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THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March,

1943

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

INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1st, 1919, the British and International Sections consisting of four pages and the Upper Air Section of two pages. On 1st January, 1942, all three sections were modified. The International Section was reduced to two pages of charts supplemented at eight-day intervals by a four page tabular statement of foreign observations. The Upper Air Section was increased to four pages giving two pages of charts and diagrams and two pages of observations in tabular form. The British Section of which this forms the Introduction was modified by increasing the scale of the chart on page 2 so that it occupies the whole page, and in consequence the weather forecasts have been transferred to the front page and the table of auxiliary reports to the back page. The various codes which were formerly given on pages 1 and 4 are now incorporated in this Introduction. The increased scale of the chart on page 2 makes it possible to show the observations from a selection of stations in full, the data being set out in accordance with the "station model" adopted by the International Meteorological Conference at Warsaw in September, 1935.

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. 1 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 below, where the column numbers are shown in connexion with each of the separate classes of observation. Observations in abridged form for a further selection of stations are printed on the lower part of page 4, and can be interpreted by reference at the head of the columns and to the explanation below.

Form of Low Cloud (C_L) — Columns 10, 25, and abridged reports (page 4).

0 No low cloud.
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.

Form of Medium Cloud (C_M) — Columns 11, 26, and abridged reports (page 4).

0 No medium cloud.
1 Typical As thin).
2 Typical As (thick) (sun or moon invisible), (or 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.

Form of High Cloud (C_H) — Columns 11, 27

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

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29

Columns 13, 28. The figures in these columns indicate the amount of cloud at the height given in Columns 15, 30.
Columns 14, 29. 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 tenths; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies sky covered but with a few small openings.

Barometric Tendency—(Columns 2 and 17)
The Barometric tendency is expressed in tenths of a millibar.

Code for wind direction (DD)
Abridged observations (page 4).

Code Number	Direction	Code Number	Direction
00	Calm	16	S
		17	S by W
01	N by E	18	SSW
02	NNE	19	SW by S
03	NE by N	20	SW
04	NE	21	SW by W
05	NE by E	22	WSW
06	ENE	23	W by S
07	E by N	24	W
08	E	25	W by N
09	E by S	26	WNW
10	ESE	27	NW by W
11	SE by E	28	NW
12	SE	29	NW by N
13	SE by S	30	NNW
14	SSE	31	N by W
15	S by E	32	N

Note 33 is added to DD to denote unusual gustiness, and 67 is added if a definite squall or line squall has occurred during the preceding hour.

Code for Height above ground of base of cloud (h) Abridged reports (page 4).

0 ...	0— 150 feet
1 ...	150— 300 ,,
2 ...	300— 600 ,,
3 ...	600—1,000 ,,
4 ...	1,000—2,000 ,,
5 ...	2,000—3,000 ,,
6 ...	3,000—5,000 ,,
7 ...	5,000—6,500 ,,
8 ...	6,500—8,000 ,,
9 ...	above 8,000 feet or no low cloud

Code for cloud amount (N_h and N).
Abridged reports (page 4).

0 ...	0.	7 ...	More than 9 but with openings.
1 ...	Trace.	8 ...	10 tenths.
2 ...	1 tenth.	9 ...	Sky obscured by fog, dust storm or other phenomenon.
3 ...	2, 3 tenths.		
4 ...	4, 5, 6 tenths.		
5 ...	7, 8 tenths.		
6 ...	9 tenths.		

Code for Horizontal Visibility (V)—Columns 9, 24, and abridged reports (page 4).

	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	1¼ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

0 Calm—glassy.	5 Rough.
1 Calm—rippled.	6 Very rough.
2 Smooth.	7 High.
3 Slight.	8 Very high.
4 Moderate.	9 Phenomenal.

Rainfall—Columns 36, 37
Tr: = rain has fallen, but amount less than 0·1 m.m.

Beaufort Notation and Symbols for Weather— Columns 5, 20, 39, 40, 41, 42.

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_o, 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.

Explanations of the symbols used for cloud forms in the chart on p. 2 will be found in Form 2459, "Instructions for the Preparation of Weather Maps." H.M. Stationery Office. Price 1/- net.

Code for state of ground (E)—Column 31.

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

THE BEAUFORT SCALE OF WIND FORCE [F] Columns 4, 19

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 30 to 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.

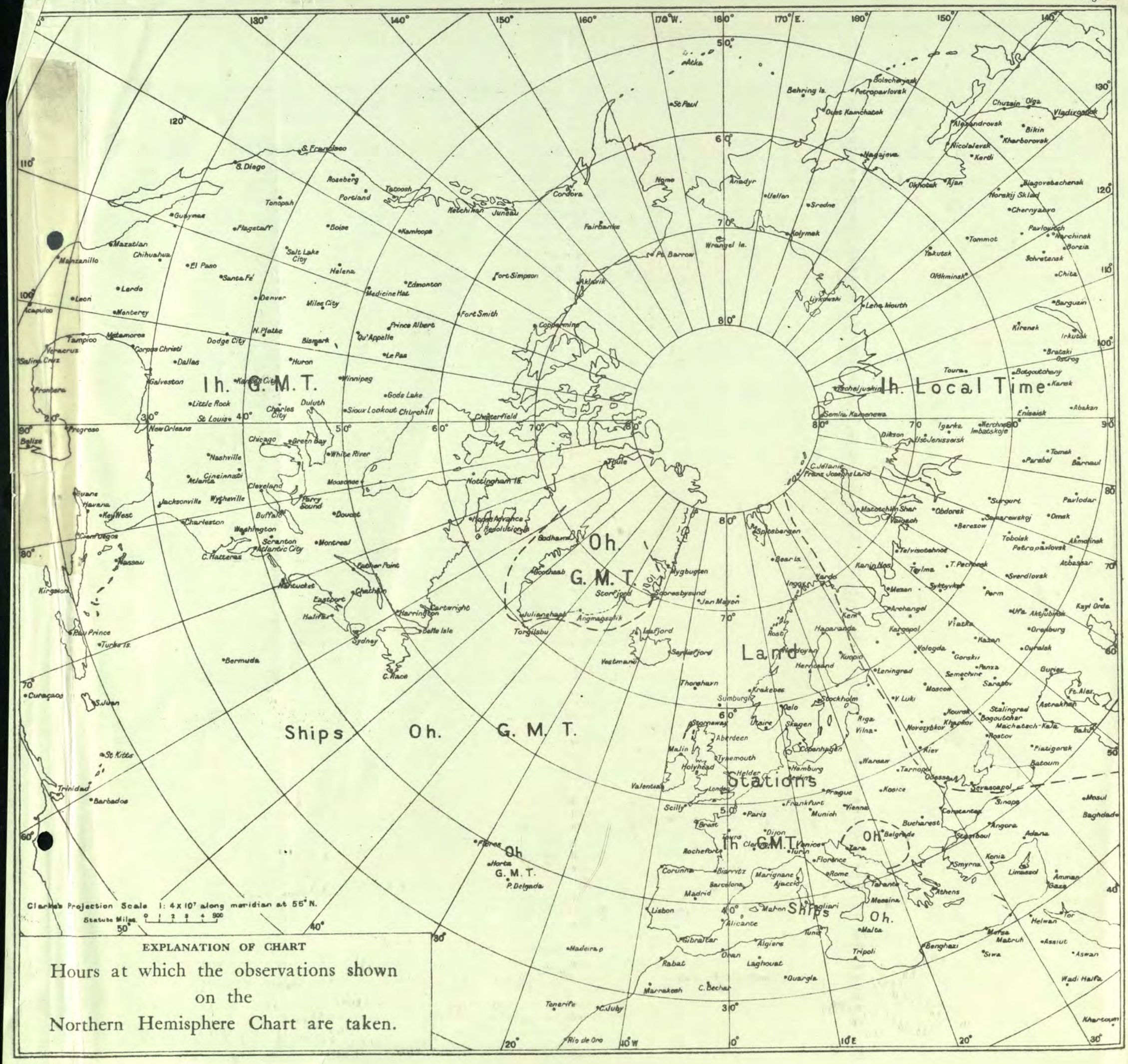
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the Report by the following symbols written on page 1 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 1 of the Report.

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

Stations printed on pp. 1 and 4 are shown in capitals—
LERWICK.
Stations whose abridged observations are given on p. 4 are shown thus:— 115 Cape Wrath.

FORECAST DISTRICTS and the Counties comprised within them

1. *England, S.E.*
Kent.
Sussex.
Surrey.
Hampshire.
Berkshire.
Wiltshire.

England, E.
Essex.
Middlesex.
Hertford.
Bedford.
Huntingdon.
Cambridge.
Suffolk.
Norfolk.
Lincoln.

3. *Midlands, E.*
Buckingham.
Oxford.
Northampton.
Warwick.
Leicester.
Rutland.
Nottingham.

4. *Midlands, W.*
Gloucester.
Hereford.
Worcester.
Shropshire.
Stafford.

5. *England, S.W.*
Dorset.
Somerset.
Monmouth.
Devon.
Cornwall.

6. *Wales, S.*
Glamorgan.
Brecknock.
Carmarthen.
Pembroke.
Cardigan.
Radnor.

7. *Wales, N.*
Montgomery.
Merioneth.
Flint.
Denbigh.
Carnarvon
Anglesey.

8. *England, N.W.*
Cheshire.
Lancashire.
Westmorland.
Cumberland.

9. *Midlands, N*
Derby.
Yorkshire, W.

10. *England, N.E.*
Yorkshire, N. & E.
Durham.
Northumberland.

11. *Scotland, S.E.*
Roxburgh.
Selkirk.
Peebles.
Berwick.
Haddington.
Edinburgh.

11. *Scotland, S.E. (cont.)*
Linlithgow.
Clackmannan.
Kinross.
Fife.
Forfar.

12. *Scotland, S.W., and Isle of Man.*
Isle of Man.
Dumfries.
Kirkcudbright.
Wigtown.
Ayr.
Lanark.
Renfrew.
Dumbarton.
Stirling.

13A. *Scotland, W.*
Argyll.
Bute.

13B. *Scotland, N.W.*
Hebrides.
Western parts of Inverness, Ross and Cromarty, Sutherland.
(Boundary line runs from Rannoch Station through Fort Augustus, Beauly and Lairg to Melvich.)

14. *Mid Scotland.*
Perth.

15. *Scotland, N.E.*
Kincardine.
Aberdeen.
Banff.
Elgin.
Nairn.
Caithness.
Eastern parts of Inverness, Ross, Sutherland.

16. *Orkneys and Shetlands.*

17. *Ireland, N.W.*
Galway.
Roscommon.
Mayo.
Sligo
Leitrim.

18. *Ireland, N.E.*
Meath.
West Meath.
Longford.
Cavan.
Fermanagh.
Monaghan.
Louth.
Armagh.
Down.
Antrim.
Londonderry
Tyrone.
Donegal.

19. *Ireland, S.E.*
Waterford.
Wexford.
Kilkenny.
Carlow.
Wicklow.
Offaly.
Leix.
Kildare.
Dublin.

20. *Ireland, S.W.*
Cork.
Kerry.
Limerick.
Tipperary.
Clare.

