

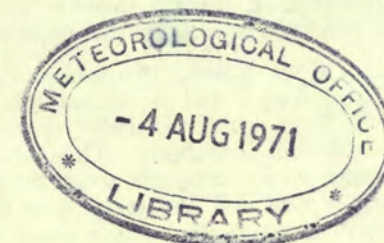
DUPLICATE

THE DAILY WEATHER REPORT

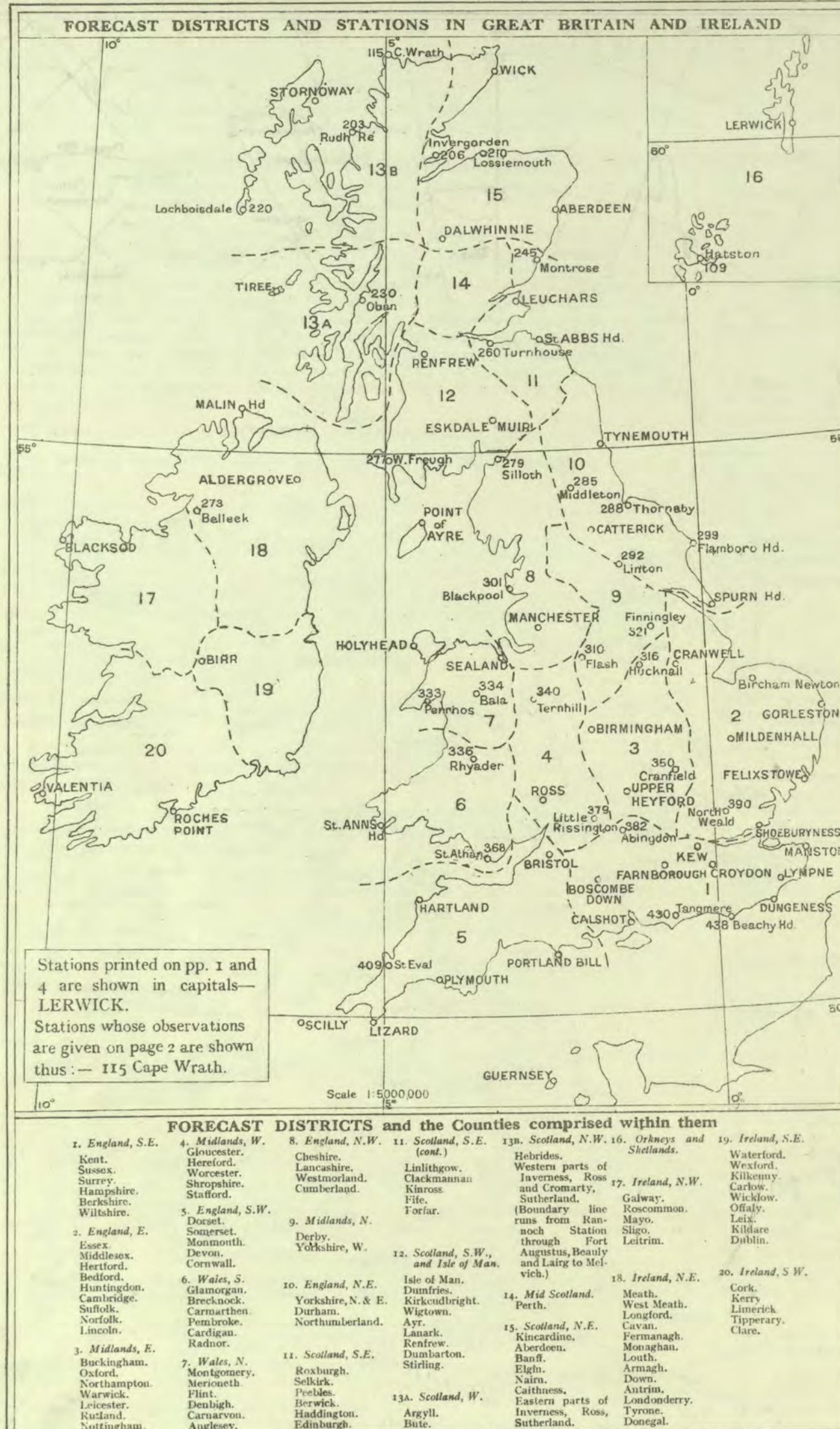
BRITISH SECTION

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.

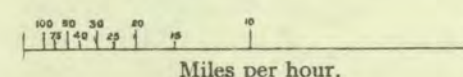
The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper 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 × 10⁷ Charts.
or 2 mb " " 1 : 10⁷ " "



This scale applies under the following conditions:—

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

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

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

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

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

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

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

where x is the vapour pressure in mb.

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

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

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is 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.

Hours at which the observations shown
on the
Northern Hemisphere Chart are taken.

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.

DUPLICATE



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT,
December, 1940 No. 288

Page 1.

Unsettled and stormy becoming cold and dull.

The month opened with most of the British Isles continuing under the influence of an anticyclone moving South; conditions were generally dull and rather unsettled in the North. From the 3rd to the 16th a succession of low pressure systems moved east across the country, giving very unsettled, stormy and rather mild conditions. On the 17th an anticyclone moved north to become established to the northeast of the British Isles until the 23rd, then drifting slowly west and south until the 29th when further disturbances moved in from the Atlantic. Dull, showery conditions of an easterly type persisted throughout this period, with low temperatures particularly in the Midlands and the Southeast, but becoming milder and generally unsettled from the 29th.

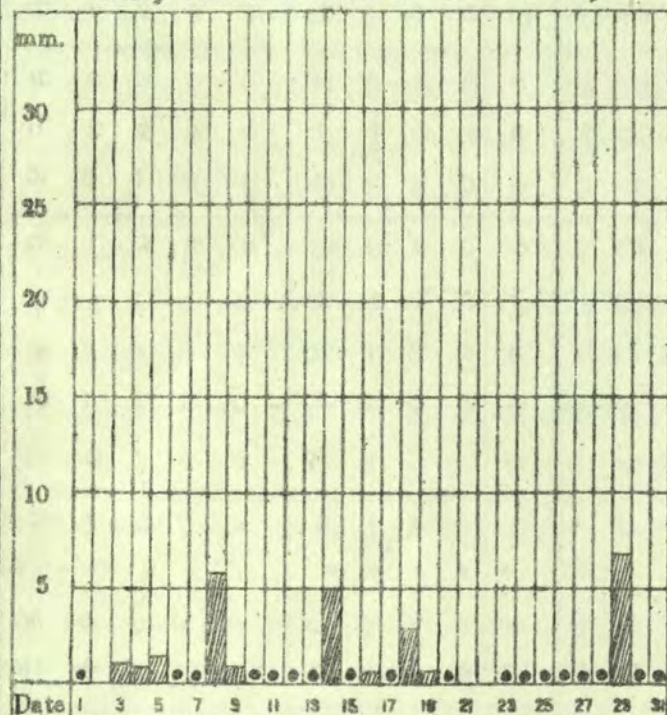
Strong, squally west to northwest winds were prevalent from the 4th to 16th and gales were experienced in many places in the West and North. Thunderstorms and local hail were also reported in these districts on most days until the 16th.

Sunshine totals were generally about average for the month although marked deficiencies occurred in Southwest England and in Ireland. Temperatures for the month were also about average, due to the early mild spell, though screen minima of less than 32°F were reported from most districts on several days, mainly in the second half of the month.

Snow occurred locally in Scotland frequently during the month and was also reported from East Anglia on the 8th and 11th, North Ireland on the 22nd and from many places in East and Southeast England from the 23rd to 25th.

Rainfall was in most areas, however, less than the average, especially in Central and Southeast England, Ross-on-Wye Croydon and Kew recording less than half the normal fall.

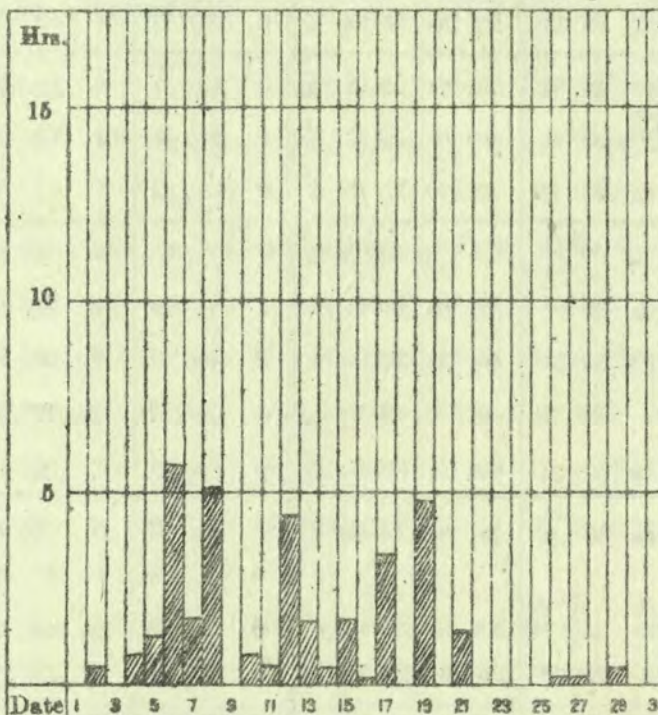
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

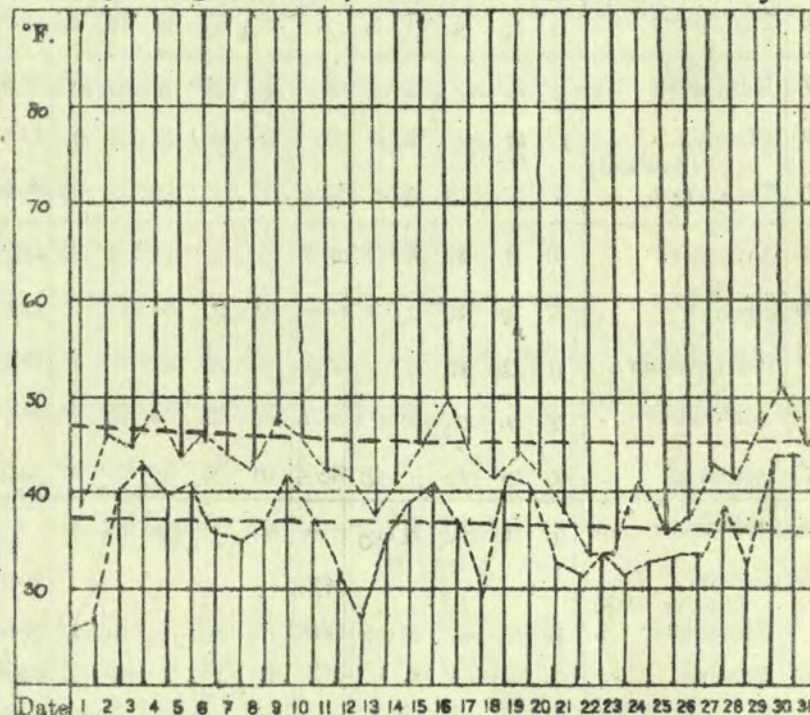
RAINFALL Total for Month. 28 mm.

Daily Sunshine at KEW Observatory



SUNSHINE Total for Month. 37 hrs.

Daily Range of Temperature at KEW Observatory.



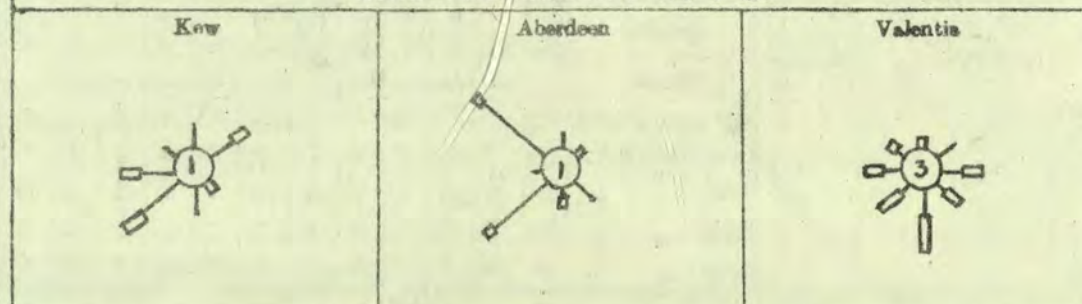
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1020.8	mb. +7.1	°F. 39.5	°F. -1.3
Aberdeen	1016.0	+3.1	39.0	-1.1
Valentia	1020.5	+3.8	46.2	+0.1

* Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 19 h. only corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Kew ...	7,204 *
Aberdeen ...	6,415
Lerwick ...	13,791
Valentia ...	

* Defective for 30 hours.

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	STATIONS.	↑ TEMPERATURE.												LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.																						
		Number of daily readings within fixed limits.						Extremes—Warmest and Coldest.						Number of observations within fixed limits.						Number of observations within fixed limits.																						
		Maximum.					Average Maximum.	Minimum.					Average Minimum.	Days.			Nights.			Number of Ground Frosts.	7 h.			13 h.			18 h.			7 h.			13 h.									
		32° or below.	33° - 41°	42° - 50°	51° - 59°	60° - 68°		23° or below	24° - 32°	33° - 41°	42° - 50°	51° - 59°		Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date.		Lowest Min.	Date.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	
1	London (Kew Obsy).	0	9	21	1	0	44.8	0	6	21	4	0	38.0	51	30	34	23	44	31	26	1	16	2	27	0	1	26	0	1	23	0	0	2	2	3	1	0	0	4	2	1	
	Croydon	0	11	19	1	0	44.4	1	9	18	3	0	37.5	52	4	33	23	44	30	23	1	12	0	26	0	3	25	0	3	10	12	0	0	1	3	6	4	0	0	4	4	2
	Calshot** (Southampton)	0	6	21	4	0	46.2	0	8	17	6	0	38.9	53	4	33	22	45	30	23	18	12	1	22	3	4	18	2	3	18	5	0	0	4	0	7	0	0	1	1	13	
	Lympe	2	11	17	1	0	43.4	0	10	18	3	0	36.3	52	4	32	23	45	31	25	1	20	14	15	0	11	17	0	7	19	0	0	2	3	1	6	0	0	2	1	14	
2	Shoeburyness	0	11	17	3	0	44.7	0	7	21	3	0	36.1	51	30	35	23	44	30	25	13	16	4	25	0	1	23	2	4	15	1	2	1	2	5	8	0	0	3	5	5	
	Gorleston	0	12	19	0	0	44.1	0	5	24	2	0	37.6	50	30	36	23	45	30	29	13	5	5	25	0	2	27	0	2	26	0	0	0	1	2	1	0	0	0	3	6	
	Cranwell	0	13	16	2	0	42.7	0	6	24	1	0	35.2	52	16	34	22	44	30	25	13	9	8	14	0	6	20	0	7	14	1	1	2	2	3	3	0	0	1	6	8	
3	Birmingham (Edgbaston)	1	14	14	2	0	42.6	0	6	22	3	0	36.3	53	16	31	22	43	30	25	13	10	6	19	0	7	18	0	10	13	0	0	0	10	8	2	0	1	4	4	3	
4	Ross-on-Wye	1	6	21	3	0	44.7	0	7	19	5	0	37.3	55	16	32	22	49	16	24	18	13	2	26	0	2	26	0	3	24	0	0	0	2	3	12	0	0	1	2	17	
5	The Lizard	0	5	15	11	0	*	0	2	14	15	0	*	53	36	23	50	16	30	24	*	*	0	30	0	1	30	0	2	23	0	0	0	0	1	22	0	0	0	1	29	
7	Holyhead	0	4	21	6	0	46.9	0	0	19	12	0	42.5	53	16	37	22	50	16	33	23	3	5	23	0	4	23	1	4	20	1	0	0	0	0	18	0	0	0	0	21	
8	Chester (Sealand)	1	10	15	5	0	45.2	0	7	20	4	0	37.1	53	18	32	13	49	16	28	22	16	1	25	0	1	26	0	0	23	3	0	0	2	1	7	0	0	2	2	11	
10	Tynemouth	0	7	22	2	0	44.4	0	1	25	5	0	38.4	56	16	38	14	45	30	32	13	2	0	29	0	1	27	0	2	27	0	0	0	2	3	14	0	0	1	3	10	
11	Leuchars	0	11	18	2	0	43.5	0	6	22	3	0	35.6	55	16	34	31	48	16	27	13	13	0	27	2	2	26	2	3	23	0	0	0	0	1	19	0	0	0	1	19	
12	Renfrew	2	9	18	2	0	43.6	0	10	16	4	1	35.8	55	16	32	19	52	16	24	13	16	2	26	0	5	23	1	3	22	0	0	0	3	2	8	0	0	2	2	17	
	Eskdalemuir	1	20	10	0	0	40.7	0	14	13	4	0	33.5	49	16	32	31	46	16	24	13	14	11	16	0	13	16	0	12	14	1	0	0	0	1	20	0	0	0	1	13	
13	Stornoway	0	9	21	1	0	44.9	0	3	20	8	0	38.5	51	1	35	31	48	1	28	31	*	0	30	0	3	27	1	1	23	0	0	0	0	0	27	0	0	0	0	24	
15	Aberdeen	0	11	19	1	0	43.4	0	3	27	1	0	36.9	52	16	32	31	46	16	27	31	13	2	25	0	3	25	1	3	22	0	0	0	1	3	12	0	0	1	0	11	
18	Aldergrove	0	13	16	2	0	*	0	7	19	4	1	*	54	16	36	28	51	16	24	20	11	4	24	0	11	17	0	4	20	1	1	1	0	1	21	0	0	2	1	15	
19	Dublin (Phoenix Park)						47.1						36.0										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Birr Castle	0	12	11	8	0	45.8	1	10	15	4	1	37.8	55	16	36	24	53	16	23	20	12	0	26	0	0	23	0	0	26	0	0	0	2	0	23	0	0	1	0	30	
20	Valentia (Cahiriveen)	0	2	14	15	0	49.1	0	3	7	19	2	43.0	55	16	40	24	54	16	27	25	5	6	22	0	7	23	0	6	24	0	0	0	1	0	23	0	0	0	0	26	

UPPER AIR TEMPERATURE.

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

Pressure.	Normal Height.	MILDENHALL.			ALDERGROVE.			STATION		LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD.						RENFREW.						STATION.	
		Normal Temp.	Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.	Height.	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.
mb.	Feet.	°F.	°F.		°F.																														
950	1730	37.6	26.9	62	39.2	62			500 above ground.	45	7	13	16	6	2	31	13	11	4	3	0	36	11	19	5	0	0	41	10	29	2	0	0	500 above ground.	
850	4640	31.1	23.8	62	32.3	62			1000 above M.S.L.	33	5	14	7	4	3	20	11	4	2	2	1	21	7	11	3	0	0	28	2	20	6	0	0	1000 above M.S.L.	
750	7870	22.7	22.6	62	24.7	62			2000 " "	11	4	5	2	0	0	6	1	3	2	0	0	9	3	2	4	0	0	11	4	5	2	0	0	2000 " "	
650	11430	11.3	11.8	62	13.9	62			3000 " "	6	2	2	2	0	0	3	2	1	0	0	0	5	1	2	2	0	0	3	1	2	0	0	0	3000 " "	
550	15620	-3.2	-1.4	62	0.3	62			4000 " "	4	0	3	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	4000 " "	

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

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY

December 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.	First year of record.	Highest.	Year.	Lowest.	Year.
		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.	First year of record.	Highest.	Year.	Lowest.	Year.				
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	12 14 5 0 0	5.3	6	1637	+168	37	0	1880	72	1886	0	1830	19 5 5 2 0 0	7	29	657	+51	28	-30	1856	162	1914	6	1926	0	2		
		12 14 5 0 0	5.5	6	1628	+103	38	0	1922	58	1923	19	1934	16 9 4 2 0 0	7	29	676	-3	34	-35	1921	174	1923	8	1926	0	2		
		9 13 6 3 0	7.1	12	1915	+169	64	+6	1881	86	1886	21	1830	17 4 4 6 0 0	12	3	737	+91	53	-15	1871	251	1914	10	1926	1	1		
		13 9 8 1 0	6.7	6	1796	+31	57	+3	1921	85	1926	19	1934	11 3 6 5 0 0	11	14	670	-54	61	-21	1920	181	1923	14	1932	0	2		
2	Shoeburyness ... Gorleston ... Cranwell ...	10 15 6 0 0	5.9	17	1630	-26	43	-6	1919	77	1926	20	1834	16 7 7 1 0 0	5	14	548	+45	32	-15	1920	94	1937	5	1932	0	4		
		9 12 4 0 0 (6 days not available)	5.6	17	*	*	37	-4	1908	67	1936	20	1934	10 7 11 3 0 0	9	30	599	-23	63	+1	1871	151	1914	12	1932	0	2		
		13 13 5 0 0	5.7	17	1575	+37	46	-1	1921	62	1923	30	1934	12 8 8 3 0 0	9	14	577	-13	46	-10	1917	105	1938	9	1933	0	1		
3	Birmingham (Edgbaston) Ross-on-Wye ...	15 12 4 0 0	4.1	28	1429	+125	29	-6	1887	30	1891	5	1830	12 9 7 3 0 0	9	14	835	+161	53	-15	1893	155	1914	11	1926	0	1		
4		8 17 6 0 0	6.0	19	1575	+30	48	0	1915	73	1923	30	1915	19 3 8 1 0 0	13	14	735	+18	33	-43	1859	196	1923	11	1926	0	0		
5	Falmouth (Observatory)	14 12 5 0 0	5.1	27	1821	+111	31	-22	1881	82	1886	19	1830	11 3 5 10 1 1	26	13	1062	-45	144	-15	1871	280	1915	21	1926	1	0		
7	Holyhead ...	14 11 6 0 0	5.8	21	1589	+39	41	0	1914	71	1916	15	1931	10 6 10 5 0 0	10	8	899	+12	72	-34	1871	241	1934	21	1926	0	1		
8	Chester (Sealand)	15 10 6 0 0	5.5	17	1510	+134	38	-3	1928	76	1923	23	1927	12 4 12 3 0 0	7	10	793	+155	54	-9	1922	114	1923	13	1933	0	2		
10	Tynemouth ...	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	1935	* * * * *	* * * * *	* * * * *	* * * * *	11 7 11 1 1 0	20	30	725	+104	69	+14	1915	136	1937	15	1932	1	1		
11	Leuchars ...	16 9 5 1 0	6.3	2	1366	-104	37	-7	1922	66	1923	16	1934	18 5 5 3 0 0	11	14	715	+62	35	-28	1922	55	1923	8	1926	0	3		
12	Renfrew ... Eskdalemuir ...	21 4 6 0 0	5.0	2	1193	+2	29	+2	1921	46	1933	9	1933	13 0 6 11 0 1	29	5	950	+11	131	+18	1921	230	1923	15	1933	1	3		
		13 12 6 0 0	5.7	12	1295	+34	39	+7	1910	60	1935	3	1912	10 2 9 6 2 2	33	6	1388	-41	187	+9	1910	339	1932	37	1933	0	8		
13a	Stornoway	15 12 4 0 0	5.3	22	1670	-145	34	+12	1881	54	1935	6	1884	7 6 8 9 1 0	13	5	1021	-245	119	-40	1870	378	1898	30	1927	1	7		
15	Aberdeen ...	17 10 4 0 0	5.6	2	1306	-23	27	-10	1881	68	1891	7	1903	14 3 9 5 0 0	14	14	889	+141	73	-9	1871	227	1876	20	1905	0	5		
18	Aldergrove ...	17 11 3 0 0	4.7	17	1201	*	28	*	1927	70	1925	21	1931	9 4 10 8 0 0	15	29	943	+105	101	+14	1926	145	1929	28	1926	0	4		
19	Dublin (Phoenix Park) Birr Castle ...								1881	79	1897	20	1910								1865	166	1914	19	1885				
		13 15 3 0 0	5.1	21	1303	-3	27	-16	1881	68	1881	22	1939	12 3 10 5 1 0	17	13	835	+8	89	+5	1862	165	1923	24	1865	0	1		
20	Valentia (Cahiriveen)	17 9 4 1 0	6.2	26	1615	+247	37	-2	1880	76	1928	14	1931	7 5 6 12 1 0	25	13	1330	-84	151	-18	1866	345	1934	37	1926	1	0		

MINIMUM SURFACE HUMIDITY.

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

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	8	9	10	3	1	0	0	0
Ross-on-Wye	0	0	6	17	7	1	0	0	0	0
Falmouth (Obsy.)	2	2	12	13	2	0	0	0	0	0
Renfrew	0	2	12	12	5	0	0	0	0	0
Eskdalemuir	0	1	10	10	8	2	0	0	0	0
Aberdeen	0	1	7	11	10	2	0	0	0	0
Valentia	4	6	11	7	3	0	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	1	0	0	0	0	0	0	0 Dry.
Ross-on-Wye	0	30	0	1	0	0	0	0	0	0	1 Wet.
Renfrew	0	26	2	3	0	0	0	0	0	0	2 Flooded.
Eskdalemuir	2	20	1	0	6	0	0	2	0	0	3 Frozen hard and dry.
Aberdeen	0	27	0	1	2	1	0	0	0	0	4 Partly covered with snow or hail.
Valentia	2	27	0	2	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.

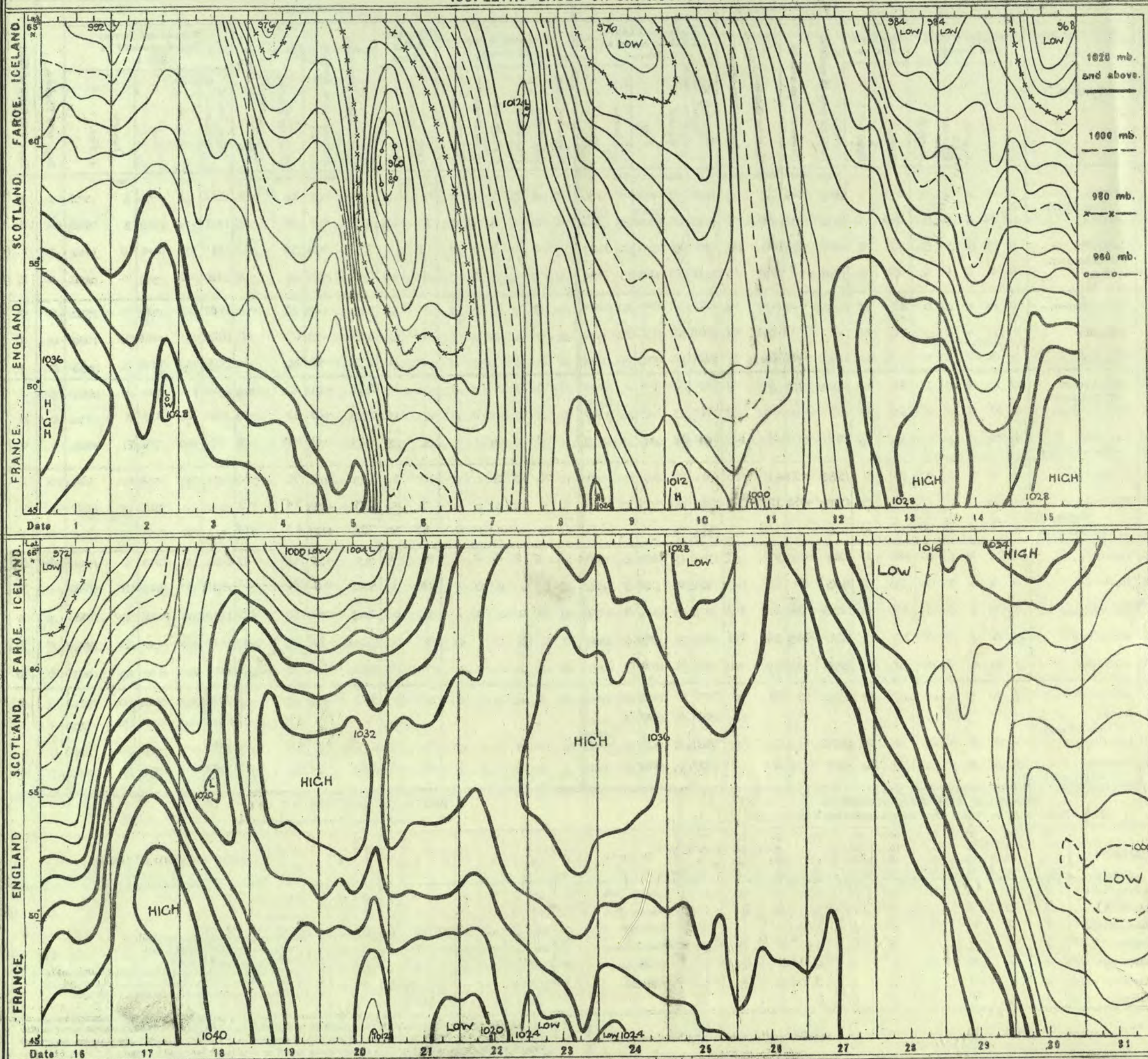
**The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

†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

December 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 Lat. 66° N., Long. 18° W., in the north; at Lat. 44½° N., Long. 4° E., in the south.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

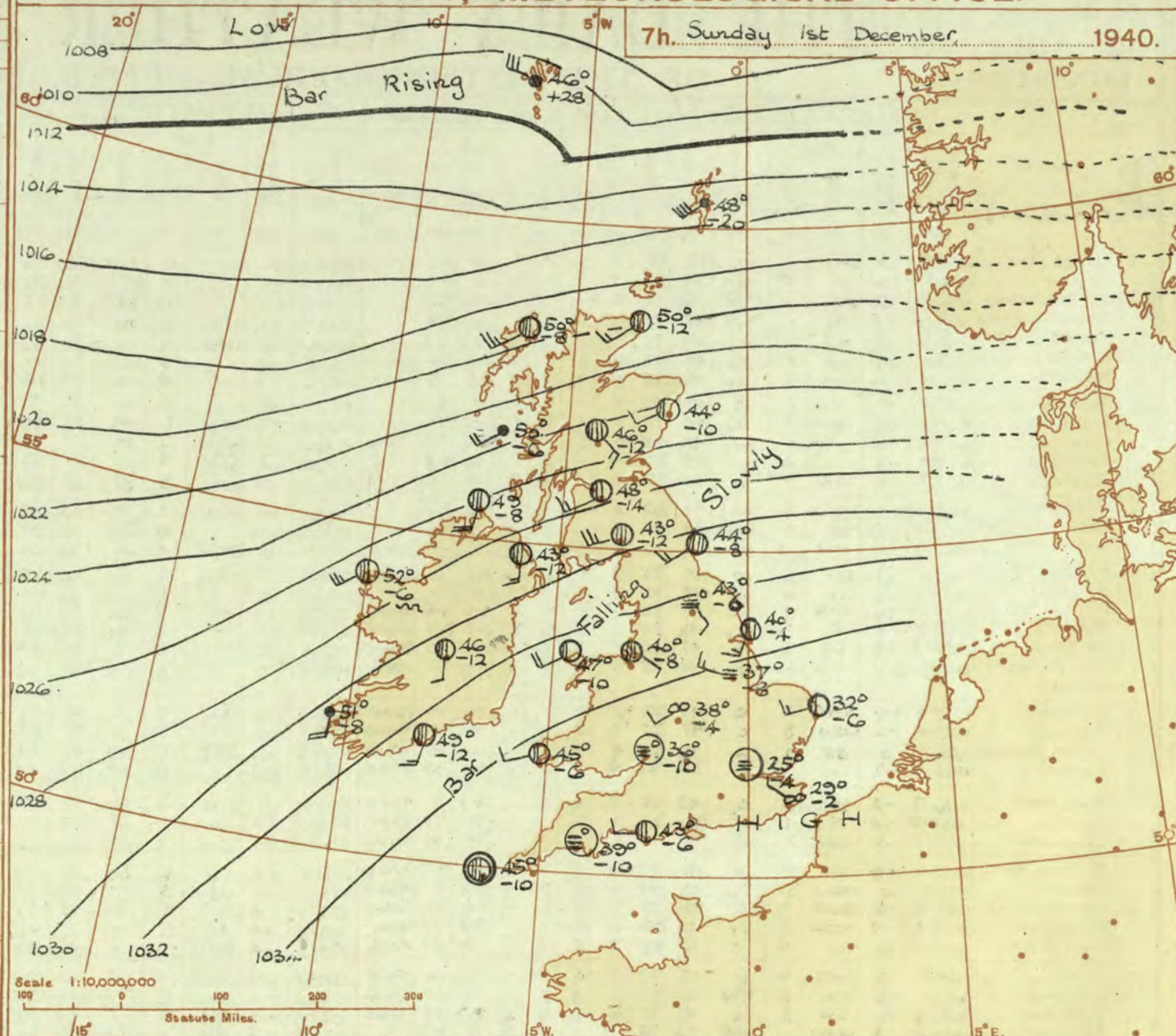
 BRITISH SECTION
 Sunday 1st December 1940.
 No. 28864...

OBSERVATIONS at 13h. G.M.T. 30th November														OBSERVATIONS at 18h. G.M.T. 30th 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.		Direc.			Force 0-12 (18)	Form.					Amount.		Height of Base (feet) (28)	7h.-13h. ...30th... (37)			13h.-18h. ...30th... (38)	18h. to 1h.-7h. ...1st... (39)	1h.-7h. ...1st... (40)									
											Low.	Med.										High	Low								Total	Low	Total						
1	London (Kew)...	1037.8	-4	SW	2	f	39	85	3	-	7	4	0	2.3	-	1037.7	0	-	0	bf	33	52	2	-	-	-	0	0	-	-	*	b f x b e f	b c f b f	b f e b f f x	b c c f f x				
	Croydon ...	1038.1	+2	-	0	o f	39	85	2	-	-	2	0	7.8	-	1037.3	+4	-	0	bf	31	57	1	-	-	-	0	0	-	-	*	b f x b e f	b c f b f	b f x	b f x b e				
	S. Farnborough	1038.6	-2	NW	1	m/f	40	85	4	-	9	0	4.6	-	1038.3	+2	-	0	bf	31	52	3	-	-	-	0	1	-	-	*	b f e m	c m o b c f b f	b f x f f o	*					
	Boscombe Down	1038.0	-4	N	1	w/f	38	85	5	-	-	1	0	4.6	-	1037.5	-2	-	0	m	35	52	4	-	-	0	2.3	-	-	-	-	*	b e f e f	b c m o b m	b f	c f e m			
	Calshot (Soton.)	1037.7	-2	N/E	1	bef	41	75	3	-	-	2	0	4.6	-	1037.4	0	NW	2	m	35	52	4	-	-	0	1	-	-	-	-	0	b e f x	b c f e m b o r n	b f x	b f f e f x			
	Lympne	1037.0	+2	NE	1	z	42	85	5	-	8	-	6	2.3	9.4	1036.8	0	0	b c f	34	57	3	-	-	0	2.3	-	-	-	-	*	c b c m o	b c m f f x	b f f m m o x					
	Manston	1037.4	-2	WNW	2	z	43	85	5	-	3	4	2.3	9.4	1037.7	+2	-	0	z	34	52	5	-	-	0	1	-	-	-	-	*	c r a m e m o	b c b c m	b f x					
2	Shoeburyness ...	1037.7	0	HW	1	c	43	75	8	-	-	6	0	7.8	-	1037.4	0	-	0	m	35	85	4	-	-	0	1	-	-	-	-	*	b c m x b c m	b e m o c b m	b m b f f x	F x			
	Felixstowe ...	1037.5	+2	NNW	1	z	44	75	5	-	3	3	0	4.6	-	1037.3	+2	NNW	1	m	36	85	4	-	-	0	2.3	-	-	-	-	-	-	b i f m	b m o b c m b m	b m f f x	b f x m x		
	Gorleston ...	1037.4	+6	W	1	m	42	85	4	-	5	-	1	2.3	4.6	1037.2	0	WNW	2	m	37	85	4	-	-	2.3	2.3	800	1	-	-	-	-	-	b e m	b e c b c m	b c b m x	b c m x	
	Mildenhall ...	1037.5	-2	-	0	m	39	85	4	-	3	-	0	4.6	-	1037.3	-2	SSW	2	bf	35	52	3	-	-	1	0	15	-	-	-	-	-	b f f x b e m	b e m b f x	b f x	b f x o f x e f x		
	Cranwell	1037.1	-6	WSW	3	m	39	85	4	-	3	2	0	7.8	-	1036.7	0	W	3	bf	36	85	3	-	-	0	0	-	-	-	-	-	-	b f b c m	b c m o b f	b o f f b c f	b e c f f		
3	Birmingham	1037.3	+0	WSW	2	bc	41	65	6	-	-	1	0	2.3	-	1036.8	0	WSW	2	m	35	85	4	-	-	10	0	2500	1	-	-	-	-	-	f b	b c c	b c c		
4	Upper Heyford	1037.7	-6	SE	1	bef	39	75	3	-	3	1	0	2.3	-	1037.5	-2	-	0	m	32	92	4	-	-	0	4.6	-	-	-	-	-	-	f b e f	b c f m f b	b e f f	b e f f		
	Ross-on-Wye ...	1037.3	-4	NW	1	f	34	92	4	-	9	-	9	9	2500	1037.1	0	WNW	1	of	35	52	3	-	-	10	0	1500	1	-	-	-	-	-	b e m e f b f	b e m e f b f	b e m e f b f	b e f f	
5	Hartland Point	1037.1	-4	SSE	3	c	44	85	7	-	6	-	4.6	9	2500	1036.5	0	WSW	2	c	45	85	8	-	-	7.8	3.4	1500	0	2	-	-	-	-	c	c i d o	c r	c r	
	Bristol ...	1037.9	-6	-	0	f	39	85	3	-	-	-	0	0	1038.0	0	-	0	z	36	75	5	-	-	3.4	3.4	7200	1	-	-	-	-	-	-	b c b e f	b f c m o	c m o f	o f f w	
	Portland Bill ...	1037.5	+6	ENE	2	bc	43	85	8	-	5	-	4.6	4.6	4000	1037.3	+4	NE	2	bc	39	52	8	-	-	2.3	2.3	4000	0	2	-	-	-	-	b c	b c c	b e c	b e c	
	Plymouth ...	1037.9	-4	E	1	z	42	85	6	-	3	8	2.3	7.8	6000	1037.6	+4	-	0	m	38	75	4	-	-	4.6	4.6	6000	0	1	-	-	-	-	c m o b e m o	b c m o z a l g	b c m b m f g	b c m b m f g	
	The Lizard ...	1036.9	-4	S/E	2	c	47	65	8	-	9	-	9	10	3000	1036.6	0	-	0	c	45	65	8	-	-	3	10	2000	1	2	-	-	-	-	c	c	c	c	
	Scilly (St. Mary's)	1036.9	-6	-	0	c	48	65	8	-	7	-	4.6	9.4	1800	1036.8	0	-	0	c	45	75	8	-	-	3.4	3.4	2400	1	2	-	-	-	-	c	c	c	c	
6	Pembroke ...	1037.4	+4	ENE	2	c	45	92	7	-	8	-	10	10	1500	1036.1	-4	SW	2	c	46	65	8	-	-	3.4	3.4	3500	1	2	-	-	-	-	p r o c	c	c	b c	
7	Holyhead ...	1035.6	-2	WSW	3	c	48	75	9	-	5	-	9.4	9.4	4000	1035.4	-6	SW	3	c	47	85	8	-	-	9	10	2600	1	-	-	-	-	-	-	b c m o c	c	c	
	Chester (Sealand)	1036.7	0	SE	2	m	36	85	4	-	5	-	10	10	4800	1036.3	+2	SEE	1	m	39	85	4	-	-	10	10	4500	1	-	-	-	-	-	-	c m o m	c m	c m	
8	Manchester ...	1036.8	-2	-	0	f	35	85	4	-	5	-	10	10	3900	1036.6	+2	-	0	of	37	85	2	-	-	10	10	3000	1	-	-	-	-	-	-	c f f e f	c f f	c f f	
10	Spurn Head ...	1036.3	-2	SSW	3	c	43	75	5	-	4	3	-	2.3	9	4000	1036.5	0	SW	2	of	40	75	3	-	-	10	10	2500	0	2	-	-	-	-	c m	c m	b c m	*
	Catterick ...	1035.8	-10	S	1	cf	36	92	3	-	5	-	9.4	9.4	5200	1035.7	+4	SW	1	of	37	52	3	-	-	9	9	4500	0	2	-	-	-	-	-	c f f e f	c f f e f	b c f i r c m o	b e m o c m
	Tynemouth ...	1034.5	-8	WSW	2	cf	42	85	3	-	5	-	9.4	9.4	3000	1034.2	+4	SW	2	of	43	75	3	-	-	3.4	3.4	3000	1	2	-	-	-	-	-	c f f	c f f	c f f	b e o
11	St. Abbs Head	1032.2	+4	SW	4	c	41	75	8	-	7	2	4.6	7.8	2500	1031.5	-4	W	4	bc	42	75	8	-	-	2.3	2.3	2500	0	2	-	-	-	-	-	c	c b c	b c y	c y
	Leuchars ...	1031.9	0	WSW	3	z	43	85	6	-	5	7	-	7.8	9	4000	1031.3	0	WSW	3	z	45	85	5	-	-	3.4	3.4	2100	1	-	-	-	-	-	-	c b m o x e m o	c b c m	c b m o
12	Renfrew (Abbots L.)	1032.9	-6	WSW	3	c	46	85	7	-	5	3	-	4.6	9	3900	1032.1	-4	WSW	4	id.	45	97	5	-	-	9	10	1800	1	-	-	-	-	-	-	c b c c	c m y i d o	c m y i d o
	Eskdalemuir ...	1034.1	-4	WSW	3	pr	40	85	6	-	5	1	-	7.8	9	800	1033.8	+4	SW	2	m	37	97	4	-	-	0	0	-	-	-	-	-	-	-	F e e p r o	p r o b c b m	b l o c c o d d	a d d c
	Point of Ayre ...	1034.9	+2	W	4	c	47	85	8	-	5	-	9.4	9.4	4000	1034.5	+4	SWW	2	c	44	92	8	-	-	4.6	4.6	2500	1	2	-	-	-	-	-	c	c	b c	b c
13A	Tiree ...	1029.3	-2	SW	5	ir	47	97	7	-	5	-	10	10	1500	1028.1	-2	SW	5	c	49	92	7	-	-	10	10	1500	0	4	-	-	-	-	-	c o	c o	a i d r	a i d
13B	Stornoway ...	1026.1	-6	SSW	5	pr	50	92	7	-	8	7	-	7.8	9.4	1500	1025.0	-4	SSW	5	c	49	92	6	-	-	7.8	7.8	1000	1	3	-	-	-	-	-	c p r o	c r r	c
15	Dalwhinnie ...	1031.9	-6	SW	2	c	41	85	8	-	4	2	7.8	9.4	1500	1029.5	-4	SW	2	c	42	92	7	-	-	3	10	1500	0	-	-	-	-	-	-	b e c	c o	c o	
	Aberdeen ...	1030.0	-2	WNW	1	bef	43	75	6	-	6	0	2.3	-	1029.8	-2	WSW	1	bf	48	92	3	-	-	6	10	2500	1	1	-	-	-	-	-	f f i f b	i f b f	c o	c o	
	Wick ...	1027.5	-4	SW	3	c	46	85	8	-	5	2	-	1	10	4000	1026.4	-8	SW	3	bc	46	92	7	-	-	2.3	4.6	2500	1	2	-	-	-	-	-	c	c b c	c b c
16	Lerwick...	1023.1	-14	SW	8	c	49	85	7	-	5	7	-	7.8	9.4	800	1021.6	-4	SW	8	c	48	92	6	-	-	4.6	10	800	1	-	-	-	-	-	-	c i r r o	c	c
17	Blacksod Point...	1030.4	-4	S	4	d.o.d.	50	97	7	-	6																												

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 30th November				18h. G.M.T.				01h. G.M.T. 1st December			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h
109	57	03865	20427				52	02755	20227	52	21747
115				52	81735	53788	52	14744	53685	52	81624
203							6-	81848	49688		
206	57	02963	22427	57	02964	22225	5-	02856	26156	52	02955
210	14	02952	20327	54	01951	20313	51	02965	18327	5-	02967
220	62	53726	22558	54	25738	21584				6-	58528
230	5-	21848	18158	5-	52648	18158	5-	56538	20258	5-	51648
245	70	02861	24328	50	00772	20522	57	05647	20328	5-	05647
260	57	02864	22326	50	01764	18314	5-	02746	53416	57	02745
277	5-	02977	19327	5-	52757	18357	5-	02767	19457	57	02747
279	--	08448	20328	5-	05664	20414	--	05647	20427	--	02753
285	8-	02537	26427	8-	02537	28527					
288	5-	47367	20147	52	57357	20158	00	45230	20243	5-	05558
273	16	01753	15315								
301	5-	45368	12148	5-	47268	14248	5-	45257	14167	53	05554
321	52	43364	24148	5-	45277	00047	5-	45368	19148	5-	62457
299	5-	08448	23228	5-	08448	23228	5-	45248	00048	5-	08448
292	5-	45268	00048	5-	45258	00048	00	47230	16240	5-	43358
310	--	04586	26316								
316	53	45374	20145	5-	45368	18145	5-	45368	18148	5-	67258
333	5-	02767	04227	5-	63667	02087	5-	62647	00067	57	02855
334		51655	00028								
340	5-	08478	18128	5-	47358	18128	5-	08468	00028	50	05564
136	03	05590	24244	00	08420	19210	50	08474	20244		
336				51	03754	04428					
350	03	08490	12246								
368											
379	00	05690	18113	5-	08467	20127	5-	05558	22128	5-	05548
390	03	05590	00045	00	47320	00040	00	45230	00040	50	45276
382	--	46009	00049	--	46009	00049	--	46109	32149		
428	56	01763	04114							50	01664
430	00	01690	04114	07	08420	00013	00	45230	30149	03	45330
409	53	05664	00028	53	05678	12128	5-	05658	00028	5-	05648

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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 1st December
1 S.E. England	Light variable wind becoming light, southwesterly. Fair, local fog;
2 E. England ...	becoming less cold.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate southwest wind. Mainly fair, becoming mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate southwest wind. Partly cloudy, occasional slight rain locally;
9 N. Midlands ...	becoming mild.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate or fresh southwest wind, strong at times on coast. Cloudy, occasional rain or drizzle; mild.
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	As 8-11
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 extending from southwest of the British Isles to Germany is receding slowly east or southeast, while shallow troughs of low pressure are moving westwards across northern districts. Widespread fog in South and East England and Midlands will disperse slowly during the day and will be succeeded by mainly fair weather, but there will be further local fog in extreme South England tonight. Elsewhere, weather will be mainly cloudy with occasional rain more especially in Scotland.

FURTHER OUTLOOK.

Mainly fair in the Southeast, unsettled in the North and West.

Gale warning in operation in districts 13(b) and 16.

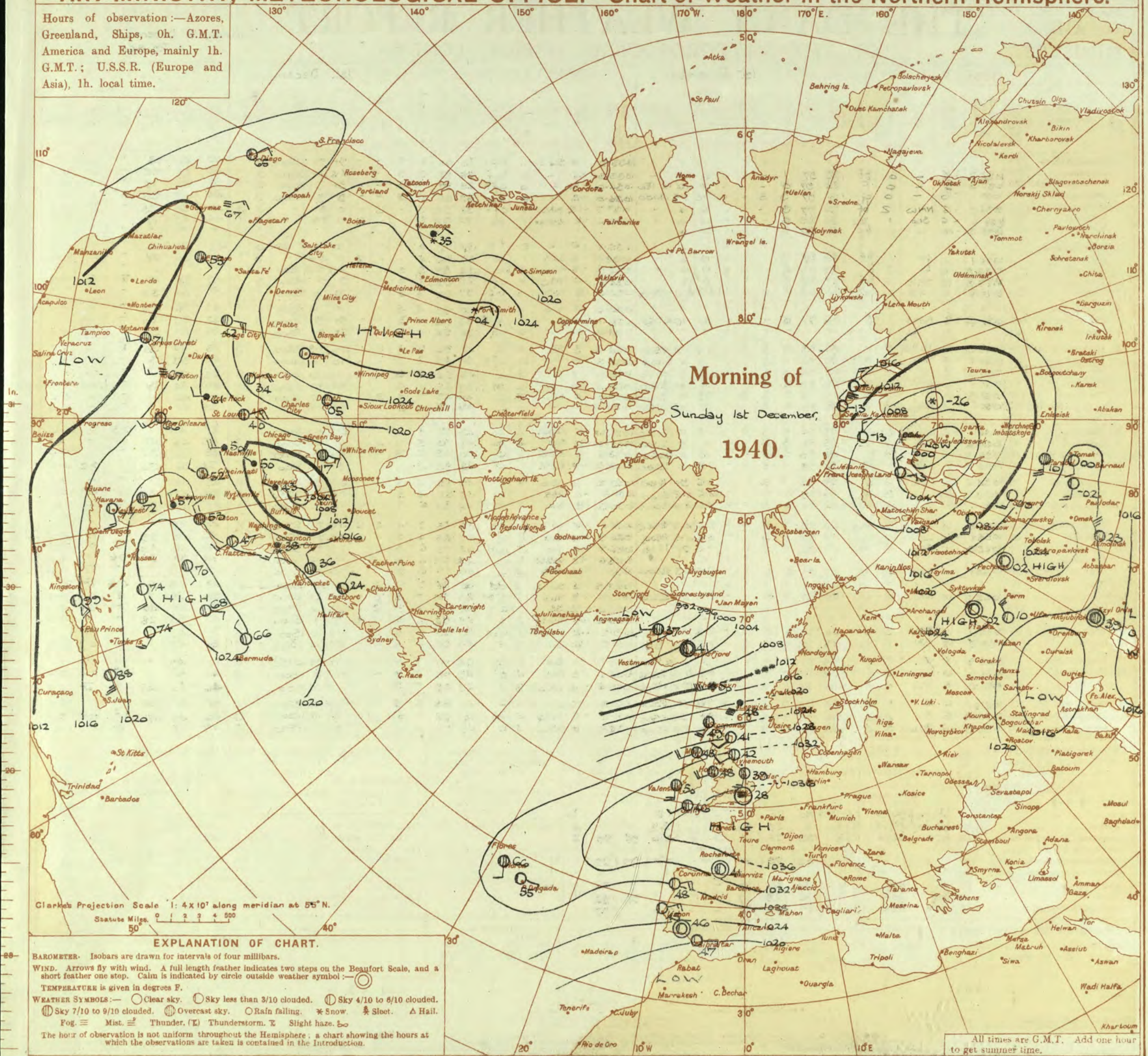
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornhill 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.

BRITISH SECTION
Sunday 1st December 1940.
No 25,824

OBSERVATIONS at 1 hr. G.M.T. 1st December															OBSERVATIONS at 7 hr. G.M.T. 1st December															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. (9)				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud. (23)				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE. (31)			RAINFALL. (34)		SUN-SHINE Hrs. (36)					
					Direc. (3)	Force. (4)					Form. (10)	Amount. (11)	Height of Base. (feet) (14)	Direc. (17)			Force (18)	Form. (24)					Amount (25)	Height of Base (feet) (28)	Max. Day 7h-13h °F. (31)	Min. Night 13h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-13h mm. (34)	Night 13h-7h mm. (35)								
																																Low. (9)	Med. (10)		High (11)	Low (23)	Med. (24)	High (25)	
1	London (Kew) ... 18	217	1036.7	-6	0	0	bF	28	97	1	0	0	0	0	1035.9	-6	SW	1	cf	31	92	2	5	0	9	2500	3	*	40	26	18	-	0.1	1.0					
	Croydon ... 217	1037.4	-6	0	0	0	bF	28	97	1	0	0	0	0	1035.8	-4	SW	1	bF	25	97	3	5	0	4	2500	3	*	41	23	22	-	-	2.2					
	S. Farnborough ... 226	1037.4	-6	0	0	0	bF	24	97	0	0	0	0	0	1036.0	-2	SW	0	cf	28	97	2	5	0	9	2500	3	*	42	24	10	-	-	2.6					
	Boscombe Down ... 417	1037.1	-10	0	0	0	cf	31	97	3	5	0	7.8	7.8	1036.0	-2	SW	0	cf	33	85	6	5	0	9	2500	3	*	44	25	23	Tr	-	4.4					
	Calshot (Stmntn.) ... 8	1036.9	-6	NNW	2	0	bF	36	97	3	0	0	0	0	1035.7	-12	NNW	1	cf	34	92	3	3	0	9	2500	3	*	43	31	25	-	Tr	3.5					
	Lympne ... 346	1036.4	-6	SW	1	0	bF	33	85	0	0	0	0	0	1035.3	-2	SW	1	cf	29	92	6	0	8	0	7.8	1	*	44	25	17	-	-	0.7					
	Manston ... 154	1036.3	-10	0	0	0	bF	31	92	2	0	0	0	0	1035.3	-2	SW	1	cf	29	92	6	0	8	0	7.8	1	*	44	25	17	-	-	0.7					
2	Shoeburyness ... 11	1036.1	-10	W	1	0	bF	35	97	3	0	0	0	0	1035.7	-6	W	1	m	32	92	4	0	2	0	4.6	3	1	45	30	24	-	-	4.8					
	Felixstowe ... 15	1035.5	-10	W	3	0	bF	33	85	5	0	0	0	0	1034.9	-6	W	3	bc	32	85	5	0	2	0	4.6	3	1	45	30	24	-	-	4.8					
	Gorleston ... 5	1035.5	-10	W	3	0	bF	33	85	5	0	0	0	0	1034.9	-6	W	3	bc	32	85	5	0	2	0	4.6	3	1	45	30	24	-	-	4.8					
	Mildenhall ... 19	1035.9	-12	SSW	2	0	bF	27	92	2	0	0	0	0	1034.6	-8	SSW	2	cf	29	92	3	5	0	9	2500	3	*	41	30	32	-	-	1.9					
	Cranwell ... 240	1035.5	-6	W	3	0	bF	37	85	3	5	0	4.6	4.6	1034.0	-8	W	3	cf	37	92	3	5	0	9	2500	1	*	41	30	32	-	-	1.9					
3	Birmingham ... 535	1036.5	-6	SSW	1	0	F	32	97	0	0	0	10	10	1034.0	-4	SSW	2	m	38	92	4	5	0	10	2500	1	*	43	36	32	-	-	3.2					
	Upper Heyford ... 408	1036.5	-6	SSW	1	0	F	32	97	0	0	0	10	10	1035.1	-6	SSW	1	m/f	33	92	4	5	0	9	2500	3	*	42	30	20	-	-	1.3					
4	Ross-on-Wye ... 223	1036.5	-6	SSW	1	0	F	32	97	0	0	0	10	10	1034.4	-10	SSW	0	m	36	92	4	5	0	9	2500	1	*	36	35	32	-	-	1.3					
5	Hartland Point ... 299	1035.9	-8	W	3	0	r	44	85	8	5	2	4.6	7.8	1034.4	-8	SE	2	c	40	92	8	6	0	4.6	7.8	1	3	45	40	36	Tr	1	0.0					
	Bristol ... 209	1036.6	-10	SW	1	0	f	36	85	3	5	0	10	10	1035.1	-10	SW	0	cf	36	85	3	5	0	10	6000	1	*	42	33	31	-	-	4.1					
	Portland Bill ... 32	1036.5	-6	NE	2	0	c	40	92	8	5	0	10	10	1035.0	-6	W	2	c	43	92	7	5	0	10	4000	1	2	43	37	-	-	-	1.9					
	Plymouth ... 82	1037.1	-4	ENE	1	0	m	38	85	4	5	0	10	10	1035.0	-10	W	0	m	39	85	4	5	0	9	2500	0	0	45	34	31	-	-	0.0					
	The Lizard ... 240	1036.8	0	E	2	0	c	45	75	7	5	2	7.8	10	1035.0	-10	SE	3	c	46	65	7	2	0	9	2500	1	2	47	44	-	-	-	0.0					
	Scilly (St. Mary's) ... 163	1036.1	-2	W	2	0	c	46	65	8	5	0	10	10	1034.3	-10	W	0	c	45	75	8	7	0	4.6	7.8	1	1	48	44	-	-	-	0.3					
	Guernsey ... 175	1036.1	-2	W	2	0	c	46	65	8	5	0	10	10	1034.3	-10	W	0	c	45	75	8	7	0	4.6	7.8	1	1	48	44	-	-	-	0.3					
6	Pembroke ... 142	1036.1	-2	W	3	0	c	46	65	8	5	2	7.8	10	1034.4	-6	W	2	bc	45	75	8	2	0	2.3	2.3	0	1	47	43	-	0.3	-	0.0					
7	Holyhead ... 26	1034.4	-6	SW	4	0	c	48	85	8	5	0	9	9	1032.4	-10	SW	4	bc	47	92	8	5	0	1	2.3	0	2	48	46	43	-	-	0.1					
	Chester (Sealand) ... 16	1035.2	-6	SW	1	0	c	39	85	9	5	0	10	10	1033.3	-10	SW	1	c	40	85	5	5	0	10	3400	1	*	45	38	32	-	-	0.0					
8	Manchester ... 70	1035.4	-6	SE	0	0	cf	36	92	2	5	0	7.8	10	1033.5	-10	SE	1	cf	38	92	3	5	0	9	2500	1	*	37	34	30	-	0.2	0.0					
10	Spurn Head ... 29	1034.6	-4	SSW	3	0	c	39	85	5	5	1	4.6	9	1033.2	-4	SSW	3	c	40	85	4	5	0	4.6	9	0	2	43	39	-	-	-	1.4					
	Catterick ... 175	1033.1	-10	W	3	0	bc	43	75	5	5	0	4.6	4.6	1031.6	-6	SSW	1	m	43	85	4	5	0	7.8	7.8	0	*	40	37	35	-	0.1	0.0					
	Tynemouth ... 108	1031.9	-6	SW	2	0	bc	42	75	6	2	0	4.6	4.6	1030.3	-8	SW	3	0	44	85	6	5	0	10	2200	1	1	45	40	35	-	-	*					
11	St. Abbs Head ... 280	1028.5	-14	W	3	0	bc	43	92	7	4	0	2.3	2.3	1036.1	-14	W	5	cq	45	85	7	4	0	4.6	7.8	0	2	44	39	-	-	-	*					
	Leuchars ... 36	1028.1	-22	W	4	0	bc	45	92	6	5	0	4.6	4.6	1024.9	-14	W	4	bc	47	85	6	5	0	7.8	7.8	1	*	45	42	39	-	Tr	0.0					
12	Renfrew (Abbots I.) ... 19	1029.2	-12	SW	4	0	bc	47	92	6	5	1	7.8	9	1026.7	-14	SW	3	c/d	48	97	6	5	7	7.8	9	1	*	46	45	42	Tr	0.1	0.0					
	Eskdalemuir ... 794	1029.2	-12	SW	4	0	bc	47	92	6	5	1	7.8	9	1026.7	-14	SW	3	c/d	48	97	6	5	7	7.8	9	1	*	46	45	42	Tr	0.1	0.0					
	Point of Ayre ... 30	1033.1	-4	W	3	0	bc	45	97	8	5	0	2.3	2.3	1036.1	-14	W	5	c	48	85	6	5	1	7.8	10	1	3	47	43	-	-	Tr	0.0					
13A	Tiree ... 22	1022.0	-12	SSW	4	0	c	49	85	7	5	0	9	9	1023.5	-6	SSW	4	dd	50	97	7	2	0	10	1500	1	0	49	48	-	0.5	Tr	0.1					
13B	Stornoway ... 80	1022.0	-12	SSW	4	0	c	49	85	7	5	0	9	9	1023.5	-6	SSW	4	dd	50	97	7	2	0	10	1500	1	0	49	48	-	0.5	Tr	0.1					
15	Dalwhinnie ... 1176	1022.0	-12	SSW	4	0	c	49	85	7	5	0	9	9	1023.5	-6	SSW	4	dd	50																			

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 2nd December 1940.
No. 25865

OBSERVATIONS at 13h. G.M.T. 1st December														OBSERVATIONS at 18h. G.M.T. 1st December														PAST 24 HOURS.					
DIRECTION.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Dir.	Force. 0-12 (4)					Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)	Dir.			Force 0-12 (18)	Form.					Amount 0-10 (26)	Height of Base (feet) (28)	7h.-13h. ... 1st... (37)	13h.-18h. ... 1st... (38)			18h. 1st to 2nd... (39)	1h.-7h. 2nd... (40)				
1	London (Kew)...	1034.4	-8	SW	2	0	37	85	3	5	-	-	10	10	4000	1032.0	-12	SW	1	bf+	35	85	3	-	-	-	1	*	cfp	cfp	bcbf	bcbf	
	Croydon ...	1034.0	-10	-	0	m	42	65	4	5	-	-	9+	9+	5000	1032.4	-14	SSW	1	bf+	34	85	3	5	-	4	1	*	cmf	c2bf	bfbmx	b2bmx	
	S. Farnborough	1034.6	-8	-	0	cf+	40	85	3	5	-	-	9+	9+	4000	1032.6	-4	-	0	3	36	85	6	5	-	3	1	*	cfm	cfm	bfbmx	b2bmx	
	Boscombe Down	1034.4	-10	-	0	z	36	85	5	5	-	-	9+	9+	4000																		
	Calshot (Soton.)																																
	Lympne	1033.8	-10	NW	1	z	38	97	5	-	-	2	0	9	-	1032.3	-12	NNW	1	3	32	97	5	-	-	0	1	\$1	cmx	cbe mg	bmg	bmg	
	Manston	1033.9	-8	WN	2	z	42	75	5	-	-	5	0	7.8	-	1032.2	-10	SW	2	3	33	85	4	5	-	2.3	1	*	bfb	bfb	bfb	bfb	
2	Shoeburyness ...	1034.1	-10	WSW	1	m	38	97	4	-	-	6	0	4.6	-	1031.6	-10	W	1	f	35	85	3	-	-	0	1	*	Fabcm	bfbmx	bfbmx	bfbmx	
	Felixstowe ...	1033.7	-14	W	3	m	39	65	4	-	-	2	0	4.6	-	1030.7	-20	WS	2	3	34	85	4	5	-	2.3	1	3	bcm	bcm	bcm	bcm	
	Gorleston ...	1033.6	-10	WSW	2	m	38	85	4	5	-	-	2.3	4.6	1000	1030.9	-12	SWW	2	3	37	85	4	5	7	2.3	1	*	cfm	bcm	bcm	bcm	
	Mildenhall ...	1033.1	-10	SW	2	m	37	85	4	3	-	-	0	9+	-	1030.3	-12	SWW	2	3	37	85	4	5	7	2.3	1	*	cfm	bcm	bcm	bcm	
	Cranwell ...	1032.8	-8	WN	4	z	41	85	5	5	-	-	10	10	2000	1030.4	-6	WSW	3	4	41	85	5	5	-	7.8	1	*	cm	bcm	bcm	bcm	
3	Birmingham	1032.3	-8	SW	2	z	44	75	5	-	-	2	0	4.6	-	1030.9	-10	WSW	2	3	39	85	5	-	7	1	0	1	*	cm	bcm	bcm	bcm
	Upper Heyford	1034.0	-10	SW	2	z	39	85	6	5	-	-	10	10	4000	1031.9	-14	W	0	3	33	97	3	-	-	0	1	*	cm	bcm	bcm	bcm	
4	Ross-on-Wye ...	1033.0	-14	SW	2	z	43	75	5	-	-	8	7.8	3	2500	1031.5	-8	SW	2	3	39	85	4	-	-	0	1	*	cm	bcm	bcm	bcm	
5	Hartland Point	1033.2	-12	3	2	c	45	85	8	5	6	-	4.6	9	2500	1031.5	-6	3	2	45	75	8	5	-	4.6	4.6	1	3	c	cfm	bcm	bcm	
	Bristol ...	1034.2	-10	-	0	z	44	85	5	5	-	-	9+	9+	4500	1032.2	-8	SE	2	40	92	6	5	3	-	4.6	9	1	2	cfm	cfm	bcm	bcm
	Portland Bill	1033.6	-10	SW	1	c	46	92	8	5	-	-	10	10	4000	1031.5	-10	W	1	44	92	7	5	-	4.6	4.6	1	2	c	cfm	bcm	bcm	
	Plymouth	1034.4	-10	E	1	m	42	85	4	5	-	-	10	10	4000	1032.5	-10	E	1	43	75	5	5	-	9+	9+	1	1	c	cfm	bcm	bcm	
	The Lizard	1034.2	-10	SW	3	c	45	65	8	5	2	-	9	10	2500	1032.0	-6	WNW	1	43	75	8	8	4	-	4.6	4.6	1	1	c	cfm	bcm	bcm
	Scilly (St. Mary's)	1033.9	-6	-	0	bc	53	55	8	4	3	2.3	2.3	2200																			
	Guernsey																																
6	Pembroke ...	1033.4	-14	SWW	2	c	48	75	8	8	2	-	7.8	9+	3500	1031.0	-6	SW	3	46	85	6	5	-	9+	9+	1	1	bcm	bcm	bcm	bcm	
7	Holyhead	1030.4	-16	SW	3	c	50	92	8	8	-	-	10	10	2500	1028.1	-12	SW	4	50	92	8	8	-	10	10	1	2	bcm	bcm	bcm	bcm	
	Chester (Sealand)	1031.0	-18	SW	3	c	51	65	7	5	-	6	2.3	7.8	4700	1028.7	-12	-	0	46	75	6	5	-	9	9	1	*	cm	bcm	bcm	bcm	
8	Manchester	1032.9	-4	SSE	2	m	44	85	4	5	3	-	4.6	9	5000	1029.2	-10	S	3	42	75	5	5	-	9+	9+	1	*	cfm	bcm	bcm	bcm	
10	Spurn Head	1031.0	-4	SSW	3	bc	45	85	6	-	1	1	0	4.6	-	1028.8	-4	SW	4	42	85	5	5	2	-	4.6	9	1	2	bcm	bcm	bcm	bcm
	Catterick	1029.8	-18	W	2	c	47	75	7	5	7	-	4.6	9	2500	1027.0	-10	WSW	3	47	85	6	5	-	10	10	1	1	cm	bcm	bcm	bcm	
	Tynemouth	1028.2	-20	SW	4	z	50	65	5	2	3	2	4.6	7.8	2800	1026.1	-10	SW	3	48	85	5	5	-	9+	9+	1	1	cm	bcm	bcm	bcm	
11	St. Abbs Head	1024.1	-18	W	5	c	48	85	8	4	5	8	4.6	9+	2500	1021.8	-10	W	3	48	97	8	5	2	-	7.8	10	1	2	c	cfm	bcm	bcm
	Leuchars	1023.6	-12	SW	4	z	49	85	6	4	7	-	7.8	9+	1500	1021.0	-18	WSW	4	49	85	6	5	-	9+	9+	1	*	c	cfm	bcm	bcm	
12	Renfrew (Abbots L.)	1025.2	-14	SW	4	c	49	92	6	5	7	-	9	10	1200	1022.1	-18	SW	4	49	97	6	5	-	10	10	1	*	c	cfm	bcm	bcm	
	Eskdalemuir	1026.8	-14	WSW	6	dd	45	92	5	-	2	-	10	10	2200	1023.6	-10	WSW	4	45	92	5	-	2	-	10	10	1	*	c	cfm	bcm	bcm
	Point of Ayre	1028.6	-12	WS	5	c	50	92	8	5	1	-	7.8	10	2500	1025.4	-10	WS	4	49	97	7	8	1	-	7.8	10	1	3	c	cfm	bcm	bcm
13a	Tiree ...	1021.9	-4	SWW	5	c	50	97	7	5	-	-	10	10	1200	1020.1	-4	WNW	2	46	92	7	5	2	-	10	10	1	3	c	cfm	bcm	bcm
13b	Stornoway	1019.8	-2	SW	3	c	49	92	8	5	7	7	4.6	10	1800	1017.2	+4	W	4	45	92	7	5	2	-	7.8	10	1	3	c	cfm	bcm	bcm
15	Dalwhinnie	1021.2	-12	SW	3	c	46	92	6	8	4	-	9	10	800	1020.0	-12	SW	4	45	97	6	5	4	-	4.6	9	1	*	c	cfm	bcm	bcm
	Aberdeen	1021.3	-14	SWW	2	c	49	85	6	5	7	-	2.3	9+	4000	1019.1	-10	SWW	2	49	85	6	5	7	-	10	10	1	1	c	cfm	bcm	bcm
	Wick ...	1019.1	0	SSW	2	c	50	97	8	5	2	8	7.8	9+	2500	1017.9	-8	SW	3	47	85	7	8	7	-	4.6	7.8	1	2	c	cfm	bcm	bcm
16	Lerwick...	1015.4	+12	WS	5	c	48	85	7	5	7	-	4.6	7.8	1500	1015.3	-2	WS	4	46	85	7	8	7	-	4.6	7.8	1	*	c	cfm	bcm	bcm
17	Blackod Point...	1025.7	-10	SSW	4	c	53	97	7	5	-	-	10	10	800	1023.4	-6	SW	5	50	97	6	6	-	10	10	1	4	c	cfm	bcm	bcm	
18	Malin Head	1024.4	-14	SSW	4	c	51	85	7	5	-	-	9+	9+	1500	1021.6	-18	SSW	3	50	97	6	6	-	10	10	1	3	c	cfm	bcm	bcm	
	Aldergrove	1027.4	-18	SW	4	cf	47	92	6	6	2	-	7.8	10	600	1024.5	-18	SW	4	48	92	6	6	-	10	10	1	*	c	cfm	bcm	bcm	
19	Birr Castle	1029.6	-14	SSW	2	c	52	75	8	5	1	-	7.8	10	2500	1026.9	-10	SSW	3	51	85	8	5	-	10	10	1	3	c	cfm	bcm	bcm	
20	Valentia Obsy. †	1030.4	-10	SSW	5	c	52	85	8	5	2	-	7.8	10	1500	1028.2	-10	SSW	4	51	85	8	5	-	10	10	1	3	c	cfm	bcm	bcm	
	Roches Point	1032.0	-10	SWW	3	c	50	85	8	6	2	-	7.8	9	1500	1030.0	-8	SWW	4	49	85	8	6	2	-	7.8	9+	1	3	c	cfm	bcm	bcm

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

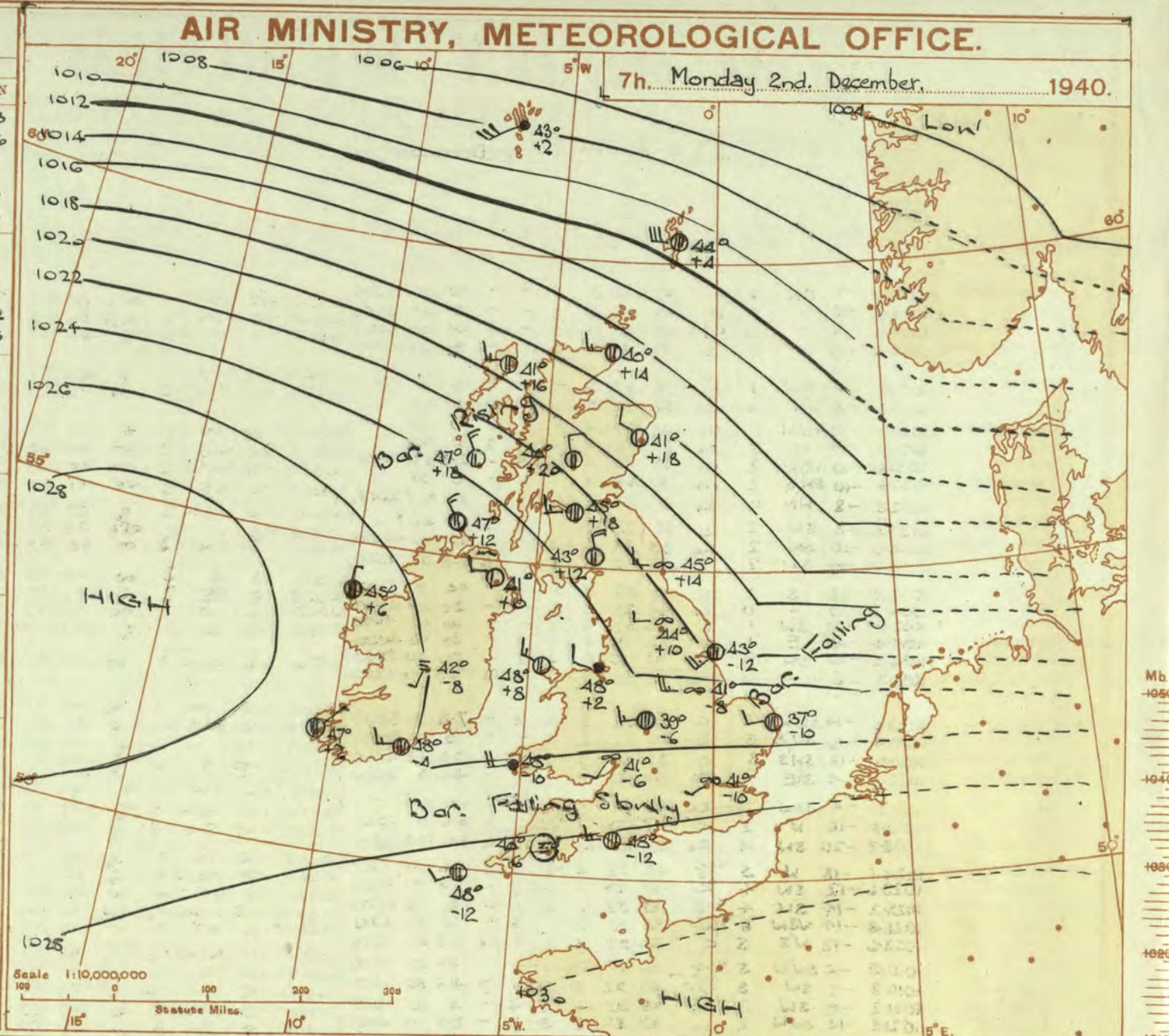
COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

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/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.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 1st December				18h. G.M.T.				01h. G.M.T. 2nd December				07h. G.M.T.			
III	ww	Vh	DDFWN	III	ww	Vh	DDFWN	III	ww	Vh	DDFWN	III	ww	Vh	DDFWN
109	87	02744	23455	52	61754	24368	5-	61648	21468	20	10853	58593			
115	52	10734	20586	52	81744	24485	52	62765	24588	52	81744	28586			
203	8-	02838	18468					5-	64838	24468	8-	61855	24415		
206	57	51851	20261	52	22855	22268		5-	51748	24158	80	25854	28284		
210	57	02955	20568	62	64637	24168	62	64637	22368	8-	01853	24583			
220	53	21616	23258												
230	5-	52528	53458	5-	54428	54458	6-	62738	26268						
245	57	02744	22467	57	02763	22427	5-	62668	24268	80	00862	24312			
260				5-	22655	20365	5-	62648	24368	50	00772	24162			
277	5-	02748	19468	52	62646	18468	6-	64648	27468	23	25862	26385			
279	5-	61548	20568				--	05548	20528	--	05545	20425			
285															
288	57	05664	18327	5-	05558	18328	5-	05558	16328						
273															
301	53	22665	22467	5-	05657	22367	02	52648	22468	5-	05662	26145			
321	5-	08467	14127	53	05566	23227	50	05664	20114	52	61665	23428			
299	57	05544	21215				50	05643	22413	5-	05548	22328			
292	57	05556	21247	00	45300	19340	57	05555	20348	57	22835	24268			
310										--	57100	20340			
316	53	45326	20155	50	45263	20143	00	08400	20310	5-	08458	18128			
333	5-	02367	20467	61	62645	19568	5-	02757	25577						
334										--	54548	20258			
340	5-	02866	16326	50	05663	18313	50	05654	16214	52	22646	22468			
136	03	47390	17317	52	41465	20348	50	05661	20311	57	61565	20468			
336										64	02754	28426			
350	5-	05578	18228												
368															
379	5-	05568	24128	50	47262	20142	00	08400	22202	07	05500	22315			
390	--	46103	00049	00	47200	22140	00	45100	20140	53	40365	22147			
382	5-	41467	00047	00	45300	00040	03	47100	00043	53	05576	28117			
438	51	01764	30315							80	01754	28314			
430	00	05590	00015	5-	47266	00046	5-	47168	00048	03	47200	00045			
409	53	05663	00028	54	05564	00024	50	05653	13113	5-	05648	14118			

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).



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 2nd December, 1940.
1 S.E. England	Light or moderate S.W. wind, veering W. to N.W. later; mainly cloudy, some slight rain locally; fog locally at night; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light northwesterly or variable wind; fair today, fog in many places tonight and tomorrow; cooler, with slight frost at night.
5 S.W. England	As 1-3
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 4.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Moderate northwesterly wind; bright periods; occasional showers; cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Light variable wind; fair; fog in many places inland tonight and tomorrow; average temperature by day, frost inland at night.
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 continues high over the Continent. A shallow trough is moving slowly S.E. across Central and Southern England, and behind it a feeble ridge of high pressure is spreading eastwards. Other troughs are moving eastwards across Scotland. Apart from some slight rain locally, weather will be fair to cloudy in the South. Fog will develop in many places in England tonight, but it will be local in the extreme E. & S.E. In North Scotland there will be bright intervals and showers.

FURTHER OUTLOOK.

Further Outlook.

Mainly fair and quiet, but much fog in the South.

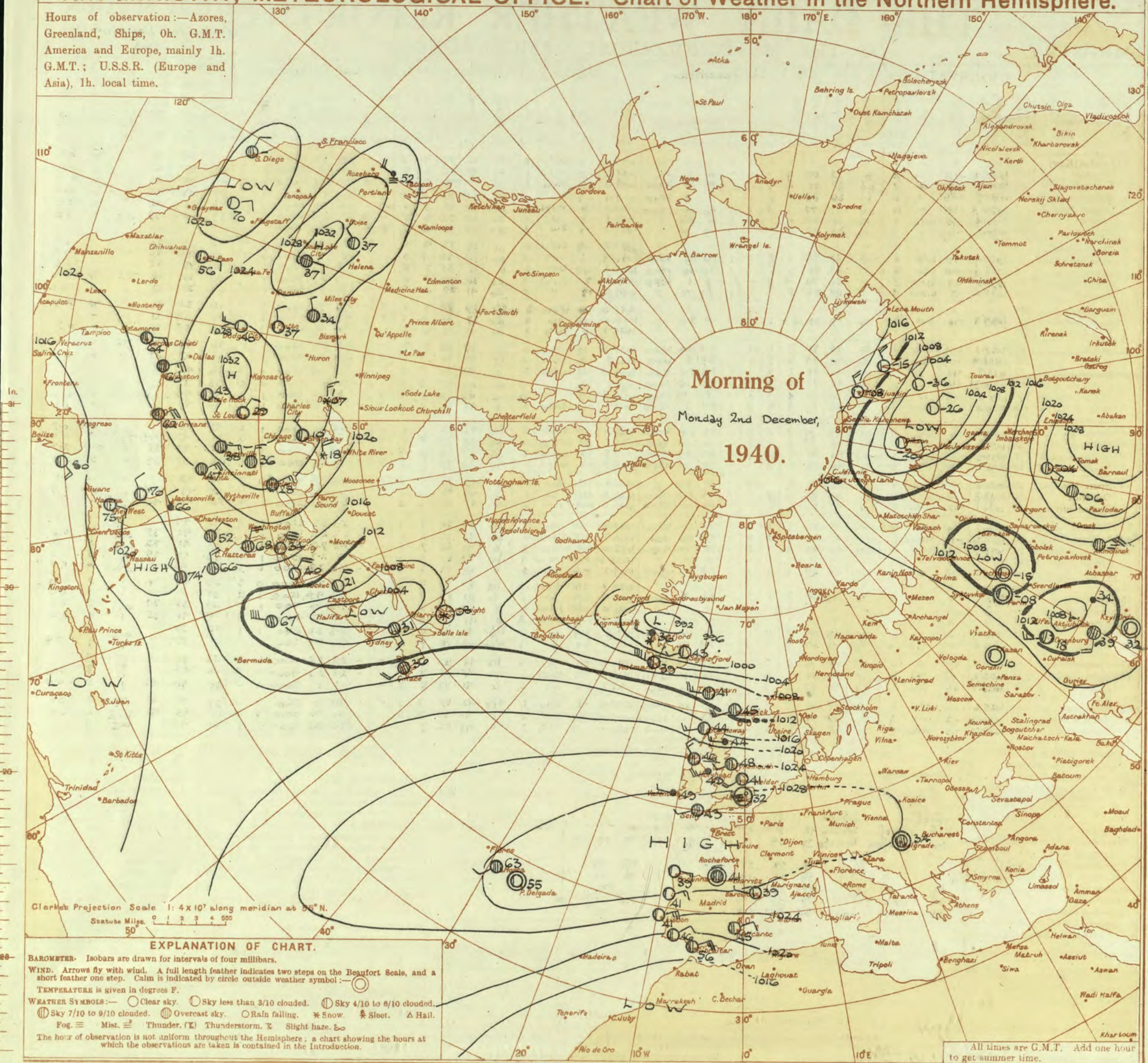
Forecasts issued at 1030h. G.M.T.

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

H.M.S.O. Press, Cornhill 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. 2nd December....															OBSERVATIONS at 7 hr. G.M.T. 2nd December....															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. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity. 0-9	Cloud.					Sea. 0-9	TEMPERATURE.			RAINFALL.		SUN-SHINE 1st hr.				
					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	0-12		0-10	0-10	0-10	0-10
1	London (Kew) ... 18	217	1030.3	-10	S	0	cf	32	92	4	-	-	-	-	1027.8	-6	SW	2	3	35	92	4	5	-	-	-	9	2500	3	42	31	29	-	Tr	0.0				
	Croydon ... 226	1030.2	-14	S	1	0	cf	27	97	2	-	-	-	-	1027.6	-10	SW	1	2	41	85	5	5	-	-	-	9	3000	1	41	25	18	-	-	0.5				
	S. Farnborough ... 417	1030.5	-20	-	0	0	N	36	85	5	-	-	-	-	1028.0	-6	SW	1	2	3	72	4	5	3	8	2-3	7-8	4000	2	41	25	18	-	-	0.0				
	Boscombe Down ... 8	1030.4	-10	-	0	0	N	40	92	2	-	-	-	-	1028.1	-4	NW	1	1	35	92	6	5	3	1	2-3	4-6	4000	1	27	33	26	-	-	0.0				
	Calshot (St. Mary's) ... 346	1030.4	+10	WNW	1	1	N	31	85	6	-	-	-	-	1028.2	-8	W	1	1	32	72	6	5	-	8	1	7-8	3500	3	43	35	28	-	Tr	2.2				
	Lympne ... 154	1030.2	-12	SW	2	2	N	32	85	6	-	-	-	-	1027.5	-8	SW	3	2	33	85	6	5	3	2	1	4-6	3000	3	39	29	19	0.2	-	5.6				
2	Shoeburyness ... 11	1029.4	-10	W's	2	2	cf	37	85	3	-	-	-	-	1027.5	-8	SW	2	3	38	85	4	8	-	-	-	9	4000	3	40	30	20	-	-	0.6				
	Felixstowe ... 15	1029.4	-10	W's	2	2	cf	37	85	3	-	-	-	-	1027.5	-8	SW	2	3	38	85	4	8	-	-	-	9	4000	3	40	30	20	-	-	3.7				
	Gorleston ... 5	1028.4	-10	WSW	2	2	cf	38	75	6	-	-	-	-	1025.3	-10	WSW	2	2	37	85	5	5	-	-	-	7-8	7-8	1500	3	39	33	25	-	-	3.4			
	Mildenhall ... 19	1028.5	-14	SW's	3	3	cf	36	72	4	-	-	-	-	1025.9	-8	SW	3	2	36	92	5	5	-	-	-	7-8	7-8	3500	1	39	35	26	-	Tr	0.0			
	Cranwell ... 240	1027.2	-18	WSW	4	4	cf	38	85	5	-	-	-	-	1027.7	-8	SW	5	5	41	92	5	5	-	-	-	9	2000	1	43	35	33	-	-	0.0				
3	Birmingham ... 535	1029.8	-12	SW	2	2	cf	32	92	5	-	-	-	-	1025.6	-6	WSW	3	3	39	97	4	5	7	-	-	4-6	9	1500	1	45	35	32	-	Tr	2.2			
	Upper Heyford ... 408	1029.8	-12	SW	2	2	cf	32	92	5	-	-	-	-	1028.0	-10	SW	2	2	37	92	6	5	7	7	4-6	10	2600	1	40	28	21	-	-	0.8				
4	Ross-on-Wye ... 223	1029.8	-12	SW	2	2	cf	32	92	5	-	-	-	-	1026.7	-6	SW	2	2	41	92	6	5	-	-	-	9	2500	1	46	34	26	-	-	0.8				
5	Hartland Point ... 299	1029.1	-16	SSW	3	3	bc	42	85	8	-	-	-	-	1027.3	-12	W	3	3	47	85	8	5	-	-	-	7-8	7-8	2500	1	46	40	36	-	Tr	0.1			
	Bristol ... 209	1029.4	-14	SSW	3	3	bc	42	75	6	-	-	-	-	1027.8	-8	WSW	3	3	40	85	8	5	7	8	2-3	7-8	9000	1	45	37	29	-	-	0.0				
	Portland Bill ... 32	1029.7	-12	S	2	2	bc	46	85	7	-	-	-	-	1028.0	-12	WSW	3	3	48	85	7	5	-	-	-	7-8	7-8	2500	1	46	42	-	-	-	0.0			
	Plymouth ... 82	1030.3	-10	-	0	0	bc	42	92	4	-	-	-	-	1028.8	-6	-	0	40	97	4	5	-	-	-	10	1500	0	43	37	-	-	-	0.0					
	The Lizard ... 240	1030.3	-12	W	3	3	bc	46	75	8	-	-	-	-	1029.0	-4	-	0	45	75	8	8	2	-	-	9	10	1500	1	49	44	-	-	-	0.3				
	Scilly (St. Mary's) ... 163	1030.5	-10	WSW	2	2	bc	43	75	8	-	-	-	-	1028.1	-12	SW	2	2	48	85	8	8	7	-	-	7-8	9	1800	1	53	42	-	-	-	6.2			
	Guernsey ... 175	1030.5	-10	WSW	2	2	bc	43	75	8	-	-	-	-	1028.1	-12	SW	2	2	48	85	8	8	7	-	-	7-8	9	1800	1	53	42	-	-	-	6.2			
6	Pembroke ... 142	1028.5	-6	SW	4	4	bc	48	75	7	-	-	-	-	1026.2	-10	WSW	4	4	48	85	7	8	2	-	-	7-8	10	2000	1	49	45	-	-	-	0.7			
7	Holyhead ... 26	1025.1	-16	SW	5	5	bc	49	97	6	-	-	-	-	1025.1	+8	NW	3	3	48	92	8	5	7	5	1	4-6	2500	1	51	47	44	-	-	0.1				
	Chester (Sealand) ... 16	1025.6	-18	SW	1	1	bc	48	85	6	-	-	-	-	1024.8	-2	WNW	2	2	48	92	6	6	2	-	-	7-8	10	1200	1	52	44	38	-	-	2.7			
8	Manchester ... 70	1025.8	-22	SW	1	1	bc	48	92	5	-	-	-	-	1023.9	-2	WSW	2	2	46	92	5	5	7	-	-	7-8	10	1800	1	46	37	34	-	-	0.5			
10	Spurn Head ... 29	1025.2	-20	SW's	4	4	bc	41	85	6	-	-	-	-	1021.5	-12	SW	5	5	43	85	7	5	1	-	-	4-6	9	4000	1	45	39	-	-	-	1.5			
	Catterick ... 175	1022.7	-26	SW's	3	3	bc	46	85	6	-	-	-	-	1022.8	+10	W	1	1	44	85	6	5	7	-	-	1	4-6	3500	1	48	43	37	-	-	1.3			
	Tynemouth ... 108	1024.1	-12	WSW	2	2	bc	48	85	6	-	-	-	-	1021.3	+14	W	3	3	45	85	6	2	-	-	-	2-3	2-3	2900	1	50	45	40	-	-	0.6			
11	St. Abbs Head ... 280	1016.9	-20	SW	5	5	bc	48	92	7	-	-	-	-	1019.9	+12	NW	5	5	45	85	8	4	4	-	-	2-3	2-3	2500	1	49	44	-	-	-	0.0			
	Leuchars ... 36	1017.3	-12	WNW	3	3	bc	48	85	6	-	-	-	-	1020.7	+18	WNW	2	2	43	85	7	5	-	-	-	2-3	2-3	3200	1	50	42	37	-	-	0.0			
12	Renfrew (Abbots I.) ... 19	1019.9	+2	WN	3	3	bc	46	92	6	-	-	-	-	1023.0	+18	WSW	3	3	45	85	7	5	-	-	-	7-8	7-8	2500	1	49	41	32	-	-	0.0			
	Eskdalemuir ... 794	1019.9	+2	WN	3	3	bc	46	92	6	-	-	-	-	1023.0	+18	WSW	3	3	45	85	7	5	-	-	-	7-8	7-8	2500	1	49	41	32	-	-	0.0			
	Point of Ayre ... 30	1022.1	-18	W	6	6	bc	49	97	7	-	-	-	-	1024.2	+14	NW	4	4	48	92	8	8	-	-	-	7-8	7-8	1500	1	46	42	39	-	-	0.0			
13A	Tiree ... 22	1019.2	0	WSW	3	3	bc	47	92	7	-	-	-	-	1022.9	+18	NW	3	3	47	75	8	8	-	-	-	2-3	2-3	2100	0	50	45	-	-	-	0.0			
13B	Stornoway ... 80	1019.2	0	WSW	3	3	bc	47	92	7	-	-	-	-	1020.8	+16	W	3	3	41	85	7	5	-	-	-	4-6	4-6	1500	1	51	39	34	-	-	0.0			
15	Dalwhinnie ... 1176	1019.2	0	WSW	3	3	bc	47	92	7	-	-	-	-	1021.0	+20	NW	2	2	40	85	6	5	-	-	-	4-6	4-6	1500	1	47	39	34	-	-	0.0			
	Aberdeen ... 79	1019.2	0																																				

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 2nd December														OBSERVATIONS at 18h. G.M.T. 2nd December														PAST 24 HOURS.								
DISRICT.	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. p. (9)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. p. (22)	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)					Low 0-10 (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 1h....3rd (39)	1h.—7h. (40)				
1	London (Kew)...	1027.4	-2	WSW	3	2	45	75	5	5	1	7-8	3	2500	1027.3	+6	-	-	0	3	43	85	4	5	-	-	10	10	2500	1	*	cm eff	cm	cm	cm eff	
	Croydon ...	1028.0	+4	SSW	1	2	47	75	5	5	-	-	3	3	3000	1027.8	+4	-	-	0	3	43	82	4	5	-	-	10	10	2000	1	*	cm	cm	cm	cm
	S. Farnborough	1027.0	-4	W	3	2	47	75	7	7	8	0	10	3400	1028.2	-	W	1	0	42	85	3	5	-	-	3	3	2000	1	*	bc mfc	cm	bc mfc	bc mfc		
	Boscombe Down	1027.7	-8	WN	2	2	47	75	6	7	8	0	10	3000	1028.0	+2	-	-	0	43	85	3	5	-	-	10	10	2500	1	*	bc mfc	cm	bc mfc	bc mfc		
	Calshot (Soton.)	1027.9	-6	-	0	bcf	46	75	2	-	3	1	0	400	1027.8	+2	-	-	0	43	85	3	5	-	-	10	10	3000	1	0	bcf	cm	bcf	bcf		
	Lympe	1027.3	-6	WNW	1	2	44	75	6	5	-	9	9	4000	1027.8	+6	WN	1	0	41	85	4	5	-	-	10	10	1500	1	1	bc mfc	cm	bc mfc	bc mfc		
	Manston	1027.0	-4	WSW	2	2	45	85	6	7	-	0	10	-	1027.9	+6	-	-	0	43	82	3	5	-	-	10	10	1200	1	*	bc mfc	cm	bc mfc	bc mfc		
2	Shoeburyness ...	1027.0	-2	WSW	2	0/d	46	75	5	5	-	-	10	10	4000	1027.8	+14	WNW	1	0	43	85	3	-	-	-	10	10	1500	1	1	cm mfc	cm	cm mfc	cm mfc	
	Felixstowe	1026.4	-4	WN	2	3	44	75	4	5	7	-	9	9	2500	1027.7	+10	NW	1	0	41	82	4	-	-	8	0	1	1400	1	2	cm	cm	cm	cm	
	Gorleston	1026.9	+6	WNW	2	bc	44	85	6	5	3	-	2-3	4-6	2500	1027.6	+10	NW	2	0	44	85	3	-	-	0	0	-	0	0	2	aboz	cm	aboz	aboz	
	Mildenhall	1026.2	+2	W	3	3	46	85	6	5	3	1	4-6	7-8	4000	1027.8	+12	-	-	32	87	1	-	-	-	0	0	-	0	0	1	*	cm mfc	cm	cm mfc	cm mfc
	Cranwell	1027.1	+12	NW	3	3	46	85	4	5	7	2	4-6	7-8	2000	1028.1	+6	-	-	34	87	3	-	-	-	0	0	-	0	0	1	*	cm mfc	cm	cm mfc	cm mfc
3	Birmingham	1027.2	+6	WNW	1	cf+	45	82	3	5	7	-	9	9	450	1028.4	+4	-	-	41	87	1	-	-	-	10	10	1500	1	*	cm f	cm	cm f	cm f		
	Upper Heyford	1027.4	-0	WNW	3	c	46	85	8	5	7	-	7-8	10	1600	1028.1	+6	-	-	41	87	4	5	-	-	8	1	73	2500	1	*	cm f	cm	cm f	cm f	
4	Ross-on-Wye	1027.1	-4	WN	1	c	43	85	8	5	-	-	10	10	1500	1027.5	+4	-	-	45	82	4	5	-	-	3	3	1500	1	*	cm f	cm	cm f	cm f		
5	Hartland Point	1027.4	-4	SW	3	cd	46	87	7	5	6	-	4-6	7-8	800	1028.5	+2	SW	3	1	47	87	6	5	-	-	10	10	800	1	2	cd	cd	cd	cd	
	Bristol ...	1028.0	-2	W	2	cd	47	85	7	5	-	-	10	10	6000	1028.0	+2	S	1	2	45	87	6	5	-	-	10	10	1200	1	1	cd	cd	cd	cd	
	Portland Bill	1027.8	-6	NW	2	cd	50	85	8	2	4	-	4-6	9	4000	1027.6	+4	W	1	2	48	85	6	5	-	-	10	10	4000	1	2	cd	cd	cd	cd	
	Plymouth	1028.5	-6	-	0	cd	49	85	4	5	-	-	9	9	2500	1028.1	+2	WSW	1	2	47	87	6	5	-	-	10	10	1800	1	0	cd	cd	cd	cd	
	The Lizard	1028.5	-6	WN	2	cd	50	85	8	8	2	-	9	10	3800	1028.0	0	SSW	2	1	47	87	6	5	-	-	10	10	1500	1	2	cd	cd	cd	cd	
	Scilly (St. Mary's)	1028.0	-6	SWW	2	c	53	75	8	7	3	4-6	9	1800	1027.8	0	SWW	1	2	50	85	8	5	7	-	-	7-8	3	1800	1	1	cd	cd	cd	cd	
	Guernsey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Pembroke	1026.5	-4	SWW	3	c	51	87	7	5	7	-	7-8	9	600	1026.2	0	SW	2	1	50	87	7	5	-	-	9	9	1500	1	2	cd	cd	cd	cd	
7	Holyhead	1026.7	0	WN	2	bc	49	87	8	7	8	4-6	4-6	2500	1026.8	-2	ES	3	1	44	87	7	-	-	1	0	Tr	1	1	cd	cd	cd	cd			
	Chester (Sealand)	1027.1	-6	WNW	2	c	47	82	6	5	7	-	2-3	7-8	1100	1027.1	+4	SE	1	0	42	87	2	5	-	-	4-6	4-6	2000	1	*	cd	cd	cd	cd	
8	Manchester	1026.9	+4	WNW	2	3	47	85	5	2	-	2	4-6	7-8	2200	1027.7	+6	-	-	42	87	2	5	-	-	10	10	1500	1	*	cd	cd	cd	cd		
10	Spurn Head	1026.5	+6	WN	3	c	45	82	c	-	1	4	7-8	-	1027.4	+4	SW	3	1	41	87	6	-	-	-	0	0	-	0	0	2	cd	cd	cd	cd	
	Catterick	1026.0	+10	WNW	3	bc	43	85	8	8	4	1	Tr	Tr	4000	1027.5	+8	-	0	37	87	5	-	-	-	0	0	-	0	0	1	1	cd	cd	cd	cd
	Tynemouth	1026.3	+20	NW	3	bc	47	75	6	-	4	-	0	2-3	-	1027.2	+6	W	2	0	48	85	3	-	-	0	2-3	-	1	1	cd	cd	cd	cd		
11	St. Abbs Head	1024.5	+10	WNW	5	bc	46	85	7	4	4	-	1	2-3	2500	1025.6	+4	WNW	2	1	41	87	7	4	-	-	Tr	Tr	2500	0	2	cd	cd	cd	cd	
	Leuchars	1024.9	+14	W	3	b	48	85	8	-	5	-	0	1	2500	1026.8	+2	WSW	2	1	38	85	6	-	-	7	0	Tr	-	1	1	cd	cd	cd	cd	
12	Renfrew (Abbots L.)	1026.8	+6	W	2	bc	50	75	8	1	-	5	Tr	2-3	2500	1026.8	0	-	0	36	87	4	-	-	2	0	2-3	-	1	1	cd	cd	cd	cd		
	Esksdalemuir	1025.7	+6	N	2	b	45	85	8	7	4	-	Tr	1	2500	1027.3	+6	-	0	31	87	8	-	-	0	0	-	0	0	1	1	cd	cd	cd	cd	
	Point of Ayre	1026.6	*	N	2	b	50	85	8	1	4	1	1	2-3	2500	1026.2	-2	SSW	1	0	37	87	8	-	-	0	0	Tr	-	1	1	cd	cd	cd	cd	
13A	Tiree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13B	Stornoway	1022.9	+2	WSW	3	b	46	75	8	5	-	1	Tr	1	2000	1022.0	-6	SW	3	1	45	75	7	5	-	-	4-6	7-8	2000	0	*	cd	cd	cd	cd	
15	Dalwhinnie	*	+8	SSW	2	bc	42	85	8	1	4	-	2-3	4-6	2500	*	+4	-	0	32	85	8	4	-	-	2-3	2-3	2500	1	1	cd	cd	cd	cd		
	Aberdeen	1023.8	+12	WSW	2	b	47	85	7	-	3	-	0	Tr	-	1024.7	+12	WSW	2	1	40	75	6	-	-	4	4	0	1	1	1	cd	cd	cd	cd	
	Wick	1021.1	+4	WNW	4	bc	44	85	8	8	6	-	2-3	2-3	1500	1021.8	+6	WSW	3	1	38	85	7	5	-	-	4-6	4-6	1500	1	1	cd	cd	cd	cd	
16	Lerwick	1015.5	+24	W	6	c/phr	42	75	7	8	7	-	4-6	7-8	800	1017.8	+12	WNW	5	1	45	75	7	8	-	-	4-6	7-8	800	1	*	cd	cd	cd	cd	
17	Blackad Point	1026.6	-4	SE	1	bc	50	82	8	2	-	4	2-3	2-3	1500	1028.0	-10	SSE	2	1	46	82	8	4	-	-	1	1	1500	0	2	cd	cd	cd	cd	
18	Malin Head	1026.3	+4	S	1	c	48	75	8	9	-	4	4-6	7-8	4000	1024.6	-10	SSE	2	1	40	85	8	4	-	-	4-6	4-6	4000	0	4	cd	cd	cd	cd	
	Aldergrove	1027.7	+4	-	0	cf-	42	87	2	5	-	-	9	9	300	1026.5	-2	SE	2	1	35	87														

Abridged observations of additional stations in the AVIATION WEATHER CODE																
13h. G.M.T. 3rd December 18h. G.M.T.									01h. G.M.T. 4th December 07h. G.M.T.							
III	C _M	ww	Vh _N	DDFWN	C _M	ww	Vh _N	DDFWN	C _M	ww	Vh _N	DDFWN	C _M	ww	Vh _N	DDFWN
1098	6	2	5854	58584	80	0	1853	23483	50	0	0852	20282	52	0	2765	20318
115	57	0	1844	24685					52	0	2844	20486	52	0	2844	20486
203									8-	8	1858	16588	8-	8	1956	16486
206					51	0	1962	26224	01	0	2890	00025	5-	0	2855	00025
210	70	0	0852	22402	50	0	1853	24213					5-	0	1864	18224
220																
230									5-	0	2767	00017	52	0	64538	16268
245	50	0	00961	24303	00	0	5690	25113	00	0	5690	00000	02	0	62548	00068
260	00	0	5590	22201	00	0	8490	00000	50	0	5562	24104	52	0	61658	00068
277					50	0	4751	32111	5-	0	51758	12458	02	0	62668	17368
279																
285	13	0	1842	28413	50	0	1853	32203					6-	0	64538	22368
288	20	0	5651	27218	00	0	8490	00040	00	0	47190	00040	5-	0	62448	18348
273	10	0	1863	16114												
301	80	0	5652	28214	00	0	8490	00040	50	0	43352	12342	62	0	62545	18468
321	07	0	5890	26327	00	0	4720	00040	--	0	44109	16149	6-	0	64448	17348
299	57	0	56432	6214	50	0	0742	00002					5-	0	56448	22428
292	10	0	1761	26113	00	0	5590	00010	--	0	46009	14149	5-	0	67338	16368
310	--	0	2528	24828	--	0	8434	24214					--	0	57209	20349
316	07	0	58490	22126	00	0	47190	00040	--	0	44109	00049	62	0	62544	16268
333	00	0	1890	00028	53	0	18630	0403	62	0	62647	16568	62	0	62644	18268
334									--	0	62356	18268				
340	50	0	56343	0227	00	0	4720	00040	00	0	45390	14340	6-	0	62538	16368
136	57	0	5652	26317	00	0	04490	30211	--	0	48109	18149	5-	0	08468	15348
396	52	0	5754	20428									62	0	62755	20368
350	57	0	2754	22226					--	0	44209	26149				
368																
379	52	0	5655	24228	00	0	08490	00010					5-	0	55548	20128
390	53	0	56456	24228	00	0	45390	00040	--	0	48109	00049	5-	0	43157	18247
382	5-	0	5667	26227	5-	0	08443	00028					52	0	08467	00028
438	5-	0	3753	28218									52	0	02544	00028
430	50	0	43363	00044	5-	0	47358	00028	50	0	45365	00045	5-	0	21458	00058
409	57	0	52527	20258	5-	0	05648	18258	5-	0	05648	12258	5-	0	05648	16258

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.

