990	24214	00	00890	21312
260 80	01763	01762	00	05690	22213	07	08490	00024	05	08490	28113
277			01	02790	19127	07	02790	28228	24	00951	32101
279			--	09548	18228				50	05653	28413
285											
288 27	02862	22428	02	02790	20228	5-	62448	04268	51	61444	31268
273									10	01662	15102
301 27	05654	26428	52	03454	00028	02	64548	06368	53	05653	32364
321 51	05653	50427	52	62565	00028	02	64558	02368	02	62658	32368
299 5-	22648	22663	52	05545	20227	5-	64548	04468	5-	62638	02668
292 77	02953	22517	5-	02768	10128	62	64644	02368	51	22643	30468
310 --	02633	24428	--	03428	24428				--	22428	32568
316 57	02763	20427	02	62448	20168	62	66426	08368	51	62544	65568
333 52	02961	21828	52	64645	00068	62	64645	04468	20	01853	32463
334 --	03856	20128							--	02654	30315
340 5-	02887	20317	02	64568	00068	02	64538	04268	84	01744	32864
136			5-	05678	14268	62	22737	52568	62	62637	30488
336 53	03745	24428	62	64645	20468				14	01752	28464
350 57	05652	23428							6-	62638	61468
368											
379 57	61654	22467	5-	67208	06368	53	05653	20428	6-	62528	62668
390 5-	05656	24816	5-	57338	16258	83	51645	50557	52	52447	00058
382 57	02854	22327	62	52525	10358	80	81744	17484	5-	22748	63568
438 --	57209	22558							8-	14737	23567
430 6-	64527	22368				53	61644	48568	53	61745	28468
409 52	61633	16368	5-	62508	50768	57	51635	21467	5-	02844	63784

III

= Index Number of Station—See M.O. 252 or list issued on 1st of each month.

ww, W

= Present and past weather—See M.O. 252.

h, N<sub>h</sub>

= Height and amount of low cloud—See M.O. 252.

N

= Total amount of cloud—See M.O. 252.

C<sub>1</sub>, C<sub>2</sub>

= Form of low and medium cloud—See page 1.

V

= Visibility. F = Force of wind—See page 4.

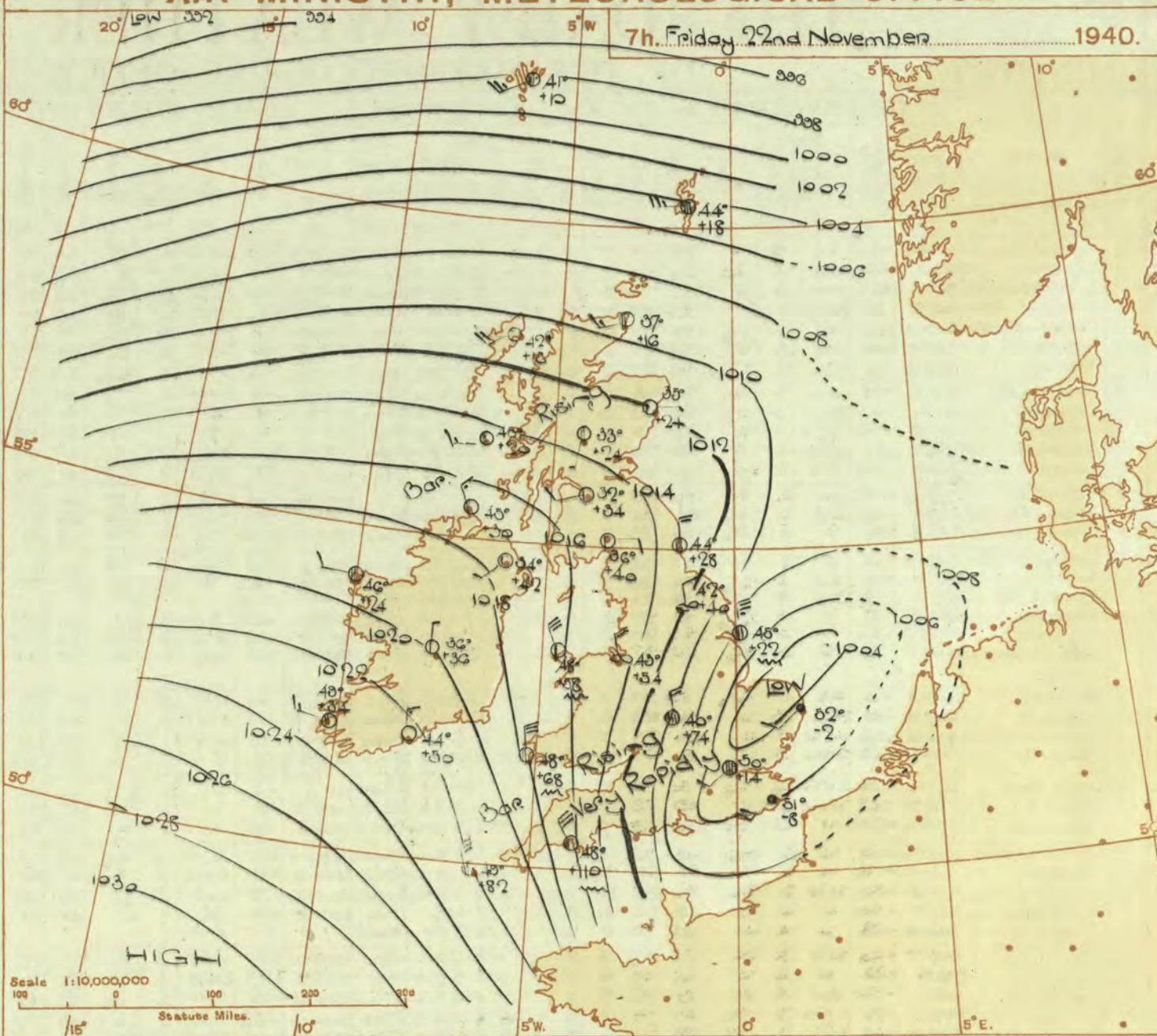
DD

= Direction of wind (S = E, 16 = S, 24 = W, 32 = N).

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 10 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 22nd November 1940.
1 S.E. England	Strong N. wind, gale on East Coast, moderating and backing W.; cloudy, rain near East Coast at first, becoming fine; rather cold.
2 E. England ...	
3 E. Midlands ...	Fresh or strong N.W. wind, moderating and backing W.; fair or fine, cloud increasing tomorrow; rather cold, becoming milder tomorrow.
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	Moderate W. wind, backing S.W. and becoming strong, probably a gale during the night on N. and N.W. coasts; fair at first apart from scattered showers in the West and North, rain spreading east later; becoming 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	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.



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

### GENERAL INFERENCE.

A depression over Eastern England is moving E.N.E. + filling up, & a pronounced wedge of high pressure is following, giving a fine interval. A trough of low pressure is expected to reach our N.W. coasts early tomorrow with rain and renewed gales in that area. A large anti-cyclone is developing off N.W. Spain and depressions will follow a more northerly track than of late, giving less rain in the South.

### FURTHER OUTLOOK.

A pronounced westerly type, stormy at times in the North; unsettled, but less rain than of late in the South; mild generally.

Warning of gales in operation in districts 1, 2, 5, 6, 7, 8, 12, 13, 16, 18 and 19. Times of issue 1420 and 1950 on 21/11 and 0215, 0900 and 1010 on 22/11.

Forecasts issued at 1030h G.M.T.

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

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

258/3555 402045 03708 5000 40348 11/40



# 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  
Friday 22nd November,  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> 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. (T) Thunderstorm. X Slight haze. &c

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. 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. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.				State of Ground.	Sea. 0-9	TEMPERATURE.			RAINFALL.		SUNSHINE 21st 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. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																0-12	0-10		0-10	0-10	0-10
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1004.3	+2.4	NW	3	ir	51	92	6	5	-	-	1500	1	*	59	50	48	5	4	2.4				
	Croydon	217	1004.9	-14	SSW	4	ir	55	85	5	5	-	-	800	1004.4	+1.4	SW	2	pr	50	97	6	5	-	-	600	1	*	61	49	48	3	7	1.5			
	S. Farnborough	226	1004.3	-16	SSW	5	ir	54	82	6	5	-	-	780	1006.3	+3.8	NNW	2	pr	49	92	7	5	-	-	900	1	*	59	49	47	3	7	2.6			
	Boscombe Down	417	1002.8	-20	SSW	6	ir	51	92	7	3	-	-	1200	1009.4	+8.8	NNW	6	pr	43	85	6	6	-	-	1000	1	*	56	42	41	3	14	0.0			
	Calshot (Stmntn.)	8	1003.9	-22	SW	6	pr	55	92	6	2	-	-	2000	1007.2	+5.6	NW	7	pr	48	85	6	5	-	-	1800	1	3	56	47	47	3	3	0.0			
	Lymington	346	1008.7	-22	SW	5	ir	55	92	7	3	-	-	800	1005.3	-8	SW	4	ir	51	97	6	6	-	-	1000	1	5	55	50	48	2	5	0.0			
	Manston	154	1007.5	-12	SSW	6	ir	55	92	6	5	-	-	800	1005.1	+2	SW	5	ir	51	92	6	6	-	-	1000	1	*	*	*	*	*	*	*			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1005.3	0	SW	2	c	50	97	6	5	-	-	1500	1	*	60	50	43	2	0.5	3.1				
	Felixstowe	15	1006.3	-12	SSW	5	ir	52	97	5	5	-	-	800	1005.0	+6	SW	3	ir	49	92	6	5	-	-	2500	1	2	*	*	*	*	*	*			
	Gorleston	5	1005.8	-12	SW	5	ir	53	85	6	6	-	-	1500	1004.7	-2	SW	2	ir	52	85	6	6	-	-	1500	1	3	58	50	48	-	2	3.0			
	Mildenhall	19	1003.6	-6	SW	5	ir	57	85	7	5	-	-	2100	1004.8	+2.2	NW	4	ir	50	97	6	6	-	-	800	1	*	58	50	47	Tr	7	2.5			
	Cranwell	240	1003.6	-22	ENE	3	ir	44	57	4	5	-	-	800	1009.5	+5.4	N	6	rr	42	97	5	5	-	-	800	2	*	55	42	42	1	28	1.3			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1012.5	+7.4	NNW	4	ir	40	92	6	5	-	-	1000	1	*	54	38	36	5	32	0.0				
	Upper Heyford	408	1002.9	-2	SSW	4	ir	52	92	7	5	-	-	1800	1009.2	+7.0	NE	6	ir	42	85	6	6	-	-	900	1	*	55	41	41	0.5	14	*			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1013.7	+8.2	N	4	bc	43	75	8	5	-	-	2500	1	*	54	41	39	9	12	0.2				
5	Hartland Point	299	998.5	-8	SW	4	c	51	85	8	5	-	-	1500	1017.0	+13.2	N	7	c	49	75	8	5	-	-	2000	1	4	55	50	44	19	10	0.0			
	Bristol	209	1001.4	-18	SSW	4	c	53	75	7	5	-	-	3000	1013.1	+11.4	NE	5	c	43	85	7	5	-	-	2000	1	*	55	42	40	3	11	1.0			
	Portland Bill	32	1001.1	-32	SW	5	o	53	92	7	5	-	-	2500	*	+9.6	NN	5	o	45	92	7	5	-	-	4000	1	4	56	43	*	*	*	*			
	Plymouth	82	993.0	-40	SSW	5	ir	52	97	5	6	-	-	200	1016.5	+10	NW	6	bc	48	75	7	5	-	-	1000	1	4	56	46	41	6	5	0.0			
	The Lizard	240	1000.3	-4	W	7	c	52	97	8	8	-	-	1500	1020.4	+4.4	NW	6	bc	48	75	8	6	-	-	2500	1	4	55	47	*	9	1	0.0			
	Scilly (St. Mary's)	163	1000.7	+28	NW	7	c	51	97	7	5	-	-	1200	1021.2	+8.2	NNW	6	bc	49	85	7	8	-	-	1500	1	3	55	47	*	10	4	0.0			
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
6	Pembroke	142	998.2	0	N	7	ir	48	97	7	8	-	-	2000	1018.1	+6.8	NNW	6	bc	48	75	7	5	-	-	2500	1	4	*	*	*	19	12	0.0			
7	Holyhead	26	1005.5	+32	NNE	7	rr	45	97	6	6	-	-	1200	1016.2	+5.8	NNW	6	bc	48	85	8	2	-	-	2500	1	4	52	43	42	*	17	0.0			
	Chester (Sealand)	16	1004.3	+2	N	7	rr	43	92	5	6	-	-	1000	1014.1	+5.4	NNW	4	zo	43	85	6	5	-	-	4000	1	*	53	41	39	Tr	21	0.2			
8	Manchester	10	1004.8	-4	NE	4	rr	42	85	6	6	-	-	1000	1013.8	+5.8	NW	3	zo	41	85	6	5	-	-	3000	2	*	53	*	36	-	18	0.0			
10	Spurn Head	29	1002.2	-24	NEN	5	ir	45	92	7	5	-	-	1500	1005.8	+2.2	NW	7	oq	45	92	7	6	-	-	1500	0	4	54	43	*	0.4	16	0.7			
	Catterick	175	1006.5	-10	NW	0	rr	42	97	4	2	-	-	900	1012.9	+4.0	NNW	2	zo	42	85	6	5	-	-	1500	1	*	51	41	39	Tr	12	2.6			
	Tynemouth	108	1008.8	-8	NW	2	rr	45	85	4	3	-	-	2000	1012.7	+2.8	N	4	c	44	85	6	8	-	-	2000	1	2	(50)	43	40	-	1	*			
11	St. Abbs Head	280	1007.5	0	WNW	3	c	43	85	6	5	-	-	2500	1012.0	+2.4	NW	3	bc	43	75	8	4	-	-	2500	0	2	54	43	*	1	-	5.3			
	Leuchars	36	1008.5	+14	SW	2	bc	39	85	7	-	-	-	0	1013.3	+3.0	W	2	b	38	85	8	-	-	-	-	1	*	51	35	29	0.1	-	5.3			
12	Renfrew (Abbots L.)	19	1009.3	+4	WSW	2	bc	36	97	4	-	-	-	0	1015.3	+3.4	W	2	zo	32	92	6	5	-	-	3000	1	*	52	31	25	2	0.1	3.2			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	+4.0	E	2	b	36	85	7	5	-	-	4000	1	*	47	35	29	0.2	Tr	*			
	Point of Ayre	30	*	*	*	*	*	*	*	*	*	*	*	*	1015.8	+4.8	N	4	b	47	85	8	5	-	-	2500	0	3	49	42	*	-	-	0.0			
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1013.5	+2.0	W	3	bc	45	85	8	8	-	-	2500	0	3	50	42	*	0.3	0.9	4.5			
13B	Stornoway	80	1005.7	+16	W	4	pr	41	85	7	3	-	-	2000	1009.9	+1.6	SW	4	bc	42	85	7	3	-	-	2500	1	2	48	39	*	1	0.4	3.5			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1013.2	+2.4	SSW	1	bc	35	97	8	1	-	-	4000	3	*	42	27	18	7	Tr	1.2			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	1012.6	+2.4	E	1	b	35	97	5	5	-	-	4000	3	2	48	31	24	1	-	5.0			
	Wick	81	1005.8	+18	SW	3	bc	40	85	8	5	-	-	2500	1009.9	+1.6	WSW	3	bc	37	85	8	5	-	-	2500	1	1	46	36	*	3	-	*			
16	Lerwick	156	1001.7	+14	W	5	pr	44	75	8	7	-	-	1500	1005.5	+1.8	W	5	c	44	65	8	8	-	-	1500	1	*	47								



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION.  
Saturday...23rd...November, 1940.  
No....28,856.

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. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Visibility. 0-12 (23)	Cloud.			Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	Sea. 0-9 (31)	WEATHER.									
				Direc.	Force. 0-12 (4)					Low.	Med.	High (11)			Low 0-10 (12)	Total 0-10 (13)					Height of Base. (feet) (14)	Direc.	Force 0-12 (18)				Low.	Med.	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base. (feet) (28)	7h.-18h. 22nd. (37)	18h.-18h. 22nd. (38)	18h.-18h. 22nd. (39)	1h.-7h. 23rd. (40)
1	London (Kew)...	1022.0	+4.0	NW	4	b	49	65	7	1	-	1	2-3	2500	1028.7	+3.4	SW	2	20	45	75	5	-	-	0	0	-	1	*	r, m, d, b, c	b, z	bmwx	b, c, r, x			
	Croydon ..	1020.5	+5.4	NW	4	z	49	65	6	1	-	1	2-3	2-3	2000	1028.0	+3.4	-	0	44	85	3	-	-	0	0	-	1	*	r, m, d, b, c	b, z	b, c, m, x	b, c, m, x			
	S. Farnborough	1022.7	+5.8	WNW	4	b	50	65	7	-	-	-	0	0	-	1028.9	+2.6	W/N	3	20	42	75	6	-	0	0	-	1	*	c, r, b	b, z	b, c, m, x	b, c, m, x			
	Boscombe Down	1024.1	+5.0	NW	5	b	49	65	8	1	-	-	Tr	Tr	2000	1029.1	+2.2	WNW	3	20	43	75	6	-	0	0	-	0	*	c, r, b	b, z	b, c, m, x	b, c, m, x			
	Calshot (Soton.)	1023.1	+5.4	NNW	5	b	51	65	8	1	-	-	Tr	Tr	3000	1029.2	+3.2	WNW	2	20	45	85	6	-	0	0	-	0	1	c, m, b, c, b	b, z	b, m, w	b, m, w			
	Lymington	1018.5	+7.0	NNW	6	c/pr	46	85	8	5	-	-	9	9	200	1027.3	+6.4	NNW	3	20	41	72	5	-	0	0	-	1	*	r, c, s, p, r	b, z	b, m, w	b, m, w			
	Manston	1018.9	+8.2	NNW	6	c/pr	47	85	7	5	-	-	9	9	700	1027.2	+4.2	NNW	4	20	46	85	6	-	0	0	-	1	*	d, c, s, p, r	c, g, b, m	b, m, w	b, m, w			
2	Shoeburyness ...	1019.3	+8.0	NW	4	bc	48	85	8	5	-	-	7-8	7-8	1500	1027.7	+4.2	NW	2	20	44	85	6	-	0	0	-	1	*	m, i, r, b, c	b, c, b, m	b, m, w	b, x, m			
	Felixstowe ...	1018.0	+8.2	NNW	4	c	48	75	7	5	2	-	9	9	2000	1026.5	+4.8	NW	4	20	46	85	6	-	0	0	-	1	2	c, i, r, d, c	b, b, m	b, m, w	b, m, w			
	Gorleston	1016.6	+7.6	NNW	6	bc	47	85	7	2	-	-	4-6	4-6	2200	1025.0	+4.4	NW	3	20	45	75	6	-	0	0	-	1	3	c, i, r, b, c	b, c, p, r, b	b, z	b, x, b			
	Mildenhall	1019.2	+6.0	NNW	5	bc	48	85	7	8	-	-	2-3	2-3	2500	1026.7	+3.6	SW	2	20	42	85	6	-	0	0	-	1	*	c, i, r, c, b, c	b, c, b, m	b, m	b, m, c, m, w			
	Cranwell	1021.3	+5.4	NNW	5	z	49	65	6	-	-	-	0	0	-	1027.2	+3.4	WNW	3	20	39	85	5	-	0	0	-	1	*	r, r, m, b, m	b, z	b, m	b, c, c, m			
3	Birmingham	1023.3	+4.0	NW	4	b	47	65	6	-	-	-	0	0	-	1027.3	+2.4	WNW	2	m	43	75	8	-	0	0	-	1	*	c, b	b, m	b	b, w, c			
	Upper Heyford	1022.5	+4.6	NW	4	z	47	75	6	-	-	-	0	0	-	1028.3	+3.2	W/N	2	b	43	75	7	-	0	0	-	1	*	c, d, b, c, b, m	b, m, b	b, m	b, c, c, m			
4	Ross-on-Wye ...	1024.3	+3.4	NW	4	bc	50	65	8	1	-	-	1	1	4000	1028.3	+2.0	SW	2	bc	43	75	8	5	-	Tr	Tr	2500	1	*	b, c, b, b	b, b	b	b, c, c		
5	Hartland Point	1026.8	+3.2	NNW	3	bc	49	75	8	1	-	-	2-3	2-3	2500	1029.6	+1.4	NW	3	bc	49	75	8	7	-	2-3	2-3	2500	1	3	c, b, c	b, c	b, c	b, c, p, c		
	Bristol ...	1025.2	+4.2	NW	4	b	50	75	8	1	-	-	Tr	Tr	2200	1030.1	+1.4	WSW	2	z	42	85	6	-	0	0	-	1	*	b	b, b, m	b, m, b, x, w	b, c, c, w			
	Portland Bill														1029.8	+3.0	NW	4	bc	52	85	8	5	-	4-6	4-6	4000	1	4	b, c, b, c	b, c, b, c	b, m	b, c, c			
	Plymouth	1027.5	+3.4	NNW	4	bc	52	55	8	2	-	-	4-6	4-6	2200	1031.1	+2.2	W	1	m	45	85	4	1	-	Tr	Tr	2500	0	2	b, c, b, c, y	b, c, y, b, m	b, m, b, e, m, b, m	b, c, m, p, r, c		
	The Lizard	1028.5	+3.0	NW	4	bc	51	75	8	2	-	-	4-6	4-6	3000	1030.6	+1.0	W/N	4	bc	49	85	8	8	6	4-6	4-6	2500	1	2	b, c	b, c	b, c	b, c, c		
	Scilly (St. Mary's)	1028.9	+2.0	WNW	3	bc	54	75	8	1	-	-	2-3	2-3	2500	1030.5	+7.8	SW	4	b	49	85	8	8	-	1	2500	1	2	b, c, b	b	b, c, w	b, c, c, p, r			
	Guernsey																																			
6	Pembroke ...	1027.0	+3.0	NW	4	bc	50	75	8	2	-	-	2-3	2-3	3000	1027.8	+7.8	WSW	4	bc	51	75	8	5	5	4-6	4-6	3000	1	3	b, c	b, c, w	b, c, c	c		
7	Holyhead	1024.3	+3.0	W/N	4	bc	51	75	8	2	-	-	Tr	Tr	2800	1025.8	+4	SW	4	bc	48	75	8	2	-	1	1	2600	1	2	b, c, b, c	b, b, c, b, z	b, b, c, m	b, c, c, m		
	Chester (Sealand)	1023.6	+3.8	WNW	4	bc	50	75	8	1	-	-	2-3	2-3	2500	1026.9	+1.6	SW	2	b	42	75	5	-	0	0	-	1	*	*	b, b, c, b, z	b, b, c, m	b, c, c, m	b, c, c, m		
8	Manchester ...	1023.0	+3.8	WNW	4	bc	48	65	7	-	-	-	0	0	-	1026.8	+2.2	SW	2	m	40	85	4	-	0	0	-	1	*	b, c, m, b	b, z, m, m	b, m, b, m	b, c, m, c, m			
10	Spurn Head	1018.7	+3.8	NE	6	bc	47	85	7	-	3	1	0	4-6	-	1028.1	+2.0	W/S	4	b	44	75	7	-	0	0	-	1	3	c, b, c	b, c, b	b	c			
	Catterick	1021.1	+3.4	NNW	3	b	48	55	8	-	-	-	0	0	-	1024.9	+2.4	S	1	b	41	85	7	-	0	0	-	1	*	b, c, y	b, y, b	b, m, b, m, w	b, c, w, m, e			
	Tynemouth	1020.3	+2.0	WNW	3	bc	47	65	6	-	4	-	0	2-3	-	1024.3	+1.0	SW	3	z	44	75	5	-	4	0	2-3	-	1	2	c, b, c	b, c	b, c	b, c, c		
11	St. Abbs Head	1018.6	+2.6	NW	4	bc	46	85	8	4	4	-	1	2-3	2500	1020.0	0	WSW	4	bc	43	65	8	4	5	2-3	4-6	2500	0	2	b, c	b, c	b, c, c	c, q		
	Leuchars	1018.0	+1.2	WSW	3	z	46	75	6	-	-	1	0	Tr	-	1019.1	+4	WSW	4	z	43	85	6	-	4	5	0	4-6	-	1	*	b, x, b, c, b, m	b, b, c, m	b, c, m, c	c, q, c, i, r	
12	Renfrew (Abbots I.)	1019.5	+1.0	SW	3	bc	49	75	8	2	3	-	7-8	7-8	2500	1020.8	+2	SW	3	z	46	85	6	5	-	4-6	4-6	3000	1	*	b, m, g, f, g, b	b, c, z	b, c, m	c, m, r, r, i, t		
	Eskdalemuir	1020.7	+2.6	WNW	2	b	44	75	8	1	-	-	2-3	2-3	4000	1022.9	+6	SW	2	bc	37	85	8	5	4	Tr	2-3	2500	1	*	b, x, w	b	c	c, o, i, r		
	Point of Ayre	1022.4	+2.2	W/N	5	b	50	75	8	1	-	-	Tr	Tr	2500	1023.9	+8	W/S	4	bc	44	92	8	4	-	2-3	2-3	2500	0	2	b	b, b, c	c	c		
13A	Tiree ...	1015.8	+2	SW	6	c	49	85	7	5	-	-	9	9	2100	1014.5	-2	SW	7	0	50	92	7	5	-	10	10	1500	0	5	b, c, c	c	c	c, i, r		
13B	Stornoway	1009.7	-1.6	SW	7	c/pr	49	75	8	8	7	-	7-8	9	2000	1008.7	-4	SSW	8	r	51	85	6	5	2	-	9	10	1000	1	3	b, c, p, r	c, r, r	c, r, r, b, c	c, i, r, b, c	
15	Dalwhinnie	1018.2	+1.6	SSW	3	bc	42	75	8	1	-	-	2-3	2-3	2500	1017.4	-4	SE	4	0	41	85	7	5	2	-	9	10	1500	0	*	b, c	b, c, c	b, c, c	c, i, r, b, c	
	Aberdeen	1016.8	+1.2	S/E	2	b	46	75	6	-	-	1	0	Tr	-	1017.0	-4	S	2	bc	42	85	4	-	7	3	0	4-6	-	1	2	b, f, b	b, c, z	b, c, z	b, c	
	Wick	1013.0	+0.6	SW	4	bc	43	75	8	4	5	-	1	2-3	2500	1011.4	-8	SW	6	c, q	46	75	7	5	2	-	7-8	10	1500	1	2	b, c, p, r	b, c, q	b, c, q	b, c, q	
16	Lerwick...	1009.3	+1.2	SW	5	c	47	65	8	8	7	-	4-6	7-8	800	1007.1	+1.2	SSW	6	i, r	46	75	6	5	2	-	7-8	10	2500	1	*	c, p, r, c	c, p, r, c	c, i, r, m	c, i, r	
17	Blackrod Point...	1020.1	+4	SW	5	bc	51	75	8	3	5	-	2-3	7-8	2500	1018.7	-1.4	SSW	6	a, q	52	85	7	9	-	10	10	800	1	4	b, c	c, q	p, c, q	b, c, c		
18	Malin Head ...	1018.5	+8	SW	4	c	49	75	8	5	-	4	4-6	7-8	5700	1017.6	-3	SW	5	c	48	75	8	9	-	7-8	7-8	4000	0	4	b, c	c	c	c		
	Aldergrove	1022.1	+1.4	SSW	3	b	46	75	7	-	4	-	0	Tr	-	1022.1	-2	S	4	bc	44	85	7	5	-	4-6	4-6	4800	1	*	b, x, b	b, b, c	b, c, c	i, r, o, i, r, v, r, o		
19	Birr Castle	1025.1	+1.6	SW	2	b	50	75	8	-	-	-	0	0	-	1025.1	-2	SW	1	bc	46	85	8	-	4	0	2-3	-	1	3	b, c, c	b, c	c	c, r, r		
20	Valentia Obsy. †	1026.4	+6	SW	5	bc	52	75	9	2	-	1	4-6	0-0	2500	1025.6	-2	SW	5	c	51	85	8	5	1	3	1	7-8	1500	0	3	b, c, p, r, b, c	b, c	b, c	c, i, r, r, r, c	
	Roche's Point	1026.8	+1.0	WNW	3	bc	50	75	8	3	-	1	2-3	2-3	2500	1027.0	+2	WSW	3	bc	49	85	8	5	7	5	2-3	4-6	2500	1	3	b, b, c	b, c	b, c	c, i, r	

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<sub>o</sub>/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.  
ra, 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;  
initial o indicates slight; repetition  
of letters indicates continuity: thus  
R, heavy rain. r<sub>o</sub>, 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.