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

Stations.—*Kew.*—Temperature readings at Kew are taken in a large 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 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.

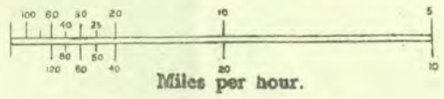
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 24 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 48 m.p.h.

The scales 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 SCALES

Upper Scale—8 mb isobars on $1 : 4 \times 10^7$ Charts.
Lower Scale—2 mb ,, ,, $1 : 5 \times 10^6$,,



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 formulæ :—

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

$x = f - .444\,(t - t')$ for wet bulb readings above 32° F.
$x = f - .400\,(t - t')$ for wet bulb readings below 32° F.

where x is the vapour pressure in mb.
F the saturation vapour pressure at the temperature of the dry bulb;
For air temperatures below 32° F. the value of F used is that appropriate to an ice surface.
f the saturation vapour pressure at the temperature of the wet bulb;
For wet bulb temperatures below 32° F. the value of f used is that appropriate to an ice surface.
t the dry bulb temperature; and
t' the wet bulb temperature.

The entries in columns 7 and 22 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.

The values of Dew Point given in columns (8) and (23) are derived from the original readings of dry—and wet—bulb temperature and are correct to one degree Fahr. Values below 32° F. give the "Hoar Frost Point," that is to say the temperature for which the actual vapour pressure is equal to the saturation pressure over ice.

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 3 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)

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," (3rd Edition, 1939), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free.

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

H.M.S.O. Press, M.O., Dunstable.

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THE DAILY WEATHER REPORT

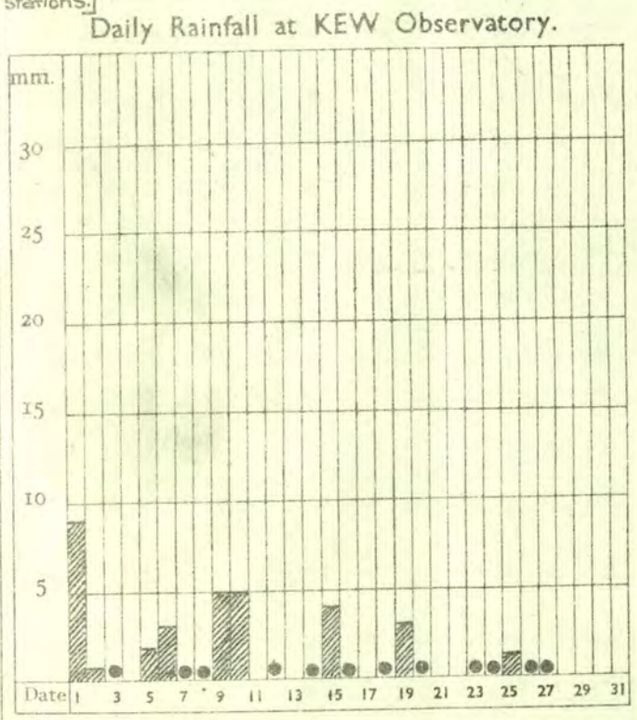
OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT.

February, 1943. No. 314

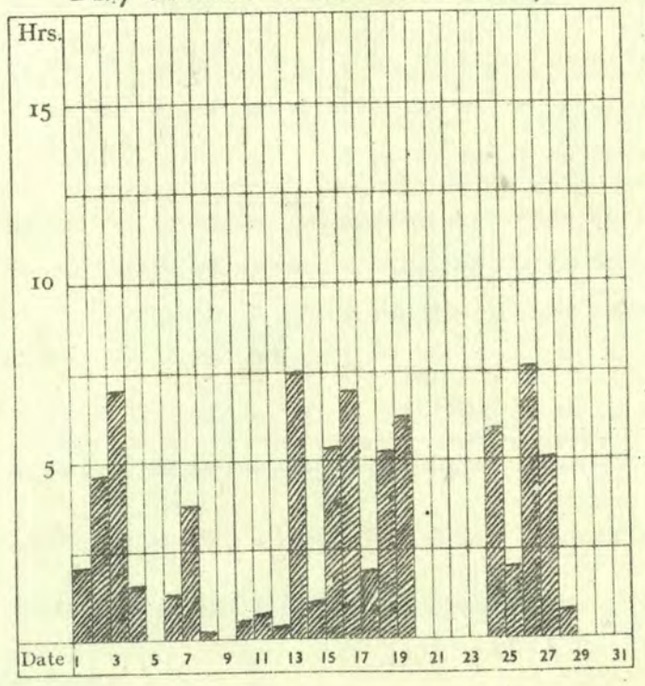
Mild and Sunny; Stormy and wet at first, becoming dry and quiet latter half of month.

During the first half of February the British Isles were dominated by large, intense low pressure systems on the Atlantic, causing a series of fronts to cross the country; the centres of the depressions passed well to the north. After the 15th an extension of the Azores anticyclone moved slowly across the southern half of Britain, giving way to a trough of low pressure on the 29th. After this pressure again rose re-establishing the anticyclone over the South. In general pressure was well over average in the South and rather below in the North establishing a strong gradient. Winds were predominately from a westerly point and the intense depressions of the First half of the month gave rise to frequent gales in exposed places and strong winds generally. After the 15th the anticyclone confined the gales to north Scotland and the Shetlands, winds being mostly light or moderate over England. Gales were reported from the Shetlands on 12 days 4 of them (17th-20th) being consecutive, while an average wind of 70 m.p.h. with gusts to 95 m.p.h. was recorded on the 19th. A gust of 83 m.p.h. recorded on 15th is a new record for Aberdeen the previous highest being 82 m.p.h. recorded in Oct. 1917. Temperature was 3 to 4 degrees above average in most districts, the difference not being so well marked in the S.E. and extreme N.W. The mildness of the month was due more to an absence of very low temperatures rather than to exceptionally high maxima. Screen frosts were reported on only 1 or 2 occasions in most districts, the S.E. being the chief exception with 5-10, and none at all were recorded at Lizard, Valley and Valentia. Minima of 24° were recorded during the night of 7th-8th at Farnborough, Boscombe Down and Eskdalemuir, and at Dalwhinnie during the previous night. Highest maxima for the month lay between 54° and 57° but 62° was recorded at Aberdeen on the 27th and 60° at Sealand on the 14th. Ground frosts were also more frequent in the S.E. occuring on 12-14 occasions, none were recorded at Valentia. Rainfall was appreciably below average except in central and western Scotland. Stornoway exceeded the average by 40 mms and Renfrews total of 144 mms is a new record for that station for February, the previous highest being 142 mms in 1939. Notable falls were 33 mms at Eskdalemuir on the 5th, 31 mms at Renfrew on the 11th, and 30mms at Stornoway on the 8th when 22-25 mms were also recorded at several places in S.W. and W. England. After the 15th there was no appreciable rain except in Scotland Snow showers were reported on the 7th as far south as the Midlands otherwise the month was generally free from snow. Sunshine. In extreme NW Scotland it was exceptionally dull, and in Ireland and extreme SE England totals were only slightly above average; elsewhere it was a sunny month. 119 hours recorded at Leuchars and 102 hours at Cranwell are new high records for these stations the previous highest being 108hrs for Leuchars and 99hrs for Cranwell recorded in 1934. Several other stations had more than 90hrs sunshine. Most Southern districts enjoyed over 8 hrs on the 26th, 9.3hrs being recorded at Scilly, while for NE districts the 27th was the brightest day 9.6hrs being recorded by Catterick and 9.4hrs by Leuchars. Visibility was generally moderate or good, fogs being very rare except in the SE where there were 4-6 days with fog. Thunder was reported only once from a few stations.

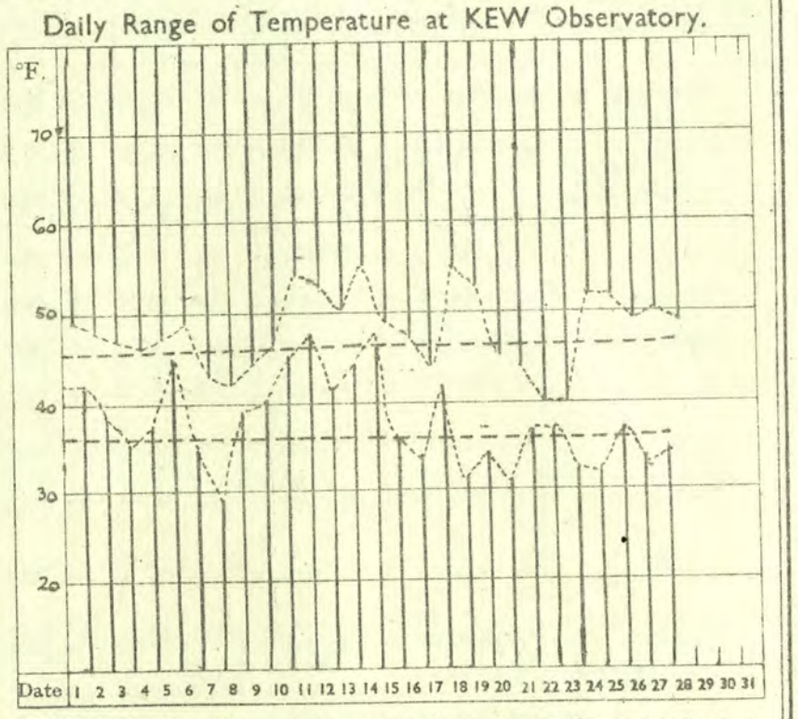


● = less than 0·5 mm.

RAINFALL. Total for Month. mm.



SUNSHINE. Total for Month. hrs.



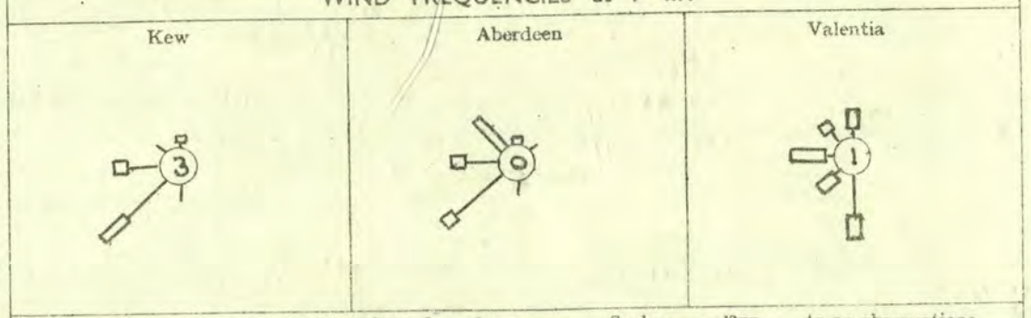
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb	mb.	°F.	°F.
Kew	1022·9	+6·9	42·8	+1·7
Aberdeen	1010·5	−0·1	43·5	+3·8
Valentia	1025·6	+12·2	47·5	+2·7

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

WIND FREQUENCIES at 7 hr.