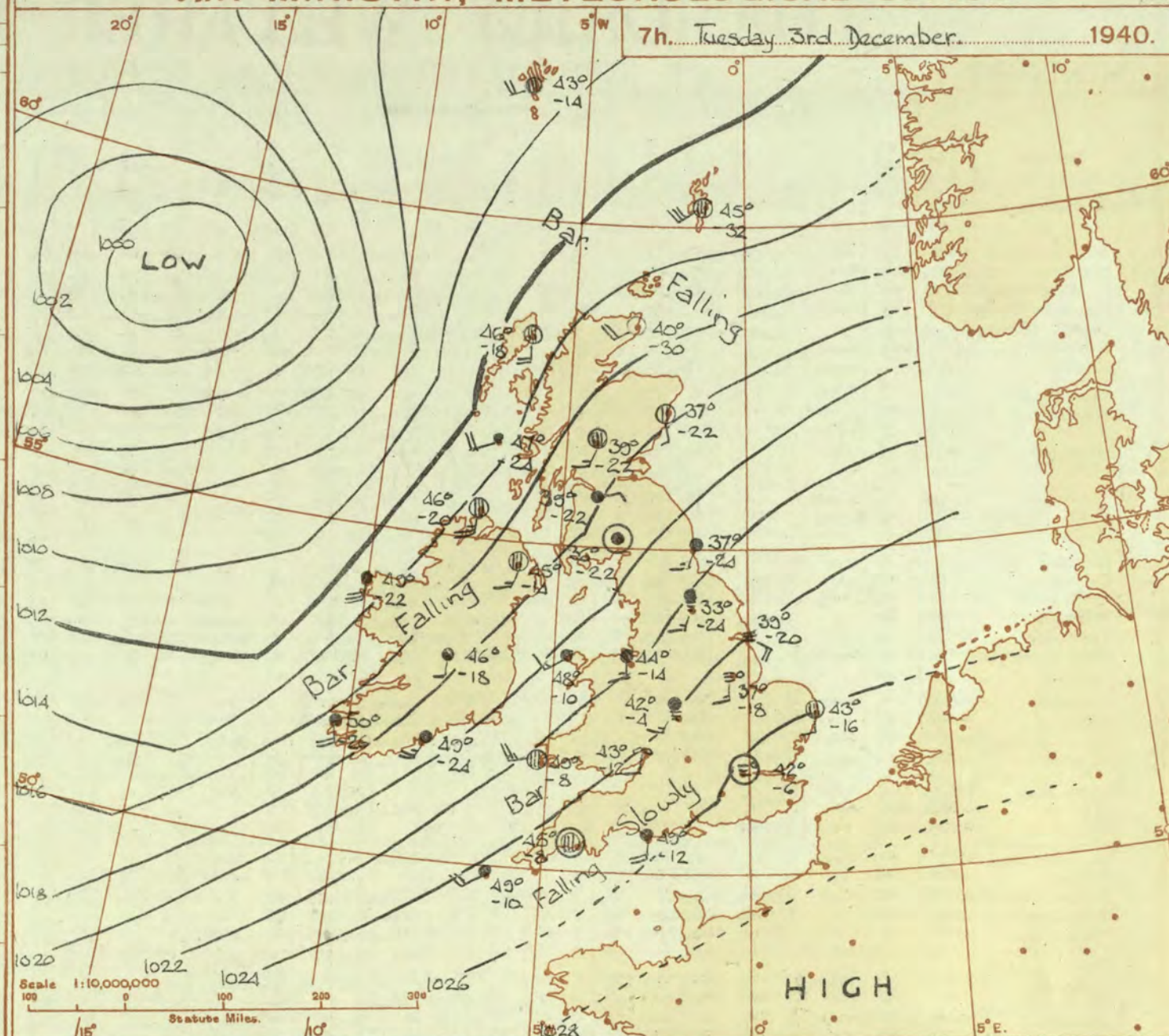
V = Visibility. F = Force of wind—See page 4.

DD = Direction of wind (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_h = Height and amount of low cloud—See M.O. 252.
 N = Total amount of cloud—See M.O. 252.
 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).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 3rd December
1 S.E. England	Light to moderate southwesterly wind. Dull and misty at first with local fog.
2 E. England ...	Slight local rain at first, more general rain later. Becoming rather mild.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate to fresh southwest wind, veering west later. Dull and rainy at first, some bright intervals later. Mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 1-4
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate to fresh southwest wind veering west later. Cloudy with occasional rain at first; showers and bright intervals later. Mild.
13 { A.W. Scotld. B.N.W. Scotland.	Fresh or strong southerly winds, veering southwest to west later. Dull and rainy at first, bright intervals and showers later. Mild.
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 off Northwest Scotland is deepening and moving northeastwards. It will be cloudy with periods of rain in all districts, with mild conditions in the North and West quickly spreading to eastern districts also.

FURTHER OUTLOOK.

Rather unsettled southwesterly type, with occasional rain or showers, but some bright intervals.

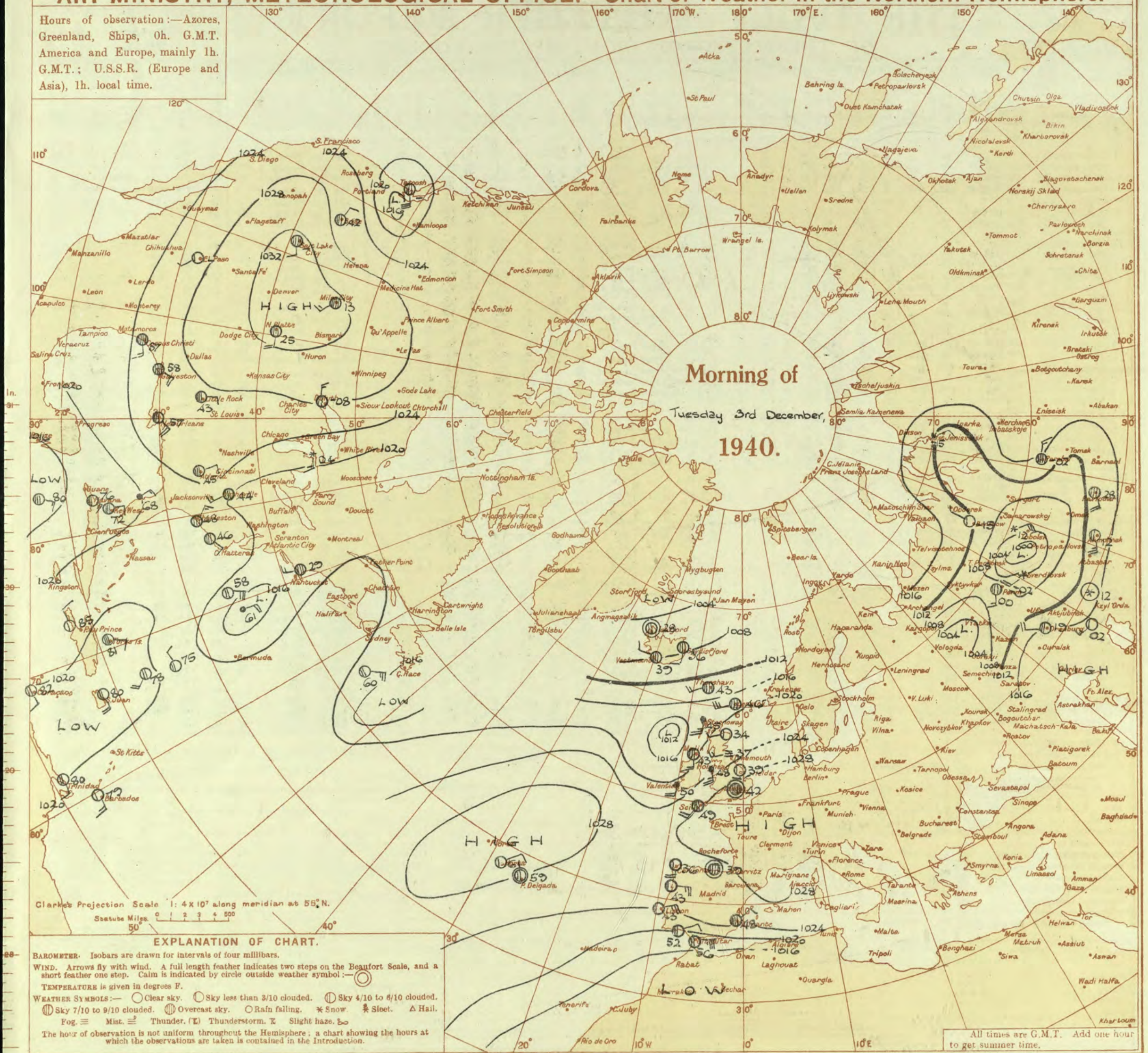
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press, Cornhill 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

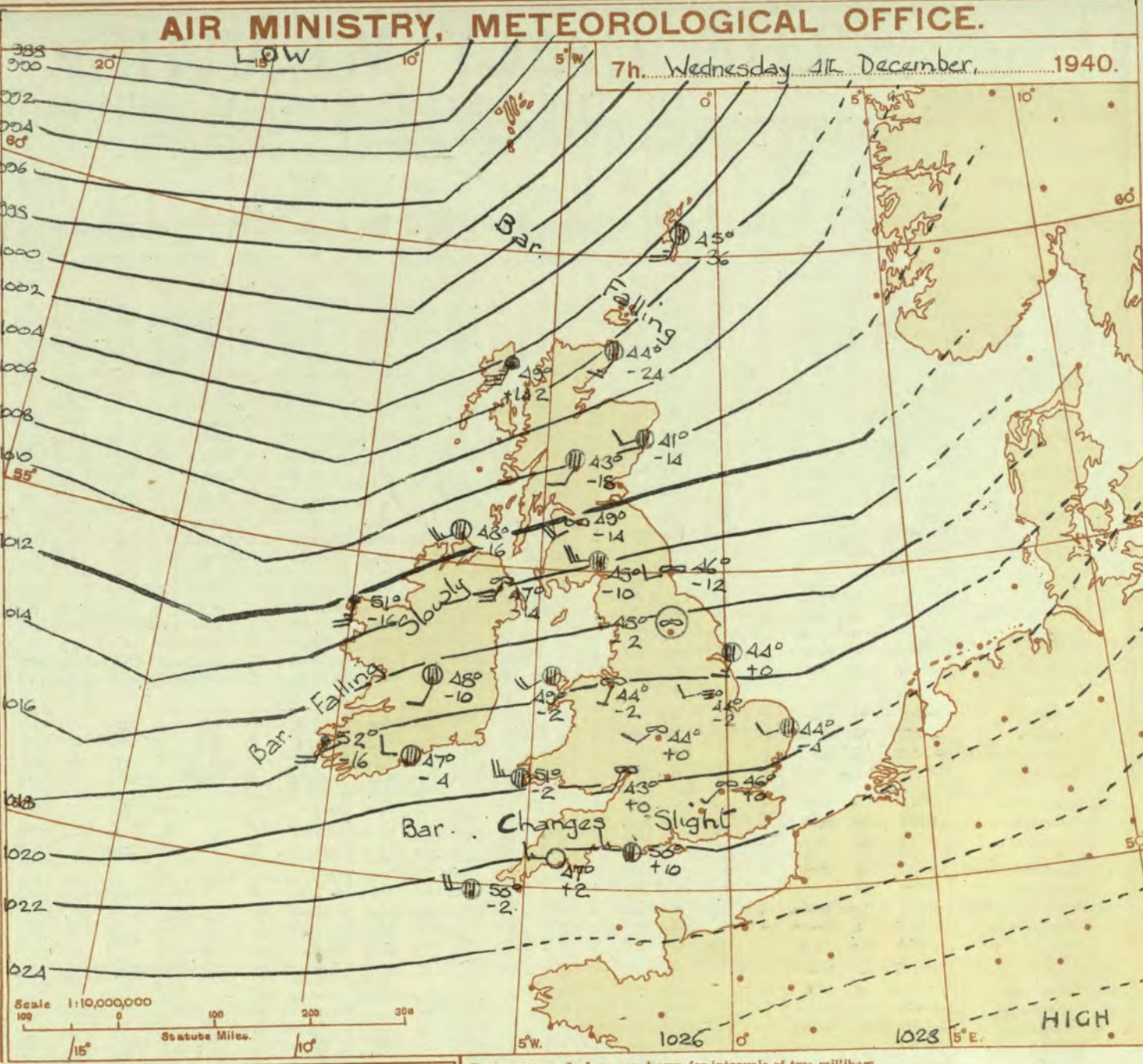
OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 3rd December														OBSERVATIONS at 18h. G.M.T. 3rd December														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. 0-10 (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity. 0-10 (22)	Cloud.			Barom. at M.S.L. (29)	Change in 3 hours. (30)	WEATHER.									
				Direc.	Force. 0-12 (4)					Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)			Direc.	Force 0-12 (18)					Form.	Amount (26)	Height of Base (feet) (28)			7h.—18h. ...and... (37)	13h.—18h. ...and... (38)	18h.—3a 1h.—4a (39)	1h.—7h. ...and... (40)						
1	London (Kew)...	1023.7	-16	SW	2	N	44	82	5	-	10	10	2300	1022.7	-2	SW	3	SW	43	82	5	0	-	10	10	1800	1	*	cfzmm	cfzmm	cfzmm	cfzmm			
	Croydon ...	1024.0	-16	SW	2	N	45	82	4	-	10	10	3500	1023.3	+2	S	1	SW	43	87	5	5	-	10	10	1800	1	*	cfzmm	cfzmm	cfzmm	cfzmm			
	S. Farnborough	1024.0	-14	SW	4	N	46	85	7	7	-	7-8	10	3000	1022.8	-2	SW	3	SW	44	82	5	5	2	-	7-8	10	1400	1	*	cfzmm	cfzmm	cfzmm	cfzmm	
	Boscombe Down	1023.4	-16	SW	4	N	43	87	6	2	-	7-8	10	800	1022.8	-4	S	3	SW	43	87	5	5	2	-	7-8	10	1600	1	*	cfzmm	cfzmm	cfzmm	cfzmm	
	Calshot (Soton.)	1024.4	-12	WSW	4	N	46	85	7	5	7	-	10	3000	1022.8	-6	SWW	3	SW	46	82	6	5	-	10	10	800	1	*	cfzmm	cfzmm	cfzmm	cfzmm		
	Lymington ...	1025.0	-8	SW	1	N	44	87	7	5	-	10	1600	1024.0	-6	SW	2	SW	43	82	7	5	7	-	10	10	2000	1	*	cfzmm	cfzmm	cfzmm	cfzmm		
	Manston	1024.7	-8	SW'S	3	N	44	82	6	5	7	-	4-6	10	1200	1023.4	-6	SW'S	2	SW	43	82	6	5	7	-	4-6	10	3000	1	*	cfzmm	cfzmm	cfzmm	cfzmm
2	Shoeburyness ...	1024.4	-12	SE	1	N	44	87	3	5	2	-	7-8	10	2500	1022.9	-4	SSW	1	SW	44	82	4	5	2	-	10	10	800	1	*	cfzmm	cfzmm	cfzmm	cfzmm
	Felixstowe ...	1024.1	-16	SW'S	3	N	45	82	5	5	7	-	7-8	10	3000	1022.4	-10	SW	3	SW	44	82	4	5	2	-	7-8	10	2000	1	2	cfzmm	cfzmm	cfzmm	cfzmm
	Gorleston ...	1023.4	-16	SW'S	3	N	44	82	4	5	1	-	4-6	10	1500	1022.0	0	SW'S	3	SW	44	82	4	5	-	10	10	800	1	2	cfzmm	cfzmm	cfzmm	cfzmm	
	Mildenhall ...	1022.9	-20	SW'S	3	N	45	85	4	5	2	-	7-8	10	3000	1021.4	-4	SSW	3	SW	43	87	3	-	2	-	10	10	1700	1	*	cfzmm	cfzmm	cfzmm	cfzmm
	Cranwell ...	1022.0	-18	SW'W	4	N	44	82	5	-	2	-	10	1000	1020.1	-12	SW'W	3	SW	42	87	5	-	7	-	10	400	1	*	cfzmm	cfzmm	cfzmm	cfzmm		
3	Birmingham	1021.6	-6	SSW	2	N	43	82	4	6	-	10	1000	1021.0	-4	SSW	3	SW	43	82	5	5	-	10	10	4000	1	*	cfzmm	cfzmm	cfzmm	cfzmm			
	Upper Heyford	1022.9	-20	SSW	2	N	44	82	6	5	7	-	7-8	10	1000	1021.6	-8	SSW	2	SW	43	82	5	5	7	-	4-6	7-8	1800	1	*	cfzmm	cfzmm	cfzmm	cfzmm
4	Ross-on-Wye ...	1021.5	-14	SSW	2	N	46	82	7	6	2	-	4-6	10	1500	1020.1	-4	SW	3	SW	46	85	6	5	1	-	10	10	1500	1	*	cfzmm	cfzmm	cfzmm	cfzmm
5	Hartland Point	1021.0	-18	WSW	4	N	47	85	7	8	2	-	4-6	10	1400	1019.0	-8	SW	4	SW	47	87	6	5	2	-	10	10	1000	1	3	cfzmm	cfzmm	cfzmm	cfzmm
	Bristol ...	1022.6	-14	SW	3	N	46	82	7	5	7	-	2-3	10	3000	1021.4	-4	SE	3	SW	45	87	6	5	2	-	10	10	800	1	3	cfzmm	cfzmm	cfzmm	cfzmm
	Portland Bill ...	1023.6	-14	SW	4	N	48	82	7	5	-	-	10	2500	1021.8	-6	SW	4	SW	48	82	7	5	-	-	10	10	2500	1	3	cfzmm	cfzmm	cfzmm	cfzmm	
	Plymouth ...	1023.7	-10	SW	3	N	48	85	6	5	2	-	4-6	10	1500	1022.1	-2	WSW	6	SW	48	87	5	5	2	-	10	10	1000	1	4	cfzmm	cfzmm	cfzmm	cfzmm
	The Lizard ...	1023.4	-8	WSW	3	N	50	85	8	8	2	-	10	2000	1021.6	-12	SW	6	SW	48	87	6	5	2	-	10	10	1500	1	4	cfzmm	cfzmm	cfzmm	cfzmm	
	Scilly (St. Mary's)	1021.9	-18	SW	5	N	50	85	7	8	1	-	7-8	10	1200	1020.6	-2	WSW	5	SW	50	87	7	5	2	-	4-6	10	1000	1	3	cfzmm	cfzmm	cfzmm	cfzmm
	Guernsey ...	1021.9	-18	SW	5	N	50	85	7	8	1	-	7-8	10	1200	1020.6	-2	WSW	5	SW	50	87	7	5	2	-	4-6	10	1000	1	3	cfzmm	cfzmm	cfzmm	cfzmm
6	Pembroke ...	1019.5	-14	SW	6	N	48	87	6	5	2	-	7-8	10	1400	1017.8	-4	WSW	4	SW	49	87	7	8	6	-	2-3	4-6	1500	1	3	cfzmm	cfzmm	cfzmm	cfzmm
7	Holyhead ...	1017.8	-16	SSW	5	N	48	87	7	6	2	-	10	800	1016.7	+2	SSW	3	SW	49	87	5	5	-	-	4-6	4-6	1200	1	1	cfzmm	cfzmm	cfzmm	cfzmm	
	Chester (Sealand)	1019.9	-16	SE'S	3	N	46	82	6	5	7	-	7-8	10	3000	1017.9	-6	SE'S	2	SW	46	82	5	5	-	-	10	10	3000	1	*	cfzmm	cfzmm	cfzmm	cfzmm
8	Manchester ...	1020.1	-14	SW	4	N	45	82	5	5	7	-	7-8	10	1800	1018.6	-6	SE	3	SW	45	82	4	5	-	-	7-8	10	2200	1	*	cfzmm	cfzmm	cfzmm	cfzmm
10	Spurn Head ...	1020.7	-10	SW	4	N	48	87	4	5	-	10	10	800	1018.7	-4	SW	4	SW	48	87	6	5	1	-	2-3	4-6	1500	0	3	cfzmm	cfzmm	cfzmm	cfzmm	
	Catterick ...	1018.7	-14	SSW	2	N	44	87	5	5	7	-	7-8	10	2000	1016.3	-14	S	3	SW	43	87	4	5	7	-	4-6	9	2000	1	2	cfzmm	cfzmm	cfzmm	cfzmm
	Tynemouth ...	1019.6	-6	SW	3	N	42	82	3	5	-	10	10	1200	1018.5	0	S	3	SW	45	82	3	-	2	-	10	10	1200	1	2	cfzmm	cfzmm	cfzmm	cfzmm	
11	St. Abbs Head	1015.7	-4	SW	3	N	41	75	7	5	7	-	4-6	10	2000	1015.0	-4	SW	3	SW	45	82	7	5	2	-	7-8	10	2500	0	1	cfzmm	cfzmm	cfzmm	cfzmm
	Leuchars ...	1015.4	-6	-	0	N	39	37	4	-	2	-	10	10	1800	1014.5	0	-	40	82	4	-	2	-	10	10	1800	1	*	cfzmm	cfzmm	cfzmm	cfzmm		
12	Renfrew (Abbots L.)	1015.6	-10	SW'W	6	N	47	85	6	5	2	-	10	10	3000	1014.8	+2	WSW	1	SW	46	87	5	5	7	-	7-8	10	1800	1	*	cfzmm	cfzmm	cfzmm	cfzmm
	Eskdalemuir ...	1016.3	-8	SW'W	4	N	44	82	6	5	-	10	10	800	1016.8	+6	WS	2	SW	44	87	5	-	2	-	10	10	2200	1	*	cfzmm	cfzmm	cfzmm	cfzmm	
	Point of Ayre ...	1016.8	-12	WSW	2	N	49	82	7	8	1	-	7-8	7-8	1500	1016.1	0	WS	2	SW	48	87	7	8	2	-	7-8	10	1500	1	2	cfzmm	cfzmm	cfzmm	cfzmm
13A	Tiree ...	1012.2	0	SW'W	4	N	48	82	7	5	-	10	10	1500	1013.5	+6	SW	2	SW	48	87	7	5	-	-	7-8	7-8	1500	1	3	cfzmm	cfzmm	cfzmm	cfzmm	
13B	Stornoway ...	1013.3	-8	SE	3	N	46	85	5	7	-	7-8	10	1500	1013.6	+2	-	0	SW	45	82	8	5	-	-	2-3	2-3	2500	1	0	cfzmm	cfzmm	cfzmm	cfzmm	
15	Dalwhinnie ...	1014.6	-6	SW	2	N	42	85	7	5	4	-	7-8	10	1500	*	SW	2	SW	42	87	7	8	-	-	4-6	4-6	1500	1	*	cfzmm	cfzmm	cfzmm	cfzmm	
	Aberdeen ...	1014.7	-8	WSW	1	N	41	87	6	7	-	4-6	9	1500	1014.1	-4	WSW	1	SW	42	87	4	6	7	-	1	5	1500	1	1	cfzmm	cfzmm	cfzmm	cfzmm	
	Wick ...	1013.4	-6	WSW	2	N	42	85	8	5	7	8	4-6	7-8	1500	1013.0	-2	SW	1	SW	43	82	7	5	-	1	1	1500	1	1	cfzmm	cfzmm	cfzmm	cfzmm	
16	Lerwick...	1012.2	-4	WSW	4	N	45	85	8	5	7	-	4-6	7-8	1500	1012.5	+2	SW	2	SW	42	82	8	5	7	-	4-6	4-6	1500	1	*	cfzmm	cfzmm	cfzmm	cfzmm
17	Blacksod Point...	1016.8	+10	W	3	N	52	87	7	4	5	-	4-6	7-8	1500	1016.3	+16	W	2	SW	48	87													

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 3rd December 1940				18h. G.M.T.				01h. G.M.T. 4th December 1940			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h
109	87	01864	17214	00	00790	16110	02	00690	16101	52	02755
115	52	01954	20325	51	01851	20113	52	02844	20327	52	02844
203											
206				86	25654	00085	5-	21448	00058	62	61855
210	52	62845	20268	54	00862	20162	5-	47353	00013	5-	21647
220											
230	5-	2052	22741	5-	51748	18358	5-	23548	20258	5-	05648
245	02	61548	24268	53	08445	28166	5-	05656	24227	5-	08447
260	52	02766	18266	5-	05658	20268	5-	05658	18228	53	05644
277	67	52645	10465	52	51645	21258	5-	02758	21568	8-	02848
279				--	51548	24258	5-	05548	24328		
285	6-	63638	24568	6-	61537	24667	5-			5-	03638
288	52	64568	18368	5-	08468	16268	5-	45258	18148	52	41455
273	43	02644	21367							43	02734
301	57	47347	15168	02	51448	16258	5-	22548	26168	5-	05557
321	02	62438	02368	57	45363	18467	00	47390	00040	5-	08457
299	5-	62448	23368	5-	08438	22358	--	48009	22349		
292	52	67846	17168				5-	08447	00047	57	08455
310				--	57109	20449					
316	62	52438	16268	57	41454	20245	5-	52448	20158	5-	08458
333	62	64645	20368	02	52528	16358	5-	02757	22187	53	02752
334											02655
340	67	05643	16428	50	51554	14364	5-	51648	00058	5-	02767
136	01	62430	18368	02	67328	19368	5-	05547	20367	5-	41418
336				62	02754	16467				24	03755
350	52	62645	16358							57	05546
368											
376	6-	51628	18358	5-	05528	20328	--	48209	20359	5-	47226
390	5-	47268	16258	62	62446	20268	5-	45338	20258	5-	47346
382	57	02766	18368	57	02665	18267	5-	05548	19228		
438	8-	02748	24427							8-	02747
430	57	02666	20228	5-	62548	20268	5-	51438	20258	5-	22557
400	2	62634	17468	62	32617	18468	50	05643	24253	52	61637

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.
 X = 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. Wednesday 4th December
1 S.E. England	Light or moderate southwest wind, freshening. Fair at first, but with some mist patches in extreme east. Rain this evening, followed by bright intervals
2 E. England ...	tomorrow morning. Rather mild.
3 E. Midlands ...	
4 W. Midlands ...	Fresh southwesterly wind, becoming strong. Rain this afternoon bright intervals
5 S.W. England	and showers later. Rather mild
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.	South or southwest wind, strong to gale. Dull and rainy at first, showery later, but with some bright intervals. Mild.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	Fresh or strong southwest or west wind. Occasional showers, some bright intervals. Rather mild.
18 N.E. Ireland	
19 S.E. Ireland	As 4-11
20 S.W. Ireland	As 17



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

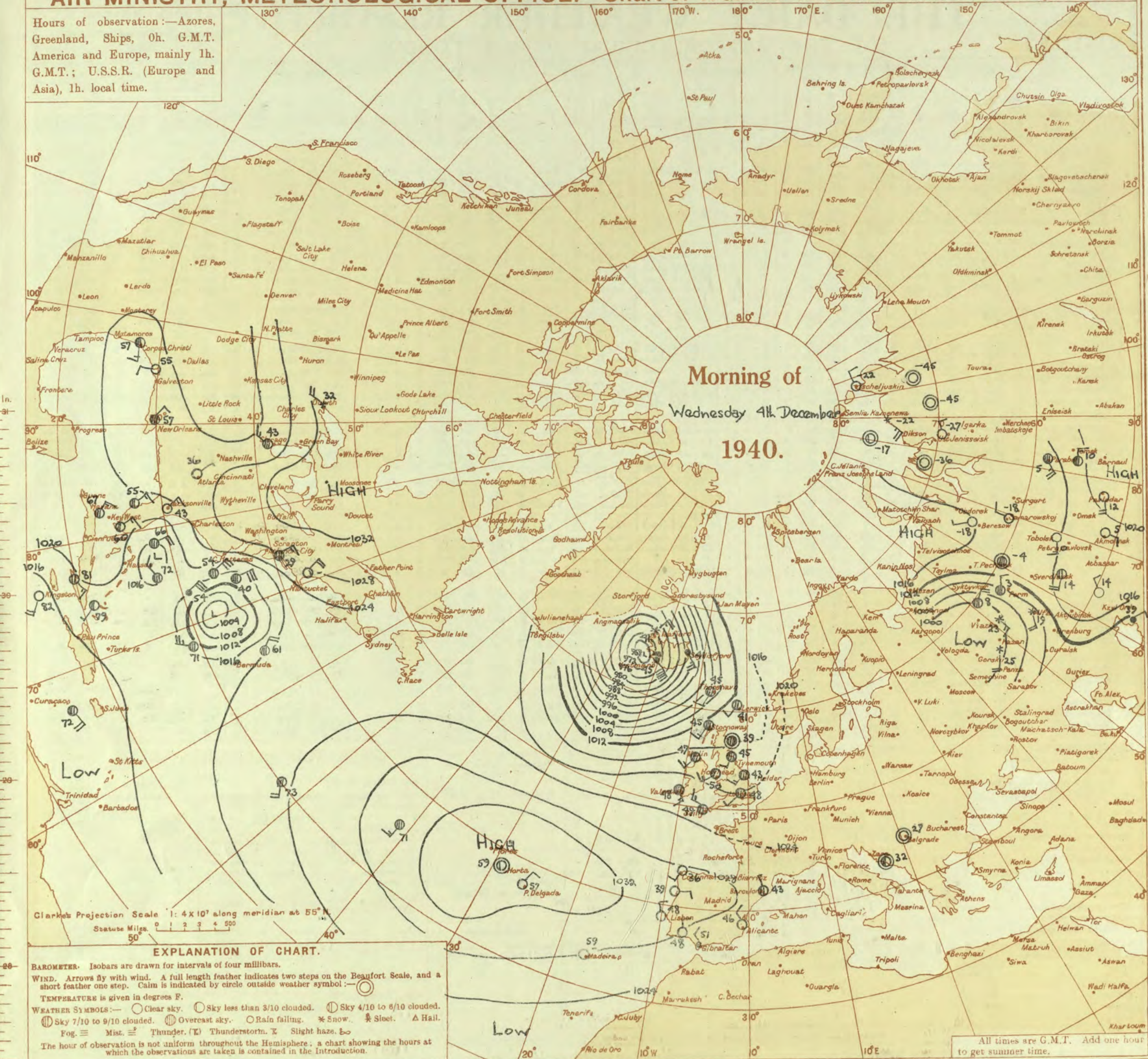
GENERAL INFERENCE.
 A very deep depression is centred near Iceland, and a trough of low pressure is approaching Ireland. Rain associated with this trough will spread across the British Isles, to be followed by showery conditions. Southwesterly winds will become strong to gale in the North and stormy conditions will gradually spread to other parts of the British Isles. It will be mild in all districts.

FURTHER OUTLOOK.
 Unsettled with rain at times in all districts. Stormy in many places, especially the North. Gale warning issued at 05.30 on 4.12.40 in districts 130. and 16.

Forecasts issued at 10.30 G.M.T.
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.
 H.M.S.O. Press, Crownwell 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. 4th December														OBSERVATIONS at 7 hr. G.M.T. 4th December														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at 1 hr. M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at 7 hr. 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 (29)	TEMPERATURE.			RAINFALL.		SUNSHINE 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)	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. (12)	Med. (13)	High (14)		Low (12)	Med. (13)	High (14)	
1	London (Kew) ... 18	1020.7	-1.4	SW	1	20	48	37	5	5	-	-	-	-	1020.7	+4	WSW	2	20	46	37	6	5	-	-	10	10	1500	1	45	43	40	1	0.2	0.0		
	Croydon ... 217	1020.7	-1.0	SW	4	20	46	37	5	5	-	-	-	-	1020.7	0	SW	1	20	46	37	5	5	2	-	9	10	1800	1	45	42	41	1	0.1	0.0		
	S. Farnborough ... 226	1020.7	-1.0	SW	4	20	46	37	5	5	-	-	-	-	1020.7	+2	SWW	3	20	46	37	6	5	-	-	10	10	600	1	46	43	42	1	0.1	0.0		
	Boscombe Down ... 417	1020.8	-1.4	SW	2	10	46	37	6	5	-	-	-	-	1020.7	-2	SWW	2	20	45	37	6	8	3	-	4-6	4-6	3000	1	44	42	40	2	0.0	0.0		
	Calshot (Stmntn.) ... 8	1021.1	-2	WSW	2	20	48	37	6	5	7	-	-	-	1021.1	-2	WSW	2	20	48	37	6	5	7	-	4-6	3	2500	1	48	45	44	3	0.0	0.0		
	Lympne ... 346	1022.6	-1.4	SW	2	20	44	37	6	5	-	-	-	-	1021.8	-2	SW	2	20	46	37	3	5	-	-	10	10	1150	1	45	42	39	5	0.6	0.0		
	Manston ... 154	1021.4	-1.0	SW	3	20	43	37	6	5	7	-	-	-	1020.7	-4	SW	2	20	43	37	5	5	-	-	10	10	1400	1	43	40	38	4	0.0	0.0		
2	Shoeburyness ... 11	1020.5	-1.0	SW	2	20	43	37	5	5	7	-	-	-	1020.4	-2	SW	2	20	47	32	4	5	-	-	10	10	1500	1	45	43	36	0.6	0.3	0.0		
	Felixstowe ... 15	1020.5	-1.0	SW	2	20	43	37	5	5	7	-	-	-	1020.0	-6	SW	3	20	45	37	4	5	-	-	10	10	2000	1	45	42	38	0.5	0.0	0.0		
	Gorleston ... 5	1020.4	-1.4	SW	2	20	43	32	4	5	-	-	-	-	1019.4	-4	SWW	2	20	44	32	4	6	-	-	10	10	1000	1	45	42	36	0.3	0.1	0.0		
	Mildenhall ... 19	1019.3	-1.4	SW	3	20	43	32	5	5	-	-	-	-	1019.1	0	SWW	3	20	45	37	5	7	-	-	7-8	10	1800	1	46	43	36	1	0.4	0.0		
	Cranwell ... 240	1019.5	-1.4	WSW	3	20	41	32	4	6	-	-	-	-	1019.2	-2	WSW	2	20	44	37	4	5	-	-	10	10	1500	1	45	39	37	1	0.0	0.0		
3	Birmingham ... 535	1020.7	-1.4	SW	2	10	44	37	5	5	-	-	-	-	1017.8	0	SW	2	20	44	32	5	5	-	-	4-6	4-6	1500	1	43	43	41	2	0.1	0.0		
	Upper Heyford ... 408	1020.7	-1.4	SW	2	10	44	37	5	5	-	-	-	-	1019.3	-10	SW	2	20	44	37	2	-	-	-	10	10	1150	1	44	42	38	1	0.3	0.0		
	Ross-on-Wye ... 223	1020.7	-1.4	SW	2	10	44	37	5	5	-	-	-	-	1019.3	-10	SW	2	20	43	32	6	5	4	1	7-8	9	2500	1	46	42	34	1	0.3	0.0		
5	Hartland Point ... 299	1020.4	+4	WNW	2	20	47	32	6	5	-	-	-	-	1020.1	-4	WNW	3	20	49	32	8	8	6	-	4-6	7-8	1500	1	48	47	44	8	2	0.1		
	Bristol ... 209	1020.4	-2	SSW	3	20	47	32	6	5	-	-	-	-	1020.9	+2	SW	2	20	46	37	6	8	7	-	7-8	9	1800	1	47	44	38	2	0.1	0.0		
	Portland Bill ... 32	1020.6	-6	SW	4	20	48	32	3	5	-	-	-	-	1021.4	+10	W	3	20	50	32	8	5	-	-	7-8	7-8	4000	1	49	46	44	4	0.0	0.0		
	Plymouth ... 82	1021.7	+8	W	1	20	47	37	6	5	-	-	-	-	1022.5	+2	W	3	20	47	32	6	5	7	-	7-8	9	1200	1	51	43	35	7	1	0.0		
	The Lizard ... 240	1022.4	+8	WNW	4	20	48	37	8	5	-	-	-	-	1022.7	+2	WN	4	20	49	37	7	8	2	-	9	10	2000	1	50	48	46	3	0.0	0.0		
	Scilly (St. Mary's) ... 163	1022.5	+8	WNW	3	20	49	37	7	5	-	-	-	-	1022.6	-2	WS	4	20	50	32	8	5	4	-	4-6	9	1500	1	50	49	47	0.1	0.0	0.0		
	Guernsey ... 175	1022.5	+8	WNW	3	20	49	37	7	5	-	-	-	-	1022.6	-2	WS	4	20	50	32	8	5	4	-	4-6	9	1500	1	50	49	47	0.1	0.0	0.0		
6	Pembroke ... 142	1020.1	+10	WNW	3	20	50	32	7	5	-	-	-	-	1019.9	-2	WS	5	20	51	35	7	8	-	-	7-8	7-8	2000	1	51	49	47	5	3	0.0		
7	Holyhead ... 26	1018.0	+8	WS	3	20	50	37	7	5	-	-	-	-	1017.2	-2	SW	4	20	49	37	8	5	-	-	10	10	3200	1	50	47	44	4	0.1	0.0		
	Chester (Sealand) ... 16	1018.0	+2	WS	3	20	45	37	6	5	-	-	-	-	1018.0	-2	SW	4	20	44	37	6	5	3	-	2-3	4-6	4000	1	47	43	36	4	0.1	0.0		
	Manchester ... 70	1018.1	+2	WS	3	20	45	37	6	5	-	-	-	-	1017.8	-2	SW	2	20	45	37	3	5	-	-	10	10	1500	1	45	43	38	3	0.3	0.0		
10	Spurn Head ... 29	1017.3	-2	SW	3	20	43	37	6	5	1	-	-	-	1017.5	0	SSW	3	20	44	37	6	5	-	-	9	9	1500	0	43	42	41	3	0.0	0.0		
	Catterick ... 175	1017.3	0	SW	3	20	43	37	4	5	-	-	-	-	1016.4	-2	SW	3	20	45	32	5	5	7	-	9	10	2500	1	45	42	41	1	0.0	0.0		
	Tynemouth ... 108	1017.7	-4	SSW	2	20	45	32	5	5	-	-	-	-	1016.0	-12	WSW	2	20	46	35	5	5	-	-	10	10	1200	1	45	44	41	1	0.0	0.0		
11	St. Abbs Head ... 280	1015.0	0	W	2	20	46	35	7	5	2	-	-	-	1013.1	-8	W	3	20	45	32	8	5	2	-	7-8	10	2500	0	47	45	40	2	0.1	0.0		
	Leuchars ... 36	1014.3	-2	W	2	20	46	32	6	5	-	-	-	-	1011.3	-14	SW	2	20	46	35	6	5	-	-	9	9	2500	1	47	45	40	0.1	0.0	0.0		
12	Renfrew (Abbots I.) ... 19	1015.1	0	SW	1	20	48	37	5	8	7	-	-	-	1012.4	-14	SW	4	20	49	32	5	5	7	-	9	10	1400	1	48	45	41	1	0.1	0.3		
	Eskdalemuir ... 794	1017.0	+6	SW	3	20	49	32	8	5	2	-	-	-	1013.6	-10	WS	3	20	47	37	8	5	-	-	4-6	10	2500	1	49	43	41	3	0.6	0.0		
	Point of Ayre ... 30	1017.0	+6	SW	3	20	49	32	8	5	2	-	-	-	1013.6	-10	WS	3	20	47	37	8	5	2	-	4-6	10	2500	1	49	43	41	3	0.2	0.0		
13A	Tiree ... 22	1011.0	-10	SSW	3	20	45	32	7	5	7	-	-	-	1003.0	-42	SSW	6	20	49	35	7	5	7	-	7-8	10	1500	1	47	40	35	0.3	0.1	0.0		
13B	Stornoway ... 80	1011.0	-10	SSW	3	20	45	32	7	5	7	-	-	-	1003.0	-42	SSW	6	20	49	35	7	5	7	-	7-8	10	1500	1	47	40	35	0.3	0.1	0.0		
15	Dalwhinnie ... 1176	1011.0	-10	SSW	3	20	45	32	7	5	7	-	-	-	1003.0	-42	SSW	6																			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Thursday 5th December 1940.
No. 28,868

OBSERVATIONS at 13h. G.M.T. 4th December														OBSERVATIONS at 18h. G.M.T. 4th December														PAST 24 HOURS.									
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.											
				Dir.	Force. 0-12					Low.	Med.	High.			Low.	Med.					High.	Low.	Med.			High.	Low.	Med.	High.	7h.—13h. 4h.	13h.—18h. 4h.	18h. to 1h. 5h.	1h.—7h. 5h.				
1	London (Kew)...	1018.0	-14	SWW	4	Z	49	85	6	5	3	-	7.8	9	2000	1016.0	-18	SWW	4	Z	49	85	6	5	-	10	10	1500	1	*	cm	cm	cm	cm	cm	cm	
	Croydon ...	1019.7	-14	SSW	2	C	50	85	6	2	-	1	7.8	7.8	2500	1016.1	-22	SW	3	Z	48	85	5	5	-	9	9	2000	0	*	cm	cm	cm	cm	cm	cm	
	S. Farnborough	1020.3	-14	SW	4	C	49	85	7	5	-	1	8	8	2000	1016.7	-2	SW	5	Z	49	85	6	5	7	-	7.8	10	2000	1	*	cm	cm	cm	cm	cm	cm
	Boscombe Down	1020.3	-14	WS	4	C	49	87	8	5	-	1	8	8	2000	1016.3	-20	SW	5	Z	49	82	7	5	7	-	7.8	10	1800	1	*	cm	cm	cm	cm	cm	cm
	Calshot (Soton.)	1020.7	-12	WSW	2	C	52	85	7	4	3	1	2.8	7.8	2000	1017.6	-20	WS	5	C	51	82	6	5	-	10	10	2000	1	3	cm	cm	cm	cm	cm	cm	
	Lympne	1020.1	-20	WSW	3	C	50	87	7	2	6	-	3	3	1600	1017.3	-28	SW	3	Z	48	82	6	5	-	9	9	1800	1	3	cm	cm	cm	cm	cm	cm	
	Manston	1018.6	-20	SWW	3	C	50	87	7	2	6	-	3	3	1600	1015.9	-34	SWW	4	Z	47	82	6	5	3	-	7.8	9	2000	1	3	cm	cm	cm	cm	cm	cm
2	Shoeburyness	1019.4	-10	SWW	2	C	49	82	5	8	4	-	7.8	7.8	2500	1015.7	-24	SWW	3	C	48	85	5	5	-	9	9	2500	1	*	cm	cm	cm	cm	cm	cm	
	Felixstowe	1018.7	-16	SWW	3	Z	49	82	5	4	-	1	7.8	7.8	2500	1014.8	-30	SWW	4	Z	47	85	5	5	7	-	4.6	9	3000	1	3	cm	cm	cm	cm	cm	cm
	Gorleston	1017.8	-10	SWW	3	Z	47	82	5	3	-	1	4.6	4.6	1800	1012.7	-32	SW	4	C	47	85	5	5	-	9	9	1800	1	2	cm	cm	cm	cm	cm	cm	
	Mildenhall	1017.8	-18	SW	4	Z	48	85	6	5	3	-	2.8	7.8	3000	1013.0	-28	SW	4	Z	48	82	6	5	2	-	9	10	2100	1	*	cm	cm	cm	cm	cm	cm
	Cranwell	1016.4	-20	WSW	5	Z	49	85	6	5	7	-	4.6	9	2500	1010.6	-30	WSW	5	10	49	85	6	5	7	-	7.8	9	2500	0	*	cm	cm	cm	cm	cm	cm
3	Birmingham	1016.6	-12	S	2	C	47	85	6	6	7	-	4.6	10	800	1012.3	+14	SW	3	rr	48	82	6	6	2	-	7.8	10	1800	1	*	cm	cm	cm	cm	cm	cm
	Upper Heyford	1018.5	-10	SW	5	id	47	82	6	5	2	-	9	10	500	1014.7	-10	SWW	5	C/d	47	85	6	5	2	-	9	10	1200	1	*	cm	cm	cm	cm	cm	cm
4	Ross-on-Wye	1017.6	-20	SSW	3	C	50	85	7	5	4	1	7.8	9	2500	1013.5	-20	SSW	4	id	51	82	6	6	2	-	9	10	1500	1	*	cm	cm	cm	cm	cm	cm
5	Hartland Point	1018.0	-20	WSW	4	id	50	87	5	5	-	-	10	10	800	1015.8	0	W	5	id	51	87	5	5	-	10	10	600	1	4	ps	ps	ps	ps	ps	ps	
	Bristol ...	1018.8	-14	SWW	3	id	49	82	6	6	2	-	9	10	800	1015.5	+14	SWW	5	id	49	82	5	5	-	10	10	400	1	4	ps	ps	ps	ps	ps	ps	
	Portland Bill	1021.2	-8	W	4	id	51	82	8	6	4	-	7.8	9	2500	1017.2	-18	WSW	6	id	50	82	7	5	-	10	10	2500	1	4	ps	ps	ps	ps	ps	ps	
	Plymouth	1022.1	-10	W	4	C	51	82	7	8	-	1	3	9	1200	1019.0	-16	WS	6	id	51	87	2	6	-	10	10	1500	1	3	ps	ps	ps	ps	ps	ps	
	The Lizard	1022.6	-10	WS	5	C	52	82	8	8	2	-	7.8	9	1500	1019.5	-16	WSW	6	id	52	87	2	6	-	10	10	1500	1	4	ps	ps	ps	ps	ps	ps	
	Scilly (St. Mary's)	1022.3	-10	SWW	4	C	52	87	8	8	7	-	4.6	10	2200	1019.9	-10	WSW	5	id	52	87	4	5	-	10	10	500	1	3	ps	ps	ps	ps	ps	ps	
	Guernsey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Pembroke	1018.3	-10	SWW	5	id	51	82	7	8	2	-	7.8	10	2000	1015.1	-6	WSW	5	C	51	82	7	8	-	7.8	7.8	2000	1	3	ps	ps	ps	ps	ps	ps	
7	Holyhead	1014.1	-22	SSW	3	rr	50	45	5	6	2	-	7.8	10	450	1012.1	-6	WSW	7	C/pr	50	45	7	8	-	10	10	1800	1	4	ps	ps	ps	ps	ps	ps	
	Chester (Sealand)	1015.0	-24	SW	3	C	52	75	8	5	7	-	7.8	9	2000	1010.9	-10	W	6	og	51	75	7	5	-	10	10	1800	1	*	cm	cm	cm	cm	cm	cm	
8	Manchester	1014.7	-20	SSW	3	id	50	85	6	5	3	-	7.8	9	3200	1010.5	-20	WS	5	C/pr	50	85	5	5	-	4.6	10	1500	1	*	cm	cm	cm	cm	cm	cm	
10	Spurn Head	1013.0	-16	SSW	3	C	47	82	6	5	3	-	4.6	9	2400	1008.8	-16	SW	4	C	47	82	6	5	2	-	2.3	9	2500	0	3	C	C	C	C	C	C
	Catterick	1011.1	-34	WSW	4	C	50	75	7	5	-	-	9	9	2000	1006.1	-28	NW	2	C/d	51	85	6	5	1	-	7.8	10	1800	1	*	cm	cm	cm	cm	cm	cm
	Tynemouth	1012.0	-28	SW	4	C	50	75	6	8	3	-	4.6	7.8	2000	1006.3	-16	NW	4	rr	47	82	6	5	2	-	10	10	2000	1	2	oc	oc	oc	oc	oc	oc
11	St. Abbs Head	1008.2	-58	WSW	6	C	49	75	8	4	5	4	4.6	7.8	2500	1002.0	-22	WSW	6	C	45	65	7	5	5	-	4.6	7.8	2500	1	2	C	C	C	C	C	C
	Leuchars	1004.5	-40	SW	4	C	48	82	7	5	-	-	9	9	1200	1002.4	0	W	3	C	45	75	5	5	3	-	2.3	7.8	2500	1	*	cm	cm	cm	cm	cm	cm
12	Renfrew (Abbots L.)	1006.8	-34	SW	4	id	50	87	5	5	-	-	10	10	1000	1005.4	-2	WSW	3	C/pr	41	82	7	5	1	-	7.8	9	800	1	*	rr	rr	rr	rr	rr	rr
	Eskdalemuir	1007.6	-40	WSW	7	id	46	82	4	-	2	-	10	10	2200	1004.6	-6	WSW	5	C	43	75	7	5	-	7.8	7.8	1500	1	*	id	id	id	id	id	id	
	Point of Ayre	1010.5	-32	WS	5	id	50	87	7	6	2	-	4.6	10	1500	1008.4	-2	NW	6	C	27	82	7	5	-	7.8	7.8	1500	1	4	id	id	id	id	id	id	
13A	Tiree	1006.7	-4	WNW	4	C	48	75	7	5	-	-	9	9	1800	1005.0	-2	NW	6	bc	42	75	8	8	3	-	4.6	4.6	1800	0	5	rr	rr	rr	rr	rr	rr
13B	Stornoway	1002.0	0	WNW	5	rr	48	85	7	5	7	-	7.8	9	1500	1002.7	+4	WNW	4	C/rs	42	82	7	8	7	-	7.8	9	1500	1	2	C	C	C	C	C	C
15	Dalwhinnie	*	-28	WSW	2	C	48	85	8	5	4	-	7.8	9	1500	*	-6	WSW	3	C	36	85	7	5	4	-	2.3	7.8	1500	1	*	C	C	C	C	C	C
	Aberdeen	1003.2	-4	SW	4	C	47	85	6	7	-	-	2.3	9	1500	1001.2	-6	WNW	3	bc	44	85	7	5	7	-	4.6	4.6	2500	1	1	C	C	C	C	C	C
	Wick	1000.0	-30	SW	4	C/pr	47	82	8	5	2	-	7.8	10	2000	999.4	-2	WNW	4	rr	40	85	7	5	1	-	7.8	9	800	1	2	C	C	C	C	C	C
16	Lerwick	996.4	-52	S	6	C	46	87	6	6	2	-	7.8	10	800	995.6	-2	NW	5	C/pr	44	75	7	5	7	-	7.8	10	800	1	*	C	C	C	C	C	C
17	Blacksod Point	1013.6	0	W	6	C	49	85	7	5	-	-	10	10	1150	1015.1	+16	W	7	C	42	85	7	5	-	4.6	4.6	800	1	4	C	C	C	C	C	C	
18	Malin Head	1008.8	-4	NW	4	C	47	75	7	4	1	-																									

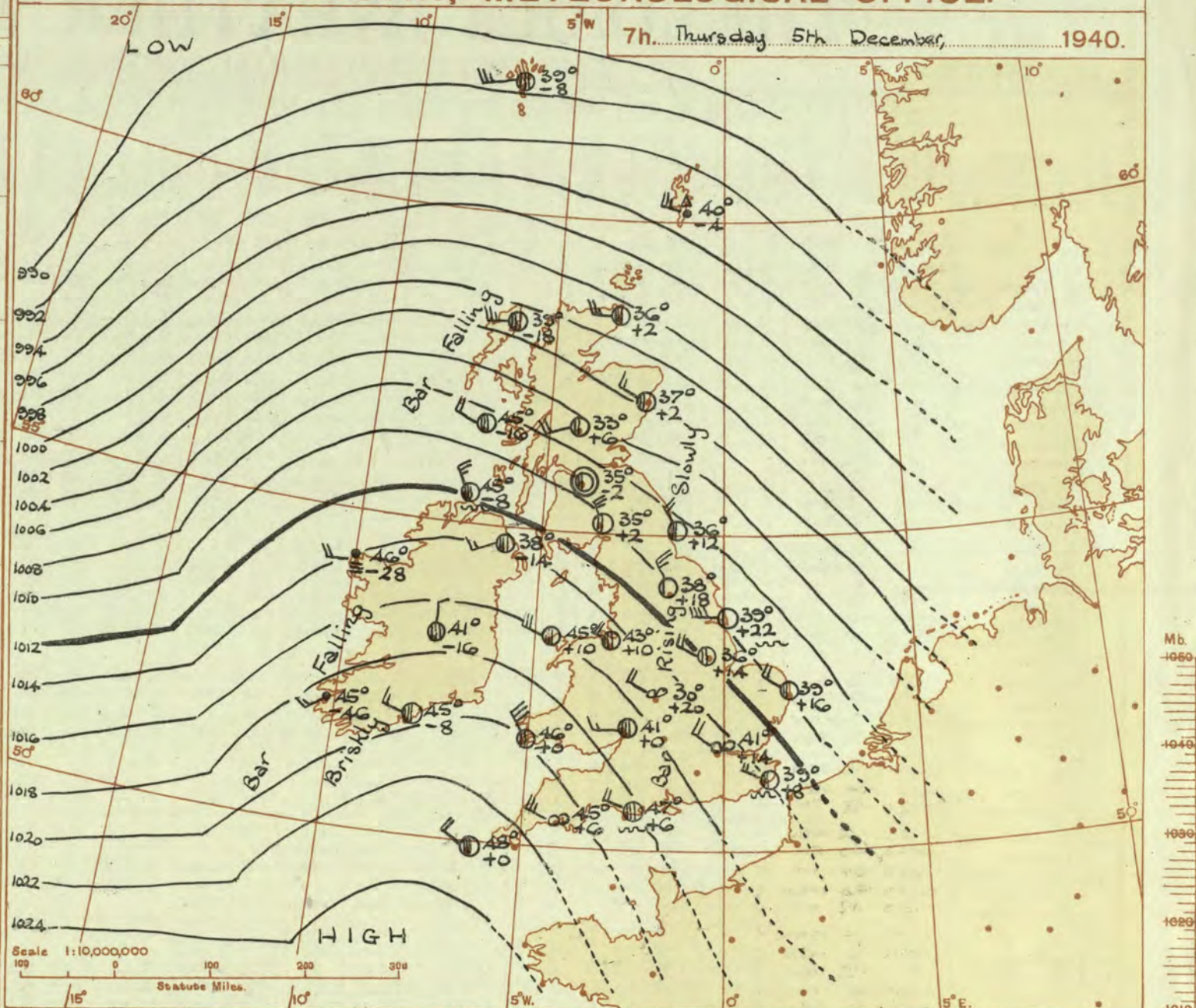
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 4th December, 1940				18h. G.M.T.				01h. G.M.T. 5th December, 1940				07h. G.M.T.			
III	C ₁	wwVhN _h	DDFWN	C ₂	C ₃	wwVhN _h	DDFWN	C ₁	C ₂	wwVhN _h	DDFWN	C ₁	C ₂	wwVhN _h	DDFWN
109	57	61744	22466					30	27844	26464		8-	81755	57585	
115	52	81734	51887	87		89734	61687	87	88844	61685		87	88734	57685	
203															
206	57	10855	25367	81		81755	25267	8-	81854	24484		80	26853	51883	
210	5-	62847	22467	5-		25855	22465	8-	01853	22583		8-	81846	26516	
220															
230	57	22746	21358	8-		25748	31488	30	85743	33653		80	25743	24383	
245	53	02746	21427	5-		02866	28266	50	00963	24223		20	00951	59401	
260	5-	52637	18467	54		01764	24314	50	00761	22311		00	00830	24400	
277				8-		81748	24688	8-	88846	59786		8-	02857	26587	
279															
285	2-	61637	24527	23		61635	24667					20	26744	24684	
288	57	02744	19428	52		21556	18228	54	05651	55562		00	00790	58400	
273	53	63544	28288												
301	57	62664	20268					80	05655	55585		80	-5754	59484	
321	57	05564	20327	52		21656	20468	03	25690	58682		04	00930	60481	
290				5-		05548	20328	50	01743	25613					
292	57	05547	19157	52		21645	19358	86	02754	58415		04	00830	26301	
310	--	02636	24420									--	01534	04574	
316	57	02564	19247	5-		61648	22368	80	01633	26483		84	01652	26483	
333	5-	64628	20568					20	00858	60682		--	02555	20227	
334	--	03745	20327												
340	53	02966	18327					50	01853	50583		86	25853	26084	
136				52		61647	20468	8-	01865	57785		86	01752	57612	
336	43	02753	24515									34	02753	28415	
350	53	05565	18326									50	01764	24514	
368															
379	5-	41538	22348	5-		21638	22468	50	01743	61603		50	01753	28303	
390				53		47334	20247	50	00751	24501					
382	53	21755	22457	5-		61746	22268	50	01762	58112		56	01863	25403	
438	8-	02755	24415												
430				5-		02643	22328	50	25654	26586		5-	02755	28425	
409	63	21726	20587	6-		57208	23668	50	05645	63565		5-	05645	62515	

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.
C₁, C₂ = Form of low and medium cloud—See page 1.
V = Visibility. P = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 5th December, 1940.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 5th December, 1940

1 S.E. England	Fresh, squally N.W. wind, strong in exposed places, backing W.-S.W. later; fair at first, cloudy, with rain later today, becoming fair again during night; rather cold at first, temperature rising a little.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh or strong W.-S.W. wind, gale on coast and in exposed places; cloudy, some rain today; fair apart from local showers tonight; average temperatures.
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.	Fresh or strong W.-S.W. wind, gale on coast and in exposed places; mainly cloudy, rain at times; average temperature.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	Fresh or strong W.S.W. wind; mainly cloudy, rain at times; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 5-8.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, 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, followed by a vigorous trough of low pressure to west of Ireland, and another disturbance to S.W. of Iceland. Weather will be fair and cold at first in Great Britain, with local rain and hail showers in the North. More general rain accompanied by rising temperatures will spread from the west to all districts by evening, & will be followed by a brief mainly fair interval.

FURTHER OUTLOOK.

Unsettled; rain & strong winds in most districts
Warning of S.W.-W. gale issued at 0530h 4th Dec. in district 16; at 2235h 4th Dec. in districts 6 (part) 7, 8, 12, 13, 17, 18, 19 (part), 20 (part); at 0220h 5th Dec. in districts 2, 10; at 0815h 5th Dec. in districts 1, 5, 6 (part), 10 (part), 20 (part).

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, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of

Tuesday 5th December
1940.

RUSSIAN OBSERVATIONS
NOT RECEIVED

WASHINGTON UNREADABLE

HIGH

HIGH

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

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded.

☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡ Hail.

☁ Fog. ⚡ Mist. ⚡ Thunder. ⚡ Thunderstorm. ☁ Slight haze. ☁

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

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. 5th December, 1940.														OBSERVATIONS at 7 hr. G.M.T. 5th December, 1940.														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.		SUN-SHINE 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	0-9		0-10	0-10	0-10
1	London (Kew) ... 18	217	1013.1	+16	W	3	bc	45	65	5	1	1	2000	1015.8	+12	W	4	bc	41	65	6	5	1	1	4.6	4.6	2500	1	4	49	40	33	-	1	1.0		
	Croydon ... 217	1013.1	+16	W	3	bc	45	65	5	5	1	1	2000	1015.9	+14	WNW	4	bc	41	65	6	5	3	1	2.3	4.6	2000	1	4	52	39	34	-	1	1.7		
	S. Farnborough ... 226	1014.8	+14	WNW	4	bc	43	75	7	5	8	4.6	7.8	2000	1016.9	+12	W	5	c	41	65	7	5	5	5	9	-	1	50	40	39	Tr	0.3	0.6			
	Boscombe Down ... 417	1015.6	+14	WNW	4	bc	43	75	8	5	3	2.3	4.6	2500	1017.7	+6	NW	5	c	43	65	7	5	5	9	9	3500	1	4	53	42	40	Tr	2	1.0		
	Calshot (St. Mary's) ... 8	1016.0	+18	WNW	4	bc	46	65	7	5	3	2.3	4.6	2500	1015.1	+8	WNW	4	c	39	75	7	5	3	4.6	7.8	4000	1	4	52	39	34	0.2	3	1.5		
	Lymington ... 346	1012.9	-10	W	5	bc/pr	45	85	7	5	8	4.6	4.6	2500	1013.4	+10	WNW	4	c	41	65	6	5	7	2.3	7.8	2500	1	4	52	39	34	0.2	3	1.5		
	Manston ... 154	1010.3	-6	WNW	7	bc	46	65	6	5	2.3	2.3	2000	1014.2	+10	WNW	5	bc	40	65	7	5	5	1	1	4.6	4000	1	4	51	40	34	Tr	2	1.6		
2	Shoeburyness ... 11	1009.9	-2	WNW	6	bc	46	65	7	2	6	Tr	Tr	2000	1011.4	+6	WNW	6	bc	40	75	8	5	7	Tr	4.6	5000	1	3	49	39	36	-	1	0.6		
	Felixstowe ... 15	1007.3	-8	WNW	5	bc	43	75	6	4	2.3	2.3	2500	1009.6	+16	WNW	4	bc	39	75	7	1	5	2.3	2.3	1500	1	3	50	38	35	-	4	0.5			
	Gorleston ... 5	1007.3	-8	WNW	5	bc	43	75	6	4	2.3	2.3	2500	1012.0	+14	WNW	5	b	37	85	8	5	5	1	1	3000	1	4	50	37	30	Tr	2	0.9			
	Mildenhall ... 19	1009.6	+10	WNW	6	bc	42	75	7	5	2.3	2.3	2500	1012.7	+14	WNW	5	bc	36	85	7	5	4	2	0	2.3	-	1	51	35	33	Tr	2	0.9			
	Cranwell ... 240	1009.9	+8	WNW	5	bc	41	65	6	5	2.3	2.3	2500	1015.1	+20	WNW	4	bc	30	65	5	5	1	1	4.6	4000	1	4	49	38	33	Tr	1	6.0			
3	Birmingham ... 535	1013.7	+10	WNW	5	bc	42	65	7	3	6	2.3	4.6	2000	1015.8	+16	WNW	5	bc	38	65	8	5	5	0	2.3	-	1	49	37	31	0.1	1	0.6			
4	Ross-on-Wye ... 223	1013.7	+10	WNW	5	bc	42	65	7	3	6	2.3	4.6	2000	1016.8	0	W	3	c	41	65	8	5	1	7	0	-	1	52	39	35	Tr	2	0.6			
5	Hartland Point ... 299	1019.4	+12	NW	5	c	47	65	7	5	2	7.8	10	1500	1019.8	-6	NW	5	bc	46	65	8	5	5	4.6	4.6	2500	1	4	52	45	42	1	1	0.0		
	Bristol ... 209	1016.6	+12	WNW	4	bc	43	75	8	2	6	2.3	2.3	2400	1018.3	+2	WNW	3	c	41	75	8	8	5	7.8	7.8	2800	1	4	51	40	36	0.4	2	0.1		
	Portland Bill ... 32	1017.5	+16	WSW	5	c	50	92	7	5	1	10	10	2500	1019.0	+6	WNW	4	c	47	92	8	5	7	4.6	7.8	2500	1	4	51	46	40	0.2	0.4	0.2		
	Plymouth ... 82	1020.4	+8	W	6	c	48	75	6	5	1	4.6	7.8	800	1021.2	+6	WNW	5	bc	45	75	6	5	5	2.3	2.3	2000	0	3	52	44	40	-	1	0.2		
	The Lizard ... 240	1022.1	+12	NW	6	c	49	75	7	8	2	7.8	9	1500	1022.9	+6	NW	4	bc	47	65	8	8	5	4.6	4.6	2500	1	3	52	44	40	-	0.5	0.6		
	Scilly (St. Mary's) ... 163	1023.0	+6	NW	6	c/r	49	75	7	5	2	4.6	10	1500	1023.3	0	NW	4	c	48	75	8	8	4	2.3	7.8	1800	1	3	52	47	40	0.3	Tr	0.0		
	Guernsey ... 175	1023.0	+6	NW	6	c/r	49	75	7	5	2	4.6	10	1500	1023.3	0	NW	4	c	48	75	8	8	4	2.3	7.8	1800	1	3	52	47	40	0.3	Tr	0.0		
6	Pembroke ... 142	1019.4	+8	WNW	7	cq	46	65	7	8	2	4.6	9	2000	1020.2	0	NW	6	bc	46	55	7	5	7	2.3	4.6	2500	1	3	52	45	41	-	1	0.0		
7	Holyhead ... 26	1014.0	+10	WNW	8	c	44	92	8	2	6	7.8	7.8	2200	1015.7	+10	WNW	6	c	45	85	8	8	1	7.8	10	2700	1	5	52	42	41	Tr	3	0.3		
	Chester (Sealand) ... 16	1012.5	+10	WNW	6	bc	43	75	7	3	6	4.6	4.6	2500	1014.9	+10	WNW	4	c	43	65	7	1	1	1	9	3500	1	4	53	41	36	Tr	3	0.3		
8	Manchester ... 70	1011.1	+10	WNW	5	bc/pr	41	75	6	8	2	4.6	4.6	1800	1014.2	+14	WNW	3	bc/pr	38	85	6	8	5	2.3	2.3	2500	2	4	51	36	33	2	5	0.8		
10	Spurn Head ... 29	1005.0	-2	SW	7	bc	41	85	7	4	4	4.6	4.6	1008.3	+22	W	8	bc	39	75	7	5	5	0	0	-	0	0	4	48	39	33	Tr	0.1	0.8		
	Catterick ... 175	1007.3	+10	WNW	5	bc	39	75	7	5	4	0	0	-	1009.9	+18	NW	5	b	38	75	8	5	5	0	0	-	0	1	51	38	33	0.2	1	0.1		
	Tynemouth ... 108	1005.5	+8	NW	6	bc	38	85	7	2	4	2.3	2.3	2000	1008.7	+12	NW	4	bc	36	85	7	2	4	2.3	2.3	3200	1	2	51	35	32	3	1	0.1		
11	St. Abbs Head ... 280	1003.1	+6	WNW	7	bc	39	65	7	4	4	2.3	4.6	2500	1006.3	+10	WNW	7	bc	37	75	8	4	5	1	1	2500	0	3	49	37	30	1	-	0.0		
	Leuchars ... 36	1004.1	+12	WNW	5	bc	38	75	7	5	4	2.3	4.6	3200	1006.5	+6	W	5	b	37	75	8	2	7	0	0	-	1	49	36	32	0.3	0.3	0.0			
12	Renfrew (Abbots L.) ... 19	1008.5	+23	WNW	4	PR	36	97	7	8	2	9	9	1500	1010.0	-2	W	0	bc	35	92	7	2	7	Tr	4.6	2000	1	4	49	34	30	2	4	0.0		
	Eakdalemuir ... 794	1008.5	+23	WNW	4	PR	36	97	7	8	2	9	9	1500	1009.3	+2	WNW	5	b	35	75	8	5	4	1	Tr	1	2500	4	4	47	33	31	5	6	0.0	
	Point of Ayre ... 30	1010.4	+12	NW	8	bc	42	85	8	8	2	4.6	4.6	2500	1012.9	+6	NW	6	c	43	92	8	4	2	1	10	2500	1	4	50	39	33	3	3	0.0		
13a	Tiree ... 22	1004.2	+12	NW	5	c	37	85	7	9	2	9	9	2000	1008.2	-16	WNW	4	c	45	65	7	8	5	2.3	7.8	1500	0	5	50	37	30	2	1	0.0		
13b	Stornoway ... 80	1004.2	+12	NW	5	c	37	85	7	9	2	9	9	2000	1009.8	-18	W	5	c	39	75	8	8	5	7.8	7.8	1500	1	2	50	35	30	4	3	0.0		
15	Dalwhinnie ... 1176	1004.2</																																			

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 6th December, 1940.
No. 28,869.

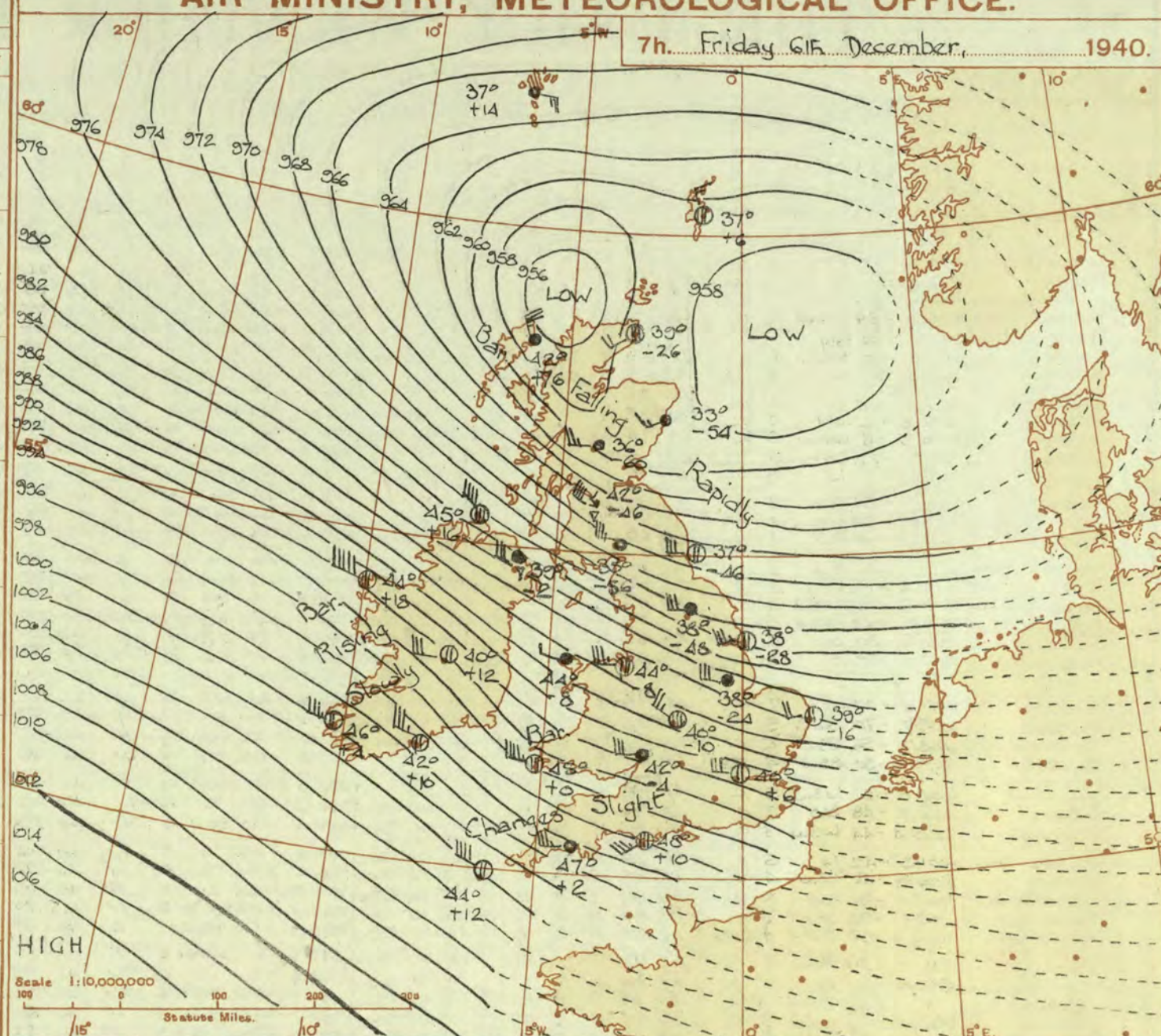
OBSERVATIONS at 13h. G.M.T. 5th December														OBSERVATIONS at 18h. G.M.T. 5th December														PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. m (8)	Cloud.			Barom. 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.										
				Dir. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)			Dir. (17)	Force (18)					Form. (23)	Amount (24)	Height of Base (feet) (28)			7h.—18h. .....5th (37)	13h.—18h. .....5th (38)	18h.—5th 1h.—6th (39)	1h.—7h. .....6th (40)							
1	London (Kew)...	1014.3	-16	WSW	3	Zo	43	65	6	5	1	2-3	9+	800	1002.5	-88	SW	4	10	43	85	6	5	-	10	10	1500	1	*	bccmo	cm	cm	cm	cm		
	Croydon ...	1015.2	-14	W	2	Zo	43	75	6	-	7	-	0	9+	1004.2	-74	W	2	10	41	82	5	5	-	10	10	3000	1	*	bccz	cm	cm	cm	cm		
	S. Farnborough	1014.8	-22	WSW	4	Zo	44	65	7	-	5	7	0	10	1003.7	-82	SSW	4	10	43	85	6	5	-	10	10	2500	1	*	cbcc	cm	cm	cm	cm		
	Boscombe Down	1014.0	-34	WSW	4	Zo	43	75	8	-	7	-	0	9	1003.0	-86	SSW	6	10	43	87	6	5	2	-	10	10	1800	1	*	cbcc	cm	cm	cm	cm	
	Calshot (Soton.)	1015.8	-28	WN	2	Zo	45	65	8	-	7	8	0	9+	1004.5	-78	SW	7	10	47	85	7	5	7	-	7-8	10	800	1	3	cbcc	cm	cm	cm	cm	
	Lympe ...	1015.6	-10	WNW	3	Zo	42	65	7	5	7	10	2500	1007.5	-60	SW	2	10	40	85	6	5	-	2	-	10	10	3000	1	*	bcc	cm	cm	cm	cm	
	Manston ...	1013.5	-14	W	4	Zo	43	65	6	-	6	0	9	-	1005.3	-60	SSW	3	10	40	85	6	5	7	-	7-8	10	3000	1	*	bccmo	cm	cm	cm	cm	
2	Shoeburyness ...	1013.7	-10	W	3	bc	46	55	7	-	3	0	2-3	-	1006.0	-54	SW	3	10	42	85	6	5	2	-	9+	10	2500	1	*	bcc	cm	cm	cm	cm	
	Felixstowe ...	1012.5	-6	WN	4	bc	44	65	7	1	-	1	2-3	3000	1004.1	-60	SW	5	10	42	75	6	5	-	7	-	0	10	-	1	3	bcc	cm	cm	cm	cm
	Gorleston ...	1010.9	-8	WNW	3	bc	43	75	6	5	-	4-6	4-6	2500	1003.1	-60	SW	5	10	41	75	6	5	-	9+	9+	2500	1	2	bcc	cm	cm	cm	cm		
	Mildenhall ...	1011.5	-22	W	5	Zo	43	75	6	-	3	8	0	7-8	1001.3	-78	SSW	5	10	42	75	6	5	2	-	10	10	2500	1	*	bcc	cm	cm	cm	cm	
	Cranwell ...	1011.2	-2	W	3	Zo	41	75	6	-	3	0	7-8	-	998.0	-38	SSW	4	10	43	85	6	5	-	-	10	10	2500	1	*	bcc	cm	cm	cm	cm	
3	Birmingham ...	1011.1	-34	SW	3	c	41	75	7	-	7	2	0	10	-	997.8	-78	SW	5	10	41	82	6	5	-	10	10	800	1	*	bcc	cm	cm	cm	cm	
	Upper Heyford	1013.7	-24	WSW	4	c	42	75	7	1	7	10	-	1001.0	-84	SW	5	10	41	82	6	5	2	-	7-8	10	1000	1	*	bcc	cm	cm	cm	cm		
4	Ross-on-Wye ...	1012.4	-40	SW	4	c	44	65	7	5	1	8	10	-	997.8	-34	SSW	5	10	43	85	6	5	-	-	10	10	1500	1	*	cbcc	cm	cm	cm	cm	
5	Hartland Point	1013.1	-56	SW	5	c/pr	48	75	8	8	2	4-6	9+	1200	998.1	-88	SW	8	10	45	87	6	5	-	2	-	10	10	800	1	4	bcc	cm	cm	cm	cm
	Bristol ...	1014.2	-34	WS	4	c	44	75	7	5	2	4-6	10	1300	999.7	-100	SW	6	10	45	82	6	5	-	2	-	10	10	1000	1	*	bcc	cm	cm	cm	cm
	Portland Bill ...	1018.3	-28	WSW	4	c	48	75	8	5	-	10	1000	1003.1	-70	SW	5	10	48	82	7	5	-	-	10	10	2500	1	4	bcc	cm	cm	cm	cm		
	Plymouth ...	1016.5	-44	WSW	5	Zo	49	75	7	6	7	2-3	10	2000	1003.5	-90	SW	8	10	50	87	4	6	-	-	10	10	300	1	4	bcc	cm	cm	cm	cm	
	The Lizard ...	1016.8	-50	SW	6	10	47	75	8	5	2	9	9	1500	1003.8	-40	WS	7	10	53	87	6	5	-	-	10	10	1000	1	4	bcc	cm	cm	cm	cm	
	Scilly (St. Mary's)	1016.0	-52	S	6	c/r	46	75	7	6	2	9	10	1500	1004.3	-54	WS	6	10	53	87	6	5	2	-	7-8	9+	800	1	3	bcc	cm	cm	cm	cm	
	Guernsey ...	1016.0	-52	S	6	c/r	46	75	7	6	2	9	10	1500	1004.3	-54	WS	6	10	53	87	6	5	2	-	7-8	9+	800	1	3	bcc	cm	cm	cm	cm	
6	Pembroke ...	1011.4	-44	SW	7	rr	48	75	7	8	2	7-8	10	2000	998.8	-84	WS	8	10	52	87	6	5	-	-	9+	9+	1000	1	4	bcc	cm	cm	cm	cm	
7	Holyhead ...	1007.7	-70	SW	5	rr	45	75	7	5	2	7-8	10	1800	999.9	-82	SW	6	10	49	87	5	5	2	-	7-8	10	900	1	4	bcc	cm	cm	cm	cm	
	Chester (Sealand)	1008.7	-56	SSW	2	c	45	65	7	5	2	10	1000	999.1	-122	SSW	4	10	44	85	7	5	7	-	7-8	10	2500	1	*	bcc	cm	cm	cm	cm		
8	Manchester ...	1008.5	-50	SSW	4	Zo	43	65	6	-	7	0	10	-	993.2	-110	SE	4	10	42	82	5	6	2	-	7-8	10	1200	1	*	bcc	cm	cm	cm	cm	
10	Spurn Head ...	1008.0	-12	WSW	5	c	42	85	6	1	2	0	9+	-	996.0	-48	SSW	6	10	40	85	6	5	-	-	10	10	800	0	4	bcc	cm	cm	cm	cm	
	Catterick ...	1005.7	-48	SW	3	c	42	85	8	5	7	1	10	2500	996.6	-88	S	4	10	39	82	4	6	2	-	9+	10	1400	1	*	bcc	cm	cm	cm	cm	
	Tynemouth ...	1005.2	-44	WSW	3	c	41	85	6	5	-	9+	9+	3200	996.4	-80	SSW	4	10	40	85	6	5	-	-	10	10	2800	1	2	bcc	cm	cm	cm	cm	
11	St. Abbs Head	1001.5	-42	W	5	c	38	75	8	4	7	2-3	9+	2500	993.3	-86	S	7	10	38	82	7	5	2	-	7-8	10	2000	1	4	bcc	cm	cm	cm	cm	
	Leuchars ...	1000.8	-46	SSW	4	Zo	39	85	5	5	7	2-3	10	3500	991.4	-130	S	5	10	40	82	5	5	2	-	7-8	10	1600	1	*	bcc	cm	cm	cm	cm	
12	Renfrew (Abbots L.)	1002.1	-54	SW	3	10	43	85	7	5	2	10	2500	997.7	-130	SW	4	10	46	82	4	6	2	-	9+	10	800	2	*	bcc	cm	cm	cm	cm		
	Esksdalemuir ...	1003.1	-52	SW	3	10	37	85	8	5	2	10	10	*	991.0	-104	SW	6	10	41	87	6	5	-	-	10	10	450	1	*	bcc	cm	cm	cm	cm	
	Point of Ayre ...	1004.7	-58	SW	4	10	44	85	8	5	2	4-6	10	2500	995.0	-120	WSW	7	10	48	87	7	8	2	-	7-8	10	1500	1	4	bcc	cm	cm	cm	cm	
13A	Tiree ...	999.1	-100	SSW	7	rr	42	97	7	1	2	10	10	1500	979.1	0	WNW	8	10	45	75	8	8	-	-	7-8	7-8	1500	1	5	bcc	cm	cm	cm	cm	
13B	Stornoway ...	991.5	-80	SW	6	pr	44	85	6	5	-	10	10	1000	972.4	-40	W	6	10	42	82	7	8	7	-	4-6	4-6	1500	1	3	bcc	cm	cm	cm	cm	
15	Dalwhinnie ...	997.0	-76	WSW	4	20	37	85	7	5	2	4-6	10	1500	981.1	-118	SW	5	10	40	85	6	6	2	-	7-8	10	1500	1	2	bcc	cm	cm	cm	cm	
	Aberdeen ...	994.5	-52	SW	3	c	39	75	6	5	7	1	9+	2500	976.3	-130	S	7	10	40	82	7	8	2	-	7-8	10	1500	1	3	bcc	cm	cm	cm	cm	
	Wick ...	994.5	-52	SW	3	c	39	85	8	5	1	8	4-6	9+	2500	976.3	-130	S	7	10	40	82	7	8	2	-	7-8	10	1500	1	3	bcc	cm	cm	cm	cm
16	Lerwick ...	990.7	-34	WS	5	c	39	85	8	8	7	4-6	7-8	1500	979.2	-60	S	6	10	41	85	8	5	7	-	7-8	9	1500	1	*	bcc	cm	cm	cm	cm	
17	Blacksod Point...	996.0	-116	S	8	rr	47	97	6	6	-	10	10	<150	992.6	-4	W	8	10	4																

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 5th December 1940				01h. G.M.T. 6th December 1940				07h. G.M.T. 6th December 1940			
III	C _W	wwVhN	DDFWN	C _W	wwVhN	DDFWN	C _W	wwVhN	DDFWN	C _W	wwVhN
109	52	25744	19488	G-	66638	15668	8-	01743	56683	53	05651
115	52	28744	53587	52	62735	16488	87	88744	57785	52	83735
203											
206	57	02953	26387	62	64745	53468	80	26853	56483	9-	81748
210	57	02964	26426	62	61858	16568	8-	01854	50584	81	26955
220											
230	52	64642	26568	5-	02745	54715	80	25746	57783		
245	02	02720	21427	02	66448	48668	50	01744	55484	5-	81666
260	57	02763	18428	62	64644	18668	80	26754	24484	80	25644
277	62	61747	18668	67	22745	54667	80	25784	57884	8-	27746
279	5-	05658	53628								
285	8-	04748	26628	G-	63636	22766				G-	72638
288	02	02850	26328	52	61644	52428	8-	81647	24487	07	01800
273	42	64434	16768								
301	52	02795	23428	62	62685	16568	2-	25745	61785	87	25755
321	57	05551	21328	62	62645	50568	80	81644	50584	8-	81645
299	54	02745	24217	5-	62548	22668	5-	14648	57718	50	14648
292	57	02842	26428	02	62548	53468	8-	25744	57884	86	81746
310	--	02636	24426	--	57203	20668				--	02428
316	07	05650	18328	62	64435	48668	9-	81644	57785	8-	25645
333	62	64944	26568	62	64526	53668	20	25854	50884	--	25557
334	--	03754	26428							--	25557
340	12	02872	26428	G-	62648	16468	8-	81705	57668	8-	81755
136	03	05650	22528	5-	61668	18468	86	01864	24615	86	25855
336	15	02753	28425	62	63644	20668				92	02754
350	51	02874	19328								
368											
379	57	03664	22428				G-	62648	61768	50	05653
390	07	05650	26445	02	61558	20368	50	05642	53712	80	05653
382	07	02790	22328	02	61648	18568	50	01753	57403	80	81854
438	54	02763	26515							90	14745
430	07	02830	26427	5-	62648	20468	83	25647	93584	80	01744
409	52	62744	18468	G-	54618	40768	50	58868	98348	5-	05640

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_W = 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 6th December 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 6th December 1940
1 S.E. England	Westerly gale, veering north, severe in exposed places at first, decreasing slowly later, fine periods, occasional showers, hail and thunder locally; cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	West to northwest gale, severe in exposed places at first, decreasing slowly later; fine periods, showers hail and thunder locally; rather cold.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	WNW gale veering NW to north, severe at first, decreasing slowly later, frequent showers, hail and thunder at times, snow on high ground; cold.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	Wind variable becoming N-NE strong or gale; cloudy, rain or sleet at times, snow on high ground; cold.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 7-14.
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.
 An intense and complex depression centred over NE. Scotland is moving southeast. The northwest gales will continue and will be severe in many areas. Bright periods and showers will occur generally, with local hail and thunder, especially in the northwest. Snow will occur on the higher ground in the north.

FURTHER OUTLOOK.
 Gales slowly subsiding; fair in the west, showers in the east and north.
 Warning of W. to NW gale in operation all areas.

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.

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 6th December
1940.

Clarke's Projection Scale 1:4x10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (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.

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. 6th December															OBSERVATIONS at 7 hr. G.M.T. 6th December															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.			Barom. at M.S.L. mb. (29)	Sea. 0-9 (30)	TEMPERATURE.		RAINFALL.		SUN-SHINE Hrs. (36)												
					Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)			Low 0-10 (12)	Total 0-10 (13)					Height of Base. (feet) (14)	Direc. (17)	Force 0-12 (18)			Low. (23)	Med. (24)	High (25)	Low 0-10 (26)		Total 0-10 (27)	Height of Base. (feet) (28)	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)				
1	London (Kew) ... 18	987.1	-44	SW	4	47	85	5	5	9	9	1500	987.2	-4	WSW	5	20	41	65	8	5	5	4	6	2500	1	4	44	41	35	0.6	1	1.4										
	Croydon ... 217	987.1	-44	SW	4	47	85	5	5	9	9	1500	987.2	-4	WSW	5	20	41	65	8	5	5	4	6	2500	1	4	44	41	35	0.6	1	1.4										
	S. Farnborough ... 226	989.4	-22	WSW	5	46	75	7	5	1	1	5000	989.0	+6	W	6	40	75	7	5	5	5	4	6	3000	0	4	45	39	35	1	3	1.6										
	Boscombe Down ... 417	990.0	-22	W/N	6	46	75	6	8	1	1	1000	991.2	+2	W/N	7	40	75	8	3	5	5	4	6	2000	1	4	45	39	36	0.2	3	0.4										
	Calshot (Stmntn.) ... 8	990.5	-34	WNW	5	47	75	7	5	3	3	1500	991.7	+6	W/N	5	40	75	7	9	5	5	4	6	1000	1	3	44	39	35	0.2	4	0.1										
	Lympne ... 346	988.4	-50	WNW	6	46	85	5	5	5	5	1500	988.1	+4	W	5	40	65	7	7	5	5	4	6	2000	1	4	48	40	37	22	5	1.4										
	Manston ... 154	985.9	-46	W	5	49	85	6	5	2	2	800	985.3	-2	W	6	40	65	6	5	3	5	4	6	2500	1	4	43	39	34	Tr	6	2.6										
2	Shoeburyness ... 11	984.6	-92	W	6	47	75	7	5	7	7	3000	986.2	-4	W	5	40	65	7	5	5	5	4	6	4000	1	4	46	41	34	Tr	Tr	3.0										
	Felixstowe ... 15	984.6	-92	W	6	47	75	7	5	7	7	3000	986.2	-4	W	5	40	65	7	5	5	5	4	6	4000	1	4	46	41	34	Tr	Tr	3.0										
	Gorleston ... 5	983.1	-60	W	4	45	85	6	8	1	1	1500	979.6	-16	W	4	39	65	6	4	5	5	4	6	1500	1	2	44	38	33	-	6	1.6										
	Mildenhall ... 19	983.1	-39	W/N	6	45	75	7	5	5	5	1500	981.4	-14	W	7	40	75	7	8	5	5	4	6	2500	1	4	43	38	32	Tr	1	0.9										
	Cranwell ... 240	982.7	-14	NW	6	39	85	6	6	1	1	10	979.1	-24	W/N	6	38	85	6	6	5	5	4	6	1400	2	4	41	35	34	0.2	3	0.1										
3	Birmingham ... 535	988.0	-12	W	6	42	85	6	5	1	1	600	984.6	-6	W/N	6	38	75	8	3	4	5	5	4	6	1800	1	4	42	36	32	0.4	1	0.0									
4	Ross-on-Wye ... 223	988.7	-4	W	6	42	65	8	9	5	5	2500	988.7	-4	W	6	42	65	8	9	5	5	4	6	2500	1	4	45	40	36	1	0.5	0.3										
5	Hartland Point ... 299	994.1	-8	NW	6	45	8	8	8	7	7	1500	994.3	0	NW	6	46	65	8	8	5	5	4	6	1500	1	4	49	43	42	1	1	0.2										
	Bristol ... 209	991.8	-38	SW	6	49	92	7	5	1	1	2500	992.5	+10	SW	7	48	92	7	5	5	5	4	6	2500	1	5	50	46	39	0.5	4	0.0										
	Portland Bill ... 32	996.9	-22	W/N	8	49	75	7	2	1	1	1000	997.3	+2	W	7	47	65	7	2	5	5	4	6	2000	1	4	50	43	39	4	2	0.2										
	Plymouth ... 82	999.0	-8	WNW	8	48	85	7	8	2	2	1500	1000.1	0	WNW	8	47	75	7	6	5	5	4	6	2000	1	5	53	43	39	1	3	0.0										
	The Lizard ... 240	999.0	-20	NW	8	52	85	7	8	6	6	1500	1001.6	+12	NW	8	46	85	7	8	5	5	4	6	1500	1	4	53	44	39	1	3	0.0										
	Scilly (St. Mary's) ... 163	999.0	-20	NW	8	52	85	7	8	6	6	1500	1001.6	+12	NW	8	46	85	7	8	5	5	4	6	1500	1	4	53	44	39	1	3	0.0										
	Guernsey ... 175																																										
6	Pembroke ... 142	993.0	-2	W/N	8	46	65	7	8	1	1	1800	990.9	0	WNW	9	45	75	7	8	5	5	4	6	1500	1	4	54	42	39	2	3	0.0										
	Holyhead ... 26	986.0	-12	W/N	9	44	65	7	2	1	1	2500	982.2	-8	W/N	10	44	75	6	2	5	5	4	6	2800	1	6	50	41	39	7	0.1	0.0										
	Chester (Sealand) ... 16	984.5	-20	W/N	7	41	75	6	9	1	1	1200	981.0	-8	W	7	44	65	7	8	5	5	4	6	2500	1	4	43	37	34	1	5	0.0										
8	Manchester ... 70	983.0	-28	W/N	6	38	85	7	8	1	1	1500	978.7	-16	W	7	42	75	6	8	5	5	4	6	800	2	4	43	37	34	1	5	0.0										
10	Spurn Head ... 29	975.8	-18	W	8	41	85	7	5	1	1	2500	974.0	-28	WSW	7	38	85	7	8	5	5	4	6	2500	0	5	43	38	32	Tr	1	1.0										
	Catterick ... 175	979.5	-14	WNW	3	37	92	6	2	1	1	1300	970.5	-48	W	6	38	85	6	2	5	5	4	6	1500	1	4	42	34	32	0.3	6	0.0										
	Tynemouth ... 108	976.0	-20	WNW	6	42	85	7	2	1	1	2500	967.6	-46	W	6	37	85	7	2	5	5	4	6	2500	1	3	42	34	32	Tr	3	0.0										
11	St. Abbs Head ... 280	971.3	-22	W	8	36	85	8	4	4	4	2500	960.8	-82	W	7	35	92	7	5	2	5	4	6	2500	1	3	41	26	31	1	4	0.0										
	Leuchars ... 36	971.2	-20	W	6	37	85	6	8	1	1	2500	959.1	-84	SW	5	34	92	6	5	2	5	4	6	2500	2	4	41	33	31	3	3	0.0										
12	Renfrew (Abbots L.) ... 19	975.0	-30	W/N	5	37	75	6	8	1	1	1500	965.2	-46	NW	8	42	92	5	9	2	5	4	6	1000	4	4	46	33	32	10	19	0.0										
	Eskdalemuir ... 794												966.8	-56	W/N	7	35	92	6	2	5	4	6	1500	7	4	41	32	31	12	17	0.0											
	Point of Ayre ... 30	981.4	-24	WNW	8	41	85	8	5	1	1	2500	982.9	-20	WNW	8	44	85	7	8	2	5	4	6	1500	1	5	48	34	33	3	0.5	0.0										
13A	Tiree ... 22																																										
13B	Stornoway ... 80	964.3	-54	W	6	40	75	7	8	7	7	1500	959.5	+72	NNW	7	42	85	7	6	5	5	4	6	1000	1	4	43	36	33	14	5	0.0										
15	Dalwhinnie ... 1176												959.0	-60	W	5	36	92	5	5	5	5	4	6	800	7	4	37	31	29	6	0.2											
	Aberdeen ... 79												958.9	-54	SW	3	33	97	3	5	5	5	4	6	1500	4	2	40	33	30	2	2	0.3										
	Wick ... 81	964.8	-26	SW	2	34	85	5	5	1	1	1500	958.2	-26	SW	2	39	85	6	5	7	5	4	6	1500	1	2	42	33	30	2	2	0.3										
16	Lerwick ... 166	961.3	-60	SE	6	39	92	6	6	2	2	800	960.5	+6	NW	3	37	92	6	5	7	5	4	6	800	2	4	43	36	33	Tr	21	0.5										
17	Blacksod Point ... 18	987.9	-26	W/N	9	44	75	7	9	1	1	800	990.0	+18	WNW	9	44	75	7	9	5	5	4	6	800	1	7	52	40	35	6	5	0.0										
18	Malin Head ... 84	975.8	-40	NW	6	42	75	5	6	1	1	800	975.4	+16	NW	8	45	65	5	9	5	5	4	6	800	0	5	47	38	35	3	4	0.0										
	Aldergrove ... 268	980.6	-38	WSW	6	37	85	6	9	1	1	400	978.4	-2	WNW	6	39	85	7	9	5	5	4	6	1400	1	4	47	37	37	2	3	0.0										
19	Birr Castle ... 173	990.8	-16	W	7	41	75	8	5	1	1	1500	991.5	+12	W	6	40	75	8	3	5	5	4	6	1500	1	4	52	38	35	1	2	0.0										
20	Valentia Obby ... 30	1000.4	-4	WNW	8	45	75	8	3	1	1	2500	1000.5	+4	WNW	7																											

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Saturday 7th December 1940.
No. 23, 370.