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 decreasing (often lenticular).
- 5 Ac in bands (increasing).
- 6 Ac formed from the spreading out of Cu.
- 7 Ac associated with As or As with parts resembling Ac.
- 8 Ac Castellatus (or Ac in ragged fragments).
- 9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud form abbreviations:—

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

COLUMN 29 — STATE OF GROUND.

- | 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.        |   |

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 Ce predominating, and a little cirrus.  
(Ce may occur with any of the types 1 to 8).

atus,-Cs:	Altocumulus,-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.



Abridged observations of additional stations in the

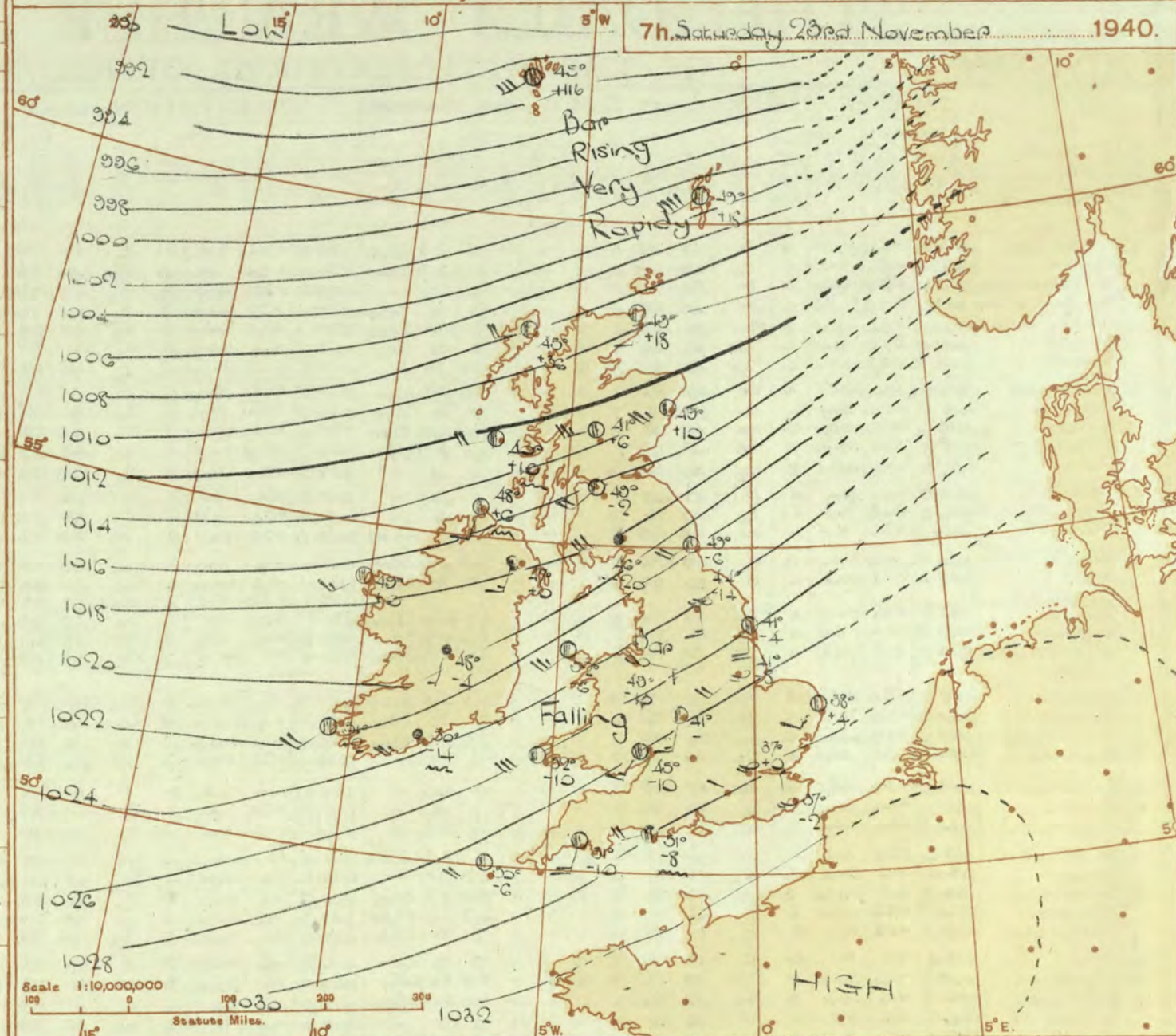
# AVIATION WEATHER CODE

13h. G.M.T. 22nd Nov. .... 18h. G.M.T.				01h. G.M.T. 23rd Nov. .... 07h. G.M.T.								
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN			
10953	01853	-----	52	02754	51525	5-	02857	18627	5-	01764	22564	
115							52	31734	53587	52	31744	57783
203							5-	64738	51868			
2067	01861	22141	5-	01864	51524	5-	01755	53525	52	01852	22463	
2102	00390	21403	57	01864	19525	5-	01955	53715	51	01963	51614	
220				62	03645	21528						
2308	01855	53515	57	02754	53527	52	22747	18668	5-	65647	19567	
24510	00361	20302	01	05590	51526	51	01763	55714	51	01754	53525	
26000	00790	22300	03	00890	20412	50	01864	53514	52	65650	20468	
277				54	01862	19513	02	01790	7628	52	62657	18668
279				--	05690	20303	--	01765	20515			
28570	00862	30552	40	00851	32401				9-	02747	18487	
28800	00790	20311	00	00790	19200	54	05663	20403	57	05664	18428	
273									30	01662	16482	
30120	00752	25203	20	00751	25201	51	05663	18314	52	05655	14528	
32100	17590	28360	00	17590	25200							
29950	05543	28113	00	00790	24300				57	05555	22327	
29900	00830	20301	00	00790	00000	00	05690	18203	07	05690	18226	
310												
31600	05590	30310	00	08490	22100	00	00590	22202	07	01590	22314	
33320	00861	28401	40	00863	24203	51	02754	19415	51	02754	20568	
334	01861	30101					--	03558	22328			
34020	01863	28113	00	00890	00000	00	00790	14302	57	05653	16327	
136				00	01690	26200			04	05690	18315	
33614	01852	32414	10	01862	04502							
35000	05690	21310							02	02790	18327	
368												
37910	00781	28401	00	05690	26100	00	05690	24202	03	05690	22304	
39046	05654	61524					00	08490	24200	01	45290	22348
38200	00790	28400	60	05690	00000	00	05590	00000	04	01790	00015	
4388	02757	32227							51	01763	24115	
43010	00851	28501	00	05690	28100	00	05590	00000	53	08442	30116	
40910	01844	61314	10	01743	24113	00	00790	17302	57	02854	16327	

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>W</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 23rd November 1940.



### DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 23rd November, 1940.

1 S.E. England	Moderate S.W. wind ; mainly cloudy, occasional slight rain ; milder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate or fresh S.W. wind, strong locally on coast ; cloudy, occasional rain ; mild
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Moderate or fresh S.W. wind, strong later, with gale in places ; fair at first apart from scattered showers, some rain later ; mild
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W.Scotland.	
14 Mid Scotland	Strong S.W. wind, gale at times ; cloudy, occasional rain ; mild.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 11-12.
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.

Pressure is high from the Azores to Central Europe and low over Iceland. Further disturbances will move northeastward off our N.W. Coasts. Weather will be mild and unsettled, but rainfall will be slight in the Southeast.

### FURTHER OUTLOOK.

Mild and unsettled, but little rain in the Southeast.  
 Gale warning in operation in district 16.  
 Time of issue 1010 22/11

Forecasts issued at 1030h G.M.T.

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

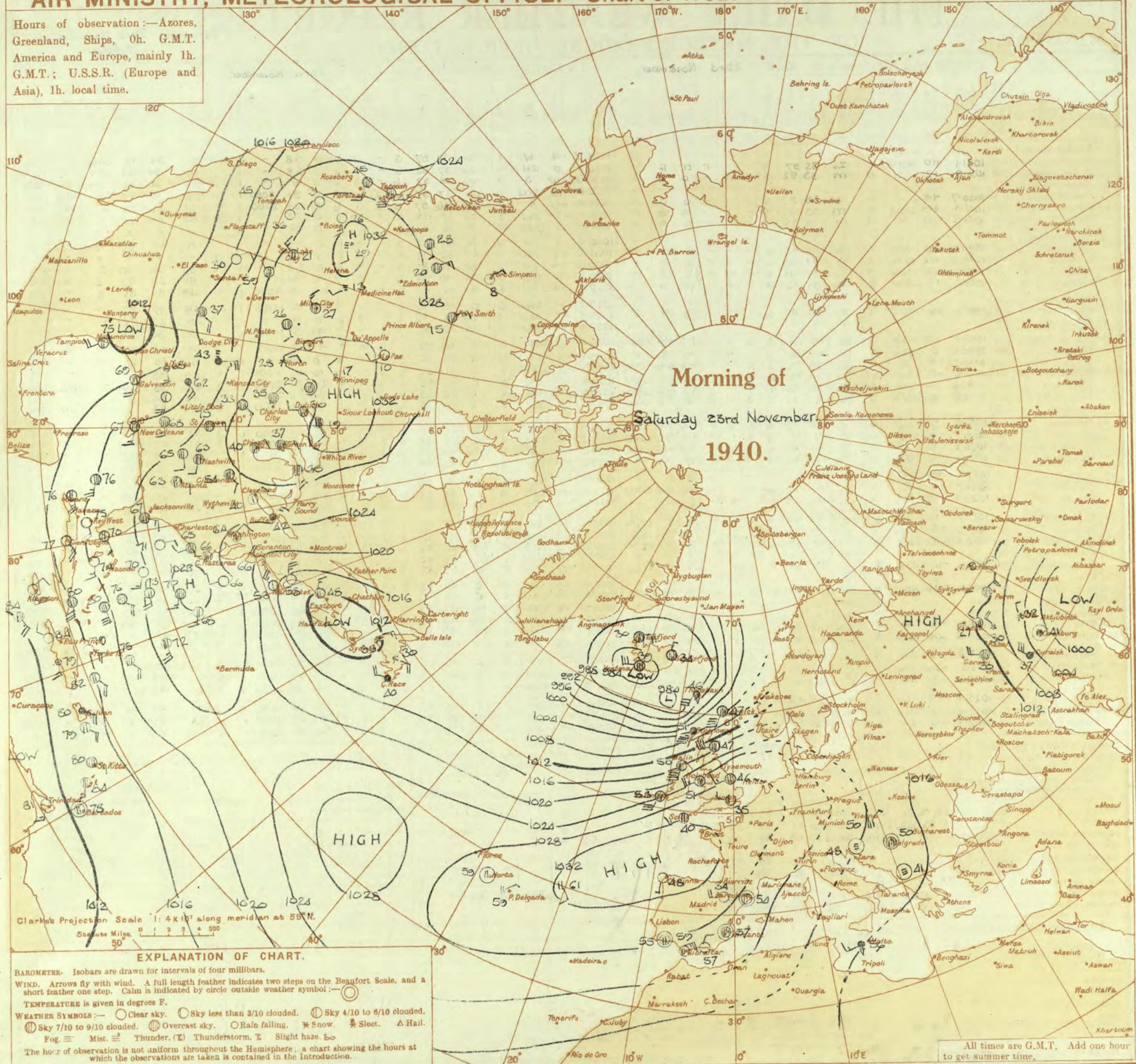
H.M.S.O. Press, Cornwall House, S.E.1.

558/3955. 20.0045. 0.3705. 3000. 0.9448. 11/40.



# 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. 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. 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.				Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 22nd Hrs. (36)					
					Direc.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Direc.	Force.			Form.	Amount.					Height of Base. (feet) (25)	State of Ground. 0-9 (29)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)		Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)								
																																0-12 (3)	13-24 (4)		Low 0-10 (9)	Med. 10-11 (10)	High 11-12 (11)	Low 0-10 (23)	Med. 10-11 (24)
1	London (Kew) ... 18	1031.1	+10	WNW	1	z	35	97	6	*	*	*	*	1030.7	-4	W	1	z	35	97	5	-	7	6	0	7.8	1	51	34	19	0.6	Tr	3.4						
	Croydon ... 217	1031.1	+10	WNW	1	z	35	97	6	*	*	*	*	1030.7	0	SW	2	z	37	92	6	-	4	6	0	7.8	1	51	34	32	0.1	-	2.0						
	S. Farnborough ... 226	1031.3	+2	-	0	m	33	92	4	-	-	-	-	1030.6	-10	S	3	z	38	97	6	-	3	6	0	9	1	50	31	23	0.1	Tr	4.4						
	Boscombe Down ... 417	1030.7	+4	-	0	z	38	97	6	-	-	-	-	1030.0	-12	SSW	3	cif	37	97	6	2	2	1	9+	3000	49	32	27	-	0.1	6.7							
	Calshot (Stmntn.) ... 8	1030.7	+4	-	0	z	38	97	6	-	-	-	-	1030.4	-6	S	2	z	46	97	5	2	3	6	1	9+	51	36	29	-	-	6.1							
	Lympe ... 346	1031.4	+4	WSW	1	m	35	97	4	-	-	-	-	1031.1	-2	SW	2	z	37	85	6	-	8	0	7.8	1	52	33	24	1	-	1.8							
	Manston ... 154	1031.2	+10	W	2	m	38	92	4	-	-	-	-	1031.1	-2	SW/S	3	z	36	92	5	-	3	1	0	7.8	1	51	34	23	-	-	1.8						
2	Shoeburyness ... 11	1030.6	+10	WSW	1	z	40	92	5	*	*	*	*	1030.8	-2	SW	2	bc	39	92	5	-	1	0	2.3	1	51	37	23	Tr	-	1.5							
	Felixstowe ... 15	1030.6	+10	WSW	1	z	40	92	5	*	*	*	*	1030.5	+2	WSW	2	m	39	92	4	-	4	1	0	2.3	1	51	37	23	Tr	-	1.5						
	Gorleston ... 5	1029.3	+12	WSW	2	b	39	85	6	-	-	-	-	1029.6	+4	SW	2	bc	38	85	6	-	8	0	2.3	1	52	36	30	2	-	1.2							
	Mildenhall ... 19	1029.3	+6	SSW	3	z	37	85	6	-	-	-	-	1029.3	-6	SSW	3	z	40	85	6	-	3	7	0	9+	51	35	27	2	Tr	2.5							
	Cranwell ... 240	1028.8	+2	SW	3	z	39	85	5	-	-	-	-	1027.3	-8	SW	4	z	41	85	5	5	7	4	6	9+	49	37	35	2	-	5.3							
3	Birmingham ... 535	1031.1	+6	SW/S	2	z	34	97	6	-	-	-	-	1027.2	-4	SSW	3	C	41	97	6	5	-	7	2.3	10	48	37	32	-	-	5.4							
	Upper Heyford ... 408	1031.1	+6	SW/S	2	z	34	97	6	-	-	-	-	1029.5	-8	SSW	1	z	35	97	5	-	7	6	0	9+	49	33	22	0.1	-	1.3							
4	Ross-on-Wye ... 223	1031.1	+6	SW/S	2	z	34	97	6	-	-	-	-	1027.9	-10	SW	3	C	43	92	7	5	-	7	4	6	9	50	36	28	-	-	7.3						
5	Hartland Point ... 299	1029.2	-8	WSW	4	bc	49	85	8	2	4	-	2.3	2.3	2000	1026.5	-14	WSW	5	C	50	92	8	2	-	4	6	51	47	43	-	Tr	6.5						
	Bristol ... 209	1030.6	0	SSW	3	b	43	85	7	-	4	-	0	Tr	-	1029.1	-6	SW	4	C	43	92	7	-	1	8	0	51	39	26	-	-	7.5						
	Portland Bill ... 32	1031.7	+4	W	3	bc	50	92	8	5	-	-	4	6	4000	1030.2	-8	WSW	4	0	51	92	8	5	-	10	10	52	48	-	-	-	7.5						
	Plymouth ... 82	1031.6	-2	SW	2	z	38	92	5	5	-	-	4	6	2500	1029.8	-10	SW	4	C	51	85	6	2	4	6	2	53	36	36	-	0.3	6.4						
	The Lizard ... 240	1030.8	-4	SW	5	bc	50	85	8	5	-	-	4	6	2500	1028.9	-10	SW	4	C	50	92	7	8	-	7	8	53	48	-	-	-	7.3						
	Scilly (St. Mary's) ... 163	1030.0	-8	SW/S	3	bc	50	92	8	5	-	-	3	Tr	1800	1028.1	-6	SW	4	C	50	85	8	8	7	3	2.3	54	48	-	-	0.1	7.4						
	Guernsey ... 175	1028.4	0	SW	6	C	52	97	8	8	2	-	4	6	7.8	1026.0	-10	SW	6	C	52	97	8	8	2	-	4	6	52	50	-	-	-	6.8					
6	Pembroke ... 142	1025.0	-6	SW	5	C	51	85	8	5	1	-	2	3	9	1027.9	-6	SW/S	5	C	52	85	8	5	2	-	3	51	47	44	-	-	6.6						
7	Holyhead ... 26	1026.8	-8	SE	3	z	41	85	6	7	-	-	2	3	7.8	1024.6	-10	ESE	2	z	43	75	6	5	2	-	7	50	38	27	-	-	7.1						
8	Manchester ... 70	1027.1	-6	SW	3	z	39	85	6	4	5	0	2	3	-	1025.3	-10	SSE	3	z	43	85	5	5	1	-	4	48	36	30	-	-	6.4						
10	Spurn Head ... 29	1027.8	+2	SW	3	b	38	92	7	-	-	-	0	0	-	1025.5	-4	SE	4	C	41	92	7	4	1	-	4	47	38	-	-	Tr	3.9						
	Catterick ... 175	1024.9	-6	S	3	z	44	85	6	5	-	-	2	3	2.3	1022.6	-14	SSE	3	z	44	85	6	5	7	6	4	48	40	29	-	-	-	6.3					
	Tynemouth ... 108	1023.3	-10	SW	3	bc	46	75	6	-	4	-	0	2	3	-	1021.6	-6	SW	4	C	49	85	6	5	-	7	48	40	36	-	-	-	*					
11	St. Abbs Head ... 280	1017.7	-16	W	5	cq	47	65	8	5	4	-	4	6	3	1016.8	+2	SW	6	cq	48	85	7	5	2	-	7	47	42	-	-	-	*						
	Leuchars ... 36	1017.6	-8	SW	6	C	47	85	7	5	7	-	7	8	9+	1014.9	+2	WSW	5	ir	48	92	8	5	2	-	7	46	42	38	-	Tr	5.3						
12	Renfrew (Abbots I.) ... 19	1018.8	-10	SW/S	5	z	49	85	6	5	-	-	10	10	2300	1016.0	-2	SW/S	4	ir	49	92	6	5	2	-	4	50	45	41	0.1	7	4.5						
	Eskdalemuir ... 794	1018.8	-10	SW/S	5	z	49	85	6	5	-	-	10	10	2300	1016.0	-2	SW/S	4	ir	49	92	6	5	2	-	4	50	45	41	0.1	7	4.5						
	Point of Ayre ... 30	1022.6	-10	WSW	5	C	49	85	6	5	1	-	4	6	9+	1018.1	-20	WSW	6	ir	46	92	6	5	2	-	4	46	43	30	-	-	5.6						
13A	Tiree ... 22	1022.6	-10	WSW	5	C	49	85	6	5	1	-	4	6	9+	1018.1	-20	WSW	6	ir	46	92	6	5	2	-	4	46	43	30	-	-	5.6						
13B	Stornoway ... 80	1002.6	-36	SSW	9	RR	51	85	6	5	2	-	7	8	10	1012.0	+10	WSW	4	C	48	85	7	5	-	9+	5+	50	48	-	-	1	2.7						
15	Dalwhinnie ... 1176	1002.6	-36	SSW	9	RR	51	85	6	5	2	-	7	8	10	1008.5	+36	WSW	4	C	45	85	7	5	-	6	2	51	38	-	-	1	1.7						
	Aberdeen ... 79	1008.5	-8	SW	5	C	49	85	7	5	7	-	7	8	9+	1013.5	+6	WSW	5	bc	41	85	7	5	-	4	6	43	38	37	-	-	5.4						
	Wick ... 81	1008.5	-8	SW	5	C	49	85	7	5	7	-	7	8	9+	1013.1	+10	SW	5	bc	41	85	7	5	-	4	6	43	38	37	-	-	5.4						
	Lerwick ... 156	1004.0	-4	SSW	8	C	47	85	6	5	2	-	7	8	10	1008.7	+18	SSW	2	bc	43	85																	



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Sunday 24th November 1940.  
 No. 28857