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

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

	miles.
Kew ...	5678
Aberdeen ...	6740
Lerwick ...	18467
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 33° - 41°	42° - 50°	51° - 59°	60° - 68°	69° - 77°	Average Maximum.	Minimum. 24° - 32°	33° - 41°	42° - 50°	51° - 59°	60° - 68°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.
							°F.						°F.	°F.		°F.		°F.		°F.		
1	London ... (Kew Obsy).	2	13	7	0	0	48·5	5	15	8	0	0	36·6	55	14, 18	40	22, 23	48	16	29	8	13
	Croydon ...	2	18	8	0	0	48·2	5	17	6	0	0	35·9	56	24	39	22, 23	49	15	27	8	12
	Thorney Island	0	16	12	0	0	45·7	10	11	7	0	0	37·6	57	18	42	23	48	12, 15	25	8	* 14
	Lympne ...	* 3	11	3	0	0	43·7	9	14	5	0	0	34·9	* 55	28	39	22, 23	45	6, 12, 15	25	8	12
2	Shoeburyness...	2	16	10	0	0	45·6	3	20	5	0	0	34·6	56	18	39	22, 23	48	16	27	8	13
	Gorleston ...	3	15	10	0	0	44·2	1	22	5	0	0	36·2	56	12, 24, 27	38	22	48	15	28	8	6
	Cranwell ...	2	17	9	0	0	44·0	7	15	6	0	0	33·6	54	12, 18, 24, 28	40	8	46	12	27	8	8
3	Birmingham ... (Edgbaston)	1	22	5	0	0	43·4	1	18	9	0	0	35·1	54	12	39	7	46	12	29	8	5
4	Ross-on-Wye...	0	18	10	0	0	46·4	2	16	10	0	0	35·8	57	11	42	22	49	12	29	8, 19	11
5	The Lizard ...	0	15	13	0	0	*	0	9	19	0	0	*	55	24	48	3, 8, 9, 16, 22, 23, 28	48	11	35	26	*
7	Holyhead ... (Valley)	0	20	8	0	0	45·6	0	9	19	0	0	39·9	54	14	42	7	48	12	34	8	2
8	Chester .. (Sealand)	1	14	12	1	0	45·6	3	14	11	0	0	35·8	60	14	41	7	50	12	29	22, 26	12
10	Tynemouth ...	2	13	13	0	0	44·1	1	16	11	0	0	36·8	54	14	38	7	48	12	32	8	1
11	Leuchars ...	1	16	11	0	0	44·0	1	18	9	0	0	34·4	57	28	40	7	50	12	32	7	‡ 10
12	Renfrew ...	1	19	8	0	0	44·1	2	16	10	0	0	34·6	54	28	40	7	48	12, 14	31	7	4
	Eskdalemuir ...	3	25	0	0	0	41·1	6	17	5	0	0	31·5	50	17, 28	36	7	46	12	24	8	9
13B	Stornoway ...	1	22	5	0	0	44·7	1	16	11	0	0	37·1	52	11, 17	41	7	47	27	29	7	*
15	Aberdeen ...	3	13	11	1	0	43·8	2	18	8	0	0	35·7	62	27	36	7	44	14, 18, 24, 27	31	7	14
18	Aldergrove ...	0	24	4	0	0	44·5	2	17	9	0	0	35·6	55	23	43	3, 15	47	12	30	7	8
19	Birr Castle ...	0	16	12	0	0	46·8	2	13	13	0	0	36·3	55	18, 24	46	6	50	12	32	4, 26	5
20	Valentia ... (Cahirciveen)	0	14	14	0	0	48·5	0	6	22	0	0	41·1	55	22	47	2, 3, 15	50	12	39	9	0

District.	Stations.	Low Cloud. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Fog, Mist and Good Visibility. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	3	22	0	1	28	0	1	23	0	0	3	3	2	2	0	0	1	2	5
	Croydon ...	7	15	1	3	21	1	5	20	0	0	1	3	6	2	0	1	0	2	6
	Thorney Island	2	17	2	2	23	1	2	20	0	0	0	1	3	11	0	0	0	2	17
	Lympne ...	9	11	0	7	18	1	8	11	0	0	4	1	3	9	0	0	0	3	17
2	Shoeburyness...	1	16	0	2	20	0	1	21	0	0	1	0	7	1	0	0	0	4	7
	Gorleston ...	6	16	0	3	20	0	4	19	0	0	0	1	2	13	0	0	1	0	16
	Cranwell ...	2	15	1	2	21	0	1	16	0	1	1	0	3	5	0	0	0	2	8
3	Birmingham ... (Edgbaston)	1	19	0	1	25	0	1	22	0	0	1	0	3	10	0	0	0	2	16
4	Ross-on-Wye...	3	23	0	1	26	0	0	26	0	0	1	0	0	19	0	0	0	0	20
5	The Lizard ...	1	26	0	2	26	0	1	27	0	0	0	1	0	25	0	0	0	0	27
7	Holyhead ... (Valley)	0	28	0	0	28	0	1	23	0	0	0	0	0	23	0	0	0	0	26
8	Chester .. (Sealand)	0	27	0	0	26	0	0	26	0	0	0	0	2	12	0	0	0	0	23
10	Tynemouth ...	0	17	0	1	23	0	0	21	0	0	0	0	2	8	0	0	0	3	16
11	Leuchars ...	0	25	0	0	27	0	0	25	1	0	0	0	0	25	0	0	0	0	23
12	Renfrew ...	1	26	0	4	24	0	5	23	0	0	0	0	1	11	0	0	0	0	21
	Eskdalemuir ...	7	21	0	6	22	0	6	22	0	0	1	0	2	18	0	0	0	0	19
13B	Stornoway ...	0	27	0	2	26	0	3	25	0	0	0	1	0	24	0	0	0	0	24
15	Aberdeen ...	0	21	1	0	19	1	0	20	0	0	0	1	3	17	0	0	0	1	22
18	Aldergrove ...	4	22	0	2	26	0	1	26	0	0	0	1	1	21	0	0	0	2	25
19	Birr Castle ...	6	18	0	4	22	0	5	21	0	0	0	0	0	28	0	0	0	0	28
20	Valentia ... (Cahirciveen)	8	20	0	3	25	0	2	26	0	0	0	1	0	21	0	0	0	0	24

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1770	36·4	37·5	56	38·1	56	40·7	28
850	4660	29·1	32·3	56	31·9	56	34·3	28
750	7870	20·9	22·9	56	23·5	56	25·9	28
650	11460	9·2	11·1	56	10·8	56	14·6	28
550	15550	−4·5	−4·1	56	−4·9	56	0·3	28

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	26	12	10	3	0	0	21	10	11	0	0	0	26	7	15	3	0	0	8	4	4	0	0	0	500 above ground
1000 above M.S.L.	28	12	11	2	0	0	16	4	10	1	0	0	17	8	7	2	0	0	6	4	2	0	0	0	1000 above M.S.L.
2000 " "	15	8	7	0	0	0	5	4	1	0	0	0	2	0	2	0	0	0	3	1	2	0	0	0	2000 " "
3000 " "	10	4	6	0	0	0	5	2	2	1	0	0	0	0	0	0	0	0	3	1	1	1	0	0	3000 " "
4000 " "	3	0	3	0	0	0	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000 " "

* Grass min. thermometer unserviceable on 3 occasions. ‡ No Max. thermometer 7th to 17th inclusive.

† The readings and averages used, are the maximum for the period 7 h.–18 h. and the minimum for the period 18 h.–7 h. Averages are for periods of at least 10 years (See M.O. 364). ‡ Grass Min. unserviceable on 17th.

* 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 February 1943.

District.	Stations.	Sunshine. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	Rainfall. ‡Number of days with amount. 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.	Maximum fall in 24 hours. mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	6	11	6	5	0	7·6	26	1478	+9	76	+15	1880	105	1938	23	1940	18	2	6	2	0	0	10	1	649	+43	35	−4	1856	105	1879	2	1895	0	0
	Croydon ...	6	11	6	5	0	7·8	19	1608	+83	79	+17	1922	104	1939	27	1940	17	3	5	3	0	0	13	8	820	+141	51	+2	1921	118	1937	4	1921	0	0
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	3	2	2	1	0	19	1	735	+42	40	−8	1881	133	1900	1	1895 1934	1	0
	Lympne ...	10	6	4	8	0	8·6	26	1784	+19	93	+9	1921	124	1928	30	1940	19	1	5	3	0	0	9	10	725	+1	37	−13	1920	121	1937	3	1934	0	0
2	Shoeburyness ...	7	8	9	4	0	8·8	26	1674	−42	84	+7	1919	105	1920 1939	32	1942	16	7	4	1	0	0	8	1	598	+95	23	−8	1920	83	1937	4	1934	0	0
	Gorleston ...	5	9	5	9	0	8·7	26	1292	−351	94	+19	1908	113	1934	41	1931	18	6	3	1	0	0	6	9	661	+39	16	−22	1871	87	1916	4	1891	0	0
	Cranwell ..	6	6	6	10	0	8·0	27	1587	+49	102	+32	1921	102	1943	28	1940	20	4	4	0	0	0	3	5	584	−6	9	−29	1917	89	1923	9	1921	0	1
3	Birmingham ... (Edgbaston)	6	11	8	3	0	8·0	23	1350	+46	78	+21	1887	108	1887	9	1917	16	3	5	4	0	0	11	8	750	+76	47	+4	1893	149	1923	4	1921	0	2
4	Ross-on-Wye ...	4	11	4	9	0	8·6	26	1473	−12	94	+25	1915	119	1934	18	1940	21	2	3	0	2	0	22	8	749	+32	51	0	1859	170	1923	0	1891	1	0
5	Falmouth ... (Observatory)	4	12	7	5	0	8·9	26	1623	−87	92	+12	1881	127	1909	43	1886	13	6	5	2	2	0	23	8	1050	−57	64	−30	1871	229	1923	1	1932	1	0
7	Holyhead (Valley)	*	*	*	*	*	*	*	1196	−354	*	*	1914	108	1930	36	1918	13	5	8	1	1	0	25	8	887	0	51	−11	1871	152	1884	5	1932	0	1
8	Chester ... (Sealand)	5	12	6	5	0	7·9	18	1457	+81	85	+23	1923	91	1933	36	1940	14	2	10	2	0	0	8	15	623	−15	43	+4	1922	124	1937	1	1932	1	1
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*		*	*	20	4	4	0	0	0	4	10	450	−131	15	−20	1915	155	1941	15	1934	0	1
11	Leuchers ...	1	8	12	6	1	9·4	27	1643	+173	119	+43	1922	119	1943	33	1923	18	7	2	1	0	0	9	5	536	−117	19	−26	1922	105	1941	2	1932	0	1
12	Renfrew ...	5	15	6	2	0	6·9	16	1195	+2	59	+9	1921	83	1933	22	1923	7	3	9	2	2	2	31	11	1094	+158	144	+62	1921	144	1943	1	1932	0	1
	Eskdalemuir ...	6	15	2	5	0	7·6	18	1246	+45	60	+6	1910	106	1932	23	1918	9	4	7	5	2	1	33	5	1566	+137	139	+13	1910	242	1915	5	1932	0	6
13B	Stornoway ... ‡	10	14	2	0	0	3·4	3	1087	−128	‡18	−37	1881	91	1886	23	1903	2	6	11	6	2	1	30	8	1206	−1	147	+40	1870	204	1898	15	1932	0	1
15	Aberdeen ...	3	12	10	3	0	8·9	27	1332	+3	95	+25	1881	121	1898	33	1923	17	4	6	1	0	0	10	5	617	−131	26	−26	1871	130	1923	6	1891	0	5
18	Aldergrove ...	8	9	10	1	0	6·4	3	1313	−13	63	+2	1927	84	1932	33	1940	12	3	11	2	0	0	6	5	918	+80	36	−25	1926	105	1937	3	1932	0	1
19	Birr Castle ...	9	9	10	0	0	5·3	3 15	1217	−89	59	+7	1881	102	1906	34	1929	10	9	7	2	0	0	14	8	981	+154	49	−9	1862	133	1925	4	1934	*	*
20	Valentia ... (Cabirciveen)	8	12	5	3	0	6·6	18	876	−492	49	+17	1880	112	1930	29	1926	5	9	12	1	1	0	21	8	1090	−324	62	−70	1866	279	1914	11	1932	*	*