OBSERVATIONS at 13h. G.M.T. 6th December.														OBSERVATIONS at 18h. G.M.T. 6th December.														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 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. 6th... (37)	13h.—18h. 6th... (38)			18h. to 7h. 7th... (39)	1h.—7h. 7th... (40)						
1	London (Kew)...	985.5	-4	W	6	c/r	45	45	8	2	4	-	7-8 3	2500	985.4	0	W'S	5	b	41	55	8	2	-	-	Tr	Tr	1500	1	*	bbscicy	cbeby	byb	bmo	
	Croydon ...	986.1	-6	W/N	4	bc	45	55	8	7	-	-	7-8 7-8	2500	985.7	+6	W	5	z	40	75	6	1	-	-	1	1	2000	0	*	bbsc	bemob	bmo	bmo	
	S. Farnborough	987.8	-6	W'S	7	bc	45	45	8	1	-	-	2-3 2-3	3000	987.0	-2	WSW	5	b	39	65	7	4	-	-	1	1	3000	1	*	bbscpry	beyb	*	bbsc, b, c.	
	Boscombe Down	990.1	-2	W/N	7	bcq	44	65	8	9	-	-	4-6 4-6	2000	988.1	-6	W/N	6	b	33	75	7	3	-	-	2-3 2-3	2000	1	3	bbscpry	beyb	bbsc	bbsc		
	Calshot (Soton.)	990.8	-6	WNW	7	bc	44	55	8	9	-	-	4-6 4-6	1500	989.0	-10	W/N	5	b/pr	40	85	8	9	-	-	2-3 2-3	1500	1	3	bbscpry	beyb	bbsc	bbsc		
	Lympne ...	986.3	-3	WNW	6	bc	44	55	8	1	-	-	4-6 4-6	1800	986.3	0	W	5	b	39	75	8	1	-	-	Tr	Tr	2500	1	*	bbscpry	beyb	bbsc	bbsc	
	Manston ...	983.7	-4	W	8	bc	44	65	8	6	-	-	4-6 4-6	2500	983.7	+2	W'S	6	b	40	65	7	-	-	-	0	0	-	1	*	bbscpry	beyb	bbsc	bbsc	
2	Shoeburyness ...	984.6	-2	WNW	6	bc	46	55	7	5	-	-	2-3 2-3	4000	984.1	-4	W'S	6	b	42	55	7	-	-	-	0	0	-	1	*	bbscpry	beyb	bbsc	bbsc	
	Felixstowe ...	990.9	-6	W	7	bc	46	55	8	1	4	-	4-6 4-6	3000	981.2	+6	W	6	b	42	65	8	1	-	-	Tr	Tr	3000	1	4	bbscpry	beyb	bbsc	bbsc	
	Gorleston ...	976.3	-20	W	7	c	45	75	6	8	3	-	4-6 7-8	1500	977.2	+8	W/N	6	bc	41	65	6	5	-	-	2-3 2-3	2500	1	4	bbscpry	beyb	bbsc	bbsc		
	Mildenhall ...	979.4	-2	W	8	bc	44	65	8	5	-	-	4-6 4-6	2500	980.3	+6	W'S	6	bc	40	65	7	4	-	-	2-3 2-3	4000	0	*	bbscpry	beyb	bbsc	bbsc		
	Cranwell ...	977.8	+2	WNW	9	c	43	55	8	8	-	-	7-8 7-8	1500	978.2	-4	WNW	7	c	41	65	7	8	-	-	7-8 7-8	1500	1	*	bbscpry	beyb	bbsc	bbsc		
3	Birmingham	986.1	-2	W	7	bc	44	55	8	7	-	-	4-6 4-6	1800	983.3	-12	W	5	b	39	65	8	1	-	-	1	1	1500	1	*	bbscpry	beyb	bbsc	bbsc	
4	Upper Heyford	986.1	-2	W	7	bc	44	55	8	7	-	-	4-6 4-6	1800	984.9	-10	WSW	7	b	37	75	8	4	-	-	Tr	Tr	1200	1	*	bbscpry	beyb	bbsc	bbsc	
	Ross-on-Wye ...	988.3	0	W	7	bcq	43	55	7	8	-	-	2-3 2-3	2500	987.0	-6	W	6	pr	40	65	8	1	-	-	3	1	7-8	2500	1	*	bbscpry	beyb	bbsc	bbsc
5	Hartland Point	990.5	-2	WNW	7	c	43	65	8	2	6	-	4-6 7-8	2000	990.8	-16	NW	6	c	44	65	8	8	4	-	4-6 7-8	2000	1	5	bbscpry	beyb	bbsc	bbsc		
	Bristol ...	990.5	-2	WNW	7	c	43	65	8	2	6	-	4-6 7-8	2000	990.8	-16	NW	6	c	44	65	8	8	4	-	4-6 7-8	2000	1	5	bbscpry	beyb	bbsc	bbsc		
	Portland Bill ...	992.8	-6	W	7	c	47	92	7	2	-	-	7-8 10	4000	991.3	-8	W	6	c	39	75	3	6	3	-	2-3 4-6	2500	1	5	bbscpry	beyb	bbsc	bbsc		
	Plymouth ...	996.6	-10	WNW	7	bc	47	75	8	3	-	-	7-8 7-8	2000	993.7	-16	WNW	5	pr	41	92	6	3	-	-	10 10	800	1	4	bbscpry	beyb	bbsc	bbsc		
	The Lizard ...	999.0	-10	WNW	8	bc	45	85	7	8	6	-	4-6 4-6	2500	995.2	-20	WNW	8	bc	43	75	7	8	-	-	4-6 4-6	2000	1	5	bbscpry	beyb	bbsc	bbsc		
	Scilly (St. Mary's)	999.7	-14	WNW	7	bc/pr	45	85	7	8	6	-	4-6 4-6	1500	996.2	-8	WNW	7	bc/pr	43	85	7	8	4	3	4-6 4-6	1200	1	5	bbscpry	beyb	bbsc	bbsc		
	Guernsey ...	999.7	-14	WNW	7	bc/pr	45	85	7	8	6	-	4-6 4-6	1500	996.2	-8	WNW	7	bc/pr	43	85	7	8	4	3	4-6 4-6	1200	1	5	bbscpry	beyb	bbsc	bbsc		
6	Pembroke ...	992.2	-4	W/N	8	cq	44	75	7	8	7	-	7-8 9	1000	990.2	-2	WNW	7	1/2	41	85	7	8	-	-	7-8 7-8	1000	1	4	bbscpry	beyb	bbsc	bbsc		
7	Holyhead ...	984.6	+10	W/N	9	bc	44	75	7	7	3	-	2-3 2-3	2500	983.5	-16	W/N	9	c	42	85	8	8	-	-	9 9	2800	1	6	bbscpry	beyb	bbsc	bbsc		
	Chester (Sealand)	982.0	+10	W	7	c	44	55	8	8	-	-	7-8 7-8	1500	981.9	-6	W	6	cq	41	65	7	2	-	-	4-6 7-8	1500	1	*	bbscpry	beyb	bbsc	bbsc		
8	Manchester ...	980.4	+18	W	7	c	43	65	7	8	-	-	7-8 10	1600	979.4	-2	W	6	z	40	65	6	2	-	-	4-6 7-8	1800	1	*	bbscpry	beyb	bbsc	bbsc		
10	Spurn Head ...	969.3	-2	W'S	9	cq	44	65	6	9	2	-	4-6 7-8	2500	972.7	+6	W'S	8	cq	43	65	7	4	1	-	4-6 7-8	4000	1	5	bbscpry	beyb	bbsc	bbsc		
	Catterick ...	972.1	+30	WNW	7	PR	41	85	6	3	-	-	9 9	2200	973.9	+10	NW	6	9/pr	41	65	6	8	-	-	10 10	2500	1	3	bbscpry	beyb	bbsc	bbsc		
	Tynemouth ...	963.1	+40	W	8	c/pr	34	85	7	9	-	-	9 9	1000	971.8	+8	NW	6	pr	40	85	6	6	-	-	10 10	1000	1	3	bbscpry	beyb	bbsc	bbsc		
11	St. Abbs Head	966.3	+78	W	8	cq	41	65	8	7	-	-	4-6 9	2500	968.4	+4	W	7	cq	39	85	8	5	6	4	4-6 7-8	2500	0	4	bbscpry	beyb	bbsc	bbsc		
	Leuchars ...	967.5	+70	WNW	5	c	41	75	8	7	-	-	7-8 9	1500	969.0	+6	W	5	c	40	85	8	5	3	-	2-3 7-8	1800	2	*	bbscpry	beyb	bbsc	bbsc		
12	Renfrew (Abbots L.)	972.1	+26	WNW	7	pr	42	85	7	9	-	-	9 9	1200	974.2	+16	WNW	6	pr	40	85	7	9	-	-	10 10	1200	2	*	bbscpry	beyb	bbsc	bbsc		
	Eskdalemuir ...	972.1	+26	WNW	7	pr	42	85	7	9	-	-	9 9	1200	974.2	+16	WNW	6	pr	40	85	7	9	-	-	10 10	1200	2	*	bbscpry	beyb	bbsc	bbsc		
	Point of Ayre ...	972.8	+22	NW	9	c	45	85	8	8	1	-	4-6 7-8	1500	978.5	+12	NW	8	bc	42	85	8	5	4	5	2-3 2-3	1500	1	5	bbscpry	beyb	bbsc	bbsc		
13A	Tiree ...	972.8	+22	NW	9	c	45	85	8	8	1	-	4-6 7-8	1500	978.5	+12	NW	8	bc	42	85	8	5	4	5	2-3 2-3	1500	1	5	bbscpry	beyb	bbsc	bbsc		
13B	Stornoway ...	972.8	+22	NW	9	c	45	85	8	8	1	-	4-6 7-8	1500	978.5	+12	NW	8	bc	42	85	8	5	4	5	2-3 2-3	1500	1	5	bbscpry	beyb	bbsc	bbsc		
15	Dalwhinnie ...	965.7	+34	W/N	4	rs	33	92	3	-	-	-	10 10	4150	971.9	+6	WSW	3	is	35	85	5	5	-	-	10 10	800	7	*	bbscpry	beyb	bbsc	bbsc		
	Aberdeen ...	965.7	+34	W/N	4	rs	33	92	3	-	-	-	10 10	4150	971.9	+6	WSW	3	is	35	85	5	5	-	-	10 10	800	7	*	bbscpry	beyb	bbsc	bbsc		
	Wick ...	965.7	+34	W/N	4	rs	33	92	3	-	-	-	10 10	4150	971.9	+6	WSW	3	is	35	85	5	5	-	-	10 10	800	7	*	bbscpry	beyb	bbsc	bbsc		
16	Lerwick ...	965.7	+34	W/N	4	rs	33	92	3	-	-	-	10 10	4150	971.9	+6	WSW	3	is	35	85	5	5	-	-	10 10	800	7	*	bbscpry	beyb	bbsc	bbsc		
	Lerwick ...	964.7	+20	WNW	3	c	38	85	8	5	7	8	4-6 9	2500	967.2	+14	W	3	c	35	97	7	8	7	2	4-6 9	1500	1	2	bbscpry	beyb	bbsc	bbsc		
	Lerwick ...	964.7	+20	E	5	c/pr	38	85	8	5	7	8	4-6 9	800	969.0	+12	E																		

Abridged observations of additional stations in the AVIATION WEATHER CODE												
13h. G.M.T. 6th Dec. 18h. G.M.T.						01h. G.M.T. 7th Dec. 07h. G.M.T.						
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	89	02752	26417	86	25744	32285	10	00752	02512	30	01854	63584
115	52	81844	24486	57	81744	61687	87	02844	08585	52	88844	32586
203				8-	01844	23514	8-	81848	32588			
206	57	01854	25384	62	64745	24588	5-	22855	26165	80	81854	00084
210	54	02954	25485	5-	02858	57528	8-	25757	26367	8-	25954	63584
220	9-	88748	28788	62	81648	28688				84	01754	27214
230	96	88636	60997	9-	81748	59888	8-	81848	28228	86	25843	06484
245	94	01954	63624	5-	02854	24226				8-	02954	30285
260	9-	83538	26488	82	25745	59487	57	02755	25386	50	00772	28222
277	9-	15734	25987	27	02842	58788	8-	81747	25687	8-	02748	62688
279	5-	25548	57888				02	64548	24768	5-	05544	24614
285				6-	68738	32778				30	27644	30584
288	5-	25757	58837	8-	05657	59787	5-	02768	24488	51	61655	28268
273												
301	26	14654	57086	20	14754	59818	2-	01755	59715	8-	05655	61465
321	86	14864	59915	57	05662	58615	52	02661	58528	52	61665	58468
299	87	25735	57786	5-	25746	24686	50	05646	24668	8-	64637	28567
292	87	25744	57785	57	02754	59688	5-	02756	57626	81	82754	21486
310	--	02638	24638	--	25535	24625				--	02528	26488
316	8-	25747	50787	8-	02756	56686	51	25754	23476	57	02653	24257
333				2-	14757	28817	20	81744	59684	2-	02855	30585
334	--	02744	24827							**	02654	20215
340	29	14854	58615	43	01852	59613	5-	25865	22385	8-	25847	28387
136				46	01864	24714	07	02790	22617	5-	22766	24586
336	65	02753	20725	62	02754	24727				62	02754	28427
350												
368	30	25844	56684									
379				50	00751	24611	50	01752	24502	5-	05645	24315
390	70	01854	24814							57	01752	22502
382	60	01854	55714	00	00890	23500	50	00852	23402	56	01762	24303
488	80	01743	24813							55	02753	26514
430	20	02745	24615	46	00751	59503	03	00790	26502	23	02752	26315
409	26	01744	58884	36	25745	57886	30	05644	57884	8-	82637	58687

III

=

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

ww

=

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.

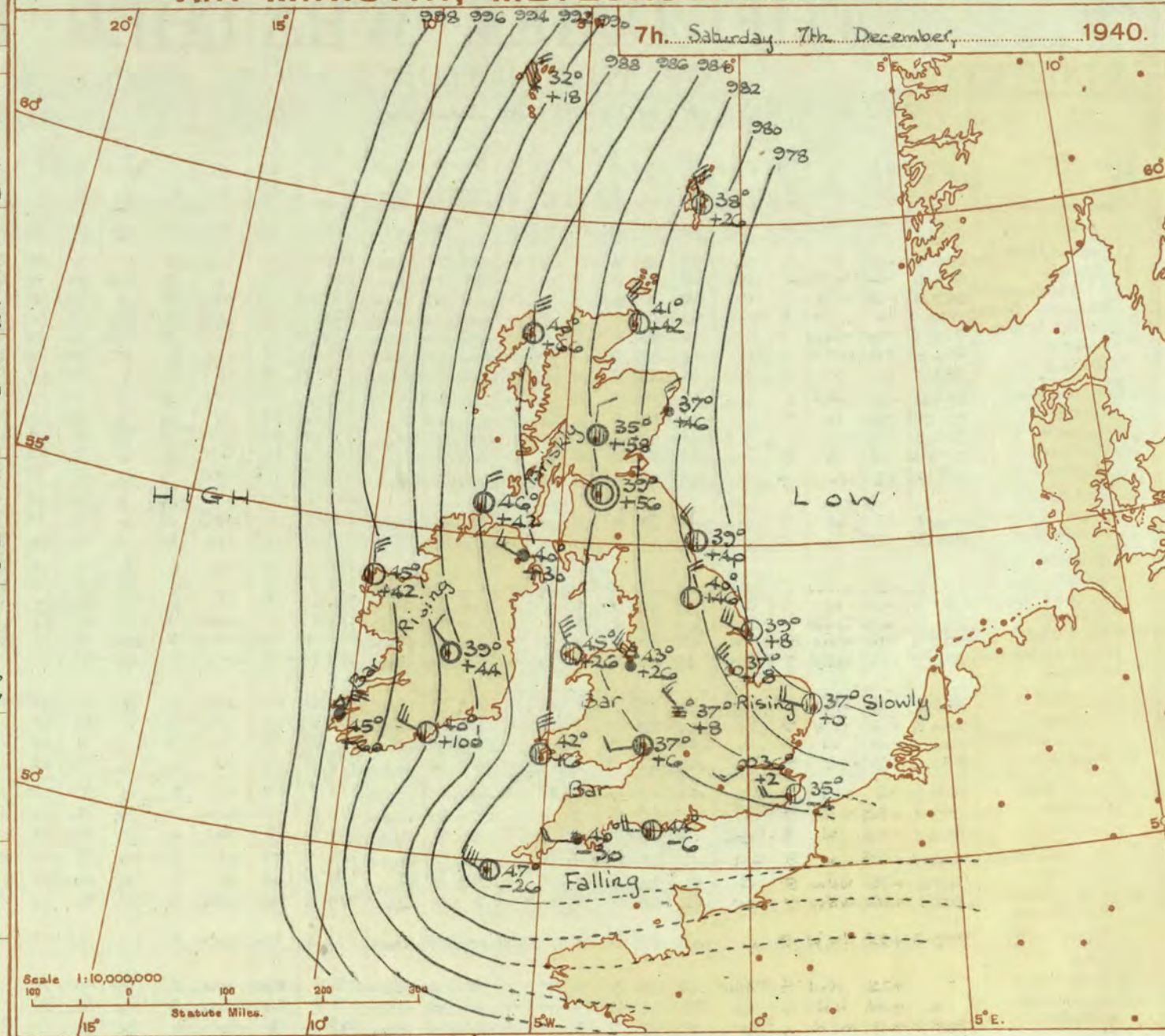
DD

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th December 1940
1 S.E. England	Moderate or fresh northwest wind strong on coasts decreasing later; cloudy at first with showers, fine later; cold; sharp frost tonight.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh squally north to northwest wind strong on coasts decreasing later; bright intervals; wintry showers; local thunder; cold; frost tonight.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Fresh squally north to northwest wind strong on coasts decreasing later; bright periods; local wintry showers; cold; sharp frost tonight.
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 squally north wind strong on coasts backing northwest and decreasing; cloudy; wintry showers; cold; frost tonight.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Fresh squally northwind strong on coasts decreasing and backing west tomorrow; bright intervals; wintry showers at first; fine later; cold; sharp frost tonight.
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.

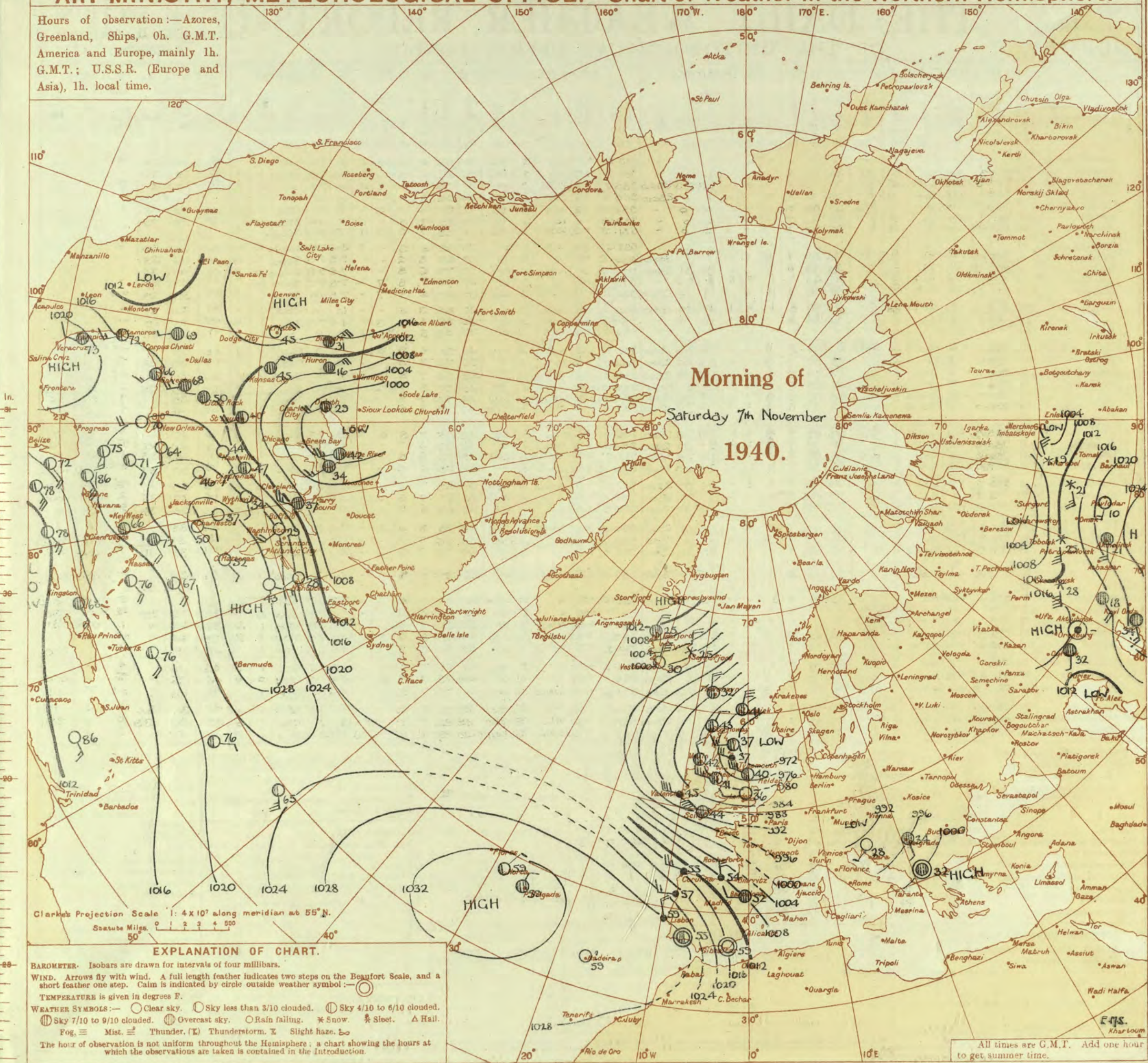
GENERAL INFERENCE.
Pressure is low to east of the British Isles and a small depression over Southeast England is moving south east. A ridge of high pressure west of Ireland is moving east. There will be wintry showers in the North and West but also some bright intervals. Weather will be cloudy at first in the east with showers but will become fine later.

FURTHER OUTLOOK.
A short fair interval in the South, unsettled in the North.
Gale warnings are issued in districts 6, 7, 8, 9, 10, 11, 12, 19 at 0330 on 7/12/40.

Forecasts issued at 10.30
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.

BRITISH SECTION
Saturday, 7th December, 1940.
No. 28,370.

OBSERVATIONS at 1 hr. G.M.T. 7th December															OBSERVATIONS at 7 hr. G.M.T. 7th December															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours.	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.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Direc.			Force.	Form.					Amount.	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)								
																																Low.	Med.		High.	Low.	Med.	High.	Low.
1	London (Kew) ... 18	217	30.3	-10	W	3	bc	36	75	6	-	-	-	30.2	+4	W	3	bc	37	85	6	5	8	6	1	7.8	1000	1	46	36	30	-	-	5.9					
	Croydon ... 217	217	30.3	-10	W	3	bc	36	75	6	-	-	-	30.2	+2	W	3	bc	36	85	6	5	-	-	-	7.8	7.8	3000	1	45	35	31	-	-	5.5				
	S. Farnborough ... 226	226	30.3	-12	W	3	bc	37	75	7	5	3	-	2.3	2.3	3500	30.3	+4	W	3	bc	37	75	7	-	7	4	0	7.8	-	0	46	35	31	-	-	6.2		
	Boscombe Down ... 417	417	30.3	-14	W	3	bc	37	75	8	5	-	-	1	1	2500	30.3	+6	W	3	bc	34	92	8	-	-	0	0	-	1	46	34	28	-	-	4.2			
	Calshot (Stmntn.) ... 8	8	30.5	-13	W	4	bc/pr	37	85	7	-	-	-	0	0	-	30.4	+2	W	4	bc	37	85	8	4	3	1	3500	1	2	46	35	33	1	0.2	3.4			
	Lympne ... 346	346	30.3	-8	W	4	bc	38	85	7	-	-	-	0	0	-	30.3	+4	W	4	bc	38	85	7	5	6	1	46	3500	1	45	34	29	-	-	6.8			
	Manston ... 154	154	30.3	-10	W	5	bc	36	75	7	-	-	-	0	0	-	30.3	+2	W	5	bc	36	85	7	5	3	1	Tr	2.3	3500	1	44	35	33	0.4	0.1	2.0		
2	Shoeburyness ... 11	11	30.3	-2	W	5	bc	38	85	7	5	-	1	1	3500	30.2	+6	W	5	bc	37	85	6	5	2	4	7.8	1000	1	46	36	33	-	-	5.0				
	Felixstowe ... 15	15	30.3	-2	W	5	bc	38	85	7	5	-	1	1	3500	30.2	+6	W	5	bc	37	85	6	5	2	4	7.8	7.8	3000	1	46	36	33	-	-	5.2			
	Gorleston ... 5	5	30.4	0	W	5	bc	38	85	6	5	-	9	9	2500	30.2	0	W	5	bc	37	75	6	8	-	7.8	7.8	2200	0	46	36	31	1	0.1	4.0				
	Mildenhall ... 19	19	30.1	-6	W	5	bc	36	85	7	7	6	0	7.8	3000	30.2	+10	W	5	bc	37	85	7	8	7	7.8	7.8	3000	0	45	35	25	-	-	1.8				
	Cranwell ... 240	240	30.3	-6	W	6	bc	35	75	7	5	-	10	10	2500	30.2	+18	W	6	bc	37	85	6	7	7	7.8	10	2500	1	44	35	33	0.4	0.1	2.0				
3	Birmingham ... 535	535	30.3	+2	W	6	bc	33	85	8	4	4	4	7.8	1500	30.2	+8	W	6	bc	37	85	3	5	-	10	10	1500	1	43	33	31	0.1	-	2.6				
	Upper Heyford ... 408	408	30.2	-12	W	5	bc	34	85	8	-	4	0	Tr	-	30.3	+1	W	4	bc	36	85	8	5	3	4	7.8	3000	1	44	33	29	0.1	-	2.7				
4	Ross-on-Wye ... 223	223	30.3	-12	W	5	bc	34	85	8	-	4	0	Tr	-	30.4	+2	W	5	bc	37	85	8	-	1	6	0	9	-	44	35	32	Tr	2	2.7				
5	Hartland Point ... 299	299	30.3	-16	W	6	c/pr	43	65	8	3	-	7.8	7.8	1500	30.2	-4	NE	4	c/pr	40	97	8	5	2	4	9	1500	1	48	39	37	0.3	5	1.2				
	Bristol ... 209	209	30.3	-16	W	6	bc	43	65	8	3	-	7.8	7.8	1500	30.2	-4	NE	4	c/pr	40	97	8	5	2	4	9	1500	1	48	39	37	0.3	5	1.2				
	Portland Bill ... 32	32	30.3	-16	W	6	bc	43	65	8	3	-	7.8	7.8	1500	30.2	-4	NE	4	c/pr	40	97	8	5	2	4	9	1500	1	48	39	37	0.3	5	1.2				
	Plymouth ... 82	82	30.3	-18	W	5	bc	41	65	8	3	-	9	9	800	30.3	-4	W	4	c	44	92	7	8	-	9	9	2500	1	50	41	38	0.5	2	3.5				
	The Lizard ... 240	240	30.1	-12	W	7	bc	43	65	8	3	-	4	4	1500	30.3	-4	W	7	bc	46	75	7	8	-	4	4	1500	1	48	39	35	2	5	3.6				
	Scilly (St. Mary's) ... 163	163	30.2	-12	W	7	c/pr	44	65	8	3	-	7.8	7.8	1200	30.3	-26	W	8	c/pr	47	75	7	8	-	7.8	7.8	1200	1	48	41	38	4	2	2.3				
	Guernsey ... 175	175	30.2	-12	W	7	c/pr	44	65	8	3	-	7.8	7.8	1200	30.3	-26	W	8	c/pr	47	75	7	8	-	7.8	7.8	1200	1	48	41	38	4	2	2.3				
6	Pembroke ... 142	142	30.3	-10	W	7	c/pr	43	85	7	8	-	7.8	7.8	1500	30.3	+6	W	6	c/pr	42	85	7	8	6	-	4	7.8	1000	0	46	39	38	2	3	2.1			
7	Holyhead ... 26	26	30.3	-8	W	7	c	41	85	7	8	-	9	9	2200	30.4	+26	W	7	c	45	85	8	7	-	10	10	2200	1	45	39	38	Tr	1	1.0				
	Chester (Sealand) ... 16	16	30.3	-6	W	4	phr	39	85	6	9	-	7.8	7.8	1400	30.2	+26	W	5	phr	43	85	6	8	-	9	9	2300	1	45	37	33	0.2	0.2	0.0				
8	Manchester ... 70	70	30.3	-2	W	5	bc	39	75	7	8	-	2.3	2.3	1800	30.2	+34	W	4	c	44	75	6	8	-	7.8	7.8	1800	1	44	38	34	0.2	0.2	0.0				
10	Spurn Head ... 29	29	30.3	+4	W	8	c/pr	40	75	7	5	2	4	4	2500	30.3	+8	W	8	bc	40	85	7	4	1	4	4	2500	0	44	39	38	2	Tr	0.0				
	Catterick ... 175	175	30.4	0	W	4	c	37	85	7	8	-	9	9	2800	30.4	+46	W	4	bc	40	75	7	5	2	4	4	2800	1	44	37	36	2	0.1	0.0				
	Tynemouth ... 108	108	30.3	+10	W	6	ir	37	92	7	6	-	10	10	1200	30.3	+40	W	4	c/pr	39	85	6	8	-	9	9	1500	1	42	36	33	9	3	0.0				
11	St. Abbs Head ... 280	280	30.3	+20	W	7	ir	40	85	7	5	2	7.8	10	2500	30.3	+40	W	6	bc	42	75	8	4	4	4	4	2500	1	43	38	37	Tr	1	0.2				
	Leuchars ... 36	36	30.3	+30	W	2	bc	40	85	6	5	-	10	10	3500	30.2	+42	W	3	bc	39	75	7	5	-	4	4	2500	1	43	37	32	1	Tr	0.0				
12	Renfrew (Abbots L.) ... 19	19	30.3	+14	W	4	c	40	85	7	8	-	9	9	2500	30.4	+56	-	0	c	39	92	7	8	3	-	4	4	2500	1	43	37	31	0.4	0.0				
	Eskdalemuir ... 794	794	30.3	-4	W	7	c	41	92	8	8	1	2.3	10	1500	30.3	+38	W	6	c	46	85	8	8	1	4	4	2500	1	44	39	38	0.2	0.3	0.0				
	Point of Ayre ... 30	30	30.3	-4	W	7	c	41	92	8	8	1	2.3	10	1500	30.3	+38	W	6	c	46	85	8	8	1	4	4	2500	1	44	39	38	0.2	0.3	0.0				
13a	Tiree ... 22	22	30.3	-4	W	7	c	41	92	8	8	1	2.3	10	1500	30.3	+38	W	6	c	46	85	8	8	1	4	4	2500	1	44	39	38	0.2	0.3	0.0				
13b	Stornoway ... 80	80	30.3	+40	NE	6	c	43	75	7	8	-	7.8	7.8	1300	30.3	+66																						

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday... 8th... December, 1940.
No... 28.871.

[illegible]

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere
of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense;
suffix o indicates slight; repetition
of letters indicates continuity: thus
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height). /gale.
☉ Solar halo. ☾ Lunar halo. ☀ Aurora.
With present weather is combined,
whenever possible, the general
character of the weather.
A "solidus" divides actual 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.

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 Cc predominating, and a little cirrus.

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

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. 7h. December				18h. G.M.T.				01h. G.M.T. 8h. December				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	3	15747	63687	3	15746	63786	8	14754	63784	8	02852	64582			
115	52	88244	65685	87	88744	65685	52	88834	65687	52	81844	32587			
203											1	02846	28486		
206	84	25253	32284	3	25844	30384	30	83744	28484	3	01854	28384			
210	80	25854	63784	5	81745	63685	5	25856	63686	5	02857	62587			
220	33	27855	28686												
230	86	81955	62516	36	25244	30540	50	00851	32781	50	01853	62403			
245	3	81737	64787	30	26843	63683	50	00841	65781	80	00852	65702			
260	20	01854	32314	40	00861	28381	50	00861	24301	50	00861	25401			
277	80	00952	29682	40	00842	64782	80	00852	62682	00	00830	62510			
279		01790	28311				00	00790	28400	00	00790	28200			
285	80	01744	30614		26746	28686									
288	80	05553	28325	4	05564	29324	00	00790	16600	50	00863	61503			
278	41	63753	29286												
301	33	05652	30214	8	05456	63516				10	00753	30403			
321	57	01765	28515	8	81646	60526	00	05630	60600	00	00790	25400			
299	8	01745	26585	5	22647	59467	8	82648	59788	50	05643	59713			
292	87	05683	30585	56	02744	29517	00	00790	28600	04	00830	28501			
310		01534	26414					20	01753	30313					
316	07	05530	30325	04	01530	28113	00	05630	63400	00	05630	63400			
333	37	25244	02585	10	14753	32783	2	01755	63785	20	01754				
334		25636	00086												
340	80	01854	30314	33	25745	63526	20	00852	28402	70	00851	28301			
136				83	02751	28585	8	85756	60686	86	01751	27582			
336	53	02754	32426	64	25754	28415									
350	10	02753	26486							00	05630	26300			
368															
376	50	05653	26314	00	05630	26200	00	05630	28400	00	00790	28400			
390	04	01750	30454	04	05530	28511	00	05530	26480	00	05630	28500			
382	00	02790	27325	00	05630	27300	00	00790	28380	04	00830	24201			
438	52	01744	26415							50	01753	30413			
430	03	02790	28415	00	00790	28300	00	05630	30510	20	00752	28502			
409	26	02845	64687	20	01844	63684	3	88745	61685	8	81746	63586			

III

ww, W

h, N_h

N

C_M

V

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

=

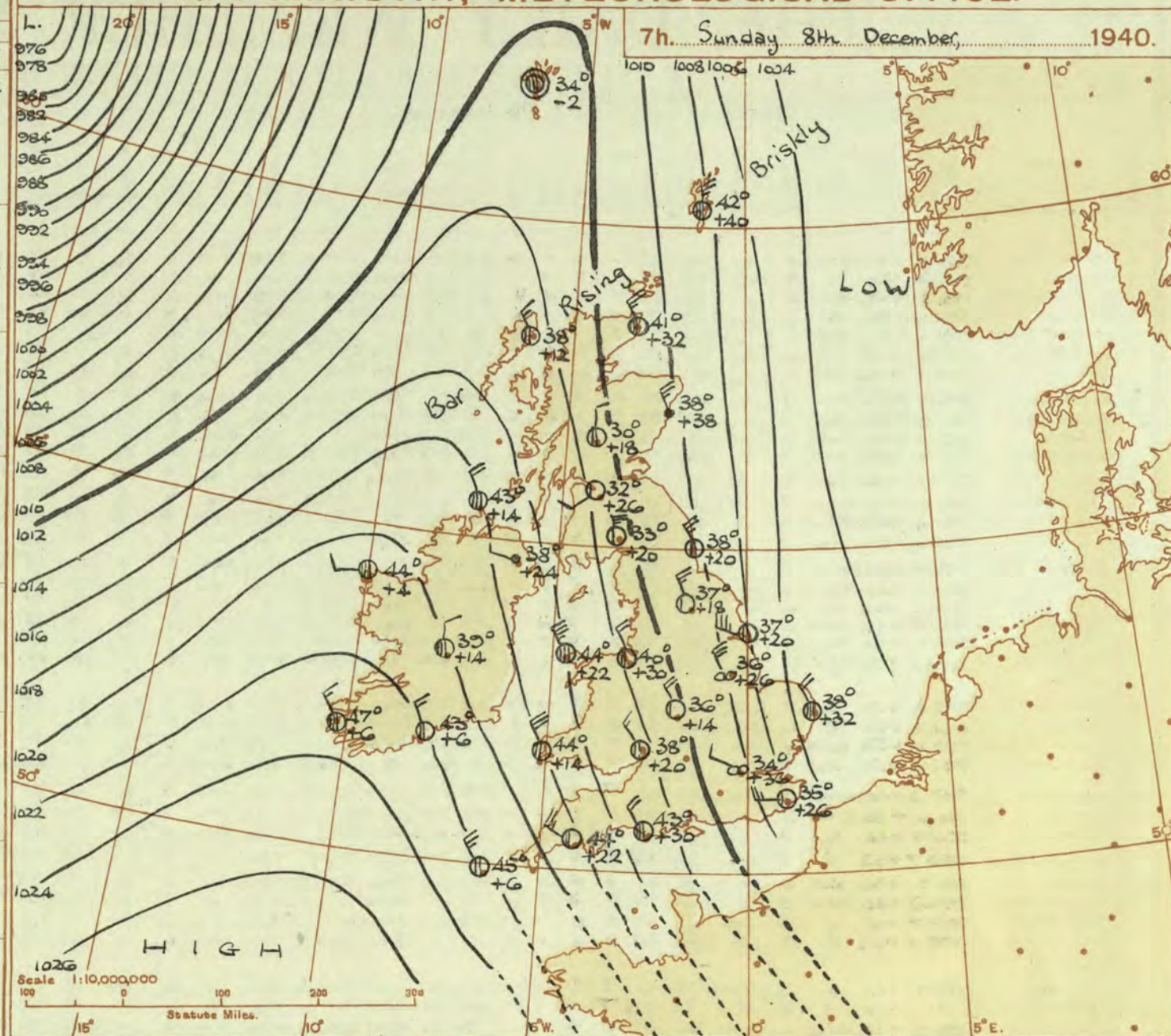
Force of wind—See page 4.

=

Direction of wind (8 = 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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th December, 1940
1 S.E. England	Moderate or fresh northwest wind strong locally on coasts decreasing and backing south, freshening later: fine at first apart from local wintry showers chiefly near the East Coast: rain spreading from west later: cold becoming milder temporarily.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate northwest wind backing south and freshening, becoming strong to gale on coasts veering southwest later: fair at first, rain later: cold becoming milder temporarily.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Freshening south wind becoming strong to gale veering southwest to west later: gale severe at exposed places; fair at first; rain spreading from west followed by squally wintry showers with local thunder: cold.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland. ↓	
14 Mid Scotland	
15 N.E. Scotland ↓	Freshening south wind strong on coasts veering southwest to west; rain spreading from west followed by squally wintry showers with thunder: cold.
16 Orkneys and Shetlands ↓	
17 N.W. Ireland ↓	
18 N.E. Ireland ↓	
19 S.E. Ireland	
20 S.W. Ireland	

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

GENERAL INFERENCE.

A ridge of high pressure over Ireland is moving East and an intense depression is approaching Southwest Ireland. An associated trough west of Ireland will move east across the British Isles. Weather will be fair or fine at first apart from wintry showers chiefly near the East Coast, but rain will spread from the west later to all districts. Southwest gales will develop in northern districts later.

FURTHER OUTLOOK.

Unsettled. Stormy in the North and perhaps the West. Cold with squally wintry showers.

↑ Warning of southerly gale in operation in districts 13, 15, 16, 17 & 18. Times of issue 0745 and 0900 8/12/40

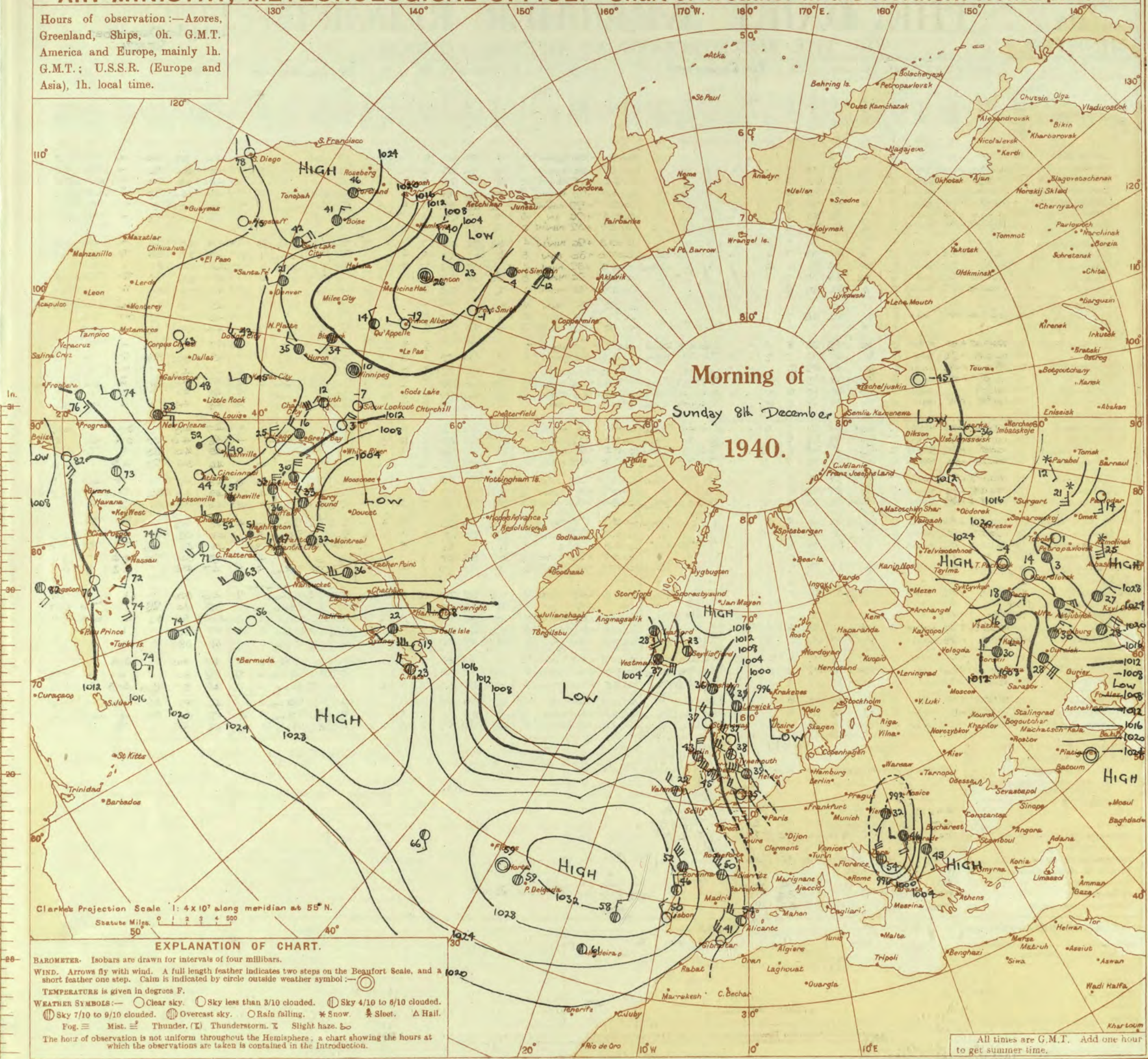
Forecasts issued at 10.30

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

H.M.S.O. Press, Cornhill 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.

BRITISH SECTION

Sunday 8th December 1940.

No. 28,871

OBSERVATIONS at 1 hr. G.M.T. 8th December														OBSERVATIONS at 7 hr. G.M.T. 8th December														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Sea. 0-9	TEMPERATURE.			RAINFALL.		SUNSHINE 7th. 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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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THE DAILY WEATHER REPORT

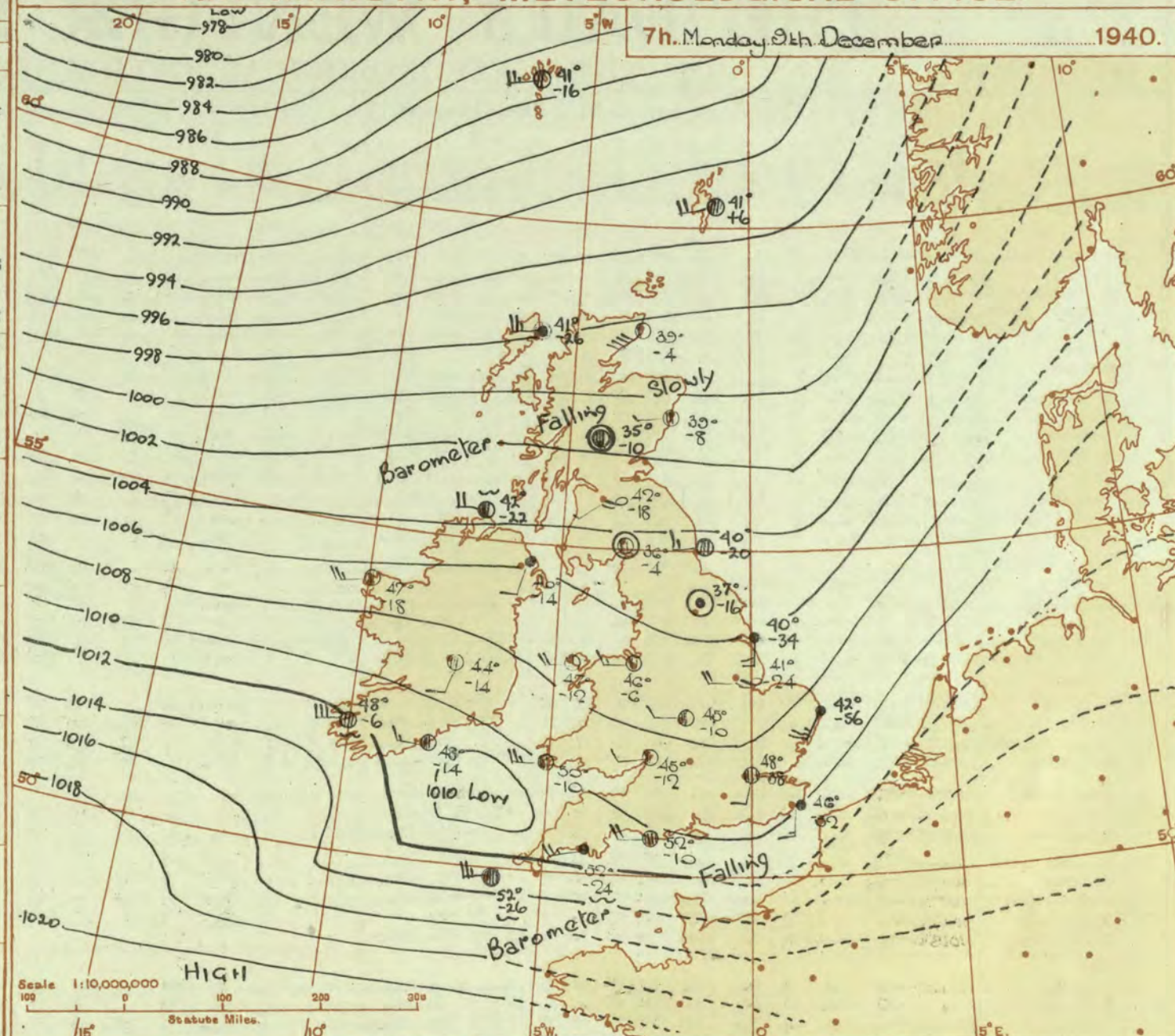
OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 31st December, 1940.														OBSERVATIONS at 18h. G.M.T. 31st December, 1940.														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)	°C. (8)	Humid. 0-9 (9)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	°C. (22)	Humid. 0-9 (23)	Cloud.			Barom. at M.S.L. mb. (29)	State of Ground. 0-9 (30)	Sea. 0-9 (31)	WEATHER.										
				Direc. (3)	Force. 0-12 (4)					Low. (10)	Med. (11)	High. (12)			Low 0-10 (13)	Total 0-10 (14)					Height of Base (feet) (14)	Low. (23)	Med. (24)				High. (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	7h.-13h. 31st (37)	13h.-18h. 31st (38)	18h. to 1st Jan. (39)	1h.-7h. 1st Jan. (40)			
1	London (Kew)...	1017.2	+22	NW	5	2	43	55	6	-	7	7	0	24	-	1018.3	+12	WNW	2	2	88	75	5	-	1	0	2-3	-	1	*	bz	bazy	cz	bzy	bcm	err	cm
	Croydon ...	1016.3	+22	W	2	2	42	55	5	-	3	1	0	4-6	-	1019.8	+14	W	2	2	37	85	4	-	1	0	4-6	-	1	*	bm	bzy	bcm	err	cm		
	S. Farnborough	1017.3	+20	NW	5	2	43	55	8	-	1	6	0	7-8	-	1020.8	+14	W	3	3	36	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Boscombe Down	1018.6	+12	NW	4	2	43	65	7	-	1	6	0	4-6	-	1021.5	+20	WN	2	3	36	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Calshot (Soton.)	1018.3	+20	NW	5	2	44	65	8	-	1	6	0	4-6	-	1021.2	+18	SWW	3	3	38	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Lymington	1014.4	+14	NW	6	2	41	55	8	-	1	6	0	4-6	-	1019.0	+20	NW	3	3	37	75	4	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Manston	1014.0	+20	WNW	5	2	41	65	6	-	1	6	0	4-6	-	1018.1	+20	WNW	4	3	38	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
2	Shoeburyness ...	1015.0	+24	NW	4	2	43	65	8	-	1	5	2	2-3	2500	1018.6	+12	NW	2	2	38	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Felixstowe ...	1012.2	+18	WNW	5	2	42	55	8	-	1	5	2	2-3	2500	1017.4	+32	WNW	4	4	40	85	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Gorleston ...	1011.1	+34	WNW	5	2	38	85	6	-	1	5	2	2-3	1600	1016.2	+12	NW	4	4	40	85	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Mildenhall ...	1013.8	+22	NW	5	2	41	75	7	-	1	5	2	2-3	2-3	5000	1017.8	+18	WN	3	3	36	85	5	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Cranwell ...	1015.6	+26	WNW	6	2	41	65	6	-	1	5	2	2-3	2-3	2500	1018.4	+14	WNW	4	3	36	85	4	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
3	Birmingham	1018.3	+14	NW	4	2	41	65	6	-	1	5	2	2-3	2500	1020.1	+8	WSW	2	2	38	75	4	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
	Upper Heyford	1018.2	+26	NW	4	2	41	55	6	-	1	5	2	2-3	2500	1020.0	+10	WNW	3	2	36	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
4	Ross-on-Wye ...	1019.0	+14	NW	3	2	44	65	8	-	1	5	2	2-3	2500	1020.6	+6	SW	1	2	41	65	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
5	Hartland Point	1021.3	+12	NNW	5	2	45	75	8	-	1	5	2	2-3	2-3	2000	1021.8	-4	WN	3	2	40	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Bristol ...	1013.5	+10	NW	4	2	44	65	7	-	1	5	2	2-3	4-6	3000	1021.6	+4	W	2	2	40	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Portland Bill	1019.4	+14	NW	4	2	46	85	8	-	1	5	2	2-3	4-6	4000	1021.3	+12	WNW	4	3	45	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Plymouth	1022.8	+18	NNW	4	2	47	65	8	-	1	5	2	2-3	3-6	3000	1023.2	+2	W	3	3	46	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	The Lizard	1023.8	+10	WNW	4	2	48	75	8	-	1	5	2	2-3	4-6	2600	1024.4	0	WNW	4	3	47	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Scilly (St. Mary's)	1024.3	+10	NW	4	2	50	65	8	-	1	5	2	2-3	4-6	1800	1023.3	-6	WSW	3	2	48	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Guernsey ...	1024.3	+10	NW	4	2	50	65	8	-	1	5	2	2-3	4-6	1800	1023.3	-6	WSW	3	2	48	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
6	Pembroke ...	1022.5	+10	NW	3	2	46	85	8	-	1	5	2	2-3	4-6	3000	1020.4	-2	WSW	4	3	48	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
7	Holyhead	1019.2	+10	WNW	4	2	45	85	8	-	1	5	2	2-3	7-8	2800	1017.8	-10	WSW	4	3	45	85	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Chester (Sealand)	1018.7	+18	WNW	4	2	44	65	8	-	1	5	2	2-3	2500	1018.7	-6	SW	1	2	42	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
8	Manchester	1018.0	+10	WNW	3	2	42	65	7	-	1	5	2	2-3	2-3	4000	1018.5	-4	SW	1	2	36	85	4	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
10	Spurn Head	1012.5	+32	WN	6	2	41	75	7	-	1	5	2	2-3	2-3	2500	1015.3	+16	W	5	3	39	75	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Catterick	1016.4	+18	NW	3	2	41	65	8	-	1	5	2	2-3	2-3	4000	1017.0	0	W	2	2	37	65	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Tynemouth	1015.5	+16	NW	3	2	40	65	6	-	1	5	2	2-3	2-3	2500	1012.6	0	W	3	2	37	75	5	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
11	St. Abbs Head	1014.4	+22	NW	6	2	40	65	8	-	1	5	2	2-3	2-3	2500	1014.1	-4	W	3	2	37	65	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Leuchars	1014.3	+6	W	3	2	41	65	8	-	1	5	2	2-3	2-3	4500	1013.0	-18	SW	3	2	36	75	4	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
12	Renfrew (Abbots I.)	1017.0	+4	WSW	1	2	38	75	7	-	1	5	2	2-3	2-3	10 1400	1013.6	-22	SSW	1	2	37	85	3	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Eskdalemuir	1016.0	+4	N	2	2	37	55	8	-	1	5	2	2-3	2-3	10 1400	1015.4	-14	SSW	2	2	32	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Point of Ayre	1018.0	+10	NNW	4	2	44	75	8	-	1	5	2	2-3	2-3	2500	1018.4	-28	SSW	1	2	45	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
13A	Tiree ...	1014.5	-18	SW	3	2	46	65	8	-	1	5	2	2-3	2-3	2500	1005.0	-40	S	8	42	82	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
13B	Stornoway	1014.5	-18	SW	3	2	46	65	8	-	1	5	2	2-3	2-3	2500	1005.0	-40	S	8	42	82	6	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
15	Dalwhinnie	1014.2	+14	NW	4	2	39	75	7	-	1	5	2	2-3	2-3	1500	1009.0	-20	SW	3	2	39	75	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Aberdeen	1014.2	+14	NW	4	2	39	75	7	-	1	5	2	2-3	2-3	1500	1009.0	-20	SW	3	2	39	75	8	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm	
	Wick ...	1012.3	+4	WNW	3	2	41	85	7	-	1	5	2	2-3	2-3	1500	1008.5	-18	S	4	42	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
16	Lerwick...	1011.4	+4	NNW	3	2	41	85	7	-	1	5	2	2-3	2-3	1500	1008.5	-18	S	4	42	85	7	-	1	0	4-6	-	1	*	bxy	bzy	bcm	err	cm		
17	Blacksod Point...	1016.8	-30	S	3	2	48	92	6	-	1	5	2	2-3	2-3	1500	1010.2	-28	SSW	4	3	51	97	6	-	1	0	4-6	-	1							

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 24th December 1940				01h. G.M.T. 25th December 1940				07h. G.M.T. 25th December 1940			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h
109	52	02853	23228	01	03690	17328	8-	02757	53567	90	01753
115	52	02844	20387	52	03855	16328	52	81854	57685	51	14854
203				5-	61848	16688	8-	81845	20685	8-	22848
206	87	02855	30128	02	02990	20328	51	01853	20174	50	00853
210	50	02863	22427	07	02830	18228	57	02845	13467		
220	52	02863	16328	62	66536	21668				52	25644
230				6-	64638	12268	87	25754	18465	5-	61648
245	40	02952	26228	02	02930	24328	02	52458	20368	51	05655
260	00	17990	22116	52	08662	20228	50	02851	18425	51	08663
277	41	02961	22218	02	62858	17368				02	02790
279	04	02890	28527				5-	22548	20568	5-	63648
285										23	02635
288	5-	05656	27316	01	05330	23228	52	61553	18468	5-	21448
273											
301	20	05651	23401	52	05334	24328	02	58548	14468	5-	22648
321	5-	17661	26416	01	05330	24228	5-	62558	18268	03	05550
299	8-	81648	59788	51	05644	27214	02	62438	24368	5-	52438
292	45	02863	28416	51	05652	00028	02	64548	17268	52	08456
310										--	53428
316	00	05690	25405	00	08490	25228	62	64438	18368	5-	52418
333	54	02855	22387	52	02754	20328				8-	25758
334										**	03554
340	10	01861	28514	03	02790	20228	62	62636	18368	40	02755
336							02	61568	21268	5-	82418
350	00	00790	26414							62	03754
368										02	22548
379	00	02870	28325	01	02750	26218	62	64546	24368	52	42755
390	55	01861	28513	03	05590	24316	52	51564	18328	02	22438
382	00	01890	23414	00	05690	25316	02	64658	19368	52	05646
428	50	01763	32363							3-	67308
430	00	01890	28514	00	05690	28214	52	61556	22128		
499	53	02864	27488	52	61745	20278	5-	62648	20668	5-	62638

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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 24th December
1 S.E. England	Moderate southwest to west winds; dull, occasional rain or drizzle at first; bright periods with a few local showers tomorrow; rather mild today then colder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Fresh westerly winds, strong locally on the coast, dull early with local rain; then variable sky with occasional showers; temperature rather below average.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate to fresh westerly winds, strong and squally at times on the Northwest coasts; variable sky; showers in most districts; hail and possibly thunder locally; sleet or snow on high ground in the North; becoming rather cold.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Fresh to strong west to northwest winds, bright periods; some showers; average to rather low temperature.
20 S. W. Ireland	

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

GENERAL INFERENCE.

A very deep depression over Iceland will move eastwards and a small secondary over the Bristol Channel will cross Southern England. A ridge of high pressure will slowly approach on the Atlantic. There will be some further rain or drizzle at first in Southeast England, but elsewhere weather will be rather showery with brighter intervals and these conditions will spread to the Southeast. Hail will occur locally in the northern half of the country.

FURTHER OUTLOOK.

Rather cold with showers in most districts.

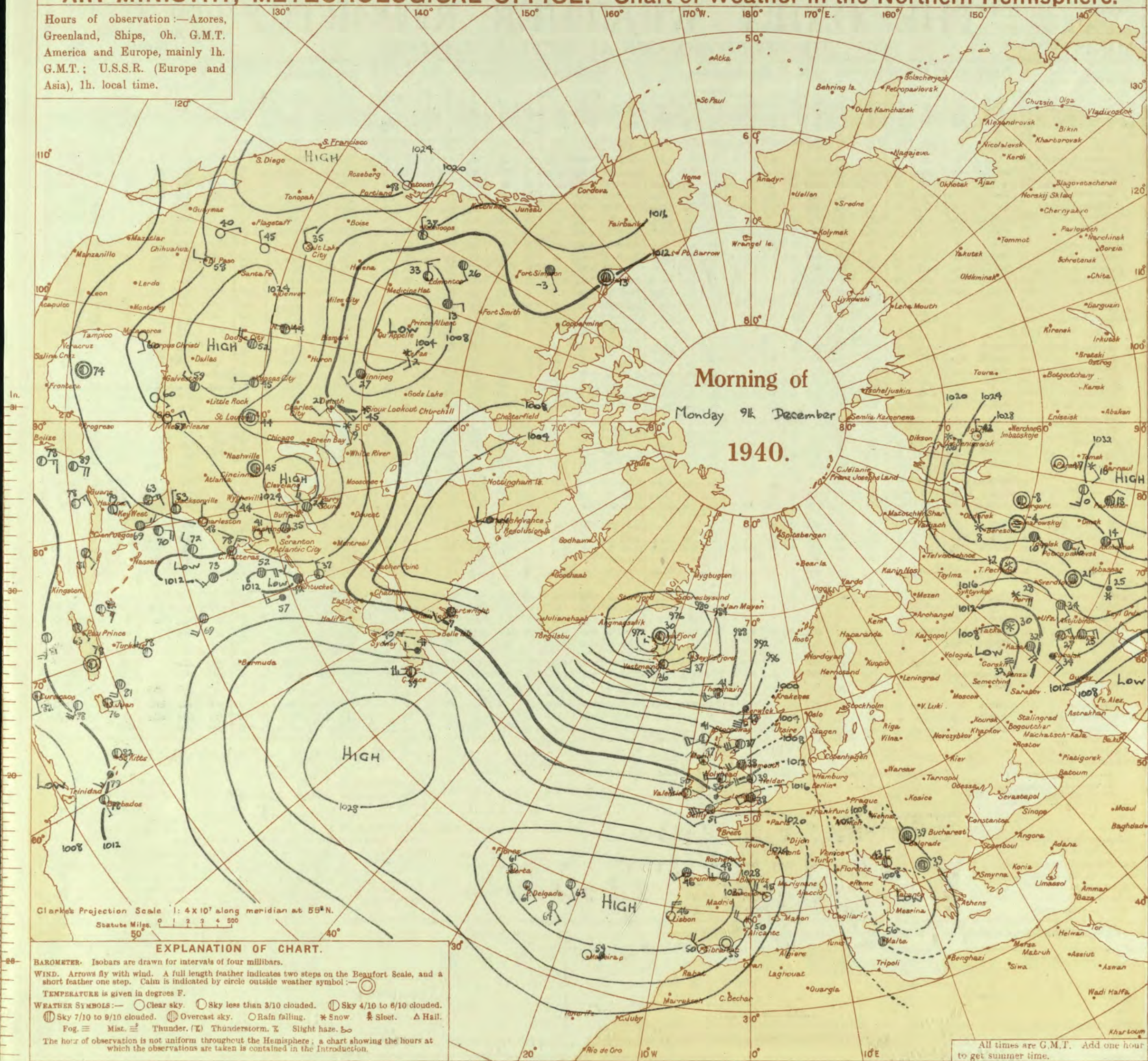
Forecasts issued at 10.30 G.M.T.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 29th December, 1940.
No. 23,872.

OBSERVATIONS at 1 hr. G.M.T. 29th December, 1940.														OBSERVATIONS at 7 hr. G.M.T. 29th December, 1940.														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 8th Hrs.			
					Direc.	Force.					Form.	Amount.	Total 0-10.	Height of Base (feet).			Direc.	Force.					Form.	Amount.	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.				
																																			Low.	Med.	High.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1008.5	-36	SW	2	Z	44	37	6	5	-	-	10	10	1500	1	*	43	37	30	-	6	5.1		
	Croydon	217	1017.3	-22	SW	2	N	38	85	6	2	-	0	10	1009.3	-38	SSW	2	0/r	48	37	6	5	-	-	10	10	1500	1	*	42	36	32	-	6	4.2	
	S. Farnborough	226	1017.1	-34	SW	3	N	40	85	6	5	7	-	4-6	10	1008.9	-30	WSW	3	0	48	32	7	5	2	-	10	10	800	1	*	44	35	30	-	6	6.4
	Boscombe Down	417	1016.6	-38	SW	3	N	40	85	6	5	2	-	7-8	10	1009.5	-22	WSW	4	0	48	37	7	5	-	-	10	10	3000	1	*	43	33	30	-	4	6.1
	Calshot (St.Hmtn.)	8	1017.7	-30	SW	3	N	46	88	6	5	2	-	10	10	1009.3	-32	WS	3	0/r	50	32	6	5	7	-	4-6	10	2500	1	2	47	37	33	-	5	6.5
	Lymington	346	1019.2	-10	SW	3	N	36	75	6	5	2	-	10	10	1011.4	-52	S	3	0/r	46	37	2	-	-	10	10	1500	1	2	42	33	20	-	8	6.0	
	Manston	154	1018.3	-10	SW	2	N	36	75	6	5	2	-	10	10	1010.2	-56	S	3	0/r	44	37	3	5	2	-	10	10	600	1	*						
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1009.6	-52	SW	3	0/r	43	37	6	6	2	-	7-8	10	1500	1	*	43	36	20	-	5	3.7	
	Felixstowe	15	1017.5	-10	WSW	2	N	37	85	5	-	2	-	10	10	1008.9	-60	S	5	0/r	43	37	5	5	-	-	10	10	700	1	2	43	36	34	-	2	5.7
	Gorleston	5	1016.5	-6	WS	2	N	36	85	6	-	2	-	10	10	1009.5	-56	SSW	5	0	42	32	5	6	-	-	10	10	800	1	3	41	36	33	-	2	*
	Mildenhall	19	1016.2	-18	SW	3	N	37	85	5	-	2	-	10	10	1007.4	-40	SW	3	0/r	41	37	6	5	2	-	4-6	10	1500	1	*	42	34	27	-	4	2.3
	Cranwell	240	1014.7	-26	SSW	3	N	37	85	4	-	2	-	10	10	1007.4	-24	WN	4	Z	41	37	5	6	2	-	10	10	1000	1	*	42	33	33	-	5	5.0
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	-10	W	2	0	45	37	5	5	7	-	4-6	10	2500	1	*	41	37	34	-	5	3.8	
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1008.6	-20	SW	3	Z	45	37	5	5	-	-	10	10	300	1	*	41	33	27	-	5	*	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1008.8	-12	WS	2	Z	45	35	7	5	1	-	7-8	10	2500	1	*	44	30	35	-	2	5.7	
5	Hartland Point	299	1012.3	-50	WSW	6	rr	43	37	6	-	2	-	10	10	1010.7	-18	W	3	r	47	32	7	5	2	-	7-8	10	1200	1	4	46	46	43	-	6	1.8
	Bristol	209	1015.5	-38	WS	5	rr	44	32	7	5	2	-	4-6	10	1010.1	-14	W	3	Z	47	37	6	5	7	-	10	10	1000	1	4	44	39	35	-	2	5.5
	Portland Bill	32	1016.4	-40	SW	4	c	40	32	7	5	-	-	10	10	1010.6	-10	W	4	0/r	52	32	7	5	-	-	10	10	2500	1	4	48	43	-	4	*	
	Plymouth	82	1017.5	-42	SW	6	rr	43	37	6	5	2	-	7-8	10	1011.0	-24	WSW	5	dr	52	37	6	6	2	-	7-8	10	800	1	3	48	44	42	-	7	4.5
	The Lizard	240	1019.4	-28	WS	7	rr	43	37	6	5	-	2	10	10	1012.8	-24	W	7	rr	52	37	6	5	-	-	10	10	1000	1	4	48	47	*	3	2.6	
	Scilly (St.Mary's)	163	1018.4	-16	WSW	5	0/r	51	37	6	5	-	-	10	10	1012.7	-26	WSW	5	0/r	52	37	5	5	-	-	10	10	800	1	4	50	48	*	1	3.1	
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*																							
6	Pembroke	142	1012.3	-24	WS	7	rr	51	37	6	5	-	-	10	10	1009.7	-10	W	5	0	50	35	7	8	2	-	7-8	10	1500	1	3	48	47	*	8	0.9	
7	Holyhead	26	1009.5	-16	WS	4	c	50	32	7	5	-	-	10	10	1007.2	-12	W	4	0/r	47	35	7	5	2	-	7-8	10	2500	1	3	46	44	43	-	10	0.1
	Chester (Sealand)	16	1009.7	-46	SE	3	rr	42	32	6	-	2	-	10	10	1006.9	-6	W	3	0	46	35	6	5	7	-	4-6	10	3500	1	*	44	40	37	-	5	4.5
8	Manchester	70	1010.7	-40	SE	3	rr	40	32	5	-	2	-	10	10	1006.5	-10	WS	3	0/r	44	32	5	8	2	-	4-6	10	1200	2	*	43	33	33	-	7	0.0
10	Spurn Head	29	1013.8	-12	WN	3	rr	35	32	6	6	-	-	10	10	1005.6	-34	S	4	rr	40	32	6	5	-	-	10	10	800	0	3	41	38	*	Tr	2	0.6
	Catterick	175	1009.9	-38	S	4	rr	37	37	6	-	2	-	10	10	1005.3	-16	S	3	0	37	37	4	5	2	-	2-3	10	800	1	*	41	37	33	-	2	2.6
	Tynemouth	108	1009.8	-32	SSW	4	0/r	38	32	6	5	-	-	10	10	1004.5	-20	W	3	0	40	32	6	5	-	-	10	10	1500	1	2	42	36	33	-	1	*
11	St. Abbs Head	280	1005.8	-44	SW	6	rr	37	32	7	5	2	-	10	10	1001.9	-8	W	5	0/r	48	35	7	5	2	-	4-6	10	2500	1	3	41	35	*	-	1	*
	Leuchars	36	1005.1	-34	-	0	dr	37	37	5	5	-	-	10	10	1002.0	-32	W	3	Z	36	32	6	5	-	-	10	10	4300	2	*	42	34	32	-	2	1.2
12	Renfrew (Abbots I.)	19	1005.6	-20	WSW	2	bc	45	35	7	8	5	4-6	7-8	2000	1002.9	-18	SW	1	Z	42	32	6	5	7	-	10	10	2500	1	*	38	36	34	-	4	0.0
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1004.2	-4	-	0	0	36	37	7	5	-	-	10	10	1500	1	*	31	30	*	8	2.1		
	Point of Ayre	30	1007.9	-32	WNW	5	bc	47	37	8	2	-	5	2-3	2-3	2500	1005.5	-4	NW	5	c	45	32	8	5	2	-	7-8	10	4000	1	3	44	41	*	6	0.6
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*																							
13B	Stornoway	80	1000.9	0	SE	1	bc	41	35	7	8	-	-	2-3	2-3	1500	997.6	-26	WSW	5	pr	41	35	7	8	7	-	10	1500	1	2	*	*	0.6	5	*	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1000.3	-10	-	0	c	35	32	6	5	-	-	4-6	4-6	2500	7	*	34	30	20	-	2	0.0	
	Aberdeen	79	*	*	*	*	*	*</																													

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Tuesday 10th December 1940.
 No 28873

OBSERVATIONS at 13h. G.M.T. 9th December														OBSERVATIONS at 18h. G.M.T. 5th December														PAST 24 HOURS.								
DISCREP.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. °F. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. °F. (19)	Temp. °F. (20)	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 (11) (12) (13)	Height of Base. (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low 0-10 Total 0-10 (23) (24) (25) (26) (27)	Height of Base. (feet) (28)	7h.-13h. 3h. (37)	13h.-18h. 6h. (38)			18h. to 1h. 10h. (39)	1h.-7h. 6h. (40)							
1	London (Kew)...	1004.0	-24	WN	4	z	48	85	6	3	-	4-6	78	2500	1006.0	+14	WNW	4	z	44	75	6	5	-	4-6	4-6	2500	1	*	cm	cmobcm.	becm.	cr, ccm.			
	Croydon ...	1004.8	-26	WSW	2	z	48	87	5	3	-	7-8	81	1200	1005.5	+2	W	2	z	43	75	6	-	3	-	0	16	-	1	*	mgcm	cmobcm.	becm.	cr, ccm.		
	S. Farnborough	1005.0	-22	W	1	z	48	85	7	5	7	-	7-8	81	3000	1006.3	+14	W	4	c	42	85	7	3	-	2-3	2-8	4000	1	*	erige	cmprbec	becb, ob	b, crbc		
	Boscombe Down	1007.3	-10	NW	4	e	48	85	7	5	7	-	7-8	10	2000	1007.3	+14	NW	4	b	42	85	8	4	-	1	1	3000	1	*	erige	cid, bc	b	b, crbc		
	Calshot (Soton.)	1007.0	-14	WNW	4	e	48	85	7	5	7	-	7-8	81	4000	1007.8	+10	NW	5	b	44	75	3	4	-	1	1	3500	1	3	erige	cbbc	b	b, crbc		
	Lympne	1005.3	-32	WSW	2	c/r	47	87	6	5	7	-	2-3	9	4500	1005.3	+6	W	3	bc	43	92	7	5	-	4-6	4-6	2500	1	3	erige	cmobcm.	becb	b, crbc		
	Manston	1005.0	-36	WS	3	c/r	47	87	6	5	7	-	4-6	10	3000	1004.3	+10	W	4	z	43	92	6	4	-	2-3	4-6	2500	1	3	erige	cmobcm.	becm, b	b, crbc		
2	Shoeburyness ...	1004.0	-24	W	2	c/r	48	82	5	6	2	-	7-8	10	4000	1004.3	+6	W	4	bf	44	85	2	-	-	0	0	-	1	3	erige	cmprbcf	b, crbc	cm, rro		
	Felixstowe	1002.9	-30	WN	4	z	45	87	5	5	7	-	4-6	9	3500	1002.8	+4	WNW	5	pr	43	85	6	8	-	10	10	2500	1	3	erige	cid, mcp	pr, qbc	b, crbc		
	Gorleston	1002.9	-24	W	2	z	45	82	6	5	-	-	10	10	1500	1001.7	-6	WNW	4	c	43	92	6	5	-	3	3	2500	1	2	erige	cbz	b	b, crbc		
	Mildenhall	1002.9	-26	WS	3	c/r	45	87	6	5	1	-	7-8	10	2500	1002.6	+2	WN	5	c/r	43	92	6	5	7	-	7-8	3	2500	*	erige	cmobcm.	becm, bw	b, crbc		
	Cranwell	1003.7	-18	WN	5	ir	48	85	4	5	-	-	10	10	3000	1003.1	-4	WNW	5	z	45	85	6	5	-	4-6	4-6	1500	1	*	erige	cmobcm.	becm, bw	b, crbc		
3	Birmingham	1004.0	-12	NW	2	c/r	43	82	5	5	7	-	9	10	1500	1004.3	+2	WNW	3	bc	42	85	5	5	-	4-6	4-6	1500	1	*	erige	cmobcm.	becm	b, crbc		
	Upper Heyford	1005.5	-20	WS	3	c	45	85	7	5	3	-	9	10	1200	1005.3	+20	WNW	4	bc	40	85	8	5	4	-	2-3	4-6	3000	1	*	erige	cmobcm.	becm	b, crbc	
4	Ross-on-Wye	1006.3	-10	W	3	bc	47	75	8	8	4	3	4-6	4-6	2500	1007.3	+6	W	4	bq	43	75	8	2	-	1	1	2500	1	*	erige	cmobcm.	becm	b, crbc		
5	Hartland Point	1009.4	+4	WNW	6	bc	48	75	8	8	6	-	4-6	4-6	1500	1010.8	+8	WNW	6	c/pr	47	65	8	8	6	-	7-8	9	1500	1	4	erige	cmobcm.	becm	b, crbc	
	Bristol ...	1008.0	-6	WN	3	c/r	46	82	8	5	3	-	7-8	10	3500	1009.0	+10	WN	3	bc	43	85	8	4	6	-	4-6	4-6	3000	1	4	erige	cmobcm.	becm	b, crbc	
	Portland Bill	1008.1	-12	W	4	c	48	82	8	5	-	-	7-8	10	4000	1009.2	+14	SW	4	bc	48	82	8	5	-	4-6	4-6	4000	1	4	erige	cmobcm.	becm	b, crbc		
	Plymouth	1011.4	+4	NW	4	bc/pr	48	85	8	2	-	-	4-6	4-6	1200	1012.6	+10	WNW	4	c/pr	46	85	5	8	3	-	4-6	9	1400	1	2	erige	cmobcm.	becm	b, crbc	
	The Lizard	1013.0	+4	NW	7	c	50	75	8	8	-	-	7-8	7-8	2500	1014.7	+6	WNW	6	bc	48	75	8	8	6	-	4-6	4-6	2000	1	4	erige	cmobcm.	becm	b, crbc	
	Soilly (St. Mary's)	1013.8	+4	WNW	6	bc/pr	51	75	7	8	-	-	2-3	7-8	1500	1014.3	+10	WNW	6	bc/pr	48	85	7	8	-	4-6	4-6	1400	1	4	erige	cmobcm.	becm	b, crbc		
	Guernsey	1008.0	0	WNW	6	cq	48	85	7	8	-	-	7-8	7-8	3000	1009.7	-2	WNW	6	cq	48	75	7	8	7	-	7-8	9	2500	1	3	erige	cmobcm.	becm	b, crbc	
6	Pembroke	1004.7	-10	W	7	c	46	75	8	8	3	-	7-8	8	2800	1005.3	+4	W	7	c	46	75	8	8	7	-	4-6	9	2500	1	4	erige	cmobcm.	becm	b, crbc	
7	Holyhead	1004.1	-14	W	5	c/r	47	75	7	7	2	-	7-8	10	2500	1004.3	+6	W	4	bc	43	85	7	2	-	4-6	4-6	1800	1	*	erige	cmobcm.	becm	b, crbc		
8	Chester (Sealand)	1004.1	-14	W	5	c/r	47	75	7	7	2	-	7-8	10	2500	1004.3	+6	W	4	bc	43	85	7	2	-	4-6	4-6	1800	1	*	erige	cmobcm.	becm	b, crbc		
	Manchester	1003.7	-14	WN	3	pr	42	82	5	8	-	-	10	10	3000	1003.3	+8	W/S	3	c/pr	42	85	6	8	3	6	-	7-8	9	2100	2	*	erige	cmobcm.	becm	b, crbc
10	Spurn Head	1001.0	-12	W	4	ir	43	82	4	5	2	-	7-8	10	1500	1000.3	-2	W	3	c	41	92	6	5	1	-	4-6	7-8	1500	0	3	erige	cmobcm.	becm	b, crbc	
	Catterick	1001.5	-18	W	1	c	43	85	7	5	7	-	2-3	10	2200	1001.3	0	NW	2	c	40	85	7	3	7	-	2-3	7-8	4500	1	4	erige	cmobcm.	becm	b, crbc	
	Tynemouth	1002.8	-20	WSW	3	m	42	80	4	5	-	-	10	10	1600	1001.3	-4	WNW	3	c	41	85	6	8	-	-	7-8	7-8	2000	1	2	erige	cmobcm.	becm	b, crbc	
11	St. Abbs Head	999.3	-12	W	4	c	41	85	8	4	2	-	7-8	9	2500	997.8	+2	WNW	4	c	41	75	8	4	1	-	2-3	7-8	2500	0	3	erige	cmobcm.	becm	b, crbc	
	Leuchars	997.3	-30	SW	3	bc	33	85	7	5	7	-	7-8	9	4000	997.0	-6	WSW	3	c	33	85	7	5	7	8	-	2-3	9	2800	1	*	erige	cmobcm.	becm	b, crbc
12	Renfrew (Abbots L.)	1000.3	-18	WS	3	c	42	82	3	5	6	3	7-8	9	1400	999.9	-2	WS	2	c	33	92	6	8	-	-	3	9	1800	1	*	erige	cmobcm.	becm	b, crbc	
	Eskdalemuir	1000.1	-20	W	3	pr	38	85	5	5	-	-	9	9	1500	999.7	+4	WN	4	c	38	85	8	5	-	-	10	10	800	1	*	erige	cmobcm.	becm	b, crbc	
	Point of Ayre	1002.8	-12	WNW	5	c	45	82	8	8	4	5	4-6	7-8	2600	1002.7	+2	WNW	6	c	44	92	8	4	-	7	2-3	10	2500	1	3	erige	cmobcm.	becm	b, crbc	
13A	Tiree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13B	Stornoway	995.0	-12	SW	4	c	42	75	8	8	7	9	4-6	10	1500	998.0	-4	SSW	2	bc	34	92	8	2	5	-	4-6	4-6	2500	7	*	erige	cmobcm.	becm	b, crbc	
15	Dalwhinnie	998.5	-12	SW	2	c	38	85	7	8	3	-	2-3	9	2500	998.0	-4	SSW	2	bc	34	92	8	2	5	-	4-6	4-6	2500	7	*	erige	cmobcm.	becm	b, crbc	
	Aberdeen	997.1	-22	W	1	c	41	75	6	5	7	-	7-8	9	4000	995.8	-8	W	2	c	33	75	6	-	7	-	0	3	-	1	2	erige	cmobcm.	becm	b, crbc	
	Wick	995.1	-16	SSW	3	c	40	85	8	7	8	-	4-6	9	2500	993.2	-8	SW	3	c	36	85	7	3	1	8	-	0	3	1500	1	2	erige	cmobcm.	becm	b, crbc
16	Lerwick	992.9	-20	SW	4	c	41	82	8	8	2	-	7-8	9	1500	991.1	-6	SW	3	c/pr	40	85	7	8	7	-	7-8	9	1500	1	*	erige	cmobcm.	becm	b, crbc	
17	Blacksod Point	1007.0	-2	WNW	5	bc	46	85	8	3	-	-	4-6	4-6	1500	1006.0	-10	WN	5	cq	45	85	7	9	5	-	4-6	7-8	1500	1	3</					

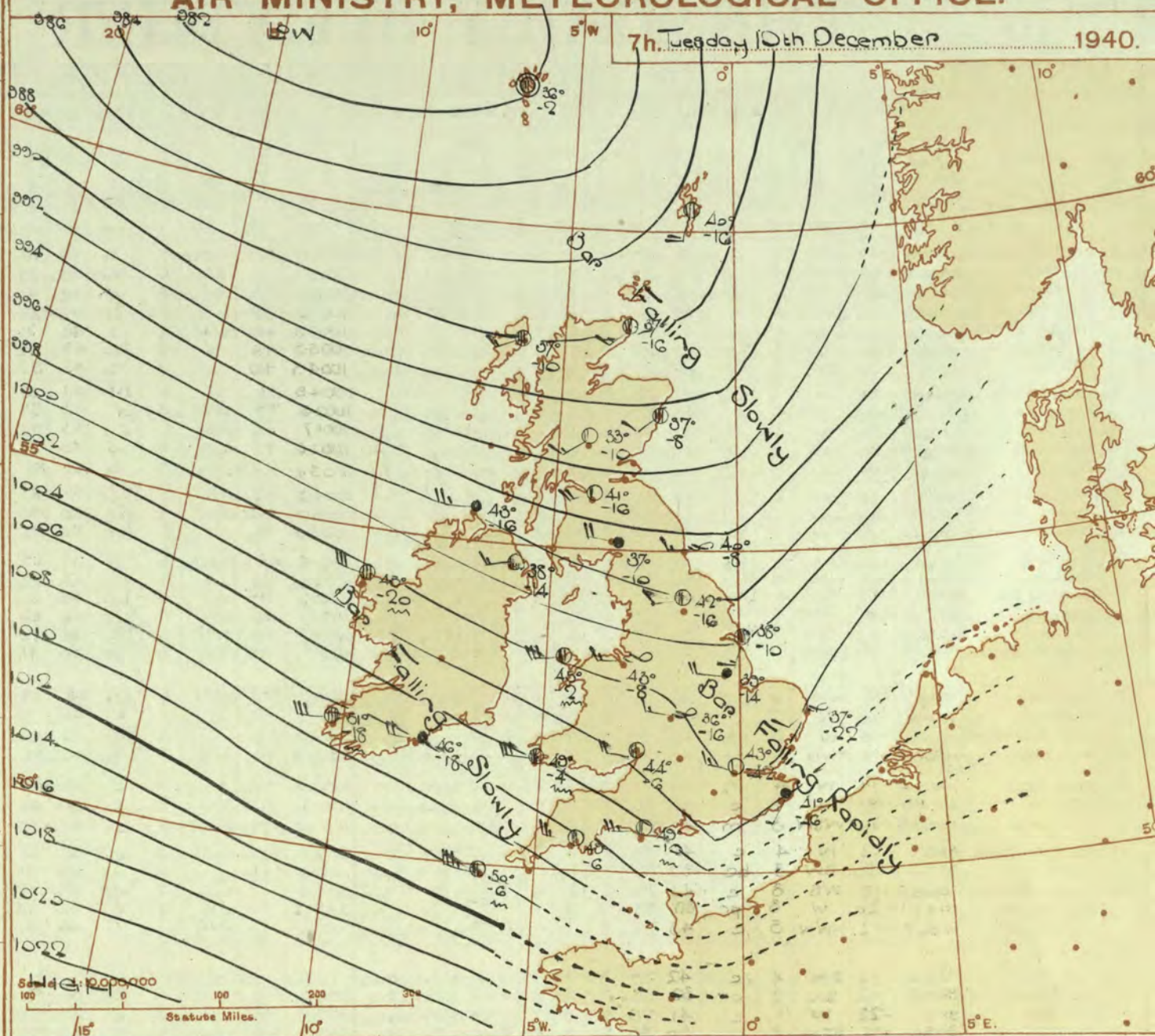
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th December 18h. G.M.T.						01h. G.M.T. 13th December 07h. G.M.T.						
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	81	02853	20487				8-	81744	53484	80	02854	20484
115	87	81834	20587	85	81844	22585	52	88734	57586	51	88844	57485
203				8-	25846	16486	8-	10846	18516	8-	10845	18585
206	83	02854	23286	87	02855	24586	8-	00862	24222	80	00953	00083
210	57	02853	22325	57	02763	20426	53	01962	19414	5-	01853	20382
220												
230	9-	82637	55487	87	10844	51487	83	02854	22315	8-	01744	22384
245	51	02763	22327	57	02861	22327	07	02990	23126	5-	05647	20127
260	87	02744	24366	37	05673	24328	17	01861	20314	87	25765	18285
277	36	02843	23566	87	02855	24586	52	02856	22528	87	02854	57486
279	57	02745	24327	--	05655	24426						
285	6-	64758	28568	23	02735	28667				6-	64638	24568
288	02	64348	20268	07	01790	22264	07	01790	22125	51	02755	02755
273	24	10753	25364							43	63653	23365
301	57	25645	25487	37	05643	27486	22	02754	59428	80	81646	57486
321	57	05575	28328	07	05690	25283	03	05690	22314	6-	64558	23168
290	52	05545	20328	57	01744	24315	00	00790	24314	5-	05644	24214
292	62	62646	22168	5-	02654	22264	87	01852	24315	5-	02855	22365
310	--	48209	24589	--	02628	24528				--	46209	24340
316	57	22564	24268	8-	02647	26327	13	05662	24413	51	22654	24268
333	27	02955	28584	23	02754	57625	52	64744	20428	20	01854	59564
334	--	03635	22327								61656	25568
340	8-	10856	24386	4-	02855	26315	5-	02876	55316	50	01753	24313
136	5-	05548	25368				04	05690	24323	07	05690	19323
336	62	62754	24568	62	02754	28516				60	81754	20586
350	87	01754	24324							5-	22637	53567
368												
379	9-	05658	24328							50	01741	26501
390	53	05654	22325	5-	05657	24417	04	05690	22511	8-	25557	20287
382	53	61666	24467	46	25852	25384	00	05690	22213	50	01764	26514
438	02	57003	24463							80	02754	24464
430	53	02673	26367	50	05663	26303	04	00790	24001	26	01752	30363
499	83	22845	59465	83	25845	26587	8-	2574-	20587	83	02755	57728

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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 12th December 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 12th December
1 S.E. England	Fresh, rather squally, westerly winds, squally showers of rain or hail; bright periods especially at night; rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh to strong, squally west to northwest winds; showers of rain or hail, bright periods; rather cold.
6 South Wales ...	
7 North Wales ...	Squally westerly winds, strong locally at times on the West coast; variable sky, showers of rain and hail with thunder probable locally; some sleet or snow on high ground; rather cold, frost locally at night.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. & B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 5-6
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 centred between Iceland and Faeroes is moving slowly southeast. Rather cold, changeable weather will prevail with squally showers of rain and hail in most districts. Thunder will occur locally in the West and North and snow and sleet may be expected on high ground in the North. There will however be bright intervals.

FURTHER OUTLOOK.

Rather cold, changeable weather.

Gale warnings issued in districts 12, 13a, 13b, 17, 18, 19 and 20 at 1620 9.12.40.

Forecasts issued at 1930 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.

Morning of
Tuesday 10th December
1940.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER: Isobars are drawn for intervals of four millibars.

WIND: Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded.

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

☼ Mist. ☼ Thunder. ☼ Thunderstorm. ☼ Slight haze. ☼

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

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 10th December 1940.

No. 28873

OBSERVATIONS at 1 hr. G.M.T. 10th December.															OBSERVATIONS at 7 hr. G.M.T. 10th December.															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. (6)	Temp. °F. (8)	Humid. % (7)	Visibility. (9)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)		
					Direc. (3)	Force. 0-12 (4)					Low. (10)	Med. (11)	High (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force. 0-12 (18)	Low. (23)	Med. (24)	High (25)			Total 0-10 (26)	Height of Base. (feet) (28)	Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)	Min. on Grass °F. (33)		Day 7h-15h mm. (34)	Night 15h-7h mm. (35)
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (Stmntn.) ... Lympne ... Manston ...	18 217 226 417 8 346 154	* 1006.5 1007.6 1007.5 1007.4 1005.5	* -2 -2 -10 +2 +8	* NW WSW WSW SW W/S	3 3 4 3 1 4 bc	* b bc bc b bc	* 35 39 39 37 35	* 85 85 92 92 85	* 7 7 7 8 7	* - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<																									

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 11th December 1940.

No. No. 28874.

OBSERVATIONS at 13h. G.M.T. 10th December														OBSERVATIONS at 18h. G.M.T. 10th December														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.							
				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.—13h. 10th.... (37)	13h.—18h. 10th.... (38)			18h. to 11th.... (39)	1h.—7h. 11th.... (40)						
1	London (Kew)...	993.1	-28	WSW	4	ir	46	75	6	5	3	3	1500	996.7	+6	W	3	zo	41	85	6	-	-	-	0	0	-	1	*	cm.cir.m.	cl.bclm.	bm.bclw	bclm.w		
	Croydon ...	997.8	-30	W'N	4	c	46	75	6	5	7	3	2-3	9+	5000	996.5	-2	W	3	zo	41	85	6	-	-	-	Tr	Tr	2000	1	*	cm	czo	bclm	bcl
	S. Farnborough	993.0	-26	WSW	5	cpr	45	75	8	6	3	4-6	7-8	4500	997.6	+6	W	4	b	42	75	7	-	-	-	Tr	Tr	2500	1	*	cpr	cjp	b	b,c	
	Boscombe Down	993.2	-36	WSW	4	bc	43	85	8	6	7	4-6	4-6	4000	998.8	+12	W'N	5	b	40	85	7	-	-	-	Tr	Tr	-	1	*	ebccrr	bpcrcjpb	b	bq	
	Calshot (Soton.)	1004.4	-28	W	4	cpr	44	85	8	7	7	5	4-6	9+	3500	998.5	+2	W'N	4	b	42	85	7	-	-	-	Tr	Tr	7200	1	2	clpr	cprq	b	b,cl
	Lympne ...	993.8	-14	W'N	2	c	46	75	8	1	7	8	7-8	200	996.3	-14	W	3	pr	42	85	7	-	-	-	10	10	1800	1	*	bcc	cpr	cpr	bcl	
	Manston ...	997.5	-10	W'S	3	zo	44	85	6	-	7	-	3+	-	994.8	-10	W'N	3	pr	41	92	6	-	-	-	4-6	7-8	2000	*	*	cpr.cmo	cpr.m	cpr.bclm	bclm	
2	Shoeburyness ...	993.4	-24	WSW	2	c	45	85	5	8	7	-	4-6	9+	4000	995.7	-10	W'N	3	bc	40	92	6	-	-	-	4-6	4-6	2500	1	*	cm	ir.c	cm.pbc	bclm
	Felixstowe ...	996.7	+22	W'S	3	zo	42	85	6	-	1	-	0	9+	-	994.2	-10	W'N	5	bc	40	85	7	-	-	-	Tr	Tr	2500	1	3	orrc	cm.ir	cm.pbc	bclm
	Gorleston ...	996.5	-24	W	3	c	41	85	6	5	7	-	7-8	7-8	2300	993.0	-10	W	3	bc	41	85	6	-	-	-	4-6	4-6	2500	1	2	cpr	cm	bcl	bcl
	Mildenhall ...	996.0	-26	WSW	4	c	42	85	8	5	7	-	2-3	9+	4500	994.0	-2	SW	3	c	38	92	7	-	-	-	7-8	5	3400	1	*	cm	ir.c	cpr	bcl
	Cranwell ...	994.9	-28	W	5	c	43	75	7	8	-	-	3+	9+	1500	993.6	0	W'S	4	zo	38	85	6	-	-	-	4-6	4-6	2000	1	*	bclm	c	bclm	bclm
3	Birmingham	996.8	-54	W	3	ir	42	85	6	5	7	-	7-8	10	1500	995.5	-6	W'N	3	zo	39	85	5	-	-	-	Tr	Tr	500	1	*	b	cir	cir	bcl
	Upper Heyford	997.5	-30	W'S	3	c	43	85	7	8	6	-	4-6	7-8	1800	996.5	+2	W	3	b	36	92	8	-	-	-	0	0	-	1	*	bccr	cir	bcl	bcl
4	Ross-on-Wye ...	997.5	-28	W'S	4	c	43	75	8	5	-	3	2-3	9+	2500	998.0	+6	W	3	b	40	85	8	-	-	-	2-3	2-3	2500	1	*	ebccrc	cpr	bcl	ir
5	Hartland Point	1000.4	-36	W'N	5	cpr	49	85	8	5	2	-	7-8	10	1000	1002.2	+14	W'N	5	c	46	65	8	-	-	-	7-8	7-8	2000	1	4	cpr	c	cpr	bcl
	Bristol ...	993.3	-38	W	3	c	45	85	8	5	3	-	2-3	9+	3000	993.8	-6	W	4	c	41	85	8	-	-	-	7-8	7-8	2000	1	*	cpr	c	cpr	bcl
	Portland Bill ...	1000.6	-40	W'N	5	c	48	92	5	5	2	-	4-6	10	2500	1000.5	-6	W	5	c	44	82	8	-	-	-	10	10	2500	1	4	cpr	c	cpr	bcl
	Plymouth ...	1003.3	-18	W'N	5	c	47	92	6	5	2	-	10	10	800	1004.1	+14	W'N	5	zo	47	75	6	-	-	-	2-3	9+	2000	1	3	cpr	c	cpr	bcl
	The Lizard ...	1004.4	-30	W'N	8	c	51	92	7	8	2	-	5	10	1200	1005.6	+10	W'N	7	cq	49	75	8	-	-	-	7-8	7-8	2000	1	4	cpr	c	cpr	bcl
	Scilly (St. Mary's)	1005.5	-30	W'N	8	c	51	92	6	5	2	-	7-8	10	1200	1007.0	+18	W'N	7	c	49	75	7	-	-	-	4-6	7-8	1500	1	5	cpr	c	cpr	bcl
	Guernsey ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Pembroke ...	1000.7	-8	W'N	6	cpr	42	97	7	8	-	-	9	9	1600	1001.5	+12	W'N	6	bc	46	75	7	-	-	-	4-6	4-6	2500	1	3	cpr	c	cpr	bcl
7	Holyhead ...	996.4	-14	W'N	6	c	45	85	8	8	7	-	4-6	9+	2000	996.7	+10	W'N	8	bc	45	75	8	-	-	-	2-3	2-3	2800	1	5	cpr	c	cpr	bcl
	Chester (Sealand)	996.1	-20	W'N	4	c	42	85	6	8	3	-	9+	10	2500	995.4	+6	W'N	5	bc	41	85	7	-	-	-	4-6	4-6	1200	1	*	c	c	c	bcl
8	Manchester ...	994.6	-10	W'S	4	c	42	85	7	8	6	-	4-6	9	2200	994.3	+4	W'N	3	bc	37	85	7	-	-	-	4-6	4-6	1800	1	*	cpr	c	cpr	bcl
10	Spurn Head ...	993.0	-18	W'N	3	c	41	92	7	5	4	-	7-8	9+	2500	990.6	-2	W'S	4	c	40	97	7	-	-	-	7-8	7-8	2500	0	3	c	c	c	bcl
	Catterick ...	991.8	-26	W'N	3	bc	44	75	8	3	6	-	4-6	4-6	2500	991.3	+6	W'N	3	c	38	85	7	-	-	-	4-6	7-8	2000	0		wpr	bcl	bcl	bcl
	Tynemouth ...	991.5	-20	W	3	c	42	75	7	2	3	-	4-6	7-8	2000	991.2	0	W'N	3	c	38	85	6	-	-	-	7-8	7-8	2500	1	2	c	bcl	bcl	bcl
11	St. Abbs Head	985.1	-8	W'N	5	bc	40	85	8	4	3	-	2-3	4-6	2500	988.6	-4	W'N	4	b	37	85	8	-	-	-	1	1	2500	0	3	bc	bcl	bcl	bcl
	Leuchars ...	988.6	-12	W'N	3	zo	39	85	6	8	7	-	1	2-3	4000	988.6	+10	W'N	2	zo	35	85	6	-	-	-	Tr	4-6	3200	1	*	xc	bcl	bcl	bcl
12	Renfrew (Abbots L.)	990.4	-14	W'N	3	c	42	85	8	3	3	-	4-6	7-8	2500	991.2	+2	W	1	c	36	97	6	-	-	-	9	9	1200	1	*	Pr	phq	pr	bcl
	Eskdalemuir ...	991.5	-14	W'S	3	bc	38	85	8	5	-	-	4-6	4-6	1500	990.3	-4	W'N	5	bc	34	85	8	-	-	-	2-3	4-6	1500	7	*	cpr	c	cpr	bcl
	Point of Ayre ...	993.5	-16	W'N	6	bc	43	92	8	5	-	-	4-6	4-6	1500	993.8	+6	W'N	6	c	42	92	8	-	-	-	7-8	9+	1500	1	4	c	bcl	bcl	bcl
13A	Tiree ...	989.9	0	W'N	6	phr	42	85	7	8	-	-	7-8	7-8	1500	990.6	+8	W'N	5	bc	42	75	7	-	-	-	4-6	4-6	1500	0	5	c	phq	cpr	cpr
13B	Stornoway ...	987.2	-14	SW	3	c	37	92	8	8	-	3	7-8	7-8	1500	988.0	+18	W'N	3	bc	37	97	8	-	-	-	2-3	2-3	1800	1	2	cpr	c	cpr	bcl
15	Dalwhinnie ...	989.3	-8	SW	3	bc	33	85	8	2	4	-	2-3	4-6	1500	988.6	+8	SW	2	c	31	85	8	-	-	-	4-6	7-8	1500	8	*	cpr	bcl	bcl	bcl
	Aberdeen ...	987.6	-10	W'N	3	bc	40	65	7	8	-	3	1	2-3	2500	988.0	+6	W'N	2	b	34	75	6	-	-	-	0	Tr	-	3	2	bcl	bcl	bcl	bcl
	Wick ...	985.9	-8	SW	3	bc	37	85	8	3	4	8	2-3	4-6	1500	986.7	+8	W	2	c	33	92	8	-	-	-	4-6	7-8	1500	1	1	c	bcl	bcl	bcl
16	Lerwick ...	985.8	0	S	4	c	40	85	8	7	-	-	4-6	7-8	800	986.0	0	SW	3	c	36	97	8	-	-	-	4-6	7-8	1500	1	*	cpr	c	cpr	bcl
17	Blacksod Point...	1000.1	+2	W'N	7	cq	45	75	7	5	-	-	7-8	7-8	800	1002.2	+18	W'N	7	PR	44	85	7	-	-	-	9	9	800	1	5	Pr	bcl	Pr	bcl
18	Malin Head ...	992.8	-8	W'N	6	c	43	92	7	8	-	-	4-6	7-8	1500	993.7	+18	W'N	6	phr	42	92	7	-	-	-	9	9	1500	1	5	cpr	c	cpr	bcl
	Aldergrove ...	995.0	-14																																

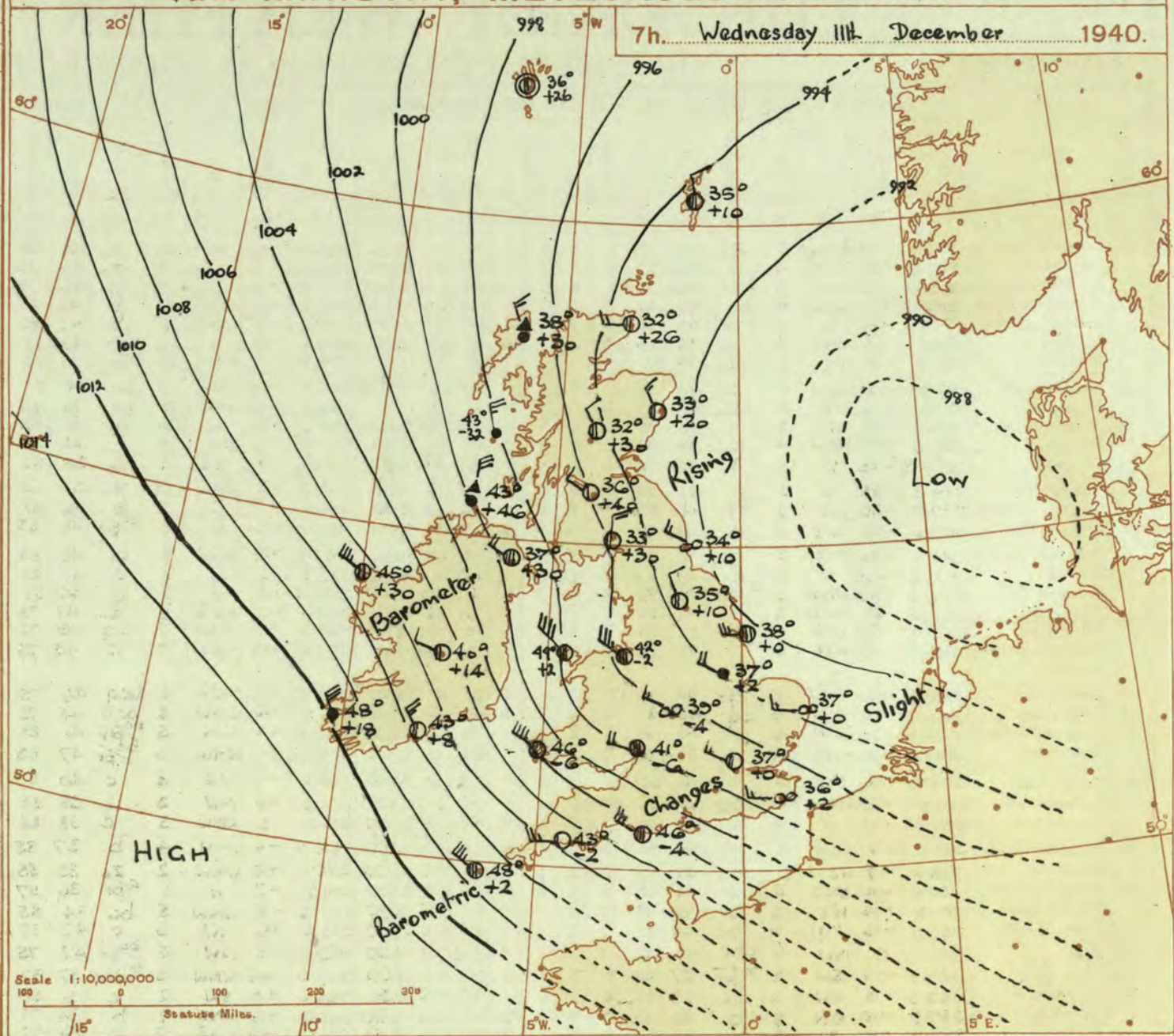
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th December 1940. 13h. G.M.T.										01h. G.M.T. 14th December 1940. 07h. G.M.T.									
III	C _M	ww	Vh	N _h	DDFWN	C _L	C _M	ww	Vh	N _h	DDFWN	C _L	C _M	ww	Vh	N _h	DDFWN	C _L	C _M
109	20	8104	2338	96	01853	20383	30	00942	20182	30	00852	24202							
115	52	8884	4574	85	88844	24387	87	88844	28285	87	81844	20285							
203					8-	81845	22486	8-	02945	24385									
206	83	01824	24385	86	01964	22385	81	25853	24185	30	02855	23115							
210	84	01853	22314							5-	25857	22387							
220					90	27745	24485			90	88745	27485							
230	86	25553	24385	90	27744	16184	86	02865	26386	30	26843	26383							
245	83	01853	22325	04	01890	24124	04	00990	26312	84	00851	23212							
260	20	27743	22383	13	05563	22284	03	05690	22103	54	05573	22103							
277	96	81846	25687	96	27846	24597	82	64647	60628										
279																			
285	3-	80745	26685	90	26744	26684				5-	03748	32578							
288	87	02854	18225	47	02853	22228	50	00861	22213	04	08490	26112							
273										30	01752	28282							
301	87	02744	25485	26	19655	61685	83	81646	60627	80	81645	60585							
321	53	05652	24467	86	25645	24387	00	05690	24300	57	05654	24228							
299	57	01744	22314	50	01743	22203	50	01751	22201	57	01743	26313							
292	37	02854	22325	46	02753	23426	44	00981	24311	8-	02857	00087							
310	--	02828	24423	--	85428	24528				--	86528	24588							
316	57	01644	24328	8-	81547	26487	97	02645	60588	8-	81546	25388							
333	27	02853	57586	23	14855	60626	20	14855	57725	2-	02857	57887							
334	--	03244	25227								89555	22668							
340	8-	81846	24385	80	81745	25485	3-	81746	61686	9-	81748	59688							
136	57	05654	21467	1-	05664	20384	56	25754	24485	50	05654	24414							
336	52	01754	24465	62	89759	28587				62	82754	23686							
350	83	25755	22485							57	05654	22385							
368																			
379	5-	25657	24387	--	05690	24301	04	00790	26401	5-	01745	26415							
390	53	05656	26418	04	05690	25382	53	05653	24414	5-	05656	24566							
382	57	02645	24467	--	00790	24300	03	00790	24301	56	01864	24314							
428	5-	10747	25617							8-	02755	26515							
430	57	81765	24486	03	00890	24411	00	00890	28500	53	01763	26514							
409	62	64626	50828	23	02843	60766	20	01854	59624	23	25745	61685							

III = 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_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L, 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 11th December 1940.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 11th December

1 S.E. England	Moderate to fresh northwest winds, decreasing slowly, squally rain and hail showers today but some bright periods; mainly fair or fine tomorrow: cold with some frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh, squally northwest winds, strong to gale at first on coasts, moderating; squally showers of rain and hail with a chance of local thunder to-day: considerable bright periods tomorrow: cold.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Moderate northwest to north winds, bright periods; occasional wintry showers of hail, sleet or snow; cold, frost at night.
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	As 5-8

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

GENERAL INFERENCE.

A depression centred over the North Sea will drift away southeastwards and become less deep, and a ridge of high pressure will move in from the Atlantic. There will be some further squally rain and hail showers to-day but with considerable bright periods. In the North the showers will be of sleet and snow. Fairer conditions with more localised wintry showers will prevail tomorrow. It will be cold generally with frost at night.

FURTHER OUTLOOK.