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. 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.			Barom. at M.S.L. mb. (29)	Change in 3 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. (29)	Sea. 0-9 (30)	7h.—13h. 23rd (37)	13h.—18h. 23rd (38)	18h.—24h. 24th (39)	1h.—7h. 24th (40)					
1	London (Kew)...	1028.1	-12	SW	4	Z	49	85	6	0	3	8	2-3	9+	4000	1028.4	0	SW'S	3	Z	47	82	6	5	-	-	1	1	2500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Croydon ...	1028.4	-14	SW	2	Z	48	85	6	5	7	-	0	3+	-	1028.6	-6	SW	2	Z	47	82	5	4	2	0	1	-	0	*	cmxcmg	cbcmgw	bcmcmw	aprcmow		
	S. Farnborough	1028.6	-12	SSW	5	bc	49	85	8	5	7	8	1	9+	1600	1028.8	-2	SSW	4	bc	48	82	7	5	3	-	2-3	4-6	1800	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Boscombe Down	1028.6	-18	SSW	4	bc	50	82	7	5	-	8	2-3	4-6	2000	1028.1	0	SSW	4	bc	48	82	8	5	-	-	4-6	4-6	3000	0	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Calshot (Soton.)	1028.6	-10	SWW	5	id	51	85	6	5	7	-	0	3+	10	2000	1028.9	-2	WSW	4	c	51	85	7	5	3	-	2-3	3+	1800	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow
	Lympne	1030.1	-14	S	1	c	50	85	8	8	7	7	2-3	10	3500	1029.5	0	SW	2	c	47	82	7	5	-	-	7-8	7-8	3500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Manston	1030.1	-18	SW	4	c	51	75	7	2	-	8	1	9	3000	1029.3	-4	SSW	3	Z	46	85	6	5	4	-	2-3	2-3	2500	0	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
2	Shoeburyness	1028.8	-12	SW	2	c	50	85	6	-	1	7	0	10	-	1028.9	0	SW	2	b	47	82	8	-	-	0	0	-	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow		
	Felixstowe	1029.6	-12	SW'S	3	c	48	85	6	-	7	7	0	10	2700	1028.3	-4	SWW	3	Z	47	82	6	-	4	1	0	1	2600	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Gorleston	1028.4	-14	SW'S	3	c	48	85	6	5	7	7	2-3	9	2500	1026.9	-4	SW'S	3	bc	47	85	6	-	3	-	0	2-3	-	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Mildenhall	1027.8	-14	SSW	4	c	48	75	5	-	7	7	0	10	-	1028.6	-4	SSW	4	Z	47	85	6	-	3	-	0	4-6	-	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Cranwell	1025.6	-18	SW	5	c	48	85	7	-	9	-	0	9	-	1024.3	-2	SWW	6	bc	49	75	7	5	7	-	2-3	4-6	2500	0	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
3	Birmingham	1025.3	*	SW	4	bc	48	85	7	1	5	1	2-3	4-6	1500	1025.0	-6	SSW	3	c	48	85	7	5	-	-	7-8	7-8	1500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Upper Heyford	1025.3	*	SW	4	bc	48	85	7	1	5	1	2-3	4-6	1500	1025.0	-6	SSW	3	c	48	85	7	5	-	-	7-8	7-8	1500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
4	Ross-on-Wye	1026.1	-14	SW	3	c	52	75	7	5	3	-	7-8	9+	800	1026.8	-4	SW'S	3	c	46	85	7	5	4	-	4-6	4-6	2000	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
		1026.1	-14	SW	3	c	52	75	7	5	3	-	4-6	4-6	2500	1025.7	0	SW	4	bc	50	85	7	6	-	-	4-6	4-6	1500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
5	Hartland Point	1025.9	-12	SW	5	c	51	82	8	8	4	-	4-6	9	1500	1026.1	+2	SW	6	c/p	51	87	6	-	2	-	10	10	1000	1	4	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Bristol ...	1027.9	-14	SW	4	bc	52	75	8	2	4	6	1	4-6	3000	1028.5	+12	SW	4	bc/d	49	85	7	5	-	-	4-6	4-6	4000	1	4	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Portland Bill	1028.3	-10	SW	4	c	53	82	8	5	4	-	4-6	7-8	4000	1028.9	+2	SW	4	bc	53	82	8	5	-	-	4-6	4-6	4000	1	4	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Plymouth	1028.2	-8	SW	4	c	54	85	8	2	-	-	0	3	1000	1029.1	+2	WSW	5	c	53	85	6	5	3	-	4-6	9+	1500	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	The Lizard	1029.2	0	SW	5	bc	54	85	8	8	6	-	4-6	4-6	3500	1028.7	0	WSW	5	c	52	87	8	8	7	-	7-8	9	2500	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Scilly (St. Mary's)	1028.3	-6	SW	4	c	53	85	8	5	4	-	7-8	9+	2500	1027.7	-2	SW	4	c	52	82	7	5	7	-	2-3	7-8	2000	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Guernsey	1028.3	-6	SW	4	c	53	85	8	5	4	-	7-8	9+	2500	1027.7	-2	SW	4	c	52	82	7	5	7	-	2-3	7-8	2000	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
6	Pembroke	1024.3	-4	SW	7	id	53	82	7	8	-	-	0	9+	2000	1025.2	*	WSW	5	c	52	*	7	5	2	-	4-6	9	2000	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
7	Holyhead	1020.4	-10	SW	5	c/p	53	82	7	5	-	-	0	9+	1200	1021.8	+18	SWW	4	bc	52	85	7	8	4	1	2-3	4-6	2500	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Chester (Sealand)	1022.4	-12	SSW	4	c	54	85	8	5	3	-	0	9	1000	1022.4	+4	SW	3	bc	52	85	7	5	-	-	4-6	4-6	3000	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
8	Manchester	1022.7	-20	WNW	4	Z	52	75	6	5	3	-	7-8	9	3100	1022.3	+4	SSW	3	c/p	49	82	6	5	-	-	7-8	10	2500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
10	Spurn Head	1023.7	-4	S	4	c	47	85	6	4	4	6	2-3	7-8	4000	1022.7	0	SE	4	c	47	85	6	5	4	-	2-3	7-8	4000	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Catterick	1020.5	-20	SW	4	pc	50	75	6	2	7	-	4-6	4-6	2000	1020.3	+10	SWW	2	c	50	80	7	5	-	-	7-8	7-8	2000	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Tynemouth	1020.1	-8	WSW	4	pc	50	75	6	8	-	-	0	9+	3200	1019.4	-6	SW	3	bc	44	85	6	2	-	-	2-3	2-3	2000	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
11	St. Abbs Head	1016.0	-4	W	5	c	48	85	9	5	4	-	4-6	7-8	2000	1014.8	-2	SW	5	bc	46	75	8	4	4	-	2-3	2-3	3000	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Leuchars	1014.7	-2	SW	4	c	48	85	7	5	7	5	4-6	7-8	1800	1013.6	+4	SW	5	b/p	45	85	7	5	-	-	1	1	2500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
12	Renfrew (Abbots I.)	1015.1	-10	SW'S	4	c	50	85	8	8	7	-	0	9+	2000	1015.0	+14	SW'S	4	bc	49	85	8	8	-	-	2-3	2-3	2000	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Eskdalemuir	1017.8	0	WSW	4	c/pr	45	82	8	5	7	-	7-8	9	1500	1016.5	+2	WS	6	c	45	82	8	8	-	-	7-8	7-8	800	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Point of Ayre	1013.4	-12	WSW	6	bc	53	85	8	8	-	-	4-6	4-6	2500	1018.9	+10	WS	6	b	50	85	8	-	4	-	0	1	-	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
13A	Tiree	1010.0	-14	SW'S	6	pc	48	85	6	9	-	-	0	9+	800	1010.6	+12	W	6	bc	48	85	8	8	-	-	2-3	2-3	1800	1	5	cmxcmg	cbcmgw	bcmcmw	aprcmow	
13B	Stornoway	1008.5	-16	SSW	5	c	46	85	6	7	-	-	7-8	9+	2500	1005.5	+8	WSW	5	c	46	85	7	8	-	-	7-8	7-8	1500	1	3	cmxcmg	cbcmgw	bcmcmw	aprcmow	
15	Dalwhinnie	1012.9	-10	SSW	4	bc	44	75	7	2	6	-	2-3	4-6	1500	*	+6	SW	4	bc	41	85	7	5	-	-	4-6	4-6	1500	1	*	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Aberdeen	1013.4	-4	SSW	3	c	49	85	6	5	9	-	4-6	9	1500	1011.8	-6	SW	4	bc	46	85	6	5	9	-	2-3	2-3	1500	1	2	cmxcmg	cbcmgw	bcmcmw	aprcmow	
	Wick	1010.3	-6	SSW	3	c	48	75	8	5	3	2	4-6	7-8	2500	1009.9	-14	SW</																		



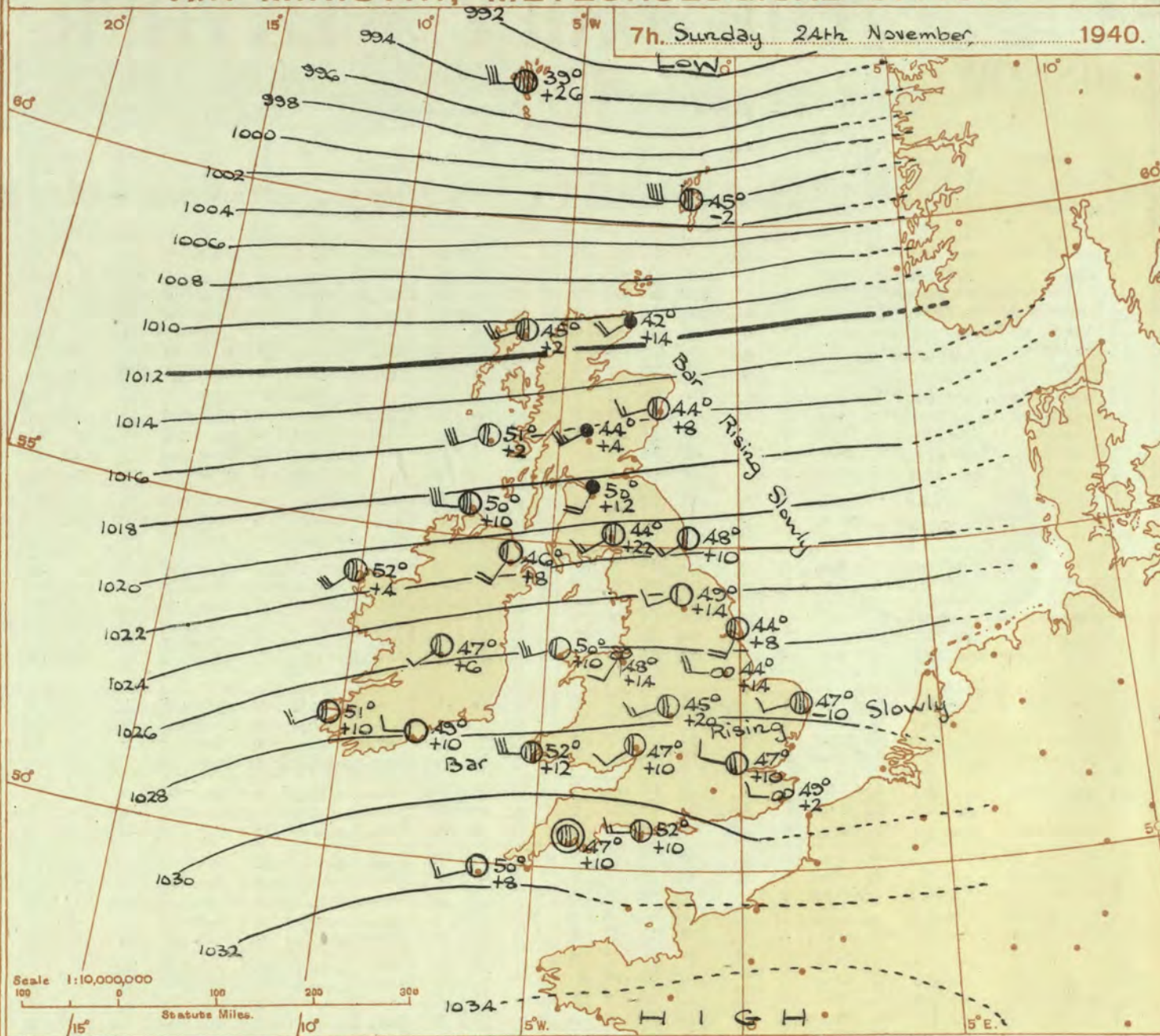
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 23rd November				18h. G.M.T.				01h. G.M.T. 24th November				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
10959	02853	19425	62	64745	51627	5-	64638	21768	52	61755	22688				
11587	08444	20585	52	82834	55566	52	82785	56888	52	82784	57887				
203															
20683	01963	26324	8-	01854	24884	30	25853	55683	62	61845	22388				
21027	01853	16224	50	00853	53413	50	14863	54783	57	61864	54586				
220															
23087	02744	20426					8-	07748	53588	3-	25646	83686			
24574	05652	20525	5-	25655	53485	50	00763	19483	57	01863	20384				
26080	01853	20424	40	00862	53582	50	00862	53612	00	00890	22403				
27783	02846	19467	47	01851	20523	07	12790	20525	04	00890	21411				
279															
2856-	64638	24668	30	81635	24485										
28857	05654	18427	50	05653	18463	50	00763	18303	04	01890	18315				
27338	01763	20615													
3015-	63648	20468	00	05650	23462	01	05650	22418							
32103	05650	13425	5-	54456	19368	00	05530	21800	57	05654	20326				
290				5-	05544	22314	5-	05548	22318	54	05642	22214			
292				5-	05656	18366	00	01790	20324	50	01744	18214			
310-	01634	20425													
31677	02652	18428	52	51535	20368	00	05590	18200	50	05651	20101				
33362	64645	20568	17	02641	22427	52	05656	22318							
334-	03658	22358													
34053	02855	1856	50	00862	18462	50	01753	18413							
13654	05641	18417					77	05662	21416						
33662	02754	20517	26	01753	20515										
350															
368															
3793	05623	22315					6-	62488	20368	53	05632	20113			
39007	43330	18147					53	08455	18245	57	05554	20263			
38257	02745	18427	57	01763	18314	5-	21648	19258	54	01743	22314				
4388-	02867	23417								8-	02767	22417			
43057	02756	20732					50	51644	24356	03	47290	00044			
40917	02842	16526	5-	02748	53568	5-	538	24328	57	05637	23817				

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>M</sub> = Form of low and medium cloud—See page 1.  
 V<sub>h</sub> = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.



### DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th November 1940.

1 S.E. England	Light or moderate southwesterly wind, fresh at times on coast.
2 E. England ...	Fair or fine, local inland fog at night and in forenoon. Mild.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate southwesterly wind, freshening tomorrow. Bright periods, occasional showers. Mild.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh southwesterly wind, strong at times on coast, increasing to gale tomorrow. Bright intervals and showers today with hail locally, cloudy with some rain tomorrow. Mild.
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	Moderate southwesterly wind, freshening tomorrow. Mainly fair today, cloudy with occasional rain tomorrow. Mild.
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 is centred to south and southwest of the British Isles, while a depression near the Faeroes is moving east and a complex depression in mid-Atlantic is moving northeast.  
 Weather will be fair or fine in the south today, while in the north there will be bright intervals and showers. Further rain will affect the northwest tomorrow. Temperatures will be mild generally.

### FURTHER OUTLOOK.

Mainly fair in the south, unsettled in the north.

Gale warning issued at 0930 on 24/11/40. in districts 13B and 16.

Forecasts issued at 10.30h. G.M.T.

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

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

248/3855 010045 03705 3000 1/140



# 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  
Sunday 24th November  
1940.





AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 24th November 1940.

No. 28857

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. 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.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	TEMPERATURE.				RAINFALL.				Sun-shine Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.			Force.	Form.					Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	Dir.	Force.	Form.	Amount.	Height of Base (feet).	Dir.	Force.		Form.	Amount.	Height of Base (feet).	Dir.	Force.	Form.	Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 25th November 1940.

No. 28858

OBSERVATIONS at 13h. G.M.T. 24th November

OBSERVATIONS at 18h. G.M.T. 24th November

PAST 24 HOURS.

Diameter.	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.				Barom. at M.S.L. (25)	Change in 3 hours (26)	Wind.		Weather. (29)	Temp. °F. (30)	Humid. % (31)	Visibility. 0-9 (32)	Cloud.				Barom. at M.S.L. (35)	Change in 3 hours (36)	Wind.		Weather. (39)	Temp. °F. (40)	Humid. % (41)	Visibility. 0-9 (42)	Cloud.				Barom. at M.S.L. (45)	Change in 3 hours (46)	Wind.		Weather. (49)	Temp. °F. (50)	Humid. % (51)	Visibility. 0-9 (52)	Cloud.				Barom. at M.S.L. (55)	Change in 3 hours (56)	Wind.		Weather. (59)	Temp. °F. (60)	Humid. % (61)	Visibility. 0-9 (62)	Cloud.				Barom. at M.S.L. (65)	Change in 3 hours (66)	Wind.		Weather. (69)	Temp. °F. (70)	Humid. % (71)	Visibility. 0-9 (72)	Cloud.				Barom. at M.S.L. (75)	Change in 3 hours (76)	Wind.		Weather. (79)	Temp. °F. (80)	Humid. % (81)	Visibility. 0-9 (82)	Cloud.				Barom. at M.S.L. (85)	Change in 3 hours (86)	Wind.		Weather. (89)	Temp. °F. (90)	Humid. % (91)	Visibility. 0-9 (92)	Cloud.				Barom. at M.S.L. (95)	Change in 3 hours (96)	Wind.		Weather. (99)	Temp. °F. (100)	Humid. % (101)	Visibility. 0-9 (102)	Cloud.				Barom. at M.S.L. (105)	Change in 3 hours (106)	Wind.		Weather. (109)	Temp. °F. (110)	Humid. % (111)	Visibility. 0-9 (112)	Cloud.				Barom. at M.S.L. (115)	Change in 3 hours (116)	Wind.		Weather. (119)	Temp. °F. (120)	Humid. % (121)	Visibility. 0-9 (122)	Cloud.				Barom. at M.S.L. (125)	Change in 3 hours (126)	Wind.		Weather. (129)	Temp. °F. (130)	Humid. % (131)	Visibility. 0-9 (132)	Cloud.				Barom. at M.S.L. (135)	Change in 3 hours (136)	Wind.		Weather. (139)	Temp. °F. (140)	Humid. % (141)	Visibility. 0-9 (142)	Cloud.				Barom. at M.S.L. (145)	Change in 3 hours (146)	Wind.		Weather. (149)	Temp. °F. (150)	Humid. % (151)	Visibility. 0-9 (152)	Cloud.				Barom. at M.S.L. (155)	Change in 3 hours (156)	Wind.		Weather. (159)	Temp. °F. (160)	Humid. % (161)	Visibility. 0-9 (162)	Cloud.				Barom. at M.S.L. (165)	Change in 3 hours (166)	Wind.		Weather. (169)	Temp. °F. (170)	Humid. % (171)	Visibility. 0-9 (172)	Cloud.				Barom. at M.S.L. (175)	Change in 3 hours (176)	Wind.		Weather. (179)	Temp. °F. (180)	Humid. % (181)	Visibility. 0-9 (182)	Cloud.				Barom. at M.S.L. (185)	Change in 3 hours (186)	Wind.		Weather. (189)	Temp. °F. (190)	Humid. % (191)	Visibility. 0-9 (192)	Cloud.				Barom. at M.S.L. (195)	Change in 3 hours (196)	Wind.		Weather. (199)	Temp. °F. (200)	Humid. % (201)	Visibility. 0-9 (202)	Cloud.				Barom. at M.S.L. (205)	Change in 3 hours (206)	Wind.		Weather. (209)	Temp. °F. (210)	Humid. % (211)	Visibility. 0-9 (212)	Cloud.				Barom. at M.S.L. (215)	Change in 3 hours (216)	Wind.		Weather. (219)	Temp. °F. (220)	Humid. % (221)	Visibility. 0-9 (222)	Cloud.				Barom. at M.S.L. (225)	Change in 3 hours (226)	Wind.		Weather. (229)	Temp. °F. (230)	Humid. % (231)	Visibility. 0-9 (232)	Cloud.				Barom. at M.S.L. (235)	Change in 3 hours (236)	Wind.		Weather. (239)	Temp. °F. (240)	Humid. % (241)	Visibility. 0-9 (242)	Cloud.				Barom. at M.S.L. (245)	Change in 3 hours (246)	Wind.		Weather. (249)	Temp. °F. (250)	Humid. % (251)	Visibility. 0-9 (252)	Cloud.				Barom. at M.S.L. (255)	Change in 3 hours (256)	Wind.		Weather. (259)	Temp. °F. (260)	Humid. % (261)	Visibility. 0-9 (262)	Cloud.				Barom. at M.S.L. (265)	Change in 3 hours (266)	Wind.		Weather. (269)	Temp. °F. (270)	Humid. % (271)	Visibility. 0-9 (272)	Cloud.				Barom. at M.S.L. (275)	Change in 3 hours (276)	Wind.		Weather. (279)	Temp. °F. (280)	Humid. % (281)	Visibility. 0-9 (282)	Cloud.				Barom. at M.S.L. (285)	Change in 3 hours (286)	Wind.		Weather. (289)	Temp. °F. (290)	Humid. % (291)	Visibility. 0-9 (292)	Cloud.				Barom. at M.S.L. (295)	Change in 3 hours (296)	Wind.		Weather. (299)	Temp. °F. (300)	Humid. % (301)	Visibility. 0-9 (302)	Cloud.				Barom. at M.S.L. (305)	Change in 3 hours (306)	Wind.		Weather. (309)	Temp. °F. (310)	Humid. % (311)	Visibility. 0-9 (312)	Cloud.				Barom. at M.S.L. (315)	Change in 3 hours (316)	Wind.		Weather. (319)	Temp. °F. (320)	Humid. % (321)	Visibility. 0-9 (322)	Cloud.				Barom. at M.S.L. (325)	Change in 3 hours (326)	Wind.		Weather. (329)	Temp. °F. (330)	Humid. % (331)	Visibility. 0-9 (332)	Cloud.				Barom. at M.S.L. (335)	Change in 3 hours (336)	Wind.		Weather. (339)	Temp. °F. (340)	Humid. % (341)	Visibility. 0-9 (342)	Cloud.				Barom. at M.S.L. (345)	Change in 3 hours (346)	Wind.		Weather. (349)	Temp. °F. (350)	Humid. % (351)	Visibility. 0-9 (352)	Cloud.				Barom. at M.S.L. (355)	Change in 3 hours (356)	Wind.		Weather. (359)	Temp. °F. (360)	Humid. % (361)	Visibility. 0-9 (362)	Cloud.				Barom. at M.S.L. (365)	Change in 3 hours (366)	Wind.		Weather. (369)	Temp. °F. (370)	Humid. % (371)	Visibility. 0-9 (372)	Cloud.				Barom. at M.S.L. (375)	Change in 3 hours (376)	Wind.		Weather. (379)	Temp. °F. (380)	Humid. % (381)	Visibility. 0-9 (382)	Cloud.				Barom. at M.S.L. (385)	Change in 3 hours (386)	Wind.		Weather. (389)	Temp. °F. (390)	Humid. % (391)	Visibility. 0-9 (392)	Cloud.				Barom. at M.S.L. (395)	Change in 3 hours (396)	Wind.		Weather. (399)	Temp. °F. (400)	Humid. % (401)	Visibility. 0-9 (402)	Cloud.				Barom. at M.S.L. (405)	Change in 3 hours (406)	Wind.		Weather. (409)	Temp. °F. (410)	Humid. % (411)	Visibility. 0-9 (412)	Cloud.				Barom. at M.S.L. (415)	Change in 3 hours (416)	Wind.		Weather. (419)	Temp. °F. (420)	Humid. % (421)	Visibility. 0-9 (422)	Cloud.				Barom. at M.S.L. (425)	Change in 3 hours (426)	Wind.		Weather. (429)	Temp. °F. (430)	Humid. % (431)	Visibility. 0-9 (432)	Cloud.				Barom. at M.S.L. (435)	Change in 3 hours (436)	Wind.		Weather. (439)	Temp. °F. (440)	Humid. % (441)	Visibility. 0-9 (442)	Cloud.				Barom. at M.S.L. (445)	Change in 3 hours (446)	Wind.		Weather. (449)	Temp. °F. (450)	Humid. % (451)	Visibility. 0-9 (452)	Cloud.				Barom. at M.S.L. (455)	Change in 3 hours (456)	Wind.		Weather. (459)	Temp. °F. (460)	Humid. % (461)	Visibility. 0-9 (462)	Cloud.				Barom. at M.S.L. (465)	Change in 3 hours (466)	Wind.		Weather. (469)	Temp. °F. (470)	Humid. % (471)	Visibility. 0-9 (472)	Cloud.				Barom. at M.S.L. (475)	Change in 3 hours (476)	Wind.		Weather. (479)	Temp. °F. (480)	Humid. % (481)	Visibility. 0-9 (482)	Cloud.				Barom. at M.S.L. (485)	Change in 3 hours (486)	Wind.		Weather. (489)	Temp. °F. (490)	Humid. % (491)	Visibility. 0-9 (492)	Cloud.				Barom. at M.S.L. (495)	Change in 3 hours (496)	Wind.		Weather. (499)	Temp. °F. (500)	Humid. % (501)	Visibility. 0-9 (502)	Cloud.				Barom. at M.S.L. (505)	Change in 3 hours (506)	Wind.		Weather. (509)	Temp. °F. (510)	Humid. % (511)	Visibility. 0-9 (512)	Cloud.				Barom. at M.S.L. (515)	Change in 3 hours (516)	Wind.		Weather. (519)	Temp. °F. (520)	Humid. % (521)	Visibility. 0-9 (522)	Cloud.				Barom. at M.S.L. (525)	Change in 3 hours (526)	Wind.		Weather. (529)	Temp. °F. (530)	Humid. % (531)	Visibility. 0-9 (532)	Cloud.				Barom. at M.S.L. (535)	Change in 3 hours (536)	Wind.		Weather. (539)	Temp. °F. (540)	Humid. % (541)	Visibility. 0-9 (542)	Cloud.				Barom. at M.S.L. (545)	Change in 3 hours (546)	Wind.		Weather. (549)	Temp. °F. (550)	Humid. % (551)	Visibility. 0-9 (552)	Cloud.				Barom. at M.S.L. (555)	Change in 3 hours (556)	Wind.		Weather. (559)	Temp. °F. (560)	Humid. % (561)	Visibility. 0-9 (562)	Cloud.				Barom. at M.S.L. (565)	Change in 3 hours (566)	Wind.		Weather. (569)	Temp. °F. (570)	Humid. % (571)	Visibility. 0-9 (572)	Cloud.				Barom. at M.S.L. (575)	Change in 3 hours (576)	Wind.		Weather. (579)	Temp. °F. (580)	Humid. % (581)	Visibility. 0-9 (582)	Cloud.				Barom. at M.S.L. (585)	Change in 3 hours (586)	Wind.		Weather. (589)	Temp. °F. (590)	Humid. % (591)	Visibility. 0-9 (592)	Cloud.				Barom. at M.S.L. (595)	Change in 3 hours (596)	Wind.		Weather. (599)	Temp. °F. (600)	Humid. % (601)	Visibility. 0-9 (602)	Cloud.				Barom. at M.S.L. (605)	Change in 3 hours (606)	Wind.		Weather. (609)	Temp. °F. (610)	Humid. % (611)	Visibility. 0-9 (612)	Cloud.				Barom. at M.S.L. (615)	Change in 3 hours (616)	Wind.		Weather. (619)	Temp. °F. (620)	Humid. % (621)	Visibility. 0-9 (622)	Cloud.				Barom. at M.S.L. (625)	Change in 3 hours (626)	Wind.		Weather. (629)	Temp. °F. (630)	Humid. % (631)	Visibility. 0-9 (632)	Cloud.				Barom. at M.S.L. (635)	Change in 3 hours (636)	Wind.		Weather. (639)	Temp. °F. (640)	Humid. % (641)	Visibility. 0-9 (642)	Cloud.				Barom. at M.S.L. (645)	Change in 3 hours (646)	Wind.		Weather. (649)	Temp. °F. (650)	Humid. % (651)	Visibility. 0-9 (652)	Cloud.				Barom. at M.S.L. (655)	Change in 3 hours (656)	Wind.		Weather. (659)	Temp. °F. (660)	Humid. % (661)	Visibility. 0-9 (662)	Cloud.				Barom. at M.S.L. (665)	Change in 3 hours (666)	Wind.		Weather. (669)	Temp. °F. (670)	Humid. % (671)	Visibility. 0-9 (672)	Cloud.				Barom. at M.S.L. (675)	Change in 3 hours (676)	Wind.		Weather. (679)	Temp. °F. (680)	Humid. % (681)	Visibility. 0-9 (682)	Cloud.				Barom. at M.S.L. (685)	Change in 3 hours (686)	Wind.		Weather. (689)	Temp. °F. (690)	Humid. % (691)	Visibility. 0-9 (692)	Cloud.				Barom. at M.S.L. (695)	Change in 3 hours (696)	Wind.		Weather. (699)	Temp. °F. (700)	Humid. % (691)	Visibility. 0-9 (702)	Cloud.				Barom. at M.S.L. (705)	Change in 3 hours (706)	Wind.		Weather. (709)	Temp. °F. (710)	Humid. % (711)	Visibility. 0-9 (712)	Cloud.				Barom. at M.S.L. (715)	Change in 3 hours (716)	Wind.		Weather. (719)	Temp. °F. (720)	Humid. % (721)	Visibility. 0-9 (722)	Cloud.				Barom. at M.S.L. (725)	Change in 3 hours (726)	Wind.		Weather. (729)	Temp. °F. (730)	Humid. % (731)	Visibility. 0-9 (732)	Cloud.				Barom. at M.S.L. (735)	Change in 3 hours (736)	Wind.		Weather. (739)	Temp. °F. (740)	Humid. % (741)	Visibility. 0-9 (742)	Cloud.				Barom. at M.S.L. (745)	Change in 3 hours (746)	Wind.		Weather. (749)	Temp. °F. (750)	Humid. % (751)	Visibility. 0-9 (752)	Cloud.				Barom. at M.S.L. (755)	Change in 3 hours (756)	Wind.		Weather. (759)	Temp. °F. (760)	Humid. % (761)	Visibility. 0-9 (762)	Cloud.				Barom. at M.S.L. (765)	Change in 3 hours (766)	Wind.		Weather. (769)	Temp. °F. (770)	Humid. % (771)	Visibility. 0-9 (772)	Cloud.				Barom. at M.S.L. (775)	Change in 3 hours (776)	Wind.		Weather. (779)	Temp. °F. (780)	Humid. % (781)	Visibility. 0-9 (782)	Cloud.				Barom. at M.S.L. (785)	Change in 3 hours (786)	Wind.		Weather. (789)	Temp. °F. (790)	Humid. % (791)	Visibility. 0-9 (792)	Cloud.				Barom. at M.S.L. (795)	Change in 3 hours (796)	Wind.		Weather. (799)	Temp. °F. (800)	Humid. % (791)	Visibility. 0-9 (802)	Cloud.				Barom. at M.S.L. (805)	Change in 3 hours (806)	Wind.		Weather. (809)	Temp. °F. (810)	Humid. % (811)	Visibility. 0-9 (812)	Cloud.				Barom. at M.S.L. (815)	Change in 3 hours (816)	Wind.		Weather. (819)	Temp. °F. (820)	Humid. % (821)	Visibility. 0-9 (822)	Cloud.				Barom. at M.S.L. (825)	Change in 3 hours (826)	Wind.		Weather. (829)	Temp. °F. (830)	Humid. % (821)	Visibility. 0-9 (832)	Cloud.				Barom. at M.S.L. (835)	Change in 3 hours (836)	Wind.		Weather. (839)	Temp. °F. (840)	Humid. % (831)	Visibility. 0-9 (842)	Cloud.				Barom. at M.S.L. (845)	Change in 3 hours (846)	Wind.		Weather. (849)	Temp. °F. (850)	Humid. % (841)	Visibility. 0-9 (852)	Cloud.				Barom. at M.S.L. (855)	Change in 3 hours (856)	Wind.		Weather. (859)	Temp. °F. (860)	Humid. % (851)	Visibility. 0-9 (862)	Cloud.				Barom. at M.S.L. (865)	Change in 3 hours (866)	Wind.		Weather. (869)	Temp. °F. (870)	Humid. % (861)
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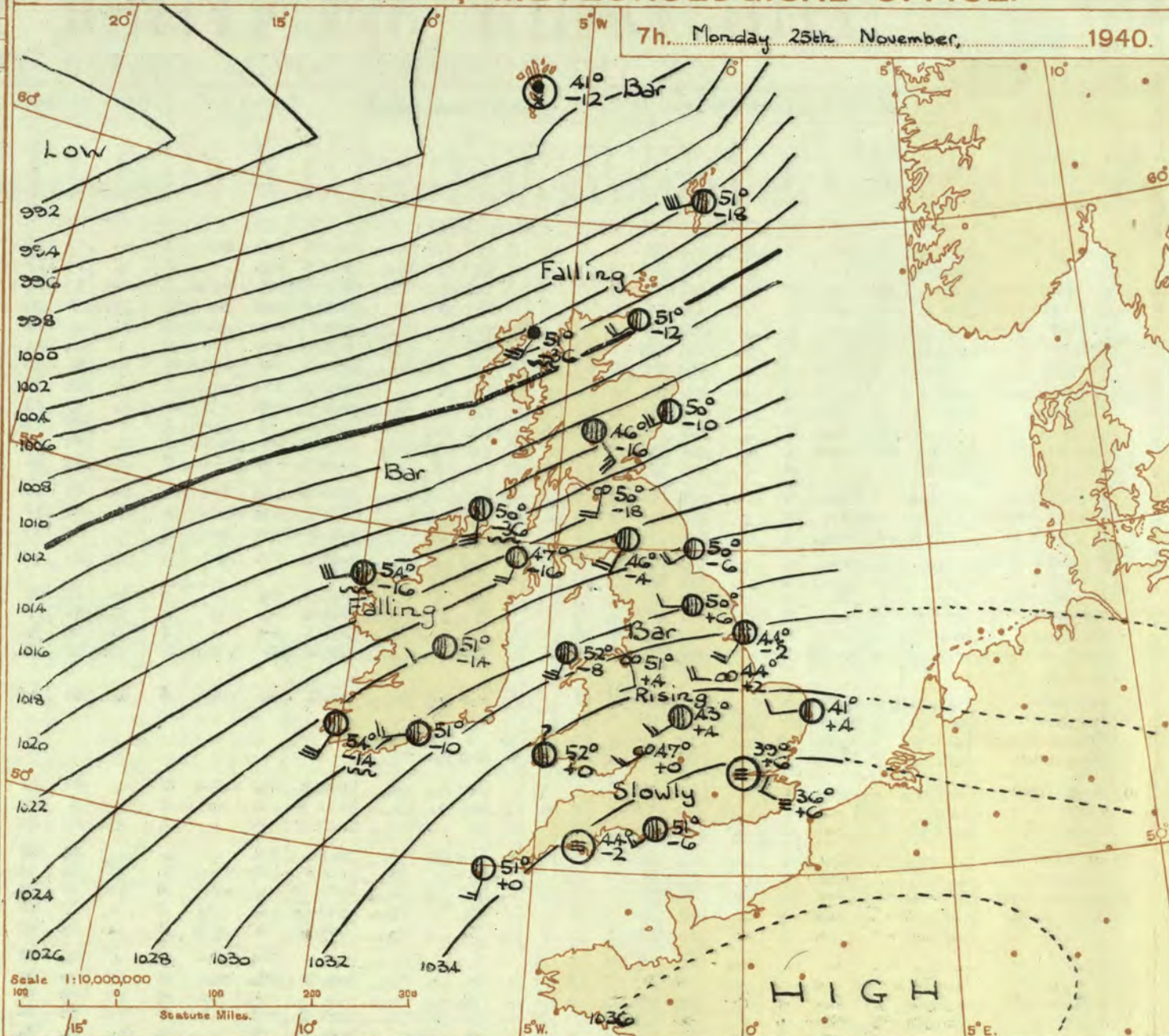
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 24th November 18h. G.M.T.				01h. G.M.T. 25th November 07h. G.M.T.					
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	52	02353	26467	50	01763	25483	02	03658	51568
115				52	82854	24587	52	81735	49688
203				5-	61938	05668	5-	64838	53768
206	52	04746	24388	50	01953	24383	80	81754	2224-
210	87	02844	53625	53	02855	20587	5-	02858	20288
220				34	25744	24384			
230	9-	81638	54688	8-	25748	57588	5-	02748	55468
245	74	02842	21827	00	00990	16220	61	02745	51528
260	50	02743	22517	5-	53667	55657	50	00762	53412
277	12	02741	20428	50	05654	21424	50	02764	21525
279							5-	05548	20328
285							57	05553	53525
288	57	02754	21427	50	00762	20482	52	05656	22328
273							41	01543	19616
301	50	05753	21326				07	05690	20318
321	69	05672	22227	07	05690	21324	00	05590	24200
299	51	05644	22217	50	05543	22313	50	05542	23302
292	5-	05556	20217	5-	02748	20488	5-	02665	20315
310									
316	04	05650	20116	07	05590	20223	00	08490	00000
333	15	01764	22414				54	05662	20503
334									
340	70	02763	22316				03	05690	12301
136				07	05690	21218	04	05590	20311
336									
350	50	05633	20328				5-	05538	20328
368									
379	13	05644	20325	03	05690	20313	5-	08418	20318
390	00	05030	23314	00	5390	22310	00	45390	28314
382	53	05654	22424	47	05663	20124	50	08434	00014
428	50	00751	26301				55	02524	24315
430	10	05651	24314	03	08419	23224	00	47190	26140
409	5-	05737	19327	5-	05627	20227	50	01633	15223