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	5	7	6	7	3	0	0	0
Ross-on-Wye ...	0	0	1	6	12	9	0	0	0	0
Falmouth (Obsy.)	0	2	9	14	3	0	0	0	0	0
Renfrew ...	0	0	5	16	7	0	0	0	0	0
Eskdalemuir ...	0	0	5	11	9	3	0	0	0	0
Aberdeen ...	0	0	0	1	8	11	7	1	0	0
Valentia ...	0	3	6	12	7	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
London (Kew) ...	0	26	0	2	0	0	0	0	0	0
Ross-on-Wye ...	0	28	0	0	0	0	0	0	0	0
Renfrew ..	0	16	12	0	0	0	0	0	0	0
Eskdalemuir ...	0	27	0	1	0	0	0	0	0	0
Aberdeen ...	5	22	0	0	1	0	0	0	0	0
Valentia ...	0	28	0	0	0	0	0	0	0	0

CODE for State of Ground.

0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6 ins. deep.

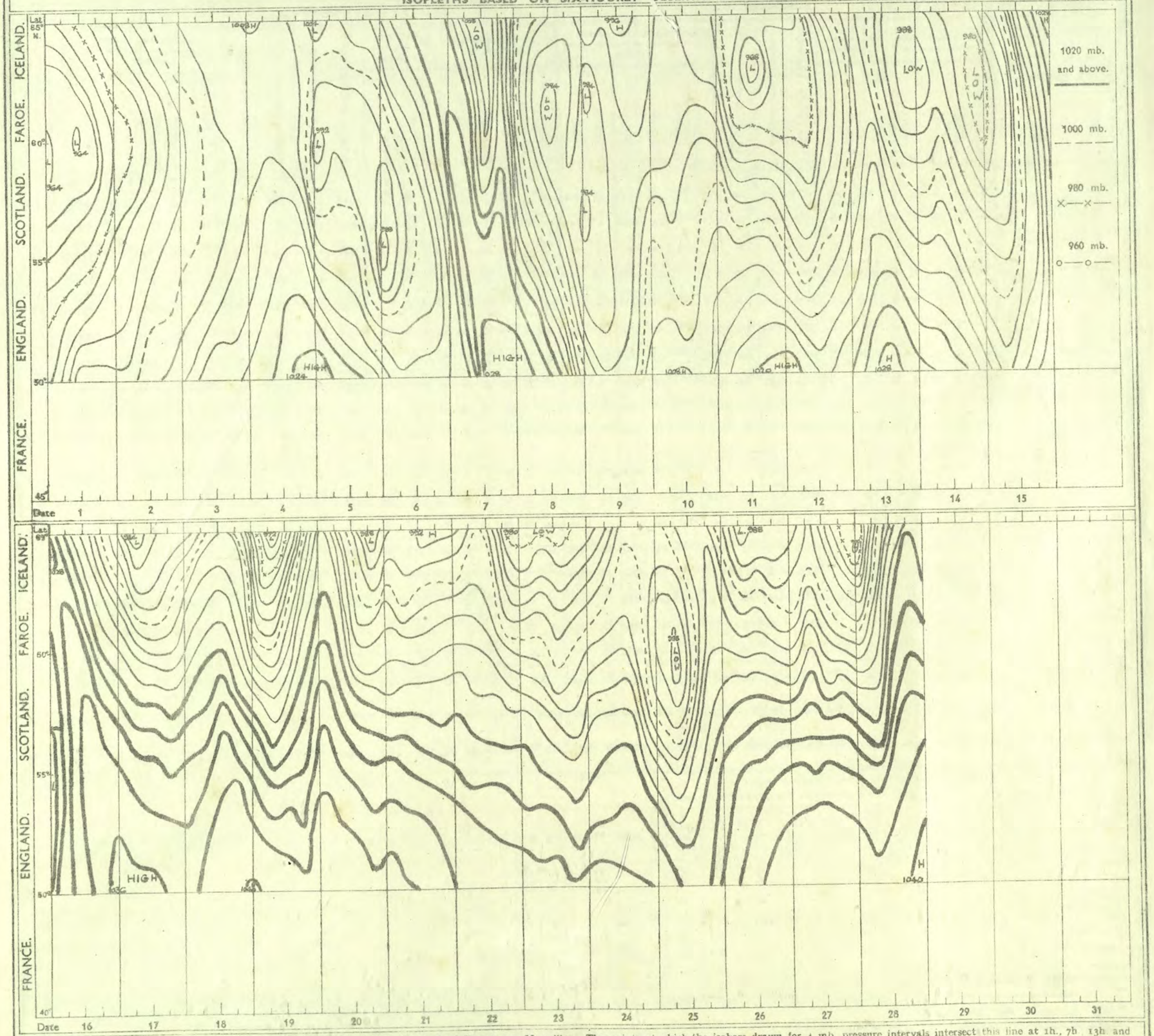
** The extremes and average of rainfall are supplemented by records from neighbouring stations.

‡ No Sunshine for 6th and 25th.

‡ 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 February 1943.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to 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.

H.M.S.O. Press, M.O., Dunstable.