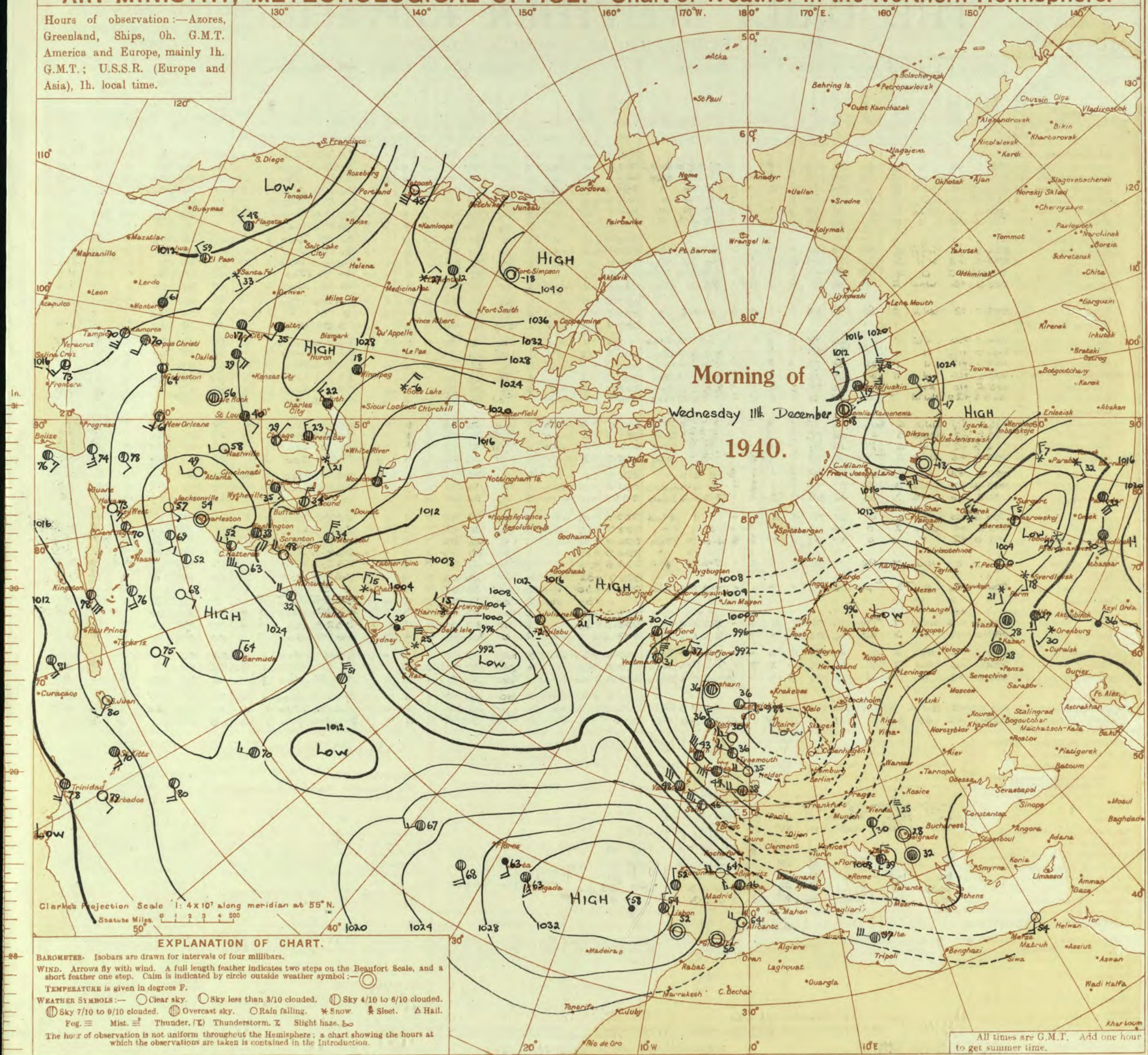
A depression on the Atlantic will move east causing a renewal of unsettled weather.

Gale warnings in operation in districts 5, 6, 7, 8, 12, 13a, 13b, 17, 18, 19, and 20, 1620h on 9.12.40

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.
H.M.S.O. Press, Cornhill 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. 11th December														OBSERVATIONS at 7 hr. G.M.T. 11th December														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)	TEMPERATURE.			RAINFALL.		SUNSHINE 10th Hrs. (36)				
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Form. (23)			Amount. (24)	Height of Base. (feet) (28)					Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-15h mm. (34)		Night 15h-7h mm. (35)									
																													0-12	0-12	0-10	0-10		0-10	0-10	0-10	0-9
1	London (Kew) ... 18	217	30.2	+4	W	4	bc	38	85	7	-	-	-	30.2	0	W	4	bc	38	75	6	5	-	2-3	2-3	2500	1	46	38	30	0.1	-	1.0				
	Croydon ... 226	226	30.2	+4	W	4	bc	38	85	7	-	-	-	30.2	0	W	4	bc	37	85	6	5	4	3	2-3	4-6	4000	1	46	36	33	Tr	-	1.2			
	S. Farnborough ... 417	417	30.3	+4	W	4	bc	38	85	7	-	-	-	30.3	-2	W	4	bc	38	75	7	5	3	1	7-8	3	3400	1	47	36	32	Tr	-	1.2			
	Boscombe Down ... 8	1000	30.2	+4	W	4	bc	41	75	8	-	-	-	30.2	-4	W	4	bc	42	75	8	5	-	-	4-6	4-6	3000	1	45	37	33	2	-	0.6			
	Calshot (Stmntn.) ... 346	346	30.7	+2	W	3	b	37	83	7	-	-	-	30.7	+2	W	3	b	38	85	6	5	3	-	2-3	7-8	3000	1	47	40	36	0.6	-	0.7			
	Lympne ... 154	154	30.3	+6	W	5	bc	36	85	6	-	-	-	30.4	0	W	4	bc	38	85	6	5	3	3	4-6	7-8	4000	1	47	40	36	0.3	0.2	1.2			
2	Shoeburyness ... 11	11	30.4	+2	W	4	bc	39	85	7	-	-	-	30.4	0	W	4	bc	38	85	6	5	-	-	3	2	2500	1	46	37	30	1	Tr	0.7			
	Felixstowe ... 15	15	30.3	+3	W	3	bc	37	85	6	-	-	-	30.3	+2	W	3	bc	38	85	6	5	-	-	3	2	1200	1	43	38	34	5	0.5	0.9			
	Gorleston ... 5	5	30.3	+3	W	3	bc	37	85	6	-	-	-	30.3	0	W	3	bc	37	85	6	5	-	-	3	2	1500	1	42	35	31	1	-	1.0			
	Mildenhall ... 19	19	30.4	+6	W	4	bc	37	85	7	-	-	-	30.4	+2	W	4	bc	37	85	6	5	-	-	3	2	2200	1	43	35	30	1	4	0.8			
	Cranwell ... 240	240	30.4	+6	W	4	bc	36	82	6	-	-	-	30.4	+2	W	4	bc	37	85	6	5	-	-	3	2	1000	1	44	36	33	1	2	1.2			
3	Birmingham ... 535	535	30.7	+2	W	4	bc	37	85	7	-	-	-	30.7	-4	W	4	bc	38	85	5	6	-	-	4	6	1500	1	43	36	31	7	0.3	0.9			
	Upper Heyford ... 408	408	30.7	+2	W	4	bc	37	85	7	-	-	-	30.7	-4	W	4	bc	38	85	5	6	-	-	4	6	1500	1	43	34	30	1	-	0.8			
4	Ross-on-Wye ... 223	223	30.7	+2	W	4	bc	37	85	7	-	-	-	30.7	-4	W	4	bc	38	85	5	6	-	-	4	6	1500	1	43	38	34	12	3	0.8			
5	Hartland Point ... 299	299	30.4	+10	NW	7	bc	46	75	8	-	-	-	30.4	-4	NW	6	bc	46	75	8	3	-	-	4	6	2000	1	43	42	39	4	1	0.0			
	Bristol ... 209	209	30.3	+12	W	4	bc	38	85	7	-	-	-	30.3	-12	W	6	bc	40	85	7	5	-	-	4	6	3000	1	46	37	31	2	-	0.0			
	Portland Bill ... 32	32	30.2	+12	W	5	bc	45	75	8	-	-	-	30.2	-4	W	5	bc	46	85	8	5	-	-	4	6	2500	1	46	43	31	2	-	0.0			
	Plymouth ... 82	82	30.6	+14	W	5	bc	45	75	7	-	-	-	30.6	-2	W	5	bc	43	85	7	3	-	-	3	2	1600	1	52	42	38	13	1	0.0			
	The Lizard ... 240	240	30.4	+10	NW	7	bc	46	75	8	-	-	-	30.7	-2	NW	6	bc	47	75	8	8	6	-	-	4	6	2000	1	51	42	31	3	3	0.0		
	Scilly (St. Mary's) ... 163	163	30.2	+20	NW	7	bc	46	85	7	-	-	-	30.3	+2	NW	7	bc	47	75	7	8	6	-	-	4	6	1500	1	51	45	31	3	1	0.0		
	Guernsey ... 175	175	30.3	+20	NW	7	bc	46	85	7	-	-	-	30.3	+2	NW	7	bc	47	75	7	8	6	-	-	4	6	1500	1	51	45	31	3	1	0.0		
6	Pembroke ... 142	142	30.7	+6	W	4	bc	45	85	7	-	-	-	30.7	+2	W	4	bc	46	85	7	5	-	-	4	6	2500	1	46	44	31	2	-	0.2			
	Holyhead ... 26	26	30.7	+2	W	4	bc	44	85	8	-	-	-	30.7	+2	W	4	bc	44	85	8	8	-	-	4	6	2500	1	47	42	40	1	Tr	2.1			
	Chester (Sealand) ... 16	16	30.3	+2	W	4	bc	42	85	7	-	-	-	30.3	-2	W	4	bc	42	85	7	3	-	-	4	6	2000	1	45	40	34	4	3	0.9			
8	Manchester ... 70	70	30.3	+4	W	4	bc	41	85	7	-	-	-	30.3	+2	W	4	bc	41	85	7	8	-	-	4	6	1200	2	44	34	32	0.6	7	0.0			
10	Spurn Head ... 29	29	30.2	+4	W	6	bc	38	85	7	-	-	-	30.2	0	W	5	bc	38	85	7	4	-	-	4	6	2500	0	42	37	31	2	-	0.5			
	Catterick ... 175	175	30.2	+4	W	6	bc	37	85	8	-	-	-	30.2	+10	W	5	bc	38	85	7	4	-	-	4	6	2500	0	45	34	29	Tr	-	4.0			
	Tynemouth ... 108	108	30.1	+6	W	3	bc	36	85	7	-	-	-	30.3	+10	W	3	bc	34	85	6	-	-	-	-	3	2	42	33	29	-	-	*				
11	St. Abbs Head ... 280	280	30.6	+10	NW	4	b	37	75	8	-	-	-	30.3	+18	NW	4	bc	37	85	7	4	4	-	-	2	3	2500	0	40	37	31	-	-	*		
	Leuchars ... 36	36	30.5	+8	NW	2	b	35	85	7	-	-	-	30.3	+22	NW	3	bc	35	85	7	5	7	-	-	2	3	4000	3	41	31	24	-	-	3.9		
12	Renfrew (Abbots I.) ... 19	19	30.2	+2	-	0	c	37	92	8	-	-	-	30.6	+40	NW	2	b	36	92	7	5	-	-	1	1	2500	1	43	33	28	6	0.1	2.3			
	Eskdalemuir ... 794	794	30.2	0	-	0	c	37	92	8	-	-	-	30.4	+30	N	4	bc	33	85	7	5	-	-	2	3	1500	7	38	32	28	4	-	1.3			
	Point of Ayre ... 30	30	30.4	0	NW	7	PR	42	92	8	-	-	-	30.5	+18	N	6	bc	42	97	8	8	-	-	2	3	1500	1	45	36	31	0.4	15	2.3			
13A	Tiree ... 22	22	30.4	+20	N	3	c/pr	36	92	7	-	-	-	30.2	+32	NNW	5	pr	43	85	7	3	-	-	4	6	1500	1	44	39	31	6	2	1.0			
13B	Stornoway ... 80	80	30.4	+20	N	3	c/pr	36	92	7	-	-	-	30.6	+30	NNW	3	pr	38	85	7	3	-	-	4	6	1500	1	44	39	31	6	2	1.0			
15	Dalwhinnie ... 1176	1176	30.4	+20	N	3	c/pr	36	92	7	-	-	-	30.6	+30	NNW	3	pr	38	85	7	3	-	-	4	6	1500	1	44	39	31	6	2	1.0			
	Aberdeen ... 79	79	30.4	+20	N	3	c/pr	36	92	7	-	-	-	30.6	+30	NNW	3	pr	38	85	7	3	-	-	4	6	1500	1	44	39	31	6	2	1.0			
	Wick ... 81	81	30.4	+14	W	2	bc	33	97	8	-	-	-	30.3	+26	W	3	bc	32	97	8	3	4	-	-	2	3	1500	3	41	31	22	-	-	1.9		
16	Lerwick ... 156																																				

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 12th December, 1940.

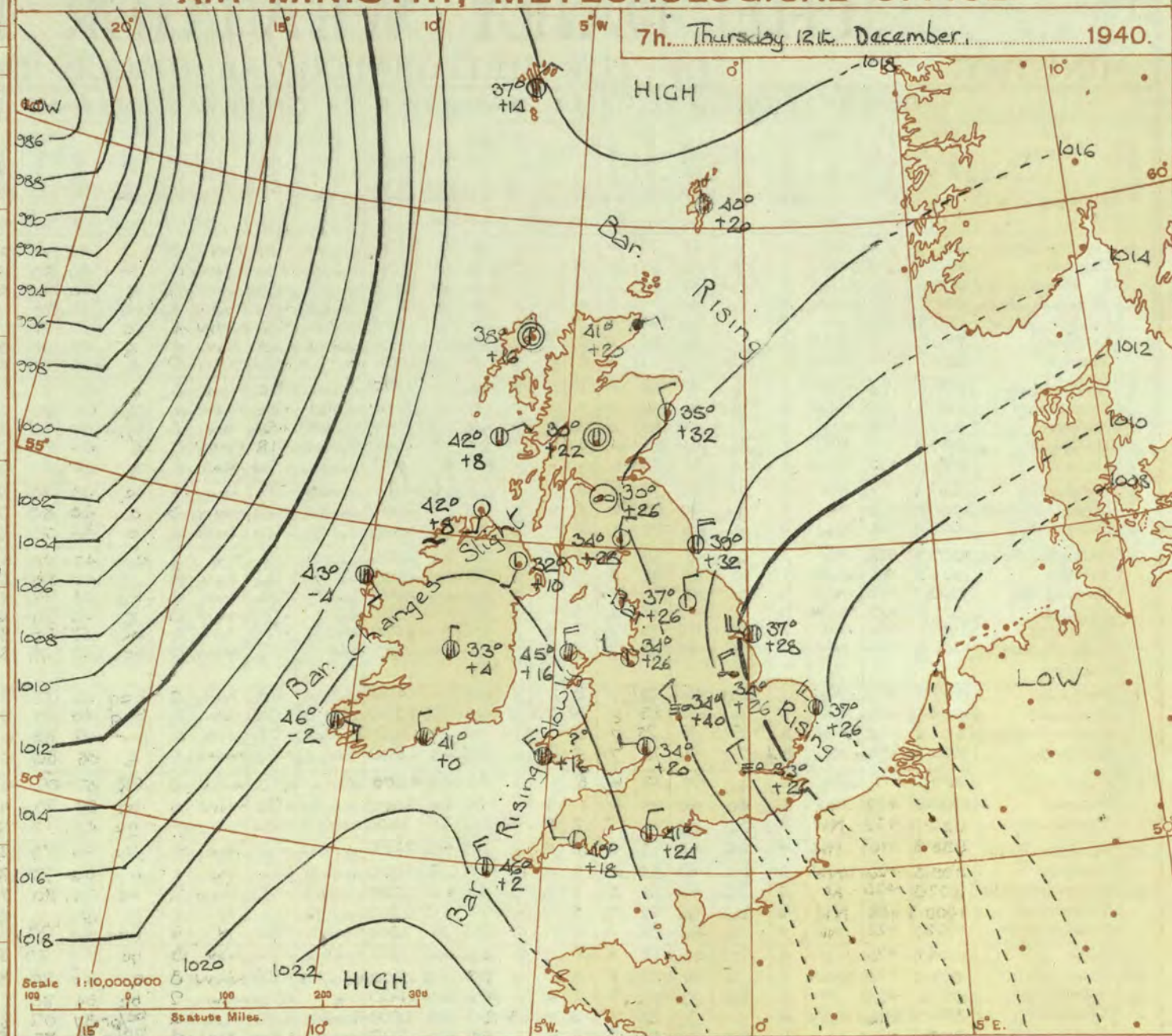
No. 28875.

OBSERVATIONS at 13h. G.M.T. 11th December														OBSERVATIONS at 18h. G.M.T. 11th December														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. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Direc. (3)	Force. 0-12 (4)					Form.	Amount.		Height of Base. (feet) (14)			Direc. (17)	Force 0-12 (18)					Form.	Amount.		Height of Base (feet) (28)			7h.—13h. 11th.... (37)	13h.—18h. 11th.... (38)	18h.—11h. 12th.... (39)	1h.—7h. 12th.... (40)			
											Low.	Med.											High.	Low								Total	Low	Total
1	London (Kew)...	1000.0	+12	NW	5	c/r	42	75	6	8	9	9	2500	1004.3	+26	NW	3	z	40	75	6	5	1	*	bccirrcmc	crg bcm	bcmobx	bmoaf						
	Croydon	995.2	+10	NW	5	c/r	40	85	6	9	10	10	1800	1004.8	+30	NW	3	z	30	85	4	5	1	*	cm.pr	cm bcm	bcc bmo	bxcn						
	S. Farnborough	1000.6	+12	NW	4	c/r	41	85	8	8	9	9	2000	1005.3	+30	WNW	3	c	40	75	8	6	3	7-8	9+	2500	1	*	bccprbc	cbcc	bcc bmo	bxcn		
	Boscombe Down	1001.7	+10	NW	6	c	44	75	8	8	9	9	3000	1005.8	+30	WNW	4	bc	41	75	7	8	1	4-6	4-6	3000	1	*	cbcc	cbcc	pr bcc	bcc bmo		
	Calshot (Soton.)	1001.3	+10	NW	6	c	45	65	8	7	9	9	3500	1005.8	+26	WNW	4	bc	41	75	7	8	1	4-6	4-6	2500	1	2	bccpr	cbcc	pr bcc	bcc bmo		
	Lympne	998.5	+10	WNW	4	c/r	39	85	6	9	9	9	900	1006.8	+24	NW	4	z	37	85	6	5	1	4-6	4-6	2500	1	2	bccpr	cbcc	pr bcc	bcc bmo		
	Manston	997.7	+12	WNW	5	c/r	39	92	6	8	9	9	600	1007.4	+26	WNW	5	z	38	85	5	5	1	4-6	4-6	2500	1	2	cbcc	cbcc	pr bcc	bcc bmo		
2	Shoeburyness ...	995.2	+18	NW	3	c	38	92	6	5	10	10	2500	1005.4	+26	WNW	3	b	37	92	7	1	1	4-6	4-6	2500	1	3	cm.pr	cm bcm	bcc bmo	bxcn		
	Felixstowe	997.2	+14	NW	5	c/r	38	92	6	9	10	10	800	1006.1	+30	WNW	4	z	38	85	5	5	1	4-6	4-6	2500	1	3	cpr pr	cm bcm	bcc bmo	bxcn		
	Gorleston	997.0	+14	NW	3	c	40	85	6	8	7	7	2000	1005.3	+24	NW	3	c/r	40	85	6	8	1	4-6	4-6	2500	1	2	bcc bz	cbcc	pr bcc	bcc bmo		
	Mildenhall	997.8	+18	NE	4	z	40	85	6	8	7	7	2000	1005.3	+18	WNW	3	b	34	92	6	4	1	4-6	4-6	2500	1	*	q.pr	cm bcm	bcc bmo	bxcn		
	Cranwell	999.6	+30	NNW	4	bc	41	75	6	5	2-3	2-3	2500	1004.1	+26	NNW	4	z	38	85	5	5	1	4-6	4-6	2500	1	*	cm.bccz	bcc bz	bcc bmo	bxcn		
3	Birmingham	1002.8	+14	NW	4	bc	41	75	6	8	2	4-6	4-6	1500	1005.8	+72	NW	4	bc/r	38	85	6	8	1	4-6	4-6	1500	1	*	cbcc	cbcc	pr bcc	bcc bmo	
	Upper Heyford	1001.0	+30	NW	4	z	40	85	6	8	1	4-6	4-6	2000	1005.3	+26	NNW	5	c	38	85	7	8	1	4-6	4-6	2000	1	*	bccpr	cbcc	pr bcc	bcc bmo	
	Ross-on-Wye ...	1003.5	+26	NW	4	c	43	75	8	8	1	4-6	4-6	2500	1007.2	+20	NNW	3	b	39	75	8	4	1	4-6	4-6	2500	1	*	pr bcc	cbcc	pr bcc	bcc bmo	
5	Hartland Point	1007.9	+28	NW	7	c	45	75	8	8	1	4-6	4-6	2000	1010.6	+14	NW	7	c	47	65	8	8	1	4-6	4-6	2500	1	4	bcc	cbcc	pr bcc	bcc bmo	
	Bristol ...	1003.9	+26	NNW	5	c	44	75	8	2	6	7-8	7-8	1800	1008.0	+20	NNW	3	c	40	85	8	4	1	4-6	4-6	2500	1	*	bccpr	cbcc	pr bcc	bcc bmo	
	Portland Bill ...	1003.7	+12	NW	5	bc	46	85	8	5	1	4-6	4-6	4000	1007.5	+24	NNW	3	bc	44	85	8	5	1	4-6	4-6	4000	1	4	bcc	cbcc	pr bcc	bcc bmo	
	Plymouth ...	1008.6	+22	NNW	5	bc	47	85	8	8	1	4-6	4-6	2000	1011.7	+22	NNW	5	z	46	75	6	2	1	4-6	4-6	2000	1	3	bccpr	cbcc	pr bcc	bcc bmo	
	The Lizard ...	1010.6	+16	NW	7	bcq	47	75	8	6	1	4-6	4-6	2500	1013.6	+20	NNW	6	bc	47	75	8	8	1	4-6	4-6	2500	1	3	pr bcc	cbcc	pr bcc	bcc bmo	
	Scilly (St. Mary's)	1012.6	+24	NW	7	bc	49	65	7	8	4	4-6	4-6	1500	1014.8	+12	NNW	5	bc	47	65	8	8	4	4-6	4-6	1500	1	4	cbcc	cbcc	pr bcc	bcc bmo	
	Guernsey ...	1012.6	+24	NW	7	bc	49	65	7	8	4	4-6	4-6	1500	1014.8	+12	NNW	5	bc	47	65	8	8	4	4-6	4-6	1500	1	4	cbcc	cbcc	pr bcc	bcc bmo	
6	Pembroke ...	1007.8	+20	NW	6	bcq	46	75	7	2	1	4-6	4-6	2500	1010.4	+10	NW	6	bcq	46	75	7	2	1	4-6	4-6	2500	1	3	bcc	cbcc	pr bcc	bcc bmo	
	Holyhead ...	1004.7	+26	NNW	7	c	45	85	8	8	7	2	4-6	7-8	2200	1008.3	+26	NW	7	bcq	46	85	8	4	1	4-6	4-6	2500	1	4	pr bcc	cbcc	pr bcc	bcc bmo
	Chester (Sealand)	1002.0	+28	NNW	3	c/r	43	75	7	3	1	9	9	1200	1008.3	+28	NNW	5	phr	42	85	6	8	1	10	10	1000	1	*	pr bcc	cbcc	pr bcc	bcc bmo	
	Manchester ...	1001.8	+34	NW	3	c	41	75	7	4	3	6	2-3	2-3	2800	1005.3	+26	NNW	1	z	38	85	5	2	1	1	2500	1	*	cm.pr	cbcc	pr bcc	bcc bmo	
10	Spurn Head ...	997.5	+18	WN	5	c	40	85	6	8	1	4-6	7-8	4000	1001.1	+12	NNW	6	pr	37	92	6	6	2	7-8	10	1500	0	4	bcc	cbcc	pr bcc	bcc bmo	
	Catterick ...	1000.2	+22	NW	3	bc	40	75	8	1	3	4-6	4-6	3000	1004.6	+28	NNW	3	bc	37	75	8	4	1	4-6	4-6	3500	1	2	bcc	cbcc	pr bcc	bcc bmo	
	Tynemouth ...	995.7	+22	NW	3	bc	39	75	7	2	4	2-3	2-3	3600	1003.8	+20	NW	4	bc	38	75	6	2	3	4-6	4-6	3400	1	2	bc	cbcc	pr bcc	bcc bmo	
11	St. Abbs Head	998.3	+16	NW	4	bc	40	75	8	5	4	2-3	4-6	2500	1008.6	+20	NW	4	bc	40	75	8	4	4	2-3	4-6	2500	0	3	bcc	cbcc	pr bcc	bcc bmo	
	Leuchars ...	995.3	+26	NNW	3	bc	40	75	8	8	4	2-3	2-3	4000	1004.9	+34	N	1	b	36	75	8	8	1	4-6	4-6	2500	3	*	bcc	cbcc	pr bcc	bcc bmo	
	Reafrew (Abbots L.)	1002.3	+26	N	2	bc	43	75	9	8	3	4-6	4-6	2500	1007.3	+22	NNW	2	bc	36	85	7	2	3	4-6	4-6	2500	1	*	bcc	cbcc	pr bcc	bcc bmo	
	Esdailemuir ...	1000.8	+24	NW	3	bc	36	75	7	5	7	1	2-3	2500	1005.7	+30	N	4	b	35	75	8	2	1	4-6	4-6	2500	1	4	bcc	cbcc	pr bcc	bcc bmo	
	Point of Ayre ...	1002.7	+22	NNW	6	c	45	85	8	8	3	7-8	9	2500	1006.7	+28	N	6	bc	44	85	8	2	1	4-6	4-6	2500	1	4	cprc	cbcc	pr bcc	bcc bmo	
13A	Tiree ...	1004.4	+26	NW	3	bc	44	75	8	8	1	4-6	4-6	1800	1009.0	+24	NW	5	bc	44	75	8	8	1	4-6	4-6	1800	0	5	cprc	cbcc	pr bcc	bcc bmo	
13B	Stornoway ...	1003.3	+26	NNW	3	c	41	75	8	8	1	7-8	7-8	1500	1007.3	+22	NNW	3	c	40	85	8	8	1	4-6	4-6	1500	1	2	cprc	cbcc	pr bcc	bcc bmo	
15	Dalwhinnie ...	1001.5	+26	N	3	bc	35	92	8	2	4	4-6	4-6	2500	*	+30	NNW	2	bc	34	85	8	2	1	4-6	4-6	1500	8	*	cprc	cbcc	pr bcc	bcc bmo	
	Aberdeen ...	999.4	+26	NNW	4	c	37	85	7	3	3	2-3	7-8	2500	1003.8	+30	NNW	4	bc/pr	37	92	8	9	1	4-6	4-6	2500	1	2	pr bcc	cbcc	pr bcc	bcc bmo	
	Wick ...	999.5	+30	W	3	bc	37	85	8	3	4	4-6	4-6	1500	1003.6	+30	NNW	3	bc/pr	37	92	8	8	7	1	4-6	4-6	1500	3	1	pr bcc	cbcc	pr bcc	bcc bmo
	Lerwick ...	999.4	+22	E	3	c/r	38	92	8	8	2	7-8	9+	800	1004.8	+24	NW	3	c	38	85	8	7	1	4-6	4-6	1500	1	*	er r	cbcc	pr bcc	bcc bmo	
17	Blacksod Point..	1012.4	+16	NW	5	bc	47	75	8	3	1	2-3	2-3	1500	1015.2	+18	NNW	4	c	46	75	8	3	1	4-6	4-6	1500	0	2	bc	cbcc	pr bcc	bcc bmo	
18	Malin Head ...	1005.7	+30	N	6	phr	44	97	7	3	1	7-8	7-8	1500	1010.0	+38	N	6	bc	46	85	8	2	1	4-6	4-6	2500	1	5	cprc	cbcc	pr bcc	bcc bmo	
	Aldergrove ...	1005.6																																

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 11th December				18h. G.M.T.				01h. G.M.T. 12th December			
III	C _M	wwVhN _H	DDFWN	C _M	wwVhN _H	DDFWN	C _M	wwVhN _H	DDFWN	C _M	wwVhN _H
109	3	01954	26384	80	21953	32263	53	00962	03283	50	00863
115	87	81944	32485	87	81844	32385	87	01944	08385	51	01953
203							2-	01944	32414		
206	86	01964	25214	44	00962	28213	50	01963	00013	30	00962
210	84	02855	25485	80	00962	26382	83	25954	28185	40	00853
220				83	01854	00014				24	01753
230	86	25945	61586	86	26853	30384	40	01954	30214	00	00830
245	84	00562	32513	30	00961	30101	86	81853	30424	84	00951
260	53	01852	28114	40	05661	00011	04	05630	24101	00	05630
277				30	27154	61684	80	00952	30302	40	00851
279	83	01853	26215							50	01753
285	20	01844	30414	50	01744	32514				20	01744
288	34	05553	28344	20	08452	28312	20	05552	26212	4-	08455
273											
301	8-	05643	30385	30	05644	30414	00	00780	51300	00	05530
321	37	17552	26384	00	17490	26410	00	05530	26300	04	05530
299	87	05644	26415	5-	66538	25468	5-	22644	53564	30	01744
292	36	01853	25314	04	00790	25201	24	00861	28311	40	00862
310	--	01634	26414	--	01635	26415				--	01633
316	04	01690	30213	00	08490	28210	04	05530	28301	00	05530
333	26	02845	61727	20	02855	63725	20	01854	04524	20	01855
334	**	25655	30327							**	64556
340	9-	25747	30287	30	25745	26385	00	05630	28300	50	06763
136	36	05652	27564	8-	81665	28415	5-	05638	28488	50	01761
336	62	82754	28486	44	02753	28514				10	01752
350	87	00643	26483							04	05630
368											
379	20	01744	26514	8-	25737	28387	00	05630	26400	00	05630
390	5-	02657	28487	00	08490	28510	00	05530	27400	04	08490
382	86	01844	28415	83	02754	28425	00	00830	27200	00	05630
428	8-	02856	26516							50	01754
430	9-	81846	61686	36	81545	63615	00	00790	30400	00	05630
409	2-	02755	63725	20	01854	61614	20	01855	63615	13	02854

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 (3 = E, 18 = S, 24 = W, 32 = N).

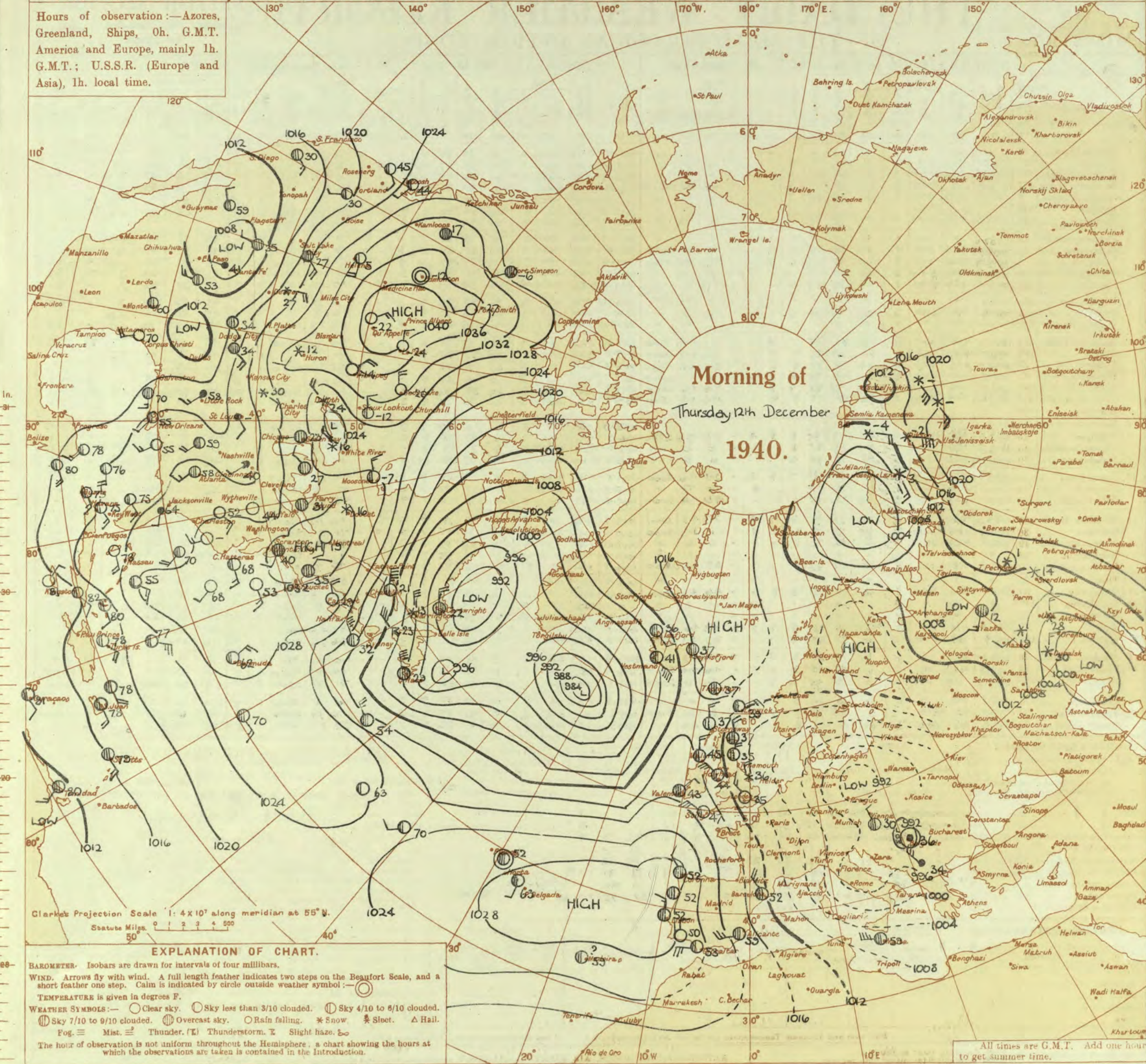
AIR MINISTRY, METEOROLOGICAL OFFICE.



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

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 12th December, 1940.

No. 28875.

OBSERVATIONS at 1 hr. G.M.T. 12th December															OBSERVATIONS at 7 hr. G.M.T. 12th December															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9-14)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23-28)					Barom. at M.S.L. (29)	Change in 3 hours. (30)	Wind. (31)		Weather. (33)	Temp. °F. (34)	Humid. % (35)	Visibility. (36)	TEMPERATURE. (37-41)					RAINFALL. (42-44)			SUNSHINE (45)																																																																																																																																																																																																																																																																																																																																																												
					Dir.	Force.					Form.	Amount.	Height of Base. (feet)	Dir.	Force.			Form.	Amount.					Height of Base. (feet)	Dir.	Force.	Form.	Amount.			Height of Base. (feet)	Dir.					Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.		Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (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.	

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

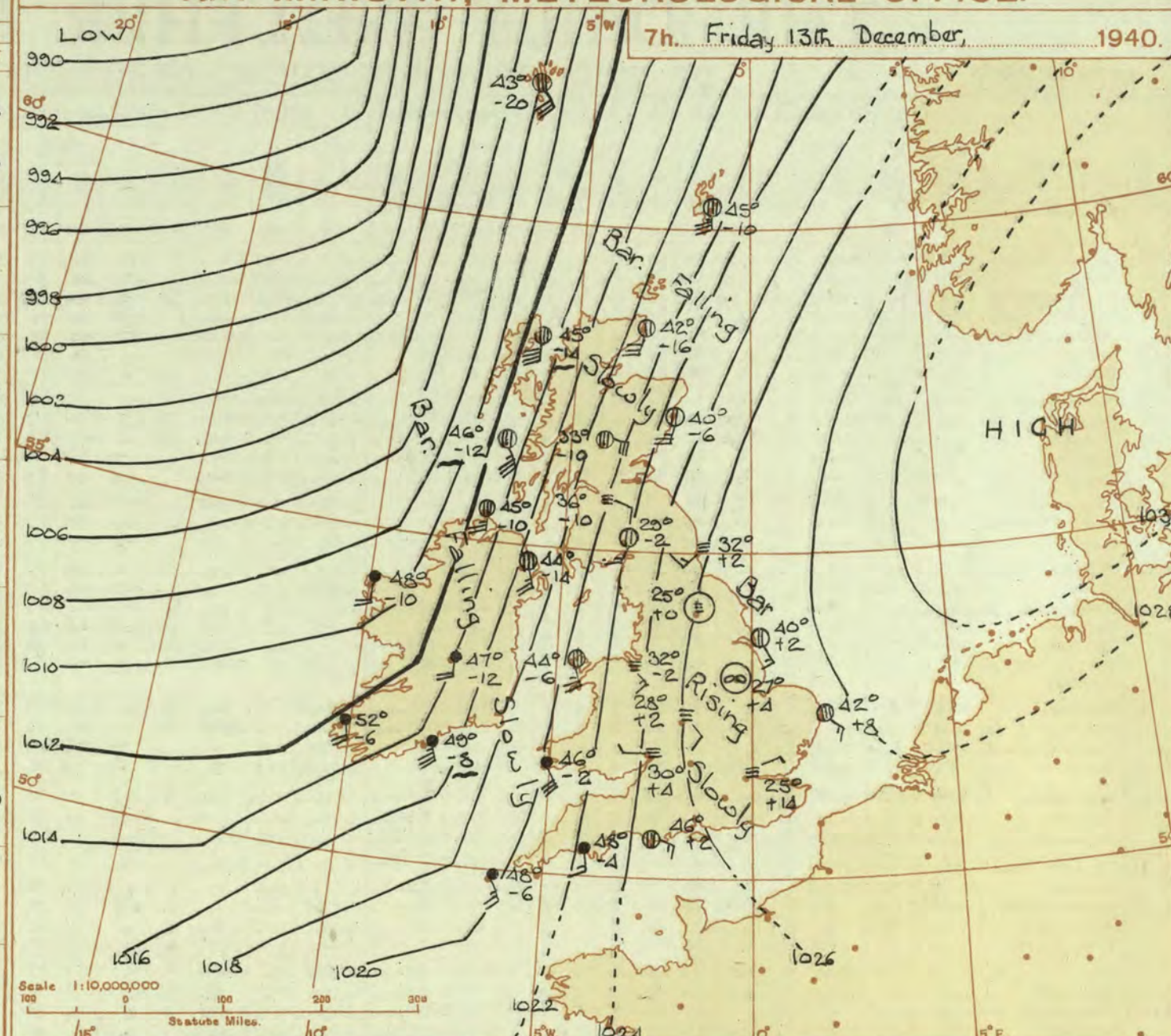
OBSERVATIONS at 13h. G.M.T. 12th December														OBSERVATIONS at 18h. G.M.T. 12th December														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Barom. M.S.L. mb. (25)	Change in 8 hours. (26)	Wind.		Weather.	Temp. °F. (30)	Humid. % (31)	Visibility. 0-9 (32)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Direc.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (11) (12)	Height of Base. (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low 0-10 Total 0-10 (23) (24)	Height of Base. (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)									7h.—13h. ... (37)	13h.—18h. ... (38)	18h.—24h. 1h.—13h. ... (39)	1h.—7h. ... (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Calshot (Soton.) ... Lymington ... Manston ...	1018.5 1017.9 1018.2 1019.7 1018.8 1017.7 1016.6	+1.0 +1.0 +1.4 +1.0 +1.8 +1.8 -1.2	NNW NNW NNW NNW NNW NNW NNW	3 2 3 3 4 2 2	N N N N N N N	41 40 42 42 44 38 38	70 70 65 65 65 85 85	6 6 6 6 7 6 6	- - - - - - -	- - - - - - -	0 1 1 2-3 1 1 0	0 0 0 0 0 0 0	1022.1 1021.8 1022.0 1022.2 1020.8 1021.1 1020.2	+2.6 +2.2 +2.6 +2.4 +2.2 +3.2 +1.4	NW NW NW NW NW NW NW	2 2 2 2 2 2 2	1 1 1 1 1 1 1	36 38 39 38 38 33 32	32 35 35 35 35 37 37	3 3 3 3 3 4 4	- - - - - - -	- - - - - - -	0 0 0 3-4 10 1 4-6	0 0 0 4000 1600 700 2000	- - - - 1600 700 2000	1 1 1 1 1 1 1	1 1 1 1 1 1 1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*</

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th December 18h. G.M.T.						01h. G.M.T. 13th December 07h. G.M.T.						
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN
109	8-	05663	12143	00	00630	16300	50	01751	17514	5-	01764	51615
115	73	01953	16314	51	01954	16315	53	02854	16326	52	03855	16328
203										8-	02838	16628
206	03	01890	00014	00	00730	00013	00	05630	00015	87	02855	00026
210	50	00562	12112	00	00730	12100	00	01890	16315	07	02890	17423
220				52	03745	16525				62	58536	18758
230	04	00900	12103	04	05630	12102	07	05630	14227	5-	05658	14428
245	8-	02857	28187	53	47361	24284	00	05530	18342	53	02751	17617
260	04	05590	00012	00	45330	00040	00	05630	12143			
277				17	01761	10313	57	05665	12628	5-	05668	13628
279	00	05590	00002	00	08430	08100	00	43330	04340	03	01730	14314
285	20	01744	06414	20	01635	08315				50	01745	04303
288	20	05553	12183	00	45330	20110	04	47190	00041	00	47130	00040
273	53	02653	1421									
301	00	05530	32140	00	45330	12140	00	45330	08140	03	08430	10344
321	80	05653	30213	04	47330	30101	51	43141	00044	--	46009	00049
299	80	01743	08283	57	01744	10215	50	00752	10202	5-	05648	20228
292	80	05652	26312	00	47330	00040	00	45130	00040	--	46109	00049
310	--	04533	26413	--	08434	32414				--	01533	26413
316	50	05461	28211	00	47230	01240	00	08430	00040	00	45330	32140
333	47	01951	00014				07	05630	14627	52	05654	44628
334	34	08454	00014							--	03655	16628
340	00	05630	30202	00	47330	00040	00	47130	14340	--	48303	14443
136	86	10645	30286	40	01761	04201	00	00730	06100	06	01790	10214
336	54	01752	08414	54	01753	32414				51	03754	32418
350	50	05564	26314							00	43330	24140
368	86	05652	25213							--	46109	12249
379	05	05690	26303	00	00830	32100	00	47090	08140	--	46109	12249
390	00	05530	28120	00	47330	28340	00	43330	00040	00	47230	00040
382	04	01730	30302	00	08430	00000	00	47130	00040	--	46009	00049
438	00	00730	30100							50	01654	12114
430	10	00352	28202	50	05566	00016	00	47230	00040	03	43330	02142
409	47	02861	32128	5-	05668	16128	52	61751	11368	5-	02668	11668

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_u, 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



Mb. 1060, 1040, 1020, 1000, 980, 960, 940, 920, 900, 880, 860, 840, 820, 800, 780, 760, 740, 720, 700, 680, 660, 640, 620, 600, 580, 560, 540, 520, 500, 480, 460, 440, 420, 400, 380, 360, 340, 320, 300, 280, 260, 240, 220, 200, 180, 160, 140, 120, 100, 80, 60, 40, 20, 0.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 13th December.

1 S.E. England	Light or moderate southeast wind. Fair. Fog persisting locally. Rather cold.
2 E. England ...	Frost at night.
3 E. Midlands ...	
4 W. Midlands ...	Light or moderate south wind. Fair at first. Slight rain later. Rather cold becoming slowly milder.
5 S.W. England	Moderate southeast to south wind strong locally on coasts. Cloudy.
6 South Wales ...	Occasional rain; rather cold, becoming slowly milder.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Moderate south wind, fresh or strong on coasts. Fair at first, light rain later. Rather cold becoming slowly milder.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate south wind fresh or strong on coasts, gale locally, cloudy, occasional rain; milder.
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	Moderate south to southwest winds fresh on coasts. Occasional rain. Mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

GENERAL INFERENCE.

An anticyclone centred about Southern Scandinavia is moving slowly southeast. A depression over Iceland is moving northeast and an associated trough extending from Ireland to the Bay of Biscay is moving slowly east. Weather will be fair in the East apart from fog but there will be occasional rain in the North and West.

FURTHER OUTLOOK.

Unsettled in the North and West. Fair at first in the Southeast and less cold.

Gale warning in operation in districts 7, 8, 12, 13, 15, 16, 17 and 18. Times of issue 11.40 12.12.40 and 08.00.13.12.40

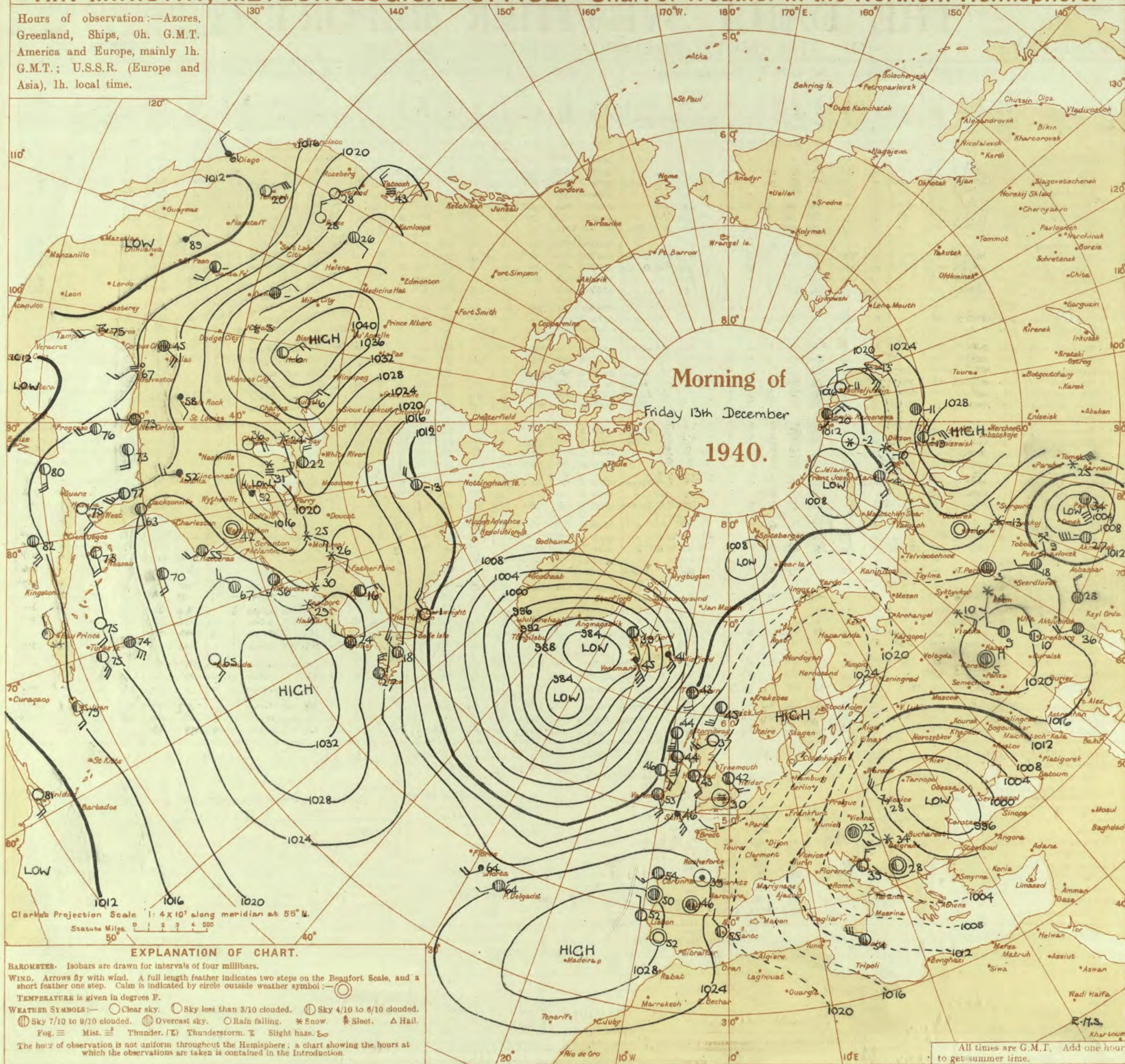
Forecasts issued at 10.30 G.M.T.

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

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

BRITISH SECTION

Friday 13th December 1940.

No. 28876

OBSERVATIONS at 1 hr. G.M.T. 13th December															OBSERVATIONS at 7 hr. G.M.T. 13th December															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.					Sea. 0-9.	TEMPERATURE.			RAINFALL.		SUN-SHINE Hrs.				
					Dir.	Force.					Low.	Med.	High.	Low.	Total.			Height of Base (feet).	Dir.					Force.	Low.	Med.	High.	Low.		Total.	Height of Base (feet).	State of Ground. 0-9.	Max. Day 7h-13h °F.	Min. Night 13h-7h °F.		Min. on Grass °F.	Day 7h-13h mm.	Night 13h-7h mm.	
																																							(3)
1	London (Kew) ...	18	1024.9	+8	-	0	bF	30	97	0	-	-	-	-	-	1027.1	+14	-	0	F	32	97	1	-	-	-	-	-	-	42	27	17	-	-	4.4				
	Croydon ...	217	1024.9	+8	-	0	bF	30	97	0	-	-	-	-	-	1027.1	+14	NE	1	f	25	97	3	-	-	-	-	-	-	40	24	24	-	-	4.6				
	S. Farnborough ...	226	1025.8	+10	NNW	1	F+	28	97	0	-	-	-	-	-	1026.9	+10	E'S	1	f	31	97	1	-	-	-	-	-	-	43	27	21	-	-	6.0				
	Boscombe Down ...	417	1024.9	+10	E'N	2	bF	33	97	3	-	-	-	-	-	1026.0	+2	E'S	2	F	29	97	1	-	-	-	-	-	-	42	28	24	-	-	7.0				
	Calshot (Stmntn.) ...	8	1024.6	+10	ENE	1	Z.	35	92	5	-	3	-	-	-	1025.7	+6	NE	1	bft	31	97	2	-	-	-	-	-	-	44	31	25	-	-	7.1				
	Lymington ...	346	1025.3	+12	N	1	Z.	32	97	5	-	7	-	-	-	1027.3	+10	E	2	Z.	35	97	6	5	-	-	-	-	-	40	31	20	-	-	4.8				
	Manston ...	154	1025.0	+16	-	0	pr	39	92	6	8	-	-	-	-	1027.6	+12	SE	2	f	35	97	5	5	-	-	-	-	-	40	31	20	-	-	4.8				
2	Shoeburyness ...	11	1024.5	+8	NE'N	2	q/pr	36	92	8	8	-	-	-	-	1027.4	+12	SE	2	F+	26	97	0	-	-	-	-	-	-	41	25	17	-	-	4.8				
	Felixstowe ...	15	1024.5	+8	NE'N	2	q/pr	36	92	8	8	-	-	-	-	1027.2	+10	SE'S	1	Z.	37	92	6	4	-	-	-	-	-	40	32	27	-	-	3.9				
	Gorleston ...	5	1025.0	+12	ENE	2	bc	42	85	7	5	-	-	-	-	1027.3	+8	SE	3	C	42	85	6	5	-	-	-	-	-	43	29	23	-	-	3.5				
	Mildenhall ...	19	1025.6	+12	-	0	m	27	97	4	-	-	-	-	-	1027.1	+8	SSE	2	m	25	97	4	-	-	-	-	-	-	40	22	15	-	-	2.7				
	Cranwell ...	240	1026.0	+10	-	0	Z.	29	97	5	-	-	-	-	-	1027.0	+4	-	0	Z.	27	97	5	-	-	-	-	-	-	41	25	15	-	-	2.8				
3	Birmingham ...	535	1025.2	+6	-	0	df	31	97	1	-	-	-	-	-	1026.1	+2	SE	2	f	28	97	2	-	-	-	-	-	-	41	25	13	-	-	3.7				
	Upper Heyford ...	408	1025.2	+6	-	0	df	31	97	1	-	-	-	-	-	1026.7	+8	-	0	F	24	97	1	-	-	-	-	-	-	40	23	18	-	-	3.7				
	Ross-on-Wye ...	223	1025.4	+4	-	0	df	30	92	2	5	-	-	-	-	1025.4	+4	W	1	cf	30	92	2	5	-	-	-	-	-	43	28	20	-	-	5.5				
5	Hartland Point ...	299	1022.0	+2	ESE	4	c	41	85	7	5	2	-	-	-	1021.2	-6	SE	4	c	43	85	7	5	2	-	-	-	-	46	41	40	-	-	0.1				
	Bristol ...	209	1025.1	+6	-	0	m	30	97	4	-	3	-	-	-	1025.4	+2	ESE	3	cf	32	97	3	5	-	-	-	-	-	43	28	19	-	-	4.5				
	Portland Bill ...	32	1023.9	+10	N	3	c	42	92	7	5	-	-	-	-	1024.3	+2	ESE	3	c	46	92	7	5	-	-	-	-	-	46	40	39	-	-	4.5				
	Plymouth ...	82	1023.3	+2	ESE	3	c	43	85	6	5	2	-	-	-	1022.9	-4	S'E	3	ir	48	75	8	5	-	-	-	-	-	45	41	39	-	-	0.1				
	The Lizard ...	240	1021.9	0	SSE	4	c	47	75	8	5	2	-	-	-	1021.1	-4	SE	5	pr	47	92	7	8	-	-	-	-	-	47	43	39	-	-	0.0				
	Scilly (St. Mary's) ...	163	1019.8	-6	SE'S	5	cf	46	97	6	6	2	-	-	-	1018.6	-6	SE'S	5	id	48	97	5	5	-	-	-	-	-	48	45	39	-	-	0.0				
	Guernsey ...	175	1021.3	-2	SE	6	c	45	85	7	5	2	-	-	-	1020.3	-4	SE'S	6	pr	46	85	7	8	-	-	-	-	-	47	45	37	-	-	0.0				
6	Pembroke ...	142	1021.4	+2	SE'S	4	c	43	85	6	5	7	-	-	-	1020.8	-6	SSE	5	f	44	85	6	5	-	-	-	-	-	48	40	37	-	-	1.2				
7	Holyhead ...	26	1024.3	+4	SE	4	bF	31	92	3	-	-	-	-	-	1024.5	-2	SE'S	2	f	32	92	3	-	-	-	-	-	-	42	31	21	-	-	4.8				
8	Chester (Sealand) ...	16	1025.1	+6	ES	3	bF	32	92	3	-	-	-	-	-	1025.2	-2	ESE	2	bft	27	92	3	-	-	-	-	-	-	43	23	15	-	-	0.0				
10	Spurn Head ...	29	1025.3	+16	ESE	3	c	42	75	7	2	-	-	-	-	1026.7	+2	SE'S	3	c	40	85	7	8	-	-	-	-	-	45	38	17	-	-	3.8				
	Catterick ...	175	1026.5	+14	-	0	f	25	97	3	-	-	-	-	-	1026.6	0	-	0	F	25	97	0	-	-	-	-	-	-	41	23	17	-	-	3.2				
	Tynemouth ...	108	1025.4	+6	SSW	2	f	37	85	3	8	-	-	-	-	1025.8	+2	SW	3	bF	32	92	3	8	-	-	-	-	-	44	32	29	-	-	3.2				
11	St. Abbs Head ...	280	1023.7	+6	SW	3	Z.	35	92	6	-	-	-	-	-	1022.8	-4	S	4	bc	33	92	7	4	-	-	-	-	-	43	33	17	-	-	3.0				
	Leuchars ...	36	1024.1	+6	-	0	Z.	32	92	5	-	6	-	-	-	1022.7	-8	S	1	c	34	75	7	5	-	-	-	-	-	41	27	17	-	-	3.0				
12	Renfrew (Abbots L.) ...	19	1023.0	+2	ENE	2	f	33	92	3	-	3	-	-	-	1021.7	-10	E'S	2	cf	36	85	3	5	-	-	-	-	-	42	24	18	-	-	0.0				
	Eskdalemuir ...	794	1022.0	+6	S	6	c	43	97	5	-	-	-	-	-	1024.0	-2	SSW	3	bc	29	92	6	-	-	-	-	-	-	45	41	39	-	-	5.7				
	Point of Ayre ...	30	1022.0	+6	S'E	6	c	43	97	5	-	-	-	-	-	1021.2	-4	S	6	c	42	92	6	5	-	-	-	-	-	45	41	39	-	-	5.6				
13A	Tiree ...	22	1016.5	-12	S	7	c	44	75	8	5	7	-	-	-	1012.4	-12	SE'S	7	c	46	85	7	5	-	-	-	-	-	45	43	39	-	-	2.8				
13B	Stornoway ...	80	1016.5	-12	S	7	c	44	75	8	5	7	-	-	-	1012.5	-14	S	8	c	45	85	7	5	-	-	-	-	-	44	39	39	-	-	1.3				
15	Dalwhinnie ...	1176	1020.5	0	SW	5	bc	42	75	7	5	1	-	-	-	1020.0	-10	ESE	6	c	33	92	7	5	-	-	-	-	-	34	32	29	-	-	3.0				
	Aberdeen ...	79	1020.5	0	SW	5	bc	42	75	7	5	1	-	-	-	1022.1	-6	SSW	5	c	40	75	6	6	-	-	-	-	-	36	31	27	-	-	0.1				
	Wick ...	81	1020.5	0	SW	5	bc	42	75	7	5	1	-	-	-	1017.9	-16	SSW	6	bc	42	65	8	5	-	-	-	-	-	42	40	37	-	-	0.1				
16	Lerwick ...	156	1024.5	-4	SW	5	c	45	75	8	5	7	-	-	-	1019.5	-10	S	7	c	45	75	7	8	-	-	-	-	-	43	41	37	-	-	3.2				
17	Blacksod Point ...	18	1014.8	0	SE	4	c	46	92	8	5																												

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Saturday 14th December 1940.
No. 28877

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

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

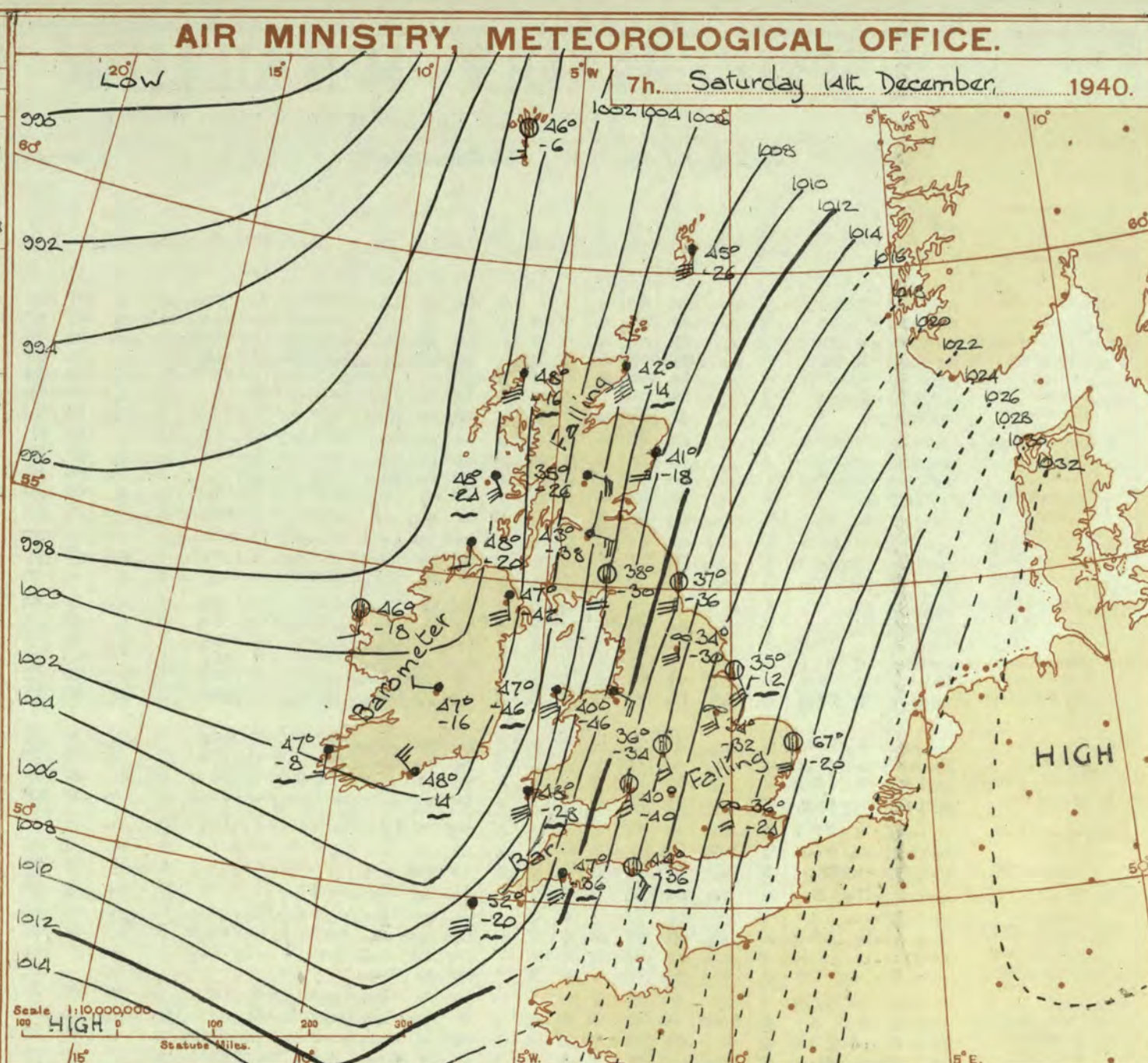
PAST 24 HOURS.

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Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 13th December				18h. G.M.T.				01h. G.M.T. 14th December				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	53	05675	48727	52	64665	15728	52	81844	16487	62	64435	49768			
115	52	81844	12387	52	02844	16387				52	02844	16427			
203							5-	03848	16628						
206	87	02864	53426	57	02864	20228	57	02855	16328	52	02795	16258			
210	53	02864	16427	5-	02864	14428				57	02856	50668			
220				62	58416	16758				62	66535	19368			
230	52	61657	12268	52	51546	12568	52	54535	45568	52	64936	16568			
245	23	02761	16627	52	08446	16628	6-	41438	15668	62	61535	49768			
260	57	02765	00028	57	05666	08168	53	05655	14328	52	05545	12428			
277	52	51643	13668	62	52637	13658	62	64646	47568	6-	64538	45768			
279	07	02790	14328	5-	05548	14428	5-	08448	16428	57	61755	46668			
285	5-	02747	08317	5-	03538	06328				6-	03538	08628			
288	20	08451	20144	5-	08458	16428	5-	05657	15527	57	05545	47626			
273	52	54544	18358							43	66544	24668			
301	07	05500	12417	02	62468	14668	62	05654	46668	02	05658	12728			
321	00	05500	14343	02	05590	49528	03	05530	15527	5-	05646	50626			
299	81	01762	17414	5-	05636	20616	5-	05658	49728	82	05635	49727			
292	00	41500	15345	5-	08428	14248	5-	05638	14328	5-	05638	12428			
310	--	04435	16545	--	46103	16443				--	02528	20628			
316	00	45300	14241	5-	45328	16348	51	08477	16428	5-	02548	14528			
333	62	61752	16528	5-	22658	50568	57	02844	16727	02	64638	49568			
334	--	02655	15527								64556	12668			
340	5-	05567	13447	5-	05567	14527	52	02765	12628	52	02755	12628			
136	5-	05636	15216	5-	05637	14327	5-	02746	15416	5-	02747	14527			
346	52	03644	14428	52	03735	14428				62	64754	20568			
350	--	46200	17420												
368															
379				--	44209	12349	5-	05648	14228	50	05644	16314			
390	5-	05548	12148	53	05545	12227	5-	05557	14327	53	05542	14324			
382	5-	43327	12347	5-	08467	12327	5-	05678	14428	57	05654	12425			
438	80	02757	14317							80	02755	18415			
430	20	05656	12326	5-	05568	12528	5-	05647	14427	50	05643	14414			
409	62	52626	13668	62	52627	47658	02	52528	48758	02	64528	47768			

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_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).



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 14th December
1 S.E. England	↓ Fresh or strong south wind, gale locally on coast, veering southwest tonight and moderating; rain spreading eastward and lasting for some hours followed by an improvement with bright intervals and local showers; becoming milder.
2 E. England ...	↓
3 E. Midlands ...	↓
4 W. Midlands ...	↓
5 S.W. England	↓ Strong to gale south to southwest wind veering west-southwest and moderating temporarily; rain at first, bright intervals and showers later; mild.
6 South Wales ...	↓
7 North Wales ...	↓
8 N.W. England	↓
9 N. Midlands ...	↓ Wind south strong to gale, veering southwest and moderating tonight, some rain or sleet, snow on hills, bright intervals later; becoming milder.
10 N.E. England	↓
11 S.E. Scotland	↓
12 S.W. Scotland & Isle of Man.	↓ As 4-8
13 { A.W. Scotld. B.N.W.Scot- land.	↓ Wind mainly southwest or south moderating temporarily but strong to gale again later; rain then showers and bright intervals; rain again tomorrow; mild.
14 Mid Scotland	↓
15 N. E. Scotland	↓ As 9-11
16 Orkneys and Shetlands	↓
17 N. W. Ireland	↓ Fresh or strong southwest or west wind, backing south-southwest and increasing to gale tomorrow; showers and bright intervals; general rain tomorrow; mild.
18 N. E. Ireland	↓
19 S. E. Ireland	↓
20 S. W. Ireland	↓

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

GENERAL INFERENCE.

A secondary depression over Ireland is moving north-northeast and associated troughs will cross Great Britain. Rain will spread to all districts with strong winds generally and gales at exposed places.
Another depression which crossed Newfoundland last evening will affect Ireland and Scotland tomorrow.

FURTHER OUTLOOK.

Rain spreading eastward but perhaps fair till tomorrow night in Eastern England. Renewed gale in West and North and perhaps later in Southeast also.

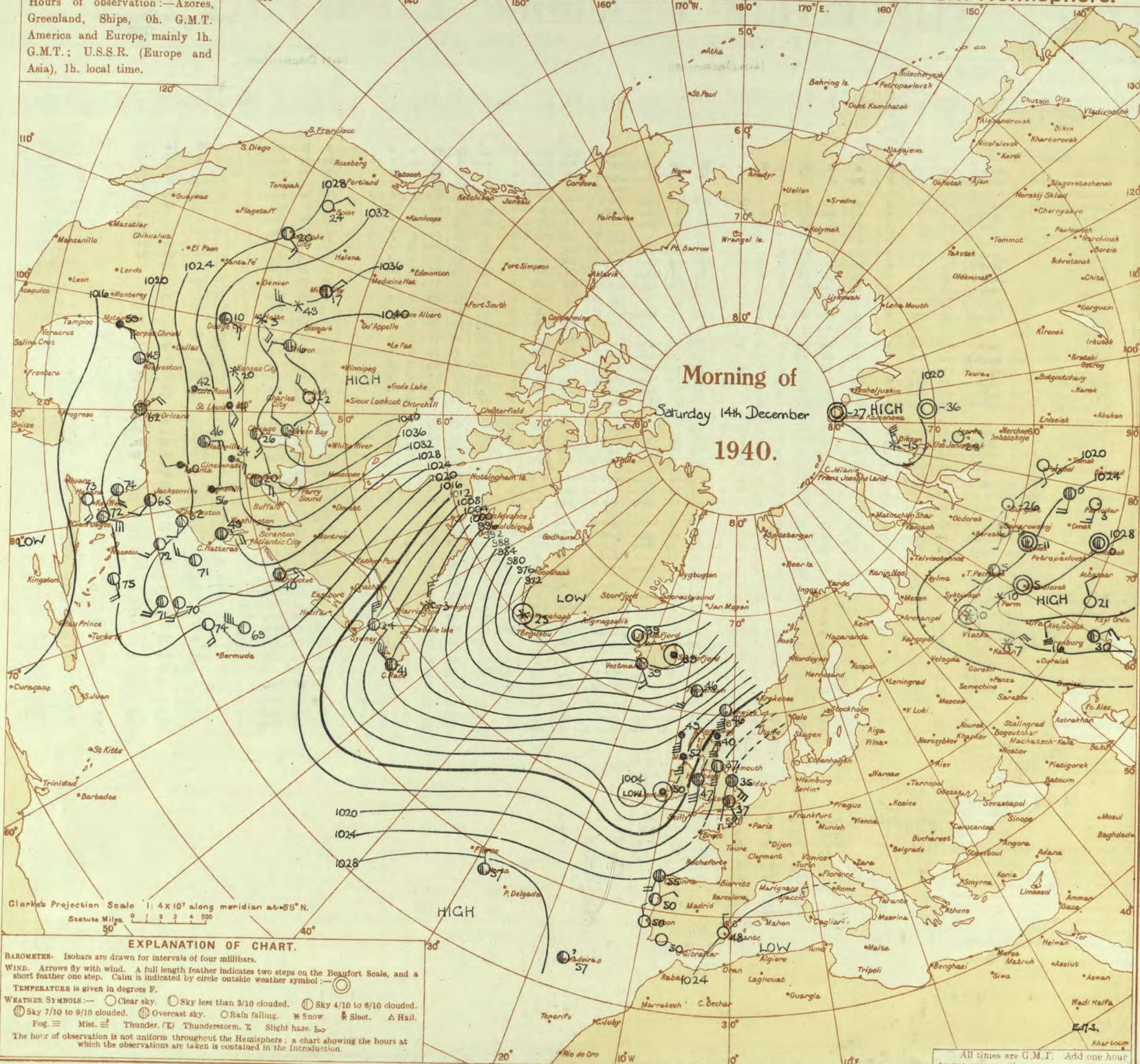
↓ Gale warning in operation in districts 1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18 and 19. Times of issue 11.40, 12.12.40, 0800, 1650, 2340 13.12.40, and 0530 14.12.40.

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.

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
Saturday 14th December
1940.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 14th December 1940.

No. 28877

OBSERVATIONS at 1 hr. G.M.T. 14th December														OBSERVATIONS at 7 hr. G.M.T. 14th December														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.				State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)			Force. (18)	Form. (23)					Amount. (24)	Height of Base. (feet) (25)	Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-15h mm. (34)	Night 15h-7h mm. (35)						
																																Low. (12)	Med. (13)		High (14)	Low (12)	Med. (13)
1	London (Kew) ... 18	1026.2	-18	SE	3	*	37	85	6	S	*	*	*	2000	1020.8	-26	SSE	4	Zo	37	85	6	S	*	*	9	9	1500	1	*	38	36	32	Tr	-	1.7	
	Croydon ... 217	1025.8	-14	SE	3	*	37	85	6	S	*	*	*	1900	1021.7	-24	SSE	4	Zo	36	85	6	S	*	*	9	9	1800	1	*	38	35	33	Tr	-	1.2	
	S. Farnborough ... 226	1025.8	-14	SE	3	*	37	85	6	S	*	*	*	1900	1020.4	-30	SE	4	Zo	37	85	6	S	*	*	9	9	1500	1	*	38	37	34	Tr	-	0.7	
	Boscombe Down ... 417	1025.5	-10	SE	3	*	42	85	6	S	3	S	2-3	4-6	1017.8	-34	SE	6	C	36	85	7	S	*	*	7-8	7-8	2000	1	*	40	35	32	-	-	1.0	
	Calshot (Stmntn.) ... 8	1025.5	-10	SE	3	*	42	85	6	S	3	S	2-3	4-6	1019.7	-26	SSE	5	Zo	40	85	6	S	7	6	Tr	9	2000	1	3	46	40	38	0.1	-	2.6	
	Lymington ... 346	1025.1	-12	S	3	*	35	85	6	S	*	*	10	10	1024.1	-24	S	4	Zo	35	85	5	S	*	*	9	9	2000	1	3	36	35	33	0.3	-	0.0	
	Manston ... 154	1025.5	-14	SSE	4	*	35	92	5	S	*	*	10	10	*	-22	SSE	4	Zo	34	85	5	S	*	*	9	9	2000	1	*	36	35	33	0.3	-	0.0	
2	Shoeburyness ... 11	1025.7	-10	SE	5	*	35	85	6	S	*	*	*	1400	1023.7	-28	SSE	4	C	36	85	6	S	4	-	4-6	4-6	1500	1	*	38	35	32	-	-	0.0	
	Felixstowe ... 15	1025.7	-6	SE	6	bc	39	75	6	2	-	-	4-6	4-6	1023.8	-26	S	6	Zo	36	75	6	S	-	-	9	9	1300	1	3	40	34	34	-	-	0.0	
	Gorleston ... 5	1025.7	-6	SE	6	bc	39	75	6	2	-	-	4-6	4-6	1023.6	-20	S	6	C	37	75	6	S	-	-	7-8	7-8	1500	1	3	43	37	32	0.5	-	0.0	
	Mildenhall ... 19	1026.8	-18	SSE	4	Zo	36	85	6	S	*	*	9	9	1021.9	-28	SSE	5	Zo	35	85	6	S	-	-	9	9	1700	0	*	37	34		Tr	Tr	0.8	
	Cranwell ... 240	1026.1	-14	SSE	5	Zo	34	85	5	S	*	*	10	10	1019.8	-32	SSE	6	Zo	34	85	5	S	-	-	10	10	2500	1	*	36	35	33	-	-	0.0	
3	Birmingham ... 535	1024.5	-18	SE	4	Zo	37	85	6	S	*	*	10	10	1015.9	-34	SSE	4	C	36	85	8	S	7	-	1	9	800	1	*	35	34	33	Tr	-	0.0	
	Upper Heyford ... 408	1024.5	-18	SE	4	Zo	37	85	6	S	*	*	10	10	1019.0	-30	SSE	4	Zo	36	85	6	S	-	-	7-8	7-8	1400	1	*	35	35	31	-	-	0.0	
4	Ross-on-Wye ... 223	1024.5	-18	SE	4	Zo	37	85	6	S	*	*	10	10	1014.2	-40	SSE	5	Cy	40	75	6	S	7	-	9	9	2500	1	*	42	39	36	-	-	0.2	
5	Hartland Point ... 299	1015.9	-18	SE	6	C	46	85	8	6	-	-	4-6	9	1007.0	-46	SE	7	rr	44	97	7	-	2	-	10	10	800	1	4	48	43	42	Tr	13	0.0	
	Bristol ... 209	1022.0	-14	SE	5	Zo	41	85	5	5	-	-	10	10	1015.4	-38	SSE	6	Zo	40	85	6	S	7	-	4-6	9	3000	1	*	44	39	36	-	-	0.4	
	Portland Bill ... 32	1022.8	-10	SE	5	C	44	85	8	5	4	-	7-8	10	1015.6	-36	SE	5	C	44	85	7	S	-	-	10	10	4000	1	4	46	41		-	-	0.0	
	Plymouth ... 82	1020.0	-18	SSE	5	id	46	92	6	5	2	-	9	10	1012.2	-36	SSE	6	rr	47	97	4	6	2	4	9	10	500	1	4	49	45	45	Tr	9	0.0	
	The Lizard ... 240	1016.0	-30	SSE	7	do	49	97	6	5	-	-	10	10	1008.2	-24	SSE	8	rr	50	97	6	5	-	-	10	10	1000	1	4	50	49		+	7	0.0	
	Scilly (St. Mary's) ... 163	1012.8	-26	SSE	6	dr	51	97	4	5	-	-	10	10	1006.1	-20	S	8	dr	52	97	4	6	-	-	10	10	1000	1	4	51	50		+	2	0.0	
	Guernsey ... 175	1012.8	-26	SSE	6	dr	51	97	4	5	-	-	10	10	1006.1	-20	S	8	dr	52	97	4	6	-	-	10	10	1000	1	4	51	50		+	2	0.0	
6	Pembroke ... 142	1015.1	-12	SSE	6	Cy	49	92	7	8	2	-	4-6	10	1004.9	-28	SSE	8	rr	48	97	6	5	-	-	10	10	1500	1	4	48	46		3	1	0.0	
7	Holyhead ... 26	1013.7	-30	SE	6	C	47	85	8	5	7	-	9	10	1004.5	-46	SSE	6	rr	47	92	6	6	2	-	7-8	10	800	1	4	47	45	43	0.2	3	0.0	
	Chester (Sealand) ... 16	1017.1	-10	SE	4	C	41	85	7	5	2	-	7-8	10	1011.1	-46	SSE	5	rr	40	85	6	5	2	-	9	10	1500	1	*	38	38	36	-	-	0.0	
8	Manchester ... 70	1020.9	-18	SE	4	Zo	39	85	6	5	2	-	7-8	10	1014.0	-38	SE	4	Zo	39	85	6	5	7	-	7-8	10	2300	1	*	39	37	35	-	-	0.3	
10	Spurn Head ... 29	1025.2	-4	SE	6	Cy	35	92	7	5	-	-	10	10	1018.8	-12	SE	6	Cy	35	97	7	5	-	-	9	9	1500	1	4	42	35		-	-	0.0	
	Catterick ... 175	1021.0	-20	S	6	C	33	92	5	5	-	-	10	10	1015.7	-30	S	6	Zo	34	92	6	5	-	-	10	10	800	1	*	33	32	32	-	Tr	0.0	
	Tynemouth ... 108	1020.0	-12	S	6	O	37	85	6	6	-	-	10	10	1015.3	-36	S	6	Cy	37	85	6	6	-	-	10	10	1500	1	3	40	35	33	-	Tr	0.0	
11	St. Abbs Head ... 280	1015.8	-14	S	6	Cy	36	92	5	5	2	-	7-8	10	1010.6	-36	S	6	Cy	35	92	5	5	2	-	4-6	10	2000	0	3	38	35		-	-	0.0	
	Leuchars ... 36	1015.4	-14	SE	3	Zo	41	85	5	5	-	-	10	10	1009.6	-34	ESE	5	rr	38	92	5	5	-	-	10	10	1500	1	*	39	37	33	0.4	4	0.0	
12	Renfrew (Abbots L.) ... 19	1013.4	-22	SE	3	Zo	43	85	6	5	7	-	7-8	9	1006.8	-38	ESE	5	rr	43	92	6	5	7	-	10	10	1800	1	*	41	41	38	-	-	0.0	
	Eskdalemuir ... 794	1015.1	-4	S	6	do	44	97	6	5	2	-	4-6	10	1009.6	-30	S	4	C	38	85	6	6	2	-	7-8	10	450	1	*	37	35	35	-	-	1.1	
	Point of Ayre ... 30	1015.1	-4	SE	6	do	44	97	6	5	2	-	4-6	10	1005.5	-34	SE	7	rr	43	97	7	6	2	-	4-6	10	1500	1	4	43	42		-	-	0.0	
13A	Tiree ... 22	1005.2	-12	S	7	rr	49	92	6	5	2	-	9	10	1001.3	-16	S	7	rr	48	97	7	-	2	-	10	10	1500	1	5	48	47		2	20	0.0	
13B	Stornoway ... 80	1005.2	-12	S	7	rr	49	92	6	5	2	-	9	10	1001.3	-16	S	7	rr	48	97	7	-	2	-	10	10	1000	1	4	47	46		0.5	6		

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 15th December, 1940.
No. 28,878.

OBSERVATIONS at 13h. G.M.T. 14th December																				OBSERVATIONS at 18h. G.M.T. 14th December																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.					Barom. at M.S.L. (25)	Change in 8 hours. (26)	Wind.		Weather. (29)	Temp. °F. (30)	Humid. % (31)	Visibility. 0-9 (32)	Cloud.					Barom. at M.S.L. (35)	Change in 8 hours. (36)	Wind.		Weather. (39)	Temp. °F. (40)	Humid. % (41)	Visibility. 0-9 (42)	Cloud.					Barom. at M.S.L. (45)	Change in 8 hours. (46)	Wind.		Weather. (49)	Temp. °F. (50)	Humid. % (51)	Visibility. 0-9 (52)	Cloud.					Barom. at M.S.L. (55)	Change in 8 hours. (56)	Wind.		Weather. (59)	Temp. °F. (60)	Humid. % (61)	Visibility. 0-9 (62)	Cloud.					Barom. at M.S.L. (65)	Change in 8 hours. (66)	Wind.		Weather. (69)	Temp. °F. (70)	Humid. % (71)	Visibility. 0-9 (72)	Cloud.					Barom. at M.S.L. (75)	Change in 8 hours. (76)	Wind.		Weather. (79)	Temp. °F. (80)	Humid. % (81)	Visibility. 0-9 (82)	Cloud.					Barom. at M.S.L. (85)	Change in 8 hours. (86)	Wind.		Weather. (89)	Temp. °F. (90)	Humid. % (91)	Visibility. 0-9 (92)	Cloud.					Barom. at M.S.L. (95)	Change in 8 hours. (96)	Wind.		Weather. (99)	Temp. °F. (100)	Humid. % (101)	Visibility. 0-9 (102)	Cloud.					Barom. at M.S.L. (105)	Change in 8 hours. (106)	Wind.		Weather. (109)	Temp. °F. (110)	Humid. % (111)	Visibility. 0-9 (112)	Cloud.					Barom. at M.S.L. (115)	Change in 8 hours. (116)	Wind.		Weather. (119)	Temp. °F. (120)	Humid. % (121)	Visibility. 0-9 (122)	Cloud.					Barom. at M.S.L. (125)	Change in 8 hours. (126)	Wind.		Weather. (129)	Temp. °F. (130)	Humid. % (131)	Visibility. 0-9 (132)	Cloud.					Barom. at M.S.L. (135)	Change in 8 hours. (136)	Wind.		Weather. (139)	Temp. °F. (140)	Humid. % (141)	Visibility. 0-9 (142)	Cloud.					Barom. at M.S.L. (145)	Change in 8 hours. (146)	Wind.		Weather. (149)	Temp. °F. (150)	Humid. % (151)	Visibility. 0-9 (152)	Cloud.					Barom. at M.S.L. (155)	Change in 8 hours. (156)	Wind.		Weather. (159)	Temp. °F. (160)	Humid. % (161)	Visibility. 0-9 (162)	Cloud.					Barom. at M.S.L. (165)	Change in 8 hours. (166)	Wind.		Weather. (169)	Temp. °F. (170)	Humid. % (171)	Visibility. 0-9 (172)	Cloud.					Barom. at M.S.L. (175)	Change in 8 hours. (176)	Wind.		Weather. (179)	Temp. °F. (180)	Humid. % (181)	Visibility. 0-9 (182)	Cloud.					Barom. at M.S.L. (185)	Change in 8 hours. (186)	Wind.		Weather. (189)	Temp. °F. (190)	Humid. % (191)	Visibility. 0-9 (192)	Cloud.					Barom. at M.S.L. (195)	Change in 8 hours. (196)	Wind.		Weather. (199)	Temp. °F. (200)	Humid. % (201)	Visibility. 0-9 (202)	Cloud.					Barom. at M.S.L. (205)	Change in 8 hours. (206)	Wind.		Weather. (209)	Temp. °F. (210)	Humid. % (211)	Visibility. 0-9 (212)	Cloud.					Barom. at M.S.L. (215)	Change in 8 hours. (216)	Wind.		Weather. (219)	Temp. °F. (220)	Humid. % (221)	Visibility. 0-9 (222)	Cloud.					Barom. at M.S.L. (225)	Change in 8 hours. (226)	Wind.		Weather. (229)	Temp. °F. (230)	Humid. % (231)	Visibility. 0-9 (232)	Cloud.					Barom. at M.S.L. (235)	Change in 8 hours. (236)	Wind.		Weather. (239)	Temp. °F. (240)	Humid. % (241)	Visibility. 0-9 (242)	Cloud.					Barom. at M.S.L. (245)	Change in 8 hours. (246)	Wind.		Weather. (249)	Temp. °F. (250)	Humid. % (251)	Visibility. 0-9 (252)	Cloud.					Barom. at M.S.L. (255)	Change in 8 hours. (256)	Wind.		Weather. (259)	Temp. °F. (260)	Humid. % (261)	Visibility. 0-9 (262)	Cloud.					Barom. at M.S.L. (265)	Change in 8 hours. (266)	Wind.		Weather. (269)	Temp. °F. (270)	Humid. % (271)	Visibility. 0-9 (272)	Cloud.					Barom. at M.S.L. (275)	Change in 8 hours. (276)	Wind.		Weather. (279)	Temp. °F. (280)	Humid. % (281)	Visibility. 0-9 (282)	Cloud.					Barom. at M.S.L. (285)	Change in 8 hours. (286)	Wind.		Weather. (289)	Temp. °F. (290)	Humid. % (291)	Visibility. 0-9 (292)	Cloud.					Barom. at M.S.L. (295)	Change in 8 hours. (296)	Wind.		Weather. (299)	Temp. °F. (300)	Humid. % (301)	Visibility. 0-9 (302)	Cloud.					Barom. at M.S.L. (305)	Change in 8 hours. (306)	Wind.		Weather. (309)	Temp. °F. (310)	Humid. % (311)	Visibility. 0-9 (312)	Cloud.					Barom. at M.S.L. (315)	Change in 8 hours. (316)	Wind.		Weather. (319)	Temp. °F. (320)	Humid. % (321)	Visibility. 0-9 (322)	Cloud.					Barom. at M.S.L. (325)	Change in 8 hours. (326)	Wind.		Weather. (329)	Temp. °F. (330)	Humid. % (331)	Visibility. 0-9 (332)	Cloud.					Barom. at M.S.L. (335)	Change in 8 hours. (336)	Wind.		Weather. (339)	Temp. °F. (340)	Humid. % (341)	Visibility. 0-9 (342)	Cloud.					Barom. at M.S.L. (345)	Change in 8 hours. (346)	Wind.		Weather. (349)	Temp. °F. (350)	Humid. % (351)	Visibility. 0-9 (352)	Cloud.					Barom. at M.S.L. (355)	Change in 8 hours. (356)	Wind.		Weather. (359)	Temp. °F. (360)	Humid. % (361)	Visibility. 0-9 (362)	Cloud.					Barom. at M.S.L. (365)	Change in 8 hours. (366)	Wind.		Weather. (369)	Temp. °F. (370)	Humid. % (371)	Visibility. 0-9 (372)	Cloud.					Barom. at M.S.L. (375)	Change in 8 hours. (376)	Wind.		Weather. (379)	Temp. °F. (380)	Humid. % (381)	Visibility. 0-9 (382)	Cloud.					Barom. at M.S.L. (385)	Change in 8 hours. (386)	Wind.		Weather. (389)	Temp. °F. (390)	Humid. % (391)	Visibility. 0-9 (392)	Cloud.					Barom. at M.S.L. (395)	Change in 8 hours. (396)	Wind.		Weather. (399)	Temp. °F. (400)	Humid. % (401)	Visibility. 0-9 (402)	Cloud.					Barom. at M.S.L. (405)	Change in 8 hours. (406)	Wind.		Weather. (409)	Temp. °F. (410)	Humid. % (411)	Visibility. 0-9 (412)	Cloud.					Barom. at M.S.L. (415)	Change in 8 hours. (416)	Wind.		Weather. (419)	Temp. °F. (420)	Humid. % (421)	Visibility. 0-9 (422)	Cloud.					Barom. at M.S.L. (425)	Change in 8 hours. (426)	Wind.		Weather. (429)	Temp. °F. (430)	Humid. % (431)	Visibility. 0-9 (432)	Cloud.					Barom. at M.S.L. (435)	Change in 8 hours. (436)	Wind.		Weather. (439)	Temp. °F. (440)	Humid. % (441)	Visibility. 0-9 (442)	Cloud.					Barom. at M.S.L. (445)	Change in 8 hours. (446)	Wind.		Weather. (449)	Temp. °F. (450)	Humid. % (451)	Visibility. 0-9 (452)	Cloud.					Barom. at M.S.L. (455)	Change in 8 hours. (456)	Wind.		Weather. (459)	Temp. °F. (460)	Humid. % (461)	Visibility. 0-9 (462)	Cloud.					Barom. at M.S.L. (465)	Change in 8 hours. (466)	Wind.		Weather. (469)	Temp. °F. (470)	Humid. % (471)	Visibility. 0-9 (472)	Cloud.					Barom. at M.S.L. (475)	Change in 8 hours. (476)	Wind.		Weather. (479)	Temp. °F. (480)	Humid. % (481)	Visibility. 0-9 (482)	Cloud.					Barom. at M.S.L. (485)	Change in 8 hours. (486)	Wind.		Weather. (489)	Temp. °F. (490)	Humid. % (491)	Visibility. 0-9 (492)	Cloud.					Barom. at M.S.L. (495)	Change in 8 hours. (496)	Wind.		Weather. (499)	Temp. °F. (500)	Humid. % (501)	Visibility. 0-9 (502)	Cloud.					Barom. at M.S.L. (505)	Change in 8 hours. (506)	Wind.		Weather. (509)	Temp. °F. (510)	Humid. % (511)	Visibility. 0-9 (512)	Cloud.					Barom. at M.S.L. (515)	Change in 8 hours. (516)	Wind.		Weather. (519)	Temp. °F. (520)	Humid. % (521)	Visibility. 0-9 (522)	Cloud.					Barom. at M.S.L. (525)	Change in 8 hours. (526)	Wind.		Weather. (529)	Temp. °F. (530)	Humid. % (531)	Visibility. 0-9 (532)	Cloud.					Barom. at M.S.L. (535)	Change in 8 hours. (536)	Wind.		Weather. (539)	Temp. °F. (540)	Humid. % (541)	Visibility. 0-9 (542)	Cloud.					Barom. at M.S.L. (545)	Change in 8 hours. (546)	Wind.		Weather. (549)	Temp. °F. (550)	Humid. % (551)	Visibility. 0-9 (552)	Cloud.					Barom. at M.S.L. (555)	Change in 8 hours. (556)	Wind.		Weather. (559)	Temp. °F. (560)	Humid. % (561)	Visibility. 0-9 (562)	Cloud.					Barom. at M.S.L. (565)	Change in 8 hours. (566)	Wind.		Weather. (569)	Temp. °F. (570)	Humid. % (571)	Visibility. 0-9 (572)	Cloud.					Barom. at M.S.L. (575)	Change in 8 hours. (576)	Wind.		Weather. (579)	Temp. °F. (580)	Humid. % (581)	Visibility. 0-9 (582)	Cloud.					Barom. at M.S.L. (585)	Change in 8 hours. (586)	Wind.		Weather. (589)	Temp. °F. (590)	Humid. % (591)	Visibility. 0-9 (592)	Cloud.					Barom. at M.S.L. (595)	Change in 8 hours. (596)	Wind.		Weather. (599)	Temp. °F. (600)	Humid. % (601)	Visibility. 0-9 (602)	Cloud.					Barom. at M.S.L. (605)	Change in 8 hours. (606)	Wind.		Weather. (609)	Temp. °F. (610)	Humid. % (611)	Visibility. 0-9 (612)	Cloud.					Barom. at M.S.L. (615)	Change in 8 hours. (616)	Wind.		Weather. (619)	Temp. °F. (620)	Humid. % (621)	Visibility. 0-9 (622)	Cloud.					Barom. at M.S.L. (625)	Change in 8 hours. (626)	Wind.		Weather. (629)	Temp. °F. (630)	Humid. % (631)	Visibility. 0-9 (632)	Cloud.					Barom. at M.S.L. (635)	Change in 8 hours. (636)	Wind.		Weather. (639)	Temp. °F. (640)	Humid. % (641)	Visibility. 0-9 (642)	Cloud.					Barom. at M.S.L. (645)	Change in 8 hours. (646)	Wind.		Weather. (649)	Temp. °F. (650)	Humid. % (651)	Visibility. 0-9 (652)	Cloud.					Barom. at M.S.L. (655)	Change in 8 hours. (656)	Wind.		Weather. (659)	Temp. °F. (660)	Humid. % (661)	Visibility. 0-9 (662)	Cloud.					Barom. at M.S.L. (665)	Change in 8 hours. (666)	Wind.		Weather. (669)	Temp. °F. (670)	Humid. % (671)	Visibility. 0-9 (672)	Cloud.					Barom. at M.S.L. (675)	Change in 8 hours. (676)	Wind.		Weather. (679)	Temp. °F. (680)	Humid. % (681)	Visibility. 0-9 (682)	Cloud.					Barom. at M.S.L. (685)	Change in 8 hours. (686)	Wind.		Weather. (689)	Temp. °F. (690)	Humid. % (691)	Visibility. 0-9 (692)	Cloud.					Barom. at M.S.L. (695)	Change in 8 hours. (696)	Wind.		Weather. (699)	Temp. °F. (700)	Humid. % (691)	Visibility. 0-9 (692)	Cloud.					Barom. at M.S.L. (705)	Change in 8 hours. (706)	Wind.		Weather. (709)	Temp. °F. (710)	Humid. % (701)	Visibility. 0-9 (702)	Cloud.					Barom. at M.S.L. (715)	Change in 8 hours. (716)	Wind.		Weather. (719)	Temp. °F. (720)	Humid. % (711)	Visibility. 0-9 (712)	Cloud.					Barom. at M.S.L. (725)	Change in 8 hours. (726)	Wind.		Weather. (729)	Temp. °F. (730)	Humid. % (721)	Visibility. 0-9 (722)	Cloud.					Barom. at M.S.L. (735)	Change in 8 hours. (736)	Wind.		Weather. (739)	Temp. °F. (740)	Humid. % (731)	Visibility. 0-9 (732)	Cloud.					Barom. at M.S.L. (745)	Change in 8 hours. (746)	Wind.		Weather. (749)	Temp. °F. (750)	Humid. % (741)	Visibility. 0-9 (742)	Cloud.					Barom. at M.S.L. (755)	Change in 8 hours. (756)	Wind.		Weather. (759)	Temp. °F. (760)	Humid. % (751)	Visibility. 0-9 (752)	Cloud.					Barom. at M.S.L. (765)	Change in 8 hours. (766)	Wind.		Weather. (769)	Temp. °F. (770)	Humid. % (761)	Visibility. 0-9 (762)	Cloud.					Barom. at M.S.L. (775)	Change in 8 hours. (776)	Wind.		Weather. (779)	Temp. °F. (780)	Humid. % (771)	Visibility. 0-9 (772)	Cloud.					Barom. at M.S.L. (785)	Change in 8 hours. (786)	Wind.		Weather. (789)	Temp. °F. (790)	Humid. % (781)	Visibility. 0-9 (782)	Cloud.					Barom. at M.S.L. (795)	Change in 8 hours. (796)	Wind.		Weather. (799)	Temp. °F. (800)	Humid. % (791)	Visibility. 0-9 (792)	Cloud.					Barom. at M.S.L. (805)	Change in 8 hours. (806)	Wind.		Weather. (809)	Temp. °F. (810)	Humid. % (801)	Visibility. 0-9 (802)	Cloud.					Barom. at M.S.L. (815)	Change in 8 hours. (816)	Wind.		Weather. (819)	Temp. °F. (820)	Humid. % (811)	Visibility. 0-9 (812)	Cloud.					Barom. at M.S.L. (825)	Change in 8 hours. (826)	Wind.		Weather. (829)	Temp. °F. (830)	Humid. % (821)	Visibility. 0-9 (822)	Cloud.					Barom. at M.S.L. (835)	Change in 8 hours. (836)	Wind.		Weather. (839)	Temp. °F. (840)	Humid. % (831)	Visibility. 0-9 (832)	Cloud.					Barom. at M.S.L. (845)	Change in 8 hours. (846)	Wind.		Weather. (849)	Temp. °F. (850)	Humid. % (841)	Visibility. 0-9 (842)	Cloud.					Barom. at M.S.L. (855)	Change in 8 hours. (856)	Wind.		Weather. (859)	Temp. °F. (860)

Abridged observations of additional stations in the

AVIATION WEATHER CODE

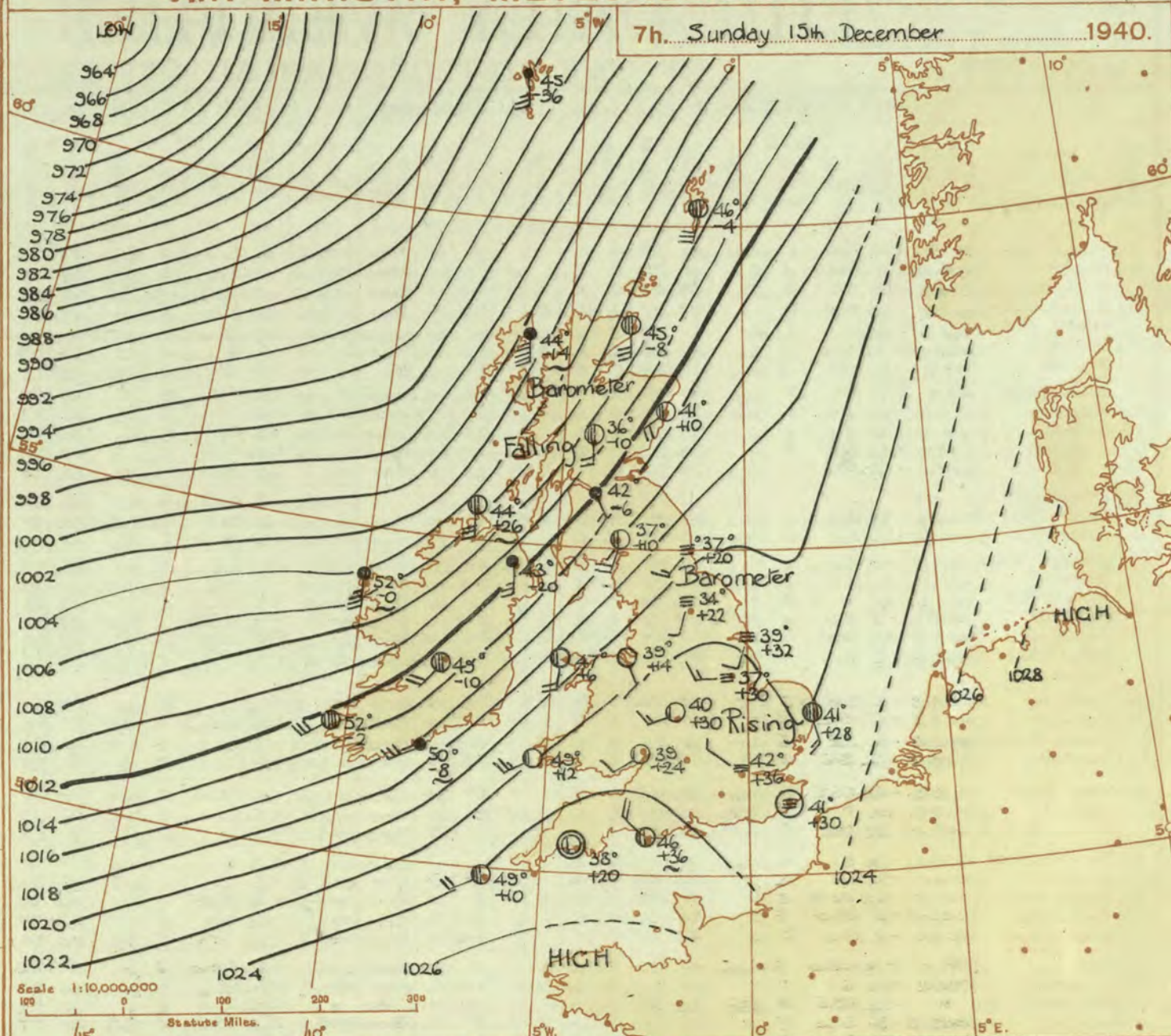
13h. G.M.T. 14h. Dec.				18h. G.M.T.				01h. G.M.T. 05h. Dec.				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	62	63645	47568	62	62545	50768	51	81844	53585	52	02853	49605			
115	52	62735	4568	56	02844	20467	51	81844	53585	52	81844	20487			
203				5-	81845	16585									
206	52	61854	51468								92	02855	20328		
210	52	61744	45668	52	02864	16368	04	00890	17322	57	02853	15407			
220	--	64753	23268	83	01754	20314					62	66536	22768		
230	52	64645	14468	86	22746	22267	80	00852	21482	5-	62758	51568			
245	6-	64538	49768	6-	52538	51668	50	05532	22152	50	01764	20424			
260	62	22744	14168	57	05665	18328	04	00890	00022	47	01862	18315			
277				54	00851	00062	07	00890	23523	52	02864	16528			
279	52	22745	14468	62	62646	18368				04	02790	18315			
285	6-	70538	12768	6-	61538	20368									
288	02	62648	47668	62	61634	17468	03	08490	18266	07	08490	20243			
273	35	10863	21115							43	62754	17767			
301	62	62636	47668	52	62557	14468	03	05630	00063	00	05630	18213			
321	62	64625	49568	62	62535	16568	02	08438	16228	--	44109	18149			
299				62	62535	53768	5-	05548	23428	--	44309	23249			
292	62	62526	15368				02	47318	16168	--	48009	00049			
310															
316	62	62435	15568	62	64435	15468	5-	47338	19368	--	46009	22149			
333	52	62646	51768	27	02753	00056	20	01953	25263	50	00861	20423			
334	--	62556	12568												
340	62	62627	15568	5-	61628	14368	53	45363	00045	00	05630	00002			
136	09	05690	14616				5-	05638	14268	--	46109	15259			
336	62	64644	16468	62	62544	16468									
350	52	61635	45668												
368	6-	64538	16468												
379				62	22626	16568	6-	51438	24258	54	05653	26214			
390	57	25663	14466	62	64437	16468	5-	57338	00068	--	46109	00049			
382	62	52635	14468	62	61636	12368	5-	41428	24248	54	05665	25226			
438	5-	02756	22516	62	64635	48568				5-	49318	02348			
430	52	62646	16568	6-	64428	51568	5-	05646	26266	5-	05556	00016			
409	52	22747	18468	97	81636	24287	2-	01855	28315						

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_M = 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.

7h. Sunday 15th December

1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 15th Dec. 1940
1 S.E. England	Light to moderate S.W. wind; dull and misty at first but some bright intervals late in the afternoon; slight rain spreading from the west during the night, becoming mainly fair again later; rather mild.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate S.W. wind, freshening, becoming strong locally on coasts, veering west and moderating later; rain spreading across from the west, followed by bright intervals & showers, mainly on coast; rather mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 1-3
10 N.E. England	
11 S.E. Scotland	Moderate or fresh S.W. wind, becoming strong to gale on coasts; rain spreading from the west followed by bright intervals and showers, mainly on western coasts; rather mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl'd. B.N.W. Scot- land.	Strong S.W. wind, gale on coasts; rain spreading from the west followed by showery conditions, but with some bright intervals; rather mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Fresh or strong southerly winds, gale at times on coasts, veering S.W. or W. later & moderating; dull and rainy at first, showery but with some bright intervals later; mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

GENERAL INFERENCE.