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>M</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (S = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 25th November, 1940.



DISTRICTS.

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

1 S.E. England	Light southwest wind freshening; mainly fair; local fog at first, soon clearing: mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light or moderate southwest wind becoming fresh or strong; mainly cloudy, local drizzle: very mild.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Strong southwest wind, gale at times at exposed places; cloudy or dull, occasional rain or drizzle: very mild.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W.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.

An anticyclone centred over France is moving slowly east-southeast and a series of depressions are moving east-northeast off our northwest coasts. There will be strong southwest winds in the North, gale locally, with mainly cloudy weather and occasional rain. In the South weather will be fair but there will be rather wide-spread mist and fog or low cloud this morning, clearing during the afternoon, in most places. It will be mild generally.

FURTHER OUTLOOK.

Stormy and changeable in the Northwest, mainly dry in the Southeast, but considerable cloud; mild generally.

Gale warnings issued at 0540 and 0800 25.11.40 in districts 7, 8, 11, 12, 13, 15, 16, 17, 18 and 20.

Forecasts issued at 1030 G.M.T.

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

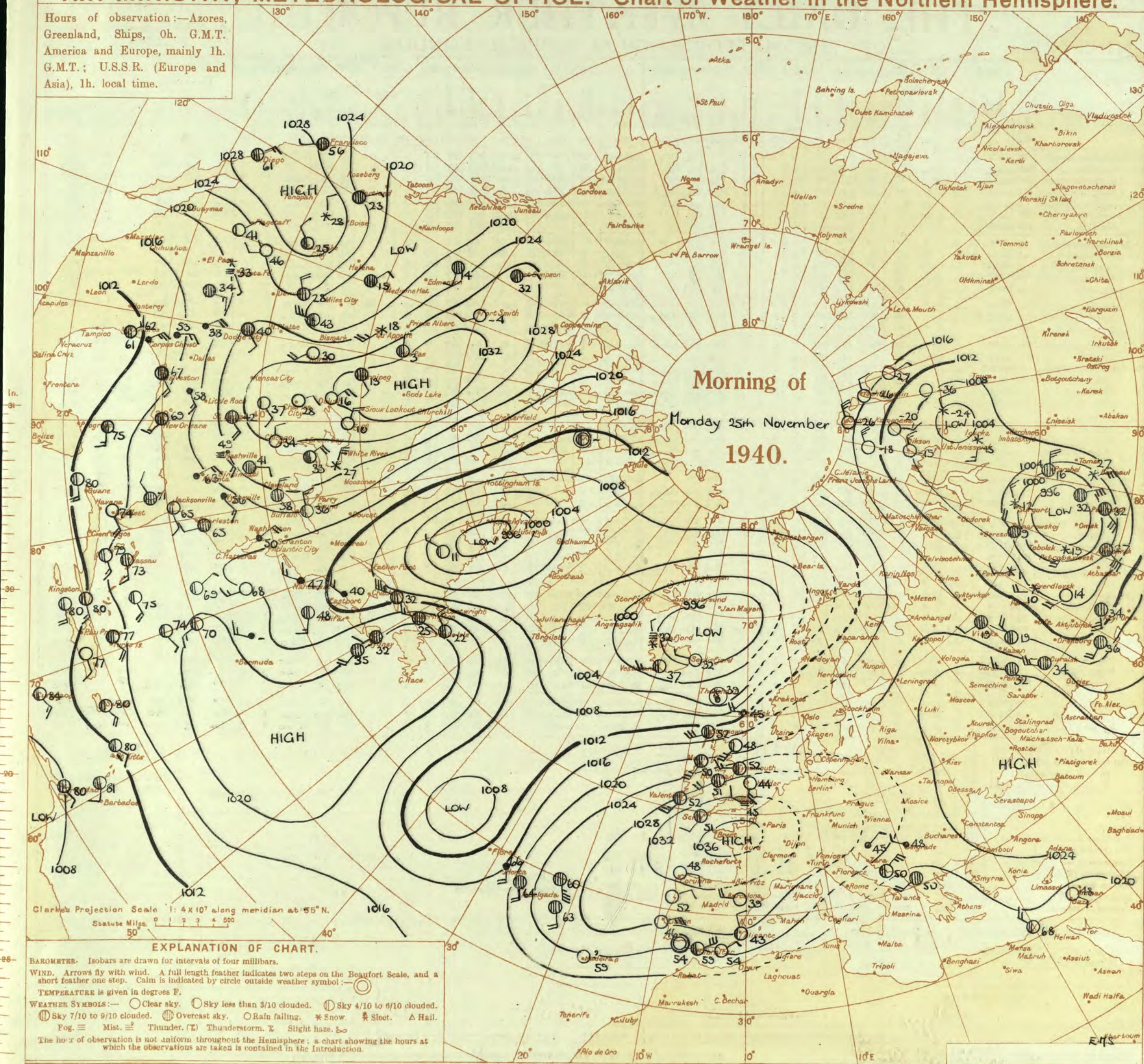
H.M.S.O. Press, Cornwall House S.E.1.

25/11/40 11.40



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

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





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Monday 25th November.....1940.  
No. 28858

[illegible]

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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  
Tuesday 26th November 1940.  
No. 28859

OBSERVATIONS at 13h. G.M.T. 25th November														OBSERVATIONS at 18h. G.M.T. 25th November														PAST 24 HOURS.							
DISTANCE.	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.				Barom. at M.S.L. mb. (29)	Change in 8 hours. (30)	WEATHER.							
				Dir.	Force. 0-12 (4)					Form.	Amount. 0-10 (10)	Height of Base (feet) (14)	Dir.			Force. 0-12 (18)	Form.					Amount. 0-10 (24)	Height of Base (feet) (28)	7h.—18h. 25th (37)	18h.—18h. 25th (38)			18h.—18h. 25th (39)	1h.—7h. 26th (40)						
1	London (Kew)...	1033.7	-12	SW	4	Z	49	92	6	3	-	7-8	9	2500	1032.9	+2	SW	3	Z	48	92	6	5	-	9	9	2500	1	*	Fefcno	cmo	cm	cm		
	Croydon ...	1033.8	-10	SSW	2	Z	49	97	6	5	-	10	10	1800	1032.5	-4	SE	1	m	48	92	4	5	7	-	2-3	9	5700	1	*	befbmo	cmocm	cm	cm	
	S. Farnborough	1033.6	-16	SSW	3	Z	50	92	6	5	7	7	1	9	1000	1033.0	0	SW	4	49	85	6	5	7	-	2-3	9	2000	1	*	ofacmo	mofo	cm	cm	
	Boscombe Down	1033.6	-12	SSW	3	Z	48	97	6	5	7	7	1	9	1000	1032.7	-2	SSW	3	Z	48	92	6	5	7	-	2-3	9	2000	1	*	bfcno	cmo	cm	cm
	Calshot (Soton.)	1033.9	-12	SW	2	C	52	92	7	5	7	-	7-8	10	2500	1033.2	0	WSW	2	Z	50	85	6	5	7	-	4-6	9	5700	1	1	ffr fmo	cmo	cm	cm
	Lympe ...	1034.4	-10	SSW	3	Z	47	97	5	5	7	-	4-6	10	5500	1033.1	-2	SW	2	id	49	97	6	5	7	-	10	10	500	1	1	fcmcmo	cmo	cm	cm
	Manston	1034.0	-14	SSW	3	Z	48	92	6	5	7	7	1	9	4500	1033.5	+4	SW	3	Z	49	97	6	5	7	-	7-8	10	900	1	*	ifmcmo	cmo	cm	cm
2	Shoeburyness ...	1033.9	-10	SW	3	C	48	92	5	5	2	-	7-8	10	800	1032.9	-2	SW	2	bc	49	92	5	5	7	-	4-6	9	4000	1	*	fefmc	cmo	cm	cm
	Felixstowe ...	1033.3	-12	WSW	4	m	46	97	4	5	7	-	7-8	10	1000	1032.1	-6	SW	3	m	48	97	4	5	7	-	10	10	1000	1	2	ofcm	cm	cm	cm
	Gorleston ...	1031.3	-10	SW	2	C	46	92	6	5	1	-	9	9	1500	1030.4	-4	SW	3	0	48	92	5	5	7	-	10	10	1000	1	2	offcno	cmo	cm	cm
	Mildenhall	1032.1	-12	SW	4	Z	46	92	6	5	1	-	4-6	10	800	1030.6	-6	SW	4	Z	49	85	6	5	7	-	4-6	9	4000	1	*	omwcmo	cmo	cm	cm
	Cranwell	1030.0	-14	WSW	4	Z	48	85	6	5	7	-	4-6	10	2500	1028.9	+2	SW	5	Z	49	85	6	5	7	-	10	10	3000	1	*	cmo	cmo	cm	cm
3	Birmingham	1030.3	0	SW	3	C	47	92	6	5	-	10	10	-	1029.0	-4	SW	2	Z	48	85	5	5	-	-	10	10	1500	1	*	cmdoc	cm	cm	cm	
4	Upper Heyford	1032.4	-14	SW	2	Z	46	97	6	5	7	-	4-6	10	5700	1031.2	-6	SW	2	Z	47	85	6	5	7	-	2-3	9	2000	1	*	omcmo	cmo	cm	cm
	Ross-on-Wye ...	1031.5	-10	SW	4	C	50	85	7	5	7	-	1	10	1500	1030.8	+4	WSW	4	C	51	92	8	8	-	-	7-8	7-8	1500	1	3	C	cm	cm	cm
5	Hartland Point	1031.7	-8	WSW	4	C	52	92	8	5	6	-	7-8	9	1500	1030.8	+4	WSW	4	C	51	92	8	8	-	-	7-8	7-8	1500	1	3	C	cm	cm	cm
	Bristol ...	1032.7	-10	SW	3	C	50	85	7	5	7	-	0	9	-	1031.9	-2	SSW	2	bc	50	85	7	5	3	-	1	4-6	4000	1	*	C	cm	cm	cm
	Portland Bill	1032.8	-6	SW	3	C	53	85	8	5	-	-	10	10	4000	1032.7	-8	SW	4	C	53	85	7	5	-	-	10	10	4000	1	3	C	cm	cm	cm
	Plymouth	1034.0	-8	SW	4	C	53	85	7	8	7	-	9	9	1500	1033.5	+4	SW	2	id	51	97	6	5	7	-	10	10	800	1	2	C	cm	cm	cm
	The Lizard	1033.6	-8	SW	4	C	54	85	8	6	6	-	7-8	7-8	2500	1033.0	+4	SW	5	C	51	85	8	8	2	-	9	10	2000	1	3	C	cm	cm	cm
	Scilly (St. Mary's)	1032.9	-6	SW	4	C	53	85	8	5	3	3	4	6	2200	1031.7	-2	SW	4	C	51	75	7	5	7	-	7-8	9	1800	1	2	bec	cm	cm	cm
	Guernsey	1030.9	-2	SW	6	C	53	85	7	8	-	10	10	2500	1030.7	-10	SW	6	C	53	85	7	8	-	-	7-8	7-8	2500	1	3	C	cm	cm	cm	
6	Pembroke	1029.1	-6	SSW	6	ir	53	97	7	5	-	10	10	1400	1028.9	-2	SSW	5	%	52	97	6	9	-	-	7-8	7-8	1200	1	3	C	cm	cm	cm	
7	Holyhead	1029.0	-2	SW	3	C	53	75	8	5	2	-	7-8	9	4200	1027.3	-4	SW	3	C	54	75	7	5	-	-	9	9	2500	1	*	C	cm	cm	cm
8	Chester (Sealand)	1028.5	-10	SSW	4	Z	50	75	6	5	7	-	4-6	9	6500	1027.4	0	NW	3	Z	52	85	6	5	-	-	9	10	2800	1	0	C	cm	cm	cm
	Manchester	1028.5	-10	SSW	4	Z	50	75	6	5	7	-	4-6	9	6500	1027.4	0	NW	3	Z	52	85	6	5	-	-	9	10	2800	1	0	C	cm	cm	cm
10	Spurn Head	1028.2	-8	SSW	4	C	48	85	7	5	5	-	4-6	9	4000	1026.3	0	SW	5	C	48	85	7	5	1	-	2-3	9	4000	1	3	C	cm	cm	cm
	Catterick	1025.4	-16	SW	4	C	52	75	7	5	7	-	4-6	9	3000	1023.3	-6	SW	3	C	53	85	7	5	7	-	7-8	9	1600	1	*	C	cm	cm	cm
	Tynemouth	1023.2	-24	SW	5	C	50	85	6	8	4	-	7-8	7-8	2800	1020.6	-10	WSW	6	eq	54	65	6	5	-	-	7-8	7-8	2000	1	2	C	cm	cm	cm
11	St. Abbs Head	1016.0	-34	SW	8	cd	52	85	8	4	4	4	4	9	2500	1016.7	0	SW	7	eq	53	85	8	5	4	-	4-6	7-8	2500	1	3	eq	cm	cm	cm
	Leuchars	1016.5	-22	SW	6	cd	51	85	7	5	-	-	10	10	1500	1014.9	-2	SW	7	id	54	85	6	5	2	-	7-8	10	800	1	*	C	cm	cm	cm
12	Bontfrew (Abbeys L.)	1018.1	-22	SW	6	cd	51	92	6	6	2	-	9	9	1600	1016.7	-6	WSW	6	C	53	85	8	5	1	-	4-6	9	1600	1	*	C	cm	cm	cm
	Eskdalemuir	1022.0	-12	SW	2	C	47	92	6	5	-	10	10	800	1020.5	+2	SW	5	id	50	85	6	5	-	-	10	10	450	1	*	C	cm	cm	cm	
	Point of Ayre	1024.0	-8	SW	6	C	55	85	8	5	1	-	7-8	9	1500	1022.0	-10	WSW	6	bc	54	85	8	5	-	-	4-6	4-6	2500	1	4	prc	cm	cm	cm
13A	Tiree	1012.3	0	SW	8	cd	53	87	6	5	-	10	10	1200	1012.3	0	SW	7	0	52	97	6	5	-	-	10	10	1500	1	5	0Rd	cm	cm	cm	
13B	Sornoway	1004.5	-10	SSW	8	rr	54	92	6	5	2	-	9	10	1000	1004.8	0	SSW	7	rr	52	92	6	5	2	-	7-8	10	1000	1	4	cr	cm	cm	cm
15	Dalwhinnie	*	-18	SW	5	ir	50	85	7	5	8	-	7-8	9	1500	*	+2	SW	5	0	49	85	6	5	-	-	10	10	1500	1	*	cr	cm	cm	cm
	Aberdeen	1012.4	-28	SW	6	bc	51	85	6	5	9	-	2-3	4-6	1500	1011.0	-2	SW	4	C	53	85	7	5	9	-	2-3	9	1500	1	2	cbcto	cm	cm	cm
	Wick	1005.4	-34	SW	6	pr	51	92	7	5	1	-	7-8	10	2500	1005.8	+6	SSW	4	C	54	85	8	5	7	-	4-6	7-8	1500	1	2	crfag	cm	cm	cm
16	Lerwick	999.2	-62	SW	8	rr	49	92	6	6	2	-	4-6	10	800	998.4	+10	SW	8	cr	51	92	6	6	2	-	4-6	10	450	1	*	crfrr	cm	cm	cm
17	Blacksod Point	1019.1	0	SW	7	eq	54	92	6	9	-	9	9	450	1018.2	+2	SW	8	eq	54	85	5	9	-	-	10	10	450	1	5	eq	cm	cm	cm	
18	Malin Head	1016.3	-8	SW	8	C	53	85	7	6	-	9	9	1500	1016.9	+8	SSW	5	C	53	85	7	8	-	-	9	9	1500</							



7h. Tuesday 26th November, 1940

**AIR MINISTRY, METEOROLOGICAL OFFICE.**

7h. Tuesday 20th November, 1940.

**LOW**

**HIGH**

**HIGH**

Rising Bar  
Briskly

Falling

Scale 1:10,000,000

Statute Miles.

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 G, C<sub>M</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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, and a complex series of low pressure systems to Northwards of the British Isles is moving east. Weather will continue mainly cloudy and mild, but there will be bright intervals in the Southeast. In the extreme Northwest it will become rather cold, with showers and bright intervals.

### FURTHER OUTLOOK.

Mainly fair; strong winds moderating; continuing mild in the South.

▼ Gale Warning issued in districts 1, 2, 3, 14, 15 & 16 at 0540h 25/11 and in districts 4, 13, 18 at 0800h 25/11.

Forecasts issued at 1030h G.M.T.  
H.M.S.O. Press Cornwall House S.E.1.