Ps 159/4432. Hw 8/42. D 2558. Gp. 948/6. 400.3/43

SECRET

Page 1 BRITISH SECTION

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

Monday 1st February 1943. No 29656

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	83.7	-24	SSW	7	ir0	50	85	47	8	6	2	-	7-8	10	450
	Croydon	86.0	-28	S	6	++	49	97	48	6	6	2	-	7-8	10	600
	S. Farnborough	84.9	-18	S'W	6	t0t0	50	92	48	6	6	2	-	9	10	900
	Boscombe Down	81.3	-24	S'W	9	t0t0	50	92	48	7	6	2	-	7-8	10	400
	Thorney Island	85.7	-28	SSW	8	c/+	52	85	47	6	5	-	-	10	10	1500
	Lympne	89.4	-30	SSW	8	t0r0	48	85	44	7	5	2	-	7-8	10	2500
	Manston	89.2	-34	SSW	8	i+	48	85	45	8	5	2	-	Tr	10	1000
2	Shoeburyness	88.5	-20	S	9	it0	52	75	43	7	5	2	-	9	10	1500
	Felixstowe	86.8	-34	S	8	q/+	49	75	41	7	5	3	-	7-8	9+	1500
	Gorleston	85.1	-30	S'W	9	tbcq	50	75	44	7	8	-	-	7-8	7-8	1200
	Mildenhall	82.0	-30	S'W	7	c/+	52	75	45	8	5	-	-	10	10	800
	Cranwell	76.1	-26	S'W	8	it0	51	85	48	8	5	2	-	9+	10	1000
3	Birmingham	75.2	-14	S	6	iR	51	92	49	6	6	-	-	10	10	800
	Upper Heyford	78.8	-26	SSW	7	r0t0	50	92	48	6	6	2	-	9+	10	600
4	Ross-on-Wye	75.6	-20	SW	7	iR	52	92	50	5	6	-	-	10	10	800
5	Hartland Point	78.8	+48	WSW	5	++	46	85	43	7	6	2	-	10	10	1000
	Bristol	78.6	-18	SSW	6	d+	51	97	51	6	-	2	-	10	10	800
	Portland Bill															
	Plymouth	80.8	-2	W	5	t0t0	48	97	48	6	5	-	-	10	10	800
	The Lizard	81.2	+12	NW	7	++	49	97	49	6	5	-	-	10	10	800
	Scilly (St. Mary's)	80.2	+34	W	5	c	48	85	43	8	8	7	-	4-6	9+	1200
	Guernsey															
6	Pembroke	77.3	+62	WSW	6	ir0	46	85	41	7	8	4	-	7-8	9	2000
7	Holyhead (Valley)	72.7	+70	W'S	7	c	42	85	38	8	5	3	-	9	9+	1500
	Chester (Sealand)	71.5	+2	WSW	5	c	52	65	41	8	6	2	8	2-3	9+	1600
8	Manchester	71.1	-10	S'W	8	c	53	85	48	8	2	2	-	7-8	9	1500
10	Spurn Head	74.6	-48	S'W	9	cq	51	85	46	7	6	-	-	10	10	1500
	Catterick	68.6	-36	SSW	6	c/+	55	75	44	6	5	7	-	7-8	9+	800
	Tynemouth	65.6	-38	SSE	8	c-bc/+	50	92	48	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	64.7	-116	SE	4	t0t0	40	97	40	7	5	2	-	4-6	10	1500
	Leuchars	63.2	-90	NE	3	RS	34	97	34	5	-	2	-	10	10	400
12	Renfrew (Abbots I.)	64.1	-58	N'W	3	S0S0	34	97	34	5	6	2	-	10	10	1800
	Eskdalemuir	61.4	-52	SSW	7	t0t0	43	92	41	6	5	-	-	10	10	1100
	Point of Ayre	65.3	+20	WNW	7	c	43	92	41	7	6	-	-	9+	9+	800
13A	Tiree	67.8	-18	SE	2	t0t0	41	85	36	8	5	2	-	9	10	2000
13B	Stornoway	69.5	-24	SE	4	c	41	73	33	8	3	6	6	4-6	9	1800
15	Dalwhinnie	67.0	-62	NE	2	pS0	34	92	32	5	5	-	-	10	10	1500
	Aberdeen	67.0	-90	E	5	++	38	92	35	6	-	2	-	10	10	1500
	Wick	71.4	-82	SSE	4	c	41	75	35	8	5	7	6	4-6	9+	2000
16	Sumburgh	75.0	-28	S	5	c	43	75	35	8	2	7	-	9	9+	2000
17	Blacksod Point	69.3	+2	SW	4	c	43	75	36	8	9	-	6	7-8	9	1500
18	Malin Head	68.2	-2	SSW	2	c/+	39	85	35	8	8	2	-	4-6	9+	1500
	Aldergrove	68.9	+26	WSW	3	c/+	38	92	36	9	8	7	-	7-8	9	2000
19	Birr Castle	73.3	+26	S	2	c	40	85	36	8	5	1	-	7-8	9	2500
20	Valentia Obsy.	74.1	+10	WSW	6	c-bc/phr	46	65	35	8	3	-	-	7-8	7-8	800
	Roches Point	76.2	+24	W'S	4	pr	45	92	43	8	3	-	3	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	85.9	+26	SW'S	3	r0r0	47	97	46	6	6	2	-	4-6	10	1500	1	*
Croydon	86.6	+22	SW'S	4	t0t0	48	92	46	5	-	2	-	10	10	2000	2	*
S. Farnborough	85.7	+22	S'W	4	t0t0	47	92	45	6	5	-	-	9+	9+	3600	2	*
Boscombe Down	83.4	+30	SSW	3	c-bc	45	97	44	7	2	4	-	7-8	7-8	2000	1	*
Thorney Island	86.7	+22	SSW	4	t0t0	48	92	46	6	5	2	-	9	10	2500	1	*
Lympne	87.9	-6	SSW	8	c	52	75	42	7	5	-	-	7-8	10	1000	1	8
Manston	87.3	-10	SW'S	8	c/+	53	75	45	7	6	2	-	7-8	10	1000	1	*
Shoeburyness	86.8	+10	SSW	7	+	51	85	47	6	5	-	-	10	10	1500	1	*
Felixstowe	86.1	+4	S'W	8	i+	50	85	46	6	5	-	-	10	10	2600	1	6
Gorleston	85.4	+38	WSW	6	++	52	75	33	6	6	-	-	10	10	1000	1	6
Mildenhall	84.6	+36	SSW	4	i+	45	92	42	7	5	-	-	9+	9+	2500	1	*
Cranwell	81.5	+38	SW'S	4	c-bc	45	85	41	8	5	7	2	1	7-8	2500	1	*
Birmingham	82.4	+40	SSW	2	pr	43	85	39	7	8	-	-	4-6	4-6	1500	1	*
Upper Heyford	83.8	+28	SW	4	c-bc	44	92	42	8	4	4	-	7-8	7-8	3000	1	*
Ross-on-Wye	82.8	+20	SW	3	b-bc	45	85	40	7	8	-	-	2-3	2-3	3000	1	*
Hartland Point	82.3	+22	WSW	5	bc	47	85	40	8	3	6	-	4-6	4-6	1500	1	4
Bristol	84.6	+24	SSW	3	b-bc	45	85	41	7	5	4	1	2-3	2-3	2500	2	*
Portland Bill																	
Plymouth	84.1	+14	SW'W	3	z0	48	85	43	6	8	-	-	7-8	7-8	2500	1	3
The Lizard	83.1	-4	WSW	4	bc	47	85	43	8	2	-	-	4-6	4-6	1500	1	5
Scilly (St. Mary's)	81.7	+2	SW'S	2	bc+	47	75	41	8	8	-	-	2-3	2-3	1200	1	4
Guernsey																	
Pembroke	81.1	+8	SW	5	c-bcq	48	75	39	8	8	-	-	7-8	7-8	2000	1	3
Holyhead (Valley)	78.3	+24	SW'S	5	bc	45	75	36	8	8	6	3	2-3	4-6	3000	2	5
Chester (Sealand)	79.5	+38	W	2	b-bc	43	75	36	8	4	4	-	2-3	2-3	3500	1	*
Manchester	80.5	+40	S'W	5	bc	41	85	36	8	2	6	-	2-3	4-6	2500	1	*
Spurn Head	80.9	+40	SW	6	c	47	75	40	7	7	-	-	9+	9+	1500	1	5
Catterick	78.2	+58	WSW	4	c/pr	43	75	35	7	5	7	-	4-6	9	1000	1	*
Tynemouth	75.3	+90	W	6	bc	43	75	34	6	8	-	4	4-6	4-6	2500	1	3
St. Abbs Head	68.8	+88	WSW	6	bc	38	85	35	7	4	-	-	4-6	4-6	2500	1	5
Leuchars	69.0	+94	WSW	5	z0	38	85	35	6	5	2	-	9	10	3000	2	*
Renfrew (Abbots I.)	72.0	+48	WSW	2	pr	39	92	36	6	9	7	-	9	9+	1400	2	*
Eskdalemuir	73.6	+56	SW	5	c	37	85	34	6	5	-	-	10	10	1200	1	*
Point of Ayre	75.4	+4	WSW	4	phr	42	85	37	8	9	-	-	9	9	1500	1	4
Tiree	68.5	+4	SW	3	c-bc/pr	39	92	37	8	3	6	-	4-6	7-8	2000	1	3
Stornoway	68.0	-2	SSW	3	c	35	92	32	8	5	7	-	Tr	9+	2500	1	2
Dalwhinnie	68.5	+2	SW	2	is0	33	85	30	4	5	2	-	7-8	10	1500	1	*
Aberdeen	64.0	+40	WNW	4	r0r0	36	92	34	6	-	2	-	10	10	1500	1	4
Wick	65.1	-10	NW	3	r0t0	39	92	36	7	5	2	-	7-8	10	1200	1	*
Sumburgh	64.0	+80	ENE	6	ir0	40	92	37	8	5	-	-	4-6	10	1000	1	5
Blacksod Point	70.3	+10	SW'W	4	c/phr	42	75	35	8	9	-	-	9	9	2500	2	3
Malin Head	69.9	+14	SW	5	bc	39	92	37	8	8	-	-	4-6	4-6	2500	2	4
Aldergrove	73.3	+22	S'W	2	bc	37	85	33	8	5	3	-	2-3	4-6	1500	1	*
Birr Castle	75.4	+6	SW	1	c-bc	39	85	35	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	75.4	+8	W'S	5	c/pr	43	75	36	8	8	-	3	7-8	9	2500	1	4
Roches Point	77.3	+10	WSW	4	c	47	85	43	8	3	7	5	2-3	9+	1500	1	5

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 31st (39)	13h.—18h. 31st (40)	18h. 31st to 1h. 1st (41)	1h.—7h. 1st (42)
London (Kew)	crir0m0	ir0KqRt0	cir0+	ir0rqbc
Croydon	cm0++	++cm0++	cr0bcbrrir0	pRr0r0
S. Farnborough	cRtRtt0m0	ct0+Rkqm	crmctRbm	cr0ir0cm0
Boscombe Down	crmr0m0cr0	c++cm0	cm0ir0qb	cr0r0mqbc
Thorney Island	cr0r0cm0	cirqr0r0	cbcmz0ir0	bcitcm0bc
Lympne	crmcr0t0	cmr0r0c	bcpr0m0	bcircm bc
Manston	cit0tc	cit0		cmr0t0z0
Shoeburyness	cr0t0m0ir0c	ct0	cR	cm0
Felixstowe	ir0r0r0cm0	cm0cir0m0	crrm0PlHRm0	cpHRcir0m0
Gorleston	cr0p0q	cqo++q	orr	cpr0r0r0q
Mildenhall	cit0	ccRmcrrm	cr0r0m0kq	cr0r0m0
Cranwell	cr0r0mcr0q	cmc++kqb	bc,bcm0	c++cr0rcm
Birmingham	crr0r	oRRc	bco+	++c
Upper Heyford	cr0r0m0	cir0c	cc++m0	cm0r0r0m0
Ross-on-Wye	R+q	rcbc	bccR	Rcbc
Hartland Point	cir0++	c++prbc	bcci+++c	crrlbcrr
Bristol	c+r0p0	cm0iR,+rc	bc,b,cRR++	cr0rmrbcm0
Plymouth	cr0r0	cr0r0m0	cRR+rm	bcHpr
The Lizard	pq++	cbc	++cbc	prcbc
Scilly (St. Mary's)	c+b	cbc	c++lbc	bcphqlbc
Pembroke	cr0t0ir0q	cq	bcc	+bc pr
Holyhead (Valley)	cRRmc	bc	bcb	bccpr0
Chester (Sealand)	++r0t0c	c,bc	b,c	cm0
Manchester	t0t0m0	pr0cb	bcbm0	cm0m
Spurn Head	c+0cm0	c	om0	om
Catterick	crrmm0	cbcc	cbm0	cmc
Tynemouth	o++	c	cbcb	bbc
St. Abbs Head	c++	cprbcq	bcqbqcb	bcb
Leuchars	++mssmrsm0	crs++cm0	bcm0bm0	bm0bbcx
Renfrew (Abbots I.)	cm0r0r0s0S0	S0cr0pr0	cm0b	bm0cm0
Eskdalemuir	oss+Smr0	cr0r0m0	c	cpr0c
Point of Ayre	RR++cq	cphr	bbcc	t0t0b
Tiree	cr0cr0t0	++r0fprbc	pRnpRhbc	bccip
Stornoway	bcc	c	bcc	ccpr0c
Dalwhinnie	bcp0s0	oss	*	oprsc
Aberdeen	cc++m0	+++r0r0m0	ir0cb.b	bbcz0x
Wick	bcc	ct0t0	cbc	b
Sumburgh	c	cir0	cr0r0ph	phbcc
Blacksod Point	bc	pr	pr	pr
Malin Head	+	+	b	pr
Aldergrove	cr0t0r0m0c	cbc	b	pbxbcb
Birr Castle	s	c	*	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	pr	+	+

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday, 1st February 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate to fresh southwest winds; bright periods, a few squally showers chiefly near the South Coast; rather cold with ground frost at night.
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	Fresh southwest to west winds, strong locally on the West Coast; Showers, heavy locally, with some hail and thunder; bright periods especially inland; rather cold with some ground frost inland at night.
13A W. Scotland ↓; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland	Fresh to strong south to southwest winds reaching gale at times on the coast; squally showers of rain and hail, possibly some local thunder; brighter intervals, rather cold.
16 Orkneys and Shetlands ↓	As 13A-15
17 N.W. Ireland ↓; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	As 4-12

GENERAL INFERENCE

A deep depression southward of Iceland is filling up slowly and drifting eastwards. A showery type of weather will prevail generally with hail and thunder locally but with bright periods in many districts.