Pressure is high from the Azores across France to Russia and low over Iceland. A trough of low pressure over the North Sea is filling up and another trough across West Ireland is moving East. Rain will spread eastward over the country, but will be only slight in the South. Gales will occur in the Northwest.

FURTHER OUTLOOK.

Continuing unsettled, with periods of rain in most districts; southwesterly winds, strong to gale at times in the North & West.

Gale Warning issued 1930h on 14/12/1940 in districts 5, 6, 7, 8, 12, 13a, 13b, 15, 16, 17, 18, 19 & 20.

Forecasts issued at 1930h G.M.T.

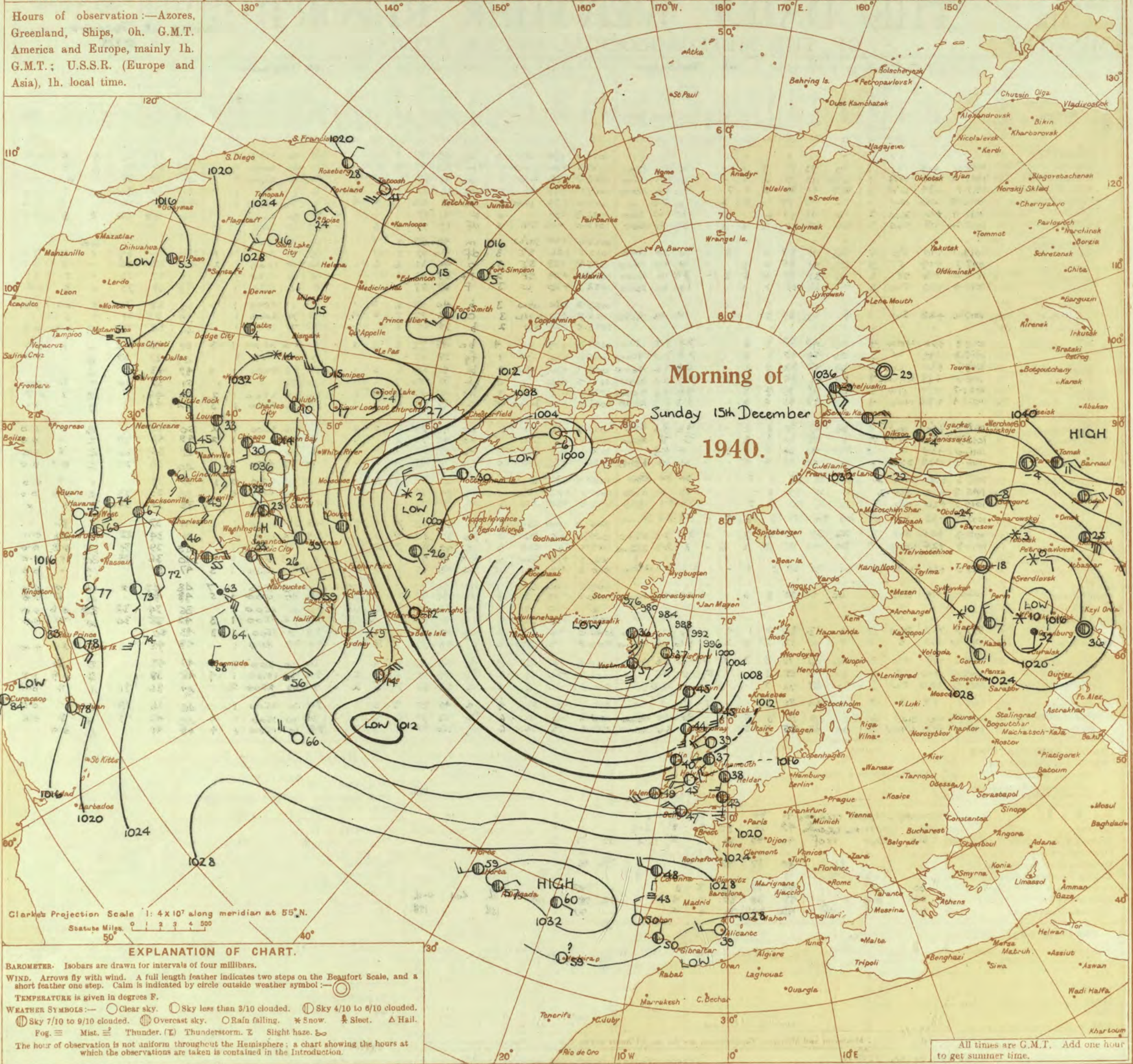
N. K. JOHNSON, D.Sc., A.R.C.S.,
 Director.

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 15th December
1940.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday 15th December 1940.
No. 2878.

OBSERVATIONS at 1 hr. G.M.T. 15th December														OBSERVATIONS at 7 hr. G.M.T. 15th December														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud. (9) (10) (11) (12)				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17) (18)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud. (23) (24) (25) (26)				State of Ground. (29)	Sea. (30)	TEMPERATURE. (31) (32) (33)			RAINFALL. (34) (35)		SUNSHINE Hrs. (36)			
					Direc.	Force.					Form.	Amount.	Height of Base. (feet) (12)	Form.			Amount.	Height of Base. (feet) (23)					State of Ground. (29)	Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)	Min. on Grass °F. (33)			Day 7h-18h mm. (34)	Night 18h-7h mm. (35)							
1	London (Kew) ... 18	1016.6	+18	S	3	m	43	97	4	5	-	-	10	10	1700	1023.5	+34	W/N	2	Zo	43	97	5	5	-	-	10	10	2500	1	*	41	39	36	3	2	0.4
	Croydon ... 217	1016.6	+18	S	3	m	43	97	4	5	-	-	10	10	1700	1023.1	+36	W/N	1	m	42	97	4	5	-	-	10	10	1000	1	*	42	38	35	3	3	2.4
	S. Farnborough ... 226	1017.0	+24	W/N	1	cft	43	97	2	5	-	-	10	10	200	1023.5	+34	W/N	2	Zo	41	97	6	5	-	-	10	10	5000	1	*	41	39	37	5	0.6	0.4
	Boscombe Down ... 417	1017.7	+34	W/N	3	bc/f	41	97	6	5	7	-	4.6	4.6	5000	1024.5	+38	W	2	Zo	36	97	7	-	7	-	0	1	-	1	*	43	35	30	13	1	0.0
	Calshot (Stmntn.) ... 8	1016.8	+26	NW	1	*	42	97	6	5	3	-	7	7	28	1023.5	+34	HW	2	Zo	41	92	6	5	4	-	1	9	5700	1	1	44	37	32	2	2	0.0
	Lympe ... 346	1018.4	+6	SSW	2	r/r	41	97	6	2	-	-	10	10	500	1022.8	+30	-	0	F	41	97	1	-	-	-	10	10	4150	1	*	39	38	35	2	9	2.8
	Manston ... 154	1018.2	+8	SE	3	r/r	39	97	5	6	2	-	9	10	500	1023.0	+26	S/E	2	df	39	97	3	6	-	-	10	10	300	1	*	39	38	35	2	9	2.8
2	Shoeburyness ... 11	1018.1	+10	S/E	4	r/r	41	97	6	2	-	-	10	10	1000	1023.0	+24	SW	1	m	42	97	4	5	-	-	10	10	800	1	*	39	36	34	1	7	3.4
	Felixstowe ... 15	1018.3	+14	S	5	r/r	41	85	6	6	-	-	10	10	1500	1022.5	+26	S/E	3	df	40	97	3	5	-	-	10	10	200	1	1	39	36	34	1	7	3.4
	Gorleston ... 5	1018.3	+14	S	5	r/r	41	85	6	6	-	-	10	10	1500	1022.8	+28	S/E	3	0	41	32	6	6	-	-	10	10	1500	1	2	40	38	35	-	5	0.5
	Mildenhall ... 19	1017.0	+16	SE	2	r/r	39	97	6	5	2	-	7.8	10	1200	1022.1	+24	SE	2	F+	39	97	1	-	-	-	10	10	4150	1	*	38	37	33	1	5	1.1
	Cranwell ... 240	1016.4	+22	SW	2	cf	36	97	3	5	-	-	10	10	1000	1022.5	+20	W	3	F	37	97	1	-	-	-	10	10	4150	1	*	35	34	33	6	3	0.0
3	Birmingham ... 535	1017.0	+28	SW	1	f	41	97	2	-	-	-	10	10	4150	1023.2	+30	WSW	3	b	40	97	6	5	-	1	Tr	1	4000	1	*	38	38	33	9	0.1	0.0
	Upper Heyford ... 408	1017.0	+28	SW	1	f	41	97	2	-	-	-	10	10	4150	1022.9	+22	WNW	3	c	43	92	7	5	4	-	7.8	9	3000	1	*	39	38	31	7	0.4	*
	Ross-on-Wye ... 223	1017.0	+28	SW	1	f	41	97	2	-	-	-	10	10	4150	1023.4	+24	SW	2	b	39	85	8	5	-	-	Tr	Tr	2500	1	*	44	38	32	13	0.3	0.0
5	Hartland Point ... 299	1018.8	+32	WNW	4	c	47	75	8	8	-	-	7.8	7.8	1500	1023.3	+14	W	4	bc	48	75	8	2	4	-	1	4.6	2500	1	3	51	46	42	4	1	0.0
	Bristol ... 209	1017.9	+32	W	3	Zo	43	97	5	5	-	-	7.8	7.8	4000	1025.0	+36	W	1	fg	38	97	7	-	-	-	0	0	-	1	*	47	37	27	8	-	0.0
	Portland Bill ... 32	1018.0	+30	W	4	bc	47	92	8	5	-	-	4.6	4.6	4000	1024.3	+36	NW	4	bc	46	85	8	5	-	-	4.6	4.6	4000	1	4	49	43	*	2	-	*
	Plymouth ... 82	1019.7	+38	WNW	4	bc	46	85	8	2	3	-	2.3	2.3	2500	1025.5	+20	-	0	b	38	92	7	-	4	-	0	Tr	-	1	1	51	37	30	-	Tr	0.1
	The Lizard ... 240	1021.2	+30	NW	5	bc	47	75	8	8	-	-	4.6	4.6	2000	1025.0	+14	W/S	4	b	48	85	8	6	-	-	4.6	4.6	2500	1	2	52	46	*	12	1	0.7
	Scilly (St. Mary's) ... 163	1021.4	+36	NW	4	bc	47	75	8	2	-	-	2.3	2.3	2000	1023.8	+10	SW	4	c	49	85	8	8	3	-	7.8	9	2000	1	3	52	46	*	8	-	0.6
	Guernsey ... 175	1018.3	+24	NW	4	bc	47	75	8	2	-	-	4.6	4.6	800	1021.7	+12	SW	5	bc	49	85	8	5	4	1	1	4.6	3000	1	2	50	46	*	15	-	0.0
6	Pembroke ... 142	1018.9	+30	W	4	b	45	85	8	2	-	-	Tr	Tr	2500	1018.7	+6	SW	4	bc	47	75	8	-	3	-	0	4.6	-	1	2	49	43	39	2	-	0.0
7	Holyhead ... 26	1015.9	+30	W	4	b/r	43	92	7	-	3	-	0	2.3	-	1021.3	+14	SSE	2	Zo	39	85	6	-	-	-	0	0	-	1	*	41	35	26	2	1	0.0
8	Chester (Sealand) ... 16	1016.0	+34	W	2	bc/r	43	92	7	-	3	-	0	2.3	-	1021.3	+14	SSE	2	Zo	39	85	6	-	-	-	0	0	-	1	*	41	35	26	2	1	0.0
10	Manchester ... 70	1016.3	+32	SSE	1	m	40	97	4	5	-	-	10	10	2500	1021.7	+26	SSE	1	F+	31	97	0	-	-	-	10	10	4150	3	*	40	30	23	6	0.1	0.0
10	Spurn Head ... 29	1017.0	+18	SSE	3	0	38	97	6	5	-	-	9	9	1500	1021.4	+32	SSW	2	F	39	97	1	5	-	-	10	10	220	0	1	39	38	*	1	4	0.0
	Catterick ... 175	1020.8	+22	SW	2	F+	35	97	1	-	-	-	10	10	4150	1020.5	+22	SW	1	F+	34	97	0	-	-	-	10	10	4150	1	*	36	35	33	5	0.3	0.0
	Tynemouth ... 108	1014.2	+20	SW	3	Zo	37	92	5	5	-	-	7.8	7.8	1800	1018.8	+20	SW	3	m	37	92	4	5	-	-	4.6	4.6	1600	1	2	38	35	32	*	1	*
11	St. Abbs Head ... 280	1012.3	+32	W	4	bc	40	92	7	4	4	-	2.3	2.3	2500	1015.3	+10	SSW	4	bc	39	92	7	4	4	-	2.3	2.3	2500	1	3	41	37	*	9	Tr	*
	Leuchars ... 36	1011.3	+26	SW	3	Zo	39	97	6	7	-	-	2.3	2.3	2500	1014.0	+8	SW	3	bc	39	85	8	5	3	-	2.3	4.6	3500	1	*	41	34	28	11	0.1	0.0
12	Renfrew (Abbots I.) ... 19	1011.9	+24	WSW	2	bc	42	92	8	2	6	-	1	2.3	3500	1013.2	-6	SSE	3	r	42	85	7	5	7	-	2.3	9	2500	1	*	45	39	31	12	0.2	0.0
	Eskdalemuir ... 794	1013.5	+30	W/S	3	bc	39	92	8	1	-	-	2.3	2.3	2500	1016.8	+10	SSW	4	bc	37	92	7	5	4	1	1	2.3	800	1	*	40	36	34	20	1	0.0
	Point of Ayre ... 30	1013.5	+30	W/S	3	bc	39	92	8	1	-	-	2.3	2.3	2500	1016.6	+4	SW	5	bc	43	85	8	5	4	-	2.3	4.6	2500	1	3	47	37	*	15	-	0.0
13	Tiree ... 22	1004.0	+14	SSW	5	bc	44	85	8																												

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 16th December 1940.
No. 28,870

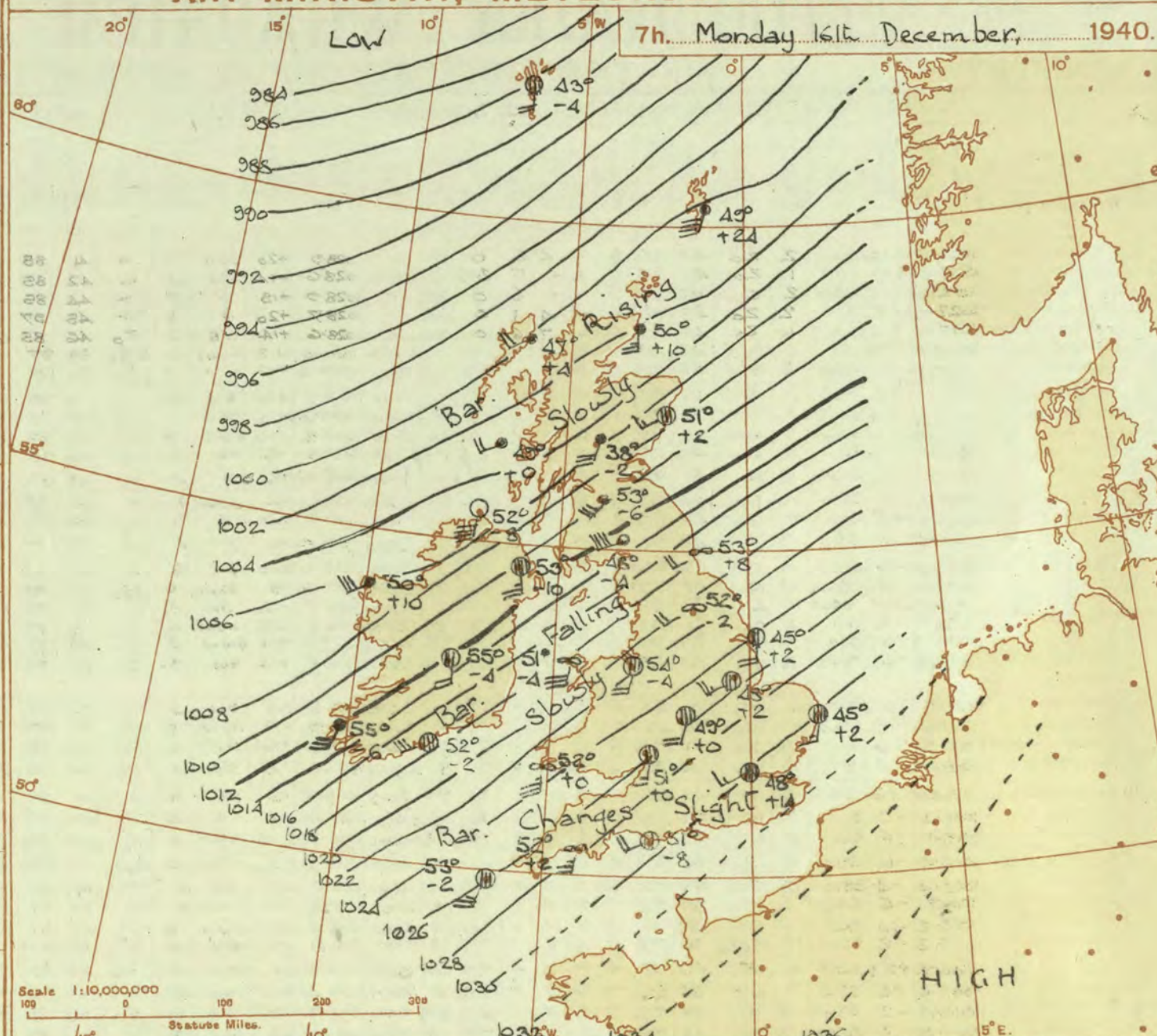
OBSERVATIONS at 13h. G.M.T. 15th December														OBSERVATIONS at 18h. G.M.T. 15th December														PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. 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 (25) (26)	Height of Base (feet) (28)	7h.—13h. .....15th..... (37)	13h.—18h. .....15th..... (38)			18h.—1st 16th..... (39)	1st.—7h. 16th..... (40)				
1	London (Kew)...	1027.2	+12	SW	2	Zo	44	85	6	4	6	0	9+	1028.0	+20	SSW	2	3	41	85	4	5	7-8	7-8	2500	1	*	cmfmm	cm bcm	bc mcm	cm mcm		
	Croydon ..	1027.2	+14	WN	1	Zo	47	85	5	5	7	2-3	10	1028.6	+14	SSE	2	3	42	85	4	5	0	7-8	1	*	cfcm	cm m	bc mcm	cm mcm			
	S. Farnborough	1027.6	+14	WSW	2	C	48	85	7	5	6	0	7-8	1028.0	+18	S	3	3	44	85	4	5	2-3	2-3	4000	1	*	cbcm	cm m	mr mcm	cm mcm		
	Boscombe Down	1027.1	+2	S	2	Zo	45	92	6	4	1	0	4-6	1028.7	+20	S	3	3	45	97	6	5	7-8	0	2000	1	*	bc mcm	bc m	cm mcm	cm mcm		
	Calshot (Soton.)	1027.4	+4	SW	1	Zo	47	85	6	4	7	0	7-8	1028.6	+14	S/E	2	2	46	85	6	5	0	0	1	1	*	cbcm	bc m	ir mcm	cm mcm		
	Lymington	1028.4	+28	3	1	M/f	42	97	4	5	1	10	10	103.0	+12	WSW	1	0	38	97	2	1	0	0	1	1	*	offcm	cm	fbxcm	cm mcm		
	Manston	1027.5	+10	SSW	2	0/d	42	97	5	5	1	10	10	1029.0	+12	0	0	39	46	97	4	5	Tr	Tr	1200	1	*	cdcm	cm bcm	bc mcm	cm mcm		
2	Shoeburyness ...	1027.3	+16	NW	1	om	43	97	4	5	1	10	10	1500	1028.0	+20	S/W	2	3	41	92	4	5	0	0	1	1	*	om	om bcm	bc mcm	cm mcm	
	Felixstowe ...	1026.5	+10	SW	2	F	41	97	1	1	1	10	10	1500	1028.0	+14	SSE	1	0	40	97	3	5	10	10	800	1	1	cdcm	om bcm	bc mcm	cm mcm	
	Gorleston ...	1026.0	+14	SW	3	om	41	92	4	6	1	10	10	1500	1028.5	+16	SW	3	0	42	97	4	5	10	10	800	1	2	omom	om bcm	bc mcm	cm mcm	
	Mildenhall ...	1026.1	+10	S	2	Zo	43	97	5	7	1	4-6	7-8	1027.8	+22	SSE	3	0	42	97	3	5	0	0	1	1	*	offcm	cm bcm	bc mcm	cm mcm		
	Cranwell ...	1025.1	+6	SW	3	M	41	97	4	5	7	Tr	10	3000	1026.0	+6	S	4	10	42	85	5	7	7-8	0	2500	1	*	offcm	F. cm	irido, c	c	
3	Birmingham	1023.7	-2	SW	4	C	44	85	6	5	7	7-8	9+	1000	1024.6	+4	SW	3	0	45	85	6	5	10	10	1500	1	*	bc	c	c	c	
	Upper Heyford	1026.0	+6	SW	2	Zo	46	75	6	5	7	6	0	7-8	1027.7	+20	S	3	10	42	97	6	5	7	4-6	10	1500	1	*	cmom	cm bcm	bc mcm	cm mcm
4	Ross-on-Wye ...	1024.2	-4	SW	3	C	46	75	6	5	2	4-6	9+	2500	1028.1	+6	S/W	4	C	49	85	6	5	0	0	1500	1	*	bcc	c	c	c	
5	Hartland Point	1023.6	-10	SW	4	C	50	85	7	5	6	7-8	9+	1500	1025.1	+20	SW	5	C	51	92	7	5	2	7-8	10	1000	1	3	bcc	c	cbcc	cbcc
	Bristol ...	1026.2	-6	SSW	4	C	47	75	7	5	7	4-6	9+	5700	1027.3	+8	SSW	3	0	49	92	6	5	7	4-6	10	2500	1	*	bcc	c	cbcc	cbcc
	Portland Bill ...	1026.5	+10	WSW	4	C	51	92	8	5	4	4-6	9+	4000	1028.7	-12	SW	3	0	51	92	7	5	10	10	4000	1	3	bcc	c	cbcc	cbcc	
	Plymouth ...	1026.7	-6	SW	4	C	51	85	7	5	7	9+	10	1200	1028.2	+22	WSW	4	Zo	51	85	6	5	10	10	1000	1	3	bzo	cm	cm	d	
	The Lizard ...	1026.5	0	SW	5	C	52	92	8	6	6	7-8	7-8	2500	1027.3	+14	SW	5	Zo	51	97	7	8	2	7-8	2000	1	3	c	cm	cbcc	cpro	
	Scilly (St. Mary's)	1024.8	-6	SW	5	C	54	85	7	5	7	4-6	7-8	1800	1025.5	+14	SW	5	Zo	52	92	6	5	7	7-8	9+	1500	1	4	c	cbcc	c	cPe
6	Pembroke ...	1021.9	0	SW	6	id	51	92	6	5	2	7-8	10	2000	1022.0	+10	SW	6	0	52	92	7	5	10	10	2500	1	3	bcc	c	cbcc	cbcc	
7	Holyhead ...	1017.6	-10	SSW	6	id	50	97	6	5	1	10	10	500	1018.0	+18	SSW	5	0	51	97	6	5	10	10	800	1	3	bcc	c	cbcc	cbcc	
	Chester (Sealand)	1021.6	-2	S	4	Zo	47	85	6	5	7	7-8	9+	2800	1021.5	+6	SSE	4	id	50	85	5	5	10	10	5500	1	*	bcc	c	cbcc	cbcc	
8	Manchester ...	1022.2	-6	S	3	Zo	44	85	6	5	1	9	9	1500	1021.1	-4	SSE	4	Zo	47	85	6	5	2	7-8	10	1900	1	*	fmc	c	cbcc	cbcc
10	Spurn Head ...	1024.6	+6	SSE	3	f	40	97	3	5	1	9+	9+	800	1024.3	-2	SSE	5	C	41	97	6	4	6	4-6	7-8	1500	0	3	off	cm	irido	c
	Catterick ...	1021.2	-2	S	1	ir	39	92	4	5	1	10	10	4500	1021.3	+8	S	3	ir	42	92	4	5	2	7-8	10	1000	1	3	off	cm	irido	c
	Tynemouth ...	1019.1	-6	SW	4	C	43	85	5	8	1	7-8	7-8	1800	1018.0	+14	SSW	5	Zo	45	85	5	5	10	10	1500	1	3	cm	c	cbcc	cbcc	
11	St. Abbs Head	1013.4	-16	SSW	6	ir	44	85	8	5	5	4-6	9+	2500	1014.5	+8	SSW	6	0	46	92	7	5	2	7-8	10	2500	1	3	cm	c	cbcc	cbcc
	Leuchars ...	1012.4	-4	SSW	5	fo	46	92	6	5	7	7-8	10	1500	1012.6	+10	SW	4	0	49	97	7	5	7	7-8	10	800	1	*	bcc	c	cbcc	cbcc
12	Renfrew (Abbots L.)	1011.7	-6	SSW	5	id	50	92	7	5	2	9	10	1000	1012.8	+18	SW	4	C/r	52	92	6	5	7	7-8	10	1200	1	*	cm	c	cbcc	cbcc
	Eskdalemuir ...	1015.2	-10	SW	6	ir	43	97	6	2	2	10	10	220	1015.5	+10	SW	6	0	47	97	4	2	10	10	1500	1	*	bcc	c	cbcc	cbcc	
	Point of Ayre ...	1015.3	-2	SW	5	id	51	92	7	8	1	7-8	10	1300	1015.8	+8	SW	5	C	52	92	7	5	2	4-6	10	2500	1	3	cdcm	c	cbcc	cbcc
13A	Tiree ...	1006.2	+28	SW	4	id	49	97	6	2	2	9+	9+	1500	1006.0	0	SSW	5	bc	49	92	7	5	10	10	1800	0	4	off	cm	irido	c	
13B	Stornoway ...	1002.6	+8	SSW	7	C/r	49	85	7	5	7	7-8	10	1500	1003.4	+10	SSW	5	C	47	92	7	5	7	4-6	10	1200	1	3	cm	c	cbcc	cbcc
15	Dalwhinnie ...	1018.4	-2	SSW	4	ir	40	92	7	5	4	4-6	7-8	800	1018.0	+12	SW	5	0	43	97	7	5	2	4-6	10	1500	4	*	cm	c	cbcc	cbcc
	Aberdeen ...	1012.5	-2	SSW	5	ir	44	85	6	7	7	7-8	10	1500	1012.0	+2	SW	5	C/r	46	97	6	5	2	7-8	10	1500	1	3	bcc	c	cbcc	cbcc
	Wick ...	1007.0	+10	S	6	cy	45	85	7	5	7	7-8	9	1500	1008.4	+14	S	6	C	46	92	8	5	7	7-8	10	2500	1	3	cm	c	cbcc	cbcc
16	Lerwick ...	1005.8	+6	SSW	8	rr	44	92	6	2	2	4-6	10	800	1007.5	+12	SSW	7	C	46	92	6	8	2	7-8	10	800	1	*	cm	c	cbcc	cbcc
17	Blacksod Point...	1008.0	+16	SSW	5	C	53	92	7	3	5	4-6	9	800	1007.8	-14	SW	6	rr	51	97	7	6	10	10	800	1	4	c	rr	rrq	rrq	
18	Malin Head ...	1007.7	+14	S	5	C	51	92	8	5	7	2-3	7-8	2500	1008.6	-4	S/W	4	bc	51	85	8	4	10	10	4000	1	4	c	rr	rrq	rrq	
	Aldergrove ...	1011.6	-2	SW	4	id	51	92	6	5	1	10	10	700	1012.3	+10	SSW	3	id	52	97	6	6	2	9+	10	700	1	*	irido	c	cbcc	cbcc
19	Birr Castle ...	1013.8	0	SW	3	C/r	54	85	7	6	2	4-6	10	1500	1014.3	+14	WSW	2	C/r	55	85	7	6	2	4-6	10	1500	1	*	irido	c	cbcc	cbcc
20	Valentia Obsy. †	1015.1	+6	SW	6	0/r	54	97	6	5	1	10	10	800	1015.1	-2	SW	6	Zo	55	92	6	5	10	10	1500	1	4	cm	c	cbcc	cbcc	
	Roches Point ...	1018.1	0	SW	5	id	52	92	6	5	1	10	10	450	1018.7	+10	SW	5	dd	52	92	6	5	10	10	450	1	4	id	cd	cdcm	cm	

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 15th Dec.				18h. G.M.T.				01h. G.M.T. 16th Dec.				07h. G.M.T.			
III	ww	Vh	DDFWN	C ₁	C ₂	ww	Vh	DDFWN	C ₁	C ₂	ww	Vh	DDFWN	C ₁	C ₂
109	57	02764	17666	57	02761	17527	5-	62568	49628	57	51666	18357			
115	52	02054	20586	52	02844	53527	52	62735	20488	52	62735	53568			
203	85	02844	16667				6-	81638	49888						
206	53	02055	11268	57	02964	20226	6-	62744	53468						
210	5-	02066	17366	57	02863	16425	51	02864	16467	51	02862	52667			
220															
230	52	02634	19668	57	02745	19468	62	63645	51768	62	62635	52668			
245	62	02644	51668	62	21645	16568	51	22743	53868	5-	14647	53828			
260	57	02756	16457	50	22744	22464	57	62753	18568	57	02745	51527			
277	5-	02758	18568	62	52646	17558	57	02756	49658	52	02754	49526			
279	8-	53637	15667	02	62648	53668	--	05548	16828	5-	02748	51828			
285															
288	57	08465	17417	5-	17458	16468	52	05654	17458	57	05645	18328			
273															
301	57	05566	15468	5-	62448	16458	5-	05668	18468	57	05654	18528			
321	57	08465	18226	5-	05548	17428	5-	05665	18425	07	05670	18426			
299	--	44209	22349	5-	05548	20418	5-	05548	23428	51	05644	22515			
292	07	41490	16148	5-	45348	18258	5-	05538	14268	5-	05647	14227			
310															
316	07	43390	16146	52	02555	16458	5-	02646	51526	57	01662	18425			
333	62	04536	16368	5-	21548	19458	5-	53648	18658	53	05644	51557			
334															
340	57	02864	14427	57	21675	19558	53	02846	17557	57	02763	15327			
136	--	48109	18349				5-	22536	18466	5-	05658	18428			
336															
350	03	05670	18346												
368	57	05654	22327												
379	52	05663	20215	5-	05648	18328	5-	05647	20427	5-	05648	20428			
390	--	48309	20249	57	45166	18347	5-	43348	16248	52	21335	16158			
382	53	01762	18214	52	22657	16268	53	05635	18327	53	05663	17325			
438	50	01535	30245												
430	00	05590	24215	57	08464	00027	5-	05657	18317	5-	21548	20358			
409	52	02764	15527	92	05647	17528	5-	05638	18958	5-	05638	18628			

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.
C₁, C₂ = 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).

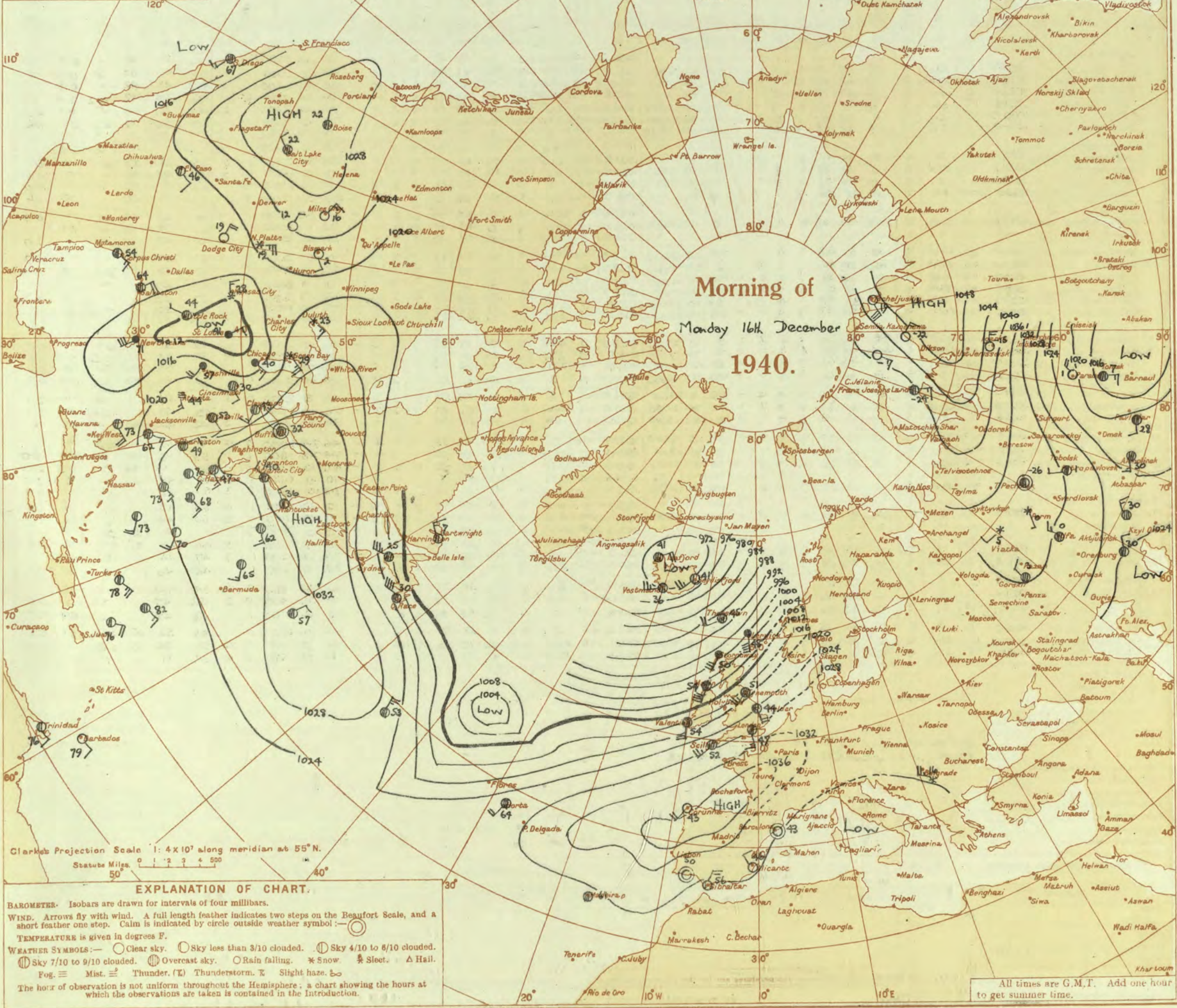
AIR MINISTRY, METEOROLOGICAL OFFICE.



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
Monday 16th December
1940.



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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:—○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. 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.

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 16th December.														OBSERVATIONS at 18h. G.M.T. 16th December.														PAST 24 HOURS.											
Distance.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Height of Base (feet) (14)	Barom. M.S.L. -mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.												
				Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)				Low 0-10 (12)	Total 0-10 (13)					Low (23)	Med. (24)	High (25)			Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	7h.-13h. 16th. (37)				13h.-18h. 16th. (38)		18h. to 1h. 17th. (39)		1h.-7h. 17th. (40)	
1	London (Kew)...	1030.5	-8	SSW	4	N	49	92	6	5	-	10	10	1030.6	+4	SW	4	N	49	92	6	5	-	10	10	1030.7	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Croydon ...	1030.5	-8	SSW	3	N	50	92	6	5	-	10	10	1030.4	+2	SW	2	N	49	92	6	5	-	10	10	1030.7	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	S. Farnborough	1030.6	-10	SW	3	N	50	97	5	5	2	9	10	1030.7	+4	SW	4	N	51	92	6	5	7	9	10	1030.7	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Boscombe Down	1028.8	-6	SSW	4	N	51	92	7	6	3	7-8	10	1029.5	0	SSW	5	N	51	92	6	6	-	10	10	1029.5	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Calshot (Soton.)	1030.6	-6	SW	4	N	50	92	6	5	-	10	10	1030.8	+2	SW	4	N	50	92	6	5	-	10	10	1030.8	1	2	cm	cid	cm	cm	cm	cm	cm	cm			
	Lympne	1032.7	-10	S	3	N	48	97	7	5	2	4-6	10	1033.1	0	SSW	3	N	46	97	5	5	-	10	10	1033.1	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Manston	1032.4	-10	S	4	N	46	97	6	5	-	10	10	1032.9	+4	SE	3	N	44	97	5	5	-	10	10	1032.9	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
2	Shoeburyness ...	1031.4	-14	SW	3	C	49	85	6	8	8	4-6	7-8	1031.5	+2	SW	3	C	47	87	6	5	-	10	10	1031.5	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Felixstowe	1031.2	-6	S	5	N	45	97	5	5	7	4	Tr	1030.7	-6	SW	5	N	45	97	5	5	-	10	10	1030.7	1	4	cm	cid	cm	cm	cm	cm	cm	cm			
	Gorleston	1029.8	-8	SW	5	N	47	92	6	-	3	-	0	1029.2	-4	SW	7	N	48	92	5	5	-	10	10	1029.2	1	3	cm	cid	cm	cm	cm	cm	cm	cm			
	Mildenhall	1028.5	-10	S	5	N	52	85	6	5	-	10	10	1028.2	-2	S	5	N	51	85	5	-	7	-	0	1028.2	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Cranwell	1028.8	-10	SSW	5	C	51	85	7	5	-	4-6	10	1028.6	+4	SW	5	C	52	85	7	5	-	10	10	1028.6	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
3	Birmingham	1024.9	-2	SSW	3	C	52	85	6	5	-	10	10	1025.0	+8	WSW	4	C	51	82	6	6	-	10	10	1025.0	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Upper Heyford	1027.8	-10	SSW	4	C	52	92	7	5	2	4-6	10	1028.2	+4	SW	4	C	51	92	8	5	7	-	7-8	10	1028.2	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
4	Ross-on-Wye ...	1025.0	-16	SW	5	C	55	75	7	5	7	8	2-3	1026.0	+12	SW	4	id	52	92	7	5	-	10	10	1026.0	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
5	Hartland Point	1025.1	-6	SW	6	C	53	85	8	5	-	10	10	1025.3	+40	W	3	C	49	92	8	5	-	10	10	1025.3	1	3	cm	cid	cm	cm	cm	cm	cm	cm			
	Bristol ...	1027.9	-6	SSW	4	C	55	85	8	5	-	10	10	1028.3	+14	SSW	4	C	52	92	8	5	-	10	10	1028.3	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Portland Bill	1029.1	-8	SSW	5	C	51	92	7	5	-	10	10	1029.4	+4	S	5	C	51	92	7	5	-	10	10	1029.4	1	4	cm	cid	cm	cm	cm	cm	cm	cm			
	Plymouth	1029.4	-2	SSW	5	C	53	92	6	6	2	7-8	10	1030.3	+8	SW	5	dd	52	97	4	2	-	10	10	1030.3	1	3	cm	cid	cm	cm	cm	cm	cm	cm			
	The Lizard	1028.8	0	SW	6	C	53	97	7	5	2	-	10	10	1029.1	+6	NNE	4	50	97	7	5	-	10	10	1029.1	1	3	cm	cid	cm	cm	cm	cm	cm	cm			
	Scilly (St. Mary's)	1026.8	+2	SW	5	C	53	92	6	5	-	10	10	1030.3	+26	NW	2	C	49	92	7	5	2	-	7-8	10	1030.3	1	3	cm	cid	cm	cm	cm	cm	cm	cm		
	Guernsey	1026.8	+2	SW	5	C	53	92	6	5	-	10	10	1030.3	+26	NW	2	C	49	92	7	5	2	-	7-8	10	1030.3	1	3	cm	cid	cm	cm	cm	cm	cm	cm		
6	Pembroke	1022.6	-6	SW	7	C	54	85	6	5	2	-	7-8	10	1023.3	+36	WNW	5	C	50	75	7	5	-	7-8	10	1023.3	1	3	cm	cid	cm	cm	cm	cm	cm	cm		
7	Holyhead	1018.3	-2	SSW	6	N	53	85	6	5	2	-	10	10	1026.2	+54	W	6	C	46	73	8	5	3	-	2-3	10	1026.2	1	3	cm	cid	cm	cm	cm	cm	cm		
	Chester (Sealand)	1021.6	-6	SW	3	C	57	65	8	5	7	-	7-8	10	1026.7	+54	WNW	3	C	48	85	7	8	2	-	10	1026.7	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
8	Manchester	1021.8	-12	S	4	N	54	75	6	5	7	-	4-6	10	1025.4	+38	W	5	dd	48	97	5	6	-	10	10	1025.4	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
10	Spurn Head	1023.9	-10	SSE	5	C	49	92	7	5	-	10	10	1022.4	0	SSE	5	C	49	92	7	5	-	10	10	1022.4	1	3	cm	cid	cm	cm	cm	cm	cm	cm			
	Catterick	1018.4	-24	SW	5	N	53	75	6	5	7	2	4-6	10	1022.7	+40	W	3	C	49	65	7	5	7	-	7-8	10	1022.7	1	*	cm	cid	cm	cm	cm	cm	cm		
	Tynemouth	1016.6	-16	SSW	5	C	54	75	6	5	-	10	10	1021.4	+60	WSW	5	C	51	75	6	8	-	10	10	1021.4	1	2	cm	cid	cm	cm	cm	cm	cm	cm			
11	St. Abbs Head	1011.4	-14	SW	8	C	54	75	8	5	2	-	7-8	10	1018.2	+40	WNW	5	C	45	75	8	5	2	-	4-6	10	1018.2	1	3	cm	cid	cm	cm	cm	cm	cm		
	Leuchars	1008.1	-18	SSW	7	id	55	85	7	5	2	-	4-6	10	1017.9	+74	WSW	4	C	43	85	8	4	-	2-3	10	1017.9	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
12	Renfrew (Abbots L.)	1010.1	+10	W	6	rr	50	97	7	5	2	-	7-8	10	1020.8	+58	WS	4	C	43	92	8	5	-	Tr	10	1020.8	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
	Eskdalemuir	1012.2	-20	SW	8	rr	49	97	6	2	-	10	10	1020.3	+56	WN	5	C	41	75	7	5	-	2-3	10	1020.3	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
	Point of Ayre	1013.3	-24	SW	8	id	54	95	7	6	2	-	4-6	10	1020.3	+56	WN	5	C	41	75	7	5	-	2-3	10	1020.3	1	*	cm	cid	cm	cm	cm	cm	cm	cm		
13A	Tiree	1010.4	+36	WN	4	rr	43	92	7	2	-	10	10	1018.8	+40	W	5	C	44	75	8	7	-	1	1	1018.8	1	*	cm	cid	cm	cm	cm	cm	cm	cm			
13B	Stornoway	1005.5	+76	WSW	3	C	44	85	8	5	2	-	4-6	10	1014.0	+26	SW	4	C	40	75	7	5	7	-	4-6	10	1014.0	1	2	cm	cid	cm	cm	cm	cm	cm		
15	Dalwhinnie	1005.5	+76	WSW	3	C	44	85	8	5	2	-	4-6	10	1014.0	+26	SW	4	C	40	75	7	5	7	-	4-6	10	1014.0	1	2	cm	cid	cm	cm	cm	cm	cm		
	Aberdeen	1007.3	-2	SSW	5	id	51	92	6	6	2	-	10	10	1017.1	+70	NW	2	C	42	85	7	6	-	2-3	10	1017.1	1	2	cm	cid	cm	cm	cm	cm	cm	cm		
	Wick	1005.1	+30	W	3	id	45	92	7	5	-	10	10	1012.7	+42	SW	3	C	38	85	7	3	-	2-3	10	1012.7	1	2	cm	cid	cm	cm	cm	cm	cm	cm			
16	Lerwick	1002.1	+16	SW	6	id	45	92	6	6	2	-	4-6	10	1007.3	+28	W	7	C	45	65	7	3	7	-	7-8	10	1007.3	1	*	cm	cid	cm	cm	cm	cm	cm		
17	Blacksod Point..	1015.5	+42	W	5	C	47</																																

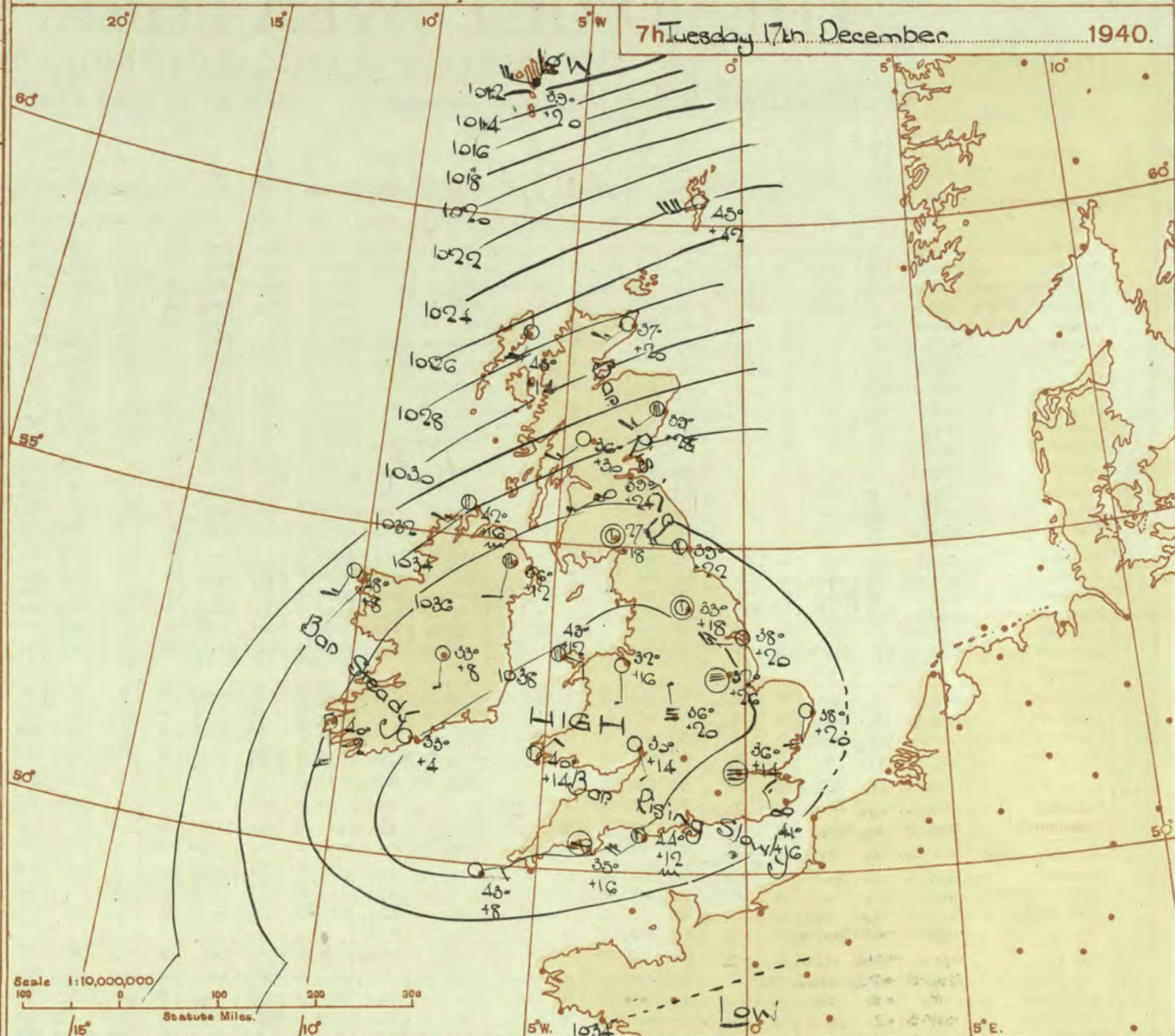
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T.	16h. Dec.	18h. G.M.T.	01h. G.M.T.	17h. Dec.	07h. G.M.T.
III C _M wwVhN _H DDFWN	C _L C _M wwVhN _H DDFWN	C _L C _M wwVhN _H DDFWN	C _L C _M wwVhN _H DDFWN	C _L C _M wwVhN _H DDFWN	C _L C _M wwVhN _H DDFWN
109 5-62648 23568	50 01762 23562	30 10864 55684	50 00861 21581		
115 5266735 53668	51 01844 24583	87 81834 57787	87 83854 57785		
203 5-64638 22668		2- 01834 20684	5- 00842 20612		
206 0262848 25368	50 00862 22262	80 00863 22303			
210 62 64637 28468	50 01853 21363	00 00890 16580	55 01062 20313		
220 62 22745 27568	40 01753 23563		80 01744 24514		
230 5262735 25568	50 01852 24262	80 25851 22381	8- 25855 20485		
245 5251746 51758	50 00862 57562	00 00900 22200	04 05690 24216		
260 50 61844 18727	80 81655 24465	50 00863 20303	5- 02765 20218		
277 62 63637 22638	40 00861 23581	00 00890 24201			
279 62 62638 50368	5- 02745 20465	00 05690 24300	5- 02756 00006		
285 53 02745 20727	6- 61736 24666		20 01744 32414		
288 57 05654 50527	57 05654 55465	00 00890 21260	00 00890 20101		
273 82 02654 20568			10 01751 17301		
301 57 05655 18528	50 21753 25363	60 00790 26110	00 01690 22203		
321 57 05654 31628	9- 82558 56428	00 05690 26100	00 45390 26140		
299 57 05644 22515	5- 05647 20527	50 00851 24301	00 00890 24300		
292 57 05655 18328	57 22746 24468	00 00790 24200	00 05690 00000		
310 -- 02636 20626	-- 63428 20428		-- 01631 26311		
316 5- 05545 18428	5- 51648 18568	00 00690 24210	00 00590 32100		
333 52 05647 20728	5- 01754 24364		50 00752 00003		
334					
340 53 02864 51627	5- 21646 22356	10 00853 26213	00 05690 00001		
136 53 05674 17557	5- 05637 18527	04 05690 26363			
336 52 51755 20558	62 61645 20568				
350 57 02756 16428					
368 5- 02758 23428					
379 52 02746 18528	6- 51627 18427	03 01790 24201	00 05690 32200		
390 53 05544 17325	5- 47335 18358	5- 21558 24358	00 05590 24310		
382 52 51744 17458	5- 05654 18425	00 00890 28203	00 05590 28100		
438 02 57000 22459			50 01753 04413		
430 5- 05638 18528	5- 05648 18328	61 62657 28168	03 00790 04201		
409 57 02745 18728	5- 61638 25268	04 05690 00013	00 00390 06202		

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_L, 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Tuesday 17th December 1940.



Mb. 1050
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DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th December.

1 S.E. England	Light variable winds. Fine, but with fog becoming widespread tonight and persisting locally tomorrow. Average day temperature, Frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable to southerly winds. Fair, but local inland fog developing tonight. Average day temperature, frost inland at night.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 1-4.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate sw winds. Fair at first, occasional rain in west later. Average temperature.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Fresh W. to S.W. winds, strong to gale at times in north. Fair at first apart from scattered showers in west. More general rain spreading from S.W. later. Average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate S. to S.W. wind, freshening. Fair at first, occasional slight rain later. Average temperature to rather mild.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

GENERAL INFERENCE.

An anticyclone which has developed over the southern half of the British Isles will move eastwards, and a depression in the vicinity of the Azores will move northeastwards to give a renewal of rain in northwestern districts during the night. In the S.E. it will be fine but with fog and frost at night.

FURTHER OUTLOOK.

Unsettled in the N.W. Fair in S.E. apart from fog.

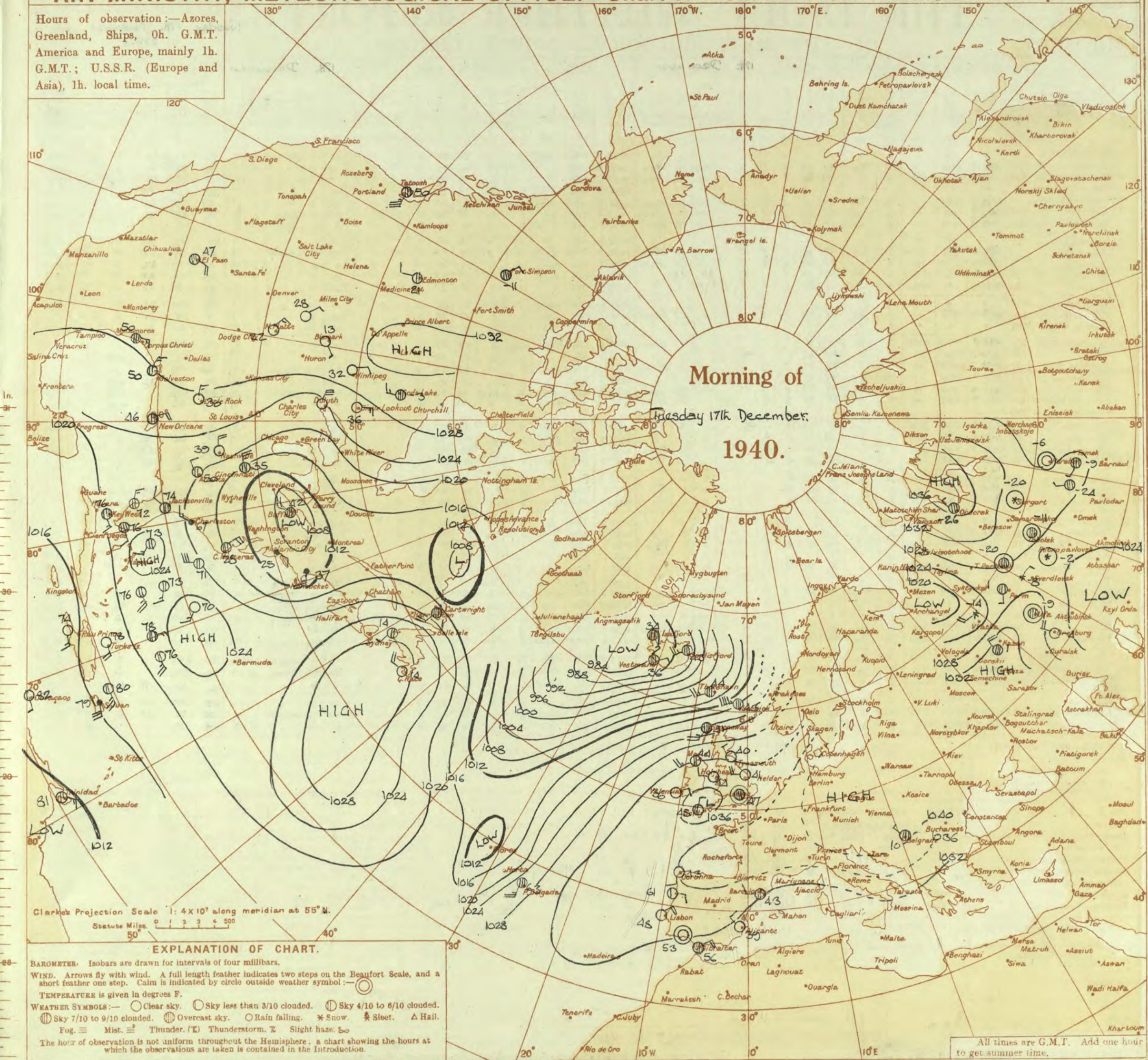
Forecasts issued at 10.30 G.M.T.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday 17th December 1940.
No. 23880

OBSERVATIONS at 1 hr. G.M.T. 17th December														OBSERVATIONS at 7 hr. G.M.T. 17th December														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 16th Hrs. (36)		
					Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc. (17)					Force 0-12 (18)	Low. (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base. (feet) (28)	Max. Day 71-15h °F. (31)	Min. Night 15h-7h °F. (32)	Min. on Grass °F. (33)		Day 7h-15h mm. (34)	Night 15h-7h mm. (35)
1	London (Kew) ... 18	1033.8	+22	*	*	*	47	97	4	5	1	46	10	900	1037.8	+20	NE	2	20	38	85	6	5	-	-	1	1	2500	1	*	50	37	19	Tr	0.6	0.2		
	Croydon ... 217	1033.8	+22	*	*	o/pr	47	97	4	5	1	46	10	900	1037.3	+14	-	0	bf	36	92	3	-	-	-	0	0	-	1	*	50	35	30	0.1	1	0.0		
	S. Farnborough ... 226	1034.8	+26	NW	2	c	48	85	7	5	-	-	10	10	1038.2	+16	-	0	fg	33	97	5	-	-	-	0	0	-	1	*	51	33	29	0.2	0.1	0.0		
	Boscombe Down ... 417	1034.5	+24	*	*	c/d	47	97	6	5	7	46	10	1800	1038.3	+18	N'W	2	20	34	92	6	-	-	-	0	0	-	1	*	52	33	28	0.1	0.2	0.0		
	Calshot (Stmntn.) ... 8	1034.5	+24	*	*	c/d	47	97	6	5	7	46	10	1800	1037.2	+14	N'W	1	20	38	92	6	-	-	-	0	0	-	1	1	51	37	32	-	0.3	0.0		
	Lympne ... 346	1033.5	+2	W	1	rF	48	97	1	-	-	10	10	450	1036.2	+16	NW	3	20	41	92	5	5	3	-	4.6	7.8	1200	1	2	48	41	37	0.3	3	0.0		
	Manston ... 154	1033.4	+4	SW	3	rF	47	97	5	6	-	-	10	300	1036.9	+14	NW	2	20	41	92	5	5	-	-	1	1	3000	1	2	48	41	37	0.3	3	0.0		
2	Shoeburyness ... 11	1033.2	+18	NW	3	c/d	47	92	7	5	-	-	10	10	1037.2	+18	N	2	b	36	92	6	-	-	-	0	1	-	1	*	49	36	26	-	1	0.7		
	Felixstowe ... 15	1033.2	+18	NW	3	c/d	47	92	7	5	-	-	10	10	1036.9	+16	NNW	3	20	38	92	5	5	-	-	Tr	Tr	4000	1	2	46	38	35	-	0.4	0.6		
	Gorleston ... 5	1033.1	+20	NW	2	c	47	92	6	8	-	-	10	1500	1036.7	+20	SSW	2	b	38	92	5	-	-	-	0	0	-	1	2	48	37	33	Tr	1	0.4		
	Mildenhall ... 19	1033.8	+30	NW	2	bc	44	92	7	-	7	-	0	4.6	1037.5	+14	NW	2	20	33	97	5	-	-	-	0	0	-	1	*	53	32	22	Tr	1	0.0		
	Cranwell ... 240	1033.6	+26	NNW	4	20	41	85	6	-	-	1	0	1	1038.3	+26	-	0	m	32	97	4	-	-	-	0	0	-	1	*	52	32	25	-	Tr	0.2		
3	Birmingham ... 535	1034.8	+28	W	2	bc	41	85	7	5	-	5	1	2.3	1038.1	+20	NNW	1	bft	36	85	3	-	-	-	0	0	-	1	*	53	35	25	Tr	1	0.0		
	Upper Heyford ... 408	1034.8	+28	W	2	bc	41	85	7	5	-	5	1	2.3	1038.7	+24	NNW	2	20	35	92	5	-	-	-	0	0	-	1	*	53	34	25	Tr	1	0.0		
4	Ross-on-Wye ... 223	1034.8	+28	W	2	bc	41	85	7	5	-	5	1	2.3	1039.2	+14	SE	1	fg	30	97	6	-	-	-	0	0	-	1	*	55	30	21	0.1	-	0.0		
5	Hartland Point ... 299	1035.7	+26	NNE	3	b	45	75	8	5	-	-	1	1	1038.1	+16	NNE	2	b	43	85	8	-	-	-	0	0	-	1	2	54	42	38	1	-	0.0		
	Bristol ... 209	1036.2	+30	W	1	b	40	85	7	-	4	-	0	Tr	1039.2	+16	-	0	20	34	92	5	-	-	-	0	0	-	1	*	55	32	-	0.3	1	0.2		
	Portland Bill ... 32	1034.7	+24	W	2	c	48	92	7	5	-	-	10	10	1037.3	+12	SW	4	bc	44	85	8	5	-	-	4.6	4.6	4000	1	4	51	43	-	-	-	0.0		
	Plymouth ... 82	1035.7	+26	N	0	20	44	92	6	-	-	5	0	2.3	1038.3	+16	-	0	20	35	92	5	-	-	-	0	Tr	-	0	0	53	35	26	0.5	1	0.0		
	The Lizard ... 240	1035.4	+22	N	4	bc	42	85	8	4	-	-	4.6	4.6	1037.7	+12	NE	2	b	41	92	8	4	-	-	2.3	2.3	2500	1	2	(53)	40	-	-	-	0.0		
	Scilly (St. Mary's) ... 163	1035.7	+24	N	2	bc	45	75	8	8	-	3	1	4.6	1037.4	+8	ESE	2	b	43	75	8	-	-	-	0	0	-	1	2	53	43	-	-	-	0.0		
	Guernsey ... 175	1035.7	+24	N	2	bc	45	75	8	8	-	3	1	4.6	1037.4	+8	ESE	2	b	43	75	8	-	-	-	0	0	-	1	2	53	43	-	-	-	0.0		
6	Pembroke ... 142	1036.3	+20	N'E	2	b	41	75	8	-	4	-	0	Tr	1039.2	+14	NE	2	b	40	92	8	-	-	-	0	Tr	-	1	2	51	38	-	1	Tr	0.0		
7	Holyhead ... 26	1034.9	+34	N	2	b	44	97	8	-	-	0	0	-	1037.9	+12	ESE	2	g/f	43	75	6	-	-	7	0	10	-	1	1	(58)	38	30	3	-	0.0		
	Chester (Sealand) ... 16	1035.7	+42	N	1	b	39	85	7	1	-	1	Tr	Tr	1038.8	+16	S'E	1	bf	32	85	5	-	-	-	0	0	-	1	*	53	32	27	1	-	0.0		
8	Manchester ... 70	1035.3	+38	W	1	20	39	92	6	-	-	-	0	0	1038.9	+18	SE	1	bft	32	97	2	-	-	-	0	0	-	3	*	55	30	21	2	-	0.0		
10	Spurn Head ... 29	1032.6	+32	W	4	b	41	92	6	-	-	-	0	0	1037.3	+20	N	3	b	38	97	7	-	-	-	0	0	-	1	2	49	37	-	-	-	0.0		
	Catterick ... 175	1033.5	+38	N	0	b	39	85	8	-	-	-	0	0	1037.9	+18	-	0	33	92	8	-	-	-	0	Tr	-	0	1	54	33	24	0.4	-	0.0			
	Tynemouth ... 108	1031.8	+36	NW	2	20	40	85	6	-	-	-	0	0	1036.4	+22	NNW	3	bc	39	85	5	5	-	-	1	2.3	1800	1	2	56	36	36	0.2	0.3	*		
11	St. Abbs Head ... 280	1029.9	+42	NNW	6	b	39	85	8	-	-	-	0	0	1034.3	+20	W	5	bc	38	92	8	4	5	-	2.3	4.6	2500	0	3	54	38	-	0.3	-	*		
	Leuchars ... 36	1028.9	+34	W	3	b	40	75	8	-	-	-	0	0	1034.0	+26	SW	3	20	39	92	6	5	7	-	Tr	4.6	3500	1	1	55	36	28	1	-	0.0		
12	Renfrew (Abbots I.) ... 19	1030.4	+28	WSW	4	b/pr	41	85	8	-	-	1	1	2500	1035.1	+24	SW	1	20	39	97	6	-	-	6	0	2.3	-	1	*	55	38	31	5	Tr	0.0		
	Eskdalemuir ... 794	1030.4	+28	WSW	4	b/pr	41	85	8	-	-	1	1	2500	1038.1	+18	-	0	27	97	8	-	-	-	4	1	0	-	3	1	55	40	26	5	-	0.0		
	Point of Ayre ... 30	1033.1	+22	N	3	b	43	75	8	-	-	-	0	0	1037.1	+20	N	3	b	39	92	8	-	-	-	0	1	-	0	2	55	37	-	-	-	0.0		
13A	Tiree ... 22	1022.8	+34	SW	5	b/pr	41	85	8	-	-	-	2.3	2.3	1500	1030.4	+16	SWW	4	bc	47	85	8	7	3	-	2.3	2.3	2800	0	4	49	42	-	0.4	0.0		
13B	Stornoway ... 80	1022.8	+34	SW	5	b/pr	41	85	8	-	-	-	2.3	2.3	1500	1026.7	+14	SSW	4	bc	45	75	8	5	-	-	1	1	3000	1	2	48	40	-	1	0.0		
15	Dalwhinnie ... 1176	1022.8	+34	SW	5	b/pr	41	85	8	-	-	-	2.3	2.3	1500	1032.9	+30	SW	3	bc	36	85	8	2	-	-	2.3	2.3	1500	1	*	40	33	28	12	0.3	0.0	
	Aberdeen ... 79	1023.4	+38	SW	4	bc	39	75	7	5	4	-	2.3	2.3	2500	1033.2	+28	SWW	3	c	39	75	6	5	7	-	1	9	4000	1	2	52	37	31	4	-	0.0	
	Wick ... 81	1023.4	+38	SW	4	bc	39	75	7	5	4	-	2.3	2.3	2500	1028.6	+20	SW	3	b	37	85	8	-	-	1	0	Tr	-	1	2	50	35	-	11	-	0.0	
16	Lerwick ... 156	1016.0	+28	WSW	9	g/pr	43	75	7	8	7	-	4.6	7.8	800	1023.6	+12	WSW	8	bc	45	75	7	5	7	-	4.6	4.6	1500	1	*	50	42	-	7	0.5	0.0	
17	Blacksod Point ... 18	1031.6	+18	W	3	bc	47	75	8	-	5	-	0	2.3	1033.5	+8	SW	3	b	48	75	8	-	-	-	1	1											

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Wednesday 18th December 1940.
 No. 28,881.

OBSERVATIONS at 13h. G.M.T. 17th December.														OBSERVATIONS at 18h. G.M.T. 17th December.														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. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.									
				Direc. (3)	Force. 0-12 (4)					Form. (10)	Amount. (11)	Height of Base. (feet) (14)			Direc. (17)	Force 0-12 (18)					Form. (23)	Amount. (24)	Height of Base (feet) (28)			7h.—18h. 17th. (37)	13h.—18h. 17th. (38)	18h.—17h. 18th. (39)	1h.—7h. 18th. (40)						
																										Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)	Low (23)	Med. (24)	High (25)	Low 0-10 (26)	Total (27)	7h.—18h. 17th. (37)	13h.—18h. 17th. (38)	18h.—17h. 18th. (39)	1h.—7h. 18th. (40)
1	London (Kew)...	1040.3	0	NE	2	bc	44	75	4	-	-	0	0	-	1041.0	+8	N/E	2	bft	40	85	2	-	-	-	0	0	-	1	*	bmbm	bmbf	bfffx	offfx	
	Croydon ...	1039.8	+2	-	0	bc	42	85	3	-	-	0	0	-	1040.8	+2	NNE	1	bft	37	82	3	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
	S. Farnborough ...	1040.4	-2	NW	2	bc	44	75	5	-	-	1	0	Tr	1041.3	+10	NE/N	1	bft	34	85	3	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
	Boscombe Down ...	1040.2	-2	EN	3	bc	44	75	7	-	-	1	0	2-3	1041.3	+8	-	0	36	82	5	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx		
	Calshot (Soton.) ...	1039.7	+2	NE	2	bc	45	75	6	-	-	1	0	0	1040.4	+6	-	0	38	82	4	-	-	-	0	0	-	1	1	bmbf	bmbf	bfffx	bfx		
	Lympne ...	1038.8	+4	NNE	3	bc	43	82	6	5	-	4-6	4-6	700	1040.2	+6	N	1	1	39	87	6	5	-	-	-	1	1500	1	2	bmbf	bmbf	bfffx	bfx	
	Manston ...	1039.3	-2	NNE	3	bc	45	82	6	5	-	7-8	7-8	1200	1040.7	+4	NNE	1	1	42	82	6	-	3	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx
2	Shoeburyness ...	1039.1	-2	NNE	3	bc	45	85	6	-	-	0	0	-	1041.2	+4	N	1	1	38	85	5	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
	Felixstowe ...	1039.8	+2	NE/N	3	bc	44	85	6	-	-	0	0	-	1040.7	+2	NNE	3	3	38	85	5	-	-	-	0	0	-	1	1	bmbf	bmbf	bfffx	bfx	
	Gorleston ...	1040.0	+4	NNE	3	bc	45	85	7	-	4	-	0	1	1041.4	+12	N	1	1	43	82	5	-	-	-	0	0	-	1	1	bmbf	bmbf	bfffx	bfx	
	Mildenhall ...	1040.4	+2	-	0	bc	41	85	5	-	-	0	0	-	1042.0	+10	WNW	1	1	31	87	1	-	-	-	0	0	-	3	*	bmbf	bmbf	bfffx	bfx	
	Cranwell ...	1041.4	+10	WNW	3	bc	43	75	5	-	-	0	0	-	1042.1	+6	-	0	32	87	2	-	-	-	0	0	-	0	*	bmbf	bmbf	bfffx	bfx		
3	Birmingham ...	1041.2	+4	NNE	1	bft	40	75	3	-	-	0	0	-	1041.9	+4	SSE	2	2	37	85	4	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
	Upper Heyford ...	1041.2	+12	NW	2	m	41	85	4	-	-	5	0	0	1041.7	+8	ENE	1	1	35	87	3	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
4	Ross-on-Wye ...	1041.0	+4	NE	1	m	39	85	4	-	-	6	0	4-6	1041.3	+4	WSW	1	1	33	82	2	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
5	Hartland Point ...	1039.5	+2	E	2	bc	42	65	8	-	-	6	0	4-6	1039.6	+4	E	3	3	37	85	8	4	-	-	-	0	0	-	1	2	bmbf	bmbf	bfffx	bfx
	Bristol ...	1041.4	+4	NNE	1	bc	42	85	5	-	-	5	0	2-3	1042.1	+8	-	0	33	82	5	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx		
	Portland Bill ...	1039.8	+12	NE	3	bc	46	85	8	5	-	4-6	4-6	4000	1040.3	+8	NE	2	2	43	85	8	5	-	-	-	0	0	-	1	3	bmbf	bmbf	bfffx	bfx
	Plymouth ...	1039.6	+4	EN	3	bc	45	75	8	-	-	6	0	7-8	1040.1	+26	E	1	1	39	85	4	-	-	-	0	0	-	0	1	bmbf	bmbf	bfffx	bfx	
	The Lizard ...	1038.5	0	ESE	2	bc	49	75	8	8	6	4-6	4-6	3500	1038.6	0	ESE	3	3	47	85	8	8	-	-	-	4-6	4-6	2000	1	2	bmbf	bmbf	bfffx	bfx
	Scilly (St. Mary's) ...	1038.3	-2	ESE	3	bc	50	75	8	1	4	4	Tr	4-6	1800	1038.0	0	ESE	3	3	47	85	7	8	4	-	4-6	4-6	1500	1	2	bmbf	bmbf	bfffx	bfx
	Guernsey ...	1038.5	+4	SE	4	bc	46	75	7	-	7	-	0	4-6	1039.6	-2	SE	5	5	45	75	7	5	7	1	Tr	2-3	3000	1	2	bmbf	bmbf	bfffx	bfx	
6	Pembroke ...	1039.9	+2	S	3	bc	46	85	7	-	-	6	0	4-6	1039.1	+2	S	3	3	42	85	7	-	3	2	0	2-3	-	1	1	bmbf	bmbf	bfffx	bfx	
7	Holyhead ...	1041.1	+8	SE	1	b	39	85	5	-	-	0	0	-	1040.3	+6	SSE	2	2	35	85	4	-	-	-	0	0	-	1	*	bmbf	bmbf	bfffx	bfx	
8	Chester (Sealand) ...	1041.6	+14	SE	1	F	28	87	0	-	-	10	10	1500	1041.3	+6	ENE	2	2	31	87	0	-	-	-	0	0	-	3	*	bmbf	bmbf	bfffx	bfx	
	Manchester ...	1041.6	+14	SE	1	F	28	87	0	-	-	10	10	1500	1041.3	+6	ENE	2	2	31	87	0	-	-	-	0	0	-	3	*	bmbf	bmbf	bfffx	bfx	
10	Spurn Head ...	1041.1	+14	WN	1	bc	41	82	6	-	-	8	0	2-3	1041.6	+6	-	0	39	87	4	-	-	-	8	0	4-6	-	0	0	bmbf	bmbf	bfffx	bfx	
	Catterick ...	1040.3	+4	S	1	bc	42	85	6	-	-	0	0	-	1041.1	+6	SW	1	1	36	87	3	-	-	-	1	0	Tr	-	0	0	bmbf	bmbf	bfffx	bfx
	Tynemouth ...	1039.9	+12	SW	1	m	42	75	4	-	3	2	0	4-6	1039.9	+6	SW	2	2	38	85	4	5	-	-	4-6	4-6	1600	1	2	bmbf	bmbf	bfffx	bfx	
11	St. Abbs Head ...	1036.9	+6	SW	5	b	40	85	8	4	-	Tr	Tr	3000	1037.5	+6	W	4	4	38	82	8	4	4	-	2-3	4-6	2500	0	2	bmbf	bmbf	bfffx	bfx	
	Leuchars ...	1037.1	+16	SW	3	bc	43	85	6	2	7	-	1	2-3	3500	1037.1	+2	SW	2	2	40	85	5	-	4	6	0	2-3	-	1	*	bmbf	bmbf	bfffx	bfx
12	Reafrew (Abbots L.) ...	1037.6	+2	SW	3	bc	46	75	7	2	-	1	2-3	4-6	2500	1037.6	-2	SSW	3	3	41	85	4	5	-	4	Tr	4-6	2500	1	*	bmbf	bmbf	bfffx	bfx
	Eskdalemuir ...	1039.5	+4	SW	2	bc	38	82	6	5	-	7-8	7-8	450	1039.1	+4	SW	1	1	35	87	4	5	1	-	9	9	1500	1	*	bmbf	bmbf	bfffx	bfx	
	Point of Ayre ...	1039.4	0	WS	2	b	50	75	8	4	-	1	Tr	1	4000	1038.7	-2	SSW	3	3	43	85	8	-	4	6	0	4-6	-	0	2	bmbf	bmbf	bfffx	bfx
13A	Tiree ...	1032.0	0	SW	5	bc	47	85	7	8	3	-	2-3	4-6	2500	1032.4	0	SSW	5	5	43	75	7	5	-	4-6	4-6	2800	0	4	bmbf	bmbf	bfffx	bfx	
13B	Stornoway ...	1028.3	+6	SSW	6	c/pr	48	85	7	3	4	-	4-6	7-8	1800	1028.1	-2	SSW	7	7	47	85	7	5	-	9	9	1200	1	4	bmbf	bmbf	bfffx	bfx	
15	Dalwhinnie ...	1035.8	+4	SSW	3	c	41	85	7	8	-	-	7-8	7-8	2500	1036.0	+2	SSW	3	3	36	85	7	5	-	-	2-3	2-3	2500	1	*	bmbf	bmbf	bfffx	bfx
	Aberdeen ...	1035.6	+4	SSW	3	b	41	85	6	-	9	0	Tr	-	1036.1	+6	SW	3	3	40	85	6	-	4	-	0	Tr	-	1	2	bmbf	bmbf	bfffx	bfx	
	Wick ...	1031.3	+6	SW	3	c	43	85	8	-	3	2	0	7-8	-	1031.6	-2	SW	4	4	43	85	7	5	4	-	2-3	2-3	1500	1	2	bmbf	bmbf	bfffx	bfx
16	Lerwick ...	1026.2	+4	SW	8	c	46	75	7	5	7	-	4-6	7-8	1500	1027.4	+2	SW	8	8	47	85	7	5	7	-	4-6	7-8	1500	1	*	bmbf	bmbf	bfffx	bfx
17	Blacksod Point ...	1033.9	-6	S	4	c	47	85	8	-	-	7	0	10	-	1032.0	-10	S	4	4	46	85	7	-	7	-	0	10	-	0	3	bmbf	bmbf	bfffx	bfx
18	Malin Head ...	1035.5	0	S	3	bc	43	75	8	2	-	1	2-3	4-6	5700	1034.5	0	S	4	4	39	75	8	5	7	1	4-6	7-8	5700	0	4	bmbf	bmbf	bfffx	

Abridged observations of additional stations in the

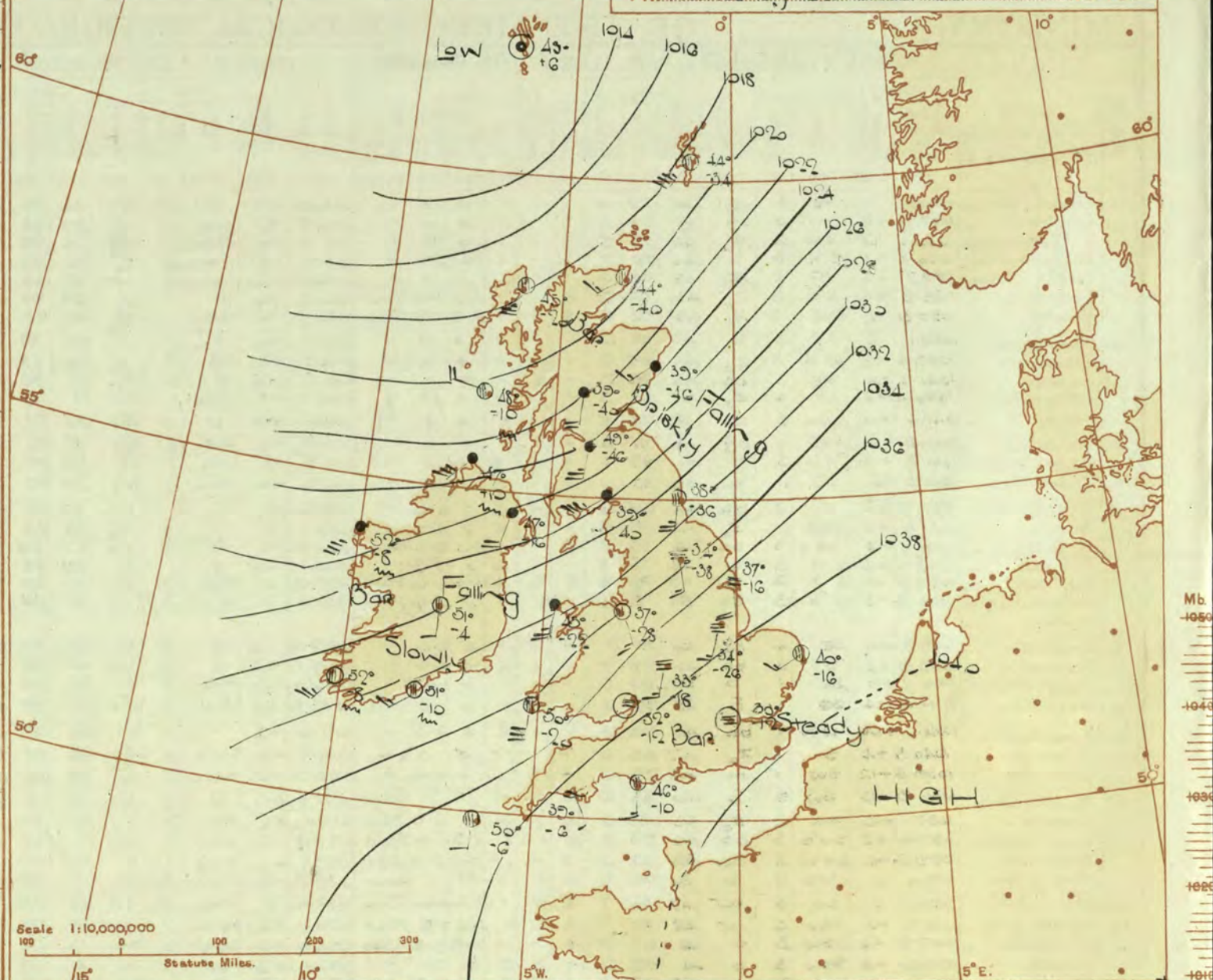
AVIATION WEATHER CODE

13h. G.M.T. 17th December 18h. G.M.T.				01h. G.M.T. 5th December 07h. G.M.T.			
IIIC	wwVhN	DDFWN	C ₁ C ₂	wwVhN	DDFWN	C ₁ C ₂	wwVhN
109 57	01744	18514	50	00863	20413	07	02890
115 85	14854	53785	52	81854	53785	52	14854
203							
206 84	01963	22414	54	00961	21412	52	02855
210 54	00961	20402	50	02857	20427	52	02866
220							
230 86	01842	16314	00	01790	16314	52	62644
245 00	05590	24100	04	05590	18203	01	05690
260 50	00861	20201				57	05673
277 04	00830	19303	51	02851	16327	52	64746
279							
285 10	00852	30412	23	01634	20314		
288 00	00830	18211				01	45290
278 00	00730	12200					
301 00	08430	20200	00	47190	00040	53	43362
321 00	47390	20100	00	47290	00040	00	43290
299 70	05653	24213	50	05652	22202	00	08490
292 00	08490	00010	00	47290	00040	--	48109
310 --	04531	26311	--	01523	08313		
316 00	45390	00040	00	45190	00040	03	43190
333 00	17990	08205	00	00990	12312	03	02890
334							
340 00	05690	00003	00	45390	00042	03	45390
136 04	05690	28201	00	05590	06101	03	47190
336 10	01752	08413	10	01753	32313		
350 03	05690	32201					
368							
379 00	05690	02203	00	08490	06200	--	48109
390 00	05690	06200	00	47290	00040	--	46009
382 00	05690	02103	00	08490	06101	--	46009
438 00	00790	04300					
430 00	00590	04301	00	45390	08140	00	47390
409 00	00790	08205	54	05654	08313	00	05690

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.
 C₁ C₂ = 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. Wednesday 18th December 1940.



DISTRICTS.

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

1 S.E. England	Freshening SSW wind; persistent fog at first in eastern counties, dense in places, clearing; otherwise fair with cloud increasing; less cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate SW winds, fresh at times, on the coast; mainly cloudy; some local coast drizzle; rather mild.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Fresh southwesterly winds; dull, rain at times today; becoming mild.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W.Scot- land.	Southwest winds fresh to strong at times on coast; mainly dull; occasional rain; mild.
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	As 12-13

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 covers most of Europe. A depression south of the Faeroes will move ENE and another NW of the Azores will move NE. Weather will be unsettled and rather mild in the northwestern half of the British Isles with occasional rain. Weather will continue fair in the Southeast but there will be some persistent fog in the eastern counties at first.

FURTHER OUTLOOK.

Fair and rather mild in the Southeast; continuing unsettled and mild in the west and north.

Gale warning issued at 14.30h on 17th for districts 17 & 20, at 21.10h on 17th for districts 13A, 13B, 16 & part of 13, and at 03.00h on 18th for districts 7, 8, 12, 11, 15, remainder of 13 and part of 19.

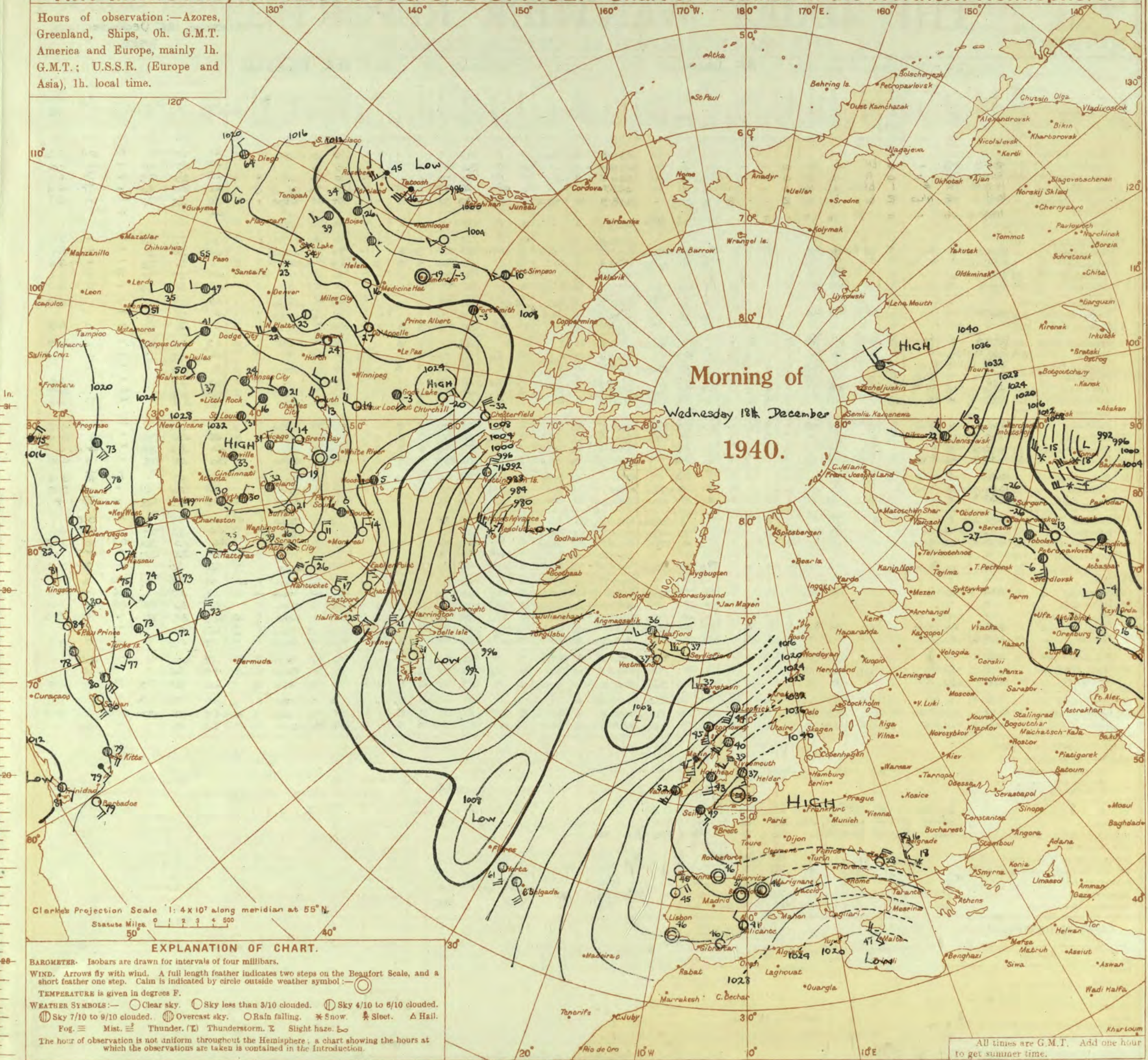
Forecasts issued at 10.30. G.M.T.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 18th December, 1940.
No. 23881.

OBSERVATIONS at 1 hr. G.M.T. 18th December.															OBSERVATIONS at 7 hr. G.M.T. 18th December.															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 17th. Hrs. (36)			
					Direc. (3)	Force. (4)					Form. (9)	Amount.		Height of Base. (feet) (14)	Form. (23)			Amount.						Height of Base. (feet) (28)	Max. Day 7th-18th °F. (31)	Min. Night 18th-7th °F. (32)	Min. on Grass °F. (33)	Day 7th-18th mm. (34)			Night 18th-7th mm. (35)								
												Low. (10)	Med. (11)					High (12)	Total 0-10 (13)													Low. (24)	Med. (25)	High (26)	Total 0-10 (27)				
1	London (Kew) ... 18	1041.0	+2	*	*	0	bF	30	97	0	*	*	*	*	1039.8	-8	SW	1	F	33	97	1	*	*	10	10	2150	1	*	44	29	20	Tr	0.1	3.5				
	Croydon ... 217	1041.0	-2	*	*	0	bF	30	97	0	*	*	*	*	1039.1	-12	*	0	F	30	97	1	*	*	0	0	-	1	*	42	27	26	-	-	1.0				
	S. Farnborough ... 226	1042.3	-2	*	*	0	F	30	97	0	*	*	*	*	1040.1	-8	3	1	F	30	97	1	*	*	10	10	2150	3	*	45	25	22	-	Tr	3.3				
	Boscombe Down ... 417	1041.8	-4	*	*	0	bF+	29	97	1	*	*	*	*	1039.7	-10	*	0	cF+	26	97	1	*	*	0	0	-	3	*	44	24	24	-	Tr	6.4				
	Calshot (Stmntn.) ... 8	1041.0	-6	NW	2	bF	35	97	2	-	-	8	0	2.3	1038.9	-10	NW	4	cF	33	97	3	5	-	0	0	-	1	*	46	25	27	-	-	6.1				
	Lympe ... 346	1041.4	-6	*	*	0	F	36	97	1	5	-	-	4.6	1039.5	-6	*	0	F	37	97	1	-	-	10	10	2150	1	*	44									
	Manston ... 154	1041.4	-6	*	*	0	F	36	97	1	5	-	-	4.6	1039.5	-6	*	0	F	37	97	1	-	-	10	10	2150	1	*	44									
2	Shoeburyness ... 11	1041.7	-2	NW	3	bC	36	97	1	5	-	-	2.3	2.3	2000	1039.4	-10	*	0	F	35	97	1	-	-	10	10	2150	1	*	45	33	25	-	-	5.9			
	Felixstowe ... 15	1041.7	-4	NW	2	F	36	92	1	-	-	-	10	10	2150	1039.2	-10	SW	2	cF+	37	97	3	5	-	0	0	-	1	1	46	34	31	-	-	5.1			
	Gorleston ... 5	1041.7	-4	NW	2	F	36	92	1	-	-	-	10	10	2150	1038.6	-16	SW	3	c	40	85	6	5	3	-	4.6	7.8	1500	1	2	47	31	28	-	-	5.6		
	Mildenhall ... 19	1041.8	-6	*	*	0	F	29	97	0	-	-	0	0	-	1039.0	-14	SW	1	bF	31	97	1	-	-	0	0	-	3	*	42	27	21	Tr	Tr	4.4			
	Cranwell ... 240	1041.8	-8	SW	3	bC	32	97	3	-	5	6	0	4.6	-	1037.4	-26	SW	2	cF	34	97	3	-	7	0	0	-	0	*	44	31	23	-	Tr	5.7			
3	Birmingham ... 535	1041.8	-4	*	*	0	bF+	29	97	1	-	-	0	0	-	1037.5	-18	SW	3	cF	33	97	3	5	-	0	0	4000	1	*	43	32	20	-	-	0.5			
	Upper Heyford ... 408	1041.8	-4	*	*	0	bF+	29	97	1	-	-	0	0	-	1038.5	-14	SE	2	F	28	97	1	-	-	10	10	2150	3	*	41	26	17	-	-	*			
4	Ross-on-Wye ... 223	1041.8	-4	*	*	0	bF+	29	97	1	-	-	0	0	-	1037.7	-12	*	0	cF	32	97	3	5	7	-	4.6	0	2500	1	*	41	24	21	-	-	5.7		
5	Hartland Point ... 299	1039.2	-6	SE	3	bC	40	85	8	-	4	6	1	4.6	5000	1036.4	-14	SW	4	c	43	85	7	5	-	0	0	2500	1	2	43	36	32	-	-	6.9			
	Bristol ... 209	1041.2	-10	*	*	0	m/f	31	97	4	-	3	1	0	2.3	-	1038.3	-14	SW	3	20	38	92	6	-	3	6	0	4.6	-	3	*	43	29	19	-	-	4.3	
	Portland Bill ... 32	1040.1	-6	NE	3	c	41	92	7	5	-	-	10	10	4000	1038.7	-10	SW	3	c	46	85	7	5	-	10	10	4000	1	3	51	38	*	-	-	*			
	Plymouth ... 82	1040.2	-6	ESE	1	20	36	85	5	-	1	-	0	4.6	-	1038.6	-6	SE	1	20	39	92	5	-	0	0	-	0	1	45	34	*	-	-	7.0				
	The Lizard ... 240	1038.4	-10	SE	4	c	48	85	7	8	2	-	7.8	0	2000	1037.2	-4	SW	2	c	49	97	7	5	2	-	7.8	0	2000	1	2	50	46	*	-	-	6.9		
	Scilly (St. Mary's) ... 163	1037.8	-4	SE	3	c	40	92	7	8	6	3	4.6	7.8	2200	1036.8	-6	SW	2	cF	50	97	5	5	-	10	10	500	1	2	50	44	*	-	Tr	6.4			
	Guernsey ... 175	1037.8	-4	SE	3	c	40	92	7	8	6	3	4.6	7.8	2200	1036.8	-6	SW	2	cF	50	97	5	5	-	10	10	500	1	2	50	44	*	-	Tr	6.4			
6	Pembroke ... 142	1038.5	-8	SE	5	c	46	85	7	8	6	-	4.6	7.8	3000	1034.5	-20	SW	6	cF	50	92	7	8	-	0	0	3000	1	3	40	44	*	-	-	4.3			
7	Holyhead ... 26	1036.5	-18	SW	5	c	43	75	8	5	-	-	10	10	4500	1031.9	-22	SW	5	cF	48	97	6	6	2	-	4.6	10	800	1	3	46	40	35	-	-	5.4		
	Chester (Sealand) ... 16	1038.5	-20	E/SE	1	bC	33	85	5	-	3	-	0	4.6	-	1034.3	-28	SE	3	c	37	85	6	5	7	-	4.6	10	2500	1	*	40	32	25	-	-	0.5		
8	Manchester ... 79	1039.5	-16	ESE	2	bC	34	85	3	-	3	-	0	4.6	-	1035.3	-28	SE	3	c/r	38	92	5	5	2	-	2.3	10	2000	1	*	34	25	22	-	-	0.0		
10	Spurn Head ... 29	1041.1	-4	SE	3	bC	37	92	6	-	4	-	0	2.3	-	1037.1	-16	SE	4	f+	37	92	2	5	-	10	10	800	0	3	41	37	*	Tr	Tr	5.4			
	Catterick ... 175	1033.7	-18	SW	1	F	31	97	0	-	-	-	10	10	2150	1033.1	-38	SE	3	m/f	34	92	4	5	-	10	10	300	0	*	43	30	29	-	-	5.2			
	Tynemouth ... 108	1037.7	-18	SW	3	m	30	85	4	5	-	-	0	0	1800	1030.6	-36	SW	5	c/r	38	75	2	5	-	10	10	1800	1	3	45	35	32	-	Tr	*			
11	St. Abbs Head ... 280	1034.2	-20	SW	5	c	39	85	7	5	2	-	7.8	10	2500	1024.5	-54	SW	8	c/r	38	92	6	5	2	-	7.8	10	2500	1	4	41	38	*	-	0.2			
	Leuchars ... 36	1034.4	-22	SW	1	20	38	92	6	5	2	-	4.6	10	4000	1024.5	-54	SW	3	c/r	40	92	6	5	2	-	10	10	1800	1	*	44	36	29	-	-	3.1		
12	Rentrew (Abbots L.) ... 19	1033.5	-24	SW	2	20	43	75	6	5	2	-	2.3	10	2500	1023.7	-46	SW	5	c/r	40	85	5	5	2	-	9	10	1800	1	*	46	40	35	-	-	3.8		
	Eskdalemuir ... 794	1033.5	-24	SW	2	20	43	75	6	5	2	-	2.3	10	2500	1023.7	-46	SW	5	c/r	40	85	5	5	2	-	9	10	1800	1	*	46	40	35	-	-	3.8		
	Point of Ayre ... 30	1036.1	-20	SW	4	c	44	65	8	5	2	-	7.8	10	4000	1023.6	-48	SW	6	c/r	40	92	5	5	2	-	10	10	1500	1	3	40	34	32	-	-	1.6		
13a	Tiree ... 22	1036.1	-20	SW	4	c	44	65	8	5	2	-	7.8	10	4000	1023.6	-48	SW	6	c/r	40	92	5	5	2	-	10	10	1500	1	3	40	34	32	-	-	5.6		
13b	Stornoway ... 80	1023.5	-24	SW	7	c	45	85	7	5	-	-	9	9	1200	1018.5	-20	SW	5	c	45	92	7	5	7	-	9	10	1200	1	3	48	4						

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 19th December, 1940.