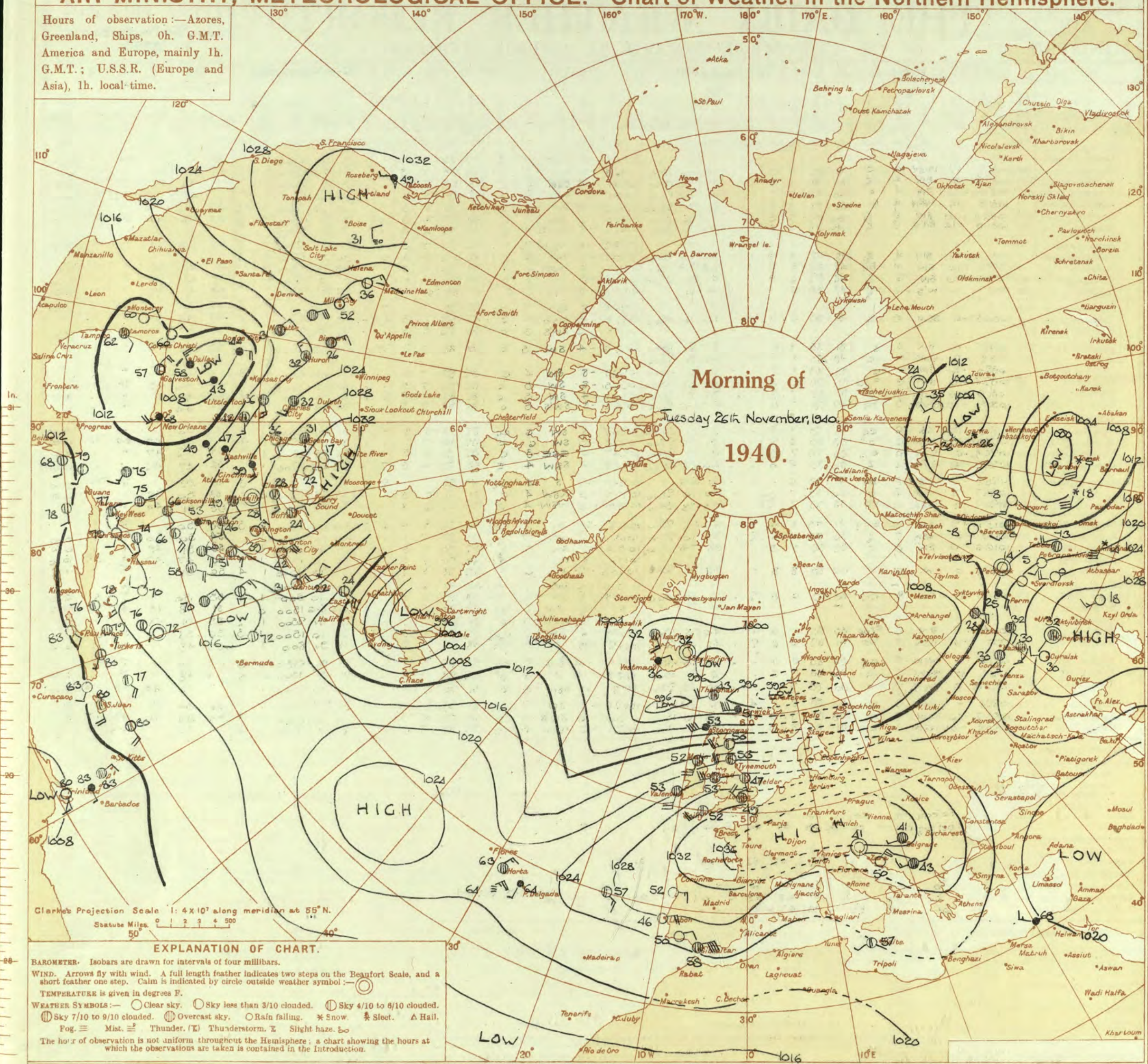
N. K. JOHNSON. D.Sc., A.R.C.S.  
Director.

368/3955 0+ 2049 0.3705 3000 0+ 549 0.64



# 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

Tuesday, 26th November 1940.  
No. 28859

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.	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.		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. on Grass °F.	Day 7h-18h mm.		Night 18h-7h mm.		
																																				Low.	Med.
1	London (Kew) ... 18	1031.5	-12	WNW	4	4	49	85	7	10	10	10	10	2500	1030.0	-8	WSW	4	4	49	85	6	5	10	10	10	2500	1	1	50	47	43	0.1	-	0.0		
	Croydon ... 217	1031.5	-12	WNW	4	4	49	85	7	10	10	10	10	2500	1030.3	-6	SSW	3	4	49	85	7	5	10	10	10	2500	1	1	49	47	45	-	0.1	0.1		
	S. Farnborough ... 226	1032.0	-8	SW	4	4	49	85	6	5	2	10	10	1500	1030.1	-14	SSW	4	4	49	85	7	5	10	10	10	2500	1	1	49	47	42	-	0.0	0.0		
	Boscombe Down ... 417	1032.0	-10	SW	4	4	49	85	7	5	10	10	10	1500	1030.1	-8	SW'S	2	2	48	85	7	5	10	10	10	2500	1	1	47	44	44	-	Tr	0.0		
	Calshot (Stmntn.) ... 8	1031.0	-14	WSW	4	4	51	75	8	5	-	10	10	2000	1030.5	-10	SW'W	3	3	51	75	8	5	10	10	10	2000	1	2	52	50	46	-	0.2	0.0		
	Lympe ... 346	1032.0	-10	SW	4	4	50	65	6	5	-	10	10	3000	1030.6	-6	SW	2	2	49	85	8	5	10	10	10	1000	1	3	50	48	44	0.1	Tr	0.0		
	Manston ... 154	1031.0	-14	SW'S	3	3	49	82	6	5	-	10	10	3000	1030.2	-8	SW'S	4	4	49	85	6	5	10	10	10	1500	1	3	50	48	44	-	Tr	0.0		
2	Shoeburyness ... 11	1030.3	-12	SW	4	4	48	87	6	5	-	10	10	1900	1029.9	-10	WSW	3	4	48	87	6	5	10	10	10	1800	1	3	48	48	42	-	-	0.0		
	Felixstowe ... 15	1030.3	-12	SW	4	4	47	82	6	5	-	10	10	2500	1029.2	-8	WS	4	4	48	82	6	5	10	10	10	2500	1	2	48	48	42	-	-	0.0		
	Gorleston ... 5	1029.4	-10	SW	4	4	48	82	6	5	-	10	10	2500	1027.0	-8	WSW	3	4	48	85	6	5	10	10	10	2500	1	2	49	47	44	-	Tr	0.0		
	Mildenhall ... 19	1029.4	-10	SW	4	4	48	82	6	5	-	10	10	2200	1027.0	-8	SW	4	4	48	85	6	5	10	10	10	2500	1	0	49	47	44	-	-	0.0		
	Cranwell ... 240	1027.0	-6	W'S	6	6	47	85	6	5	-	10	10	2200	1025.3	-18	W'S	3	3	47	85	6	5	10	10	10	2500	1	1	50	45	42	-	-	0.0		
3	Birmingham ... 535	1030.0	-6	SSW	5	5	48	85	6	5	-	10	10	1800	1028.8	-8	SSW	3	4	45	35	7	5	10	10	10	1800	1	1	48	48	41	0.3	-	0.0		
	Upper Heyford ... 408	1030.0	-6	SSW	5	5	48	85	6	5	-	10	10	1800	1028.8	-10	SW'S	4	4	47	85	7	5	10	10	10	1800	1	1	49	48	37	-	-	0.0		
4	Ross-on-Wye ... 223	1027.5	-6	SSW	5	5	47	85	6	5	-	10	10	1800	1027.5	-6	SW'S	5	5	47	85	7	5	10	10	10	2500	1	1	49	45	47	-	-	0.0		
5	Hartland Point ... 299	1029.2	-14	SW	6	6	51	35	8	3	-	10	10	1500	1027.6	-4	SW	5	5	51	35	8	5	10	10	10	2000	1	4	52	50	40	-	-	0.1		
	Bristol ... 209	1031.8	-6	SSW	4	4	53	85	7	5	7	10	10	2300	1029.8	-8	SW	4	4	52	85	7	5	10	10	10	4000	1	3	53	49	49	-	-	0.0		
	Portland Bill ... 32	1032.0	-6	SW	4	4	53	85	7	5	-	10	10	4000	1029.8	-8	SW	4	4	52	85	7	5	10	10	10	2000	1	3	53	50	49	-	Tr	0.0		
	Plymouth ... 82	1032.4	-10	SW	5	5	52	85	6	5	-	10	10	1000	1030.5	-8	SW	5	5	52	85	7	5	10	10	10	2000	1	3	53	50	49	-	Tr	0.0		
	The Lizard ... 240	1031.0	-10	SW	5	5	51	82	7	8	2	10	10	1800	1030.0	-4	SW	5	5	51	85	7	8	10	10	10	1500	1	3	54	49	48	-	-	1.8		
	Scilly (St. Mary's) ... 163	1030.2	-10	SW'S	5	5	52	75	7	5	-	10	10	1800	1028.2	-8	SW'S	5	5	51	85	8	8	10	10	10	1500	1	3	54	50	49	-	-	0.0		
	Guernsey ... 175	1027.0	-12	SW	6	6	52	75	7	5	-	10	10	1800	1026.7	-8	SW	6	6	52	75	7	8	10	10	10	2000	1	3	53	50	49	-	-	0.0		
6	Pembroke ... 142	1027.0	-12	SW	6	6	53	85	6	8	-	10	10	2200	1027.0	-10	SW	6	6	53	85	7	8	10	10	10	2200	1	4	54	51	49	0.2	Tr	0.0		
7	Holyhead ... 26	1024.5	-10	SW'W	6	6	53	75	7	5	-	10	10	2700	1024.7	-6	SESE	3	4	52	75	6	5	10	10	10	2500	1	1	54	52	47	-	-	0.0		
8	Chester (Sealand) ... 16	1026.4	-6	SSW	3	3	53	75	7	5	-	10	10	2700	1024.7	-6	SESE	3	4	52	75	6	5	10	10	10	2500	1	1	54	52	47	-	-	0.0		
8	Manchester ... 70	1026.2	-10	SW'S	4	4	50	75	6	5	-	10	10	3500	1024.8	-6	SSW	4	4	49	75	6	5	10	10	10	3200	1	1	52	47	42	-	-	0.0		
10	Spurn Head ... 29	1025.5	-2	SE	3	3	47	85	6	4	-	10	10	4000	1024.1	-4	S	4	4	47	85	7	5	10	10	10	4000	1	3	49	49	49	-	Tr	0.0		
	Catterick ... 175	1029.7	-6	WSW	3	3	50	75	7	5	-	10	10	2500	1021.2	+10	WSW	4	4	51	75	7	5	10	10	10	2500	1	0	53	50	48	-	-	0.0		
	Tynemouth ... 108	1020.2	-4	WSW	6	6	53	75	7	2	-	10	10	2000	1018.3	-10	WSW	4	4	52	65	6	8	10	10	10	2000	1	2	55	51	44	-	-	0.0		
11	St. Abbs Head ... 280	1016.1	+2	SW	6	6	51	75	8	4	4	10	10	2500	1014.4	-14	W	6	6	50	75	8	4	10	10	10	2500	1	3	53	50	49	-	Tr	0.0		
	Leuchars ... 36	1014.7	-6	WSW	7	7	53	85	6	5	2	10	10	2500	1013.1	-2	WSW	7	7	51	85	6	5	10	10	10	1100	1	1	54	50	50	-	Tr	0.0		
12	Reitraw (Abbotsl.) ... 19	1016.6	0	SW	5	5	53	85	7	5	-	10	10	2500	1015.4	-6	SW	5	5	52	85	6	5	10	10	10	2600	1	1	55	51	48	-	-	0.0		
	Eskdalemuir ... 794	1016.6	0	SW	5	5	53	85	7	5	-	10	10	2500	1017.4	-8	WSW	7	7	48	85	7	5	10	10	10	1500	1	1	50	47	40	-	Tr	0.0		
	Point of Ayre ... 30	1022.5	0	W	6	6	52	85	8	8	-	10	10	2500	1020.0	-12	W'S	6	6	52	85	8	8	10	10	10	2500	1	4	52	51	49	-	-	0.0		
13A	Tiree ... 22	1004.0	0	SW	8	8	53	82	6	5	2	10	10	1000	1010.0	-4	SW'W	7	7	51	87	6	5	10	10	10	1200	1	1	55	50	49	-	6	0.0		
13B	Stornoway ... 80	1004.0	0	SW	8	8	53	82	6	5	2	10	10	1000	1003.8	-2	SW	6	6	53	87	6	5	10	10	10	900	1	1	55	50	49	-	8	0.0		



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 27th November 1940.

No. 28862

OBSERVATIONS at 13h. G.M.T. 26th November

OBSERVATIONS at 18h. G.M.T. 26th November

PAST 24 HOURS.

OBSERVATIONS at 3h. G.M.T. 26th November														OBSERVATIONS at 18h. G.M.T. 26th November														PAST 24 HOURS.								
Disector.	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. 0-9 (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)	WEATHER.								
				Dir.	Force. 0-12 (4)					Form.	Amount. Low Total 0-10 0-10 (12) (13)	Height of Base (feet) (14)	Dir.			Force 0-12 (18)	Form.					Amount Low Total 0-10 0-10 (23) (24)	Height of Base (feet) (28)	7h.-13h. 26th (37)	13h.-18h. 26th (38)			18h. 26th (39)	1h.-7h. 27th (40)							
1	London (Kew)...	1028.3	-16	SW	4	c	50	75	7	3	-	7-8	94	2500	1026.1	-10	SW'S	4	c	47	85	7	5	-	-	94	94	1500	1	*	cm,c	c	c	c		
	Croydon ...	1028.2	-12	WSW	2	z	52	75	6	5	-	94	94	3500	1026.7	-6	SW	3	z	46	85	6	5	-	-	46	46	3000	1	*	cmo	cmo	c	cpdcm		
	S. Farnborough	1021.9	-14	SSW	6	c	49	75	8	5	3	-	9	94	2000	1026.6	-12	SSW	4	c	47	85	7	5	-	-	94	94	1300	1	*	c	c	c	c	
	Boscombe Down	1028.6	-14	SSW	5	c	50	75	8	5	-	-	7-8	9	1600	1026.3	-8	SSW	5	c	46	85	7	5	-	-	7-8	7-8	1100	0	*	c	c	c	c	
	Calshot (Soton.)	1029.5	-14	SW	5	c	50	75	8	5	-	-	10	10	2500	1027.2	-10	SW'S	4	c	48	85	7	5	-	-	94	94	1600	1	2	c	c	c	cm	
	Lympne ...	1029.3	-14	SW	4	c	49	85	8	5	-	-	94	94	1800	1027.3	-14	SW	3	c	46	92	8	5	-	-	94	94	800	1	3	c	c	c	cm	
	Manston ...	1028.4	-18	SW'S	5	c	51	85	7	5	-	-	9	9	1800	1026.8	-6	SSW	4	bc	46	92	7	5	-	-	2-3	2-3	1500	1	3	cmoc	cbe	cbe	beb	
2	Shoeburyness ...	1028.2	-20	SW	4	c	52	75	8	5	-	7	1	94	2500	1026.6	-10	SW	4	c	46	85	8	5	-	-	7-8	7-8	4000	1	*	c	c	c	bcc	
	Felixstowe ...	1027.3	-18	SW'S	4	c	50	85	7	5	7	8	1	94	2000	1026.1	-6	SW	5	z	46	85	6	5	-	-	2	0	46	1	3	cmo	cbe	cbe	bcc	
	Gorleston ...	1026.1	-20	SW	4	bc	51	75	7	-	4	8	0	46	-	1025.9	-12	SW'S	4	bc	47	85	6	5	-	-	2-3	2-3	2500	0	2	cmo	cbe	cbe	bcc	
	Mildenhall ...	1025.7	-22	SW'S	5	c	53	75	7	7	6	2-3	9-8	2500	1024.0	-10	SW'S	4	z	46	85	6	5	-	-	0	Tr	-	0	0	*	cmoc	cbe	cbe	bcc	
	Cranwell ...	1024.0	-14	WSW	7	bc	51	75	7	5	9	-	2-3	46	2500	1021.9	-12	WSW	5	z	47	85	6	5	-	-	0	0	-	1	*	cmoc	cbe	cbe	bcc	
3	Birmingham ...	1024.9	-10	SW	4	bc	51	75	7	1	-	3	2-3	46	4000	1022.7	-20	SSW	4	bc	47	85	7	5	-	-	1	Tr	2-3	2500	1	*	bc	bc	bc	bcc
4	Upper Heyford	1027.4	-10	WSW	5	c	51	75	8	5	-	-	7-8	7-8	2200	1025.1	-8	SSW	4	c	46	85	8	5	-	-	6	7-8	94	1800	1	*	c	c	c	bcc
	Ross-on-Wye ...	1025.8	-14	SW'S	4	bc	51	75	8	5	-	0	2-3	46	2500	1023.5	-12	SW	4	bc	49	85	7	5	-	-	2-3	2-3	2500	1	*	bc	bc	bc	bcc	
5	Hartland Point	1025.8	-16	SW	5	c	51	85	8	5	4	-	7-8	7-8	2000	1023.6	-8	SW	4	c	50	85	8	5	-	-	7-8	7-8	1500	1	3	c	c	c	bcc	
	Bristol ...	1029.5	-14	S	4	c	50	85	7	5	-	-	10	10	4000	1026.6	-10	S	4	c	48	85	7	5	-	-	10	10	4000	1	3	c	c	c	bcc	
	Portland Bill ...	1029.0	-14	SW	4	c	53	85	8	5	-	-	94	94	2000	1026.6	-14	SW'S	5	c	51	85	7	5	-	-	10	10	1800	0	3	c	c	c	bcc	
	Plymouth ...	1028.5	-12	SSW	5	c	51	85	8	5	2	-	7-8	94	2000	1026.1	-10	SSW	5	c	51	92	8	5	-	-	7-8	94	2500	1	3	c	c	c	bcc	
	The Lizard ...	1028.5	-12	SSW	5	c	51	85	8	5	-	-	10	10	1800	1024.5	-8	SSW	5	c	52	85	7	5	-	-	10	10	1800	1	3	c	c	c	bcc	
	Scilly (St. Mary's)	1027.0	-12	SSW	5	c	52	85	8	5	-	-	10	10	1800	1024.5	-8	SSW	5	c	52	85	7	5	-	-	10	10	1800	1	3	c	c	c	bcc	
	Guernsey ...	1027.0	-12	SSW	5	c	52	85	8	5	-	-	10	10	1800	1024.5	-8	SSW	5	c	52	85	7	5	-	-	10	10	1800	1	3	c	c	c	bcc	
6	Pembroke ...	1025.1	-6	SW	6	cq	53	75	7	8	2	-	7-8	94	2500	1021.2	-12	SW'S	7	cq	52	75	7	8	2	-	7-8	94	2000	1	4	cq	cq	cq	bcc	
7	Holyhead ...	1020.8	-18	SW	6	c	53	85	7	5	-	-	10	10	2200	1018.1	-14	SW'S	6	c	53	85	6	5	-	-	7-8	94	2000	1	4	cq	cq	cq	bcc	
	Chester (Sealand)	1023.0	-14	ESE	3	bc	57	65	8	1	4	-	2-3	4-6	2500	1020.1	-16	S	3	c	52	65	8	5	4	-	7-8	7-8	2800	1	*	bc	bc	bc	bcc	
8	Manchester ...	1023.0	-14	SSW	4	bc	53	65	7	5	4	-	1	2-3	2800	1020.1	-16	SSW	3	z	47	85	6	5	-	-	2-3	2-3	2800	0	*	bc	bc	bc	bcc	
10	Spurn Head ...	1021.7	-8	SSW	5	bc	51	85	6	-	4	0	46	-	1020.3	-2	SW	4	bc	47	85	7	5	-	-	8	0	46	-	0	3	cq	bc	bc	bcc	
	Catterick ...	1018.4	-28	WSW	5	bc	53	75	8	5	3	1	2-3	4-6	4000	1017.6	-2	SW'S	3	c	51	75	7	5	-	-	7-8	94	2000	0	*	cbe	cbe	cbe	bcc	
	Tynemouth ...	1018.3	-14	WSW	6	bcq	54	65	6	2	3	-	4-6	4-6	3200	1015.5	-16	WSW	6	bcq	52	65	6	2	-	-	4-6	4-6	3200	1	2	cbe	cbe	cbe	bcc	
11	St. Abbs Head	1012.3	-10	W	7	bcq	52	65	8	4	1	2-3	4-6	2500	1008.2	-18	W	8	cq	49	85	7	4	5	-	-	4-6	7-8	2500	0	4	bcq	bcq	bcq	bcc	
	Leuchars ...	1011.2	-26	WSW	7	c	52	75	7	5	7	-	7-8	9	900	1008.3	-16	SW	7	z	52	75	6	5	7	-	-	4-6	7-8	2200	1	*	c	c	c	bcc
12	Renfrew (Abbots L.)	1014.1	-12	SW'S	4	c	53	85	8	5	7	-	7-8	94	2500	1010.1	-20	SW'S	5	ir	51	97	5	-	-	-	-	-	-	-	-	-	-	-	-	
	Eskdalemuir ...	1016.1	-10	W'S	6	c	48	75	7	5	-	-	94	94	1500	1012.7	-8	SW'S	6	c	48	85	7	5	-	-	10	10	1200	1	*	c	c	c	bcc	
	Point of Ayre ...	1019.2	-6	WSW	4	c	53	85	8	5	-	-	9	9	2500	1015.2	-20	SW'S	6	c	52	85	8	5	2	-	-	4-6	10	1500	0	4	cq	cq	cq	bcc
13A	Tiree ...	1007.7	-16	SW	7	bc	51	97	6	-	2	-	10	10	800	1004.9	-8	SW'S	6	bc	51	97	7	5	-	-	4-6	4-6	1500	1	5	prdr	prdr	prdr	bcc	
13B	Stornoway ...	1003.0	-18	SSW	7	rr	52	92	6	5	2	-	9	10	1000	999.5	-12	SSW	7	c	53	75	7	5	7	-	-	7-8	94	1000	1	4	err	err	err	bcc
15	Dalwhinnie ...	1010.4	-16	SW	5	c	47	92	8	8	-	-	94	94	800	*	-16	SSW	5	rr	47	92	7	5	2	-	-	7-8	94	800	1	*	bc	bc	bc	bcc
	Aberdeen ...	1009.1	-26	SW'S	5	bc	52	85	7	5	3	-	2-3	2-3	4000	1006.3	-6	SW	4	bc	52	75	7	5	-	-	2-3	2-3	1500	1	2	cbe	cbe	cbe	bcc	
	Wick ...	1004.8	-16	SW	4	c	53	85	9	5	7	8	46	94	1500	1001.2	-14	SW	3	c	52	85	7	5	1	-	-	7-8	9	2500	1	2	dcdc	cprc	cprc	bcc
16	Lerwick ...	1004.1	+2	NW	4	bc	46	92	6	5	2	-	7-8	10	800	998.3	-22	E	3	rr	44	92	5	6	2	-	-	4-6	10	450	1	*	c	c	c	bcc
17	Blacksod Point...	1011.4	-18	S	7	DR	52	97	5	6	-	-	10	10	4150	1009.8	0	SW	7	bcq	52	85	7	9	-	-	4-6	4-6	800	1	5	drq	cbeq	cbeq	bcc	
18																																				