FURTHER OUTLOOK

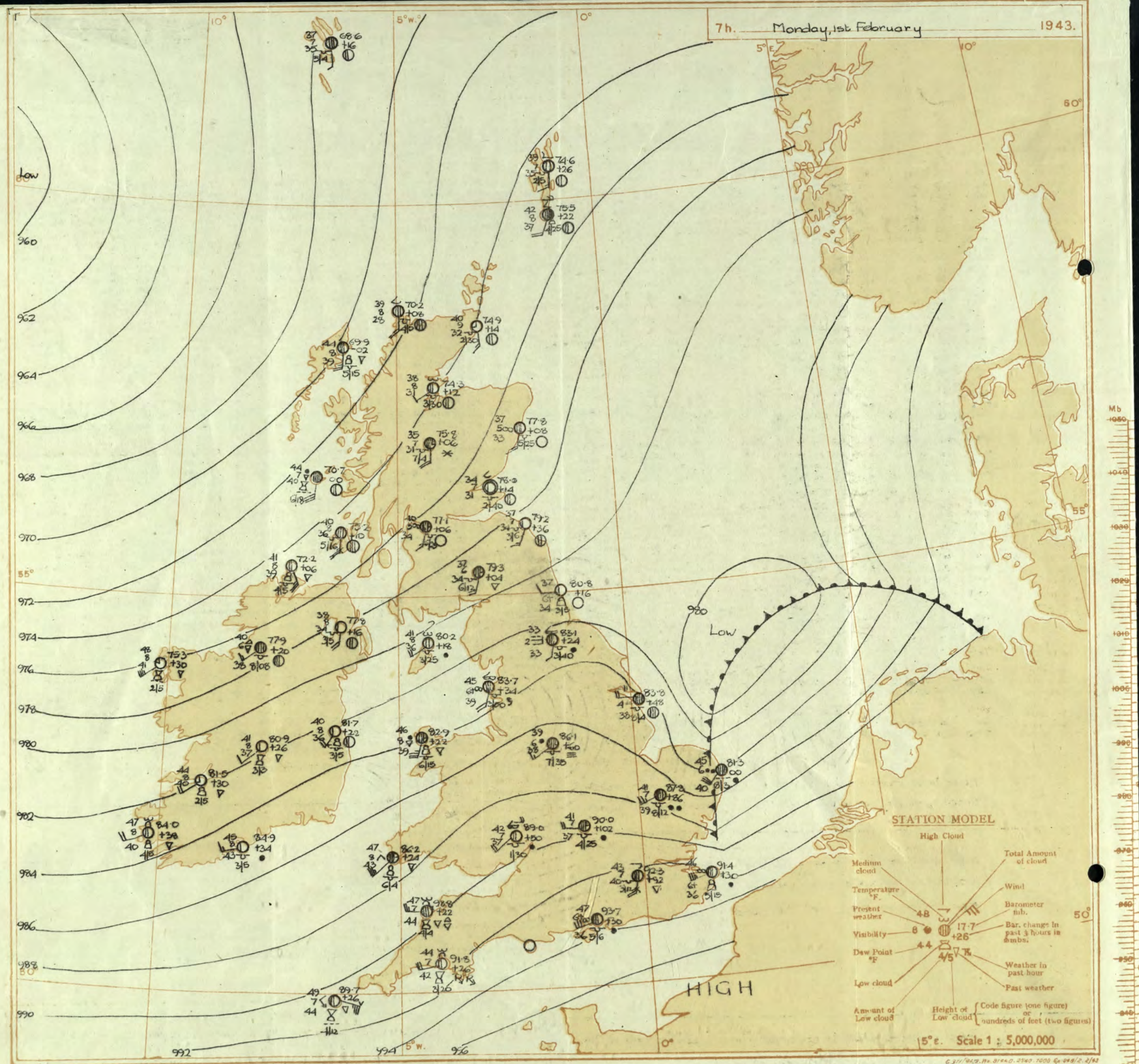
Continuing showery and rather cold with bright periods especially in the South and East

↓ Gale warning in operation in districts 13A, 13B, 16 and 17. Issued at 1205 G.M.T. 1st February 1943.

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Monday, 1st February 1943.



H.M.S.O. Press, N.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

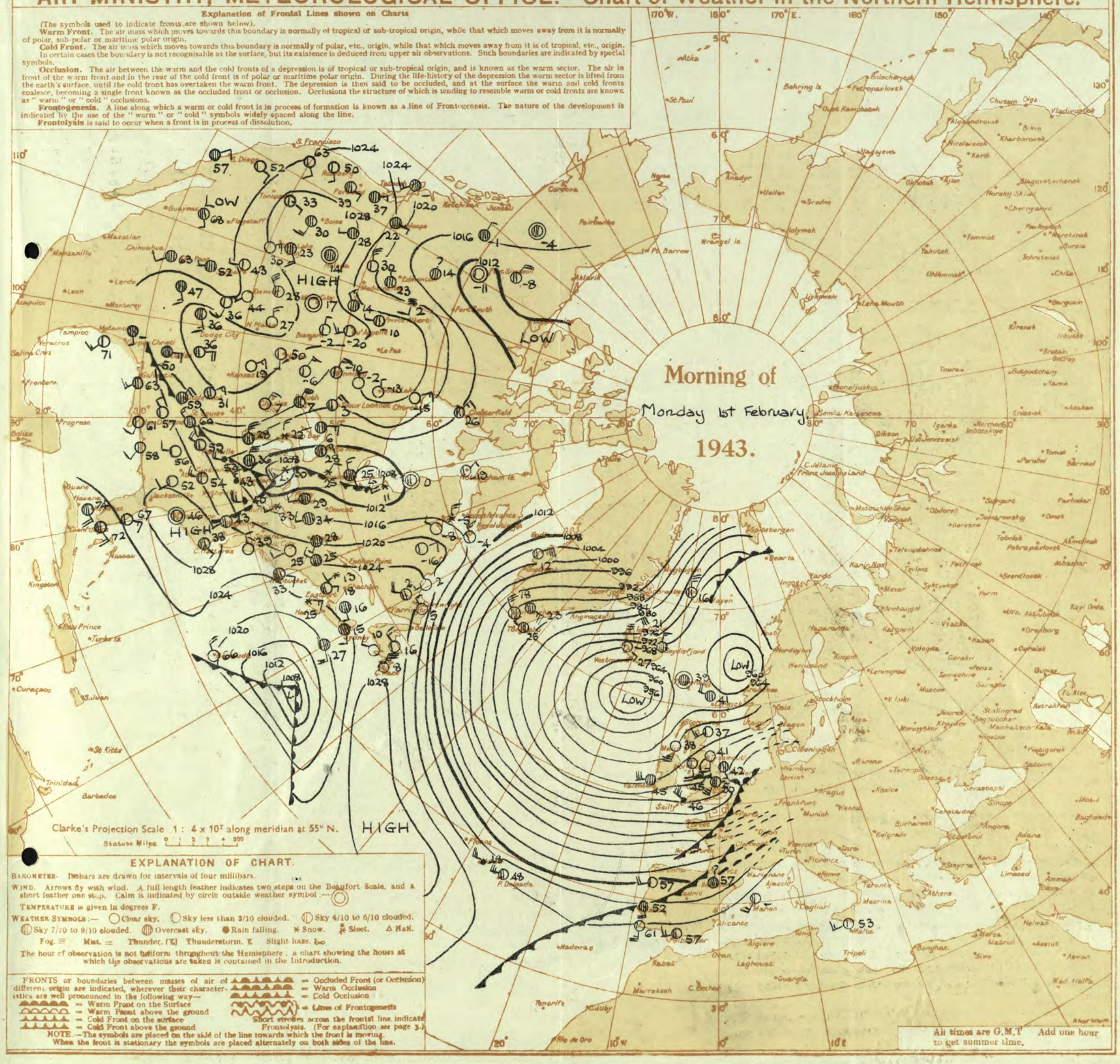
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Monday 1st February 1943