No. 23,882

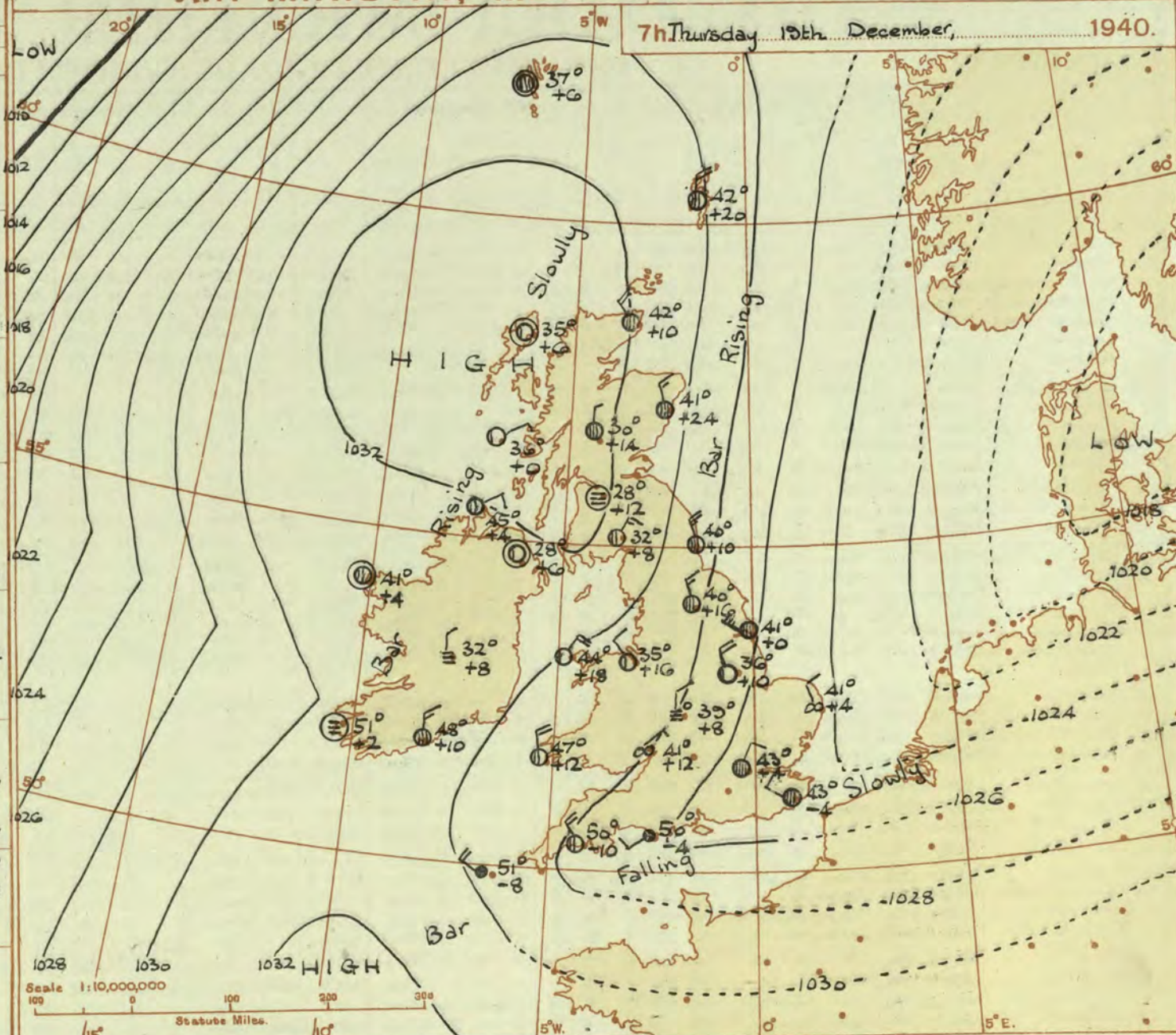
OBSERVATIONS at 13h. G.M.T. 18th December														OBSERVATIONS at 18h. G.M.T. 18th December														PAST 24 HOURS.																	
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.															
				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)	7h.—18h. 18th.... (37)						18h.—18h. 18th.... (38)					18h.—18h. 18th.... (39)					1h.—7h. 18th.... (40)					
																								Low. (11)	Med. (12)	High. (13)	Low. (25)			Med. (26)	High. (27)	Low. (37)	Med. (38)	High. (39)	Low. (40)	Med. (41)	High. (42)								
1	London (Kew)...	1036.2	-24	SW	1	cf	38	97	2	7	1	3	2	4000	1033.6	-14	WSW	2	z	42	92	6	5	-	-	10	10	2500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	Croydon	1035.8	-30	S	2	N	43	75	5	5	4	2-3	7-8	4000	1032.4	-24	SW	3	z	41	92	6	5	1	-	4-6	10	3000	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	S. Farnborough	1036.5	-28	SSW	3	N	42	85	5	5	3	-	7-8	2000	1033.7	-10	SWW	4	z	43	85	6	5	3	-	7-8	10	1300	*	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	Boscombe Down	1036.4	-24	S	3	N	40	92	5	5	1	-	3	4500	1033.4	-16	SSW	4	o/d	44	97	5	5	-	-	10	10	600	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	Calshot (Soton.)	1037.0	-18	SSW	4	N	44	92	7	5	7	8	4-6	3500	1034.4	-14	SWW	3	z	45	92	6	5	7	-	3	10	1800	1	2	offecp	cf	ir	cm	cd	cg	sc	cm							
	Lympne	1037.5	-16	-	0	N	41	97	6	5	7	-	3	3200	1034.8	-8	SW	2	z	40	83	5	5	-	-	3	10	2500	1	2	offecp	cf	ir	cm	cd	cg	sc	cm							
	Manston	1036.9	-24	SW	5	N	43	92	5	5	7	4	0	4-6	1033.6	-18	SW	3	z	41	85	6	5	7	-	7-8	10	3500	*	*	offecp	cf	ir	cm	cd	cg	sc	cm							
2	Shoeburyness ...	1036.4	-28	SSW	1	cf	39	97	3	5	7	1	2-3	7-8	1500	1032.8	-22	SW	4	z	43	85	6	5	-	-	10	10	2500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm						
	Felixstowe	1036.2	-30	SW	3	N	42	85	5	5	3	-	7-8	2500	1032.2	-22	SW	4	z	42	85	5	5	-	-	10	10	3000	1	3	offecp	cf	ir	cm	cd	cg	sc	cm							
	Gorleston	1034.4	-20	SW	3	N	42	85	6	5	7	-	7-8	2500	1030.7	-22	SW	4	z	42	85	5	5	-	-	10	10	2500	1	2	offecp	cf	ir	cm	cd	cg	sc	cm							
	Mildenhall	1034.3	-38	SSW	4	N	41	85	6	5	7	-	4-6	1000	1030.8	-18	SW	3	z	43	85	5	5	2	-	3	10	1800	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	Cranwell	1032.5	-32	SW	5	N	42	85	6	5	7	-	4-6	1000	1029.0	-14	WSW	5	z	44	85	5	5	-	-	10	10	2500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
3	Birmingham	1033.2	-14	SW	3	C	41	85	6	5	-	-	10	10	5700	1030.2	-8	SSW	3	o	43	92	6	5	-	-	10	10	800	1	*	offecp	cf	ir	cm	cd	cg	sc	cm						
	Upper Heyford	1035.4	-26	SW	3	C	37	97	4	5	7	-	7-8	1300	1032.6	-18	SSW	3	o	41	92	5	6	2	-	7-8	10	400	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
4	Ross-on-Wye ...	1033.9	-30	SW	3	N	43	85	6	5	2	-	3	10	1500	1030.8	-14	SW	3	id	47	97	6	5	-	9	10	1500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
5	Hartland Point	1034.2	-14	SSW	4	C	50	85	7	5	-	-	3	3000	1031.7	-10	WSW	5	o	49	97	8	5	2	-	3	10	1000	1	3	offecp	cf	ir	cm	cd	cg	sc	cm							
	Bristol ...	1035.6	-22	SSW	3	C	46	85	7	5	7	-	3	4500	1032.3	-6	WSW	4	o	47	97	5	6	-	-	10	10	1000	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
	Portland Bill ...	1036.5	-10	SW	4	C	48	85	6	5	4	-	7-8	10	4000	1033.6	-20	S	4	o	47	97	5	6	-	-	10	10	2500	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
	Plymouth ...	1036.1	-20	S	2	id	49	92	6	5	2	-	7-8	10	800	1034.4	-10	SW	3	o	50	97	6	6	-	-	10	10	500	1	2	offecp	cf	ir	cm	cd	cg	sc	cm						
	The Lizard ...	1036.5	-10	SW	3	C	51	97	8	5	-	-	10	10	600	1034.4	-10	WSW	4	pr	50	97	7	5	2	-	7-8	10	2000	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
	Scilly (St. Mary's)	1036.0	-6	SW	4	C	51	97	7	5	2	-	7-8	300	1034.2	-8	WSW	4	pr	50	97	7	5	2	-	7-8	10	1000	1	2	offecp	cf	ir	cm	cd	cg	sc	cm							
	Guernsey ...																																												
6	Pembroke ...	1033.2	-12	SW	6	cf	51	97	2	-	-	-	10	10	450	1030.9	-18	WSW	6	o	51	97	7	8	-	-	9	10	2000	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
7	Holyhead ...	1029.3	-18	SW	5	cf	52	85	8	5	-	-	3	3200	1026.8	-10	SW	5	rr	50	97	5	-	2	-	10	10	900	1	2	offecp	cf	ir	cm	cd	cg	sc	cm							
	Chester (Sealand)	1030.1	-26	SW	2	id	48	85	6	5	3	-	7-8	2000	1027.2	-16	SW	3	o	52	75	7	5	2	-	4-6	10	400	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
8	Manchester ...	1029.8	-26	SW	4	z	43	85	5	5	7	-	4-6	2500	1026.6	-18	SW	4	z	51	85	6	5	-	-	3	10	2500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
10	Spurn Head ...	1030.3	-28	S	4	o	39	92	6	5	-	-	10	10	1500	1026.3	-20	SSW	4	o	44	85	7	5	-	-	10	10	1500	0	3	offecp	cf	ir	cm	cd	cg	sc	cm						
	Catterick ...	1027.3	-26	SSW	3	o	43	85	4	5	2	-	3	10	1500	1024.1	-14	WN	4	o	50	85	6	5	2	-	7-8	10	1500	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
	Tynemouth ...	1025.3	-28	SW	4	z	46	85	6	5	-	-	3	10	1300	1023.6	-2	W	3	ir	50	92	5	-	2	-	10	10	800	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
11	St. Abbs Head	1020.7	-4	SW	6	cf	48	92	8	8	2	-	4-6	10	2500	1022.8	+18	N	5	o	45	97	7	5	2	-	7-8	10	2000	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
	Leuchars ...	1020.3	-6	WSW	4	id	50	92	6	5	7	-	7-8	10	1500	1024.0	+34	NW	3	br	42	75	8	5	-	-	2-3	2500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm							
12	Renfrew (Abbots L.)	1022.5	-10	WSW	3	rr	49	97	6	5	2	-	4-6	10	1000	1024.8	+22	NW	3	z	43	92	6	5	7	-	1	4-6	1800	1	*	offecp	cf	ir	cm	cd	cg	sc	cm						
	Eskdalemuir ...	1022.8	-20	W	6	RR	47	97	6	-	2	-	10	10	220	1023.5	+8	NNW	1	c	46	85	7	5	-	-	10	10	800	2	*	offecp	cf	ir	cm	cd	cg	sc	cm						
	Point of Ayre ...	1025.6	-16	W	6	C	51	92	8	8	2	-	2-3	10	1500	1024.2	-2	W	5	rr	50	97	7	-	2	-	10	10	2500	1	3	offecp	cf	ir	cm	cd	cg	sc	cm						
13A	Tiree ...	1022.6	+4	N	4	C	46	85	8	5	-	-	3	10	1800	1026.0	+14	N	4	b	46	75	8	1	-	-	1	1	3500	0	3	offecp	cf	ir	cm	cd	cg	sc	cm						
13B	Stornoway ...	1009.9	+14	WNW	4	b	45	75	7	5	-	-	1	1	1700	1025.1	+24	N	4	b	42	97	7	5	-	8	Tr	Tr	3500	1	2	offecp	cf	ir	cm	cd	cg	sc	cm						
15	Dalwhinnie ...	1022.3	+4	W	2	id	43	85	7	5	2	-	4-6	10	1500	*	+24	NW	1	bc	35	85	7	5	-	-	4-6	4-6	1500	1	*	offecp	cf	ir	cm	cd	cg	sc	cm						
	Aberdeen ...	1018.7	+2	WN	2	id	48	85	6	5	7	-	1	3	1500	1023.3	+20	NW	3	b	41	75	6	5	-	-	Tr	Tr	4000	1	2	offecp	cf	ir	cm	cd	cg	sc	cm						
	Wick ...	1018.4	+10	WNW	4	o	42	92	8	5																																			

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 18th December 18h. G.M.T.				01h. G.M.T. 19th December 07h. G.M.T.				
III C _M	wwVhN _H	DDFWN	C _L C _M	wwVhN _H	DDFWN	C _L C _M	wwVhN _H	DDFWN
109 8-	22744	26564	8-	25744	28584	50	01874	28604
115 87	14854	57565	52	81844	26587	87	02954	32385
203						1-	01954	06314
206 52	62855	23267	80	25845	26284	54	00861	28112
2105-	62747	61467	5-	02858	25468	8-	02866	63486
220			04	01790	30202			01 01890
230 62	64787	26408	00	00990	30160	00	00890	12200
245 54	05643	23357	52	00761	28322	10	00951	63401
260 52	54526	20408	52	05655	26368	00	05690	00010
277 52	58637	21588	62	62637	24268	--	05690	32260
279			62	64526	19468	00	05690	04100
285 5-	61488	24328						80 01745
288 02	51458	18568	52	64545	19368	50	05681	29261
273 46	66544	22368						5- 05557
301 57	05656	20457	02	64648	22468			00 00890
3215-	05500	20445	57	08465	20428	52	62555	99468
299 5-	08448	21568	5-	61438	22568	57	22644	22668
292 52	51456	16148	52	52445	20458	57	02755	02268
310 --	46205	20448	--	05548	20448			-- 01523
316 53	61455	18447	5-	02548	20428	5-	05576	29258
333 5-	02658	22568	52	51745	55657			50 01852
334								04112
340 5-	05647	17447	5-	02767	55427			03 05690
136 52	05641	20448	5-	05568	19478	62	62626	21568
336 52	51645	20458	62	58644	24658			40 01861
350 52	05675	16448						53 02754
368								32315
379 5-	41638	26248				6-	62528	20468
390 03	43290	16346	5-	41458	18448	5-	67338	19268
382 53	05654	19247	5-	61448	20358	52	62546	22368
488 5-	02858	22228						5-
430 53	05664	20225	53	05654	22114	5-	05637	22258
409 5-	05618	16368	5-	21638	20558	5-	05648	20558
						5-		05618

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, 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



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DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th December.

1 S.E. England	Wind becoming northeast, light to moderate, probably fresh locally on the coast; fair or fine inland, but cloud increasing by to-morrow: local showers near the East coast: becoming rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind northerly, light to moderate, veering northeast; mainly fine, average day temperature; frost locally at night.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 11-13b.
9 N. Midlands ...	
10 N.E. England	As 1-3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light variable wind, finally southeast; mainly fine, fog developing in places to-night, persisting locally tomorrow; average day temperature, sharp frost at night.
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	Wind variable, light; fair or fine, rather cold: frost at night.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 20
18 N. E. Ireland	As 11-13b.
19 S. E. Ireland	
20 S. W. Ireland	Wind light, southerly; mainly fair, average temperature.

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

GENERAL INFERENCE.

An anticyclone centred over Northwest Scotland is likely to move eastwards. The high pressure belt on the Continent will continue to give way as a depression over the Kattegat moves south-southeast. Weather will be fair or fine in many districts with frost and some local fog at night, but there will be local showers near the East coast.

FURTHER OUTLOOK.

Cloudy in the Southeastern half of the British Isles. Mainly fine with night frost in the Northwest.

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

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
Thursday 19th December
1940.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded.

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

OBSERVATIONS at 1 hr. G.M.T. 19th December														OBSERVATIONS at 7 hr. G.M.T. 19th December														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.							
																																	0-12	0-10	0-10	0-10	0-10	0-9
1	London (Kew) ... 18	1027.7	-28	SW	3	4	47	87	4	2	2	10	10	800	1026.5	+10	NNE	3	2	44	85	6	5	2	2	10	10	2500	1	2	42	42	35	1	3	0.0	0.0	
	Croydon ... 217	1027.7	-28	SW	3	4	47	87	4	2	2	10	10	800	1026.7	+4	NNE	2	2	43	85	5	5	2	2	10	10	1600	1	2	44	41	35	1	3	1.9	1.9	
	S. Farnborough ... 226	1028.0	-30	WSW	4	4	47	87	6	5	2	10	10	1000	1026.5	+10	NNE	3	3	44	85	6	5	2	2	10	10	1600	1	2	44	43	35	1	3	1.2	1.2	
	Boscombe Down ... 417	1028.5	-26	WSW	3	3	47	85	7	5	2	10	10	2000	1026.7	+6	NNE	4	3	45	87	7	5	2	2	10	10	1000	1	2	44	43	35	1	3	0.5	0.5	
	Calshot (Stamtn.) ... 8	1028.6	-26	WS	3	3	48	87	7	5	2	10	10	4500	1025.6	-6	NNE	4	3	45	87	6	5	2	2	10	10	1800	1	2	43	40	37	1	3	0.1	0.1	
	Lympe ... 346	1028.1	-38	SW	3	3	44	87	5	5	2	10	10	1000	1024.8	-4	NNE	3	3	45	87	6	5	2	2	10	10	1500	1	2	43	40	37	1	3	0.0	0.0	
	Manston ... 154	1027.7	-34	SW	4	4	44	87	6	5	2	10	10	800	1024.6	+2	NNE	3	3	45	87	6	5	2	2	10	10	1000	1	2	43	40	37	1	3	0.0	0.0	
2	Shoeburyness ... 11	1025.8	-32	SWW	4	4	43	87	5	5	2	10	10	600	1025.8	+2	NNE	3	3	45	87	6	5	2	2	10	10	1500	1	2	44	41	38	1	3	0.7	0.7	
	Felixstowe ... 15	1026.1	-30	WSW	3	3	44	87	6	5	2	10	10	1500	1024.4	+4	NNE	3	3	41	85	6	5	2	2	10	10	2500	1	2	44	40	36	1	3	0.5	0.5	
	Gorleston ... 5	1026.1	-30	WSW	3	3	44	87	6	5	2	10	10	1500	1024.4	+4	NNE	3	3	41	85	6	5	2	2	10	10	2500	1	2	43	38	32	1	3	1.0	1.0	
	Mildenhall ... 19	1025.6	-24	SWW	4	4	47	87	6	5	2	10	10	1500	1025.8	+8	NNE	3	3	45	87	7	5	2	2	10	10	1500	1	2	45	35	32	1	3	0.0	0.0	
	Cranwell ... 240	1025.6	-6	WNW	4	4	46	87	3	5	2	10	10	900	1027.6	+10	NNE	4	4	46	86	7	5	2	2	10	10	1500	1	2	45	35	32	1	3	0.0	0.0	
3	Birmingham ... 535	1027.1	-20	WSW	2	2	47	87	6	5	2	10	10	700	1027.8	+18	NNE	2	2	41	85	8	5	2	2	10	10	2500	1	2	43	38	32	1	3	0.0	0.0	
	Upper Heyford ... 408	1027.1	-20	WSW	2	2	47	87	6	5	2	10	10	700	1027.8	+18	NNE	2	2	41	85	8	5	2	2	10	10	2500	1	2	41	40	35	1	3	0.0	0.0	
4	Ross-on-Wye ... 223	1027.1	-20	WSW	2	2	47	87	6	5	2	10	10	700	1027.8	+18	NNE	2	2	41	85	8	5	2	2	10	10	2500	1	2	47	41	35	1	3	0.0	0.0	
5	Hartland Point ... 299	1027.6	-18	WSW	5	5	48	87	7	6	2	10	10	800	1028.0	+6	NNE	4	4	48	87	8	6	2	2	10	10	800	1	2	50	48	41	1	3	0.0	0.0	
	Bristol ... 209	1028.0	-26	WSW	4	4	48	87	5	6	2	10	10	800	1027.6	+8	NNE	3	3	45	87	4	5	2	2	10	10	1000	1	2	47	45	43	1	3	0.1	0.1	
	Portland Bill ... 32	1028.6	-20	SW	4	4	50	87	7	5	2	10	10	2500	1025.3	-4	SW	2	2	50	87	7	5	2	2	10	10	2500	1	2	49	41	38	1	3	0.0	0.0	
	Plymouth ... 82	1030.8	-20	SWW	4	4	49	87	6	5	2	10	10	1400	1027.6	-10	NNE	4	4	50	87	7	5	2	2	10	10	1200	1	2	51	48	47	1	3	0.0	0.0	
	The Lizard ... 240	1031.6	-16	WS	5	5	49	87	7	5	2	10	10	1500	1028.0	-10	NNE	4	4	51	87	8	6	2	2	10	10	1000	1	2	51	49	49	1	3	0.0	0.0	
	Scilly (St. Mary's) ... 163	1031.3	-14	WS	5	5	50	87	8	5	2	10	10	1500	1028.0	-10	NNE	4	4	51	87	8	6	2	2	10	10	800	1	2	53	49	49	1	3	0.0	0.0	
	Guernsey ... 175	1027.4	-14	WNW	6	6	51	87	7	8	2	10	10	2000	1029.3	+12	NNE	4	4	47	85	7	8	2	2	10	10	2500	1	2	51	46	46	1	3	0.0	0.0	
6	Pembroke ... 142	1027.4	-14	WNW	6	6	51	87	7	8	2	10	10	2000	1029.3	+12	NNE	4	4	47	85	7	8	2	2	10	10	2500	1	2	51	46	46	1	3	0.0	0.0	
7	Holyhead ... 26	1026.3	+12	NW	4	4	48	87	8	5	3	10	10	3500	1029.3	+18	NNE	4	4	45	87	8	5	3	10	10	3500	1	2	52	42	36	1	3	0.0	0.0		
	Chester (Sealand) ... 16	1025.8	-2	WNW	3	3	48	87	6	5	2	10	10	2500	1029.7	+16	NNE	2	2	45	87	6	5	2	2	10	10	2500	1	2	53	35	28	1	3	0.0	0.0	
8	Manchester ... 70	1025.9	+4	NNE	4	4	48	87	5	5	2	10	10	1500	1029.6	+20	NNE	1	1	45	85	7	5	2	2	10	10	2500	1	2	51	33	22	1	3	0.0	0.0	
10	Spurn Head ... 29	1024.2	-10	NW	3	3	48	87	7	5	2	10	10	2500	1025.3	+10	NNE	5	5	41	85	7	8	2	2	10	10	4000	0	3	44	35	33	1	3	0.0	0.0	
	Catterick ... 175	1027.4	+16	NW	4	4	40	75	8	4	2	10	10	1	1	1029.0	+16	NNE	5	5	40	75	7	8	2	2	10	10	2500	1	3	50	36	33	1	3	0.0	0.0
	Tynemouth ... 108	1026.6	+14	NW	4	4	41	75	7	3	2	10	10	2.8	2.8	1028.4	+10	NNE	5	5	40	75	7	8	2	2	10	10	2500	1	3	50	40	30	1	3	0.0	0.0
11	St. Abbs Head ... 280	1026.7	+10	NNW	5	5	48	75	8	2	4	10	10	2500	1028.0	+8	NNE	6	6	42	85	8	4	4	10	10	2500	0	3	50	41	30	1	3	0.0	0.0		
	Leuchars ... 36	1028.3	+14	N	1	1	39	75	8	1	0	0	0	0	0	1031.1	+14	NNE	2	2	37	70	8	5	4	10	10	4000	3	3	50	33	22	1	3	0.0	0.0	
12	Renfrew (Abbots I.) ... 19	1030.2	+18	NNW	8	8	39	85	7	3	1	0	0	0	0	1032.3	+12	NNE	0	0	38	82	8	5	4	10	10	4000	3	3	50	33	28	1	3	0.0	0.0	
	Eskdalemuir ... 794	1031.2	+18	NNW	8	8	39	85	7	3	1	0	0	0	0	1031.8	+8	NNE	3	3	37	75	8	5	4	10	10	2500	3	3	48	30	23	1	3	0.0	0.0	
	Point of Ayre ... 30	1027.7	+26	ENE	5	5	44	65	8	5	1	1	1	1	1	1031.2	+12	NNE	3	3	41	75	8	5	4	10												

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Friday 20th December 1940.
 No. 28883

OBSERVATIONS at 13h. G.M.T. 19th December.

OBSERVATIONS at 18h. G.M.T. 19th December.

PAST 24 HOURS.

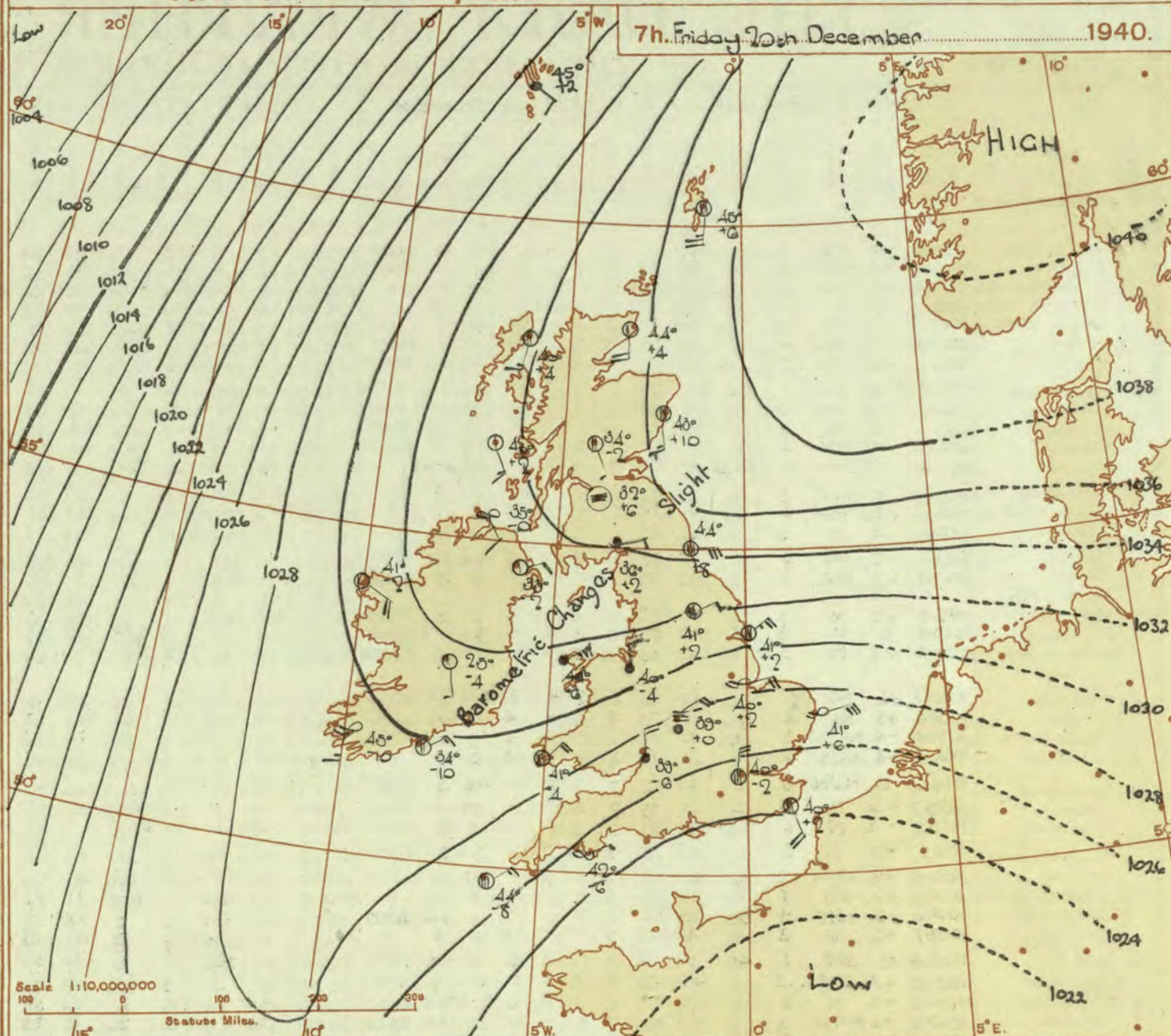
OBSERVATIONS AT 10h. C.M.T. 15th December.																														FAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. (6)	Humid. (7)	Visib. (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. (20)	Humid. (21)	Visib. (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.							
				Dir.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Dir.			Force.	Form.					Amount.	Height of Base. (feet) (28)	7h.—18h. 19h.... (37)	18h.—19h. 19h.... (38)			19h.—to 20h.... (39)	20h.— 20h.... (40)						
																														Low.	Med.	High.	Low.	Med.	High.
1	London (Kew)...	1027.0	-4	NW	3	z	43	65	6	1	-	Tr	Tr	2500	1025.9	-2	N	3	ir	42	85	5	5	-	-	10	10	1500	1	*	ocbmzo	b,cir,rsm	cr,cir,cu	emo	
	Croydon ...	1026.6	+4	NNW	3	z	43	65	5	1	-	1	1	2000	1025.1	-6	NNW	4	pr	41	92	4	-	2	-	10	10	1200	1	*	cbmno	oc,rsm	rc,cu	emo	
	S. Farnborough	1027.4	-6	NW	4	z	43	65	6	-	-	0	0	-	1026.4	-2	NNW	4	pr	41	75	6	8	2	-	46	9+	2000	1	*	emobzo	b,cprzo	ed,domo	moide	
	Boscombe Down	1028.7	0	NW	4	z	42	65	7	-	-	0	Tr	-	1027.7	-8	NNW	4	m	39	75	4	5	-	5+	5+	2000	1	*	b	bm,cmo	cm,rsm	cir,mo		
	Calshot (Soton.)	1027.4	+2	NE	4	z	44	75	6	1	-	Tr	Tr	2000	1026.7	-2	NW	4	z	43	75	6	5	7	-	5	5+	3000	1	2	id,mbz	b,cz	cz,ad,mo	bm,cu	
	Lympe ...	1027.4	-10	NNW	4	b	42	75	7	5	7	Tr	1	1500	1022.6	-8	NNW	4	pr	41	92	5	-	2	-	10	10	700	1	5	id,mbz	bm,cu	cm,rsm	cm,c	
	Manston ...	1024.1	-16	NW	5	bc	41	75	7	5	7	4	46	46	3000	1022.2	-4	NNW	6	pr	41	92	6	5	-	9+	9+	800	1	5	bm,cb	oc,ad,mo	oc,ad,mo	emo	
2	Shoeburyness ...	1025.1	-16	NW	3	bc	43	75	6	7	3	-	4-6	4-6	4000	1023.7	-4	NNW	4	pr	42	85	6	8	-	10	10	2500	1	*	pr,cbm	bm,oc	pr,mo	cm,rsm	
	Felixstowe ...	1023.6	-16	NW	6	ir	41	85	7	5	-	9+	9+	1500	1022.6	0	N	5	pr	43	75	6	5	-	7.8	7.8	3000	1	3	bm,pr	oc,ad,mo	oc,ad,mo	emo		
	Gorleston ...	1022.3	-18	NW	5	r,r	43	32	6	6	-	10	10	1500	1022.4	+4	NNE	6	ir	43	85	6	6	-	10	10	1200	1	4	coro	oc,rsm	cr,cu	emo		
	Mildenhall ...	1025.1	-10	NW	5	c	41	85	7	5	-	10	10	3000	1025.2	+6	N	5	ir	43	85	6	5	-	10	10	1900	1	4	oc,mo	oc,rsm	cr,cu	emo		
	Cranwell ...	1027.4	-10	NNW	6	bcjp	41	85	7	8	-	4-6	4-6	1800	1027.7	+6	N'E	5	o/a	42	85	5	5	-	10	10	1000	1	*	b,czbcjp	pr,ad,mo	oc,ad,mo	ed,domo		
3	Birmingham	1029.3	0	NNW	3	z	39	75	5	-	-	0	0	-	1029.2	-2	NNW	4	c	37	85	5	5	-	9+	9+	2500	1	*	bm	b,c	c	emo		
	Upper Heyford	1028.4	-2	NNW	3	z	41	75	6	-	-	0	0	-	1027.3	-6	NNW	4	z	35	85	5	5	-	0	0	-	1	1	1	1	1	1	1	1
4	Ross-on-Wye ...	1029.4	-4	N	2	z	42	65	6	-	-	1	0	Tr	1029.1	0	NNW	4	z	35	75	5	5	-	9+	9+	1500	1	*	bm,cbz	oc,ad,mo	pr,ad,mo	ed,domo		
5	Hartland Point	1029.1	-2	NE	3	c	47	92	8	8	-	5	4-6	7-8	1500	1023.3	0	SSE	3	bc	43	75	8	5	-	4-6	4-6	2500	1	3	cbcc	cbcc	bc	emo	
	Bristol ...	1029.3	-2	NNE	3	z	42	85	6	1	-	3	3	2200	1023.3	0	NNW	2	m	37	75	4	5	-	2-3	2-3	4000	1	3	em,br	c,bbcm	cm,mo	emo		
	Portland Bill ...	1029.3	-2	NNE	3	z	42	85	6	1	-	3	3	2200	1027.2	+8	N	2	c	41	92	7	5	-	7-8	7-8	4000	1	2	c	c	c	emo		
	Plymouth ...	1028.9	+2	N	3	c	49	85	8	4	-	5	5	2000	1029.5	+8	NNE	1	z	43	75	6	-	2	0	2-3	-	1	1	bee	cbcm	bm,cu	emo		
	The Lizard ...	1029.4	0	N	3	c	47	92	8	8	6	-	7-8	7-8	1500	1029.4	+4	NE	3	bc	42	97	8	8	-	4-6	4-6	3500	1	2	c	cbcm	bm,cu	emo	
	Scoily (St. Mary's)	1030.4	-2	N	3	c	49	75	8	5	-	10	10	2000	1030.0	+2	N	3	c	47	85	8	5	-	9+	9+	800	1	2	cid,c	c	c	emo		
	Guernsey ...	1030.4	-2	N	3	c	49	75	8	5	-	10	10	2000	1030.0	+2	N	3	c	47	85	8	5	-	9+	9+	800	1	2	cid,c	c	c	emo		
6	Pembroke ...	1030.7	+6	NE	2	bc	47	75	8	2	-	2	2-3	4-6	4000	1031.0	+4	NEN	3	bc	40	75	8	7	7	-	2-3	2-3	4000	0	2	bc	bc	bc	emo
7	Holyhead ...	1031.4	+2	NE	2	bc	44	75	8	5	-	4	4-6	3500	1031.3	-6	NNE	4	bc	42	85	7	5	-	Tr	Tr	4000	1	3	b,cbc	bc	bc	emo		
	Chester (Sealand)	1030.9	-4	NW	2	bc	39	75	6	-	3	1	0	2-3	-	1031.0	-2	NW	3	bc	40	85	6	5	-	4-6	4-6	2500	1	*	bm,cbz	cbz	cbz	emo	
8	Manchester ...	1030.4	-4	NW	4	m	39	75	4	-	4	5	0	1	-	1030.6	+2	N	3	m	36	82	4	5	-	4-6	4-6	2500	1	*	bm,cbz	cbz	cbz	emo	
10	Spurn Head ...	1024.6	0	NW	6	c	44	92	7	5	-	4-6	5	1500	1026.4	+10	NE	6	cq	43	97	7	2	-	10	10	1500	0	4	c	cq	cq	emo		
	Catterick ...	1029.7	-6	N	3	c	42	75	7	5	-	9+	9+	4000	1030.8	+8	N	3	c	41	92	6	5	-	9+	9+	2500	1	3	cbc	cm,pr	cm,pr	emo		
	Tynemouth ...	1029.5	-2	N	6	pr	43	92	6	9	-	9	9	1200	1030.5	+12	N	5	pr	45	85	6	8	-	9+	9+	1500	1	3	cp	cp	cp	emo		
11	St. Abbs Head	1031.2	+10	N	6	cq	42	75	8	5	7	-	7-8	10	2500	1032.3	+10	N	5	id	42	92	7	3	2	-	7-8	10	2500	1	3	cq	id,c	c	emo
	Leuchars ...	1032.9	+6	WNW	2	c	40	75	8	5	7	-	7-8	10	3500	1033.6	+4	NNW	2	z	42	75	6	5	7	-	3	10	4000	1	*	bc	cm	cm	emo
12	Renfrew (Abbots I.)	1034.1	+6	WS	1	f	30	92	3	-	3	0	7-8	-	-	1034.0	0	SSW	1	bcf	31	85	2	-	2	0	46	-	3	bc,cbf	cbf	cbf	emo		
	Eskdalemuir ...	1031.6	-2	NNE	3	bc	39	75	7	5	-	2	1	4-6	4000	1032.6	+6	NNE	3	c	38	75	7	5	-	7-8	7-8	1500	1	*	bc,cb	cb	cb	emo	
	Point of Ayre ...	1032.7	+2	NE	3	c	43	75	8	-	4	0	5	-	-	1032.5	0	ENE	4	b	41	85	7	-	2	0	1	-	0	3	c	bc	bc	emo	
13A	Tiree ...	1032.4	0	SEE	1	bc	42	85	9	1	3	6	Tr	4-6	3500	1032.8	0	SSE	1	b	34	97	5	-	2	0	1	-	0	1	bc	bc	bc	emo	
13B	Stornoway ...	1033.5	+4	ESE	3	c	43	75	8	5	3	-	4-6	5	2500	1032.8	0	S	3	bc	42	75	8	5	-	4-6	4-6	3500	1	2	bc	bc	bc	emo	
15	Dalwhinnie ...	1034.0	+2	N	1	c	35	75	8	2	4	-	2-3	7-8	2500	1034.0	+2	-	0	24	85	8	4	-	1	1	2500	3	*	c	c	c	emo		
	Aberdeen ...	1032.4	+6	NNW	3	c	42	75	7	5	-	9+	9+	2500	1034.2	+10	NW	2	z	41	85	6	5	-	10	10	3000	1	1	c	c	c	emo		
	Wick ...	1033.0	0	WNW	2	c	41	75	8	5	7	-	7-8	9	1500	1034.1	+2	N	1	c	35	92	6	5	7	-	7-8	9+	2500	1	1	c	cm	cm	emo
16	Lerwick ...	1033.2	+10	NE	4	c	42	75	8	5	7	-	7-8	9	1500	1034.9	+6	NE	2	c	35	85	8	5	7	-	4-6	7-8	1500	1	*	c	c	c	emo
17	Blacksod Point...	1031.7	+4	-	0	bc	48	85	8	-	5	-	0	4-6	-	1031.3	+6	NE	2	c	45	92	8	-	7	-	0	5	-	0	2	bc	c	c	emo
18	Malin Head ...	1032.8	+2	S	1	c	42	85	8	4	7	1	2-3	7-8	5700	1033.3	0	S	1	b	35	75	8	-	-	0	0	-	0	2	bc	bc	bc	emo	
	Aldergrove ...	1033.7	+12	-	0	bc	39	92	7	-	2	0	2-3	-	-	1033.9	+4	ESE	1	F	30	97	1	-	-	0	0	-	1	*	bc,cb	bc,cb	bc,cb	emo	
19	Birr Castle ...	1032.7	0																																

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th December 18h. G.M.T.				01h. G.M.T. 20th December 07h. G.M.T.			
III C _M	wwVhN _H	DDFWN	C _M	wwVhN _H	DDFWN	C _M	wwVhN _H
109	53	02965	24115	03	02950	20113	50
115	52	02954	12225	52	02954	12225	73
203	5-	01964	12314				5-
206	53	02864	30220	50	00863	28123	50
210	51	02864	32125	5-	02867	22127	52
220	03	01950	09303	04	01850	16301	
230	03	02950	08116	03	01790	00013	00
245	73	02965	31426	5-	02957	20327	5-
260	5-	08477	00017	50	08474	00024	5-
277	00	02950	29227	04	01790	28214	03
279	54	02756	29227	03	05690	02125	
285	23	02745	26486	3-	81637	24387	
288	8-	81437	31387	8-	25546	02386	53
273	16	00761	13202				
301	04	05690	32326	50	08463	28323	53
321	57	01765	20525	8-	25657	31487	52
299	50	01743	30613	5-	05648	01628	5-
292	57	15647	30418	8-	81547	30387	53
310	--	01643	04534				--
316	5-	05555	63415	8-	81545	68485	5-
333	00	17950	30125	00	00850	00430	5-
334							
340	5-	05590	28302	5-	05667	30317	5-
356	86	25646	30587				
336	10	01753	04413	50	01764	04414	
350	53	05662	30302				
368							
379	00	05690	04400	00	05590	32400	6-
390	5-	05665	28415	6-	22538	63668	5-
382	00	05690	30401	5-	41454	30424	5-
438	50	01643	02403				
430	10	05651	31401	50	22544	30364	20
409	52	02846	30357	50	01752	01324	04

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_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).

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 large anticyclone over South Scandinavia is spreading southeast. Cold east winds will spread across England giving slight snow locally. In North and West Scotland weather will be fair with frost at night. Day temperatures will fall to near the freezing point in Southern districts and frost will be rather widespread at night.

FURTHER OUTLOOK.

Continuing cold; frost day and night in the South.

DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 20th December.

1 S.E. England	Moderate east wind, fresh or strong on coasts. Cloudy at first with local rain. Bright intervals later with slight snow showers chiefly near East coast. Very cold; day temperatures falling to near the freezing point. Sharp frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate east wind, fresh on coasts. Mainly cloudy, bright intervals later with local sleet or snow showers. Cold; frost at night.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Moderate east to southeast wind fresh on coasts. Mainly cloudy, sleet or snow showers; cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7-8
13 { A.W. Scotld. B.N.W. Scot- land.	Light or moderate southeast wind; fair; local morning fog. Cold; sharp frost at night.
14 Mid Scotland	
15 N. E. Scotland	Moderate southeast to south wind. Bright intervals, local wintry showers. Rather cold; frost locally at night.
16 Orkneys and Shetlands	
17 N. W. Ireland	Slight or moderate east to southeast wind. Mainly fair; local morning fog; cold, frost at night.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

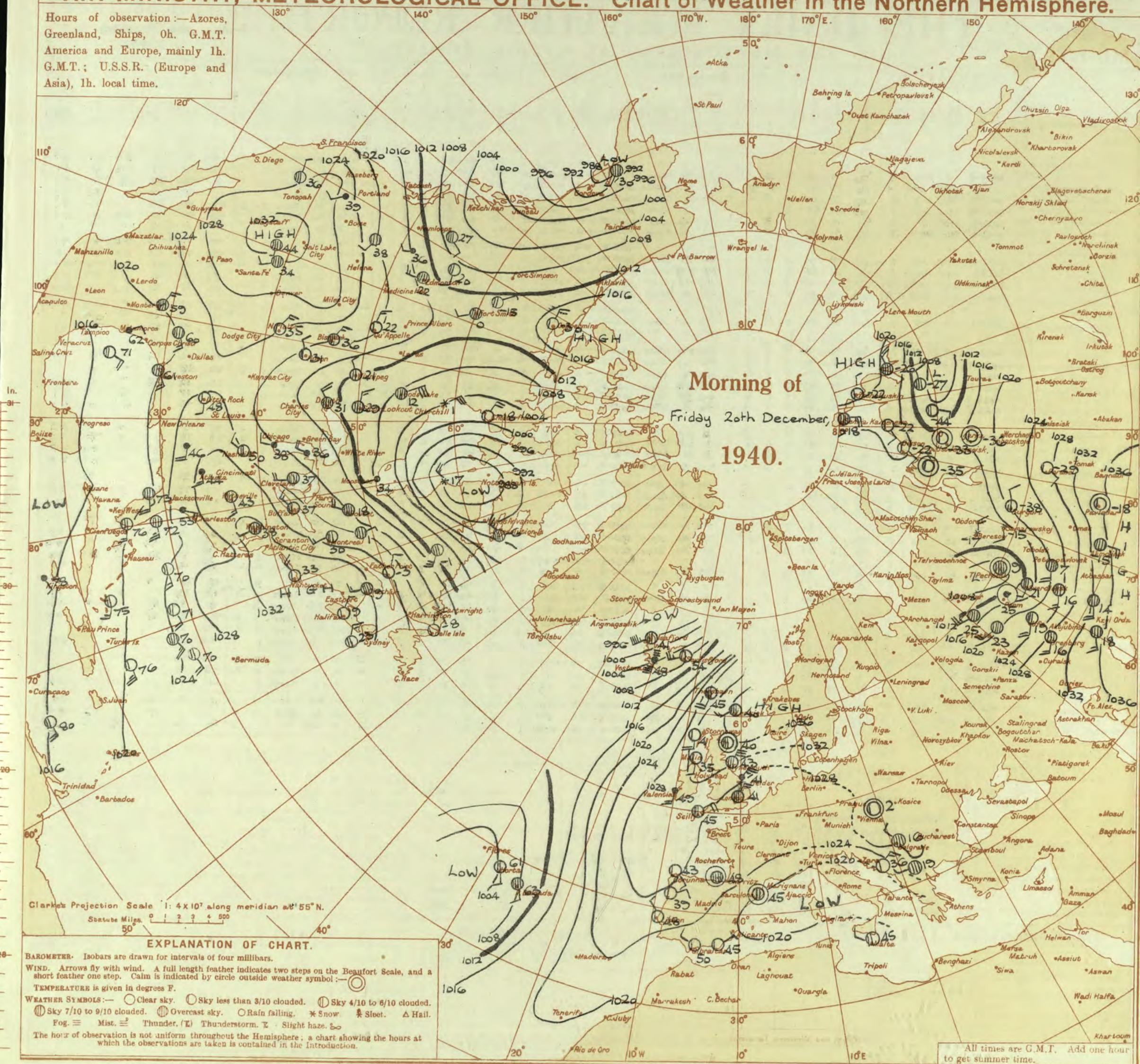
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornhill 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.

BRITISH SECTION

Friday 20th December 1940.

No. 28883

OBSERVATIONS at 1 hr. G.M.T. 20th December.														OBSERVATIONS at 7 hr. G.M.T. 20th December.														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).			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																	Low.	Med.	High.	Low.	Total.
1	London (Kew) ... 18	1024.8	-2	NNW	4	20	41	85	5	5	1	7-8	9	1000	1025.2	+2	NE	5	20	41	85	5	5	1	10	10	1500	1	44	41	37	0.5	0.1	4.7			
	Croydon ... 217	1025.9	-6	N/E	4	20	41	85	6	5	3	2-3	9	2000	1025.2	-4	NE/N	4	20	41	85	6	5	1	9	10	1200	1	43	39	38	0.3	Tr	3.1			
	S. Farnborough ... 226	1027.2	-2	N/E	4	20	39	85	5	5	1	10	10	2500	1025.8	-2	NE/N	4	20	39	85	6	5	1	10	10	2000	1	44	40	38	Tr	Tr	5.0			
	Boscombe Down ... 417	1025.4	-6	N/E	5	20	42	85	6	5	1	10	10	2500	1024.7	-2	NNE	3	20	42	85	6	5	1	10	10	2500	1	49	40	38	Tr	Tr	4.9			
	Calshot (Stamtn.) ... 8	1023.3	+10	N	4	20	41	92	5	5	1	10	10	1200	1023.8	+2	NNE	4	20	40	85	7	5	1	9	10	1500	1	43	39	37	0.4	2	4.9			
	Lympe ... 346	1023.6	+10	NNE	6	20	41	92	6	5	1	7-8	7-8	1800	1024.1	+4	NE/E	4	20	41	85	6	5	1	9	10	1000	1	43	39	37	Tr	Tr	4.9			
	Manston ... 154	1023.6	+10	NNE	6	20	41	92	6	5	1	7-8	7-8	1800	1024.1	+4	NE/E	4	20	41	85	6	5	1	9	10	1000	1	43	39	37	Tr	Tr	4.9			
2	Shoeburyness ... 11	1025.0	+14	NE	5	20	41	97	6	5	1	9	9	1200	1025.1	+2	NE/E	4	20	40	97	6	5	1	10	10	1500	1	44	40	38	0.2	4	4.6			
	Felixstowe ... 15	1023.2	+10	NE/N	5	20	43	85	6	5	1	7-8	7-8	1500	1025.6	+8	NE/E	6	20	41	85	6	5	1	9	10	1500	1	43	40	39	0.4	3	1.5			
	Gorleston ... 5	1026.6	+6	N/E	3	10	41	97	6	5	1	10	10	1200	1026.7	+6	EN	6	20	41	85	6	5	1	10	10	1500	1	44	40	39	0.3	0.2	0.0			
	Mildenhall ... 19	1026.6	+6	N/E	3	10	41	97	6	5	1	10	10	1200	1026.8	+2	NE/E	5	20	40	85	6	5	1	10	10	1600	1	43	40	37	0.1	0.3	0.8			
	Cranwell ... 240	1029.2	+2	NE/E	4	20	40	92	5	5	1	10	10	1000	1029.3	+2	ENE	4	20	40	92	5	5	1	10	10	1000	1	42	37	35	0.2	1	3.0			
3	Birmingham ... 535	1027.6	-2	N/E	4	20	39	92	5	5	1	10	10	900	1027.7	0	NE	4	20	39	92	5	5	1	10	10	800	1	39	37	34	0.4	4.0	4.0			
	Upper Heyford ... 408	1027.6	-2	N/E	4	20	39	92	5	5	1	10	10	900	1027.7	-6	NE	4	20	39	92	5	5	1	10	10	600	1	46	38	34	Tr	0.4	4.0			
4	Ross-on-Wye ... 223	1027.8	-6	N	4	20	39	92	5	5	1	10	10	800	1027.8	-6	N	4	20	39	92	5	5	1	10	10	800	1	42	39	32	Tr	6.0	6.0			
5	Hartland Point ... 299	1028.5	-8	NE	3	10	42	75	8	5	1	4-6	4-6	2500	1028.8	-6	NE	4	20	42	75	8	5	2	7-8	10	1500	1	49	41	37	Tr	4.2	4.2			
	Bristol ... 209	1029.0	-2	NNE	3	10	41	85	5	5	2	4-6	10	1200	1027.3	-6	NNE	4	20	39	97	5	5	2	9	10	1000	1	46	36	32	Tr	4.2	4.2			
	Portland Bill ... 32	1026.3	-6	N	3	10	41	92	7	5	1	10	10	4000	1024.1	-2	NNE	4	20	42	92	7	5	1	10	10	4000	1	50	38	32	Tr	4.2	4.2			
	Plymouth ... 82	1028.7	-8	N	0	20	39	85	6	5	1	4-6	4-6	3500	1026.8	-6	ENE	1	20	42	75	6	5	1	10	10	1200	1	51	32	28	Tr	2.3	2.3			
	The Lizard ... 240	1028.6	-4	NNE	4	20	38	85	7	8	6	4-6	7-8	2500	1026.5	-10	NNE	3	20	42	85	7	8	2	9	10	2000	1	51	37	37	Tr	0.7	0.7			
	Scilly (St. Mary's) ... 163	1028.7	-6	NE/N	4	20	45	75	7	5	3	4-6	7-8	2500	1027.2	-8	NE/E	3	20	44	75	7	8	1	9	10	2000	1	51	43	43	Tr	0.1	0.1			
	Guernsey ... 175	1030.5	-4	NW	3	10	39	92	8	7	1	2-3	3	3000	1029.1	-4	NE	4	20	41	75	7	5	1	10	10	3000	1	48	37	38	Tr	2.2	2.2			
6	Pembroke ... 142	1031.8	+2	NE	4	20	44	85	7	7	3	1	7-8	3000	1031.0	-6	NE/E	5	20	44	75	6	5	2	7-8	10	2200	1	44	38	38	Tr	4.5	4.5			
7	Holyhead ... 126	1031.6	0	WNW	2	20	40	85	6	5	1	9	9	4200	1030.9	-4	WNW	2	20	40	85	6	5	2	7-8	10	2200	1	41	39	39	Tr	2.7	2.7			
8	Chester (Sealand) ... 16	1031.2	0	NNE	2	20	40	75	6	5	1	2-3	9	3500	1030.7	-2	NE	3	20	42	85	6	5	2	7-8	10	1500	1	40	39	30	Tr	2.6	2.6			
	Manchester ... 70	1031.2	0	NNE	2	20	40	75	6	5	1	2-3	9	3500	1030.7	-2	NE	3	20	42	85	6	5	2	7-8	10	1500	1	40	39	30	Tr	2.6	2.6			
10	Spurn Head ... 29	1029.1	+4	NNE	5	20	41	85	6	5	1	10	10	1500	1029.2	+2	NE	5	20	41	85	7	6	1	9	10	800	0	45	39	39	Tr	1.0	1.0			
	Catterick ... 175	1032.6	+4	NE	3	20	40	85	7	5	3	2-3	9	4500	1032.3	+2	ENE	2	20	41	92	7	5	1	10	10	2000	1	42	38	37	0.1	0.5	2.0			
	Tynemouth ... 108	1032.7	+6	NNE	6	20	43	65	7	2	1	7-8	7-8	1600	1032.7	+8	E	6	20	44	75	7	5	1	9	10	1600	1	45	42	39	2	Tr	2.0			
11	St. Abbs Head ... 280	1022.7	+4	NE	3	20	43	85	7	5	2	7-8	9	2500	1034.3	+4	SE	4	20	43	75	7	5	2	7-8	10	2000	1	43	41	39	Tr	Tr	Tr			
	Leuchars ... 36	1034.9	+2	W	2	20	37	85	6	5	1	9	9	2800	1035.7	+4	E	3	20	43	65	7	5	1	9	10	2500	1	42	36	33	Tr	0.9	0.9			
12	Renfrew (Abbots I.) ... 19	1035.6	+2	N	0	20	30	97	2	5	1	9	9	3500	1035.5	+6	N	0	20	38	97	3	5	1	9	10	2400	3	32	25	19	Tr	0.0	0.0			
	Eskdalemuir ... 794	1035.6	+2	N	0	20	30	97	2	5	1	9	9	3500	1034.6	+2	ENE	2	20	36	85	7	5	1	9	10	1500	1	39	35	32	Tr	0.1	3.2			
	Point of Ayre ... 30	1033.0	0	NE	3	20	42	85	8	8	1	7-8	7-8	2500	1032.7	0	ESE	4	20	43	85	8	5	1	9	10	2500	0	43	40	39	Tr	4.1	4.1			
13A	Tiree ... 22	1033.3	+4	S	4	20	47	92	8	5	1	Tr	Tr	3500	1033.4	+2	SE	3	20	40	85	8	5	3	0	1	0	1	43	32	32	Tr	Tr	5.5			
13B	Stornoway ... 80	1033.3	+4	S	4	20	47	92	8	5	1	Tr	Tr	3500	1033.7	+4	SSW	3	20	40	85	8	5	1	2-3	2-3	3500	1	43	39	39	Tr	1.1	1.1			
15	Dalwhinnie ... 1176	1035.0	0	SSW	3	20	40	85	7	5	7	7-8	9	2500	1035.5	-2	SE	1	20	34	75	7	8	1	4-6	4-6	2500	3	42	37	29	Tr	2.0				

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

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

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

PAST 24 HOURS.

STATIONS.		Barom.	Change in	Wind.	Weather.	Temp.	Humid.	Visib.	Cloud.					Barom.	Change in	Wind.	Weather.	Temp.	Humid.	Visib.	Cloud.					State of	Sea.	WEATHER.							
(For heights see p. 4.)		mb.	8 hours.	Dir.		°F.	%	0-9	Form.	Amount.	Height		mb.	8 hours.	Dir.		°F.	%	0-9	Form.	Amount.	Height	of	of	0-9	0-9	7h.-13h.	13h.-18h.	18h. to	1h.-7h.					
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)...	1026.3	-2	NE	4	z	40	75	5	-	-	10	10	800	1026.8	+6	NE	4	m	38	85	4	5	-	10	10	800	1	*	cmo	cidmo	cmobng	bcnng		
	Croydon ...	1025.8	-2	NE	5	z	38	75	5	5	-	10	10	2000	1026.2	+4	NE	5	m	36	85	4	5	-	10	10	1000	1	*	r	cmobng	cmobng	cmobng		
	S. Farnborough	1026.1	-4	ENE	4	o/d	39	85	6	5	-	10	10	700	1026.6	+2	NE	3	z	37	85	5	5	-	10	10	1600	1	*	cladmo	cladmo	cladmo	cladmo		
	Boscombe Down	1026.2	-6	NE	4	id	39	85	6	5	-	10	10	400	1026.3	+6	NE	4	z	36	92	6	5	-	10	10	600	1	*	cladmo	cladmo	cladmo	cladmo		
	Calshot (Soton.)	1025.0	-2	NE	4	id	41	85	5	5	2	3	10	800	1024.9	0	ENE	4	z	35	85	6	5	-	10	10	1500	1	2	cladmo	cladmo	cladmo	cladmo		
	Lympne ...	1025.3	+2	E	4	z	37	85	5	6	2	7-8	10	900	1025.5	+2	E	4	z	35	85	5	5	-	7-8	7-8	1200	*	3	cladmo	cladmo	cladmo	cladmo		
	Manston ...	1025.8	+2	E	5	z	37	82	6	5	-	9+	9+	600	1026.2	+4	ENE	4	z	37	85	6	2	-	1	1	2000	*	3	cladmo	cladmo	cladmo	cladmo		
2	Shoeburyness ...	1026.5	-2	ENE	4	c	39	85	6	5	-	10	10	2500	1026.8	+2	NE	4	bc	38	85	6	5	-	4-6	4-6	500	1	*	cladmo	cladmo	cladmo	cladmo		
	Felixstowe ...	1027.8	+6	ENE	6	z	38	85	6	8	-	10	10	1000	1027.9	+4	ENE	6	z	39	75	6	5	-	9	9	1500	1	3	cladmo	cladmo	cladmo	cladmo		
	Gorleston ...	1029.1	0	E	6	c	39	85	6	5	-	10	10	700	1029.7	+4	ENE	6	bc	38	75	5	4	-	4-6	4-6	1500	1	4	cladmo	cladmo	cladmo	cladmo		
	Mildenhall ...	1028.5	+2	ENE	4	id	38	92	6	5	-	10	10	1500	1028.9	+2	ENE	4	z	37	85	6	5	-	10	10	1500	1	*	cladmo	cladmo	cladmo	cladmo		
	Cranwell ...	1030.7	-2	ENE	5	bc	40	75	7	5	-	4-6	4-6	500	1030.7	0	ENE	4	b	33	85	7	-	-	0	0	-	1	*	cladmo	cladmo	cladmo	cladmo		
3	Birmingham	1029.1	-4	ENE	4	c	38	75	5	8	-	9+	9+	1500	1029.1	0	ENE	4	bc	36	75	5	5	-	2-3	2-3	1500	1	*	cladmo	cladmo	cladmo	cladmo		
	Upper Heyford	1027.8	-4	NE	4	z	39	85	6	5	-	9+	9+	1200	1028.0	+2	NE	4	z	36	92	6	5	-	10	10	1000	1	*	cladmo	cladmo	cladmo	cladmo		
4	Ross-on-Wye ...	1027.7	-6	NE	4	id	39	82	6	5	-	10	10	800	1027.9	0	ENE	5	0	37	75	6	5	-	10	10	1500	1	*	cladmo	cladmo	cladmo	cladmo		
5	Hartland Point	1025.6	-12	NE	5	c	42	85	7	5	2	7-8	10	1000	1024.6	-4	NE	5	c	40	75	7	8	2	7-8	10	1500	1	4	c	cladmo	cladmo	cladmo	cladmo	
	Bristol ...	1027.2	-6	NE	4	cladmo	39	97	5	5	2	9	10	700	1027.1	-4	ENE	4	z	37	85	5	5	-	10	10	1200	1	*	cladmo	cladmo	cladmo	cladmo		
	Portland Bill ...	1025.9	-8	NE	4	c	42	85	7	5	-	9	10	2500	1025.8	-6	NE	4	0	39	92	7	5	-	10	10	2500	1	4	cladmo	cladmo	cladmo	cladmo		
	Plymouth ...	1025.6	-10	ENE	4	z	42	85	6	8	-	9+	9+	500	1024.6	-2	NE	4	z	41	75	6	5	-	9+	9+	2000	1	2	cladmo	cladmo	cladmo	cladmo		
	The Lizard ...	1025.8	-10	ENE	3	c	42	85	8	8	2	9	10	1500	1025.9	-2	NE	6	c	43	85	6	8	2	9	10	1500	1	3	c	cladmo	cladmo	cladmo	cladmo	
	Scilly (St. Mary's)	1025.4	-14	NE	5	c	45	65	7	8	6	7-8	9+	2200	1023.6	-6	NE	4	c	44	65	7	9	2	7-8	10	1200	1	3	c	cladmo	cladmo	cladmo	cladmo	
	Guernsey ...	1025.4	-14	NE	5	c	45	65	7	8	6	7-8	9+	2200	1023.6	-6	NE	4	c	44	65	7	9	2	7-8	10	1200	1	3	c	cladmo	cladmo	cladmo	cladmo	
6	Pembroke ...	1028.1	-4	NE	4	c	42	85	8	8	2	7-8	10	2500	1026.4	-4	ENE	4	c	40	75	7	8	-	7-8	7-8	3000	1	2	c	cladmo	cladmo	cladmo	cladmo	
7	Holyhead ...	1030.6	-10	ENE	5	c	43	85	6	5	-	9+	9+	2200	1029.4	-8	ENE	6	bc	41	75	6	8	-	4-6	4-6	2200	1	3	cladmo	cladmo	cladmo	cladmo		
	Chester (Sealand)	1031.2	-6	ENE	3	z	41	75	6	5	-	9	9	3500	1030.7	+2	NE	2	z	38	75	6	-	-	0	0	-	1	*	cladmo	cladmo	cladmo	cladmo		
8	Manchester ...	1031.7	+2	NE	3	z	41	65	5	1	-	7-8	10	2700	1031.1	0	ENE	4	z	39	65	5	-	-	0	0	-	1	*	cladmo	cladmo	cladmo	cladmo		
10	Spurn Head ...	1031.3	0	NE	5	dd	42	85	7	8	-	7-8	7-8	4000	1030.9	0	ENE	6	cq	40	75	7	8	-	4-6	7-8	4000	1	4	cq	cladmo	cladmo	cladmo	cladmo	
	Catterick ...	1034.4	-2	E	2	c	42	75	7	8	-	9	9	3000	1033.9	+6	-	0	bc	36	85	7	4	-	4-6	4-6	2500	0	3	cladmo	cladmo	cladmo	cladmo		
	Tynemouth ...	1035.1	+4	E	5	c	42	75	8	2	-	7-8	7-8	3200	1024.5	0	E	5	c	42	75	7	2	-	7-8	7-8	3000	1	3	c	cladmo	cladmo	cladmo	cladmo	
11	St. Abbs Head	1035.4	-4	ESE	4	c	43	75	8	4	-	4-6	7-8	2500	1034.2	-4	SE	4	bc	41	85	8	4	-	4-6	4-6	2500	0	3	c	cladmo	cladmo	cladmo	cladmo	
	Leuchars ...	1036.5	-2	ESE	3	c	44	85	7	7	3	7	4-6	7-8	3200	1036.3	+2	E	3	z	42	75	6	4	3	7-8	7-8	3200	1	*	cladmo	cladmo	cladmo	cladmo	
12	Renfrew (Abbots L.)	1035.7	-6	E	2	m/f	41	85	4	5	3	2-3	7-8	2800	1035.1	+2	ESE	2	z	38	85	5	-	-	0	0	-	1	*	cladmo	cladmo	cladmo	cladmo		
	Eskdalemuir ...	1035.2	+4	E	3	bc	38	85	8	5	-	4-6	4-6	2500	1034.6	0	E	1	b	34	85	7	5	-	1	1	2500	1	*	cladmo	cladmo	cladmo	cladmo		
	Point of Ayre ...	1032.7	-4	E's	4	bc	44	85	8	5	-	2-3	2-3	2500	1031.9	0	NE	3	bc	41	75	7	4	-	2-3	2-3	2500	0	2	c	cladmo	cladmo	cladmo	cladmo	
13A	Tiree ...	1033.4	-2	SE	5	c	43	75	8	5	-	7-8	7-8	2400	1032.3	-2	ESE	3	bc	41	85	8	5	-	4-6	4-6	2500	0	3	cladmo	cladmo	cladmo	cladmo		
13B	Stornoway ...	1034.2	0	S	4	c	44	75	8	2	7	7	7	2500	1034.2	-2	ESE	3	bc	43	75	7	5	-	2-3	2-3	2500	1	2	cladmo	cladmo	cladmo	cladmo		
15	Dalwhinnie ...	1036.0	0	SE	2	c	37	85	7	8	-	9	9	500	1035.8	0	S	2	c	36	85	7	5	-	7-8	7-8	1500	1	*	cladmo	cladmo	cladmo	cladmo		
	Aberdeen ...	1037.2	-6	SSE	3	c	43	75	6	5	-	7-8	7-8	1500	1037.4	+4	SSE	2	bc	41	75	5	5	-	6	4-6	4-6	2500	1	2	cladmo	cladmo	cladmo	cladmo	
	Wick ...	1036.8	+2	SSW	5	c	44	75	8	5	2	7-8	10	2500	1036.7	0	S	4	c	43	75	7	8	7	4-6	7-8	1500	1	2	cladmo	cladmo	cladmo	cladmo		
16	Lerwick ...	1037.8	-2	S	5	c	43	75	8	5	7	7-8	10	1500	1037.5	+2	S	6	c	43	75	7	5	2	4-6	10	800	1	*	c	cladmo	cladmo	cladmo	cladmo	
17	Blacksod Point...	1029.0	-6	SE	3	b	43	92	8	-	4	0	1	-	1029.0	0	SE	3	b	41	92	8	-	0	1	-	0	3	cladmo	cladmo	cladmo	cladmo			
18	Malin Head ...	1032.6	-10	SE	3	c	43	75	8	2	-	2-3	7-8	5700	1031.7	-2	-	0	b	38	85	8	-	-	0	0	-	0	2	cladmo	cladmo	cladmo	cladmo		
	Aldergrove ...	1033.2	-10	ENE	2	z	40	85	6	5	-	-	9+	9+	4000	1033.2	-2	ENE	2	z	38	85	5	5	-	1	1	3500	1	*	cladmo	cladmo			

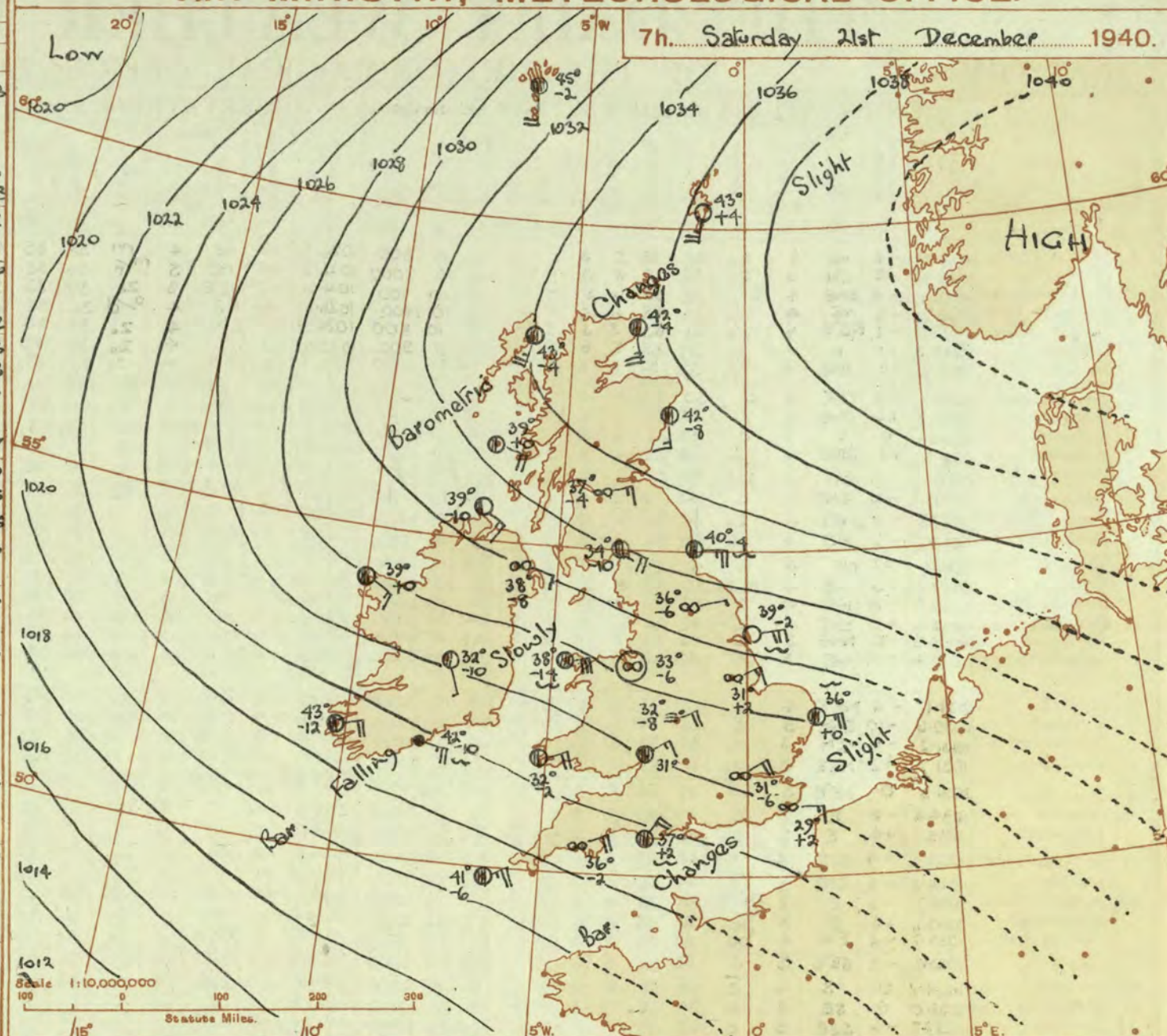
Abridged observations of additional stations in the

AVIATION WEATHER CODE

SECTION WEATHER CODE																
13h. G.M.T. 22h December 07h. G.M.T.								01h. G.M.T. 2h December 07h. G.M.T.								
III _C C _M		wwVhN _h	DDFWN	C ₁ C ₂	wwVhN _h	DDFWN	C ₁ C ₂	III _C C _M		wwVhN _h	DDFWN	C ₁ C ₂	III _C C _M		wwVhN _h	DDFWN
109	5	21758	15458	5-	02858	16328	50	00863	14413	5-	03858	15428				
115	51	01854	20215	51	01853	16214	51	01861	28213	51	01961	12213				
203				54	01961	12313										
206	53	01863	20115	50	00852	00012	00	00630	00000	00	03520	00000				
210				00	00830	11320	00	05630	00000	50	00863	00013				
220				54	01754	16414				83	01730	15302				
230	5-	02857	08117	50	00851	06211	50	00862	10402	04	00830	08401				
245	10	02854	10408	40	01754	11424	8-	01855	10425	8-	02850	43526				
260	04	05630	08263	00	05551	06201	5-	05657	08227	5-	02767	10327				
277	54	01851	08413	00	05630	08300	00	00730	08300	03	00830	08402				
279				50	05652	08302	--	01730	06400	5-	02766	04326				
285	50	02746	10426	5	02747	08327				6-	03638	08528				
288	74	05653	05327	5-	05656	06126	5-	02757	06327	8-	02757	08227				
273	54	05653	08216													
301	50	05663	08453	50	05552	08312	50	05664	41314	03	05630	08327				
321	50	02725	03325	50	05663	04205	5-	05665	04215	00	05630	03200				
299	80	01744	08614	80	02745	08618	8-	03646	08626	8-	02745	08515				
292	76	02750	04226	50	00751	06301	5-	05655	06325	5-	02755	06225				
310	--	01635	08615	--	02636	04526				--	02636	04716				
316	50	01744	04424	00	05550	04310	50	01651	04411	00	00630	02410				
333	23	05647	06327	50	0752	04202	50	07652	08402	03	01730	07503				
334																
340	2-	02750	04450	40	05661	04311	50	00763	04513	5-	02755	04515				
136				00	05630	06410				63	01730	07402				
336	52	03755	04428	52	03754	04428										
350	8-	05647	07458							5-	05663	07315				
368																
370	5-	21638	08558	5-	52548	08458	00	05630	06400	5-	05658	08428				
390	52	51346	04458	5-	08447	06428	00	05530	07410	50	05552	08412				
382	5-	05645	05453	5-	51548	04358	00	00730	04300	50	05643	04313				
438	8-	03638	04628							5-	02657	04527				
430	G-	52638	04558	5-	05537	06427	50	05653	08313	00	05630	06200				
409				5-	05647	06457	5-	52648	04358	5-	05643	05428				

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.
 C₁, C₂ = 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. Saturday 21st December

1 S.E. England	Moderate east wind, fresh or strong locally on coasts. Mainly fair, very cold. Day temperatures about the freezing point; frost at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate east wind, fresh or strong on coasts. Bright intervals, local wintry showers. Cold; frost locally at night.
6 South Wales ...	
7 North Wales ...	As 1-4
8 N.W. England	
9 N. Midlands ...	Moderate east to southeast wind, fresh locally on coasts. Mainly cloudy; local wintry showers: cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate east wind, fresh on coasts. Mainly fair. Cold; frost locally at night.
13 { A.W.Scotld. B.N.W.Scot- land.	Light or moderate southeast wind, fresh locally on coasts. Fine; cold; frost at night.
14 Mid Scotland	
15 N. E. Scotland	As 9-11
16 Orkneys and Shetlands	
17 N. W. Ireland	As 12
18 N. E. Ireland	
19 S. E. Ireland	As 5
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 is centred over Southern Scandinavia. Cold and mainly fair weather will continue, with day temperatures about freezing point in the South.

FURTHER OUTLOOK.

Continuing cold for a day or two, especially in the South.

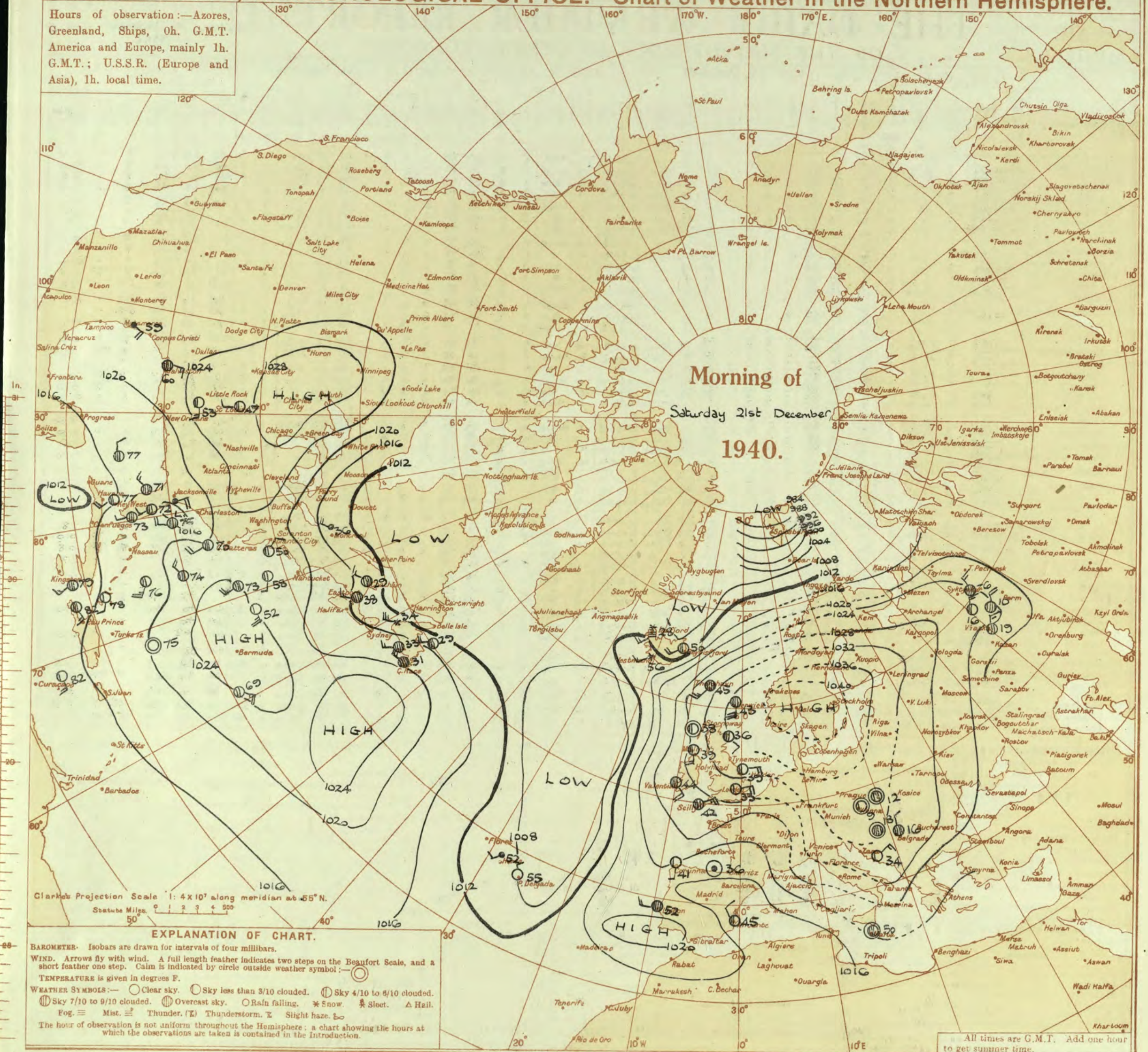
Forecasts issued at 1030 G.M.T.

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

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

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

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



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 21st December 1940.
No. 28884.

OBSERVATIONS at 1 hr. G.M.T. 21st December

OBSERVATIONS at 7 hr. G.M.T. 21st December

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.		SUN-SHINE Hrs. (36)						
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10-11)	Height of Base. (feet) (14)			Direc. (17)	Force. (18)					Form. (23)	Amount. (24-25)	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	*	*	*	*	*	*	*	*	*	*	1025.5	-4	NE	3	3	33	85	5	5	3	-	4-6	1500	1	*	42	33	27	Tr	-	0.0				
	Croydon	217	1026.2	-2	NE	2	3	33	85	5	5	-	1	1025.0	-6	NE	2	3	31	85	5	5	-	9-10	1200	1	*	40	31	30	Tr	-	0.0				
	S. Farnborough	226	1026.3	-2	NE	2	3	35	75	6	5	-	3	1025.3	-2	NE	2	3	32	85	5	5	-	7-8	7-8	1	*	41	31	28	Tr	-	0.0				
	Boscombe Down	417	1026.1	-2	NE	2	3	35	75	6	5	-	10	1024.7	-2	NE	2	3	30	85	7	7	-	0	0	3	*	44	29	26	Tr	Tr	0.0				
	Calshot (Stmntn.)	8	1024.9	-2	NE	4	4	33	75	6	5	-	10	1025.0	-2	NE	4	3	33	85	5	5	-	0	0	3	*	43	33	30	Tr	-	0.0				
	Lympe	346	1026.8	+2	NE	4	4	33	85	6	5	-	Tr	1025.2	+2	NE	3	3	29	85	6	5	-	2-3	2-3	3	*	*	29	26	*	-	0.0				
	Manston	154	1026.0	-6	NE	4	4	33	85	6	5	-	4-6	1025.6	+2	NE	2	3	32	92	5	5	-	2-3	2-3	3	*	*	*	*	*	*	0.0				
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1026.2	-4	NE	5	0	34	75	6	5	-	7-8	7-8	2500	0	*	41	33	30	Tr	-	0.0			
	Felixstowe	15	1027.7	-2	NE	2	6	35	75	6	5	-	4-6	1026.9	-6	NE	2	5	35	75	6	5	-	1	1	2000	1	3	41	34	31	Tr	-	0.0			
	Gorleston	5	1023.2	-4	NE	2	6	36	85	7	-	4	Tr	1028.4	0	NE	2	5	36	75	6	5	-	7-8	7-8	1500	3	*	41	35	32	-	-	0.0			
	Mildenhall	19	1028.4	-6	NE	2	3	30	85	6	-	-	0	1027.4	-2	NE	2	5	33	85	7	5	-	7-8	7-8	1600	3	*	42	29	24	Tr	Tr	0.0			
	Cranwell	240	1030.4	-6	NE	2	3	32	85	6	-	-	0	1029.5	+2	NE	2	3	31	85	6	-	-	0	0	3	*	(40)	31	28	0.1	Tr	-	3.8			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1027.5	-8	NE	4	3	32	92	4	6	-	10	10	800	1	*	39	30	24	0.2	-	0.2			
	Upper Heyford	408	1028.1	-2	NE	4	4	30	85	6	-	-	0	1027.4	-2	NE	4	3	31	85	6	5	-	9+	9+	1300	3	*	40	29	24	0.4	-	*			
	Rosa-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1026.8	*	NE	3	3	31	75	6	5	-	10	10	1500	3	*	41	31	27	Tr	-	0.1			
5	Hartland Point	299	1024.8	0	NE	5	0	38	85	7	8	2	7-8	10	1500	1023.3	-6	NE	4	0	34	75	8	5	-	7-8	7-8	1500	1	3	43	34	33	Tr	-	0.0	
	Bristol	209	1027.0	-4	NE	4	4	35	75	6	5	-	10	10	1400	1026.2	-8	NE	3	0	31	85	7	5	-	9	9	2500	1	3	40	30	27	Tr	Tr	0.0	
	Portland Bill	32	1024.1	+10	NE	4	4	38	82	7	5	-	10	10	2500	1023.1	+2	NE	4	0	37	92	7	5	-	10	10	2500	1	4	43	36	27	-	0.0		
	Plymouth	82	1024.5	-4	NE	4	4	38	85	6	5	-	10	10	2000	1023.4	-2	NE	4	0	36	75	6	5	-	10	10	2000	1	1	43	35	27	Tr	Tr	0.0	
	The Lizard	240	1022.9	-6	NE	5	0	41	92	6	9	2	-	9	10	1500	1022.1	-2	NE	5	0	38	92	6	8	2	-	9	10	1500	1	1	43	38	-	0.0	
	Scilly (St. Mary's)	163	1022.8	-4	NE	5	0	42	85	6	5	2	-	9	10	1500	1021.4	-6	NE	5	0	41	85	5	5	2	-	7-8	10	1500	1	3	45	41	*	0.0	
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.0		
6	Pembroke	142	1026.5	-4	NE	5	0	38	85	6	8	2	-	7-8	10	3000	1025.5	-2	NE	4	0	32	85	8	2	-	2-3	2-3	4000	1	2	43	32	*	-	0.0	
	Holyhead	26	1029.3	-4	NE	2	6	38	75	6	5	-	Tr	Tr	4000	1027.1	-14	NE	2	0	38	85	8	5	0	1	7-8	4000	1	4	44	36	33	-	-	0.0	
	Chester (Sealand)	16	1031.0	-2	NE	4	0	35	85	6	5	-	7-8	7-8	2500	1025.4	-6	NE	4	0	35	75	6	-	3	-	0	2-3	-	3	42	30	19	Tr	-	1.0	
	Manchester	70	1030.5	-6	NE	4	4	37	65	6	5	-	2-3	2-3	5000	1028.6	-6	NE	5	0	37	65	5	-	3	-	0	1	-	0	42	36	32	0.1	-	0.0	
10	Spurn Head	29	1030.8	-2	NE	5	0	40	75	7	4	6	-	2-3	4-6	2500	1029.4	-2	NE	6	0	39	65	7	-	-	0	0	-	1	4	44	38	*	-	2.3	
	Catterick	175	1033.3	-6	NE	2	2	38	75	7	5	-	9+	9+	3000	1032.3	-6	NE	1	0	36	85	6	5	-	9	9+	2800	0	*	42	35	33	-	-	2.2	
	Tynemouth	108	1034.5	-2	NE	4	0	41	65	7	8	-	9+	9+	3000	1033.3	-4	NE	5	0	40	75	8	8	-	9	9+	2800	1	4	45	40	38	-	-	-	
11	St. Abbs Head	280	1034.7	+4	SE	5	0	40	85	8	5	4	-	4-6	7-8	2500	1033.2	-4	SE	5	0	40	75	8	5	2	-	7-8	10	2000	0	3	43	40	*	-	*
	Leuchars	36	1035.8	-4	SE	3	0	41	75	8	5	-	7-8	7-8	3500	1034.4	-2	SE	5	0	41	75	8	5	-	9	9	3500	1	*	45	40	36	Tr	-	1.8	
12	Renfrew (Abbots L.)	19	1034.4	-8	NE	3	0	39	75	5	5	-	9	9	3500	1033.4	-4	NE	3	0	37	75	6	5	3	-	2-3	4-6	4000	1	*	41	35	29	Tr	Tr	0.0
	Ekdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1032.9	-10	SE	4	0	34	70	8	5	-	8	9	1800	1	*	39	32	27	Tr	Tr	0.8
	Point of Ayre	30	1031.7	0	SE	4	0	40	75	8	4	-	2-3	2-3	2500	1029.8	-10	SE	4	0	40	70	7	5	-	2-8	2-8	2500	0	2	44	38	*	-	2.7		
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1030.6	0	SE	4	0	38	85	8	2	7	-	2-3	2-3	2500	0	3	43	38	*	-	4.0			
13b	Stornoway	80	1033.8	0	-	0	0	38	92	7	5	-	2-3	2-3	2500	1032.5	-6	SE	0	0	35	92	7	5	-	2-3	2-3	2500	1	0	44	34	*	-	4.1		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	990.2	-2	SE	2	0	35	75	7	5	4	-	4-6	7-8	1500	3	*	34	28	Tr	-	-			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1035.4	0	SE	3	0	42	65	7	5	-	9	9	1500	1	2	43	40	36	-	2	0.0			
	Wick	81	1036.4	0	S	4	0	42	75	7	8	1	-	4-6	4-6	1500	1035.3	-4	SE	5	0	42	75	8	5	7	-	7-8	9	1500	1	2	45	40	*	-	*
16	Lerwick	156	1037.5	-2	S	6	0	43	75	7	8	7	-	4-6	7-8	1500	1037.2	+4	SW	5	0	43	75	8	5	7	-	7-8	9	1500	1	*	47	42	*	-	0.0
17	Blackrod Point	18	1028.3	-6	SE	4	0	42	85	7	-	4	-	0	4-6	-	1026.8	0	SE	3	0	39	85	8	-	7	-	0	7-8	-	0	3	44	38	*	-	*
18	Malin Head	84	1030.7	0	SE	3	0	39	75	8	5	-	4-6	4-6	4000	1029.5	-10	SE	3	0	39	65	8	1	-	4-6	4-6	5700	0	3	44	35	*	-	2.2		
	Aldergrove	268	1031.6	-2	SE	4	0	38	75	6	5	-	2-3	2-3	2500	1029.8	-8	SE	2	0	38	85	6	5	-	4-6	4-6	2500	1	*	41	36	26	0.1	Tr	0.6	
19	Birr Castle	173	1028.1	-2	NE	1	0	35	85	8	-	-	0	0	-	1026.7	-10	SSE	1	0	32	85	8	-	3	-	0	4-6	2500	1	*	38	31	28	-	-	4.1
20	Valentia Obay.	30	1024.7	-10	SSE	4	0	44	85	8	5	-	9	9	2500	1022.4	-12	NE	4	0	43	75	8	8	-	9	9	2500	1	2	46	43	40	0.5	Tr	4.3	
	Roches Point	22	1025.7	-4	ES	5	0	43	75	8	5	-	9+	9+	1500	1023.4	-10	ES	5	0	42	75	8	6	2	-	7-8	9+	1500	1	4	44	41	*	0.3	0.4	*

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

Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun- shine. to Sunset. hrs.	Humidity.		Visibility 9h.
	Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day. mm.	Night. mm.		15h. G.M.T. G.M.T.	9h. °F.	
Kew...	18	cloudy	cloudy	cloudy	42	33	27	Tr	1	0.0	*	5
Croydon	217	cloudy	cloudy	cloudy	40	31	30	Tr	-	0.0	*	5
GREENWICH (Royal Observatory)...	149	*	*	*	*	*	*	*	*	*	*	*
CITY (Bunhill Row) ...	-	*	*	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*									

THE DAILY WEATHER REPORT

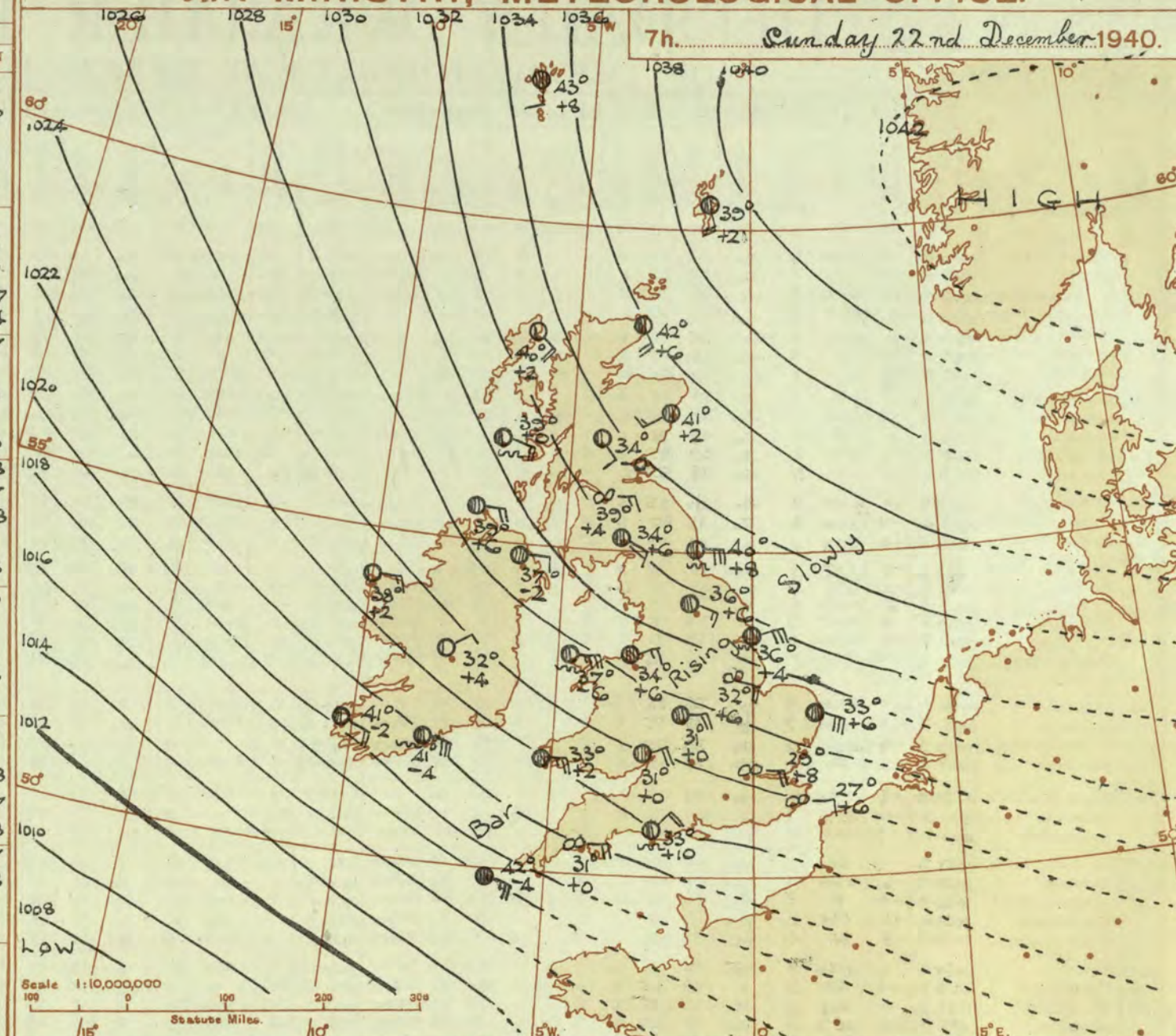
OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 21st December														OBSERVATIONS at 18h. G.M.T. 21st December														PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (30)	Sea. 0-9 (31)	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. ...21st... (37)	13h.—18h. ...21st... (38)	18h.—21st 1h.—22nd (39)	1h.—7h. ...22nd... (40)									
1	London (Kew)...	1025.8	-4	ENE	4	Zo	37	75	5	5	6	2.3	4.6	1500	1025.5	+2	NE'E	3	Zo	36	85	5	5	8	4.6	94	1500	1	*	ccmo	bcaz	cbbccz	c3			
	Croydon ..	1025.4	-4	E	4	Zo	37	75	6	1	-	1	2000	1025.3	0	E	4	Zo	34	75	5	-	4	2	0	7.8	-	1	*	cmobzo	cbezo	bcabm3	bc3cm3			
	S. Farnborough	1025.4	-8	ENE	3	Zo	37	75	5	1	-	1	2000	1024.9	-2	ENE	4	Zo	36	65	5	-	4	6	0	7.8	-	1	*	ccobzo	bcabm3	bcabm3	bc3cm3			
	Boscombe Down	1025.0	-4	NE'E	4	Zo	34	85	5	-	-	0	0	-	1024.3	0	NE'E	4	Zo	33	92	5	-	7	0	2.3	-	3	*	ccobmo	bcabm3	bcabm3	bc3cm3			
	Calshot (Soton.)	1024.4	-6	E'N	4	Zo	36	75	6	-	-	0	0	-	1023.7	+2	E'N	3	Zo	37	75	6	-	3	1	0	2.3	-	1	2	*	ccobmo	bcabm3	bcabm3		
	Lympne	1025.2	-6	E	4	Zo	35	75	6	-	-	2	0	9	-	1024.8	+4	E	3	Zo	33	85	6	-	1	0	2.3	-	3	*	ccobmo	bcabm3	bcabm3			
	Manston	1025.9	-8	E'N	5	Zo	36	75	6	-	-	9	0	7.8	-	1025.0	-4	ENE	4	Zo	35	75	6	-	4	0	7.8	-	3	*	ccobmo	bcabm3	bcabm3			
2	Shoeburyness ...	1026.5	-2	E	5	C	39	75	6	5	-	6	2.3	9	2500	1025.8	+2	ENE	6	bc	37	65	7	5	-	2.3	2.3	7200	0	*	cmo	czocbo	bc	bc3		
	Felixstowe ...	1027.4	-2	E'N	6	Zo	38	75	6	-	4	1	0	2.3	-	1026.5	-2	ENE	6	Zo	37	65	7	5	-	2.3	2.3	7200	0	3	*	cmo	czocbo	bc	bc3	
	Gorleston ...	1029.4	0	E	5	Zo	39	75	6	1	-	1	0	2.3	-	1028.4	-6	E'N	6	Zo	38	75	6	5	-	2.3	2.3	2500	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	Mildenhall ...	1027.9	-2	E'N	5	Zo	37	85	6	5	-	1	0	2.3	-	1027.7	-2	NE	3	Zo	32	85	6	-	7	0	1	-	3	*	ccobmo	bcabm3	bcabm3	bc3cm3		
	Cranwell	1029.6	-6	E	3	Zo	38	85	6	-	-	0	0	-	1029.6	+2	E	3	Zo	32	85	6	-	3	0	2.3	-	3	*	ccobmo	bcabm3	bcabm3	bc3cm3			
3	Birmingham	1028.2	+2	ENE	3	Zo	30	85	5	1	-	1	1	1500	1027.7	-2	ENE	3	Zo	32	92	5	-	-	0	0	-	1	*	ccob	bcabm3	bcabm3	bc3cm3			
	Upper Heyford	1027.4	-2	ENE	4	Zo	33	85	6	5	-	1	1	1500	1026.5	-4	ENE	3	Zo	33	92	6	5	4	-	2.3	2.3	2500	1	*	ccobmo	bcabm3	bcabm3	bc3cm3		
4	Ross-on-Wye	1026.9	-4	ENE	3	Zo	33	75	6	5	-	9	9	2500	1026.7	-4	NE	3	Zo	33	85	5	5	-	9	9	2500	-	*	ccob	bcabm3	bcabm3	bc3cm3			
5	Hartland Point	1023.6	-8	ENE	3	bc	33	75	7	1	4	-	2.3	4.6	2500	1021.6	-12	N	5	bc	34	75	7	-	-	0	0	-	0	*	ccob	bcabm3	bcabm3	bc3cm3		
	Bristol ...	1026.5	-2	E'N	3	Zo	33	75	6	5	-	9	9	2500	1025.8	+2	NE	2	m	31	85	4	-	-	0	0	-	1	*	ccob	bcabm3	bcabm3	bc3cm3			
	Portland Bill	1023.1	-8	NE	4	c	36	92	7	5	-	10	10	2500	1023.1	-4	NE	4	bc	37	92	7	5	-	-	4.6	4.6	2500	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	Plymouth	1023.8	0	ENE	3	c	34	75	6	5	-	9	9	2500	1023.1	-4	NE	3	bc	37	75	6	5	-	-	4.6	4.6	2500	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	The Lizard	1022.2	+2	ENE	6	c	39	92	8	8	2	-	9	10	1500	1021.5	0	ENE	2	c	40	85	6	8	2	-	9	10	900	1	3	*	ccob	bcabm3	bcabm3	bc3cm3
	Scilly (St. Mary's)	1021.6	-4	E'N	5	c	41	85	7	8	2	-	7.8	10	1500	1021.0	-2	NE'E	5	Zo	39	85	6	5	2	-	7.8	10	1500	1	3	*	ccob	bcabm3	bcabm3	bc3cm3
	Guernsey	1021.6	-4	E'N	5	c	41	85	7	8	2	-	7.8	10	1500	1021.0	-2	NE'E	5	Zo	39	85	6	5	2	-	7.8	10	1500	1	3	*	ccob	bcabm3	bcabm3	bc3cm3
6	Pembroke	1025.1	0	ENE	4	b	36	85	6	-	-	0	0	-	1024.6	-2	ENE	3	Zo	33	85	6	5	-	-	2.3	2.3	3000	1	2	*	ccob	bcabm3	bcabm3	bc3cm3	
7	Holyhead	1026.4	-2	E'N	7	b	39	75	6	1	-	1	0	2.3	-	1026.6	+2	ENE	3	Zo	37	85	6	-	-	0	0	-	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	Chester (Sealand)	1028.9	-4	ESE	2	Zo	39	75	6	5	-	1	0	2.3	-	1028.8	0	-	0	b	29	97	5	-	3	0	0	-	3	*	ccob	bcabm3	bcabm3	bc3cm3		
8	Manchester	1029.3	-2	E	2	Zo	39	65	5	5	-	1	0	2.3	-	1029.4	0	ENE	4	bf	37	75	3	-	-	0	0	-	0	*	ccob	bcabm3	bcabm3	bc3cm3		
10	Spurn Head	1029.9	-2	E'N	5	b	41	65	7	-	-	0	0	-	1029.9	0	E'N	5	bc	39	65	7	4	4	-	2.3	4.6	2500	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	Catterick	1031.7	-10	SE'E	1	b	42	75	8	1	-	1	1	3500	1032.0	+2	-	0	Zo	35	85	6	5	-	-	4.6	4.6	3000	1	4	*	ccob	bcabm3	bcabm3	bc3cm3	
	Tynemouth	1033.1	-4	ESE	5	bc	42	65	8	2	-	4.6	4.6	3200	1033.1	+4	SE	4	bc	41	65	7	2	-	-	4.6	4.6	3000	1	3	*	ccob	bcabm3	bcabm3	bc3cm3	
11	St. Abbs Head	1033.3	-4	SE	5	c	40	65	9	5	2	-	7.8	9	2500	1033.2	+2	SE	4	c	40	65	8	4	4	-	4.6	7.8	2500	0	3	*	ccob	bcabm3	bcabm3	bc3cm3
	Leuchars	1034.3	-6	ESE	4	c	42	65	8	5	-	7.8	9	2500	1034.1	0	E	4	c	41	65	7	5	-	-	7.8	7.8	3200	1	*	ccob	bcabm3	bcabm3	bc3cm3		
12	Renfrew (Abbots L.)	1033.0	-4	E	3	Zo	40	65	6	7	4	6	4.6	7.8	4000	1033.1	0	ENE	2	Zo	36	75	6	-	-	0	0	-	1	*	ccob	bcabm3	bcabm3	bc3cm3		
	Eskdalemuir	1032.4	+2	E'N	2	c	37	65	7	5	-	9	9	1500	1032.9	0	E'N	2	bc	32	85	7	5	-	-	4.6	4.6	1500	1	*	ccob	bcabm3	bcabm3	bc3cm3		
	Point of Ayre	1029.3	-8	SE	6	bc	42	65	8	1	-	5	1	2.3	2500	1029.1	0	SE'E	6	b	40	75	8	5	-	-	7.8	9	1500	1	3	*	ccob	bcabm3	bcabm3	bc3cm3
13A	Tiree	1030.5	0	ESE	4	bc	41	75	8	7	3	-	4.6	7.8	3500	1030.0	0	ESE	4	b	38	85	8	7	-	-	1	1	3500	0	4	*	ccob	bcabm3	bcabm3	bc3cm3
13B	Stornoway	1028.1	-4	SE	2	b	43	65	8	-	4	-	7.8	7.8	6500	1031.9	+2	-	0	b	34	97	7	1	-	-	7.8	4500	3	0	*	ccob	bcabm3	bcabm3	bc3cm3	
15	Dalwhinnie	1033.0	0	SW	2	c	35	75	8	8	-	-	7.8	7.8	2500	1033.5	+2	SSE	2	o	35	75	7	5	1	-	9	10	1500	0	*	ccob	bcabm3	bcabm3	bc3cm3	
	Aberdeen	1035.6	-6	SE'S	3	c	41	65	6	5	-	-	7.8	7.8	2500	1035.5	+2	SSE	3	c	41	65	6	5	-	-	9	9	2500	1	2	*	ccob	bcabm3	bcabm3	bc3cm3
	Wick	1035.8	0	SSE	5	c	42	75	8	5	7	-	7.8	9	1500	1034.8	-2	SSE	5	bc	42	65	7	5	4	-	4.6	4.6	1500	1	3	*	ccob	bcabm3	bcabm3	bc3cm3
16	Lerwick	1037.7	-2	S	5	c	41	92	8	5	7	-	7.8	9	1500	1027.7	0	S'E	4	c	41	75	8	5	7	-	7.8	9	1500	1	*	ccob	bcabm3	bcabm3	bc3cm3	
17	Blacksod Point...	1025.6	-14	E'S	4	bcjp	40	85	7	-	4	-	0	2.3	-	1025.4	+10	ESE	3	c	40	85	7	-	4	-	0	7.8	-	0	2	*	ccob	bcabm3	bcabm3	bc3cm3
18	Malin Head	1028.8	-10	ESE	3	c	40	65	8	5	-	4	2.3	7.8	5700	1028.7	+2	ESE	3	bc	40	65	7	4	-	-	2.3	2.3	4000	0	3	*	ccob	bcabm3	bcabm3	bc3cm3
	Aldergrove	1029.8	-8	E'S	3	Zo	41	65	6	5	-	-	4.6	4.6	2000	1028.5	-8	E'S	5	b	37	65	7	5	-	-	1	1	2500	1						

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 21st December 18h. G.M.T.				01h. G.M.T. 22nd December 07h. G.M.T.							
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h
109	5-	02854	13426	5-	02755	13425	5-	01864	13424	5-	02865
115	7-	01963	12414	51	01861	12313	51	14863	15414	51	14861
203											
206	03	00690	00002	50	00762	00012	50	00861	12301	50	01863
210	54	01863	10313	50	00873	10213	5-	01864	12314	57	02865
220	53	01964	15314	50	01754	16414					
230	74	01851	21539	50	00751	08201	50	00861	08301	50	00861
245	5-	02857	10427	5-	02866	14426	5-	02767	11527	5-	03758
260	5-	02867	08327	50	05661	08311	5-	05666	08326	5-	02767
277	04	01890	08413	00	00790	07500	00	00890	08400	53	01863
279	20	00761	08412								
285	20	01844	08514	20	01634	12514					
288	20	00852	06322	40	00753	04203	5-	05657	04427	5-	02758
273											
301	00	05690	08300	00	05590	08300	5-	05656	07316	5-	05656
321	00	00790	06300	03	05690	07214	5-	02658	39318	5-	02658
299				50	00743	08613	5-	05658	08628	50	02755
292	10	00861	10301	50	00763	06103	5-	02758	09128	5-	02758
310	--	01636	04616								
316	50	00631	07411	04	05590	06303	5-	05557	07317	5-	05658
333	00	00790	08500				50	17652	08502	5-	02757
334											
340	50	17654	08414	03	17590	04301	5-	05657	05207		
136	10	01742	08402				5-	01765	07415	5-	02748
336	26	01753	08414	54	01753	08412					
350										5-	05645
368	10	05561	09411								
379	5-	05647	08427				50	05652	08402	5-	05658
390	00	05690	08413	00	05590	08410	5-	05557	08417	5-	05557
382	00	05590	06320	00	05590	05310	5-	05666	04316	5-	05658
428	50	01644	06314							5-	02647
430	00	05590	06400	07	05590	04417	00	05690	06300	5-	05658
409	5-	05647	04227	5-	05655	04125	5-	05658	06228	00	05690

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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



Mb.
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DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd December.
1 S.E. England	Fresh easterly wind, strong locally. Mainly cloudy, but a few bright intervals. Cold with temperatures near freezing point throughout the day and slightly below freezing point at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh or strong east wind, perhaps gale locally. Cloudy, chance of some slight rain or snow later. Cold with local frost at night.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Fresh easterly wind strong locally. Mainly cloudy but some bright intervals. Cold with local frost at night.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl ^d . B.N.W. Scot- land.	Moderate to fresh, southeasterly wind. Fair but with considerable bright intervals in the west. Average temperature, or rather cold.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As G-12.
19 S. E. Ireland	
20 S. W. Ireland	As 5.