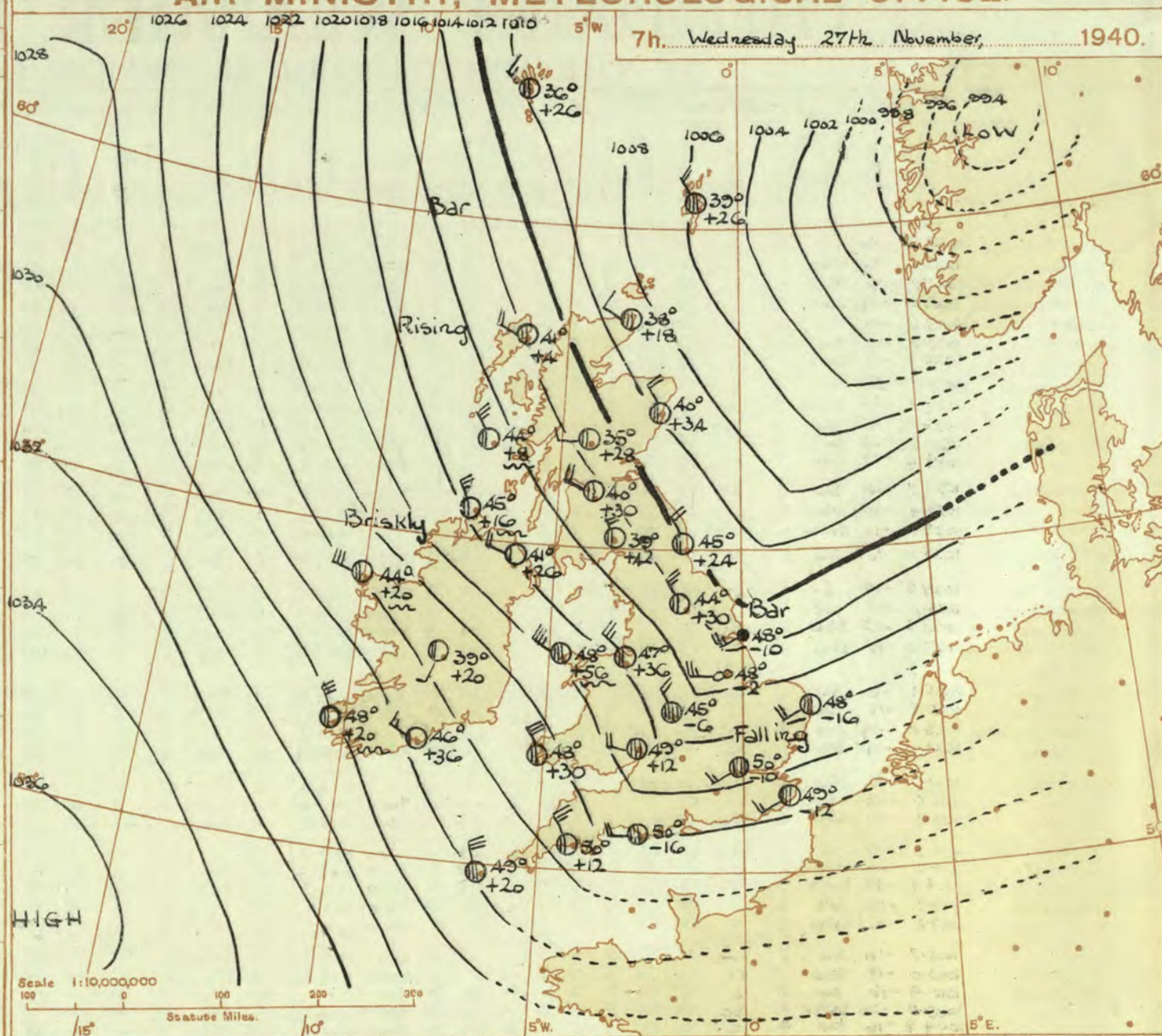


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 26th November 18h. G.M.T.				01h. G.M.T. 27th November 07h. G.M.T.								
III <sub>C<sub>1</sub>M</sub>	wwVhN <sub>1</sub>	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN <sub>2</sub>	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>1</sub> C <sub>2</sub>	wwVhN <sub>4</sub>	DDFWN	
109			52	4744	20665				20	25853	26383	
115												
203	5-	64628	49868	8-	81736	17666	5-	81948	30488			
206	84	22855	57585	81	62854	23568	52	02855	26388	5-	01855	24185
210	54	02966	54626	5-	61854	53764	51	61845	60666	8-	02855	26485
220	52	58516	22758							52	25855	26688
230	62	55534	51558	62	59636	50568	8-	02755	63465	80	81847	23387
245	-	14647	53727	5-	14657	20727	50	14753	53813	50	02762	26322
260	5-	02856	20516	50	61853	55613	50	01855	55465	50	00862	26302
277	53	02846	18627	5-	02758	51658	5-	02748	20528	26	25883	17643
279	-	05698	20428									
285	3-	51636	22656	6-	61637	14767				20	01744	28684
288	54	02854	54525	5-	02756	53426	5-	61757	53527	5-	02865	22365
273										30	01852	28282
305	54	01745	20315	50	05653	20313				83	01753	61464
321	54	00761	54513	07	05690	22404	50	05663	23413	50	21658	23355
290	54	05643	18314	00	05690	20400	50	05643	20403	5-	61548	22368
295	54	05664	20414	04	05690	20411	57	02755	19518	50	22863	57623
310	-	01624	20514	-	05524	24514				-	05528	26528
316	14	05651	20413	50	05552	18302	5-	05557	51428	87	81844	59468
338	5-	02757	20557	5-	02747	20557	20	22745	55665	10	01753	61713
334	-	01753	20614								01663	24213
340	74	01854	20514	50	01854	18514	5-	21758	20458	83	05853	61383
136	54	01743	53614				5-	02748	52528			
336										20	01753	28513
355	54	02755	51525	50	01754	51414				53	05646	51428
368												
379	5-	02757	20427				5-	05638	20528	5-	05145	20425
390	53	01764	20425	50	68443	18313				5-	05545	18328
382	54	02855	19425	54	05644	18425	5-	05658	21428	69	21733	22424
438	8-	03853	24428							8-	03748	24528
435	5-	02748	20328	5-	05546	20326	5-	05648	22428	5-	52648	22458
409				5-	02747	18527	5-	52738	19558	2-	02845	63655

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>1</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 27th November, 1940

1 S.E. England	Fresh northwest winds, decreasing moderate to light; fine, rather cold, sharp ground frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Fresh squally northwest winds, decreasing to light; bright periods, local rain and hail showers at first, then fine; rather cold, frost locally at night.
8 N.W. England	
9 N. Midlands ...	As 1-6
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh squally, northwest winds, moderating slowly; squally showers of rain and hail with snow on hills; bright periods, less general showers tomorrow; cold, night frost in places.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate northwest winds, falling light. Mainly fine apart from local coastal showers; rather cold, sharp frost inland at night.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

GENERAL INFERENCE.

A depression over South Norway and an associated trough over East Anglia and Brittany are moving away eastwards and a ridge of high pressure will move in over the British Isles. Colder, northwesterly winds will soon be general over the whole country. There will be some wintry showers in North and Northwest districts but weather will be fair to fine over most of England, although there will be some light rain or showers in East Anglia and extreme Southeast England this morning.

FURTHER OUTLOOK.

Fair quiet weather. Some fog in England.

Forecasts issued at 1030h G.M.T.

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

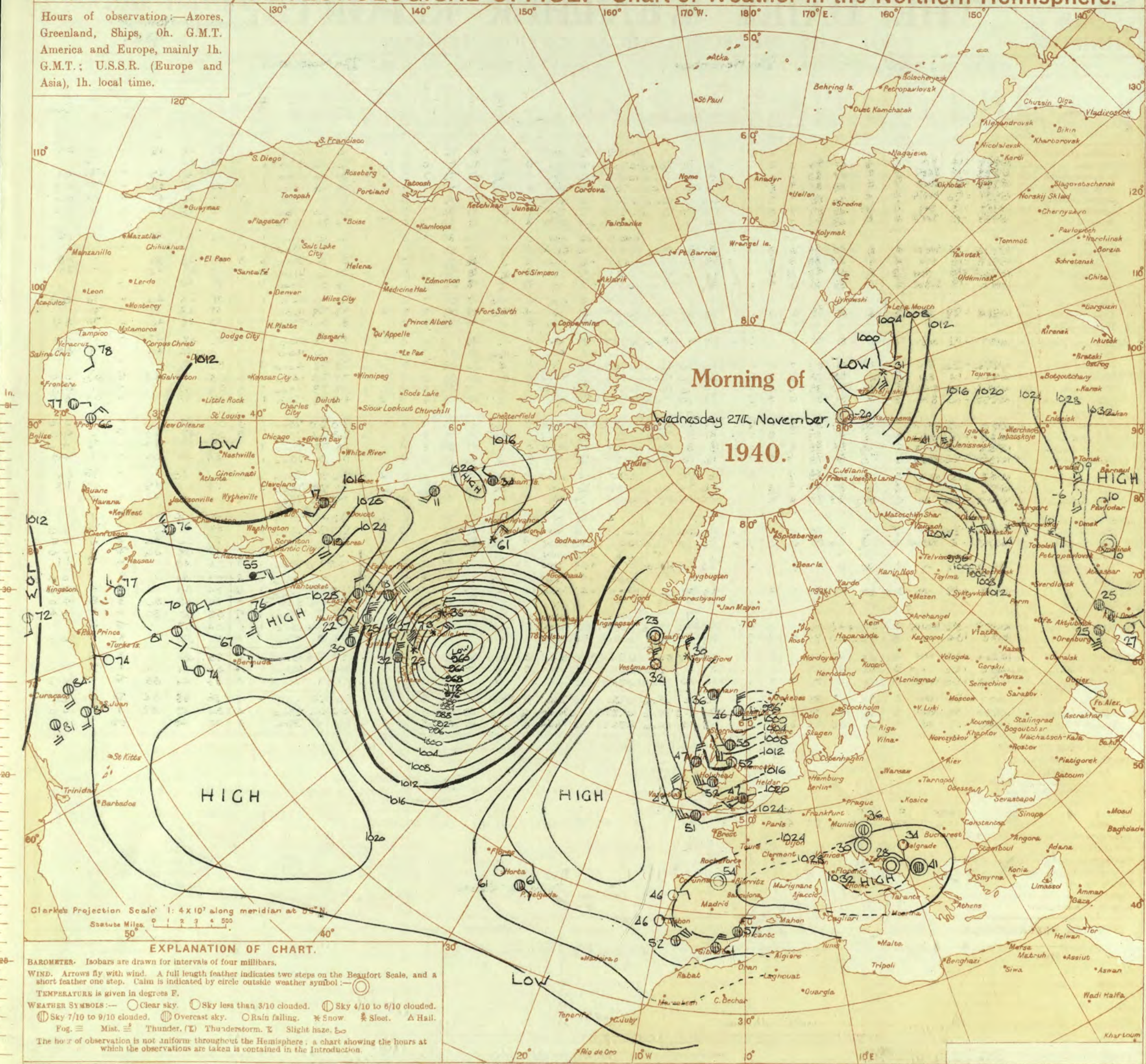
H.M.S.O. Press, Cornwall House, S.E.1.

358/3555, 24/11/40, 2/17/40, 2/17/40, 2/17/40, 2/17/40.



# 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  
Wednesday 27th November,  
1940.

Clarke's Projection Scale 1: 4 x 10<sup>7</sup> along meridian at 0° 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. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. X Slight haze. & ∞

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Wednesday 27th November 1940  
No. 28860

[illegible]

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

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

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

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



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Thursday 28th November 1940.  
No. 28861

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. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.			Barom. M.S.L. -mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. (21)	Visibility (22)	Cloud.			Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																				
				Direc. (3)	Force. 0-12 (4)					Low. (10)	Med. (11)	High (12)			Low 0-10 (13)	Total (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)	State of Ground 0-9 (29)	7h.—13h. ... 27th ... (37)	13h.—18h. ... 27th ... (38)	18h.—24h. ... 28th ... (39)	1h.—7h. ... 28th ... (40)																																																																																																																																																																																											
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (Soton.) ... Lympne ... Manston ...	1022.5 1022.0 1023.4 1024.0 1023.6 1021.1 1020.8	+20 +18 +22 +32 +18 +6 +10	NW W NW NW NW NW WN	4 6 4 5 5 5 4	b Z bc bc bc bc bc/pr	49 49 50 48 50 49 49	55 65 55 55 55 75 75	7 6 8 1 1 8 7	1 - - - - - 3	1 - - 8 1 - - 2-3	1 Tr 2-3 2-3 2-3 4-6 4-6	4000 4000 2500 2500 2500 3300 5000	1024.4 1024.1 1025.2 1026.1 1025.4 1023.5 1023.0	+18 +22 +20 +18 +14 +14 +14	NW NW NW NW NW NW WS	4 3 4 3 4 3 3	b Z b b b Z Z	44 43 43 40 44 40 41	65 75 75 85 65 65 85	8 5 4 7 7 5 5	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- 

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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



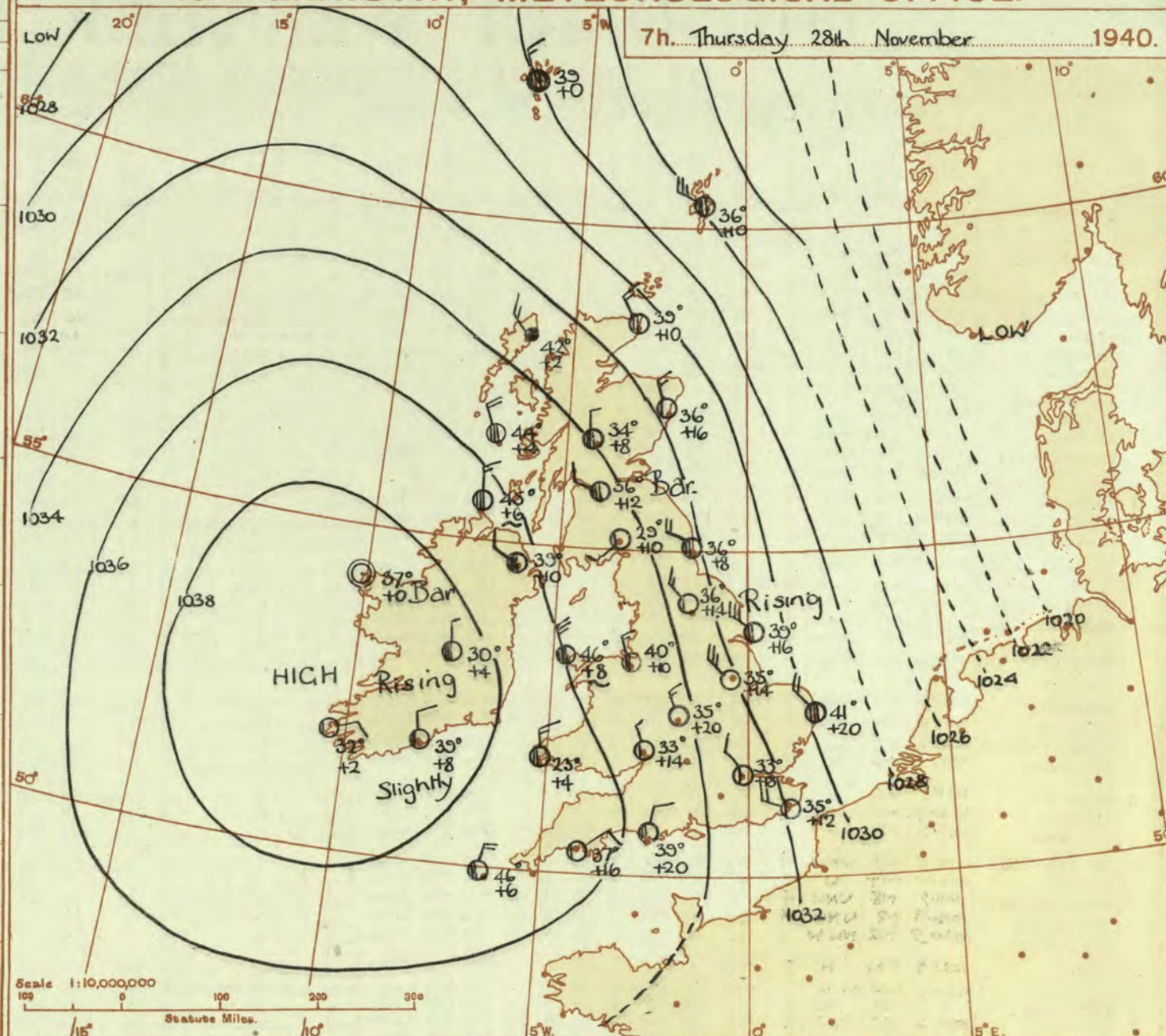
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 27th November 18h. G.M.T.				01h. G.M.T. 28th November 07h. G.M.T.			
III	ww	h	N <sub>h</sub>	III	ww	h	N <sub>h</sub>
109 36	14845	6686	9-	15640	61786	8-	02756 59586
115 87	81844	28685	87	81744	61785	87	81744 61785
203 8-	81945	28585			02947 28427		
206 84	01264	28285	74	25952	28382	8-	02855 61385
210 85	25855	28586	8-	27743	61683	8-	81858 61628
220 30	01854	28514				81	82747 61687
230							
245 83	81244	28426	06	25990	61582	50	14961 65801
260 53	05663	22315	00	00890	28200	20	01863 24113
277 50	02843	24586	20	00951	30681	50	00841 32301
279 20	01774	20514				00	00790 28200
285 23	02745	28616	20	01843	32513	40	01743 32413
288 97	01853	24315	47	01764	28214	50	05664 28414
273 38	63763	30584				30	01862 16102
301 3-	01754	27584	30	25642	32492	00	05690 65300
321 83	01754	59514	06	05690	26413		00
299 80	00742	26302	50	01743	26413	50	05644 26514
292 80	10265	24416	40	00852	24412	50	00742 29402
310			--	73428	26488	--	01633 26413
316 20	01753	28283	36	01652	25484	00	05690 30300
333 26	02865	28625	8-	01853	32583	10	00853 32513
334 --	02754	22355				2-	02957 32357
340 86	81954	26435	9-	81646	26486	00	05690 28380
136 00	05690	28510	40	05662	24322		
336 AC	81853	28586	24	02763	28485		
350						10	01752 32412
368						00	00790 27200
379 20	01754	28414	20	01751	26301	00	00790 28400
390 10	05654	57314	50	05654	26414	00	05690 26500
382 10	0854	52454	40	00851	26401	00	00790 29200
438 50	02763	30313				50	01853 02313
430 24	01753	30414	00	00790	28200	00	05690 32200
409 2-	02855	62515	2-	01855	28615	54	01844 32414

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C, C<sub>h</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility. F = Force of wind—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday, 28th November, 1940
1 S.E. England	Winds N to N.W. fresh at times on The coast, moderate to light inland; mainly fine and bright apart from a few local rain and hail showers on parts of the coast; some local mist or fog in the morning; rather cold; frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotld. B.N.W. Scot- land.	Fresh N.W. winds, moderating; bright periods; some wintry showers with snow on the hills; cold; frost at night.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light northerly to variable wind; fine; some fog by morning; rather cold with sharp frost inland at night.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

**GENERAL INFERENCE.**

An intense anticyclone, centred just west of Ireland will maintain fine, rather cold weather in most districts, with some frost at night. A small secondary disturbance moving southeast near the Shetlands will cause some wintry showers in northern and central Scotland with snow showers on the hills. Some local fog is probable in the morning.

**FURTHER OUTLOOK.**

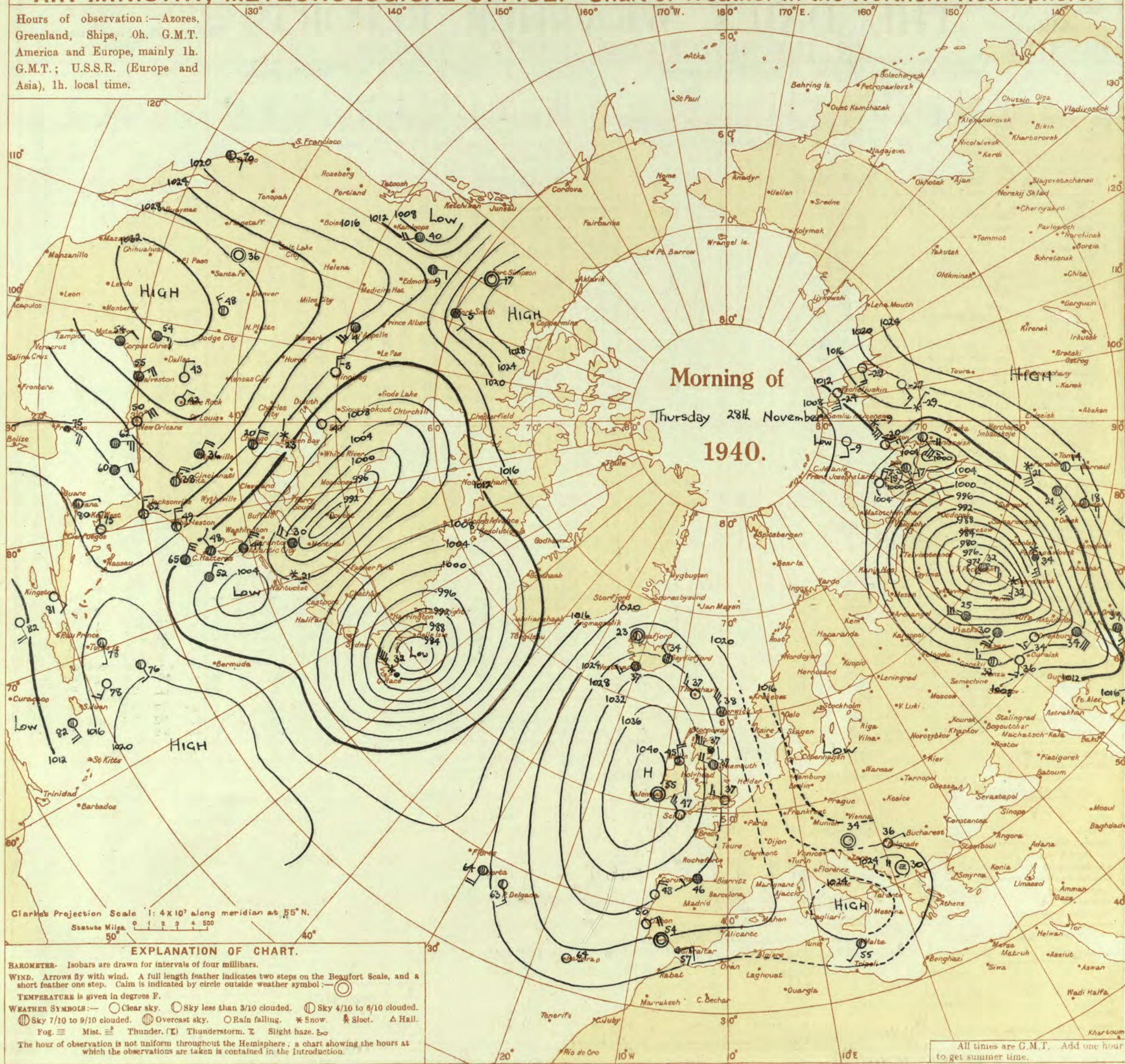
A period of quiet, fair weather in England, Wales and South Scotland, with local fog probably tending to increase by the weekend.