No. 29656

OBSERVATIONS at 1 hr. G.M.T. 1st February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon	290	83·0	-28	SW	6	c/pr	50	75	42	7	3	–	3	4-6	9	2000
	S. Farnborough	226	81·7	-26	SSW	6	ir₀	47	85	43	6	8	–	-	9	9	2000
	Boscombe Down	417	80·0	-30	SSW	6	b	41	83	37	6	-	-	-	0	0	-
	Thorney Island	10	83·4	-18	SW	7	bc	50	65	38	7	5	2	-	4-6	4-6	4200
	Lympne	283	85·7	-18	WSW	7	ir₀	51	75	43	6	6	-	-	4-6	4-6	500
	Manston	154	85·4	-24	SW'S	7	Z₀	52	75	45	6	2	-	-	2-3	2-3	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	83·6	-32	S	7	PHR	49	85	45	6	8	-	-	10	10	1600
	Gorleston	5	84·0	-32	SSE	4	++	44	97	43	5	6	-	-	10	10	800
	Mildenhall	15	81·3	-46	S'E	5	t₀t₀	46	92	44	6	5	-	-	4-6	10	2000
	Cranwell	203	80·5	-38	S'W	1	Z₀	39	97	39	5	-	2	-	0	10	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	80·3	-36	SE'S	1	c/+	43	92	42	6	5	7	-	7-8	9+	2700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	78·3	-10	SSW	2	++	42	97	42	6	5	2	-	7-8	10	1500
	Bristol	209	77·4	-46	SW	4	t₀t₀	45	85	42	6	6	2	-	9	10	1500
	Portland Bill	32															
	Plymouth	82	82·0	+34	WSW	8	c/+	45	85	41	6	5	-	-	9+	9+	1500
	The Lizard	240	84·2	-30	SSW	7	bc/+	46	85	42	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	83·7	+62	WNW	7	bc/p	46	85	42	8	5	-	-	4-6	4-6	1000
	Guernsey	175															
6	Pembroke	142	78·9	-8	S'E	2	c	46	92	44	8	8	-	-	10	10	1500
7	Holyhead (Valley)	32	78·5	-6	S'E	4	bc	45	85	40	8	7	–	5	2-3	4-6	2500
	Chester (Sealand)	16	79·6	-12	SSE	1	Z₀	39	85	35	6	-	1	-	0	10	–
8	Manchester	235	80·0	-20	SSE	3	Z₀	40	92	37	6	-	1	-	0	10	-
10	Spurn Head	29	81·8	-24	S'E	3	Z₀	42	97	41	6	5	-	-	10	10	1500
	Catterick	175	81·4	+4	-	0	m	35	97	35	4	-	-	-	0	0	-
	Tynemouth	108	79·5	0	S	3	b	41	75	35	6	-	-	-	0	0	·
11	St. Abbs Head	280	75·9	+8	SW	5	b·	41	85	36	7	4	-	-	1	1	4000
	Leuchars	36	75·9	+18	SW	4	Z₀	36	97	34	6	5	-	-	1	1	3000
12	Renfrew (Abbots I.)	19	76·4	+10	S	2	Z₀	40	75	33	6	5	-	-	1	1	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	77·4	0	SW'W	8	t₀t₀	42	86	37	8	5	-	-	9+	9+	2600
13A	Tiree	44	71·5	+10	S'W	5	b-bc	43	75	35	8	8	-	-	2-3	2-3	1500
13B	Stornoway	15	70·4	+4	S	7	c-bc	42	92	40	8	5	-	-	7-8	7-8	1200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	75·1	+22	SW'S	3	b	37	85	32	8	5	-	-	1	1	3500
	Wick	114	72·3	+26	SW	2	bc	37	85	33	8	5	-	-	4-6	4-6	3000
16	Sumburgh	19	69·5	+60	NW	4	phr	39	92	37	7	9	1	-	9+	10	2500
17	Blacksod Point	18	70·8	-4	SW	6	bc/pr	45	75	37	8	9	-	-	4-6	4-6	2500
18	Malin Head	84	71·6	+6	S'W	5	b	38	83	34	7	-	-	-	0	0	-
	Aldergrove	268	75·6	+4	S'E	3	b	37	85	33	8	5	-	-	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	77·8	+10	W'S	6	c/pr	45	85	41	8	3	-	-	9+	9+	2500
	Roches Point	22	79·7	+18	SW	4	b	46	85	42	8	5	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 1st February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 31st Hrs. (38)
London (Kew)	92·1	+104	SW'W	4	Z₀	43	85	38	6	5	–	(	2-3	4-6	1500	(	*	52	42	39	14	3	0·0
Croydon	92·3	+92	SSW	5	c-bc	43	92	40	7	5	-	3	2-3	7-8	1200	(	*	47	42	40	19	9	0·0
S. Farnborough	92·3	+86	SW'W	5	bc	43	85	39	8	3	4	3	1	4-6	2000	1	*	52	41	38	14	4	0·0
Boscombe Down	82·6	+72	SW	5	b-bc	41	85	36	7	9	-	3	2-3	2-3	2500	(	*	51	39	33	16	12	0·0
Thorney Island	93·7	+30	WSW	6	Z₀	47	65	36	6	5	-	-	7-8	7-8	4000	1	*	53	44	39	4	5	*
Lympne	93·4	+64	SW	4	Z₀	45	85	36	7	2	-	-	7-8	7-8	1200	1	7	52	44	41	4	4	0·0
Manston	91·4	+30	WSW	7	Z₀	46	65	36	6	2	-	-	7-8	7-8	1500	1	*	53	43	*	3	8	0·1
Shoeburyness	91·6	+74	SSW	5	c-bc/+	44	85	39	6	5	-	-	7-8	7-8	1500	1	*	53	41	39	2	10	0·0
Felixstowe	89·0	+68	WSW	7	i+	43	85	37	6	5	-	-	10	10	1900	1	6	52	43	42	2	14	0·2
Gorleston	81·3	0	SW	6	t₀t₀	45	85	40	6	6	-	-	10	10	800	1	5	53	44	42	1	8	0·0
Mildenhall	87·8	+86	WSW	5	o/r	41	92	39	7	5	–	-	10	10	1200	(	*	54	41	39	6	6	0·0
Cranwell	86·5	+74	WSW	4	m	41	97	39	4	5	2	-	2-3	10	1000	1	*	53	39	34	4	13	0·0
Birmingham	86·3	+70	SW	3	c-bc	40	85	36	8	–	7	-	0	7-8	-	(	*	51	37	35	23	9	0·0
Upper Heyford	90·0	+102	W	4	c	41	85	37	7	5	-	-	4-6	9+	2500	(	*	52	40	38	7	10	*
Ross-on-Wye	89·0	+50	SW	4	bc	42	85	37	7	5	7	2	Tr	4-6	3000	1	*	52	39	35	22	10	0·0
Hartland Point	98·8	+22	W	5	c-bc/phr	47	35	44	7	3	6	-	4-6	7-8	1500	1	4	54	41	41	5	10	0·9
Bristol	91·2	+58	WSW	4	c-bc	42	75	36	7	5	-	-	7-8	7-8	2500	2	*	52	40	32	14	12	0·2
Portland Bill												-											
Plymouth	91·8	+26	WSW	6	bc/r/r	44	92	42	7	3	6	-	2-3	4-6	2000	1	4	54	44	38	7	15	0·0
The Lizard	91·7	+22	W	7	bc	45	85	45	7	2	-	-	4-6	4-6	1500	1	5	54	43	*	7	10	1·3
Scilly (St. Mary's)	89·7	+26	ESE	7	bcl	49	85	44	7	9	-	-	4-6	4-6	1200	1	5	53	41	*	5	6	
Guernsey																							
Pembroke	86·2	+24	SW	7	eq	47	85	43	8	8	–	-	9	9	1500	(	4	53	42		0·3	3	1·4
Holyhead (Valley)	82·9	+22	SSW	7	pr	46	75	39	8	8	–	-	9	9	1500	1	5	51	43	39	2	0·1	*
Chester (Sealand)	84·3	+38	S'W	3	c-bc	43	75	35	6	5	3	8	4-6	7-8	2500	1	*	56	36	29	2	–	1·9
Manchester	85·2	+40	S'E	3	Z₀	39	92	36	6	5	7	-	7-8	9	4000	1	*	53	36	30	3	–	*
Spurn Head	83·8	+48	W'N	4	m	41	92	38	4	5	-	-	10	10	1500	1	3	52	40	*		1	0·0
Catterick	83·1	+24	SSW	2	c-bcf-	33	97	33	2	5	7	-	2-3	7-8	4000	1	*	55	33	28	12	Tr	0·3
Tynemouth	80·8	+16	W	2	b-bc	37	92	34	6	2	-	-	2-3	2-3	2500	1	3	55	36	34	9	–	*
St. Abbs Head	79·2	+36	SSW	3	b-bc	37	92	34	7	5	-	-	2-3	2-3	4000	1	4	43	30	*	15	–	
Leuchars	78·0	+14	–	0	b-bc	34	92	31	7	5	4	–	1	2-3	4000	3	*	39	33	23	15	Tr	0·0
Renfrew (Abbots I.)	77·1	+6	S'W	3	Z₀	40	85	34	5	5	-	-	9	9	2500	2	*	39	37	30	9	Tr	0·0
Eskdalemuir	79·3	+4	SSW	4	c	37	92	34	6	5	–	-	9	9	1200	1	*	44	33	28	15	0·1	0·0
Point of Ayre	80·2	+18	SW	4	bc	41	85	36	8	5	3	4	2-3	4-6	2500	1	4	52	37	*	14	0·5	1·5
Tiree	70·7	0	S	6	pr	44	85	40	7	9	6	-	9	10	1800	1	5	42	37	34	2	6	0·0
Stornoway	69·9	-2	S	8	c-bc	44	85	39	8	8	-	-	7-8	7-8	1500	1	5	42	39	29	0·1	Tr	0·8
Dalwhinnie	75·8	+6	S	4	c	35	85	31	7	5	-	-	9+	9+	1500	7	*	35	33	31	3	3	0·0
Aberdeen †	77·8	+8	SSW	3	Z₀	37	85	33	5	5	–	-	7-8	7-8	2500	(	2	41	35	27	9	0·3	0·0
Wick	74·3	+14	S'E	3	b	40	75	32	9	5	–	–	1	1	3000	1	*	42	34	31	2	–	*
Sumburgh	75·5	+22	SSW	4	c	42	85	37	8	1	1	2	4-6	9	2500	(	4	43	38	35	0·2	3	0·7
Blacksod Point	75·3	+30	SW	7	b	48	75	41	8	9	-	-	1	1	2500	2	5	46	41	*	3	3	
Malin Head	72·2	+6	SSE	5	bc	41	92	39	8	8	–	-	4-6	4-6	2500	2	4	41	37		1	Tr	1·9
Aldergrove	77·8	+16	S'W	4	b-bc	38	85	34	8	5	-	-	2-3	2-3	2500	(	*	39	34	30	4	0·1	0·1
Birr Castle	80·9	+26	SW	2	b-bc	41	85	37	8	3	–	-	2-3	2-3	800	1	*	45	37	34	2	0·6	2·3
Valentia Obsy.	84·0	+38	WSW	4	bc	47	75	40	8	2	6	-	4-6	4-6	2500	1	4	47	40	34	2	2	2·8
Roches Point	84·9	+34	W'S	3	b-bc	45	92	43	8	5	-	-	2-3	2-3	2500	1	5	49	45	*	1	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

31st January

III	13h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	80	02855	45416	52	02745	01368	80	25654	20384	50	01751	15311
115				52	02844	29277	87	02844	53526	54	02854	16425
203												
206	57	02863	04428	51	22745	26468	50	01762	20322	53	01863	20214
210	5-	61758	09368	62	62635	24368	50	01861	00061	53	01861	15201
220	87	02845	13217	30	01755	12385				80	01745	14583
230	02	64968	32168	9-	81957	18167	30	01962	18112	57	25854	18286
245	02	68638	04678	57	02756	22578	54	01851	20301			
260	02	25389	07278	62	61534	24468	5-	01754	18414	52	01763	18314
278	62	52737	27578	86	02845	18357	54	01852	18212	5-	01854	20314
279	52	60646	20967	33	01844	55734	00	00790	17380	24	01753	18384
285										20	05624	26594
288	62	22745	49767	56	01794	19414	00	05690	15410	53	43383	15345
575	82	81745	18178	86	02846	18296	50	00851	49401	5-	89638	20328
301	86	02755	53767	80	01763	22523	00	05690	12200	57	05663	18455
321												
[illegible]	80	14746	18726	5-	02745	22465	00	00790	20400	5-	02759	26325
292	52	05644	49568	53	01744	22364	01	05890	16118	57	61454	18145
310												
614	52	62637	31668	44	05654	20215	02	08490	04128	57	05554	22425

1st February

III	13h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	57	02745	55627	8-	02855	20415	50	17213	79343§	50	27754	19387
334										--	63647	24489
340	62	64636	53668	87	25844	22385	02	02690	12128	5-	02855	20315
136	5-	22835	49868	5-	22877	21497	62	64525	12368	5-	62648	22468
336												
350	3-	62635	83868	2-	22756	53366	02	61634	50488	57	02745	54666
368	5-	64648	55738	84	01744	22385	02	64638	22268	04	02765	20366
379	62	62517	51768							50	05653	22463
390	62	62526	51708	62	64466	30368	50	08483	53583	51	22543	55546
388	62	61727	51968	83	25754	21385	50	62844	51664	93	01844	22464
438	5-	63638	20888	52	14636	20828	50	14753	20783	50	62635	22785
430	52	62636	50868	62	64528	20568				5-	05645	55615
409	87	61844	22467	80	01852	16383	5-	22648	55768	2-	27753	54583

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cir₀m₀	ir₀KqRr₀	cir₀rqbc
Croydon	cm₀rr	rrcm₀rrc	bcqbc
Greenwich	rr	rcrr	cir
Camden Square	c	c	*
Kensington	orc	orc	*
Hampstead	or	or	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0·1 16-19h on 31st; Min. Time ≤0·1 Rest of Period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	52	42	39	14	3	0·0	*	*
Croydon	47	42	40	19	9	0·0	*	*
Greenwich	53	41	36	7	7	0·0	78	74
Westminster	54	42	38	15			86	75
Regents Park	54	42	39	8	7		74	75
Camden Square	53	42	38	11	5	*	*	79
Kensington	54	41	37	7	13		67	77
Hampstead	51	39	36	7	5		*	81