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 to the N.E. of the British Isles. A depression off N.W. Spain is moving eastwards, and troughs associated with it are moving N.E. and may give some rain or snow in extreme southern or southwestern districts later. It will be cold in all districts, with temperature remaining near freezing point all day in the south, and with frost in many places at night.

FURTHER OUTLOOK.
 Little change. Easterly type persisting for several days, with mainly fair cold weather over most of the British Isles.
 Gale warning issued at 0700h on 22nd for districts 5 and 20.

Forecasts issued at 10.30h. G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.
 H.M.S.O. Press, Cornhill 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 22nd December
1940.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded.

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

Fog. ≡ Mist. ≡ Thunder. (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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION

Sunday 22nd December 1940

No. 28,833

[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; 8/6 per quarter; 25/- per year.

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

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 23rd December 1940.
No. 28386.

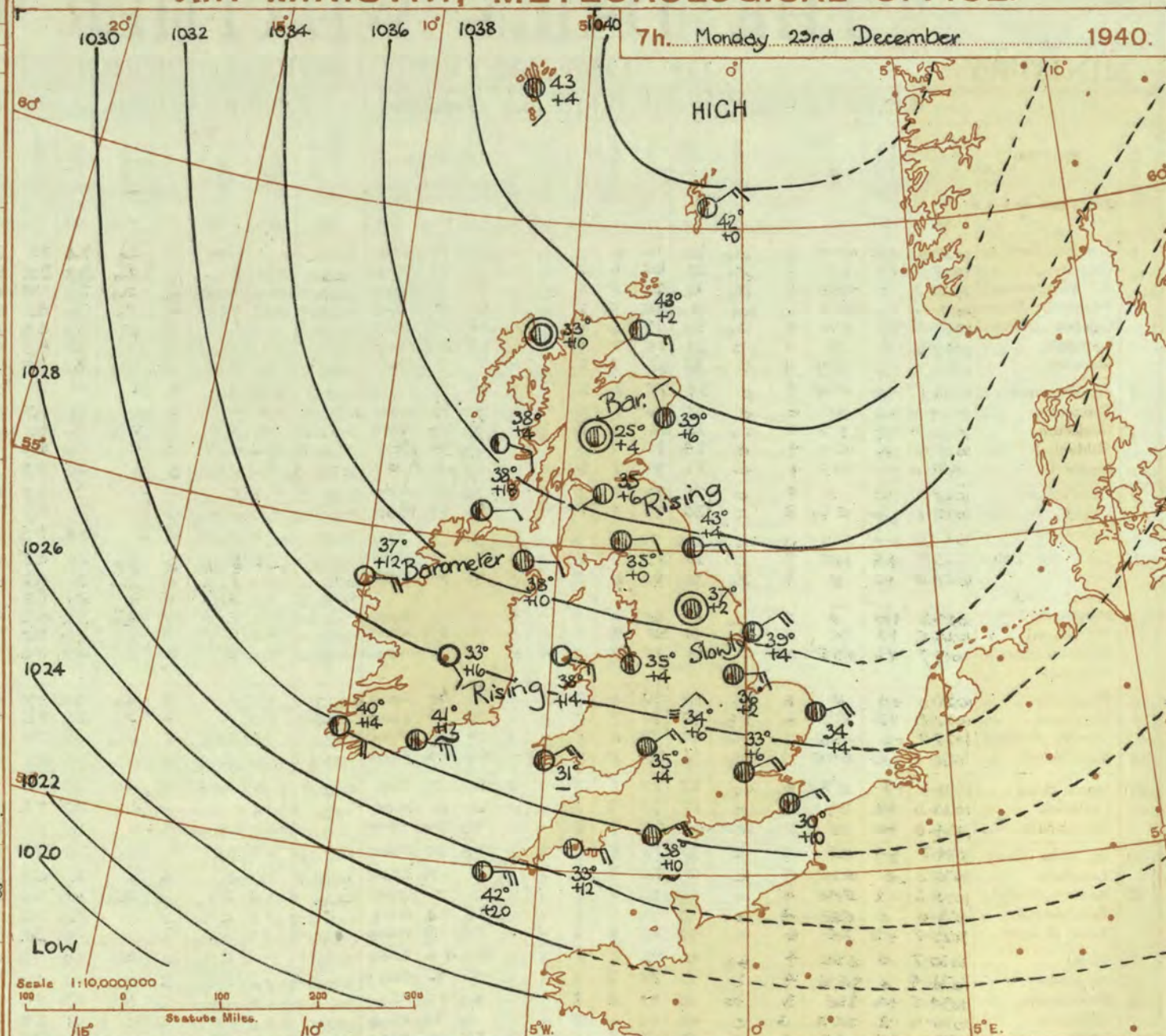
OBSERVATIONS at 13h. G.M.T. 22nd December														OBSERVATIONS at 18h. G.M.T. 22nd December														PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (30)	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 (26)					Height of Base (feet) (28)	7h.—13h. 22nd. (37)	13h.—18h. 22nd. (38)	18h. 22nd to 1h. 23rd (39)	1h.—7h. 23rd. (40)						
1	London (Kew)...	1027.5	+2	ENE	5	N	33	75	6	-	9+	9+	1500	1027.0	+14	ENE	3	20	34	75	6	5	-	10	10	2500	3	*	czo	czo	czo	czo	
	Croydon ...	1027.2	+2	E'S	5	N	31	85	6	-	9+	9+	2000	1028.7	+14	E	5	20	33	75	6	5	-	10	10	2000	3	*	czo	czo	czo	czo	
	S. Farnborough	1027.2	0	ENE	4	N	32	85	5	-	9+	9+	3000	1028.7	+10	ENE	4	20	38	75	6	5	-	10	10	2000	3	*	czo	czo	czo	czo	
	Boscombe Down	1026.6	+2	ENE	3	N	34	85	5	-	9	9	2500	1027.0	+12	NE'E	4	20	30	85	6	5	-	10	10	2500	3	*	czo	czo	czo	czo	
	Calshot (Soton.)	1026.2	+2	EIN	4	N	32	75	6	-	7-8	7-8	3000	1027.0	+10	EIN	3	20	33	85	6	4	-	10	10	3500	3	2	czo	czo	czo	czo	
	Lympe	1027.0	0	E	5	C	31	75	7	1	-	7-8	7-8	1500	1028.1	+14	ENE	4	20	30	85	6	5	-	10	10	2100	3	2	czo	czo	czo	czo
	Manston	1027.7	+2	EIN	4	C	32	85	7	5	-	9	9	1400	1028.0	+6	ENE	3	20	32	85	6	5	-	10	10	1200	3	2	czo	czo	czo	czo
2	Shoeburyness ...	1028.1	0	EIN	4	C	34	75	8	5	-	9+	9+	2500	1029.1	+8	E	5	35	75	8	5	-	10	10	1500	0	*	czo	czo	czo	czo	
	Felixstowe	1029.0	+2	E	6	C	35	65	7	5	-	9+	9+	1000	1029.0	+8	EIN	6	35	65	7	5	-	10	10	2200	1	3	czo	czo	czo	czo	
	Gorleston	1030.9	+4	E'S	5	N	35	85	6	8	-	9+	9+	1500	1031.5	+6	EIN	5	30	85	6	8	-	10	10	1500	0	4	czo	czo	czo	czo	
	Mildenhall	1029.4	+2	EIN	4	C	34	85	8	5	-	9+	9+	1800	1030.8	+12	EIN	5	35	85	7	5	-	10	10	1600	3	*	czo	czo	czo	czo	
	Cranwell	1031.0	+6	ESE	4	C	33	75	7	5	-	10	10	2500	1032.5	+14	ESE	3	33	85	7	5	-	10	10	2500	3	*	czo	czo	czo	czo	
3	Birmingham	1027.1	10	E	4	0	31	75	5	5	-	10	10	1500	1034.5	+18	E	4	31	75	5	5	-	10	10	1500	3	*	czo	czo	czo	czo	
	Upper Heyford	1028.1	0	EIN	3	C	32	75	7	5	-	9+	9+	1800	1029.8	+12	EIN	4	31	85	7	5	-	10	10	2000	3	*	czo	czo	czo	czo	
4	Ross-on-Wye ...	1027.8	+6	EIN	3	C	32	75	6	5	-	9+	9+	2500	1029.0	+10	ENE	4	32	75	6	5	-	10	10	1500	3	*	czo	czo	czo	czo	
5	Hartland Point	1023.9	+8	NE	5	C	32	85	7	5	-	9	9	2500	1025.1	+10	ENE	5	30	31	85	6	5	-	10	10	2500	3	3	czo	czo	czo	czo
	Bristol ...	1027.0	+2	E	4	N	32	85	6	5	-	9+	9+	2200	1028.4	+10	EIN	4	30	31	85	6	5	-	10	10	1800	3	*	czo	czo	czo	czo
	Portland Bill ...	1027.0	+2	E	4	N	32	85	6	5	-	9+	9+	2200	1028.4	+10	ENE	5	30	31	85	6	5	-	10	10	2500	1	4	czo	czo	czo	czo
	Plymouth	1023.3	+10	E	5	N	35	85	6	8	-	10	10	1600	1025.5	+10	ENE	5	30	31	85	6	5	-	10	10	1500	0	2	czo	czo	czo	czo
	The Lizard	1020.5	+2	E	7	C	40	85	8	8	2	7-8	9+	2500	1022.0	+10	E	7	40	92	7	8	-	10	10	2000	1	4	czo	czo	czo	czo	
	Scilly (St. Mary's)	1019.7	+6	ESE	5	C	41	75	7	8	2	7-8	9+	1500	1021.4	+16	E	5	42	75	7	8	-	10	10	1500	1	3	czo	czo	czo	czo	
	Guernsey	1019.7	+6	ESE	5	C	41	75	7	8	2	7-8	9+	1500	1021.4	+16	E	5	42	75	7	8	-	10	10	1500	1	3	czo	czo	czo	czo	
6	Pembroke	1025.0	+4	E	6	C	35	92	6	8	-	9+	9+	3000	1027.0	+2	EIN	4	32	97	6	-	7	-	0	0	-	3	2	czo	czo	czo	czo
7	Holyhead	1027.6	+2	E'S	6	bc	37	85	7	1	-	9+	9+	3000	1028.8	+10	E	6	35	85	6	-	-	-	0	0	-	1	4	czo	czo	czo	czo
	Chester (Sealand)	1029.9	-6	ESE	2	N	35	75	6	5	-	9+	9+	2800	1031.6	+18	ESE	2	35	75	6	5	-	10	10	2500	1	*	czo	czo	czo	czo	
8	Manchester	1030.5	+10	ENE	4	N	36	65	5	5	-	4-6	4-6	2200	1032.0	+14	EIN	4	36	65	5	5	-	10	10	2500	3	*	czo	czo	czo	czo	
10	Spurn Head	1031.5	+8	E'S	6	cq	37	85	7	5	-	9+	9+	1500	1032.8	+8	ENE	5	35	75	7	5	-	10	10	1500	1	4	czo	czo	czo	czo	
	Catterick	1033.3	+2	E'S	2	C	37	75	8	5	-	10	10	3000	1034.7	+6	-	0	37	75	7	5	-	10	10	2000	0	1	czo	czo	czo	czo	
	Tynemouth	1034.0	+6	SE	5	C	40	75	7	8	-	9+	9+	1800	1034.5	+8	E	5	41	75	8	8	-	10	10	2400	1	4	czo	czo	czo	czo	
11	St. Abbs Head	1034.7	+4	SE	4	C	39	75	8	5	2	7-8	9+	2500	1034.4	-2	SE	4	39	75	8	4	-	10	10	2500	0	3	czo	czo	czo	czo	
	Leuchars	1035.3	0	ESE	4	C	41	65	8	5	7	9	9+	3500	1036.2	+10	E	2	41	65	8	5	-	10	10	2500	1	*	czo	czo	czo	czo	
12	Renfrew (Abbots I.)	1033.6	-2	ENE	4	C	40	65	7	7	-	9	9	3500	1034.2	+8	E	4	39	65	6	5	-	10	10	3000	1	*	czo	czo	czo	czo	
	Eskdalemuir	1033.0	0	ESE	4	C	37	75	7	8	-	7-8	7-8	1500	1033.7	+6	E'S	4	35	75	7	5	-	10	10	1500	0	3	czo	czo	czo	czo	
	Point of Ayre	1029.7	+8	SE	6	C	38	75	8	5	-	7-8	7-8	2500	1031.3	+16	SSE	6	38	85	8	8	-	10	10	1500	0	3	czo	czo	czo	czo	
13a	Tiree ...	1030.7	0	ESE	4	bc	41	75	8	7	-	4-6	4-6	3500	1031.1	+4	EIS	4	40	75	8	2	-	10	10	3500	0	3	czo	czo	czo	czo	
13b	Stornoway	1033.4	0	SE'E	4	b	42	75	8	1	-	7	7	4500	1033.9	+6	ESE	5	41	75	7	-	-	-	0	0	-	5	2	czo	czo	czo	czo
15	Dalwhinnie	1034.5	+2	SSE	3	bc	35	75	8	2	-	4-6	4-6	2500	1036.0	-2	WNW	3	35	75	8	8	-	10	10	2500	0	*	czo	czo	czo	czo	
	Aberdeen	1036.6	-2	SEIS	3	C	41	65	6	5	-	9+	9+	2500	1037.1	+6	SE	3	41	65	6	5	-	10	10	2500	1	2	czo	czo	czo	czo	
	Wick	1037.2	+2	SE	4	C	42	75	8	5	7	7-8	10	2500	1037.5	+6	SE	4	42	75	8	5	7	-	10	10	2500	1	2	czo	czo	czo	czo
16	Lerwick...	1040.0	+2	SE	3	C	40	85	8	5	7	7-8	9	1500	1039.8	0	E	3	40	75	8	5	-	10	10	1500	1	*	czo	czo	czo	czo	
17	Blacksod Point...	1025.0	-14	E	6	bcq	39	85	7	-	4	0	4-6	-	1025.6	+18	ESE	4	36	85	7	-	-	-	0	2-3	-	0	3	czo	czo	czo	czo
18	Malin Head	1029.3	+2	SE	5	C	40	55	7	5	-	2	4-6	7-8	2500	1030.4	+14	SE	4	40	65	8	5	-	10	10	4000	0	2	czo	czo	czo	czo
	Aldergrove	1029.6	+6	E'S	5	N	37	65	6	5	-	7-8	7-8	3500	1030.5	+10	EIS	5	37	75	6	5	-	10	10	2500	3	*	czo	czo	czo	czo	
19	Birr Castle	1025.3	+2	ESE	1	C	35	75	8	5	-	9	9	1500	1027.3	+14	SE	2	32	85	8	5	-	10	10	2500	1	3	czo	czo	czo	czo	
20	Valentia Obsy. †	1021.1	+4	ESE	4	C	39	65	8	7	-	9+	9+	2500	1021.4	+14	EIS	6	43	75	7	5	-	10	10	2500	0	4	czo	czo	czo	czo	
	Roches Point ...	1022.3	-4	E	6	yps	40	65																									

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 22nd December 18h. G.M.T.				01h. G.M.T. 23rd December 07h. G.M.T.							
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h
109	5-	03858	11328	5-	03858	12228	5-	02864	12324	5-	03857
115	51	14864	47414	51	01864	08315	51	01863	08414	51	01864
203											
206	50	01863	08313	50	00862	10412	00	00860	10200	5-	02857
210	53	02866	08226	5-	02866	09226	5-	01864	16114		
220	20	01963	15403								
230	80	01853	09313	50	01862	08312	50	00861	08301	00	00850
245	5-	02857	10527	5-	03853	08628	5-	02857	01227	5-	03858
260	50	05664	08414	5-	05667	09327	5-	0276-	08128	5-	51758
277	70	01863	09513	5-	02766	08416	50	00761	08401	00	00850
279	50	01855	08325								
285										5-	03758
288	5-	02867	08327	5-	02858	07228	5-	02758	07128	5-	02758
273											
301	50	05654	10414	50	05663	10413	50	05552	00002	5-	05656
321	5-	02758	08428	5-	02658	08328	5-	02658	02228	5-	02656
299	52	02745	08628	5-	01745	08515	5-	05657	08427	5-	02747
292	5-	51859	10228	5-	02758	00058	5-	02758	06128	5-	02757
310										--	48200
316	5-	02757	08427	5-	02658	07328	5-	05658	08328	5-	05557
338	50	17753	09523	00	05690	08500	50	05661	08601	50	00762
334											
340	5-	02757	08427	5-	05657	08327	5-	05648	04228		
136	5-	02757	08427	5-	02758	08428	5-	02758	06328	5-	02758
336										2+	02754
350	5-	05648	06428								
368	50	05657	06527								
379	5-	05658	08428	5-	05657	08427	5-	05647	08427	5-	05648
390	5-	05657	08427	5-	05648	07428	5-	05648	08428	5-	05655
382	5-	05657	07327	5-	05655	07425	5-	05658	06328	5-	05658
438	8-	02648	04515							02	02647
430	50	05655	08415	50	05651	06411	5-	05658	06428	5-	05658
409	5-	05647	07427	5-	05652	04322	50	05651	07411	00	05690

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_M = 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. Monday 23rd December 1940
1 S.E. England	Moderate E. wind backing towards N.E.; cloudy, with a few very slight scattered wintry showers; still rather cold, but temperature rising somewhat.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate E. wind backing N.E.; cloudy, with few slight wintry showers; rather cold.
6 South Wales ...	
7 North Wales ...	Fresh E. wind, strong locally at first, moderating; fair; rather cold.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Moderate to light E. to N.E. wind; cloudy; a few slight wintry showers; rather cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate or light E. to N.E. wind; fair; rather cold.
13 { A.W.Scotld. B.N.W.Scot-land.	
14 Mid Scotland	Light variable winds; fair; average temperature or rather cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland	
18 N. E. Ireland	As 5
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 to the N.E. of Scotland will move slightly westwards. Weather over the British Isles will remain fair apart from a few slight scattered wintry showers, and will become somewhat less cold than of late.

FURTHER OUTLOOK.

Continuing mainly fair and rather cold.

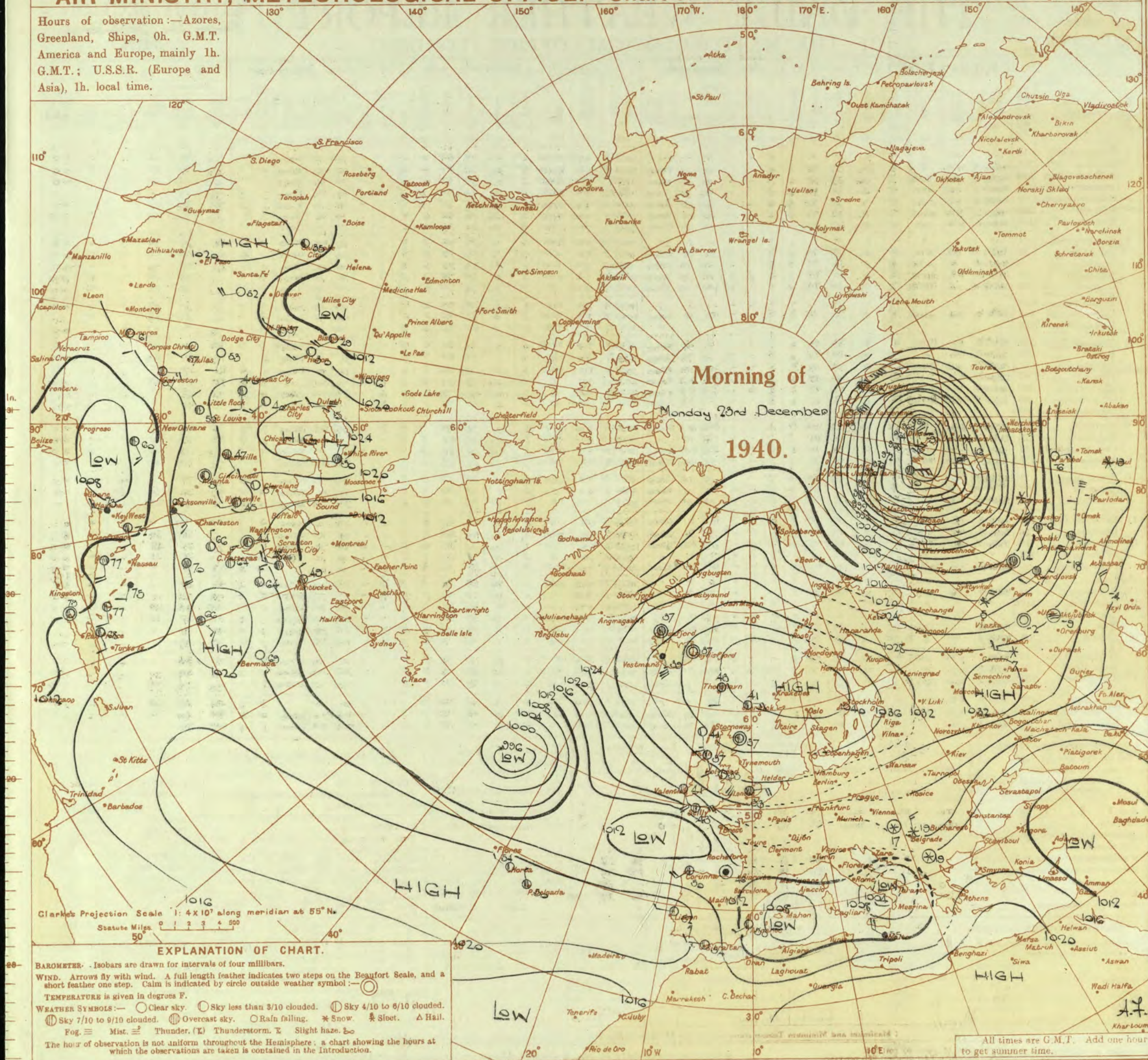
Forecasts issued at 1330h G.M.T.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Monday 23rd December 1940.
 No. 28886

OBSERVATIONS at 1 hr. G.M.T. 23rd December.														OBSERVATIONS at 7 hr. G.M.T. 23rd December.														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.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	TEMPERATURE.					RAINFALL.		SUNSHINE Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Tuesday 24th December, 1940.
 No. 28887

OBSERVATIONS at 13h. G.M.T. 23rd. December.														OBSERVATIONS at 18h. G.M.T. 23rd. December.														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. mb. (1)	Change in at 3 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	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.					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. (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. 23rd. (37)	13h.—18h. 23rd. (38)	18h.—24h. 1h. 24th. (39)	1h.—7h. 24th. (40)	
1	London (Kew)...	1033.3	+4	NE	4	20	33	75	5	-	-	9+	9+	1500	1033.4	+4	NE	3	20	33	75	6	5	-	-	10	10	1500	1	*	C20	C20	C20	C20	
	Croydon ...	1032.6	0	ENE	4	20	32	75	5	-	-	10	10	2500	1032.8	+4	NE	3	m	32	85	4	5	-	-	10	10	3000	*	*	C20	C20	C20	C20	
	S. Farnborough	1033.2	0	NE	3	20	33	75	6	5	-	10	10	2100	1033.5	+2	NNE	2	20	32	75	5	5	-	-	10	10	2100	3	*	C20	C20	C20	C20	
	Boscombe Down	1033.1	+6	NE	3	20	33	75	7	5	-	9+	9+	1600	1033.5	+2	N/E	4	20	30	85	6	5	3	-	3	3	2000	3	*	C20	C20	C20	C20	
	Calshot (Soton.)	1032.3	+6	ENE	3	20	36	65	5	-	-	9+	9+	2500	1032.8	+6	NNE	3	20	32	75	5	5	3	-	2	2	2500	3	2	C20	C20	C20	C20	
	Lympne ...	1032.0	-2	NE	2	20	31	75	7	5	-	10	10	1800	1032.1	+2	NE	2	c	30	75	8	5	-	-	9+	9+	1800	3	*	C20	C20	C20	C20	
	Manston ...	1032.3	-4	NE	3	20	31	85	7	5	-	9+	9+	1800	1032.3	+2	NE	1	20	31	85	6	5	-	-	9+	9+	2500	3	*	C20	C20	C20	C20	
2	Shoeburyness ...	1033.1	+2	N/E	2	20	33	75	8	5	-	10	10	1500	1033.3	0	N/E	2	16	33	85	7	5	-	-	10	10	2500	0	*	C20	C20	C20	C20	
	Felixstowe ...	1032.9	-2	NE	3	20	33	75	7	5	-	10	10	2000	1032.8	-4	N	2	18	33	85	6	5	-	-	10	10	2000	0	1	C20	C20	C20	C20	
	Gorleston ...	1033.9	-2	NE	2	20	34	75	7	5	4	-	4-6	7-8	1500	1032.3	-4	ENE	1	c	36	85	5	5	-	-	10	10	1200	0	1	C20	C20	C20	C20
	Mildenhall ...	1034.0	-2	NE	3	20	34	75	7	5	3	-	4-6	7-8	3000	1033.1	-6	CONV	2	20	33	85	6	5	-	-	10	10	2000	3	*	C20	C20	C20	C20
	Cranwell ...	1034.0	-2	ENE	3	20	37	75	6	5	-	7-8	7-8	2000	1034.3	-2	NNW	3	20	37	92	6	5	-	-	10	10	2000	0	*	C20	C20	C20	C20	
3	Birmingham	1034.7	+8	ENE	3	20	35	75	5	5	-	10	10	1500	1034.7	+2	N	2	cft	35	85	3	-	2	-	0	10	-	1	*	ofc	C20	C20	C20	
	Upper Heyford	1034.3	+6	ENE	3	20	32	75	8	5	-	10	10	1800	1034.2	0	NE	2	20	32	85	6	5	-	-	10	10	2200	3	*	C20	C20	C20	C20	
4	Ross-on-Wye ...	1034.0	+8	ENE	3	20	35	75	7	5	-	10	10	2500	1034.5	0	N	2	20	33	75	5	5	-	-	2-3	2-3	1500	3	*	C20	C20	C20	C20	
5	Hartland Point	1032.1	+10	ENE	4	20	34	75	7	7	-	2-3	2-3	3000	1033.7	+10	NE	7	b	33	85	7	-	-	-	0	0	-	3	2	bc	bc	bc	bc	
	Bristol ...	1034.0	+6	ENE	3	20	33	85	7	5	-	9+	9+	2000	1034.6	+4	ENE	2	20	31	85	6	5	3	-	2-3	2-3	3000	3	*	C20	C20	C20	C20	
	Portland Bill ...	1032.6	+10	ENE	4	20	35	32	7	5	-	9	9	2500	1032.7	+4	ENE	3	bc	32	92	7	5	-	-	4-6	4-6	2500	1	3	C20	C20	C20	C20	
	Plymouth ...	1032.2	+6	NE	5	20	35	75	7	7	-	7-8	7-8	3000	1033.6	+10	NE	3	m	32	85	4	-	-	-	0	0	-	3	1	bbm	bc	bc	bc	
	The Lizard ...	1030.5	+4	E	4	20	35	85	8	6	-	4-6	4-6	2600	1032.12	+10	ENE	5	c	37	85	7	8	6	-	7-8	7-8	2000	0	3	C20	C20	C20	C20	
	St. Mary's ...	1030.5	+10	E	4	20	42	75	7	8	1	-	7-8	7-8	1500	1032.2	+8	NE	4	c	38	75	7	8	6	-	4-6	4-6	1500	1	3	C20	C20	C20	C20
	Guernsey ...	1030.5	+10	E	4	20	42	75	7	8	1	-	7-8	7-8	1500	1032.2	+8	NE	4	c	38	75	7	8	6	-	4-6	4-6	1500	1	3	C20	C20	C20	C20
6	Pembroke ...	1033.9	0	E	3	20	38	75	8	5	6	-	2-3	2-3	4500	1035.2	+8	NE	3	bc	35	85	6	5	-	-	4-6	4-6	3500	1	2	bc	bc	bc	bc
7	Holyhead ...	1034.4	+2	ENE	4	20	40	85	5	-	-	9+	9+	2900	1035.5	+12	E	3	20	35	85	6	-	-	1	0	Tr	-	1	2	*	C20	C20	C20	
	Chester (Sealand)	1035.5	-2	ENE	4	20	38	85	7	5	-	9+	9+	2900	1036.2	+8	NW	1	c	33	97	2	5	-	-	9+	9+	2600	1	*	C20	C20	C20	C20	
8	Manchester ...	1035.3	+0	NE	2	m/f	40	75	4	5	-	7-8	7-8	3500	1035.8	+6	N/E	2	cft	30	85	4	5	3	-	-	9	9	3500	1	*	C20	C20	C20	C20
10	Spurn Head ...	1034.7	-2	NE	2	20	41	75	7	5	4	-	9	10	4000	1033.7	-2	NW	4	0	41	85	7	5	-	-	10	10	2500	1	3	C20	C20	C20	C20
	Catterick ...	1036.4	-2	N	2	20	41	85	6	5	-	10	10	2500	1036.6	0	N	2	20	40	85	5	5	-	-	10	10	1600	0	4	C20	C20	C20	C20	
	Tynemouth ...	1037.6	0	NE	3	20	48	45	6	8	-	9+	9+	3200	1036.5	-4	NNE	4	c	42	85	8	8	-	-	9+	9+	2800	0	2	C20	C20	C20	C20	
11	St. Abbs Head	1037.3	0	NE	3	20	41	75	8	5	2	-	7-8	10	3000	1037.2	0	NNE	2	c	41	85	8	5	2	-	7-8	10	2500	0	1	C20	C20	C20	C20
	Leuchars ...	1037.9	-2	NNE	2	20	42	85	7	5	-	10	10	3200	1036.1	+2	-	0	c	41	85	7	5	-	-	10	10	2500	1	*	C20	C20	C20	C20	
12	Reufrow (Abbots L.)	1038.1	+2	NE	2	20	42	75	5	5	-	9+	9+	3500	1038.6	+6	ENE	2	m	41	85	4	5	-	-	10	10	2100	1	*	C20	C20	C20	C20	
	Eskdalemuir ...	1037.2	0	ENE	3	20	43	85	8	4	4	-	10	10	1500	1037.2	0	NE	2	c	37	85	7	5	-	-	10	10	1500	0	*	C20	C20	C20	C20
	Point of Ayre ...	1036.2	0	E	2	20	43	85	8	4	4	-	Tr	1	-	1037.2	0	NE	2	c	37	85	7	5	-	-	10	10	1500	0	*	C20	C20	C20	C20
13A	Tiree ...	1037.5	+2	ESE	1	20	43	75	8	1	-	1	1	3500	1038.2	+2	-	0	bc	37	92	8	5	-	-	2-3	2-3	3500	3	1	bc	bc	bc	bc	
13B	Stornoway ...	1036.6	+6	-	0	0	30	85	6	1	5	-	Tr	1	3500	1038.7	0	-	0	bc	35	92	7	5	-	-	Tr	1	3500	5	0	bc	bc	bc	bc
15	Dalwhinnie ...	1038.3	0	NW	1	20	33	85	5	5	-	10	10	2500	1038.7	+4	-	0	bc	32	97	6	5	-	-	10	10	1500	1	*	C20	C20	C20	C20	
	Aberdeen ...	1038.3	0	NW	1	20	41	85	6	5	-	10	10	2500	1038.8	+2	N	2	c	41	85	6	5	-	-	10	10	2500	1	2	C20	C20	C20	C20	
	Wick ...	1030.0	+2	E	2	20	43	75	8	5	7	-	7-8	9+	2500	1039.4	+2	ENE	2	c	43	75	7	5	7	-	7-8	10	2500	0	1	C20	C20	C20	C20
16	Lerwick ...	1039.3	-4	NEE	3	20	43	75	8	5	3	-	7-8	9+	1800	1039.9	0	NE	4	c	43	75	8	5	7	-	7-8	10	1500	1	*	C20	C20	C20	C20
17	Blacksod Point...	1035.5	+8	ESE	3	20	39	92	7	-	-	0	0	-	1036.7	+14	ESE	2	b	38	85	7	-	-	-	0	0	-	3	2	bc	bc	bc	bc	
18	Malin Head ...	1037.2	+4	E	1	20	41	75	8	5	-	9	9	4000	1038.1	+10	-	0	c	39	75	8	8	-	-										

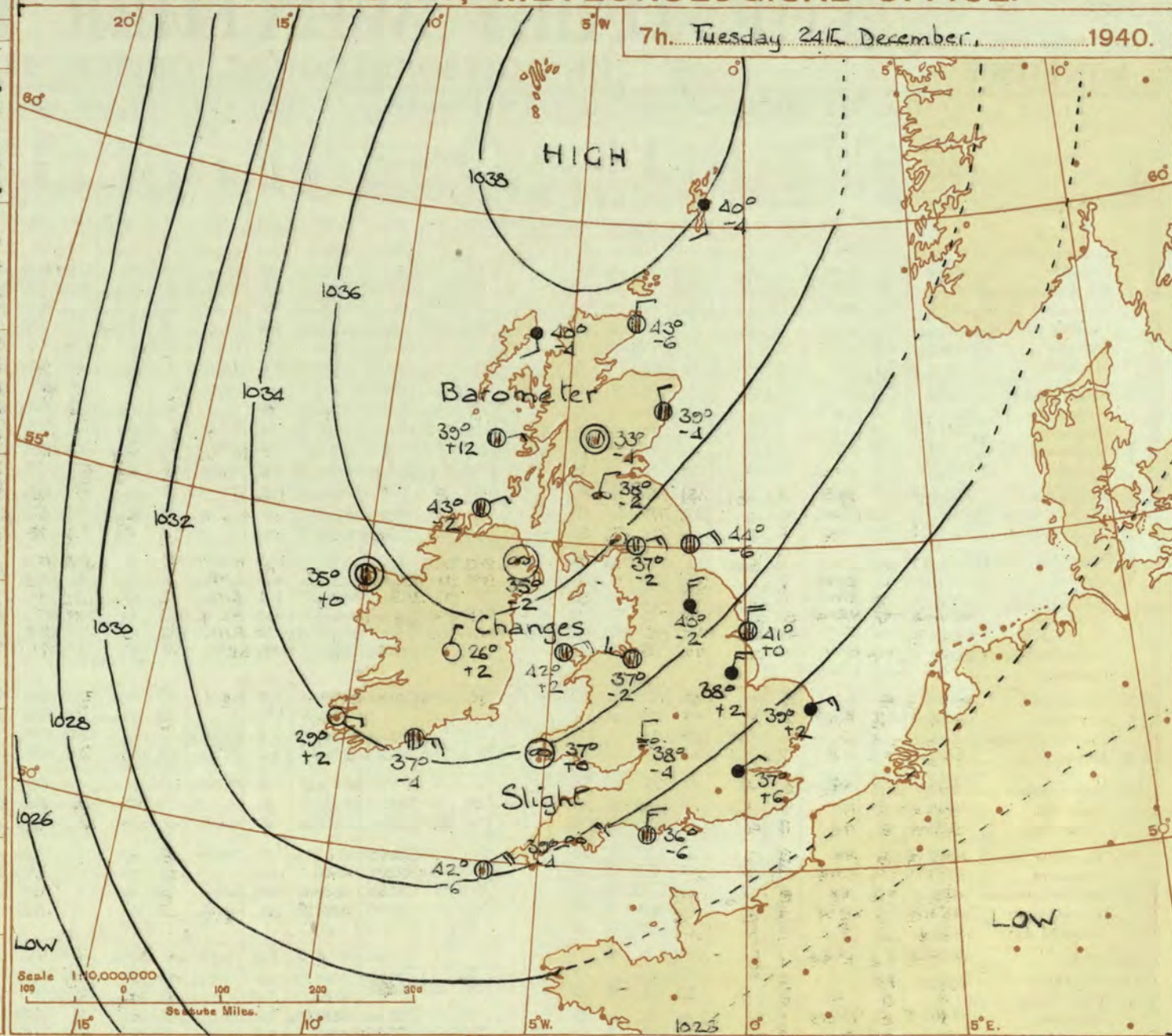
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 23rd December							18h. G.M.T.			01h. G.M.T. 24th December							07h. G.M.T.		
III _{C, C_M}	wwVhN _h	DDFWN	C _{L, C_M}	wwVhN _h	DDFWN		C _{L, C_M}	wwVhN _h	DDFWN	C _{L, C_M}	wwVhN _h	DDFWN	C _{L, C_M}	wwVhN _h	DDFWN				
109	5-	02057	09127	5-	02848	00028	5-	03858	08228	5-	03858	06228							
115	54	01863	08114	51	01863	12214	52	03858	12228	52	03858	16128							
203				1-	00962	06112	8-	03958	08228	5-	01958	08168							
206	52	05646	28128	5-	05658	08158	5-	05648	00028	5-	52648	00058							
210	5-	02868	20228	5-	05668	22228	5-	05658	18228		5-	51648	18258						
220				40	01753	00003					54	05658	12118						
230	5-	02566	00016	5-	05658	00028	5-	05658	06128	5-	05658	06228							
245	5-	02747	02227	5-	05658	02328	5-	03758	32228	5-	51658	31358							
260	5-	05557	04127	5-	05658	00028	5-	05658	02228	5-	05658	32228							
277	5-	02866	06226	50	01763	04213	5-	02846	00026	5-	02758	26228							
279	5-	05658	08315	5-	05658	03228	5-	05658	32128	5-	02757	32227							
285	5-	02637	08227	5-	03638	32328				6-	54438	24358							
288	5-	02768	04228	5-	17358	02328	51	51654	02458	5-	51548	32358							
273	53	05653	07206							00	02690	06200							
301	5-	02765	08325	00	47190	00040	5-	08464	32144	5-	08466	32126							
321	5-	05658	02128	5-	05667	30227	5-	52558	31378		62538	31168							
299	5-	02758	04328	5-	02758	32428					5-	02758	02558						
292	5-	02857	03227	5-	02758	32128	5-	21646	32356	5-	21658	01378							
310				--	02528	04328				--	02536	04326							
316	5-	05657	03227	5-	41458	32348	5-	52548	32358	5-	21548	32358							
338	00	00890	08400	03	05690	00004	50	05664	00004	50	00751	24121							
334																			
340	5-	05667	06327	50	08458	32228	5-	05558	32128	5-	05668	32328							
136	5-	02765	06226	5-	05658	04328	8-	25744	04384										
336	54	02754	08327	51	02754	08426					51	03754	04428						
350	5-	02758	03428								51	61645	02268						
368	5-	05657	08327																
379	5-	02758	08328	5-	05658	04328	50	68648	06368	5-	62608	06368							
390	5-	05648	03328	5-	05548	02128	52	05548	32378	5-	05648	01358							
382	5-	02758	06228	5-	05668	32128	51	61658	32367	5-	62658	02368							
438	5-	02646	04426								5-	02747	06477						
430	5-	02746	06426	50	08453	02213	5-	71558	02278	6-	63548	32368							
409	00	05690	04100	00	05690	03200	50	05664	06104	53	05644	05226							

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_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).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 24th December, 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 24th December, 1940.
1 S.E. England	Light or moderate N.E. winds; dull, with occasional slight rain or drizzle in most districts, but no precipitation on western sides of large hill masses; rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
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	Light, variable, mainly E. or N.E. wind; fair; 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 anticyclone centred to the N.W. of Scotland is almost stationary, and a rather moist N.E.ly current of air is spreading across the British Isles. It will be mainly dull in all districts, with occasional slight rain or drizzle in the Eastern half of the country. Temperatures will be somewhat higher than of late, but still below the seasonal average.

FURTHER OUTLOOK.

No great change indicated

Forecasts issued at 1030h G.M.T.

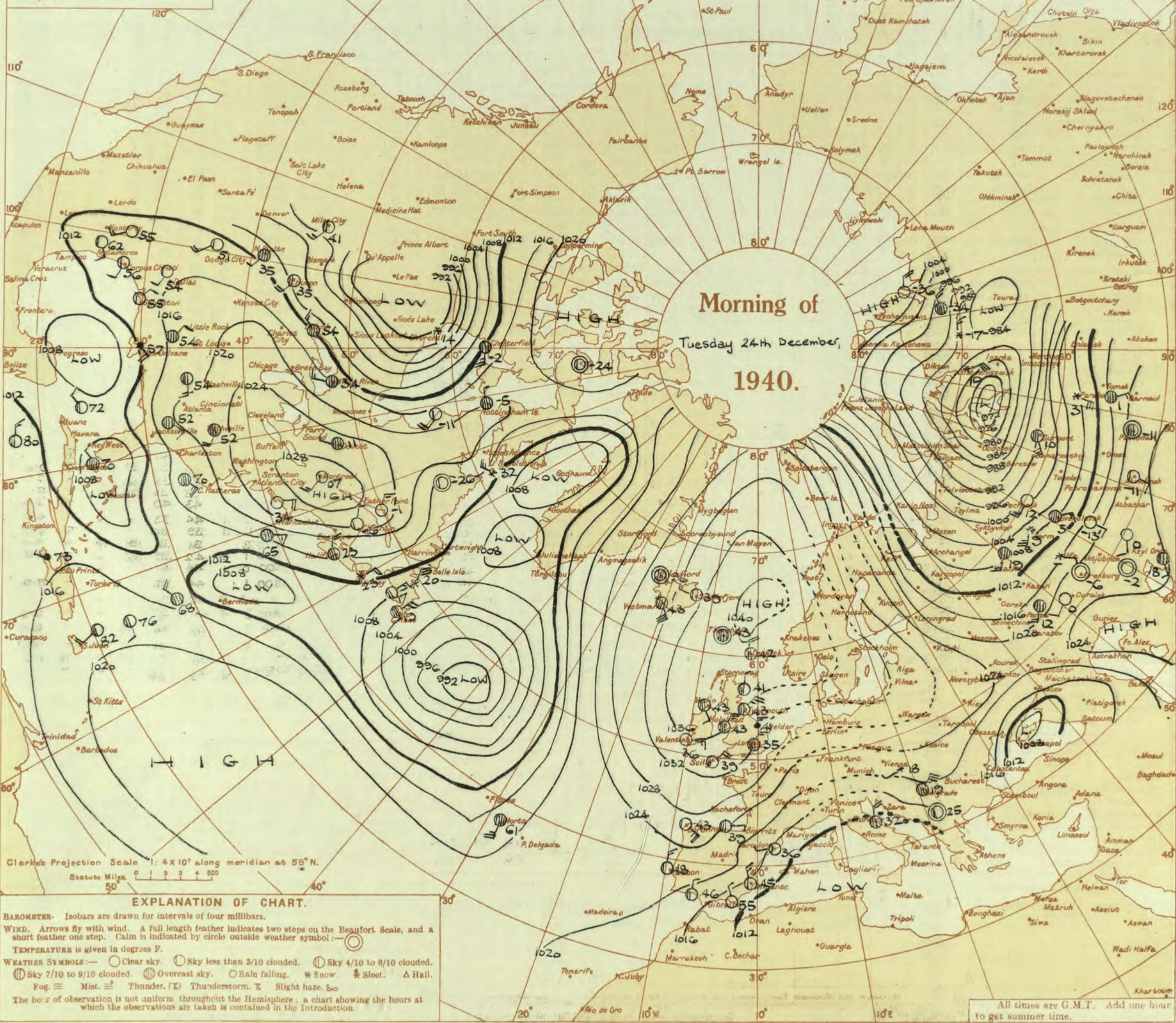
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.W.S.O. Press, Cornhill House, E.C.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
Tuesday 24th December,
1940.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 24th December														OBSERVATIONS at 7 hr. G.M.T. 24th December														PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud. (9-14)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud. (23-28)					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE. (31-33)			RAINFALL. (34-35)		SUNSHINE 24th Hrs. (36)	
					Direc.	Force. 0-12 (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Total 0-10 (12)	Form. (23)			Amount. (24)	Height of Base. (feet) (25)					Total 0-10 (26)	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	1030.6	-12	NNE	3	z	35	92	5	5	-	-	9+	9+	2000	1030.3	+4	NNE	3	z	38	85	6	5	-	-	10	10	2500	1	*	34	32	31	-	0.1	0.0
	Croydon ... 226	1031.2	-10	NW/N	2	z	35	92	5	5	-	-	10	10	3500	1031.2	+4	NNE	2	z	37	85	5	5	-	-	10	10	3500	1	*	33	31	29	-	0.1	0.0
	S. Farnborough ... 417	1032.4	-4	NNW	2	z	35	92	5	5	-	-	10	10	2500	1031.7	0	NNE	4	z	36	92	6	5	-	-	9+	9+	1000	3	*	33	30	27	-	Tr	0.0
	Boscombe Down ... 8	1031.3	-12	NNW	3	z	34	85	5	5	-	-	10	10	1800	1030.7	+2	NNE	3	z	38	85	6	5	-	-	10	10	3100	1	2	36	32	28	-	Tr	0.2
	Calshot (Stmntn.) ... 346	1028.7	-22	WNW	2	id.	34	85	4	2	-	-	10	10	400	1030.5	+4	ENE	2	z	33	85	6	5	-	-	10	10	1000	3	8	32	29	29	-	0.3	0.0
	Lympe ... 154	1029.0	-14	NEE	4	z	38	92	6	6	2	-	9	10	500	1030.6	+10	ENE	2	z	34	92	6	5	-	-	10	10	3000	*	*	*	*	*	*	*	
2	Shoeburyness ... 11	1030.3	-6	NE/N	3	pr	38	85	6	8	-	-	9+	9+	1700	1031.2	+8	E	3	o/f	36	92	7	5	-	-	10	10	2500	1	*	35	31	31	Tr	0.1	0.0
	Felixstowe ... 15	1030.8	-4	ENE	4	ir	40	85	6	6	-	-	10	10	1500	1030.5	+2	ENE	3	ir	39	97	6	8	-	-	10	10	1500	1	2	36	34	33	-	1	0.4
	Gorleston ... 19	1031.3	-6	NW	2	z	37	92	6	5	-	-	4+	4+	2500	1031.4	+2	NNE	2	z	37	85	6	5	-	-	7-8	10	3400	1	*	35	33	31	-	Tr	0.3
	Mildenhall ... 240	1033.3	-6	N	3	d.o.	39	97	5	5	-	-	10	10	1500	1032.7	+2	NNE	3	o/f	38	97	5	5	-	-	10	10	1500	1	*	35	37	36	-	0.6	0.0
3	Birmingham ... 535	1032.6	-6	NNE	3	z	36	97	6	5	-	-	10	10	3000	1032.3	-2	NNE	2	rf	30	97	3	6	-	-	10	10	800	1	*	35	35	33	-	0.2	0.0
	Upper Heyford ... 408	1032.6	-6	NNE	3	z	36	97	6	5	-	-	10	10	3000	1032.1	0	NNE	3	pr	37	92	6	8	-	-	9+	9+	1500	1	*	33	32	31	-	1	*
4	Ross-on-Wye ... 223	1032.7	-4	N	2	m	38	92	4	5	-	-	10	10	800	1032.7	-4	N	2	m	38	92	4	5	-	-	10	10	800	1	*	35	33	27	-	0.1	0.1
5	Hartland Point ... 299	1033.3	+2	ENE	2	bc	37	85	7	5	-	-	2-3	2-3	2500	1032.1	-4	NNE	3	c	41	85	7	8	-	-	7-8	9	1500	0	2	34	31	27	-	-	6.0
	Bristol ... 209	1033.6	-6	NNE	2	z	36	85	5	5	-	-	10	10	2000	1032.6	-14	NE	3	d.o.	37	97	4	2	-	-	10	10	900	1	*	34	30	18	-	0.1	0.2
	Portland Bill ... 32	1031.7	-10	NE	3	c	32	92	7	5	-	-	10	10	2500	1030.5	-6	N	3	c	36	92	7	5	-	-	10	10	2500	1	3	35	30	*	-	-	*
	Plymouth ... 82	1033.3	-2	NE	3	z	37	85	6	5	-	-	7-8	7-8	2500	1032.3	-4	NE	3	z	39	85	6	5	-	-	9	9	2500	3	1	36	30	22	-	-	5.8
	The Lizard ... 240	1032.6	-6	ENE	5	bc	38	75	8	8	-	-	4-6	4-6	2000	1032.3	-6	NEE	4	c	42	75	7	8	-	-	9+	9+	1800	0	3	42	35	*	-	-	0.0
	Scilly (St. Mary's) ... 163	1032.6	-6	NE/N	4	dc	35	85	6	8	-	-	4-6	4-6	1800	1032.3	-6	NEE	4	c	42	75	7	8	-	-	9+	9+	1800	0	3	42	35	*	-	-	0.0
	Guernsey ... 175	1032.6	-6	NE/N	4	dc	35	85	6	8	-	-	4-6	4-6	1800	1032.3	-6	NEE	4	c	42	75	7	8	-	-	9+	9+	1800	0	3	42	35	*	-	-	0.0
6	Pembroke ... 142	1034.0	0	NE	2	b	33	85	7	-	-	-	0	0	-	1024.6	0	ESE	3	z	37	92	6	8	-	-	7-8	10	2000	1	2	41	37	33	-	-	5.4
7	Holyhead ... 26	1035.2	-2	NNE	5	of	43	97	7	5	-	-	9+	9+	3200	1035.5	+2	NE	3	c	42	85	6	5	-	-	10	10	3200	1	1	41	37	33	-	-	3.2
	Chester (Sealand) ... 16	1035.6	-2	WNW	1	of	35	92	3	5	-	-	10	10	2300	1034.8	-2	WNW	3	0	37	92	6	5	-	-	10	10	2300	1	*	38	30	24	-	-	0.0
8	Manchester ... 70	1035.3	-4	NW	2	z	41	92	6	5	-	-	10	10	2800	1034.4	-4	N	3	z	41	85	6	5	-	-	9	9	3200	0	*	41	38	35	-	-	0.0
10	Spurn Head ... 29	1032.6	-4	NNE	4	ir	41	92	7	5	-	-	7-8	7-8	1500	1022.2	0	N	4	c	41	75	7	5	-	-	7-8	10	2500	0	3	41	39	*	-	Tr	0.0
	Catterick ... 175	1035.4	-6	N	3	id.	40	97	6	5	-	-	10	10	1500	1034.6	-2	NW	3	id.	40	97	6	5	-	-	9	9	1200	0	*	41	39	36	-	0.1	0.0
	Tynemouth ... 108	1035.4	-4	NE	5	c	43	75	7	8	-	-	9	9	2200	1034.7	-6	NE	4	c	44	85	7	8	-	-	9+	9+	2200	1	3	48	40	38	-	-	*
11	St. Abbs Head ... 280	1037.0	-2	N	3	o/d	41	85	7	5	-	-	10	10	2000	1035.9	-2	NE	3	cf	41	92	8	3	-	-	4-6	5	2500	1	2	42	41	*	-	Tr	*
	Leuchars ... 36	1037.9	-6	N	2	c	40	75	7	5	-	-	10	10	2200	1037.1	-4	N	2	o/d	40	85	8	5	-	-	10	10	1800	1	*	42	39	37	-	Tr	0.0
12	Renfrew (Abbots I.) ... 19	1038.4	-2	NE	1	m	40	85	4	5	-	-	10	10	2200	1037.9	-2	NNE	2	z	38	85	5	5	-	-	10	10	2500	1	*	42	38	36	-	-	0.0
	Eskdalemuir ... 794	1036.8	0	NE/E	4	c	41	92	8	5	-	-	7-8	9+	2500	1036.0	-2	NE	3	bc	37	85	6	5	-	-	4-6	4-6	1500	0	*	38	36	34	-	-	0.1
	Point of Ayre ... 30	1036.8	0	NE/E	4	c	41	92	8	5	-	-	7-8	9+	2500	1036.1	-2	ENE	4	c	42	85	8	5	-	-	9	9	2500	0	3	43	40	*	-	-	2.6
13A	Tiree ... 22	1037.1	+2	ENE	1	c	39	92	7	5	-	-	9+	9+	3500	1037.1	+2	ENE	1	c	39	92	7	5	-	-	9+	9+	3500	0	1	44	33	*	-	-	4.5
13B	Stornoway ... 80	1038.4	-2	ENE	2	d.o.	40	92	7	5	-	-	2-3	10	3500	1037.7	-4	SSE	2	d.o.	40	92	7	5	-	-	7-8	10	2500	1	1	39	34	*	-	Tr	4.3
15	Dalwhinnie ... 1176	1037.0	-4	N	0	o	33	92	7	5	-	-	10	10	1500	1037.0	-4	N	0	o	33	92	7	5	-	-	10	10	1500	3	*	34	31	19	Tr	0.0	
	Aberdeen ... 79																																				

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Wednesday 25th Dec. 1940.
 No. 28,888.

OBSERVATIONS at 13h. G.M.T. 24th December.														OBSERVATIONS at 18h. G.M.T. 24th December.														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. 0-12 (4)					Form. (9)	Med. (10)	High (11)	Low (12)			Total 0-10 (13)	Height of Base. (feet) (14)					Direc. (17)	Force 0-12 (18)	Form. (23)	Med. (24)			High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	7h.—13h. 24th. (37)	13h.—18h. 24th. (38)	18h.—24th 25th. (39)	1h.—7h. 25th. (40)
1	London (Kew)...	031.2	-6	N	2	1/6	39	85	4	5	-	-	10	10	1500	031.6	+6	ESE	2	1/6	38	92	3	5	-	-	10	10	1500	1	*	amfido	cm	cm	cm
	Croydon ...	031.2	-6	-	0	sf	39	92	3	-	2	-	10	10	1000	031.1	+4	-	0	4+	33	97	3	5	-	-	10	10	800	1	*	edodo	cm	cm	cm
	S. Farnborough	031.7	-6	NNE	2	c/d	39	85	6	5	3	-	7-8	10	1200	031.5	+6	NNE	2	m/r	39	85	5	5	-	-	10	10	1700	1	*	cmo	cm	cm	
	Boscombe Down	031.8	-6	N/E	3	20	38	85	6	5	-	-	9	9	1000	031.7	+2	N	3	20	36	92	5	5	-	-	10	10	3000	1	*	cmo	cm	cm	
	Calshot (Soton.)	031.4	-2	NE/H	1	20	38	85	6	5	2	-	4-6	10	900	030.8	0	E/S	1	id	38	85	5	5	-	-	10	10	1800	1	1	cmo	cm	cm	
	Lympe	031.1	-4	ENE	2	sh	34	75	7	-	2	-	9	10	2000	031.8	+6	E	2	2	32	75	7	5	-	-	10	10	2500	1	2	cmo	cm	cm	
	Manston	031.2	-6	E	1	c	31	75	7	5	-	-	10	10	2000	031.8	+4	-	0	20	33	85	6	5	-	-	10	10	2300	1	*	cmo	cm	cm	
2	Shoeburyness ...	031.5	-4	N/E	1	id	35	92	6	5	-	-	10	10	1500	031.7	+4	SE	1	c	35	75	7	5	-	-	10	10	800	1	*	cmo	cm	cm	
	Felixstowe ...	031.3	-2	SW/S	1	id	35	92	7	-	7	-	9+	9+	4000	032.1	+4	ESE	2	20	36	85	6	5	-	-	10	10	2500	1	1	cmo	cm	cm	
	Gorleston	030.2	0	S	3	c/r	39	92	6	8	-	-	10	10	1500	031.7	0	SW/S	1	c	36	85	6	8	-	-	10	10	1500	1	2	cmo	cm	cm	
	Mildenhall	031.4	-4	NNE	2	c/pr	40	92	7	5	7	-	7-8	9+	1300	031.6	+6	N/E	2	c	37	85	7	5	-	-	10	10	2900	1	*	cmo	cm	cm	
	Cranwell	033.1	-2	NNE	3	c	41	85	7	5	-	-	9+	9+	1500	033.2	+2	NE/H	2	20	37	92	6	5	-	-	10	10	1600	1	*	cmo	cm	cm	
3	Birmingham	032.9	0	NNE	2	m	39	92	4	5	-	-	10	10	800	032.7	0	NNE	2	of+	38	85	3	5	-	-	10	10	800	1	*	cmo	cm	cm	
	Upper Heyford	032.1	-6	NE	4	id	39	92	6	5	3	-	9	9+	1400	032.3	+6	N/E	3	20	35	92	6	5	-	-	10	10	2000	1	*	cmo	cm	cm	
4	Ross-on-Wye ...	032.6	-4	N	3	m	39	85	4	5	-	-	10	10	1500	032.2	0	NNE	2	m	39	85	4	5	-	-	10	10	800	1	*	cmo	cm	cm	
5	Hartland Point	031.8	-6	NE	3	c	42	75	7	8	-	-	9+	9+	1500	031.6	0	NE	4	c	41	75	7	8	-	-	10	10	1500	0	0	c	c	c	
	Bristol ...	032.6	-8	NNE	2	m	40	92	4	5	-	-	9+	9+	1800	032.3	0	ENE	2	m	38	92	4	5	-	-	10	10	2000	1	3	cmo	cm	cm	
	Portland Bill	030.8	+6	N	3	c	39	85	7	5	-	-	10	10	4000	030.8	0	NNE	3	0	39	85	7	5	-	-	10	10	2500	1	3	cmo	cm	cm	
	Plymouth	032.1	-6	ENE	3	c	41	75	8	8	-	-	9+	9+	2000	031.8	+2	NE/E	4	20	40	75	6	5	-	-	10	10	2000	0	2	cmo	cm	cm	
	The Lizard	031.5	-4	NE	3	c	41	85	8	8	-	-	9	10	3000	030.9	0	NE	3	c	41	75	7	8	-	-	10	10	2500	0	2	c	c	c	
	Scilly (St. Mary's)	031.7	-4	ENE	4	c	43	65	8	8	-	-	10	10	1800	031.0	0	NE/E	4	c	42	65	8	5	-	-	10	10	2500	0	3	c	c	c	
	Guernsey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Pembroke	033.3	-8	NNE	3	c	42	85	6	8	-	-	9+	9+	4000	032.4	0	NE	3	a	41	85	7	5	-	-	10	10	4000	1	2	cmo	cm	cm	
7	Holyhead	034.7	-6	N/W	3	c	44	75	8	5	-	-	9+	9+	4000	034.0	+2	NE/H	4	c	44	85	7	5	-	-	10	10	2200	1	2	cmo	cm	cm	
	Chester (Sealand)	084.2	-6	N	1	of+	40	85	2	5	-	-	10	10	800	034.0	+2	W/NW	1	c	39	92	3	5	-	-	10	10	4000	1	*	cmo	cm	cm	
8	Manchester	034.2	-2	NE	2	20	42	85	5	5	3	-	4-6	7-8	2500	033.4	+2	N	2	m	39	85	4	5	-	-	10	10	2500	0	*	cmo	cm	cm	
10	Spurn Head	033.0	-4	NE/E	3	c	41	85	7	8	6	-	4-6	7-8	2500	033.0	0	NE/E	2	c	40	85	7	4	7	-	-	10	10	2500	0	2	cpr	cm	cm
	Catterick	034.4	-4	-	0	id	41	97	5	5	-	-	10	10	1200	033.8	+2	NW/H	1	id	40	97	5	5	-	-	10	10	1500	1	4	cmo	cm	cm	
	Tynemouth	034.2	-6	NNE	4	c/pr	44	85	8	2	3	-	4-6	7-8	3400	034.1	0	NNE	3	c/pr	42	92	7	2	-	-	10	10	3200	1	3	cpr	cm	cm	
11	St. Abbs Head	035.0	-8	N	2	c	42	92	7	5	2	-	7-8	9+	2500	034.5	-2	N	3	id	41	92	7	5	2	-	-	10	10	2000	1	2	id	cm	cm
	Leuchars	036.3	-10	N	2	id	42	85	7	5	-	-	9	9	1800	035.6	0	W/NW	1	c/r	40	92	6	5	7	-	-	10	10	2500	1	*	cmo	cm	cm
12	Renfrew (Abbots L.)	037.3	-4	N/E	1	c	40	85	7	5	-	-	9+	9+	3000	036.8	-2	W/SW	2	20	38	85	6	5	-	-	10	10	3300	1	*	cmo	cm	cm	
	Eskauldair	035.4	-8	NE	2	id	39	92	7	5	-	-	10	10	800	035.3	+2	N/E	3	id	37	85	6	5	-	-	10	10	800	1	*	cmo	cm	cm	
	Point of Ayre	035.5	-4	ENE	3	c	43	85	8	5	7	-	7-8	9+	1500	035.0	-2	NE	2	id	42	92	7	8	2	-	-	10	10	1500	1	2	c	cm	cm
13A	Tiree	036.9	0	E/S	1	c	38	85	8	5	-	-	9+	9+	3500	036.1	-2	NNE	1	bc	37	85	8	5	-	-	10	10	3500	0	1	c	cm	cm	
13B	Stornoway	037.3	-4	SE	1	pr	40	85	8	5	-	-	9	9	3300	037.1	-4	-	0	c	36	85	7	5	-	-	10	10	1500	1	1	edodo	cm	cm	
15	Dalwhinnie	*	-4	-	0	c	35	85	8	5	-	-	9+	9+	2500	*	0	-	0	c	30	92	7	5	-	-	10	10	2500	0	*	cc	cm	cm	
	Aberdeen	035.0	-12	NNW	2	c/pr	41	85	7	8	-	-	9+	9+	2500	035.0	0	NNW	3	c	38	97	6	8	-	-	10	10	2500	1	2	cpr	cm	cm	
	Wick	037.4	-4	NE	3	c/pr	41	85	8	5	7	-	7-8	9+	2500	036.5	-2	NW	2	bc	38	92	7	5	7	-	-	10	10	1500	0	1	cpr	cm	cm
16	Lerwick...	037.2	-10	NNW	3	c	41	85	8	8	7	1	7-8	9	1500	035.8	-4	NW	2	c															

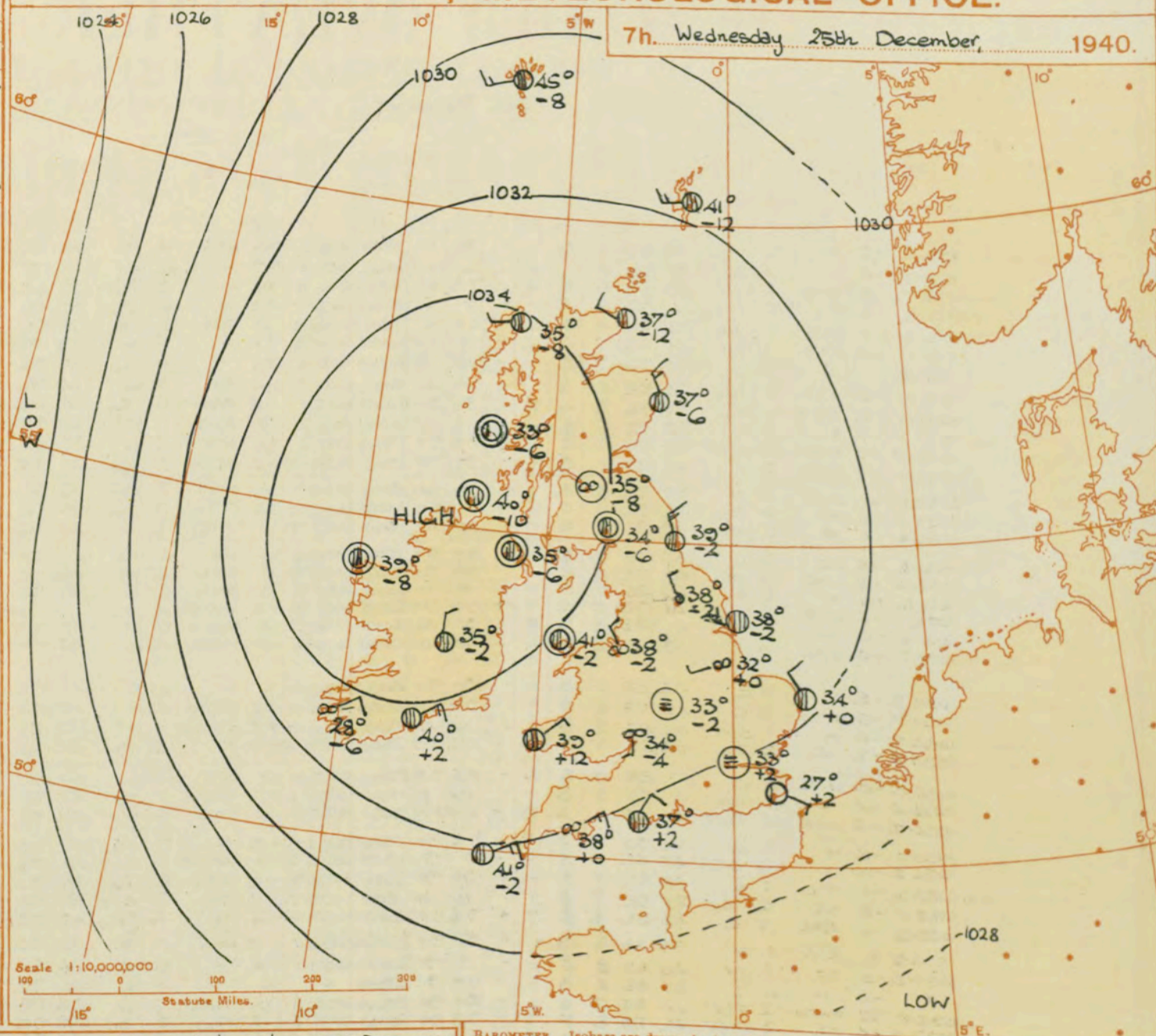
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 24th December	18h. G.M.T.	01h. G.M.T. 25th December	07h. G.M.T.
III. C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN
109 56 81756 30286 5- 02854 00084 50 01863 23213 5- 02754 24354			
115 52 61645 20168 52 02744 20165 52 02844 20227 52 81844 20387			
203			
206 53 22655 20167 52 22656 30168 5- 52648 00068 5- 03748 00058			
210 53 10754 22155 5- 05658 22258 5- 62548 21268 5- 05648 22268			
220 52 02855 14328 52 03645 14128			
230 5- 02848 08128 5- 02748 00058 53 02755 12117 57 02755 12117			
245 8- 01953 32355 50 00853 32383 50 00862 32112 5- 03768 26168			
260 5- 05656 32156 5- 51667 00057 5- 21568 00058 5- 22655 00065			
277 5- 04768 28128 5- 51756 01226 5- 02768 27228 5- 02768 26128			
279 5- 02757 32227 5- 02757 30237 50 05546 32226 5- 02758 00028			
285 5- 02637 04357 6- 59538 04468 5- 03638 02258 5- 03638 02258			
288 5- 08448 01158 51 67347 01148 50 21443 28163 5- 51547 28267			
273 74 05762 05104			
301 5- 41458 04348 5- 47258 32158 5- 05668 02145 5- 05668 31128			
321 57 05664 04115 5- 05657 02127 5- 08458 00068 -- 46309 00042			
299 8- 25755 02385 5- 02757 00017			
292 5- 02867 03167 5- 22648 00068 5- 05658 28158			
310 -- 01535 04425 -- 05528 04428			
316 5- 51557 03357 5- 05548 32128 53 47253 26145			
333 5- 02767 28227 5- 02757 04227 5- 05658 00028 5- 05658 28228			
334			
340 5- 21458 32358 5- 08468 02328 5- 21468 00058 5- 47358 32158			
136 5- 02868 02388 5- 02868 30218			
336 53 03754 04428			
850 53 05644 01358			
368 53 05656 06227			
379 5- 62628 04368 5- 05668 06328 00 05690 06210			
390 5- 05556 02356 5- 45358 24178 53 08486 04128			
382 5- 51657 02287 5- 51648 02258 50 05652 02222			
428 8- 02748 04328 8- 02758 06128			
430 5- 05658 08128 5- 08458 04228 5- 05568 00028			
408 5- 05647 04227 5- 05658 04328 5- 05658 06228			

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—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 25th December 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 25th Dec. 1940
1 S.E. England	Light variable winds ; cloudy, with slight local rain or sleet ; some bright intervals ; fog becoming widespread during the night and persisting locally tomorrow ; cold, frosty 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.	
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 off N.W. Ireland covers the British Isles. Cold and mainly cloudy weather will continue with slight rain or sleet locally. Bright intervals will occur in some districts. There will be mist or fog locally at first, particularly near large towns, and fog will probably become widespread tonight.

FURTHER OUTLOOK.

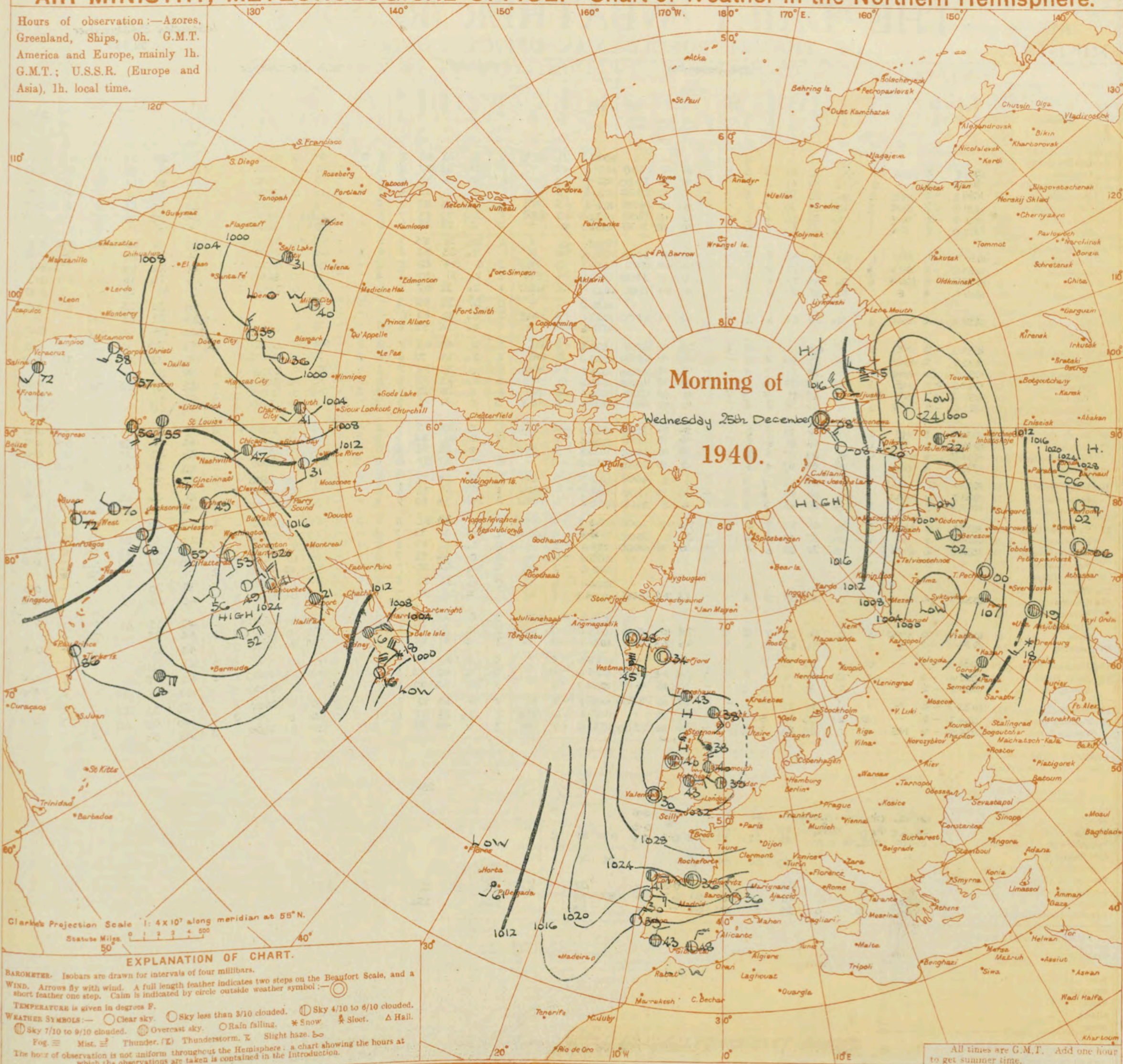
Continuing cold, quiet and foggy.

Forecasts issued at 1030h G.M.T.
H.M.S.O. Press, Crown Office 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.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 25th December 1940.
No. 28,888

OBSERVATIONS at 1 hr. G.M.T. 25th December															OBSERVATIONS at 7 hr. G.M.T. 25th December															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE 24 Hrs.					
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.								
																																Low.	Med.		High.	Low.	Med.	High.	Low.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1032.1	0	NE'E	2	0	35	92	5	5	2	-	5+	10	1500	1	*	41	33	31	0.1	0.3	0.0				
	Croydon	217	1031.8	-2	NW	1	0	32	97	3	5	-	10	10	1200	1031.6	+2	0	0	33	97	3	5	-	-	10	10	1500	1	*	37	31	31	1	Tr	0.0			
	S. Farnborough	226	1032.3	-2	-	0	0	33	92	5	5	-	10	10	3000	1031.7	-2	0	0	33	92	4	5	-	-	10	10	1200	1	*	40	32	31	Tr	Tr	0.0			
	Boscombe Down	417	1032.2	-2	N'E	2	0	35	85	5	5	-	10	10	2000	1031.8	-6	N	1	33	92	6	5	-	-	10	10	2500	1	*	39	31	31	Tr	Tr	0.0			
	Calshot (Stmntn.)	8	1031.9	+2	ENE	2	id.	35	85	5	5	-	10	10	1400	1031.8	-2	N'E	2	35	85	5	5	-	-	10	10	2000	1	1	39	34	28	Tr	Tr	0.0			
	Lympne	346	1031.9	-2	ENE	1	0	32	85	6	5	-	10	10	1800	1032.0	+2	ESE	1	27	85	7	5	-	-	2-3	2-3	4500	3	2	34	27	19	Tr	-	0.0			
	Manston	154	1032.0	+2	EN	1	0	33	85	6	5	-	10	10	2100	1032.1	0	-	0	28	85	7	5	-	-	5+	5+	3500	*	*	*	*	*	*	*	*			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1031.8	0	S	2	bc	31	85	7	5	-	-	4-6	4-6	2500	3	*	37	31	20	0.4	0.2	0.0				
	Felixstowe	15	1031.7	-4	N'W	1	0	35	92	5	5	-	10	10	3000	1032.4	+4	N	1	33	92	5	5	3	-	4-6	9+	2000	1	1	36	33	30	1	Tr	0.0			
	Gorleston	5	1032.3	+2	SE'S	3	0	38	85	6	8	-	9+	9+	1500	1032.1	0	NW	2	34	85	5	5	-	-	9+	9+	1500	1	1	41	36	32	1	Tr	0.2			
	Mildenhall	19	1032.2	-2	SW'N	2	0	34	97	6	5	-	10	10	3500	1032.6	+6	E'N	2	31	97	5	5	-	-	10	10	3500	3	*	41	29	19	0.2	0.1	0.3			
	Cranwell	240	1033.2	-4	E	1	0	35	97	6	5	-	9+	9+	1500	1033.1	0	WSW	1	32	97	5	5	-	-	9	9	2000	3	*	41	31	27	0.3	-	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1032.9	-2	-	0	bf	33	92	3	-	-	-	0	0	-	1	*	39	32	23	0.4	Tr	0.0				
	Upper Heyford	408	1032.8	-2	NNE	2	0	35	92	6	5	-	10	10	2500	1032.1	-4	NNE	2	32	85	6	-	-	0	0	-	1	*	39	32	25	0.4	-	0.0				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1032.6	-4	S	1	0	34	92	6	5	-	-	Tr	Tr	2500	1	*	40	34	24	0.2	-	0.0				
5	Hartland Point	299	1032.2	-2	NE	3	C	40	75	7	5	2	7-8	10	1500	1031.8	-2	NE	3	40	65	7	5	2	-	4-6	9+	1500	0	3	42	37	36	-	-	0.0			
	Bristol	209	1032.7	-2	ENE	3	m	37	92	4	5	-	10	10	2000	1032.4	0	NE	2	36	75	6	5	7	-	5+	10	2000	1	*	40	35	33	0.1	Tr	0.0			
	Portland Bill	32	1036.1	0	NNE	3	C	38	92	7	5	-	10	10	2500	1031.2	+2	NNE	2	37	92	7	5	-	-	10	10	2500	1	3	40	34	*	-	-	0.0			
	Plymouth	82	1032.5	+2	NE	3	0	39	75	6	5	-	10	10	2000	1032.3	0	NE	3	38	85	6	5	-	-	10	10	2000	0	2	42	37	35	Tr	-	0.2			
	The Lizard	240	1030.7	+2	N'E	3	C	39	85	7	8	2	9	10	1500	1031.7	+4	NE	4	39	75	7	8	2	-	7-8	9+	1500	0	2	41	36	*	-	-	0.0			
	Scilly (St. Mary's)	163	1031.6	-2	NEE	3	C	42	75	6	5	-	10	10	1800	1031.4	-2	NEE	3	41	75	7	5	-	-	10	10	1800	0	2	43	40	*	-	-	0.0			
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	1033.3	+12	NE	1	C	39	75	7	5	-	-	10	10	3000	1	2	42	38	*	-	-	0.0				
6	Pembroke	142	1033.4	+2	NE	3	C	39	75	7	5	-	9+	9+	3000	1033.3	+12	NE	1	C	41	85	7	8	2	-	7-8	10	1200	1	1	44	40	38	-	0.4	0.0		
7	Holyhead	26	1033.9	-2	E	2	0	43	85	6	5	-	10	10	1500	1033.4	-2	-	0	C	38	92	5	5	-	-	10	10	2500	1	*	40	35	35	-	Tr	0.0		
	Chester (Sealand)	16	1034.0	-2	WNW	1	m	38	97	4	5	-	10	10	2500	1033.5	-2	NW	1	38	92	5	5	-	-	10	10	2500	1	*	40	35	35	-	Tr	0.0			
8	Manchester	70	1033.4	-4	NNW	1	Tr	38	97	4	5	-	9	10	2500	1033.0	-2	-	0	m	37	97	4	5	3	-	7-8	9+	3000	1	*	43	36	34	-	0.6	0.0		
10	Spurn Head	29	1035.1	0	WNW	1	C	39	92	7	5	-	9	9	4000	1032.7	-2	WN	2	38	92	7	5	-	-	10	10	2500	1	2	43	35	*	0.6	-	0.4			
	Catterick	175	1033.3	-6	NNW	1	Tr	39	97	6	5	-	10	10	1700	1032.7	-2	NNW	1	38	92	6	5	-	-	10	10	1800	1	*	41	36	33	1	Tr	0.0			
	Tynemouth	108	1032.8	-8	N	3	Tr	40	85	7	8	-	9	9	3200	1032.4	-2	NNW	3	39	85	7	8	-	-	7-8	7-8	2500	1	3	45	39	37	0.1	2	*			
11	St. Abbs Head	280	1035.7	-6	NNW	3	Tr	41	92	7	5	2	7-8	10	2000	1033.2	-2	NNW	3	39	92	8	5	5	-	4-6	9	2500	1	2	42	40	*	Tr	Tr	0.0			
	Leuchars	36	1034.8	-6	N	2	0	37	92	6	5	-	9	9	3500	1033.6	-6	WNW	2	37	92	7	5	-	-	7-8	7-8	2500	1	*	42	36	31	Tr	Tr	0.0			
12	Reefrow (Abbots L.)	19	1035.8	-6	SW'S	1	0	37	85	6	5	-	10	10	4000	1034.4	-8	-	0	35	92	5	5	-	-	10	10	4000	1	*	40	35	29	Tr	Tr	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1033.4	-6	-	0	C	34	92	7	5	-	-	10	10	1500	1	*	40	34	32	0.4	Tr	Tr	0.0		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

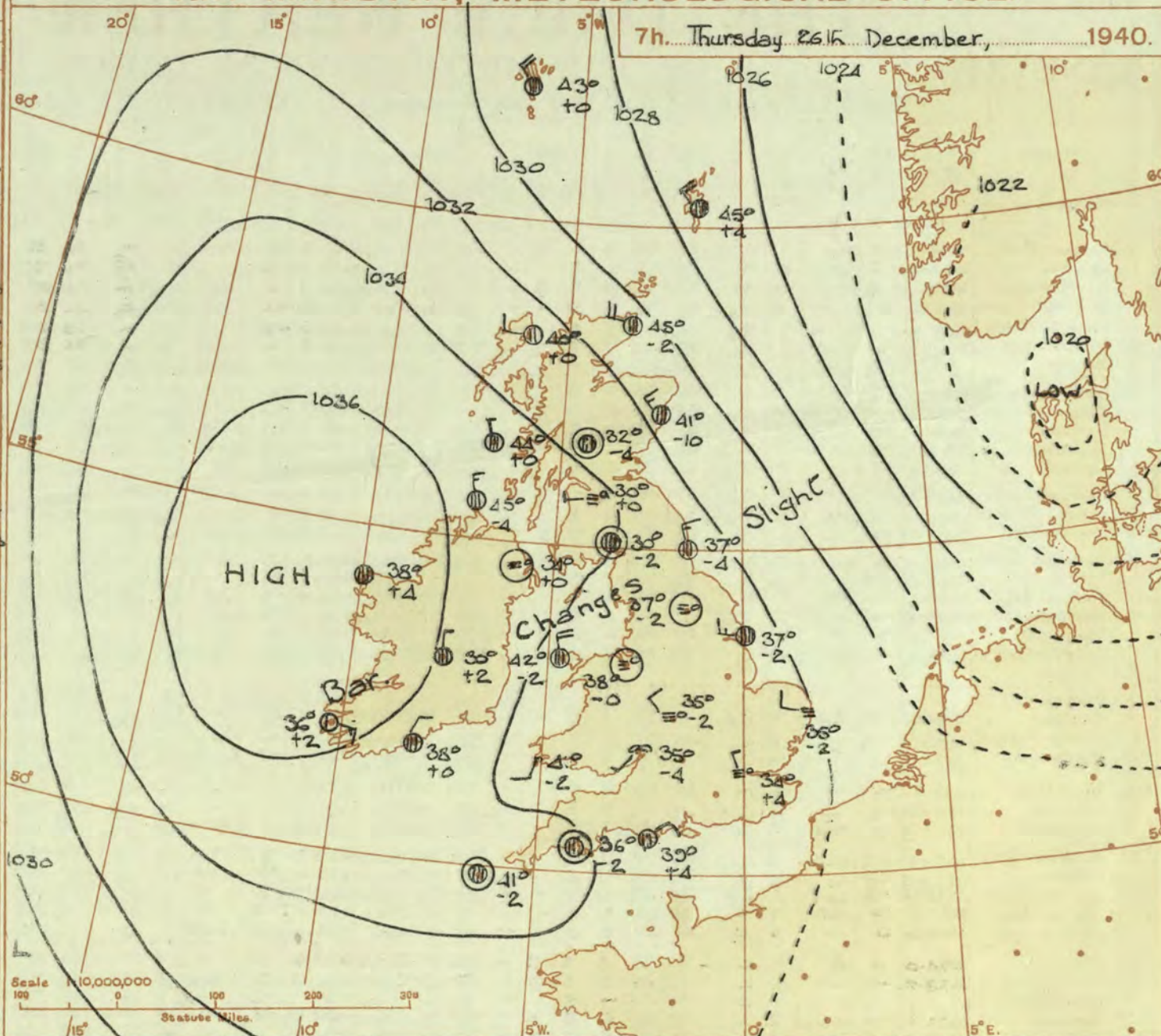
 BRITISH SECTION
 Thursday, 26th December, 1940.
 No 28,889.

OBSERVATIONS at 13h. G.M.T. 25th December														OBSERVATIONS at 18h. G.M.T. 25th December														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 (22)	Cloud.			State of Ground. (29)	Sea. (30)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Direc. (3)	Force. 0-12 (4)					Low.	Med.	High (11)			Low 0-10 (12)	Total 0-10 (13)					Height of Base. (feet) (14)	Low.	Med.			High (23)	Low 0-10 (24)	Total 0-10 (25)	Height of Base (feet) (28)	7h.—18h. 25th... (37)	18h.—18h. 25th... (38)	18h. 25th to 1h. 26th... (39)	1h.—7h. 26th... (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	London (Kew)...	1033.1	-4	NW	1	cft	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1000	1033.3	+4	NW	1	36	85	3	-	9+	9+	1

Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 25th December				18h. G.M.T. 30th December				01h. G.M.T. 1st December				07h. G.M.T. 2nd December			
III	C	wwVhN	DDFWN	III	C	wwVhN	DDFWN	III	C	wwVhN	DDFWN	III	C	wwVhN	DDFWN
109	5-	25857	22387	80	25853	22483		5-	03848	26568					
115	87	31844	20487					52	02844	20487	52	81844	24487		
203				5-	03858	16428		5-	03058	16428	8-	02946	16326		
206	5-	02977	21227	57	02874	24222		5-	02865	24125	57	02854	00028		
210	5-	02865	20325	5-	02967	20327		00	00890	22410	5-	02858	22468		
220	53	02853	15217								53	01744	00015		
230	53	02954	00017	50	17662	00012		57	02764	00028	57	05452	00013		
245	8-	02857	24227	5-	02767	24127		5-	02767	24227	5-	02767	56317		
280	5-	05568	24158	5-	05568	00028		50	08462	24112	00	05570	24103		
277	5-	05658	00028	5-	05668	27158		00	00700	32250	5-	05668	00018		
279	5-	22558	00068	5-	08458	28128					5-	05655	26225		
285				5-	03748	32228					5-	03748	32378		
288	5-	47348	20168	5-	47248	28148		5-	05548	28148	5-	05548	20158		
273	53	05663	25103								53	02753	27115		
301	5-	08468	02158	5-	08458	00028		5-	08458	00028	5-	08458	02158		
321	5-	57358	20158	--	45309	00049		5-	45368	00048	5-	08478	28228		
299	5-	05547	22327	5-	05644	24114		5-	08448	25228	5-	01844	22214		
292	5-	05658	30158	5-	47378	22148		5-	08458	00028	5-	05668	30228		
310											--	02528	20428		
316	5-	45358	24148	5-	45258	00048		5-	08468	24248	5-	45368	26148		
333	5-	02968	28128	5-	05768	00028		5-	62658	00068	5-	64648	00068		
334															
340	--	46109	00059	5-	45267	00057		5-	45268	00048	5-	08468	28128		
196	5-	05677	27317	5-	47338	00028		--	44209	25149	--	46109	26249		
336															
350	5-	08468	00028												
368															
379	5-	05667	06227	5-	05558	32128		5-	05568	28228	53	05558	00027		
390	53	05448	28127	5-	41468	28228		5-	08458	28128	5-	08458	25228		
382	5-	05568	00028	5-	47368	00048		5-	08478	00028	5-	05578	26228		
438	5-	03638	32328								8-	03668	04328		
430	5-	02648	06128	5-	45348	32148		5-	08478	02228					
409	54	01763	04323					5-	05588	07228	5-	05668	04128		

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_h = 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. 26th December, 1940
1 S.E. England	Light westerly or variable wind. Overcast with fog or mist in many places; fog becoming widespread after dusk. Cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable wind. Fair to cloudy. Rather cold.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light northerly or variable wind. Partly cloudy. Fog locally, especially industrial areas. Cold.
9 N. Midlands ...	
10 N.E. England	Light northwesterly wind. Bright periods. Local showers later.
11 S.E. Scotland	Rather cold.
12 S.W. Scotland & Isle of Man.	Light northwest or variable wind. Mainly fair. Cool.
13 { A. W. Scotld. B. N. W. Scot- land.	Light or moderate northwest wind. Bright intervals and occasional local rain or showers. Average Temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light variable wind. Mainly cloudy. 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.
An anticyclone off West Ireland is almost stationary and a ridge extending to Iceland is intensifying. There will be bright intervals in Scotland and later in N.E. England; with occasional slight rain or showers associated with feeble troughs moving S.E. across the North Sea. Elsewhere weather will be mainly overcast, but there will be some brighter intervals in S.W. England. Widespread fog at first in the Midlands and Eastern England will persist in many places throughout the day, and there will be much fog again tonight in Central and Southern England.

FURTHER OUTLOOK.
Little Change.

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.

Morning of
Thursday 26th December,
1940.

Clark's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Scale in 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 a circle.
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.

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 26th December..... 1940
No. 288.89

OBSERVATIONS at 1 hr. G.M.T. 26th December															OBSERVATIONS at 7 hr. G.M.T. 26th December															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.					State of ground. 0-9 (29)	Sea. 0-9 (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)	Low. (25)	Med. (26)	High. (27)	Low. (31)			Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)					
																																			Low. (9)		Med. (10)	High. (11)	Low. (12)
1	London (Kew) ... 18	217	1033.6	+2	NNW	1	m	33	92	4	5	10	10	1500	1032.3	-2	WSW	2	m	35	92	4	5	10	10	2500	1	1	36	34	30	Tr	-	0.0					
	Croydon ... 217	1033.4	+2	NNW	1	m	33	92	4	5	10	10	1500	1032.3	-2	WSW	2	m	35	92	4	5	10	10	2500	1	1	36	34	30	Tr	-	0.0						
	S. Farnborough ... 226	1034.0	-2	WS	1	of+	33	92	3	5	10	10	5000	1033.4	-2	W	1	z	34	92	6	5	10	10	5000	1	1	36	32	30	-	-	0.0						
	Boscombe Down ... 417	1034.5	+2	NNW	2	z	35	85	5	5	10	10	3000	1033.9	-2	NNW	1	z	34	85	5	5	10	10	3000	1	1	36	32	30	-	-	0.8						
	Calshot (Stmnt.) ... 8	1033.6	+0	NNW	2	z	36	85	5	5	10	10	5000	1033.5	-2	NNW	2	z	36	85	5	5	10	10	3500	1	1	37	34	33	-	-	0.0						
	Lympe ... 346	1032.8	+2	NNW	1	of+	34	97	2	5	10	10	800	1032.9	+2	-	0	of+	33	92	2	5	10	10	200	1	1	34	33	30	Tr	-	0.0						
	Manston ... 154	1032.9	+4	N	1	z	37	97	6	5	7-8	10	1600	1032.4	-2	W	1	of+	34	97	2	5	10	10	300	1	1	34	33	30	Tr	-	0.0						
2	Shoeburyness ... 11	1032.9	-2	NNW	2	z	35	97	3	5	10	10	6000	1032.2	-2	N	3	of+	35	92	2	5	10	10	6000	1	1	37	34	32	Tr	-	0.0						
	Felixstowe ... 15	1032.7	0	WN	2	bc	37	92	5	5	4-6	4-6	1500	1032.0	-2	WNW	2	F	35	85	2	5	10	10	200	1	1	41	35	33	2	-	0.0						
	Gorleston ... 5	1032.2	-4	SW	2	of	33	97	3	5	10	10	7200	1032.3	-6	WS	2	of+	34	97	2	5	10	10	500	1	1	36	33	29	-	Tr	0.0						
	Mildenhall ... 19	1033.3	-4	WNW	1	F	35	97	1	5	10	10	150	1032.9	-4	WNW	1	F	34	97	1	5	10	10	150	0	1	37	33	31	-	-	0.0						
3	Birmingham ... 535	1034.2	0	WNW	3	z	35	85	5	5	10	10	5700	1033.3	-2	NW	2	m	35	92	4	5	10	10	1500	1	1	37	35	32	-	-	0.0						
	Upper Heyford ... 408	1034.2	0	WNW	3	z	35	85	5	5	10	10	5700	1033.3	-2	WS	2	z	35	92	5	5	10	10	4500	1	1	35	33	31	-	-	0.0						
4	Ross-on-Wye ... 223	1033.7	0	WNW	3	z	35	85	5	5	10	10	5700	1033.7	-4	WS	2	z	35	85	6	5	10	10	1500	1	1	42	34	32	-	-	4.2						
5	Hartland Point ... 299	1034.6	+2	SE	3	bc	36	65	8	5	10	10	2500	1034.2	0	SSW	2	c	40	65	8	5	10	10	2500	0	2	40	33	30	-	-	4.4						
	Bristol ... 209	1035.0	-2	-	0	z	34	85	5	5	10	10	4500	1034.3	-2	WNW	1	z	35	85	5	5	10	10	3500	1	1	40	33	31	-	-	4.0						
	Portland Bill ... 32	1033.7	+2	NE	2	c	39	85	7	5	10	10	2500	1033.9	-4	NE	2	c	39	85	7	5	10	10	2500	1	3	39	34	-	-	-	0.3						
	Plymouth ... 82	1034.3	+4	EN	3	c	39	85	7	5	10	10	1500	1034.5	-2	-	0	z	36	85	6	5	10	10	2000	0	1	40	35	31	-	-	0.0						
	The Lizard ... 240	1034.2	+6	ES	2	c	41	97	7	5	9+	9+	1500	1034.3	0	NNE	3	c	39	85	7	8	2	10	1500	0	2	41	38	-	-	0.5	0.0						
	Scilly (St. Mary's) ... 163	1034.2	+6	ES	2	c	41	97	7	5	9+	9+	1500	1034.3	-2	-	0	c	41	65	7	8	2	10	1500	1	2	42	39	-	-	1	2.8						
	Guernsey ... 175	1034.2	+6	ES	2	c	41	97	7	5	9+	9+	1500	1034.3	-2	-	0	c	41	65	7	8	2	10	1500	1	2	42	39	-	-	1	2.8						
6	Pembroke ... 142	1033.9	-2	ESE	1	z	41	97	6	5	10	10	1400	1033.6	-2	SSW	2	id.	41	85	7	8	-	9+	9+	2500	1	1	41	35	-	Tr	0.0						
7	Holyhead ... 26	1033.9	-2	ESE	1	z	41	97	6	5	10	10	1400	1033.3	-2	NW	4	c	42	85	7	5	-	9+	9+	2200	1	2	42	39	38	-	2	0.0					
	Chester (Sealand) ... 16	1034.2	+2	WN	1	of	36	97	3	5	10	10	4500	1033.9	0	-	0	m	38	92	4	5	-	10	10	2000	1	1	40	36	34	0.1	Tr	0.0					
8	Manchester ... 70	1034.2	+2	WN	1	of	37	92	3	5	10	10	3000	1033.5	-4	S	1	of+	36	97	2	5	-	10	10	3000	1	1	34	33	-	-	-	0.0					
10	Spurn Head ... 29	1032.8	-2	WN	2	m	37	97	4	-	0	0	-	1032.0	-2	WN	3	0	37	97	6	5	-	10	10	1500	1	2	40	35	-	-	Tr	0.1					
	Catterick ... 175	1033.8	-2	-	0	m	37	92	4	5	10	10	3100	1033.5	-2	-	0	m	37	97	4	5	-	10	10	3500	1	1	40	36	34	1	-	0.0					
	Tynemouth ... 108	1033.3	0	NNW	2	id.	38	92	6	-	2	10	1800	1032.3	-4	NNW	3	c	37	75	6	8	-	7-8	7-8	1500	1	2	41	34	31	2	0.2	*					
11	St. Abbs Head ... 280	1033.0	+2	NNW	3	c	38	85	7	5	2	10	2500	1032.4	-4	WNW	3	bc	39	75	8	4	4	2-3	2-3	2500	0	2	40	38	-	3	-	0.0					
	Leuchars ... 36	1032.2	-2	W	2	z	35	85	6	5	-	10	3200	1032.8	-2	WSW	2	b	34	92	8	5	-	1	1	6000	1	1	40	33	27	Tr	-	0.0					
12	Reitrew (Abbots I.) ... 19	1034.3	+2	WSW	1	z	30	92	6	5	-	5	4000	1034.5	0	WSW	1	m	30	92	4	5	-	2-3	2-3	3000	1	1	40	28	21	-	-	0.0					
	Eskdalemuir ... 794	1033.8	0	-	0	c	38	85	8	5	1	10	2500	1034.2	-2	-	0	c	30	92	7	5	-	3+	3+	1500	1	1	38	29	25	0.1	-	0.0					
	Point of Ayre ... 30	1033.8	0	-	0	c	38	85	8	5	1	10	2500	1033.8	0	NEW	2	b	39	85	7	5	-	1	1	2500	1	1	42	37	-	0.2	1	0.0					
13A	Tiree ... 22	1033.8	+2	WSW	2	c	40	97	7	5	2	9	2000	1033.9	0	NNW	1	c	44	92	8	5	-	9+	9+	3500	0	1	39	35	-	-	Tr	0.8					
13B	Stornoway ... 80	1033.8	+2	WSW	2	c	40	97	7	5	2	9	2000	1033.9	0	W	2	bc	40	97	7	5	-	4-6	4-6	2000	1	1	40	39	-	-	-	0.0					
15	Dalwhinnie ... 1176	1033.8	+2	WSW	2	c	40	97	7	5	2	9	2000	1033.9	0	W	2	bc	40	97	7	5	-	4-6	4-6	2000	1	1	40	39	-	-	-	0.0					
	Aberdeen ... 79	1031.6	-2	WNW	3	bc	37	85	8	5	7	2-3	2-3	2500	1030.3	-10	NW	3	c	41	85	6	5	-	9	9	1500	1	2	40	35	27	-	-	0.0				
	Wick ... 81	1031.6	-2	WNW	3	bc	37	85	8	5	7	2-3	2-3	2500	1030.2	-2	WNW	4	c	45	97	7	5	2	7-8	10	1500	1	2	40	34	-	-	0.3	*				
16	Lerwick ... 166	1027.4	-10	W	5	c	45	92	8	5	7	4-6	7-8	1500	1026.7	+4	NNW	4	c	45	92	8	8	7	4-6	7-8	1500	1	1	43	42	-	-	-	1.0				
17	Blacksod Point ... 18	1037.0	+4	-	0	c	38	92	7	-	7	0	10	-	1037.0	+4	-	0	c	38	92	7	-	7	0	10	-	0	2	42	34	-	-	-	0.0				
18	Malin Head ... 84	1035.1	0	SW	1	c	44	92	7	5	-	9	9	2500	1034.5	-4	NNW	3	c	45	85	7	6	-	9	9	2500	0	0	43	37	-	0.2	Tr	0.0				
	Aldergrove ... 268	1035.6	+4	-	0	z	31	97	6	5	-	9	9	2800	1035.3	0	-	0	m	34	97	4	5	-	10	10	2200	1	1	39	28	22	0.1	0.1	0.0				
19	Birr Castle ... 173	1036.6	+2	N	1	0	30	97	7	5	-	10	10	1500	1036.6	+2	N	1	0	30	97	7	5	-	10	10	1500	3	1	38	26	24	-	-	0.0				
20	Valentia Obay. ... 30	1035.6	+4	E	3	c	40	75	7	5	-	10	10	4000	1035.7	+2	-	0	b	36	85	8	5	-	1	1	4000	3	1	40	36	29	0.1	Tr	0.0				
	Roches Point ... 22	1035.5	+2	NNE	2	c	39	85	7	5	-	9+	9+	2500	1035.9	0	NNE	2	c	38	85	7	5	-	9+	9+	2500	1	3	42	38	-	-	-	0.0				
LONDON OBSERVATIONS		Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sunshine to Sunset hrs.	Humidity.		Atmospheric Pollution.		EXPLANATION OF FIGURES, LETTERS, etc.																							
Day 7h-18h, Kew & Croydon.			Morning. Afternoon. Night.			Day Max. Night Min.			Day. Night.		15h. 9h. G.M.T. G.M.T.		Milligrams of Solid Impurity per cubic metre.		COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.																								
9h-18h, Kensington.			24 hrs. ended 9h.			°F. °F.			mm. mm.		Yesterday. To-day.		24 hrs. ended 7h. G.M.T.		COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.																								
9h-21h, other stations except for rainfall which is 9h-18h.			24 hrs. ended 9h.			°F. °F.			mm. mm.		Yesterday. To-day.		24 hrs. ended 7h. G.M.T.		COLUMNS 8, 22 - Code for surface visibility. Objects not visible at 0 Dense fog 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze																								

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 27th December 1940.
No. 28,820

[illegible]

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
X, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere
of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense;
suffix o indicates slight; repetition
of letters indicates continuity: thus
R, heavy rain. * r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height). ↗gale.
☉ Solar halo. ☾ lunar halo. ☀Aurora.
With present weather is combined,
whenever possible, the general
character of the weather.
A "solidus" divides actual 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.

- | COLUMBIA | | STATE OF | |
|----------|-------------------------------------|----------|-------------------------------------------------------------------------|
| 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 Ca 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:
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.