Forecasts issued at 1030h G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
 H.M.S.G. 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.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 28th November														OBSERVATIONS at 7 hr. G.M.T. 28th November														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Visibility. 0-9 (23)	Cloud.			State of Ground. 0-9 (30)	Sea. 0-9 (31)	TEMPERATURE.			RAINFALL.		SUNSHINE. 27h. Hrs. (36)					
					Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount. 0-10 (10)	Height of Base. (feet) (11)			Direc. (17)	Force. 0-12 (18)					Form. (23)	Amount. 0-10 (24)	Height of Base. (feet) (25)			Max. Day 7h-18h °F. (32)	Min. Night 18h-7h °F. (33)	Min. on Grass °F. (34)	Day 7h-18h mm. (35)	Night 18h-7h mm. (35)						
1	London (Kew)	18		*	*	*	*	*	*	*	*	*	1033.3	+22	NW	2	3	30	75	6	5	-	Tr	Tr	25.00	1	*	51	35	20	Tr	Tr	47				
	Croydon	217	1029.4	+24	NNW	3	b	37	85	6	*	*	1033.1	+18	NW	2	3	30	80	5	-	-	-	Tr	Tr	25.00	1	*	50	32	28	Tr	Tr	3.3			
	S. Farnborough	226	1030.4	+26	NNW	2	b	37	85	7	*	*	1034.3	+18	WNW	3	3	33	85	6	-	-	-	Tr	Tr	25.00	1	*	51	33	24	0.2	Tr	4.4			
	Boscombe Down	417	1031.0	+24	NNW	3	b	36	85	7	*	*	1035.4	+22	NNW	3	b	34	75	7	-	-	-	Tr	Tr	25.00	3	*	50	32	26	Tr	Tr	5.4			
	Calshot (Stmntn.)	8	1030.0	+26	NNW	4	b	40	85	7	*	*	1034.0	+18	NNW	3	b	35	85	6	5	-	-	Tr	Tr	26.00	2	*	48	35	30	Tr	Tr	6.5			
	Lympe	346	1030.0	+26	NNW	4	b	40	85	7	*	*	1030.2	+12	NNW	4	b	35	85	6	5	-	-	Tr	Tr	30.00	1	*	52	34	20	0.1	Tr	2.7			
	Manston	154	1030.0	+26	NNW	4	b	40	85	7	*	*	1030.3	+18	NNW	4	b	38	85	6	5	-	-	Tr	Tr	18.00	1	*	52	34	20	0.1	Tr	2.7			
2	Shoeburyness	11	1027.0	+22	NNW	4	b	38	85	6	*	*	1031.8	+18	NNW	3	b	35	85	6	3	4	-	Tr	Tr	25.00	1	*	52	34	20	0.2	Tr	3.5			
	Felixstowe	15	1025.4	+20	NNW	5	b	40	92	6	8	-	1030.4	+18	NNW	5	b	38	70	7	5	-	Tr	Tr	40.00	1	3	50	34	34	Tr	Tr	4.1				
	Gorleston	5	1027.8	+20	NNW	4	b	36	76	6	6	-	1028.6	+20	NNW	4	b	41	75	6	8	-	Tr	Tr	80.00	1	2	49	34	27	Tr	Tr	3.8				
	Mildenhall	19	1027.8	+20	NNW	4	b	36	76	6	6	-	1031.8	+18	NNW	3	b	34	85	6	5	-	Tr	Tr	55.00	1	0	49	34	27	Tr	Tr	3.8				
	Cranwell	240	1028.0	+22	NNW	5	b	35	85	6	-	-	1032.5	+14	NNW	5	b	35	75	6	-	-	Tr	Tr	0	1	*	49	35	31	0.6	Tr	5.0				
3	Birmingham	535	1030.7	+30	NNW	3	b	35	85	7	-	-	1035.4	+20	NNW	3	b	35	85	6	-	-	Tr	Tr	0	1	*	46	34	28	0.1	0.3	5.6				
	Upper Heyford	408	1030.7	+30	NNW	3	b	35	85	7	-	-	1034.2	+16	WSW	2	b	32	85	8	-	-	Tr	Tr	0	1	*	48	32	26	Tr	Tr	5.0				
4	Ross-on-Wye	223	1030.7	+30	NNW	3	b	35	85	7	-	-	1035.5	+14	NNW	1	b	33	92	8	-	-	Tr	Tr	0	1	*	49	33	28	0.3	Tr	5.5				
5	Hartland Point	299	1033.1	+18	NNW	2	b	45	75	8	5	-	1034.4	+16	NNW	4	b	45	85	8	2	-	Tr	Tr	25.00	1	3	48	38	42	Tr	Tr	4.5				
	Bristol	209	1032.7	+30	NNW	2	b	38	85	6	-	-	1033.1	+18	NNW	1	b	33	92	7	5	-	Tr	Tr	20.00	3	*	49	38	21	Tr	Tr	6.3				
	Portland Bill	32	1031.8	+34	NNW	4	b	45	85	8	-	-	1035.3	+20	NNW	2	b	39	92	8	5	-	Tr	Tr	40.00	1	2	50	38	21	Tr	Tr	6.3				
	Plymouth	82	1034.1	+22	NNW	1	b	41	85	8	-	-	1036.8	+16	NNW	2	b	37	80	7	-	-	Tr	Tr	0	1	51	37	31	0.5	Tr	Tr	6.3				
	The Lizard	240	1034.5	+16	NNW	4	b	42	85	8	8	-	1036.4	+10	NNW	3	b	41	75	8	4	-	Tr	Tr	25.00	1	2	50	38	38	Tr	Tr	7.8				
	Scilly (St. Mary's)	163	1035.0	+16	NNW	5	b	47	85	8	8	-	1036.7	+6	NNW	4	b	46	75	8	4	-	Tr	Tr	25.00	1	3	50	45	45	Tr	Tr	7.8				
	Guernsey	175	1035.0	+16	NNW	5	b	47	85	8	8	-	1036.7	+6	NNW	4	b	46	75	8	4	-	Tr	Tr	25.00	1	3	50	45	45	Tr	Tr	7.8				
6	Pembroke	142	1034.3	+20	NNW	3	b	44	65	7	2	-	1036.4	+4	NNW	3	b	43	75	7	5	7	8	Tr	Tr	30.00	1	2	50	41	41	Tr	Tr	4.7			
7	Holyhead	26	1032.7	+22	NNW	5	b	46	75	8	8	-	1035.6	+8	NNW	3	b	46	75	8	8	3	-	Tr	Tr	27.00	1	3	48	43	41	Tr	Tr	4.4			
	Chester (Sealand)	16	1032.6	+28	NNW	2	b	39	75	8	-	-	1034.3	+10	NNW	3	b	40	75	8	4	-	Tr	Tr	25.00	1	3	48	37	36	Tr	Tr	3.3				
8	Manchester	70	1031.3	+22	NNW	3	b	38	75	8	-	-	1034.3	+10	NNW	1	b	34	85	5	-	-	Tr	Tr	0	1	*	46	30	29	Tr	Tr	2.3				
10	Spurn Head	29	1026.7	+22	NNW	6	b	39	75	7	-	2	1030.6	+16	NNW	6	b	39	75	7	-	2	-	Tr	Tr	4.6	1	4	48	30	20	Tr	Tr	5.6			
	Catterick	175	1030.4	+28	NNW	3	b	39	65	7	5	3	1033.7	+14	NNW	3	b	36	75	7	5	-	Tr	Tr	50.00	0	*	46	35	20	Tr	Tr	6.0				
	Tynemouth	108	1028.9	+24	NNW	4	b	37	75	7	2	-	1031.6	+8	NNW	4	b	36	65	6	2	-	Tr	Tr	30.00	1	4	46	35	31	Tr	Tr	6.0				
11	St. Abbs Head	280	1028.5	+22	NNW	5	b	41	65	8	4	4	1031.5	+14	NNW	5	b	41	65	8	4	4	-	Tr	Tr	25.00	0	3	45	40	40	Tr	Tr	*			
	Leuchars	36	1030.2	+26	NNW	3	b	40	65	7	-	4	1033.2	+24	NNW	2	b	40	65	8	7	-	Tr	Tr	35.00	1	*	45	37	29	Tr	Tr	1.5				
12	Renfrew (Abbots I.)	19	1032.7	+24	NNW	4	b	38	85	8	5	-	1035.2	+12	NNW	2	b	36	85	7	5	-	Tr	Tr	25.00	1	*	49	37	27	0.4	Tr	1.5				
	Eskdalemuir	794	1033.1	+24	NNW	4	b	41	85	8	-	-	1035.1	+10	NNW	1	b	39	75	8	-	4	-	Tr	Tr	25.00	3	*	48	38	20	0.2	Tr	3.5			
	Point of Ayre	30	1033.1	+24	NNW	4	b	41	85	8	-	-	1035.4	+12	NNW	1	b	45	85	8	4	-	Tr	Tr	25.00	1	3	47	43	43	Tr	Tr	2.5				
13A	Tiree	22	1033.0	+12	NNW	4	b	40	75	7	8	7	1035.1	+12	NNW	4	b	44	85	8	5	-	Tr	Tr	20.00	0	4	48	45	45	Tr	Tr	1.1				
13B	Stornoway	80	1033.0	+12	NNW	4	b	40	75	7	8	7	1035.1	+12	NNW	3	b	42	75	7	5	7	-	Tr	Tr	15.00	1	2	48	35	35	Tr	Tr	2.0			
15	Dalwhinnie	1176	1033.0	+12	NNW	4	b	40	75	7	8	7	1034.5	+8	NNW	1	b	34	85	7	5	5	-	Tr	Tr	25.00	4	*	38	33	27	0.6	Tr	0.1			
	Aberdeen	79	1028.3	+24	NNW	5	b	40	75	7	5	7	1031.5	+16	NNW	3	b	36	85	7	8	-	Tr	Tr	25.00	1	2	41	35	32	1	1	2.7				
	Wick	81	1028.3	+24	NNW	5	b	40	75	7	5	7	1030.6	+10	NNW	3	b	35	75	8	7	3	-	Tr	Tr	15.00	1	2	42	37	32	2	2	2.7			
16	Lerwick	156	1028.3	+32	NNW	7	b	38	65	7	8	7	1026.2	+10	NNW	5	b	36	85	7	8	7	-	Tr	Tr	34.00	1	*	41	35	3						



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION  
Friday 29th November, 1940.  
No. 28,862.

		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. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. m. (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. m. (22)	Cloud.				Barom. at M.S.L. mb. (25)	Change in 3 hours. (26)	Wind.		Weather. (29)	Temp. °F. (30)	Humid. % (31)	Visibility. m. (32)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Direc.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low 0-10 Total 0-10 (24) (25)	Height of Base. (feet) (28)	7h.—13h. 28th (37)	13h.—18h. 28th (38)									18h. to 1h. 29th (39)	1h.—7h. 29th (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	London (Kew)...	1030.3	-10	NNW	3	Zo	43	45	6	-	6	0	2-3	1034.9	+8	NNW	2	Zo	38	65	5	5	-	6	2-3	2500	1	*	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx	brnx

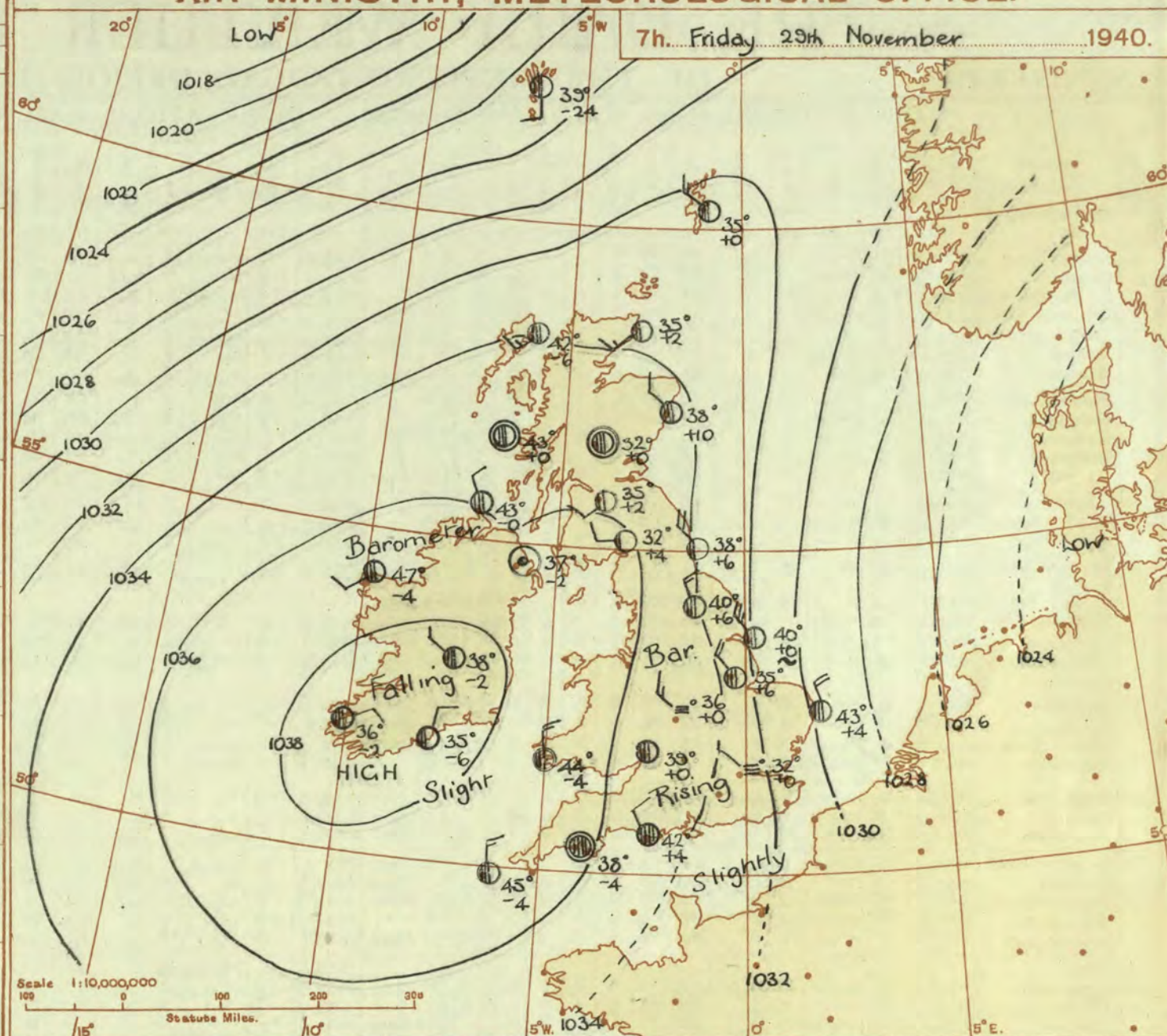


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 28th November				18h. G.M.T.				01h. G.M.T. 29th November				07h. G.M.T.			
III	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>1</sub>	wwVhN <sub>h</sub>	DDFWN	
109	26	25844	28486	8-	81745	31585	50	01853	31413	50	00871	18101			
115	87	81844	28585	87	81844	28685	52	81844	28387	52	62744	24387			
203				8-	02955	24415									
206	83	02955	28285	5-	00853	28183	52	02855	30288	8-	25855	24185			
210	53	02964	24626	5-	61857	61667				8-	25848	20288			
220	53	02856	28417	52	81646	26228				5-	25754	14284			
230	83	10845	22186	8-	02856	30316	57	22855	28167	57	01864	00014			
245	83	02964	24326	43	01963	28425	5-	02866	65486	5-	21757	28387			
260	53	05673	22227	50	01773	26113	57	05664	26117	50	05662	00012			
277	87	02954	28287	33	25842	25382	50	01863	00003	50	22263	28263			
279	87	01765	28215				00	00790	24200	50	01773	28113			
285	13	01852	28514	70	01744	28414				50	01844	32314			
288	50	05661	28313	07	05690	26224	07	05590	28302	5-	05667	28327			
273															
301	54	05661	31215	54	05573	20314	50	05663	30313						
321	03	05630	27413	07	17590	26213	07	05590	28302	57	05574	26314			
299	8-	02745	28515	57	05643	26314	50	05642	24402	80	01744	28684			
292	04	00930	28413	07	01890	26324	04	00890	26302	50	01763	26304			
310	--	05425	26415	--	01523	26413									
316	04	05630	32213	00	41490	28242	00	08490	26200	50	05662	28302			
333	13	02964	03486	5-	02756	00086	20	81754	32314						
334	--	51854	04128								05653	00013			
340	53	05661	28315	00	05690	30210	00	05690	24200	05	05690	28215			
136	86	81753	29516												
336	43	02753	04426	14	01752	04314				14	01752	32413			
350	04	05630	27313												
368															
379	00	05630	28214	04	05690	28114	00	05590	26310	50	05662	28312			
390				00	08490	28310	00	08490	24340	5-	08457	26317			
382	04	05630	28414	50	08461	29101	50	05562	25202	04	05690	28202			
438	00	00730	32400							50	05533	04313			
430	00	00780	32313	00	05590	28114	00	08490	32300	00	05690	30300			
409	2-	03356	01316	50	01864	31214	5-	02758	06128	5-	02767	31227			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C<sub>1</sub>, C<sub>m</sub> = Form of low and medium cloud—See page 1.  
V = Visibility—See page 4.  
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



Mb.  
1050  
1040  
1030  
1020  
1010  
1000  
990  
980  
970  
960  
950  
940  
930  
920  
910  
900

DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 29th November 1940.

1 S.E. England	Light northerly wind; mainly fine; some local fog or mist by morning; rather cold, frost at night.
2 E. England ...	
3 E. Midlands ...	Fresh to moderate northerly wind; considerable fine periods but a few local coastal showers, chiefly today; rather cold, frost inland at night.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	As 1.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind north, moderate, falling light westerly; fair; average temperature
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Freshening Southwesterly wind; mainly cloudy; some light occasional rain or drizzle chiefly near the north and northwest coasts; becoming milder.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Light to moderate westerly wind; mainly fair; average temperature.
18 N.E. Ireland	
19 S.E. Ireland	Light variable breeze; fair or fine; local fog in morning; local frost inland at night.
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 anticyclone with its centre near Southern Ireland is likely to drift slowly S. or S.E. Weather will be fair or fine in most districts but there will be some slight rain or drizzle occasionally in the extreme N.W. and N. of the country, and a few local showers on the East Coast. Frost will occur at night, and some local fog is expected to develop by tomorrow morning.

FURTHER OUTLOOK.

Continuing fair and quiet over England and Wales; risk of fog in places; tending to become cloudy with higher night temperature.

Forecasts issued at 1030h G.M.T.  
H.M.S. G. Press, Cornwall House, S.E.1.

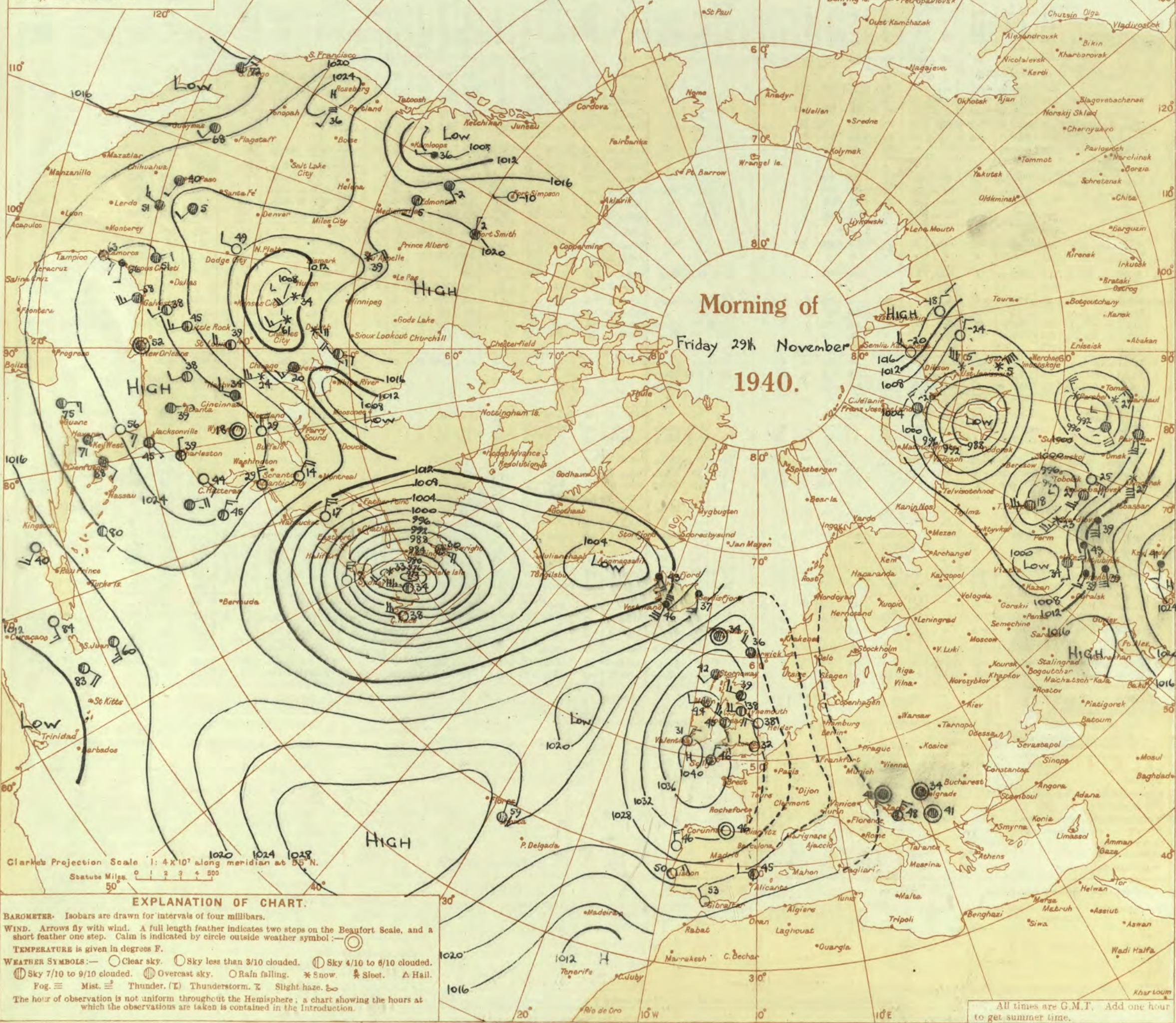
N. K. JOHNSON, D.Sc., A.R.C.S.,  
Director.



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

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

Morning of  
Friday 29th November  
1940.





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Friday 29th November, 1940  
No. 28, 262.

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.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	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).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.			Night 18h-7h mm.								
																																Low.	Med.	High.	Low.		Med.	High.	Low.
1	London (Kew) ... 18	1033.7	-10	NW	2	z	32	85	5	-	-	-	-	1033.7	+2	NNW	3	z	35	85	6	5	-	-	-	4-6	4-6	2500	1	*	44	32	18	-	Tr	6.2			
	Croydon ... 217	1033.6	-10	NW	2	z	32	85	5	-	-	-	-	1033.1	0	NW	1	m	32	82	4	-	3	-	-	4-6	3	3	44	30	27	-	-	5.8					
	S. Farnborough ... 226	1034.5	-12	WN	2	z	30	82	5	-	3	-	-	1034.2	+6	WNW	2	z	32	82	6	-	4	-	-	0	Tr	3	*	45	28	21	-	-	6.3				
	Boscombe Down ... 417	1035.5	-6	NW	2	z	33	85	6	-	-	-	-	1034.7	+2	NW	3	z	36	85	6	5	-	5	-	2-3	4-6	4000	3	*	42	30	25	-	-	6.0			
	Calshot (Stmnt.) ... 8	1034.6	-6	NW	3	z	36	75	5	-	4	-	-	1033.9	+2	NW	3	z	36	85	6	-	4	1	0	1	-	1	2	45	35	31	-	-	7.0				
	Lympe ... 346	1031.7	-10	W	4	z	32	85	5	-	-	-	-																										
	Manston ... 154	1031.4	-10	NW	4	z	38	75	6	-	-	-	-	1030.4	-2	NW	5	5/8	39	85	6	5	3	-	4-6	3	2500	*	*	*	*	*	*	*	*				
2	Shoeburyness ... 11	1030.8	-10	NW	4	z	38	75	5	-	1	0	Tr	1031.6	+2	NW	3	c	37	85	6	5	7	-	4-6	3	2500	3	*	43	33	27	-	-	6.6				
	Felixstowe ... 15	1029.4	-10	NW	3	bc	36	85	6	5	-	-	2-3	2-3	1500	1029.6	+2	NNW	6	5/8	37	85	6	8	-	-	0	3	3000	1	3	44	35	32	*	0.1	*		
	Gorleston ... 5	1029.4	-10	NW	3	bc	36	85	6	5	-	-	-	1029.5	+4	NW	4	c	43	65	6	8	-	-	7-8	7-8	1200	1	3	42	36	31	3	2	1.2				
	Mildenhall ... 19	1031.9	-10	WNW	3	z	32	85	5	-	-	-	-	1031.9	+2	NW	3	z	34	85	6	5	-	-	7-8	7-8	3000	0	*	42	*	*	-	Tr	5.5				
	Cranwell ... 240	1033.0	-6	NW	4	z	34	85	5	-	-	-	-	1033.5	+6	NNW	4	z	35	85	5	5	-	-	7-8	7-8	2000	1	*	43	32	30	-	-	5.3				
3	Birmingham ... 535	1034.1	-12	NNW	2	z	34	85	5	-	-	-	-	1035.1	0	NNW	3	z	36	85	4	-	-	1	0	1	-	1	*	46	35	29	*	Tr	3.0				
	Upper Heyford ... 408	1034.1	-12	NNW	2	z	34	85	5	-	-	-	-	1034.3	+2	NNW	1	m	33	82	4	-	4	-	0	Tr	-	1	*	41	32	24	-	-	*				
4	Ross-on-Wye ... 223	1035.3	0	-	-	-	-	-	-	-	-	-	-	1035.3	0	-	0	c	39	85	8	5	3	-	1	9	2500	1	*	43	34	26	-	-	4.1				
5	Hartland Point ... 299	1036.8	-2	NNE	3	c	46	75	8	5	2	-	4-6	10	1500	1036.1	0	N	3	c	45	75	8	5	2	-	7-8	9+	2000	0	2	47	43	40	Tr	-	0.1		
	Bristol ... 209	1035.8	-4	N	2	bc	40	82	8	5	-	-	4-6	4-6	4000	1035.8	+4	N	2	c	38	85	7	5	3	-	2-3	9+	3000	1	*	34	23	*	-	4.4			
	Portland Bill ... 32	1035.3	-4	N	2	bc	40	82	8	5	-	-	4-6	4-6	4000	1034.8	+4	NW	2	c	42	85	8	5	-	-	10	10	4000	1	2	46	41	*	-	*			
	Plymouth ... 82	1037.5	+2	-	0	c	35	87	4	-	3	-	0	2-3	-	1036.5	+4	-	0	c	38	82	4	5	-	-	10	10	3000	0	0	47	35	31	-	-	2.4		
	The Lizard ... 240	1027.5	0	NNE	3	c	43	75	7	8	2	-	7-8	9+	1500	1036.8	-2	N	2	c	43	75	8	2	-	9	10	2000	0	2	50	39	*	0.5	Tr	4.8			
	Scilly (St. Mary's) ... 163	1038.1	0	N/E	3	c	46	65	8	5	-	-	9+	9+	1800	1037.1	-4	N	3	c	45	66	8	5	2	-	7-8	9+	1200	1	2	49	43	*	-	-	5.8		
	Guernsey ... 175																																						
6	Pembroke ... 142	1038.2	-2	NNW	3	c	45	68	7	8	2	-	7-8	10	2500	1037.1	-4	N	3	c	44	68	8	5	-	-	9+	9+	2500	1	1	49	43	*	-	-	3.4		
7	Holyhead ... 26	1036.4	-2	NNW	5	bc	45	85	8	8	-	-	4-6	4-6	2500																								
	Chester (Sealand) ... 16	1035.0	-4	NW	3	bc	41	75	7	5	-	-	1	1	3500																								
8	Manchester ... 70	1035.0	-6	NW	1	m	*	*	4	-	-	-	0	0	-																								
10	Spurn Head ... 29	1030.4	-4	WNW	5	b	38	85	7	-	-	-	0	0	-	1031.4	0	NW	5	5/8	40	85	7	3	2	-	2-3	7-8	4000	0	4	42	38	*	-	0.2	2.1		
	Catterick ... 175	1033.1	-2	NW	3	bc	38	75	7	5	-	1	1	2-3	4000	1034.7	+6	NNW	3	c	40	75	7	5	-	-	7-8	7-8	4000	0	*	43	37	35	-	-	4.4		
	Tynemouth ... 108	1032.7	+4	W	3	bc	38	75	7	2	-	-	2-3	2-3	3200	1033.9	+6	NW	4	5/8	38	85	6	2	-	-	4-6	4-6	3200	3	3	43	37	32	-	1	*		
11	St. Abbs Head ... 280	1032.5	+12	NW	4	cq	41	75	7	4	7	-	4-6	7-8	2500	1033.9	+4	N	4	c	41	75	7	8	2	-	4-6	9+	2500	1	3	43	39	*	-	3	*		
	Leuchars ... 36	1034.0	+10	W	2	c	39	75	7	5	3	-	4-6	9+	3500	1034.8	+6	W	1	bc	37	85	7	8	3	-	2-3	7-8	2500	1	*	34	36	27	-	-	0.5		
12	Renfrew (Abbots I.) ... 19	1035.7	+2	W	2	c	39	85	7	5	-	-	10	10	5000	1035.8	+2	SW	2	z	35	97	6	5	3	-	2-3	4-6	4000	1	*	43	35	30	1	-	0.2		
	Eskdalemuir ... 794		*	*	*	*	*	*	*	*	*	*	*	*	*	1035.9	+4	W	2	bc	32	85	8	-	3	-	0	1	-	3	*	40	32	26	-	-	2.3		
	Point of Ayre ... 30	1036.2	0	N	4	bc	46	75	8	4	-	-	2-3	2-3	2500	1035.9	0	N	3	b	44	85	8	4	-	-	1	1	4000	1	2	46	43	*	0.4	0.1	0.2		
13A	Tiree ... 22		*	*	*	*	*	*	*	*	*	*	*	*	*	1034.5	0	-	0	c	43	85	8	5	-	-	7-8	7-8	2500	0	2	45	37	*	-	-	0.1		
13B	Stormoway ... 80	1034.3	-4	WSW	2	c	42	85	7	5	7	-	7-8	10	1500	1034.1	-6	SW	3	c	42	85	7	5	-	-	7-8	7-8	2000	1	2	44	40	*	0.2	Tr	0.2		
15	Dalwhinnie ... 1176		*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	-	0	c	32	85	6	8	1	-	2-3	7-8	2500	3	*	38	31	25	0.1	Tr	0.2		
	Aberdeen ... 79		*	*	*	*	*	*	*	*	*	*	*	*	*	1034.5	+10	NW	2	c	38	92	6	5	-	-	9+	9+	4000	1	2	41	37	33	1	5	3.0		
	Wick ... 81	1032.6	+6	NW	3	c	41	75	7	5	1	-	7-8	9		1033.3	+2	SW	3	bc	35	92	7	5	4	-	2-3	2-3	1500	1	2	43	35	*	0.6	0.1	*		
16	Lerwick ... 156	1031.4	+12	NNW	4	c	36	75	7	8	7	-	4-6	10	1500	1031.9	0	WNW	3	c	35	75	8	5	7	-	7-8	9	1500	1	*	44	34	*	2	Tr	0.4		
17	Blacksod Point ... 18	1037.7	-6	-	0	c	45	85	8	-	6	-	0	7-8	-	1036.7	-4	SW	2	c	47	75	8	-	7	-	0	9+	-	0	1	47	41	*	Tr	-	*		
18	Malin Head ... 84	1036.6	0	W	2	5/8	44	85	7	8	-	-	7-8	7-8	1500	1036.1	0	NNW	2	c	43	85	7	4	6	-	4-6	7-8	2500	0	3	48	39	*	0.1	0.6	2.5		
	Aldergrove ... 268	1038.1	+2	-	0	b	35	82	7	5	-	-	1	1	4500	1037.4	-2	-	0	pr	37	82	8	8	-	-	9+	9+	2300	1	*	46	30	26	-	Tr	2.0		
19	Birr Castle ... 173	1039.0	-2	SSE	1	c	37	82	7	5	-	-	10	10	2500	1038.4	-2	WNW	1	c	38	85	7	5	1	-	7-8	10	2500	1	*	44	31	28	-	-	1.8		
20	Valentia Obay. ... 30	1039.6	-2	NE/E	2	b	31	85	9	5	-	1	1	1	4000	1038.8	-2	NE/E	2	c	36	85	9	5	-	-	9+	9+	4000	3	1	48	30	24	Tr	Tr	6.4		
	Roches Point ... 22	1039.9	0	NNE	2	bc	37	82	8	5	-	-	4-6	4-6	2500	1038.8	-6	NNE	2	bc	36	82	8	5	-	-	2-3	2-3	2500	1	2	47	34	*	-	Tr	*		
LONDON OBSERVATIONS																														EXPLANATION OF FIGURES, LETTERS, etc.									
Day 7h-18h, Kew & Croydon.																														Atmospheric Pollution.									
9h-18h, Kensington.																														Milligrams of Solid Impurity per cubic metre.									
9h-21h, other stations except for rainfall which is 9h-18h.																														24 hrs. ended 7h. G.M.T. 25th									
Kew ... 18																														SOUTH KENSINGTON.									
Croydon ... 217																														Max. Time. Min. Time.									
Greenwich (Royal Observatory) ... 149																														Kew Observatory.									
City (Bunhill Row) ... -																														Max. Time. Min. Time.									
Westminster (St. James' Park) ... 27																														Defective Record.									
Regents Pk. (Botanic Gardens) ... 168																														Beaufort No. Statute m/h. Beaufort No. Statute m/h. Beaufort No. Statute m/h.									
Camden Square ... 110																														0 1 4 13-18 9 47-54									
Kensington ... 80																														1 1-3 5 19-24 10 56-63									
Hamstead Observatory ... 450																														2 4-7 6 25-31 11 64-75									
																														3 8-12 7 32-38 12 75									
																														8 39-46									
FOREIGN OBSERVATIONS.																														COLUMNS 34, 35.									
18h. G.M.T. 7h.																																							

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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  
Saturday 30th November, 1940.  
No. 28,863.

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. m. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. m. (22)	Cloud.					Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Direc.	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)			State of Ground. 0-9 (29)	Sea. 0-9 (30)	7h.—13h.	13h.—18h.	18h 29th	1h.—7h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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1	London (Kew) ... Croydon .. S. Farnborough Boscombe Down Calshot (Soton). Lympne ... Shaunton ...	1033.6 1032.9 1034.2 1035.2 1034.0 1031.3 1031.3	-2 -6 -6 0 -2 -2 0	N NW NNW N N NW/N NW	4 3 3 4 4 4 5	Z 3 Z Z bZ b Z	43 41 43 42 44 41 42	65 75 68 75 75 85 75	6 4 6 6 6 5 6	5 3 - - - 1 2	1 - - 1 - 1 1	Tr 0 0 Tr 0 Tr 2.3	2500 - - - - 4000 2000	1035.4 1034.8 1035.7 1036.2 1035.0 1033.0 1033.0	+12 +18 +14 +8 +8 +12 +8	N NW WNW NE N NW N	3 1 2 1 3 3 5	Z bf m m Z Z bc/pr	39 32 33 35 40 37 41	75 92 92 85 75 85 85	6 3 4 5 6 6 6	- - - - - 4 8	- - - - - - -	0 0 0 0 0 Tr 4.6	2.3 0 0 0 2 2 1.6	- - - - - 4000 2500	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - 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- - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx bcm bcm bcm bm cbr cbr	bz bf bz bz bz bcm cpr	0 0 0 0 0 0 0	2.3 0 0 0 0 0 0	- - - - - - -	1 1 1 1 1 1 1	*	*	*	*	bcmx

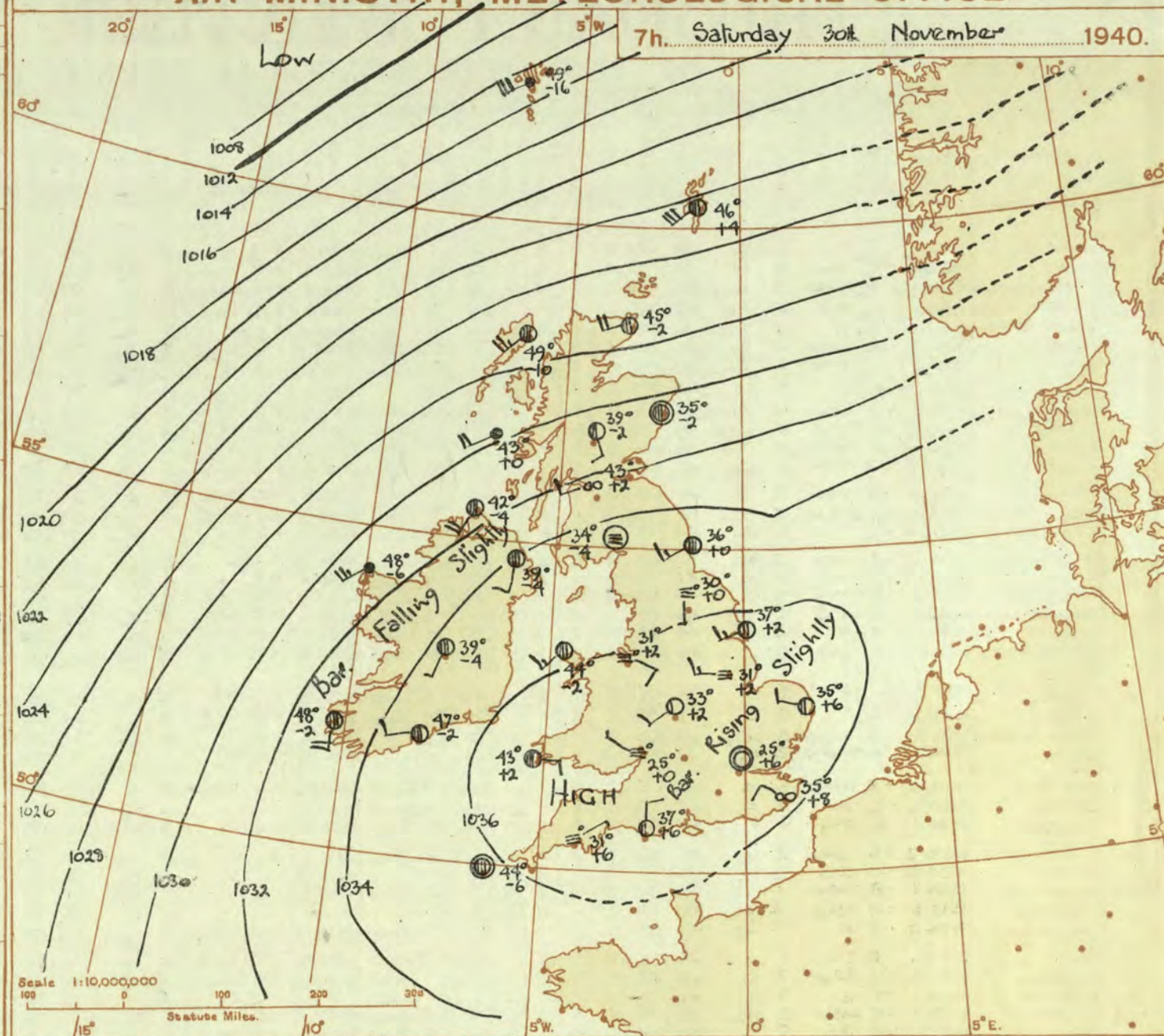


Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 29th November				18h. G.M.T.				01h. G.M.T. 30th November			
III	C <sub>1</sub>	ww	Vh	DDFWN	C <sub>1</sub>	C <sub>2</sub>	ww	Vh	DDFWN	C <sub>1</sub>	C <sub>2</sub>
109	57	02865	18417	57	01762	18463	07	01730	18414	52	22754
115	52	81734	20486	52	81734	20487	52	81734	53387	52	62635
203											
206	54	02964	24225	50	00963	20223	5-	02835	00065	50	21863
210	57	02961	20225				51	02965	18315	57	02965
220										52	03645
230	83	25855	20226	5-	62748	00068	5-	02766	18266	5-	22748
245	53	01861	22184	03	00730	22222	07	02730	20127	51	05662
260	00	08430	00015	50	08430	24113	5-	05678	22228	5-	02775
277	8-	02953	22225	5-	05667	00027	5-	02767	21527	5-	02777
279	00	05690	00013								
285	70	01853	32303	50	00852	32302				--	51309
288	5-	05567	30347	07	45330	00042	00	47330	20100	03	05630
273	43	01763	27106							43	01853
301	03	05690	01145	50	45322	00042	--	43109	08149	6-	67238
321	50	05676	31326	53	05562	28214	00	45290	26100	00	47290
299				50	01743	02215	5-	05648	24215	50	05543
292				50	05661	00011	50	45362	00002	50	47263
310				--	01533	32313				--	01643
316	03	08430	30316	00	08430	32110	00	45330	00040	00	45330
333				5-	01734	00084	5-	05655	00025	8-	62658
334	**	81855	32186							**	03658
340	00	05630	32203	00	08430	02113	00	45330	00040	50	45343
136	80	02964	31485				46	01752	00083	04	47330
336	46	61753	32455	43	01853	32414				53	03755
350	07	05630	28313	00	05590	28210				00	45030
368											
379	50	05663	32303	00	05590	32200	00	47330	00000	03	05590
390	50	01674	30424				00	47290	24140	54	43372
382	04	05630	30401	04	05590	30201	00	45330	28140	03	47290
438	50	01543	04443							50	01753
430	00	05630	30301	00	08430	32200	00	08430	00040	54	05365
409	5-	02968	32528	53	02855	00087	5-	02756	00026	5-	02756

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
 ww, W = Present and past weather—See M.O. 252.  
 h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
 N = Total amount of cloud—See M.O. 252.  
 C<sub>1</sub>, C<sub>2</sub> = Form of low and medium cloud—See page 1.  
 V = Visibility—See page 4.  
 DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 30th Nov: 1940.
1 S.E. England	Light variable wind or calms; fog or mist persisting in many places today; becoming widespread again after dusk and persisting tomorrow; weather fine apart from fog; cold, with frost at night
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Light variable wind becoming mainly south west; fog persisting locally today; becoming mainly cloudy with slight rain locally; cold, becoming milder.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Southwesterly wind, moderate inland, fresh or strong on west and north coasts; cloudy, occasional local rain or drizzle; rather mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Moderate or fresh S.-S.W. wind; cloudy, occasional slight rain or drizzle locally; rather mild.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

## AIR MINISTRY, METEOROLOGICAL OFFICE.



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

### GENERAL INFERENCE.

An anticyclone over England is tending to move slowly S.E. while troughs of low pressure are moving eastwards across northern districts. Fog will persist locally today inland in S. and E. England & Midlands, and will become general again in these areas after dusk. In other districts weather will be cloudy with occasional rain or drizzle locally. It will be cold in the South and East with slight frost at night, & rather mild in the West & North.

### FURTHER OUTLOOK.

Milder cloudy weather with some rain will spread slowly S.E. to all districts, but some further fog is likely in the extreme S.E. at first; rainfall amounts will however be small in the Southeast.

Forecasts issued at 1030h G.M.T.  
 H.M.S.O. Press, Cornwall House, S.E.1.

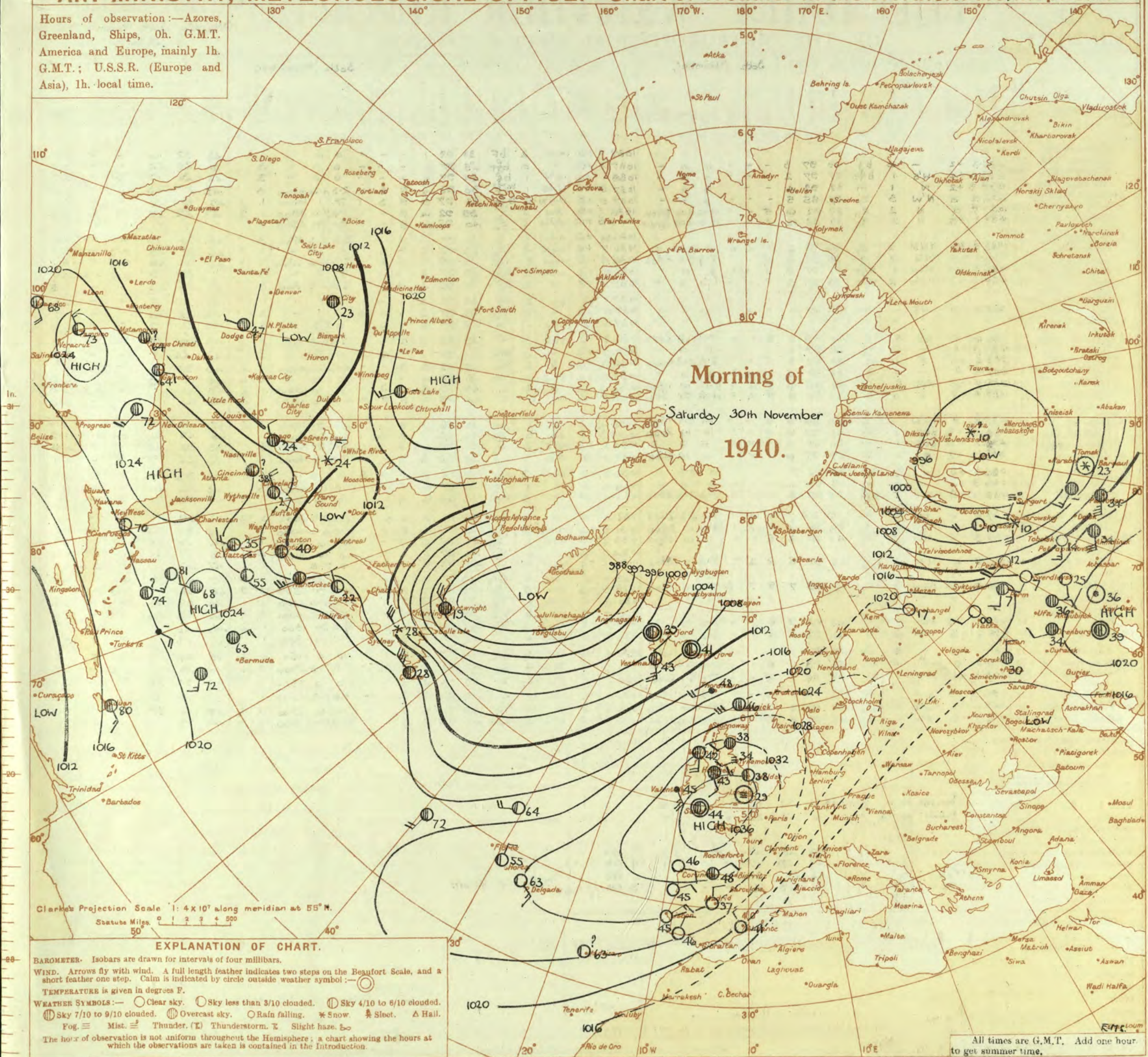
N. K. JOHNSON, D.Sc., A.R.C.S.  
 Director.

359/3555 24-0045 23705 3000, 62, 348 11/40.



# 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. 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. 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.		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. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.			
																																			Low.	Med.	
1	London (Kew)	18	1036.3	+2	*	0	b	32	37	3	*	*	*	*	*	1037.8	+6	SW	2	b	33	32	1	*	*	*	*	*	1	*	43	32	16	-	Tr	5.8	
	Croydon	217	1036.3	+2	*	0	b	29	37	3	*	*	*	*	*	1037.2	+6	*	0	b	25	37	2	*	*	*	*	*	3	*	41	25	24	-	Tr	3.7	
	S. Farnborough	226	1037.3	+4	W/S	1	b	27	37	2	*	*	*	*	*	1038.1	+6	W/N	1	b	24	37	2	*	*	*	*	*	3	*	44	24	17	Tr	-	5.9	
	Boscombe Down	417	1037.3	+2	N	1	b	32	32	4	*	*	*	*	*	1037.6	+2	NNE	1	b	30	32	4	5	3	1	2-3	4-6	4000	3	*	42	27	23	-	-	6.2
	Calshot (Stmtn.)	8	1036.2	0	NW	3	b	37	35	5	*	*	*	*	*	1037.0	+8	NW/N	2	b	32	37	3	5	3	1	Tr	1	6000	1	*	45	31	28	-	-	7.0
	Lympe	346	1034.7	0	N	2	b	35	32	6	*	*	*	*	*	1036.2	+8	NW	2	b	35	32	6	5	-	1	7-8	7-8	3500	1	*	43	32	27	Tr	Tr	5.2
	Manston	154	1035.1	+6	N	2	b	42	35	6	*	*	*	*	*	1036.5	+10	WNW	2	b	40	32	6	5	-	1	9+	9+	2500	*	*	*	*	*	*	*	
2	Shoeburyness	11	1035.5	+6	NW	3	b	36	32	6	*	*	*	*	*	1036.6	+8	NNW	2	b	31	37	4	4	-	2-3	2-3	5700	3	*	44	30	23	-	-	4.8	
	Felixstowe	15	1035.5	+6	NW	3	b	36	32	6	*	*	*	*	*	1036.7	+8	NNW	2	b	33	32	5	3	1	2-3	2-3	5700	1	*	46	31	28	0.2	-	4.2	
	Gorleston	5	1035.2	+4	NW	2	b	38	35	6	*	*	*	*	*	1036.4	+6	WNW	2	b	35	35	6	5	4	2-3	4-6	2500	1	*	46	34	28	0.5	-	*	
	Mildenhall	19	1036.3	+6	WNW	2	b	31	37	3	*	*	*	*	*	1036.8	+2	WSW	2	b	28	37	2	-	-	0	0	-	3	*	28	19	0.4	0.2	2.7		
	Cranwell	240	1037.0	+2	NW	2	b	33	37	3	*	*	*	*	*	1037.2	+2	W	3	b	31	32	3	5	-	2-3	2-3	1500	3	*	41	35	24	-	-	1.5	
3	Birmingham	535	1036.3	0	NE	1	b	32	37	4	*	*	*	*	*	1037.1	+2	SW	2	b	33	37	3	-	-	1	0	1	-	1	*	41	31	15	-	-	4.4
	Upper Heyford	408	1036.3	0	NE	1	b	32	37	4	*	*	*	*	*	1037.5	+2	*	0	b	28	37	2	-	-	5	0	1	-	3	*	42	28	20	-	-	*
4	Ross-on-Wye	223	1036.3	0	*	*	*	*	*	*	*	*	*	*	*	1037.5	0	NW	1	b	25	37	4	-	-	1	0	2-3	-	3	*	45	24	19	-	-	6.6
5	Hartland Point	299	1036.6	0	SE	3	b	40	35	8	*	*	*	*	*	1036.3	+2	SSE	3	b	39	35	8	5	-	7-8	7-8	1500	0	2	46	39	38	Tr	-	0.9	
	Bristol	209	1037.5	+2	*	0	b	29	37	3	*	*	*	*	*	1037.3	+4	*	0	b	24	37	1	-	-	2	0	Tr	-	2	*	44	24	17	-	-	5.2
	Portland Bill	32	1036.5	+4	N	2	b	38	32	8	*	*	*	*	*	1036.5	+6	N	2	b	37	32	8	5	-	4-6	4-6	4000	1	2	45	35	-	-	-	0.9	
	Plymouth	82	1037.5	0	*	0	b	33	37	4	*	*	*	*	*	1037.3	+4	ENE	1	b	31	37	4	-	-	0	0	-	0	0	44	31	29	-	-	0.9	
	The Lizard	240	1036.7	-4	NNE	2	b	42	35	6	*	*	*	*	*	1036.2	+2	N	2	b	43	35	8	2	-	9	10	3000	1	2	43	41	-	-	0.5	0.0	
	Scilly (St. Mary's)	163	1037.2	-2	*	0	b	44	35	8	*	*	*	*	*	1035.7	-6	*	0	b	44	35	8	5	7	4-6	10	1800	1	2	45	42	-	-	-	0.0	
	Guernsey	175	1037.2	-2	*	0	b	44	35	8	*	*	*	*	*	1035.7	-6	*	0	b	44	35	8	5	7	4-6	10	1800	1	2	45	42	-	-	-	0.0	
6	Pembroke	142	1037.0	0	NW	1	b	43	35	8	*	*	*	*	*	1036.4	+2	E	2	b	43	35	7	8	-	9+	9+	1500	1	2	47	42	-	Tr	1	0.8	
7	Holyhead	26	1035.4	-6	SSE	2	b	43	37	6	*	*	*	*	*	1035.3	-2	SW	3	b	44	35	7	5	3	4-6	7-8	3000	1	*	48	42	40	0.1	0.1	1.5	
	Chester (Sealand)	16	1036.4	-4	ESE	1	b	30	37	4	*	*	*	*	*	1036.4	+2	SE	2	b	31	32	4	5	-	9+	9+	4500	3	*	45	29	23	-	-	6.5	
8	Manchester	70	1036.3	-2	E	1	b	37	37	0	*	*	*	*	*	1037.2	0	E	1	b	32	32	3	5	-	7-8	10	4000	3	*	38	24	19	-	-	1.4	
10	Spurn Head	29	1036.3	+2	W	3	b	38	32	7	*	*	*	*	*	1036.4	+2	SW	3	b	37	32	4	-	-	8	0	4-6	-	0	2	44	36	-	Tr	0.5	
	Catterick	175	1036.3	-2	*	0	b	28	37	4	*	*	*	*	*	1035.9	0	S	1	b	30	37	4	5	-	10	10	4500	3	*	43	26	20	-	-	3.3	
	Tynemouth	108	1035.3	-6	SW	2	b	34	35	3	*	*	*	*	*	1034.4	0	SW	3	b	36	35	3	5	-	10	10	2800	1	2	43	33	31	-	-	*	
11	St. Abbs Head	280	1033.5	-6	W	4	b	39	35	7	*	*	*	*	*	1032.6	-4	W	4	b	38	35	7	4	4	2-3	2-3	2500	0	2	42	33	-	Tr	-	*	
	Leuchars	36	1033.2	-2	WSW	2	b	38	35	6	*	*	*	*	*	1031.9	-6	WSW	3	b	37	32	6	5	7	2-3	4-6	4000	1	*	44	33	26	-	-	1.4	
12	Renfrew (Abbots L.)	19	1034.3	-2	SW	2	b	41	32	4	*	*	*	*	*	1033.2	-4	WSW	2	b	43	35	6	5	-	10	10	4000	1	*	46	38	34	-	0.1	5.1	
	Eskdalemuir	794	1034.3	-2	SW	2	b	41	32	4	*	*	*	*	*	1034.2	-4	*	0	b	34	37	1	-	-	10	10	4150	5	*	41	27	21	-	Tr	6.6	
	Point of Ayre	30	1035.5	0	W/S	2	b	42	37	8	*	*	*	*	*	1034.4	-2	WSW	2	b	40	32	8	-	-	0	7-8	-	1	2	47	36	-	-	0.5	5.1	
13A	Tiree	22	1026.3	-10	SSW	5	b	48	35	7	*	*	*	*	*	1023.4	-2	SW	4	b	43	37	7	-	-	10	10	1500	1	3	47	45	-	*	0.3	0.3	
13B	Stornoway	80	1026.3	-10	SSW	5	b	48	35	7	*	*	*	*	*	1025.9	-10	SSW	5	b	49	35	7	5	7	4-6	9	1500	1	2	48	45	-	5.3	0.1	1.0	
15	Dalwhinnie	1176	1026.3	-10	SSW	5	b	48	35	7	*	*	*	*	*	1030.8	-2	SSE	2	b	39	35	8	5	-	4-6	4-6	4000	1	*	40	35	31	-	Tr	4.6	
	Aberdeen	79	1026.3	-10	SSW	4	b	42	32	7	*	*	*	*	*	1030.7	-2	*	0	b	35	37	2	5	-	7-8	7-8	4000	1	1	44	34	26	-	-	2.5	
	Wick	81	1028.9	-6	SSW	4	b	42	32	7	*	*	*	*	*	1027.7	-2	WSW	4	b																	