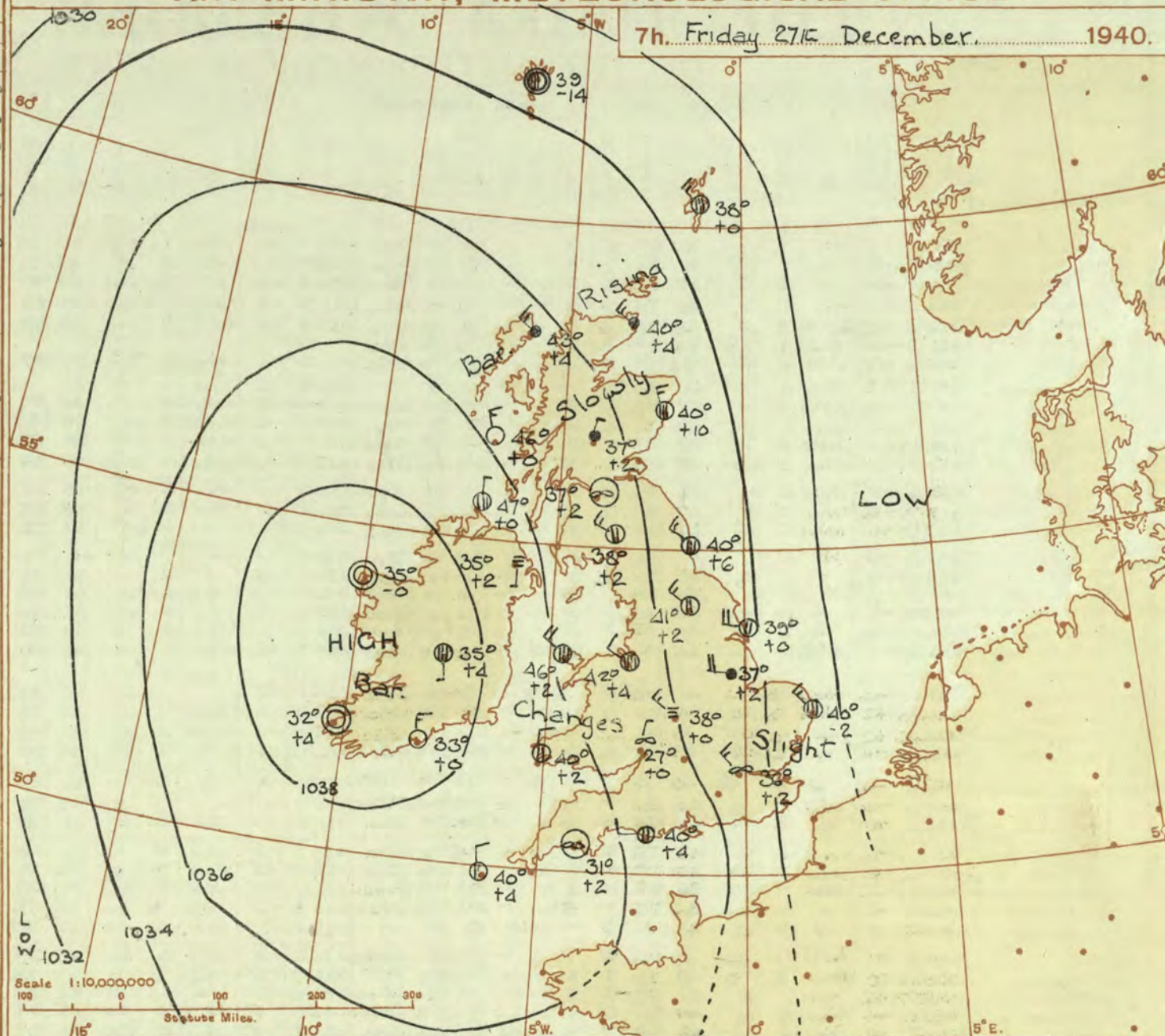
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T.	26th Dec.	18h. G.M.T.	01h. G.M.T.	27th Dec.	07h. G.M.T.
III	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN	C _M wwVhN _h DDFWN
109	6- 81637 26527 80	01854 27484		8- 81756 26215	
115	32 02734 28486 52	81734 28487 52	02834 28487 51	01854 32285	
203			5- 10845 30315 5-	81848 28388	
206	86 25355 24286 80	01854 26384 5-	62748 00088 80	01854 00064	
210	53 02866 23326 5-	02857 22327 5-	01854 26414 5-	00762 28212	
220		62 64635 29368			
230	50 05651 00001 50	05652 26212 50	05653 28212 04	02765 28423	
245		04 00990 24211 5-	02857 26127 5-	02067 30127	
260	5- 22577 24167 00	45390 24240 5-	05565 22115 5-	62677 24167	
277	54 00772 30103 04	00700 26101 50	00851 30301 50	00861 20301	
279	43 05590 00005 50	05564 19214 5-	05563 00013 50	05563 00013	
285	5- 02856 28416 8-	02746 30516		01744 32414	
288	5- 05566 25216 5-	08464 25264 50	05664 27204 50	05653 28323	
273			00 09590 00000 00		
301	5- 41463 00043 50	05564 30124 00	05600 30220 50	05564 00024	
321	00 03490 26100 5-	21566 24358 00	05590 27200 50	05664 26314	
299	57 05643 25214 5-	05647 25467		62647 26567	
295	50 05664 26124 5-	22636 26166 50	05664 26114 50	01764 27214	
310	-- 02645 24325 --	02646 24326	--	02446 24326	
316	5- 45065 24245 5-	47367 24247 00	00590 28300 50	01563 26223	
333	53 02755 32187 00	00700 00010 5-	05667 00007 50	25655 32285	
334					
340	5- 08467 30157 00	08490 29110 00	08490 00000 5-	05647 24117	
136	5- 08476 25246 8-	81458 26488 5-	05667 26487 50	05663 26483	
336		50 01754 16314		53 01753 14314	
350	5- 08468 04268			5- 05668 26425	
368	57 52666 00058				
379	5- 05667 24327 5-	05673 30313 00	05500 26300 5-	05666 28226	
390	50 45375 28245 50	45343 28143 5-	08448 24448 5-	03447	
382	5- 05568 32128 5-	08476 28226 50	05562 28322 50	05562 26312	
428	02 53538 02228			5- 02557 30417	
430	5- 05568 32128 00	08490 32110 50	05564 28214 50	05565 26215	
409		5- 02667 00067 00	05600 12110 00	05600 00000	

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).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 27th December. 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th December, 1940
1 S.E. England	Light or moderate W to N.W. wind. Occasional slight local rain or showers and bright intervals. Less cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light northwesterly wind. Mainly fair. Less cold.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 1-3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light W. to N.W. wind, becoming moderate or fresh tomorrow. Mainly cloudy, occasional local drizzle. Average temperature.
13 { A.W. Scotld. B.N.W. Scotland.	
14 Mid Scotland	Light or moderate W. to N.W. wind, freshening. Occasional showers and bright intervals. Average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light variable wind, becoming W. to N.W. Mainly fair. Becoming less cold.
18 N. E. Ireland	
19 S. E. Ireland	Light variable wind. Fair. Becoming less cold.
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 Ireland will move slightly S. or S.W. while a depression north of Iceland moves S.E. In the west of the British Isles weather will be fair, while in the east it will be partly cloudy with occasional local rain or showers but some bright intervals.

FURTHER OUTLOOK.

Little change, but becoming milder.

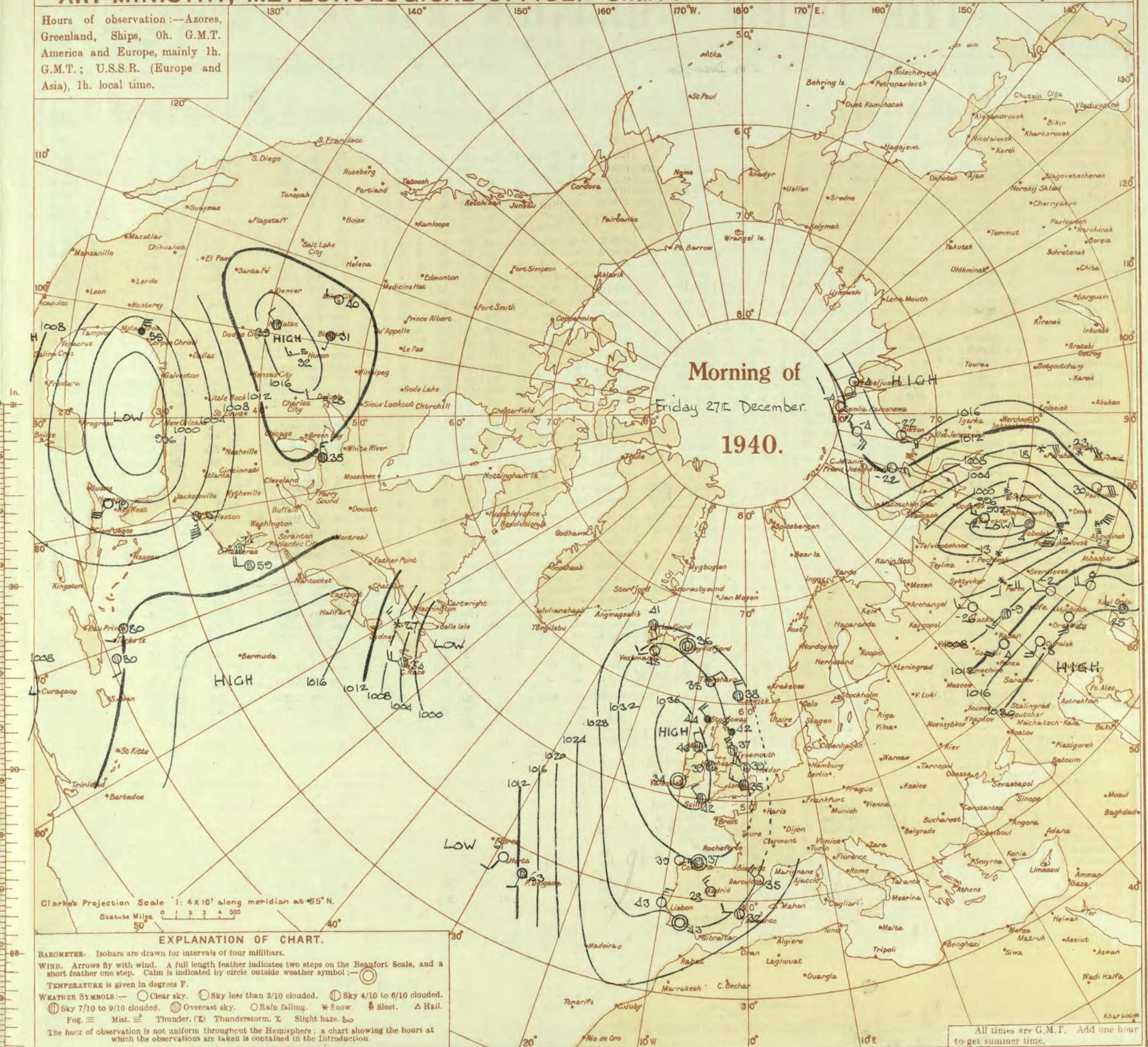
Forecasts issued at 10.30. G.M.T.

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.



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 27th December 1940
No. 28890

[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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Saturday 28th December 1940.
 No. 28,891.

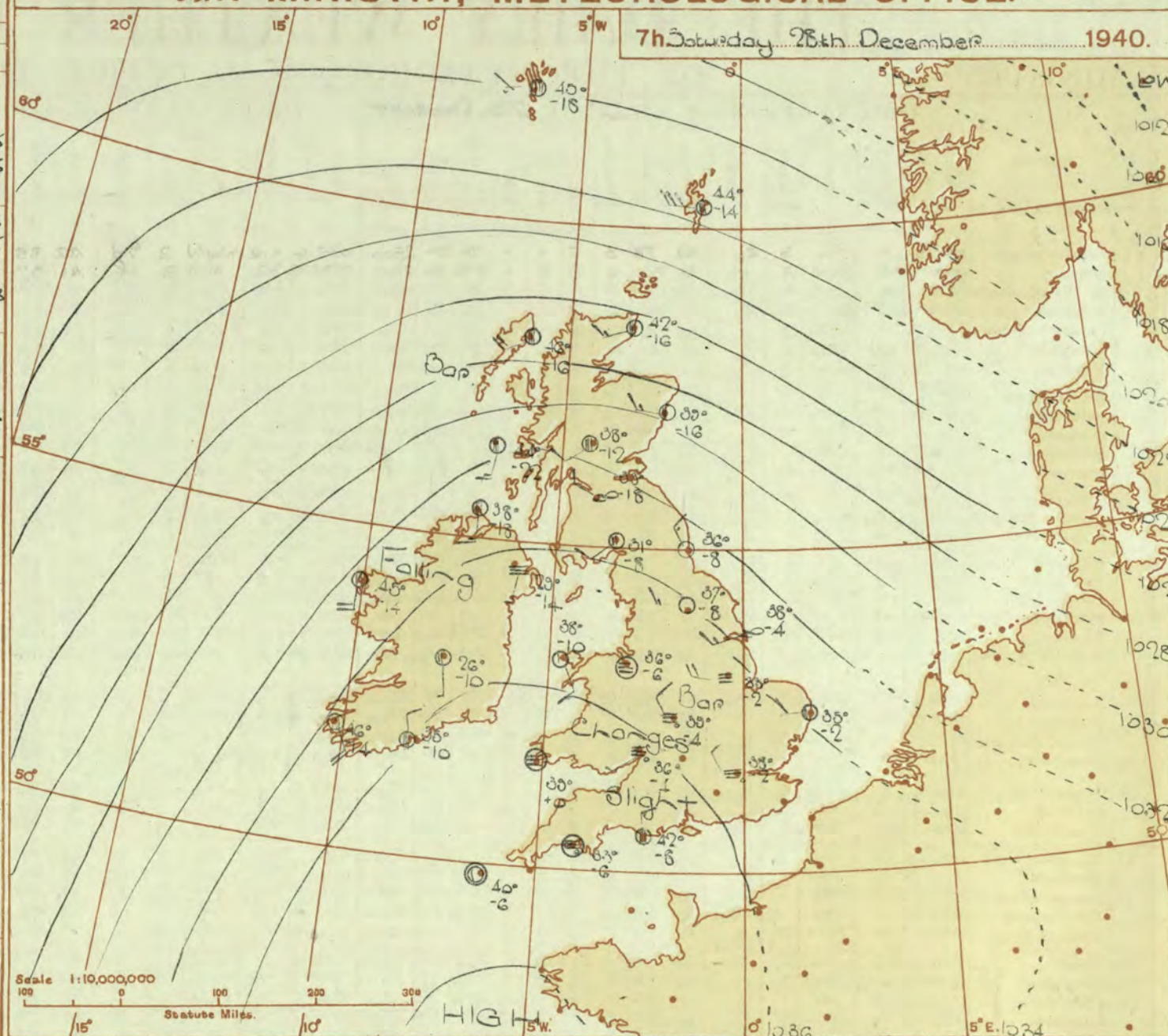
OBSERVATIONS at 13h. G.M.T. 27th December.														OBSERVATIONS at 18h. G.M.T. 27th December.														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount. Low 0-10 Total 0-10 (11) (12)	Height of Base. (feet) (14)	Direc. (17)			Force. 0-12 (18)	Form. (23)					Amount. Low 0-10 Total 0-10 (25) (27)	Height of Base. (feet) (28)	7h.-13h. 27th (37)	13h.-18h. 27th (38)		18h.-27h. 28th (39)	1h.-7h. 28th (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	London (Kew)...	1034.3	0	NW	3	bc	42	75	5	-	3	2500	1035.6	+12	NW	2	bc	42	85	5	5	-	3	2500	1034.6	+2	NW	2	bc	41	87	3	5	-	7-8	7-8	2000	1034.6	+2	NW	2	bc	41	85	5	5	-	10	10	5000	1035.0	+8	NW	2	bc	41	85	5	5	-	3	4000	1036.4	+4	NW	1	bc	38	82	5	5	-	3	2100	1033.8	+14	NW	3	bc	40	85	6	3	-	7-8	7-8	1800	1032.9	+10	NW	2	bc	40	85	6	3	-	2-3	2-3	3600	1034.2	+14	NW	3	bc	39	92	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc	41	85	6	5	-	7-8	7-8	2000	1035.1	+6	NW	3	bc</

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T.	27th Dec.	18h. G.M.T.	01h. G.M.T.	28th Dec.	07h. G.M.T.							
III _{C_M}	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	
109	8	81647	24387	50	00852	24482	80	01853	24413			
115				52	81844	24487	52	81844	51585	52	81834	51587
203								8- 02048	16416	5-	03848	16528
206	81	02764	24285	44	01863	26183	00	00850	26200	8-	02866	26286
210	53	02855	22386	53	02865	26386	50	00861	21411	50	01864	22514
220	83	01954	27364	40	01763	27103				52	03644	23428
230	83	02745	27316	80	00742	30382	8-	81648	00018	5-	05648	18385
245	73	02855	28226	8-	01954	00084	00	00850	22210	50	01863	24303
260	53	08473	24114	50	08462	00022	00	05850	00040	50	05663	26203
277	70	01752	27413	24	00751	25211	00	00720	25210	50	01763	25203
279	5-	25557	00087	53	08464	20225	50	05563	20203	57	05563	22114
285	53	22734	26467	5-	02847	32327				20	01635	30585
288	36	05556	30287	5-	08458	28128	00	05530	22110	00	05850	18103
273	-	47309	00049							50	01762	13102
301	5-	41464	01144	5-	45364	00044	00	45180	00040	5-	45156	00046
325	53	01664	20415	53	05554	26225	5-	08467	24167	00	47390	24140
290	50	01843	30463	80	01744	30414	50	05544	25214	50	05641	25201
295	5-	05657	30327	5-	05658	30188	50	05562	00022	00	08450	26200
310	-	05536	26426	-	48109	26420				-	46109	16549
316	5-	05566	26226	5-	41468	30248	5-	45367	28147			
333	2-	25747	28387	5-	02656	32386	5-	05658	32128			
334												
340	5-	05547	28127	50	25645	32185	5-	43348	00048	5-	05646	00016
136	56	25653	29486	86	25653	28383	8-	25665	27385			
336	54	01753	14414	54	02754	24416				51	43754	16328
350	5-	05568	26328							5-	05468	28228
364	5-	05665	26215									
375	5-	05667	28327	50	22564	28264	5-	05558	28228	50	05654	28214
390	53	05564	26426	53	08454	26365	5-	08468	28217	5-	08468	28248
385	53	05666	28227	5-	05667	28127	5-	05568	28128	5-	08448	00028
438	50	01845	30315							5-	03548	02328
430	5-	05678	32228	5-	47367	28147	5-	08468	00028	5-	05567	00027
409	5-	02767	00007	50	01763	28113	50	05651	00011	5-	05653	00023

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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th December 1940.

1 S.E. England	Light or moderate W to N.W. winds. Mainly fair. Rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light W. to N.W. wind. Fair today. Much fog tonight and tomorrow.
5 S.W. England	Rather cold.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate westerly wind. Fair. Rather cold, 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.	Moderate or fresh westerly wind. Occasional showers and bright intervals. Average temperature.
14 Mid Scotland	
15 N. E. Scotland	Fresh or strong W. to N.W. wind, veering N. later. Cloudy. Occasional showers, some rain tomorrow. Average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind light or moderate, mainly S.W. to W. Bright intervals. Local fog tonight and tomorrow. Rather cold, becoming milder.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

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

GENERAL INFERENCE.

An anticyclone over the Bay of Biscay is drifting slowly south. A depression off N.W. Norway is moving S.E. and an associated trough north of the Faroes is moving slowly south. There will be occasional showers and bright intervals in North Scotland and some fog tonight in the S.W. Elsewhere weather will be mainly fair.

FURTHER OUTLOOK.

Mainly fair in the south, unsettled in the north.

Forecasts issued at 10.30. 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.

Morning of
Saturday 28th December,
1940.

Clark's Projection Scale 1: 4x10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—○

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:—○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded.

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

OBSERVATIONS at 1 hr. G.M.T. 28th December														OBSERVATIONS at 7 hr. G.M.T. 28th December														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.				State of Ground. (29)	Sea. (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)	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 (12)	10-10 (13)		0-10 (26)	10-10 (27)		
1	London (Kew) ... 18	1035.3	+	*	*	*	*	*	*	*	*	*	1035.3	-4	WN	2	m	39	92	4	5	-	-	10	10	2500	1	*	43	39	36	Tr	-	0.2				
	Croydon ... 217	1035.5	+	2	NW	2	m	38	92	4	5	-	-	10	10	2000	1035.1	-2	NW	1	m	38	97	4	5	-	-	10	10	2000	1	*	41	37	35	Tr	0.1	0.0
	S. Farnborough ... 226	1036.5	0	W	1	z	38	92	5	5	-	-	-	10	10	4000	1035.8	-6	W's	1	3	38	97	4	5	-	-	9+	9+	4600	1	*	42	37	35	Tr	-	0.3
	Boscombe Down ... 417	1036.8	-2	-	0	z	37	92	5	5	-	-	-	10	10	2000	1036.3	-4	WNW	2	z	37	97	5	5	-	-	9+	9+	2000	1	*	41	35	30	-	-	1.8
	Calshot (Stmntn.) ... 8	1036.5	+2	NW	1	z	40	92	5	5	-	-	-	10	10	4500	1036.1	-2	-	0	z	37	97	5	5	-	-	7.8	9+	5500	1	*	42	37	34	Tr	-	2.6
	Lympne ... 346																																					
	Manston ... 154																																					
2	Shoeburyness ... 11	1034.5	0	NW	3	m	37	97	4	5	-	-	-	9+	9+	4000	1032.7	-4	NW	2	m	39	92	4	5	-	-	10	10	4000	1	*	44	37	33	0.1	Tr	0.7
	Felixstowe ... 15	1034.5	0	NW	2	bc	38	85	6	5	-	-	-	9+	9+	4500	1034.2	-2	NW	2	m	37	92	4	5	-	-	9+	9+	4500	1	1	45	37	34	0.2	Tr	2.5
	Gorleston ... 5	1033.5	0	NNW	2	bc	38	85	6	5	-	-	-	4.6	4.6	2500	1032.9	-2	W	2	bc	35	92	6	5	-	-	4.6	4.6	2500	1	2	45	32	31	0.4	0.4	1.3
	Mildenhall ... 19	1035.0	+2	WNW	2	z	35	97	6	5	-	-	-	10	10	3000	1034.1	-6	W	2	m	37	92	4	5	-	-	9+	9+	3800	1	*	43	34	25	0.1	Tr	0.6
	Cranwell ... 240	1035.3	-2	WNW	4	z	39	85	5	5	-	-	-	10	10	2500	1034.7	-2	WN	4	F	33	97	0	*	-	-	10	10	1500	0	*	43	32	30	Tr	Tr	0.0
3	Birmingham ... 535	1036.6	-2	-	0	z	39	97	5	5	-	-	-	10	10	4000	1036.4	-4	NW	2	m	39	92	4	5	-	-	4.6	4.6	1500	1	*	42	39	35	Tr	-	0.0
	Upper Heyford ... 408	1036.6	-2	-	0	z	39	97	5	5	-	-	-	10	10	4000	1035.6	-2	NW	2	z	39	92	5	5	-	-	10	10	1200	1	*	41	37	34	0.1	-	*
4	Ross-on-Wye ... 223	1036.6	-2	-	0	z	39	97	5	5	-	-	-	10	10	4000	1036.0	-4	SW	1	m	36	97	4	5	-	-	10	10	2500	1	*	42	36	33	-	-	1.3
5	Hartland Point ... 299	1037.7	-2	N	3	bc	44	85	8	2	-	-	-	4.6	4.6	2000	1036.6	-6	SSE	2	bc	40	92	8	2	-	-	4.6	4.6	2000	0	2	45	39	32	-	-	2.2
	Bristol ... 209	1037.4	+2	-	0	z	38	92	5	5	-	-	-	9+	9+	4500	1036.3	-6	WNW	1	z	37	97	6	5	-	-	10	10	5500	1	*	42	37	32	-	-	1.3
	Portland Bill ... 32	1036.8	-4	N	2	c	43	85	7	5	-	-	-	10	10	2500	1035.9	-8	N	2	c	42	92	7	5	-	-	10	10	2500	1	3	45	40	*	-	-	*
	Plymouth ... 82	1028.5	-6	NW	1	m	35	97	4	-	-	-	-	0	0	-	1037.5	-6	-	0	c	33	97	4	5	-	-	2.3	2.3	2000	3	1	45	32	21	-	-	6.3
	The Lizard ... 240	1038.2	-4	NNW	2	c	40	92	8	2	-	-	-	7.8	9+	2500	1037.0	-4	NNW	2	c	42	92	7	5	-	-	9	10	2000	0	2	45	38	*	-	-	6.7
	Scilly (St. Mary's) ... 163	1039.0	0	-	0	b	35	85	7	8	-	-	-	1	1	2500	1037.6	-6	-	0	b	40	85	7	5	-	-	1	1	2500	1	1	49	38	*	-	-	4.5
	Guernsey ... 175																																					
6	Pembroke ... 142	1037.3	-4	N'E	1	bF+	39	97	1	-	-	-	-	0	0	-	1036.9	0	W	1	if	39	97	6	2	-	-	7.8	7.8	2500	1	1	46	35	*	-	Tr	2.5
7	Holyhead ... 26	1036.8	-2	WNW	4	c	43	92	7	5	3	-	-	4.6	7.8	3500	1035.4	-10	SE	2	b	38	97	7	5	-	-	7.8	7.8	3500	1	1	47	37	30	-	-	1.2
	Chester (Segland) ... 16	1036.3	-2	NW	1	z	41	97	5	5	-	-	-	9	9	5500	1035.5	-6	-	0	if	36	97	3	5	-	-	7.8	7.8	4600	1	*	44	34	29	0.1	-	0.1
8	Manchester ... 70	1036.6	-2	ENE	1	F	34	97	1	*	-	-	-	10	10	1500	1035.4	-8	SE	1	F+	37	97	1	*	-	-	10	10	1500	1	*	38	31	26	-	-	0.0
10	Spurn Head ... 29	1034.2	0	W	3	c	39	97	6	5	-	-	-	7.8	7.8	2500	1033.4	-4	W's	3	z	38	92	5	4	-	-	4.6	4.6	2500	0	3	42	36	*	0.3	0.3	2.0
	Catterick ... 175	1035.0	-2	-	0	b	37	92	7	-	-	-	-	0	0	-	1033.8	-8	WNW	3	b	37	97	7	-	-	0	0	-	0	*	44	37	29	Tr	-	-	0.5
	Tynemouth ... 108	1034.4	-4	NW	4	b	36	92	6	-	-	-	-	0	0	-	1032.6	-8	NW	3	b	36	92	6	-	-	0	0	-	1	2	43	35	31	1	-	*	
11	St. Abbs Head ... 280	1032.8	-4	NW	4	b	37	75	7	4	-	-	-	Tr	Tr	3000	1031.4	-6	WNW	4	bc	38	85	7	4	-	-	2.3	2.3	3000	0	2	44	37	*	Tr	-	*
	Leuchars ... 36	1033.4	-6	NW	2	b	37	85	8	-	-	-	-	0	0	-	1030.8	-14	WSW	3	bc	35	92	7	-	-	0	4.6	-	1	*	47	33	27	-	-	0.4	
12	Rentrev (Abbots I.) ... 19	1035.4	-6	W	1	z	36	97	5	-	-	-	-	0	0	-	1032.6	-18	NW	2	z	33	97	5	5	-	-	7.8	7.8	3000	1	*	46	31	21	-	Tr	4.1
	Eskdalemuir ... 794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	1033.8	-8	SW	2	bc	31	92	7	-	-	0	2.3	-	3	*	43	30	24	-	-	3.4	
	Point of Ayre ... 30	1036.3	0	NNW	3	b	45	97	8	5	-	-	-	1	1	2500	1034.2	-14	SWW	3	b	33	97	8	5	-	-	Tr	1	1	46	33	*	-	-	1.7		
13A	Tiree ... 22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	1029.8	-16	SWW	4	c	46	92	7	5	-	-	9+	9+	2100	0	3	48	34	*	-	Tr	3.9
13B	Stornoway ... 80	1031.2	-18	SSW	2	bc	40	85	8	5	-	-	-	2.3	2.3	2500	1027.2	-22	SSW	3	c	44	85	7	5	-	-	4.6	9									

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday 29th December 1940.
No. 28892.

MINISTRY.

OF THE METEOROLOGICAL OFFICE.

28th December

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EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

q, squalls. r, rain. s, snow.
 rs, sleet. t, thunder.
 u, ugly, threatening sky.
 v, unusual visibility. w, dew.
 x, hoar frost. y, dry air.
 z, dust haze: the turbid atmosphere of dry weather.
 h(r), "hail" or "rain and hail."
 Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus.
 R, heavy rain. r_o, slight rain.
 rr, continuous rain.
 <, less than (for cloud height). /gale.
 ☉ Solar halo. ☾ lunar halo. ☄ Aurora.
 With present weather is combined, whenever possible, the general character of the weather.
 A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.

"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.

"9+" signifies an overcast sky with a few small openings.

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, -Ce	Cirrostratus, -Ci
	Stratocumulus, -Sc	Stratus, -St	Nimbostratus, -Ns
	COLUMN 29 — ST		
0 ..	Ground dry.		7 ..
1 ..	" wet.		
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 Ca covering whole sky.
- 8 Ca not increasing and not covering whole sky.
- 9 Co predominating, and a little cirrus.

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

COLUMN 29 — STATE OF GROUND.

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

8. . . " covered with snow, less than 6 ins., but ground frozen.

il. 9. . . " covered with snow greater than 6 ins. deep.

- . . Fresh snow has fallen in the mountains.

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

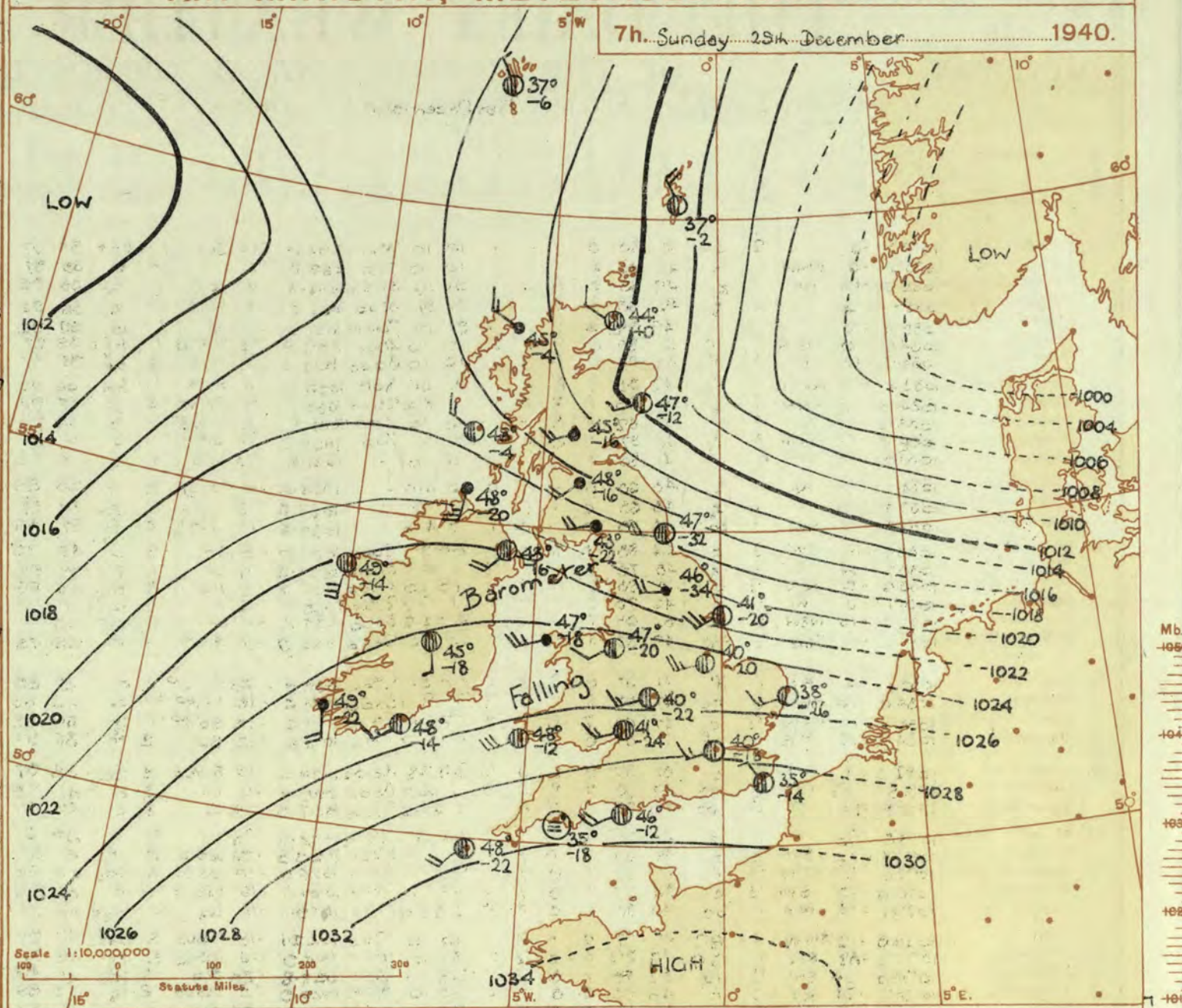
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 29th December	18h. G.M.T.	01h. G.M.T. 30th December	07h. G.M.T.
III C ₁ C ₂ wwVhN ₁ DDFWN ₁ C ₁ C ₂ wwVhN ₁ DDFWN ₁	C ₁ C ₂ wwVhN ₁ DDFWN ₁	C ₁ C ₂ wwVhN ₁ DDFWN ₁	C ₁ C ₂ wwVhN ₁ DDFWN ₁
109 6- 61658 23568	6- 53638 55668	6- 64538 56458	5- 02755 29355
115 52 62685 55888	-- 67103 53569	52 14844 61566	-- 67203 12289
203	5- 64648 20568	5- 52648 20458	
206 57 02865 24387	87 25864 22385	50 22854 22264	8- 02855 24185
210 57 02864 21428	52 61855 55468	5- 61848 54568	5- 22747 24467
220			6- 54428 27358
230 5- 52648 18458	6- 53428 54568	02 54538 55568	52 02746 22468
245 57 22654 20368	52 61556 22368	57 01764 55425	52 51665 22457
260 57 02762 20227	53 02754 20326	5- 61745 57465	52 22746 55468
277 57 05664 22426		5- 51668 22458	51 05645 56668
279	57 05663 22325	-- 05548 16428	5- 05648 20568
285 23 02685 24516	3- 02637 28627		
288 57 02790 18220	07 02790 20227	57 01752 22314	5- 61667 22567
273 76 05663 21105			
301 5- 05656 22246	50 05654 23224	50 05654 24364	52 61656 24368
321 00 08490 24114	53 05564 22228	50 05663 23223	5- 05667 22127
299 50 05643 23315	5- 05546 22316	50 05644 22514	5- 64648 22568
292 57 05651 20215	5- 05653 17113	57 02745 22416	5- 22748 22618
310 -- 47200 20440			
316 00 08490 20145	03 08490 20125	57 05564 20217	57 05556 22417
383 00 48190 00041	5- 05667 22247	5- 05657 22328	5- 05658 22428
334			
340 00 01790 24214	50 01764 20214	8- 31766 21286	5- 02757 20487
126 00 05590 22845	03 08490 22314	03 05590 19423	03 05690 21516
356 14 01854 24315	14 01753 24314		
350 50 05642 22227			
368			
379 50 05652 26314	00 05690 24112	50 47254 23144	5- 05656 22326
390 5- 41468 25848	00 47390 00010	00 45190 20140	53 45355 23248
382 00 05690 00013	03 08490 00013	5- 08465 24245	5- 02767 22227
438 5- 03658 02228			8- 02658 24228
430 5- 05677 00047	50 47272 00042	00 43190 00040	5- 08458 00028
409 54 02762 19227	03 05690 16128	5- 05658 14168	-- 61648 17268

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, N₁ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C₁, C₂ = 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. Sunday 29th December 1940.



DISTRICTS.

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

1 S.E. England	
2 E. England	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotl ^d 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	

Moderate S.W. wind, fresh locally on coasts; mainly cloudy; occasional rain or drizzle; average temperature.

Moderate or fresh S.W. wind, strong locally on coasts; cloudy; occasional rain, rather mild.

Light or moderate north wind perhaps backing and freshening; bright intervals and local wintry showers at first; perhaps rain later; rather cold; frost locally at night.

Moderate S.W. or S. wind; fresh locally; mainly cloudy; occasional rain; rather mild.

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

GENERAL INFERENCE.

A trough of low pressure over Scotland is moving South, and there are some indications of a depression approaching from the Atlantic. Weather will be cloudy with occasional rain in most districts, but it will be very slight in the South. Temperature will be generally higher than of late, but it will fall somewhat in Scotland.

FURTHER OUTLOOK.

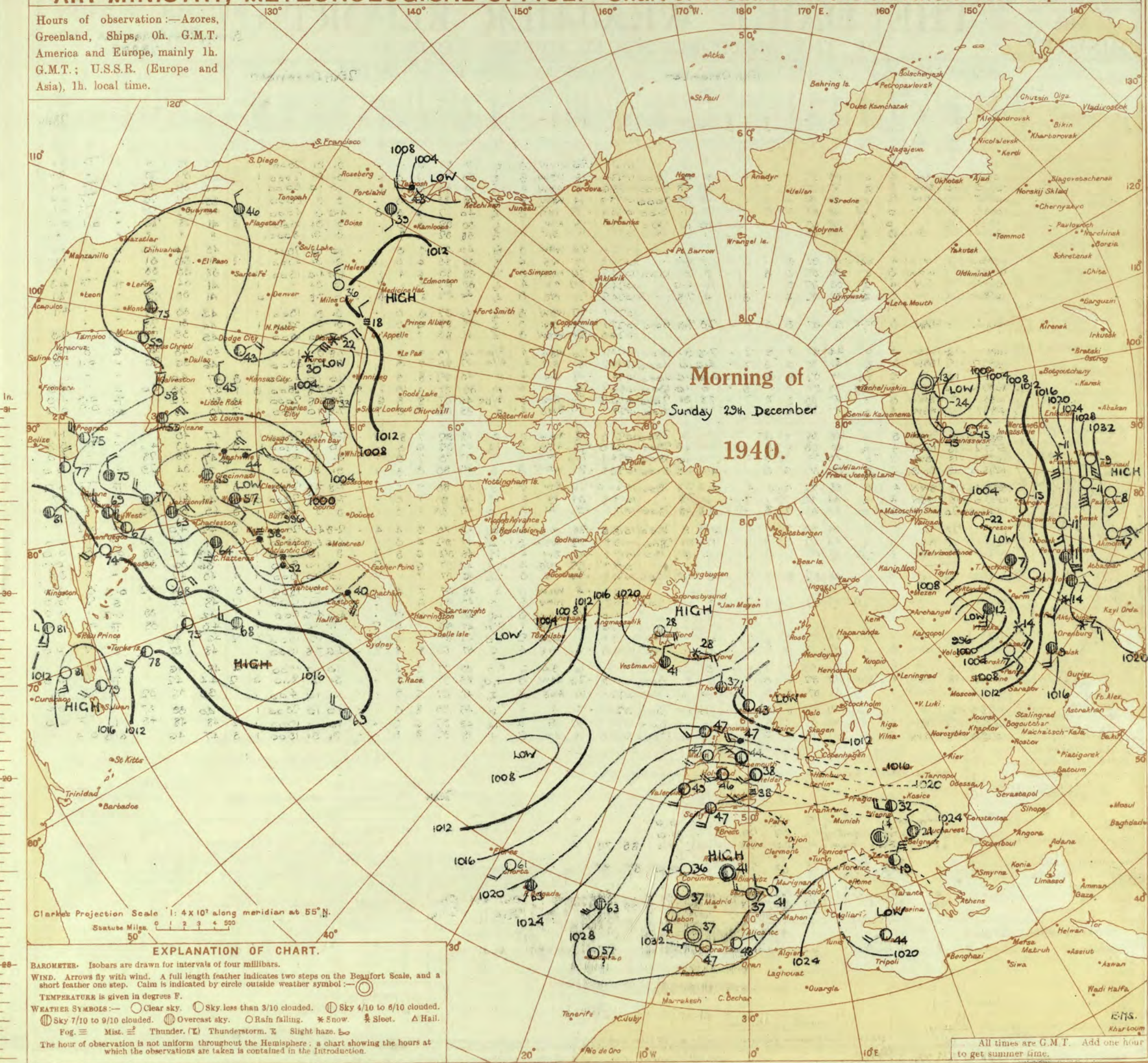
Unsettled.

★ Gale warning issued 0430h 29/12/40 in Dogger and Forties.

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.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 20th December...															OBSERVATIONS at 7 hr. G.M.T. 20th December...															PAST 24 HOURS.								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.			SUN-SHINE Hrs.					
					Direc.	Force.					Low.	Med.	High.			Low 0-10	Total 0-10					Height of Base (feet).	Direc.	Force.			Low.	Med.	High.	Low 0-10	Total 0-10	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.
1	London (Kew) ... 18	*	*	*	*	*	*	*	*	*	*	*	1027.7	-2.0	SWW	3		38	85	6	5	-	-	3. 3. 25.00	1	*	42	33	19	-	-	Tr	0.0					
	Croydon ... 217	1031.4	-1.0	SW	3	38	82	3	5	-	-	3. 3. 25.00	1028.1	-1.8	WSW	3	2	40	85	5	5	-	-	3. 3. 25.00	1	*	40	32	23	-	-	Tr	0.0					
	S. Farnborough ... 226	1032.5	-1.0	SWW	3	35	87	6	5	-	-	7-8 7-8 5.00	1028.6	-1.8	WSW	4	0/p	38	85	5	5	-	-	1.0 1.0 5.00	1	*	42	32	24	-	-	Tr	0.0					
	Boscombe Down ... 417	1032.7	-1.0	SW	2	35	87	4	5	-	-	7-8 7-8 5.00	1028.6	-2.4	WSW	4	2	38	85	5	5	-	-	1.0 1.0 5.00	1	*	43	32	24	-	-	Tr	0.4					
	Calshot (Stmntn.) ... 8	1033.9	-8		0	33	87	3	5	-	-	7-8 7-8 5.00	1029.4	-2.2	WS	3	2	40	82	5	3	-	-	4-6 3 4.00	1	*	44	32	27	-	-	Tr	0.1					
	Lymington ... 346	1032.2	-1.0		0	29	87	1	5	-	-	10 10 15.00	1028.8	-1.4	NW	1	2	35	82	5	5	-	-	3. 3. 15.00	1	3	41	28	25	-	-	0.1	0.0					
	Manston ... 154	1031.4	-1.2	SW	3	34	87	5	5	-	-	1 1 25.00	1027.4	-2.0	SW	4	2	38	82	5	5	-	-	3. 3. 25.00	1	*	*	*	*	*	*	*	*					
2	Shoeburyness ... 11	*	*	*	*	*	*	*	*	*	*	*	1027.4	-2.0	WSW	3		40	85	5	5	-	-	1.0 1.0 25.00	1	*	43	34	24	-	-	Tr	0.1					
	Felixstowe ... 15	1030.0	-1.8	WS	4	37	87	5	-	3	-	0 4-6 -	1026.3	-1.8	WS	4	0/p	38	85	5	5	-	-	3. 3. 15.00	1	2	41	30	31	-	-	Tr	1.1					
	Gorleston ... 5	1028.8	-1.6	WSW	3	36	82	5	5	-	-	3 3 15.00	1024.7	-2.6	WSW	3	6	38	85	5	4	-	-	4-6 4-6 15.00	1	1	38	33	33	-	-	Tr	1.7					
	Mildenhall ... 19	1029.2	-1.8	SW	4	35	82	5	-	3	-	0 4-6 -	1024.8	-2.2	SW	4	2	38	82	5	-	7	-	0 3. -	1	*	41	34	25	Tr	Tr	0.8						
	Cranwell ... 240	1028.0	-2.4	W	5	37	82	6	-	3	-	0 7-8 -	1024.2	-2.0	WS	3	2	40	82	5	3	-	-	0 7-8 -	0	0	41	35	32	-	-	Tr	2.1					
3	Birmingham ... 535	*	*	*	*	*	*	*	*	*	*	*	1026.7	-2.2	WSW	3		40	82	5	5	-	-	3. 3. 15.00	1	*	43	35	32	-	-	Tr	4.1					
	Upper Heyford ... 408	1031.4	-1.4	SW	3	37	87	5	5	-	-	2-3 2-3 5.00	1027.2	-2.2	SW	3	2	38	82	5	5	-	-	3. 3. 5.00	1	*	44	31	23	-	-	Tr	*					
4	Ross-on-Wye ... 223	1031.4	-1.4	SW	3	37	87	5	5	-	-	2-3 2-3 5.00	1026.5	-2.4	WSW	3	2	41	85	7	5	-	-	1.0 1.0 15.00	1	*	45	35	23	-	-	Tr	2.3					
5	Hartland Point ... 299	1031.1	-1.6	WSW	3	44	85	7	8	2	-	7-8 3+ 15.00	1027.8	-2.0	WSW	4	0/p	40	85	7	8	2	-	7-8 3+ 15.00	1	3	45	43	41	2	3	1.6						
	Bristol ... 209	1032.2	-1.2	SW	3	41	85	6	5	7	-	4-6 10 4.00	1028.3	-1.8	SW	4	0/p	42	85	7	5	-	-	3. 3+ 33.00	1	*	46	36	26	-	-	0.1	1.9					
	Portland Bill ... 32	1032.4	-1.0	W	2	45	82	4	5	-	-	4-6 4-6 4.00	1028.1	-1.2	SW	4	0	40	82	8	5	-	-	1.0 1.0 4.00	1	3	47	40		-	-	Tr						
	Plymouth ... 82	1033.6	-1.6	WS	3	35	87	4	-	3	-	0 10 13.00	1030.2	-1.8	SW	5	0	35	87	4	5	-	-	2-3 7-8 25.00	3	12	47	33	30	-	-	Tr	4.5					
	The Lizard ... 240	1033.1	-8	SWW	3	47	85	8	8	2	-	7-8 9+ 2.00	1030.2	-2.0	SW	5	0/p	46	87	8	6	-	-	7-8 7-8 2.00	1	3	51	44		-	-	Tr	4.9					
	Scilly (St. Mary's) ... 163	1032.7	-1.0	BSW	4	47	85	8	8	7	-	7-8 3+ 15.00	1029.1	-2.2	SWS	4	2	48	82	7	5	-	-	7-8 1.0 15.00	1	2	40	45		-	-	Tr	0.2					
	Guernsey ... 175																																					
6	Pembroke ... 142	1031.3	-1.8	WSW	5	48	75	7	5	-	-	3+ 3+ 25.00	1027.3	-1.2	SWW	6	0	48	82	7	8	2	-	7-8 1.0 25.00	1	2	47	45	*	-	-	Tr	1.1					
7	Holyhead ... 26	1028.2	-1.8	SWW	4	46	85	6	5	-	-	2-3 2-3 25.00	1024.5	-1.8	WSW	5	id	47	82	6	5	-	-	1.0 1.0 25.00	1	3	47	38	28	-	-	Tr	5.3					
	Chester (Sealand) ... 16	1028.5	-1.8	SW	3	45	75	6	5	-	-	10 10 45.00	1024.4	-2.0	WS	5	2	47	85	7	5	-	-	0 9. 45.00	1	*	47	38	28	-	-	Tr	4.8					
8	Manchester ... 70	1028.0	-1.8	SWS	3	39	82	6	5	-	-	4-6 4-6 3.00	1023.8	-2.2	WSW	3	2	42	85	5	5	-	-	3. 3. 28.00	1	*	39	34	29	-	-	Tr	0.0					
10	Spurn Head ... 29	1023.4	-1.8	SWW	4	38	82	6	5	4	-	4-6 7-8 25.00	1020.6	-2.0	SW	5	0	41	85	7	5	-	-	7-8 7-8 25.00	1	3	43	35	*	Tr	Tr	0.2						
	Catterick ... 175	1023.0	-1.8	WSW	4	44	85	7	-	7	-	0 7-8 -	1018.8	-3.4	W	4	0	46	85	7	5	-	-	7-8 7-8 25.00	1	3	44	41	36	-	-	Tr	4.7					
	Tynemouth ... 108	1023.0	-2.0	NW	5	44	85	7	8	-	-	7-8 7-8 25.00	1017.6	-3.2	W	6	0	47	85	7	5	-	-	3 3 25.00	1	3	45	38	36	-	-	Tr	*					
11	St. Abbs Head ... 280	1019.1	-2.4	W	5	46	85	8	4	5	-	4-6 9+ 25.00	1018.6	-2.4	W	6	bcq	48	85	8	4	4	-	2-3 4-6 25.00	1	3	42	40	*	-	-	Tr	0.2					
	Leith ... 36	1019.1	-2.0	WSW	6	44	82	6	5	2	-	4-6 3+ 25.00	1018.8	-2.2	WSW	5	0	47	82	6	5	-	-	4-6 4-6 25.00	1	*	41	40	33	-	-	Tr	0.0					
12	Renfrew (Abbots L.) ... 19	1021.4	-3.2	WSW	4	45	82	5	5	*	*	0 10 17.00	1017.1	-1.6	SW	4	0/p	45	82	6	5	2	-	3 10 16.00	1	*	43	42	38	0.1	0	Tr	0.0					
	Eskdalemuir ... 794												1017.7	-2.2	WS	4	0/p	43	87	6	-	-	-	1.0 1.0 8.00	1	*	36	36	35	-	-	Tr	0.0					
	Point of Ayre ... 30	1025.8	-1.4	WS	4	45	82	8	5	2	-	3 10 25.00	1024.3	-2.0	W	3	0/p	46	87	7	-	2	-	1.0 1.0 15.00	1	3	40	42		-	-	Tr	3.4					
13A	Tiree ... 22	*	*	*	*	*	*	*	*	*	*	*	1016.3	-4	WNW	3	0	48	87	7	5	-	-	3. 3. 18.00	1	3	48	44	42	0.3	3	0.0						
13B	Stornoway ... 80	1017.2	-1.2	WSW	3	47	82	7	5	2	-	3 10 1.00	1016.8	-4	WNW	3	0	45	82	6	5	2	-	3 10 1.00	1	2	48	44		5	1	0.0						
15	Dalwhinnie ... 1176												1016.0	-1.6	WSW	3	id	45	82	6	5	-	-	4-6 4-6 8.00	1	1	42	41	39	0.3	1	0.0						
	Aberdeen ... 79	*	*	*	*	*	*	*	*	*	*	*	1012.6	-1.2	WSW	1	0/p	47	85	7	5	2	-	Tr 1.0 4.00	1	2	43	41	38	Tr	0.1	0.0						
	Wick ... 81	1013.4	-1.2	WNW	4	47	87	7	5	6	-	4-6 7-8 15.00	1012.4	0	WNW	2	0/d	44	87	7	5	-	-	1.0 1.0 15.00	1	2	46	43		1	3	0.0						
16	Lerwick ... 156	1011.0	-2	WNW	3	43	82	6	8	7	-	4-6 9 8.00	1010.5	-2	NW	4	0	37	85	8	8	7	-	4-6 7-8 15.00	1	*	48	37		1	2	0.0						
17	Blacksod Point ... 18	1025.3	-6	S	3	50	85	7	5	-	-	3. 3+ 15.00	1022.3	-1.4	SW	6	0/p	49	87	6	6	-	-	1.0 1.0 15.00	1	4	48	46	*	0.6	1	*						
18	Malin Head ... 84	1022.7	-1.8	SWW	4	47	82	6	5	-	-	3 9 15.00	1020.3	-2.0	SSW	5	0/p	48	87	6	5	-	-	3. 3+ 8.00	1	2	44	42	*	Tr	2	0.0						
	Aldergrove ... 268	1025.3	-1.8	SWW	3	41	87	6	5	-	-	10 10 7.00	1022.3	-1.6	SWS	4	2	43	87	6	5	-	-	1.0 1.0 4.00	1	*	36	36	32	Tr	2	0.0						
19	Birr Castle ... 173	1028.6	-8	S	1	42	82	8	5	-	-	10 10 25.00	1024.8	-1.8	S	1	0	45	85	8	5	-	-	1.0 1.0 25.00	1	*	40	39	37	-	-	Tr	0.0					
20	Valentia Obsy. ... 30	1028.5	-1.2	SSW	3	48	85	7	5	-	-	10 10 15.00	1024.4	-2.2	S	4	id	49	82	6	5	-	-	1.0 1.0 15.00	1	2	48	48	45	-	-	Tr	0.0					
	Roches Point ... 22	1029.3	-1.2	SW	3	47	85	8	6	1	-	7-8 3 15.00	1022.3	-1.4	SW	3	0/p	48	82	8	5	-	-	3. 3. 15.00	1	3	47	46	*	0.3	0.4							

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet.	Barom.	Wind.	Weather.	Temp.	Humid.	Visibility.	Sun-shine.	Atmospheric Pollution.
Kew ... 18									
Croydon ... 217									
Greenwich (Royal Observatory) ... 149									
City (Bunhill Row) ... 27									
Westminster (St. James' Park) ... 168									
Regents Pk. (Botanic Gardens) ... 110									
Camden Square ... 80									
Kensington ... 450									
Hampstead Observatory ... 450									

FOREIGN OBSERVATIONS.

STATIONS.	Barom.	Wind.	Weather.	Temp.	Barom.	Wind.	Weather.	Temp.	Max.	Min.	Rainfall.
PARIS ...											
BRUSSELS ...											
BERLIN ...											
ZÜRICH ...											
ROME ...											

Weather

Morning. Afternoon. Night.

24 hrs. ended 9h.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.	Yester.	To-day.
18	49	33				0.0	
217	50	34				0.0	
149	51	35				0.0	
—	52	36				0.0	
27	53	37				0.0	
168	54	38				0.0	
110	55	39				0.0	
80	56	40				0.0	
450	57	41				0.0	

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 30th December 1940.
No. 28,833

OBSERVATIONS at 13h. G.M.T. 29th December.

OBSERVATIONS at 18h. G.M.T. 29th December.

PAST 24 HOURS.

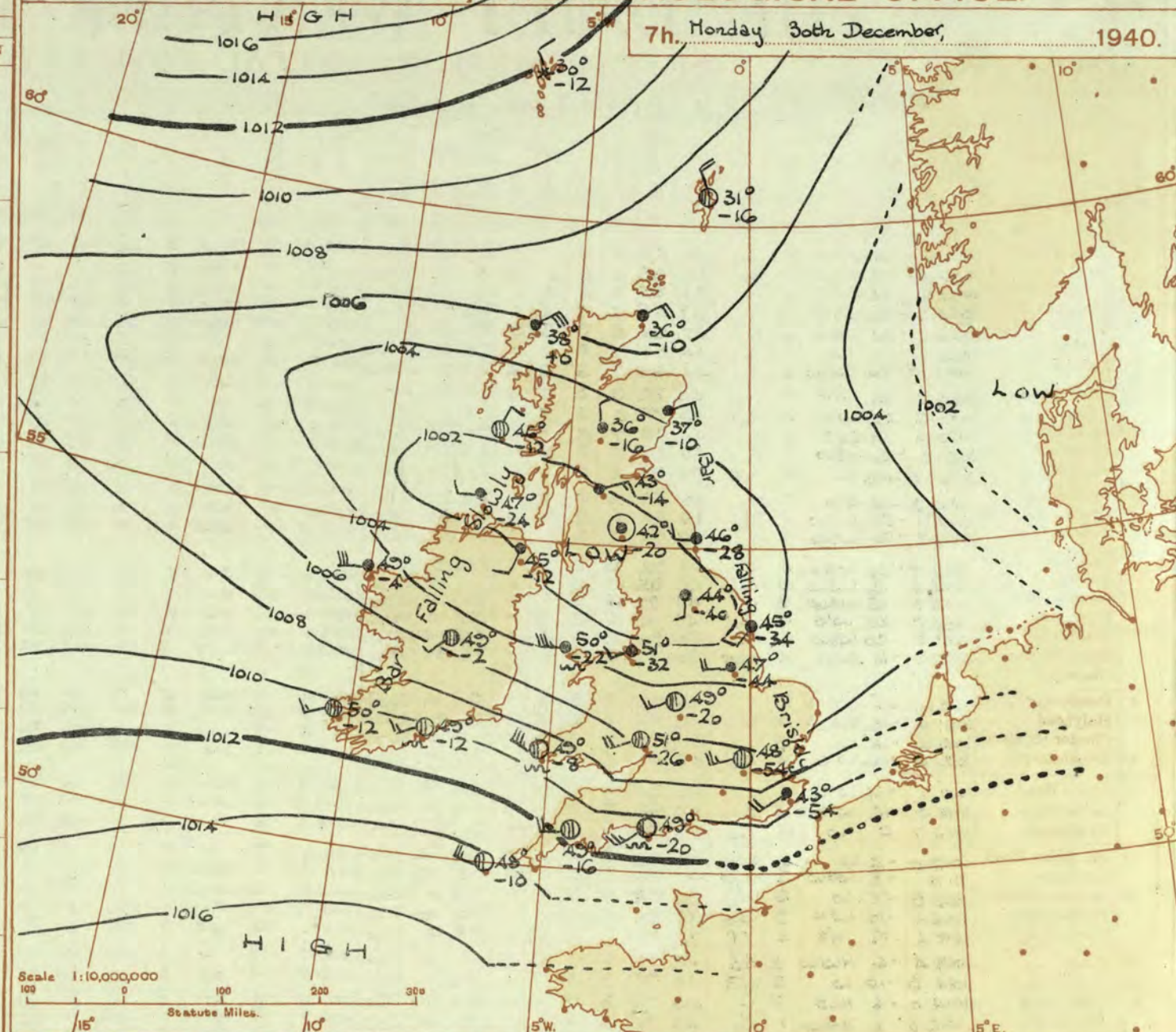
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity 0-9 (22)	Cloud.				Barom. at M.S.L. (29)	Change in 3 hours. (30)	WEATHER.							
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount. Low 0-10 Total 0-10 (12) (13)	Height of Base. (feet) (14)	Direc. (17)			Force 0-12 (18)	Form. (23)					Amount Low 0-10 Total 0-10 (26) (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)			7h.—13h. ..25..h (37)	13h.—18h. ..20..h (38)	18h.—24h 1h.—3a..h (39)	1h.—7h. ..3a..h (40)				
1	London (Kew)...	1024.0	-2.4	WSW	4	Zo	44	85	6	5	-	9	1500	1022.0	-1.6	SWW	3	Zo	45	85	6	5	-	2	4.6	7.8	2500	1	*	Cu	cb	cc	cc		
	Croydon ...	1025.2	-2.2	WSW	3	Zo	44	85	6	5	4	2	9	3000	1022.2	-0.8	SWW	3	Zo	45	85	6	5	-	7	7.8	3000	1	*	Cu	cb	cc	cc		
	S. Farnborough	1025.7	-2.2	WSW	4	C	44	85	7	5	3	1	9	3400	1022.9	-1.2	SWW	3	C	44	85	7	5	-	7	7.8	3000	1	*	Cu	cb	cc	cc		
	Boscombe Down	1025.9	-2.2	WSW	4	C	47	85	7	7	3	1	7.8	3500	1023.3	-0.8	SWW	3	C	45	86	7	5	-	4.6	9	3000	1	*	Cu	cb	cc	cc		
	Calshot (Soton.)	1026.3	-2.4	WSW	4	C	47	85	8	5	3	5	2.3	4500	1023.6	-1.4	WSW	3	Zo	47	92	6	5	-	10	10	4000	1	2	Cu	cb	cc	cc		
	Lympne	1025.6	-2.2	W	3	C	44	85	7	5	7	1	7.8	5000	1022.8	-1.6	W	3	C	44	85	7	5	-	9	9	4000	1	2	Cu	cb	cc	cc		
	Manston	1024.0	-2.6	WSW	5	C	44	85	7	5	3	4	2.3	4500	1021.4	-1.4	WSW	4	Zo	44	92	6	5	-	10	10	3300	1	2	Cu	cb	cc	cc		
2	Shoeburyness ...	1024.7	-1.8	WS	3	C	45	75	5	5	7	4	7.8	4000	1021.5	-1.4	WS	3	C	45	85	5	5	-	10	10	2500	1	*	Cu	cb	cc	cc		
	Felixstowe ...	1023.0	-2.2	WS	6	16	45	75	6	5	7	-	4.6	9	6000	1020.3	-1.4	W	5	Zo	45	85	6	5	-	7.8	10	4000	1	3	Cu	cb	cc	cc	
	Gorleston ...	1026.4	-2.0	WS	3	C	44	85	7	8	-	-	-	-	1018.6	-1.2	WS	3	C	45	85	6	5	-	10	10	2000	1	2	Cu	cb	cc	cc		
	Mildenhall ...	1021.5	-2.6	WSW	5	C	45	85	7	5	3	-	4.6	9	4000	1019.2	-1.4	WSW	4	10	45	85	6	5	-	7.8	10	3000	1	*	Cu	cb	cc	cc	
	Cranwell	1020.2	-2.8	W	6	c/r	43	85	6	5	-	-	3	9	1500	1018.1	-1.6	W	5	Zo	45	85	6	5	-	10	10	2000	1	*	Cu	cb	cc	cc	
3	Birmingham	1022.3	-1.2	SW	3	C	45	85	6	5	7	-	7.8	9	1500	1022.0	-0.8	SWW	3	C	46	85	7	5	-	7.8	7.8	1500	1	*	C	cc	cc	cc	
	Upper Heyford	1024.1	-2.6	WSW	4	Zo	44	85	6	5	7	-	9	9	2500	1022.0	-0.8	SW	3	Zo	45	85	7	5	-	7.8	10	1000	1	*	Cu	cb	cc	cc	
	Ross-on-Wye ...	1023.7	-2.0	WSW	3	C	46	85	7	5	1	-	9	10	2500	1020.9	-0.8	WSW	4	C	48	75	7	5	-	9	10	1500	1	*	Cu	cb	cc	cc	
5	Hartland Point	1024.9	-2.8	WSW	4	C	47	92	8	5	2	-	2.3	5	1500	1022.6	-1.6	SW	3	C	47	85	7	5	-	7.8	10	3000	1	*	Cu	cb	cc	cc	
	Bristol ...	1025.6	-1.8	WSW	4	C	46	85	7	5	7	-	1	10	1600	1022.6	-1.6	SW	4	C	47	92	7	5	-	7.8	10	3000	1	*	Cu	cb	cc	cc	
	Portland Bill	1026.9	-1.6	WSW	3	C	47	92	8	5	7	-	10	10	4000	1023.0	-2.0	SW	4	C	47	92	7	5	-	10	10	4000	1	3	Cu	cb	cc	cc	
	Plymouth	1027.5	-2.2	WS	3	Zo	49	92	6	5	7	-	2.3	10	1800	1024.6	-1.6	SW	5	Zo	48	97	6	6	2	4.6	10	1600	1	2	Cu	cb	cc	cc	
	The Lizard	1027.8	-2.0	WSW	5	bc	50	92	8	8	6	-	4.6	4.6	2500	1024.6	-2.0	WSW	6	C	48	97	7	8	2	7.8	10	2000	1	4	Cu	cb	cc	cc	
	Scilly (St. Mary's)	1027.1	-1.6	WS	4	c/pr	50	75	8	5	6	-	7.8	9	1800	1023.5	-1.4	WSW	4	r	49	92	7	5	-	10	10	1500	1	2	Cu	cb	cc	cc	
	Guernsey	1024.3	-1.6	WSW	5	C	50	92	7	8	2	-	9	10	3000	1020.6	-1.4	SW	5	C	49	92	7	5	2	7.8	10	2500	1	3	Cu	cb	cc	cc	
	Chester (Sealand)	1021.6	-1.8	WSW	4	C	48	92	7	5	2	1	4.6	9	2600	1017.7	-2.2	WSW	4	c/r	48	92	6	5	2	4.6	10	2200	1	2	Cu	cb	cc	cc	
	Manchester	1021.6	-1.4	WS	4	Zo	47	85	6	5	3	-	7.8	9	2500	1018.3	-1.8	SW	2	c/r	45	92	5	5	7	7.8	10	2500	1	*	Cu	cb	cc	cc	
10	Spurn Head	1017.1	-1.4	WS	6	C	45	85	6	4	4	-	4.6	7.8	3600	1015.4	-0.8	SWW	4	10	48	85	6	5	-	10	10	1500	0	3	C	cc	cc	cc	
	Catterick	1016.9	-1.8	WS	4	C	49	85	6	4	4	6	4.6	9	2500	1014.8	-0.8	WSW	5	10	47	85	7	5	-	7.8	9	3200	0	3	C	cc	cc	cc	
	Tynemouth	1016.7	0	W	5	Zo	48	85	6	8	-	-	9	9	2400	1014.5	-1.6	NW	5	10	48	92	6	8	-	9	9	1200	1	2	C	cc	cc	cc	
11	St. Abbs Head	1013.0	-2	WSW	6	bc	50	75	8	4	9	2.3	4.6	2500	1011.2	-0.8	W	5	bc	49	85	8	4	1	2.3	4.6	2500	0	3	Cu	cb	cc	cc		
	Leuchars	1013.1	-8	WSW	3	bc	51	85	8	5	4	6	2.3	2.3	3500	1011.4	-0.6	WNW	3	C	45	92	8	-	7	6	0	7.8	-	1	*	Cu	cb	cc	cc
12	Reafrow (Abbots L.)	1015.5	-1.4	WS	3	bc	50	92	6	5	7	-	7.8	10	2500	1012.7	-1.0	WSW	4	c/r	48	92	6	5	7	4.6	9	1800	1	*	Cu	cb	cc	cc	
	Eske Dalemuir	1016.1	-1.0	WSW	3	bc	47	92	6	5	-	-	10	10	9200	1013.4	-1.4	WSW	2	10	45	92	6	5	-	10	10	800	1	*	Cu	cb	cc	cc	
	Point of Ayre	1016.4	-1.2	WS	4	cc	47	87	7	5	2	-	7.8	10	1500	1015.9	-1.6	WS	4	dd	46	97	6	-	2	10	10	1500	1	3	Cu	cb	cc	cc	
13A	Tiree	1015.4	-6	NW	3	dd	48	97	5	-	2	5	10	10	600	1012.0	-1.4	-	0	dd	47	85	5	-	2	10	10	600	1	2	Cu	cb	cc	cc	
13B	Stornoway	1014.5	-10	W	3	c/d	46	87	7	5	7	6	7.8	9	600	1011.9	-4	NE	3	dd	43	97	6	5	2	10	10	800	1	2	Cu	cb	cc	cc	
15	Dalwhinnie	1014.6	-6	NW	2	C	45	75	8	8	-	4	4.6	7.8	2500	1012.0	-1.4	SW	2	C	43	75	7	5	-	9	9	2500	1	*	Cu	cb	cc	cc	
	Aberdeen	1012.9	-2	NNW	1	1/6	45	92	6	6	-	-	10	10	450	1011.9	-0.8	NNW	1	10	41	97	4	-	2	10	10	800	1	2	Cu	cb	cc	cc	
	Wick	1012.5	-4	NNW	2	C	42	82	8	5	7	8	7.8	9	2500	1011.4	-0.6	NNW	3	C	41	85	7	5	7	7.8	9	1500	1	1	Cu	cb	cc	cc	
16	Lerwick...	1011.4	-2	NNW	4	C	38	85	8	8	7	-	7.8	9	2500	1011.4	0	NNE	5	C	35	85	7	8	7	7.8	10	1500	1	*	Cu	cb	cc	cc	
17	Blacksod Point...	1018.7	-1.8	SW	3	1/6	50	97	7	6	-	-	10	10	1500	1012.8	-2.8	S	3	rr	51	97	6	6	-	10	10	800	1	3	Cu	cb	cc	cc	
18	Malin Head	1017.7	-1.8	WS	5	dd	48	97	6	6	-	-	9	9	800	1013.7	-2.4	W	4	10	48	97	6	8	-	9	9	800	1	2	Cu	cb	cc	cc	
	Aldergrove	1019.7	-1.8	SSW	3	c/r	44	97	6	5	-	-	10	10	600	1016.0	-2.0	SW	3	dr	45	97	5	-	2	10	10	3000	1	*	Cu	cb	cc	cc	
19	Birr Castle	1021.9	-1.8	SW	1	C	49	85	8	5	1	-	4.6	10	2500	1015.8	-3.0	SW	1	rr	48	97	6	5	-	10	10	2500	1	*	Cu	cb	cc		

Abridged observations of additional stations in the
AVIATION WEATHER CODE

AVIATION WEATHER CODE															
13h. G.M.T. 20th Dec.				18h. G.M.T.				01h. G.M.T. 30th Dec.				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	5	02966	28326	5	02754	30224	5	52538	02458	5	23746	03376			
115	-	67209	04369	52	02834	12267	52	62735	12468	52	62735	41668			
203	5	81848	24418	5	52738	24-58	5	25838	20288						
206	5	51866	24157	02	58538	00068	02	52648	00058	02	62648	04468			
210	5	62737	26168	62	21648	00058	02	52648	00058	02	62538	36558			
226	5	02834	24214	*2	45390	25148				62	03645	29328			
230	5	58648	22368	02	58418	22168	-	67209	00059	6	64528	00068			
245	8	02945	18155	5	61656	08227	5	05648	02328	5	52538	04358			
260	5	05664	24415	52	05345	24228	52	61538	00058	02	52528	02258			
277	5	51767	22568	52	64645	21368	02	52518	16168	6	62648	24368			
279	6	22636	24568	5	05648	24468	02	52428	22458	02	64438	00068			
285										5	62738	26368			
288	5	02856	24427	57	02766	20228	57	02756	20328	02	62548	20168			
273															
301	5	61656	23458	02	62558	23468	52	64534	20168	02	54538	18168			
325	5	05682	25567	57	05552	22326	5	62578	22368	02	62578	20368			
299	5	02744	24526	5	25648	24588	5	05548	23428	5	64448	23268			
296	5	02934	24526	57	61735	22428	5	02738	17268	5	47338	16268			
310										-	67109	20349			
316	5	05547	22427	57	05554	22455	02	62648	22468	52	58546	23368			
333	5	02844	20427	6	21636	53458	62	62636	19468	5	51646	22566			
334															
340	5	02865	22327	5	02748	20228	5	64648	18368	5	02757	21367			
136	5	05654	21567	5	05658	22528	5	05648	18458	5	62628	18468			
336										62	81644	24688			
350	5	05665	18527							52	61628	20568			
368	5	02754	23428												
379	5	05646	22327	5	05648	22428	6	62628	22468	5	22627	22527			
390				57	08454	24428	5	05558	16428	62	62526	17468			
388	5	02855	22427	5	02748	21228	6	64648	20368	5	22638	22468			
438	5	02868	24528												
430	5	22655	24366	5	05568	22488	5	63558	53568	52	51425	24458			
409	5	64668	27149	6	22638	19468	02	62538	9568	02	51518	56468			

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_M = 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. Monday 30th December 1940
1 S.E. England	Moderate or fresh southwest to west wind, strong on coasts veering north west later and decreasing; mainly cloudy; rain at times; mild becoming colder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate southwest wind fresh or strong locally on coasts veering north to northeast and decreasing; rain at first changing to sleet or snow; becoming colder.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light or moderate northeast wind; dull; rain at first changing to snow; perhaps bright intervals later; cold frost at night.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	Moderate northeast wind; some snow at first; bright intervals; snow showers later; cold, frost at night.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate west wind veering north; cloudy; occasional rain; snow locally later; becoming colder.
18 N. E. Ireland	
19 S. E. Ireland	Moderate or fresh southwest wind; cloudy; rain at times; average temperature.
20 S. W. Ireland	

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

GENERAL INFERENCE.

A depression over southwest Scotland is moving east-southeast and deepening, and further depressions are approaching from the Atlantic. There will be rain in most areas and snow in North Scotland which will spread to many northern districts within 24 hours.

There is a risk of snow within the next 2 or 3 days even in the South.

FURTHER OUTLOOK.

Cold in the North with some snow. Perhaps snow in the Midlands and South.

† Gale warning issued 0150 30/12/40 in districts 1 (part of) and 5.

Forecasts issued at 10.30
H.M.S.O. Press, Cornwall House S.E.

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
Monday 30th December
1940.

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

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:—○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. △ Sleet. △ Hail.
Fog. ≡ Mist. ≡ Thunder. (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.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 30th December 1940.

No. 28,893

OBSERVATIONS at 1 hr. G.M.T. 30th December.....														OBSERVATIONS at 7 hr. G.M.T. 30th December.....														PAST 24 HOURS.														
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (29)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	TEMPERATURE.				RAINFALL.		SUNSHINE Hrs.
					Dir.	Force.					Low.	Med.	High.	Form.	Amount.			Height of Base (feet).	Low.					Med.	High.	Form.	Amount.			Height of Base (feet).	State of Ground.					Sea.	Max. Day 71-15h °F.	Min. Night 15h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1006.4	-5.0	SWW	4	47	87	6	5	-	-	10	10	1000	1	*	46	44	40	-	7	0.4	*							
	Croydon	217	1016.5	-38	WSW	3	47	85	6	2	-	10	10	1200	1007.3	-5.4	WSW	3	48	87	7	5	-	-	10	10	1000	1	*	46	44	41	-	7	0.2	*						
	S. Farnborough	226	1016.4	-38	SW	5	47	87	6	5	-	10	10	1400	1007.6	-4.6	SWW	4	48	87	6	5	-	-	10	10	700	1	*	47	43	38	-	5	0.1	*						
	Boscombe Down	417	1016.0	-42	SW'S	4	47	87	6	2	-	10	10	1000	1008.5	-3.4	WSW	5	48	87	6	5	-	-	10	10	1200	1	*	47	44	42	-	6	0.2	*						
	Calshot (Stmntn.)	8	1017.4	-38	WSW	6	47	87	6	5	-	10	10	1000	1009.2	-4.0	WSW	4	48	87	6	5	-	-	10	10	1000	1	50	48	45	44	-	5	0.1	*						
	Lympe	346	1018.2	-28	SW	4	46	87	6	2	-	10	10	1200	1010.0	-5.4	SW	4	48	87	5	5	-	-	10	10	400	1	*	*	*	*	*	*	*	*	*					
	Manston	154	1016.3	-34	SW	5	46	87	6	5	-	10	10	1200	1006.8	-5.6	SWS	6	48	87	5	6	-	-	7.8	10	600	1	*	*	*	*	*	*	*	*	*					
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1006.7	-6.0	SWW	4	48	87	5	6	-	-	7.8	10	1500	1	*	45	44	42	Tr	4	1.4	*							
	Felixstowe	15	1014.7	-28	WSW	4	46	85	6	7	-	9	10	1500	1005.3	-5.6	SW	5	48	87	5	6	-	-	7.8	10	800	1	3	46	42	41	Tr	5	0.0	*						
	Gorleston	5	1013.8	-28	WS	4	46	85	6	7	-	10	10	1500	1004.8	-5.6	SWW	3	46	87	6	6	-	-	10	10	800	1	2	46	45	43	Tr	5	0.1	*						
	Mildenhall	19	1013.3	-30	SWW	5	46	85	6	5	-	10	10	1200	1005.3	-5.4	SWW	4	47	87	6	6	-	-	10	10	800	1	*	46	45	*	Tr	12	0.2	*						
	Cranwell	240	1012.1	-34	WS	5	45	82	6	6	-	10	10	800	1005.1	-4.4	W	4	47	87	5	6	-	-	10	10	300	2	*	46	44	43	Tr	7	0.0	*						
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1003.9	-2.0	WSW	3	49	87	6	6	-	-	9.1	3	800	1	*	47	45	44	-	4	0.0	*							
	Upper Heyford	408	1015.0	-38	SWW	4	44	87	6	6	-	9	10	800	1007.0	-3.0	SW	3	48	87	6	5	-	-	7.8	10	800	1	*	49	44	44	-	7	0.0	*						
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1006.0	-2.6	SWW	4	51	85	7	5	-	-	9	9	1500	1	*	49	46	44	-	3	0.0	*							
5	Hartland Point	299	1012.8	-46	SW	6	47	87	6	2	-	10	10	1000	1010.8	-1.2	W	5	47	87	1	-	-	10	10	1150	1	4	48	47	46	Tr	7	0.0	*							
	Bristol	209	1013.1	-46	SSW	4	47	87	6	2	-	10	10	1000	1008.8	-2.2	WSW	6	48	87	6	5	-	-	10	10	700	1	*	48	45	42	Tr	9	0.3	*						
	Portland Bill	32	1017.6	-36	SW	5	47	87	7	5	-	10	10	2500	1010.2	-2.0	SW	5	48	87	7	5	-	-	10	10	2500	1	4	48	44	42	Tr	10	0.0	*						
	Plymouth	82	1017.7	-36	SW	6	48	87	5	2	-	10	10	800	1012.6	-1.6	W	4	49	87	6	6	-	-	7.8	7.8	1000	1	3	49	47	47	Tr	13	0.0	*						
	The Lizard	240	1016.3	-34	SW	7	48	87	5	5	-	10	10	1500	1013.3	-1.2	WNW	6	48	87	4	5	-	-	10	10	1000	1	4	50	47	*	Tr	7	0.3	*						
	Scilly (St. Mary's)	163	1016.7	-28	SW	5	49	87	5	5	-	9	10	800	1014.1	-1.0	WNW	5	48	87	6	5	-	-	4.6	4.6	800	1	3	50	48	48	Tr	4	0.8	*						
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
6	Pembroke	142	1012.0	-28	WSW	7	48	87	5	5	-	7.8	10	2000	1009.8	-3.8	WNW	7	48	87	7	8	-	-	4.6	4.6	2000	1	4	48	47	46	Tr	13	0.0	*						
7	Holyhead	26	1008.2	-32	SWS	4	48	87	5	5	-	10	10	1500	1003.1	-2.2	W	7	50	87	6	5	-	-	10	10	300	1	4	48	47	46	Tr	8	0.0	*						
	Chester (Sealand)	16	1009.9	-30	SE	2	47	87	6	2	-	10	10	1700	1002.9	-3.2	WSW	2	48	87	6	5	-	-	10	10	1300	1	*	50	47	46	Tr	3	0.1	*						
8	Manchester	70	1010.4	-46	S	3	46	87	5	2	-	10	10	800	1002.1	-3.4	WS	4	48	87	5	5	-	-	7.8	10	700	2	*	49	45	42	Tr	8	0.0	*						
10	Spurn Head	29	1009.7	-26	SWW	3	46	87	7	5	-	10	10	1500	1001.6	-3.4	SWS	2	48	87	6	5	-	-	10	10	1500	0	1	46	42	42	Tr	4	0.0	*						
	Catterick	175	1008.8	-38	W	0	47	87	7	5	-	7.8	10	2500	1001.6	-4.0	W	3	44	87	5	5	-	-	10	10	800	1	*	50	45	43	Tr	3	1.0	*						
	Tynemouth	108	1008.6	-26	W	0	47	87	6	5	-	10	10	1500	1002.8	-2.8	W	2	46	87	4	5	-	-	10	10	1500	1	2	48	45	42	Tr	3	0.0	*						
11	St. Abbs Head	280	1007.4	-26	NW	1	46	87	5	5	-	10	10	1500	1002.8	-2.4	NE	3	48	87	7	5	-	-	7.8	10	2000	1	2	50	42	*	Tr	3	0.0	*						
	Leuchars	36	1007.2	-26	NE	1	48	87	5	2	-	10	10	700	1003.8	-1.8	NE	2	48	87	5	5	-	-	5	10	1200	1	*	52	40	38	Tr	2	1.7	*						
12	Renfrew (Abbots I.)	19	1007.1	-30	SWW	2	47	87	5	2	-	10	10	1200	1002.8	-1.4	NE	3	48	87	5	6	-	-	7.8	10	700	1	*	50	43	42	Tr	2	0.0	*						
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1001.5	-2.0	W	0	42	87	5	-	-	-	10	10	1150	1	*	48	42	41	Tr	2	0.0	*							
	Point of Ayre	30	1008.6	-38	-	0	47	87	7	2	-	10	10	1500	1002.2	-2.0	WNW	3	48	87	7	-	-	10	10	1500	1	2	47	46	46	Tr	8	0.0	*							
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1001.8	-1.2	NNE	2	46	87	6	-	-	-	10	10	1500	1	2	48	40	*	Tr	2	0.0	*							
13B	Stornoway	80	1008.6	-18	NE	2	48	87	6	5	-	9	10	1000	1006.4	0	NE	3	48	87	6	5	-	-	5	10	1000	1	3	47	37	*	Tr	1	0.4	0.0						
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1003.0	-1.6	NE	1	48	87	4	5	-	-	10	10	800	1	*	46	34	30	Tr	0.2	0.3	0.0							
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1004.3	-1.0	ENE	4	48	87	5	-	-	-	10	10	800	1	3	48	37	36	Tr	3	0.0	0.0							
	Wick	81	1008.4	-16	E	4	48	85	7	5	-	7.8	10	1500	1006.3	-1.0	NE	4	48	85	6	5	-	-	7.8	10	1500	1	2	45	34	*	Tr	1	2	0.0						
16	Lerwick	156	1009.6	-16	N	3	48	82	8	6	-	4.6	7.8	1500	1006.5	-1.6	WNW	4	48	87	7	5	-	-	4.6	7.8	1500	4	*	48	39	39	Tr	0.3	Tr	0.0						
17	Blacksod Point	18	1008.1	-4	W	3	48	87	6	6	-	10	10	800	1008.1	-4	W	6	48	87	6	6	-	-	9	9	800	1	3	48	48	*	Tr	3	2	0.0						
18	Malin Head	84	1006.5	-28	SW	1	47	87	5	3	-	9	9	450	1002.5	-2.4	W	2	47	87	1	3	-	-	10	10	450	1														

AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION
Tuesday 31st December 1940.
No. 28894.

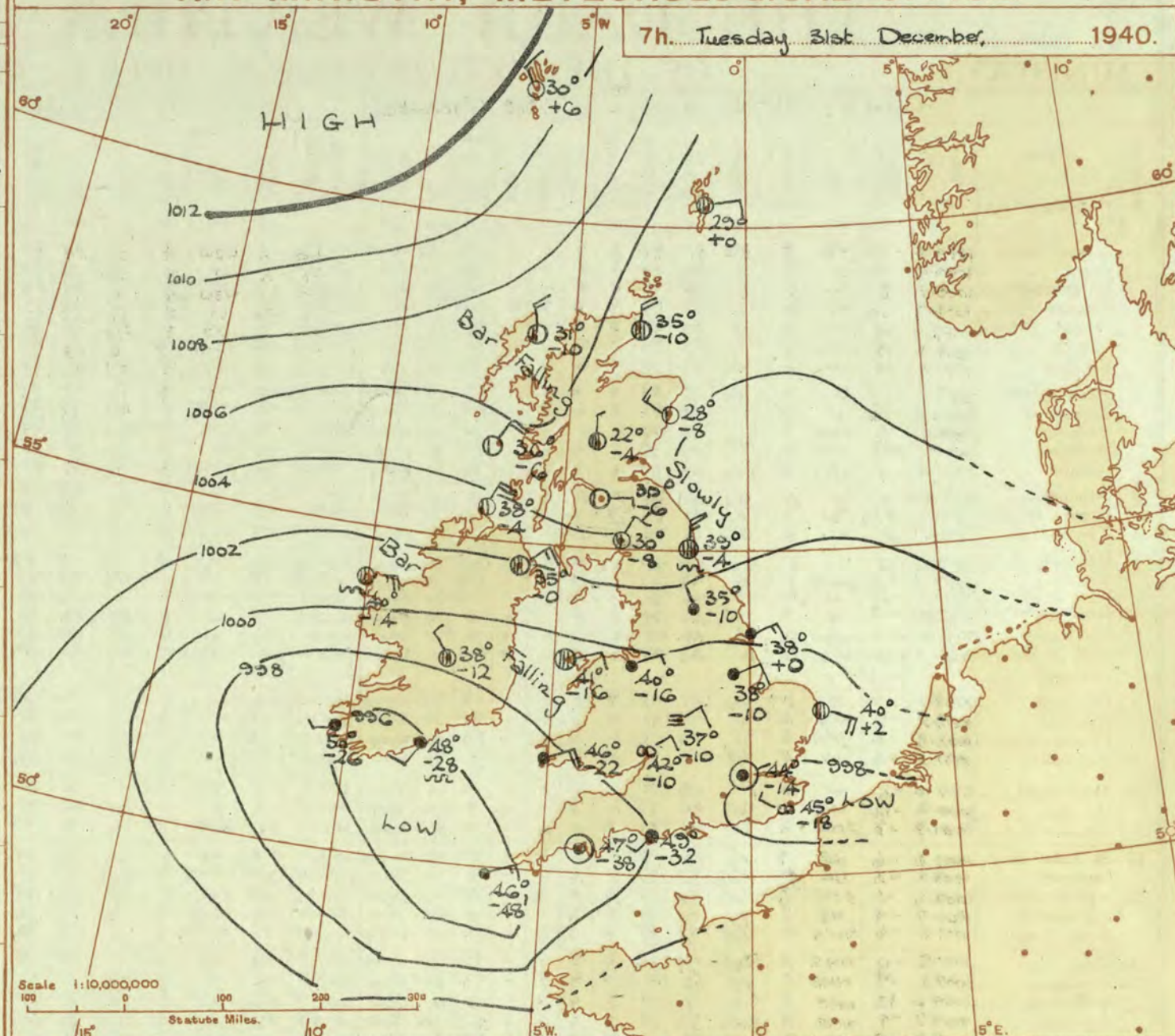
OBSERVATIONS at 13h. G.M.T. 30th December														OBSERVATIONS at 18h. G.M.T. 30th December														PAST 24 HOURS.										
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.				State of Ground. 0-9	Sea. 0-9	WEATHER.										
				Dir.	Force.					Form.	Amount.	Height of Base (feet)	Low.			Med.	High.					Form.	Amount.	Height of Base (feet)	Low.			Med.	High.	7h.—13h. 30th	13h.—18h. 30th	18h.—30th 1st	1h.—7h. 31st					
1	London (Kew)...	1004.4	-10	W	5	2	51	85	6	-	10	10	1500	1004.0	-2	WSW	4	2	50	85	6	5	-	10	10	1500	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci		
	Croydon ...	1004.4	-12	W	5	2	50	85	7	-	10	10	900	1004.1	-2	W	3	2	49	85	6	5	-	10	10	1000	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci		
	S. Farnborough	1005.9	-8	W	5	2	49	92	8	5	-	10	600	1005.0	-2	WSW	4	2	49	85	7	5	-	10	10	3000	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci		
	Boscombe Down	1006.8	-10	W	6	2	49	85	7	7	8	4-6	1500	1005.6	-22	W	5	1	48	82	6	6	-	9	9	1200	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci		
	Calshot (Soton.)	1007.4	-14	WNW	6	2	50	86	8	5	-	10	10	1500	1006.5	-2	W	3	2	49	82	6	5	-	7	7-8	10	1400	1	2	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
	Lymington	1005.2	-18	WSW	4	2	49	85	8	5	-	10	700	1004.6	+2	WNW	5	2	49	85	8	5	7	-	7-8	9	800	1	1	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci	
	Manston	1002.2	-22	WSW	6	2	51	92	7	6	2	-	7-8	10	900	1002.6	+2	WSW	5	2	48	85	6	5	-	10	10	3600	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
2	Shoeburyness ...	1003.2	-20	SW	4	2	49	85	4	6	2	-	7-8	10	1500	1003.3	+2	W	3	2	49	85	5	5	-	9	9	1500	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
	Felixstowe ...	1000.9	-22	W	6	2	49	97	5	6	2	-	7-8	10	800	1000.7	-2	WN	5	2	49	85	6	5	-	9	9	3000	1	3	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
	Gorleston ...	999.6	-2	WNW	3	2	49	92	6	6	2	-	10	1000	999.3	-6	WNW	4	2	49	85	6	5	-	10	10	1500	1	2	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci	
	Mildenhall ...	1000.1	-14	WN	6	2	50	97	7	6	2	-	7-8	10	500	1000.4	-6	W	5	2	49	85	6	5	-	7-8	10	2400	1	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
	Cranwell ...	1001.5	0	WNW	4	2	48	97	4	6	-	-	10	10	200	1000.8	-2	WNW	6	2	47	85	6	5	-	10	10	200	2	*	Cmo	Cmo	ci	ci	Cmo	Cmo	ci	ci
3	Birmingham	1003.3	0	W	4	2	51	85	7	5	-	-	10	10	1500	1003.3	0	W	5	2	48	85	7	5	-	10	10	800	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	Cir
	Upper Heyford	1005.1	+2	W	5	2	51	85	8	5	-	-	9	9	1100	1004.1	-6	W	5	2	49	85	7	5	-	10	10	2000	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	Cir
4	Ross-on-Wye ...	1006.1	0	W	3	2	51	85	8	5	-	-	10	10	1500	1005.0	-4	W	5	2	51	85	8	5	-	10	10	2500	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	Cir
5	Hartland Point	1005.6	-12	W	4	2	49	87	7	5	2	-	7-8	10	1000	1005.0	-12	W	4	2	48	87	8	5	-	9	9	2500	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Bristol ...	1007.4	-10	WNW	5	2	48	97	7	5	2	-	7-8	10	900	1006.8	-2	W	5	2	48	97	6	5	-	10	10	800	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	Cir
	Portland Bill ...	1009.5	-12	W	4	2	50	92	8	5	2	-	7-8	10	4000	1008.5	-10	W	5	2	50	92	8	5	-	10	10	2500	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Plymouth ...	1011.6	-12	W	4	2	50	92	6	5	-	-	10	10	900	1009.8	-8	W	4	2	50	92	6	5	-	9	9	500	1	2	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	The Lizard ...	1013.0	-10	WNW	6	2	49	97	4	5	-	-	10	10	1000	1011.2	-6	W	6	2	49	97	3	5	-	10	10	800	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Scilly (St. Mary's)	1012.7	-10	W	5	2	50	97	6	5	2	-	7-8	10	800	1011.6	-8	W	4	2	50	97	5	5	-	10	10	800	1	3	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Guernsey	1012.7	-10	W	5	2	50	97	6	5	2	-	7-8	10	800	1011.6	-8	W	4	2	50	97	5	5	-	10	10	800	1	3	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
6	Pembroke ...	1008.1	-4	W	7	2	51	92	7	8	7	-	7-8	9	2000	1006.8	-2	W	5	2	50	92	7	8	-	7-8	9	2000	1	3	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
7	Holyhead ...	1003.9	-6	W	6	2	49	85	8	5	-	-	9	9	2200	1002.5	-10	W	6	2	50	85	7	5	-	9	9	2500	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Chester (Sealand)	1002.8	-8	WN	6	2	50	85	6	6	2	-	7-8	10	1000	1001.3	-10	W	5	2	50	85	7	5	-	9	9	3800	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
8	Manchester ...	1001.5	-6	W	5	2	48	97	5	6	2	-	9	10	600	1000.5	-8	W	5	2	48	97	5	5	-	7-8	10	2000	2	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
10	Spurn Head ...	999.4	-2	W	3	2	43	97	1	5	-	-	10	10	800	998.4	-4	WN	2	2	43	97	1	5	-	10	10	800	0	2	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Catterick ...	1000.2	-12	N	2	2	45	97	6	6	2	-	9	10	1000	999.7	+2	N	3	2	43	97	4	5	-	10	10	600	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Tynemouth ...	1001.7	-8	ENE	2	2	44	97	6	2	-	-	10	10	1100	1001.1	+2	ENE	3	2	41	97	6	6	-	10	10	800	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
11	St. Abbs Head	1001.6	-6	NE	4	2	39	97	3	5	2	-	7-8	10	2000	1003.4	+8	NE	4	2	35	97	7	5	-	7-8	10	2000	1	3	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Leuchars ...	1003.2	-2	NE	3	2	37	92	7	6	2	-	9	10	700	1004.5	+10	NNE	2	2	33	92	6	6	-	9	10	600	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
12	Renfrew (Abbots L.)	1002.6	-6	ENE	3	2	40	92	7	5	2	-	7-8	10	1200	1004.2	+10	ENE	2	2	36	85	6	5	-	7-8	10	1500	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Eskdalemuir ...	1000.9	-4	NE	2	2	40	92	7	6	-	-	10	10	800	1002.2	+14	NE	4	2	33	92	5	-	-	10	10	5700	1	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Point of Ayre ...	1001.2	-6	WNW	4	2	48	97	6	8	2	-	10	10	1500	1000.9	+6	WNW	4	2	43	92	7	-	-	10	10	2500	1	3	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
13A	Three ...	1001.8	0	NNE	2	2	44	85	8	5	-	-	9	9	1800	1004.9	+12	N	4	2	40	75	8	8	-	9	9	1800	1	4	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
13B	Stornoway ...	1007.2	-4	NNE	5	2	36	75	7	8	7	-	4-6	10	1500	1007.9	+2	N	4	2	33	85	7	8	-	7-8	7-8	1500	1	2	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
15	Dalwhinnie ...	1004.0	+2	NNE	4	2	31	97	3	4	-	-	0	0	4150	1004.9	+10	NE	1	2	29	97	6	5	-	10	10	800	7	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Aberdeen ...	1004.8	-4	NNE	3	2	30	85	6	6	2	-	2-3	10	800	1004.9	+2	NW	3	2	33	92	3	9	-	7-8	9	450	4	2	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
	Wick ...	1005.3	-8	N	3	2	36	65	8	5	7	-	7-8	9	1500	1005.7	0	NNE	5	2	35	92	7	3	-	7-8	7-8	1500	4	2	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
16	Lerwick ...	1005.5	-10	NE	4	2	35	75	8	8	7	-	4-6	7-8	800	1005.0	-2	NE	4	2	33	92	7	8	-	4-6	7-8	800	4	*	Cir	Cir	Cir	Cir	Cir	Cir	Cir	
17	Blacksod Point...	1006.9	-8	W	4	2	51	97	7	3	-	-	9	9	800																							

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 30th December 1940				15h. G.M.T. 31st December 1940				17h. G.M.T. 31st December 1940				19h. G.M.T. 31st December 1940			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	97	10654	64425	96	26844	00084	30	01844	02484	30	01844	04414			
115	53	02944	04466	52	10844	08484	52	83744	06386	52	83834	06385			
203				84	01944	04314									
206	62	23845	06278	01	01850	02124	50	00862	32102	50	00863	00003			
210	62	83786	06478	50	27853	02483	8-	01854	20284	8-	01855	20315			
220	52	63846	05528	5-	03646	02428									
280	5-	62648	02168				04	00890	04262	00	00900	06100			
245	6-	68638	04568	5-	23668	02278	50	00861	32511	80	00862	28402			
260	62	51626	02368	62	74435	04378	50	01763	00073	50	01754	00014			
277	52	54626	24468	50	01844	30364	5-	22858	00268	8-	02868	03388			
279	62	62646	32168	52	64637	04468				8-	85746	32386			
285	-2	64638	04268	-2	64638	04368				6-	68538	06478			
288	02	62538	02368	02	67338	28268	52	62545	04268	5-	22648	12168			
273	46	54334	23658							51	01753	04214			
301	62	05746	26568	5-	05657	26567	5-	05658	30118	5-	05658	04128			
321	02	64438	22268	62	08447	24358	52	21535	30468	02	52438	03358			
299	5-	64448	25268	5-	64638	26268	5-	62538	06668	5-	02745	06365			
292	5-	62428	00048	52	64546	30158	5-	61638	32368	52	22647	02267			
310	--	67109	20549	--	02428	24628				--	46109	26549			
316	57	55445	24368	52	05646	57458	62	51635	32458	62	52536	04358			
333	5-	0284-	24527	5-	51768	23528	5-	62648	00058	5-	64648	02168			
334															
340	5-	22847	24367	5-	02758	24328	70	01844	28364	5-	51638	08358			
136	5-	22418	28468	5-	22648	08648	5-	05628	28558	5-	21638	10358			
336	62	63535	28468	62	63756	28568				51	03754	28328			
350	53	21736	24487							5-	05638	24158			
368															
379	5-	02857	22527	5-	02758	24428	5-	05645	24325	5-	51628	06258			
390	5-	51626	23558	5-	51648	26558	50	05668	22455	5-	05648	30358			
382	5-	02747	23427	53	02755	23328	5-	21758	22458	5-	52658	01158			
438	02	03748	24628												
430	5-	05647	24327	5-	05647	24428	57	51665	24558	5-	53638	00058			
409	5-	52618	22458	52	05627	24458	5-	57308	20558	02	64518	14168			

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.
G, 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 31st December 1940

1 S.E. England	Light or moderate east to northeast wind fresh locally on coasts; dull; some rain or sleet; snow locally later; local mist; becoming cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Variable winds finally east or northeast moderate; some rain or sleet; snow locally; bright intervals later; becoming cold.
5 S.W. England	
6 South Wales ...	Light or moderate northeast wind; cloudy; occasional sleet; snow locally; bright intervals later; cold; frost at night.
7 North Wales ...	
8 N.W. England	Light or moderate northeast wind; cloudy with sleet or snow showers at first; bright intervals later; local morning fog; cold; frost at night.
9 N. Midlands ...	
10 N.E. England	Light or moderate northeast winds; bright intervals; snow showers; local morning fog; cold; frost at night.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light northeast wind; fine; local fog near large towns; cold; frost at night, severe inland.
13 { A.W. Scotld. B.N.W.Scot- land.	Light northeast wind; bright periods; local snow showers; cold; frost at night, severe inland.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate northeast wind; bright intervals; local snow showers; cold; frost at night, severe inland.
18 N. E. Ireland	
19 S. E. Ireland	Moderate northeast wind; rain at first; bright intervals and local wintry showers later; cold; frost 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.

Pressure is relatively high to north of Iceland. A depression just south of Ireland is moving east-southeast and a trough of low pressure over East Anglia and the Midlands is moving slowly South. In the North there will be bright periods and local snow showers. In the South and Midlands there will be rain or sleet at first with snow locally later but amounts of snowfall are doubtful.

FURTHER OUTLOOK.

Continuing cold in most areas; risk of heavy snowfall locally.

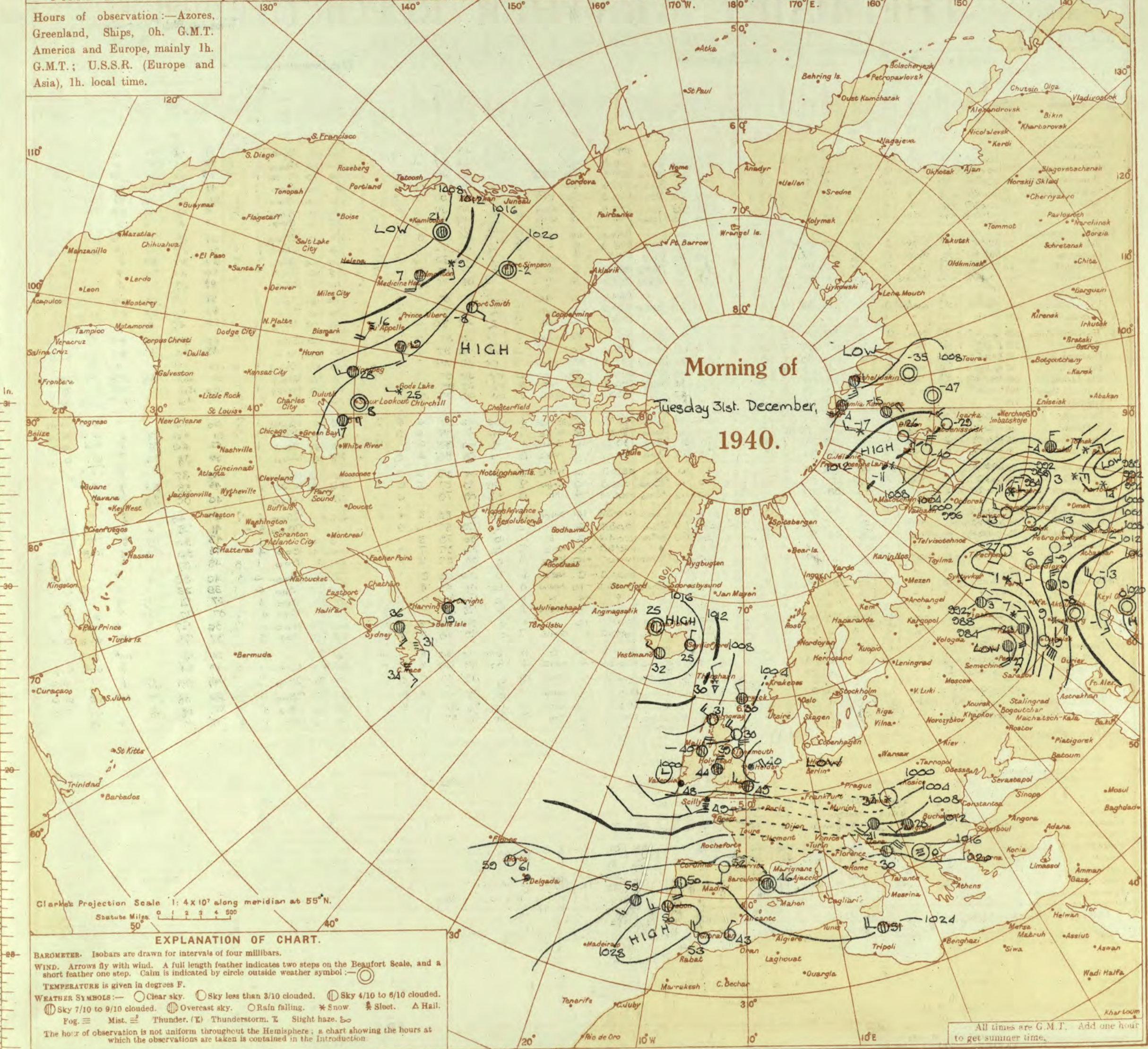
Forecasts issued at 10.30.

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

H.M.S.O. Press, Cornwall House &c.

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

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



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 31st December 1940

No. 28894

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