SECRET

Page 1 **BRITISH SECTION**

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

Tuesday 2nd February 1943

No. 29657

OBSERVATIONS at 13h. G.M.T. 1st February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	96.0	+10	SW	5	c	49	75	41	7	8	7	6	7-8	9	1500
	Croydon	97.8	+18	SW	5	c/pr	49	75	43	7	9	-	3	9	10	1000
	S. Farnborough	97.3	+18	SW'S	6	c-bc	49	75	41	8	8	7	3	4-6	7-8	1000
	Boscombe Down	97.0	+18	SW	6	c/pr	46	92	43	8	3	-	3	7-8	9	1500
	Thorney Island	98.7	+18	SW'W	6	c/pr	48	75	40	7	9	-	3	7-8	9+	1500
	Lympne	99.7	+14	SW'W	5	c/pr	48	85	44	8	4	-	-	9+	9+	2500
	Manston	98.3	+14	SW'W	5	pr	48	85	44	8	3	-	3	4-6	4-6	2200
2	Shoeburyness	97.9	+6	SW	5	c-bc	51	75	43	7	2	6	-	4-6	7-8	2500
	Felixstowe	96.4	+10	SSW	6	b-bc	50	75	42	8	5	-	1	2-3	2-3	2500
	Gorleston	95.6	+20	S'W	4	bc	43	85	38	7	5	-	-	4-6	4-6	1500
	Mildenhall	93.8	+6	SSW	5	c	51	65	40	7	7	-	7	7-8	9+	3000
	Cranwell	92.7	+24	SW	5	pr	46	75	40	7	9	7	3	4-6	9+	2000
3	Birmingham	92.3	+10	SW	4	c	43	85	39	7	8	-	8	9	9+	1500
	Upper Heyford	93.2	+10	phr	5	c-bc/pr	48	75	40	8	9	-	8	4-6	7-8	1500
4	Ross-on-Wye	93.4	+20	SW'W	4	c/r	45	85	40	8	6	-	3	9	9+	1500
5	Hartland Point	93.1	+24	NW'W	7	c-bc/pr	48	85	43	7	3	6	-	4-6	7-8	1500
	Bristol	95.5	+24	WSW	4	c/pr	47	85	43	7	3	6	3	4-6	9	1500
	Portland Bill															
	Plymouth	97.9	+26	WSW	6	c/pr	48	85	43	8	8	4	-	9	9+	2000
	The Lizard	96.7	+20	W	7	bc/p	50	75	43	8	2	3	-	4-6	4-6	1500
	Scilly (St. Mary's)	96.2	+30	WSW	6	c-bc/pr	49	85	44	8	8	6	3	4-6	7-8	1200
	Guernsey															
6	Pembroke	91.9	+20	SW	6	cq	49	85	45	8	8	4	-	7-8	9	2000
7	Holyhead (Valley)	88.7	+26	SW	4	bc	49	75	41	8	2	4	2	1	4-6	2000
	Chester (Sealand)	89.1	+22	SW'S	3	c-bc	51	65	39	8	2	-	1	7-8	7-8	2500
8	Manchester	89.7	+12	S'W	5	bc	48	75	41	8	2	-	3	2-3	4-6	4000
10	Spurn Head	91.2	+22	SSW	5	c-bc	45	85	39	7	7	3	-	4-6	7-8	4000
	Catterick	87.4	+20	SSW	4	zo	47	75	38	6	8	-	-	4-6	4-6	2000
	Tynemouth	85.0	+10	SW	4	∼	49	65	38	4	2	3	-	2-3	4-6	1400
11	St. Abbs Head	80.9	+4	SSW	5	bc/pr	46	85	42	7	5	6	-	4-6	4-6	3500
	Leuchars	89.3	0	SW	5	bc	45	75	38	7	5	4	4	4-6	4-6	2500
12	Renfrew (Abbots I.)	79.7	+10	SW'S	5	pr	47	75	40	6	8	-	5	7-8	9	2500
	Eskdalemuir	82.6	+12	SW'S	5	c	43	85	38	8	5	-	-	9+	9+	1500
	Point of Ayre	84.5	+20	W'S	6	b	50	75	41	8	1	-	5	Tr	1	2000
13A	Tiree	76.3	+40	SW	5	c-bc	47	75	41	7	3	-	-	2-3	7-8	2000
13B	Stornoway	71.8	+18	SW	5	pr	44	92	43	8	3	6	-	9	9+	1700
15	Dalwhinnie	76.0	+4	SSW	4	c	38	85	34	7	5	-	-	9+	9+	1500
	Aberdeen	78.5	0	SSW	4	zo	43	75	37	6	5	5	6	4-6	7-8	2500
	Wick	74.9	-2	S	4	c	43	75	36	8	8	7	4	2-3	9+	3000
16	Sumburgh	76.2	-6	S	4	bc	44	85	39	8	2	-	1	4-6	4-6	2000
17	Blacksod Point	83.4	+38	W	5	pr	49	85	44	8	9	-	-	7-8	7-8	2500
18	Malin Head	79.1	+40	W'S	6	c-bc	47	85	42	8	9	-	-	7-8	7-8	1500
	Aldergrove	82.8	+24	SSW	3	c	47	75	40	8	8	-	3	9	9+	2000
19	Birr Castle	87.1	+20	SSW	2	c-bc	47	75	40	8	5	-	5	4-6	7-8	2500
20	Valentia Obsy.	88.2	+10	SW	4	c	48	75	41	8	8	-	3	7-8	9	2500
	Roches Point	90.3	+20	WSW	4	c-bc	48	85	43	8	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 1st February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	99.1	+16	SW	3	c-bc/pr	46	85	42	6	8	-	-	7-8	7-8	1500	1	*
	Croydon	99.9	+12	SW'S	5	bc	48	85	42	6	5	-	3	4-6	4-6	1500	1	*
	S. Farnborough	99.3	+18	SSW	5	bc/r	47	85	43	7	7	7	-	4-6	4-6	1900	1	*
	Boscombe Down	98.7	+10	S'W	3	c-bc/pr	43	92	41	8	3	6	3	4-6	7-8	1600	1	*
	Thorney Island	00.2	+6	SW'S	4	c-bc/pr	47	85	44	6	9	-	-	7-8	7-8	1500	1	*
	Lympne	02.3	+18	WSW	5	bc	45	85	42	8	-	6	3	0	4-6	-	1	§1
	Manston	00.7	+18	SW	5	b-bc	45	85	42	7	3	6	3	2-3	2-3	2000	1	*
2	Shoeburyness	00.6	+16	SW	4	bc	47	75	39	7	5	-	-	4-6	4-6	2500	1	*
	Felixstowe	98.9	+18	SW'S	5	b-bc	47	85	41	7	5	7	-	1	2-3	4000	1	5
	Gorleston	97.0	+26	SW	5	c-bc/pr	47	85	42	7	5	-	-	7-8	7-8	1500	1	4
	Mildenhall	97.0	+28	SW'S	5	b-bc/pr	47	85	40	7	4	6	-	2-3	2-3	4000	1	*
	Cranwell	94.5	+22	SW	5	bc	44	85	39	7	2	6	3	2-3	4-6	4000	1	*
3	Birmingham	95.2	+16	SSW	3	c	43	85	39	8	8	-	-	9+	9+	1500	1	*
	Upper Heyford	96.6	+10	SW	4	c-bc	44	85	39	8	2	6	8	Tr	7-8	1500	1	*
4	Ross-on-Wye	95.6	+14	S	3	c-bc	44	85	39	7	8	-	3	7-8	7-8	1500	1	*
5	Hartland Point	94.2	-2	WSW	5	pr	45	85	41	7	3	-	-	9	9	1500	1	5
	Bristol	97.6	+4	SW'W	6	pr	45	75	38	7	3	-	-	10	10	2800	2	*
	Portland Bill																	
	Plymouth	97.4	-4	SW	6	c/pr	45	92	42	7	9	-	-	9	9	2500	1	4
	The Lizard	96.4	-2	WSW	6	c-bc	46	75	39	8	8	7	-	7-8	7-8	1500	1	5
	Scilly (St. Mary's)	94.3	-4	SW'W	6	c/pr	46	85	42	7	8	7	-	7-8	9+	1000	1	5
	Guernsey																	
6	Pembroke	92.7	+2	SSW	6	cq	49	85	41	8	8	7	-	7-8	10	2000	1	4
7	Holyhead (Valley)	90.5	+10	SSW	6	c-bc	47	75	41	8	3	6	3	1	7-8	2000	1	4
	Chester (Sealand)	91.5	+14	W'S	2	c	47	65	38	8	5	7	-	2-3	10	3000	1	*
8	Manchester	93.0	+18	S'W	4	c/pr	43	85	39	6	3	6		7-8	9	1500	1	*
10	Spurn Head	93.1	+16	SW'S	5	bc	44	85	39	7	8	3	-	4-6	4-6	2500	0	4
	Catterick	89.9	+20	SW	3	bc	46	75	38	7	4	3	1	2-3	4-6	2500	1	*
	Tynemouth	87.0	+12	WSW	4	b-bc	47	75	39	6	-	4	-	0	2-3	-	1	3
11	St. Abbs Head	83.9	+24	SW	6	c-bc/pr	44	92	42	7	6	-	-	7-8	7-8	1500	1	5
	Leuchars	82.4	+22	SSW	4	bc	44	85	39	7	8	6	-	2-3	4-6	2500	1	*
12	Renfrew (Abbots I.)	84.6	+28	SW	4	zo	46	75	39	6	3	3	-	7-8	7-8	2000	2	*
	Eskdalemuir	86.4	+20	SSW	5	c/pr	42	92	40	6	5	-	-	9+	9+	1100	1	*
	Point of Ayre	88.0	+14	WSW	4	c-bc	46	85	40	8	4	4	5	Tr	7-8	3500	0	4
13A	Tiree	81.3	+30	WSW	5	b	45	85	40	7	-	2	-	1	1	2000	1	4
13B	Stornoway	76.3	+32	WSW	5	c/pr	43	92	41	8	3	-	3	7-8	9+	1200	1	3
15	Dalwhinnie	81.0	+18	SW	4	b-bc	38	85	33	7	5	-	-	2-3	2-3	2500	1	
	Aberdeen	80.3	+20	SSW	4	c-bc	40	85	35	7	3	9	3	Tr	7-8	2500	1	3
	Wick	75.8	+8	SW	4	ir	41	85	36	8	8	7	-	7-8	9	3500	1	*
16	Sumburgh	75.5	-6	S	5	c/pr	44	85	41	8	2	7	-	4-6	9	2000	1	3
17	Blacksod Point	86.2	+14	W	3	c-bc/pr	45	85	41	8	9	-	-	7-8	7-8	1500	2	3
18	Malin Head	83.6	+26	SSW	3	bc	44	85	40	8	9	-	-	4-6	4-6	1500	2	3
	Aldergrove	86.3	+14	SW'S	3	c-bc	43	85	39	8	3	3	3	2-3	7-8	2000	1	*
19	Birr Castle	88.5	+8	SSW	2	c-bc	43	85	38	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	88.8	+2	ENE	2	ir	43	92	39	8	8	7	-	9	9+	2500	1	3
	Roches Point	90.0	0	WSW	4	PR	44	97	43	7	3	-	3	4-6	9+	800	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 1st (39)	13h.—18h. 1st (40)	18h. 1st to 1h. 2nd (41)	1h.—7h. 2nd (42)
London (Kew)	b,cpro,c	propreprg	crortoc	toeoc
Croydon	bepro,mo	czopr,cmo	ottcirom	bcmo,ircmo
S. Farnborough	becpbro,c	cprbcerrm	bectcbc	tcbemocrcbc
Boscombe Down	bec proc	epro,c	cpro,bccm	clbc
Thorney Island	ctlh,epro	bec	mo PRpro	cprob
Lympne	beerprh	cprmopr	cproirobc	bcciro bcc
Manston	bepR	cbc	cprbeproo	beproiromo
Shoeburyness	beprmo,c	cprbe	ctrmo	ccdomo
Felixstowe	ciro mocbc	beebeb	bciro cprmo	cmoiromo
Gorleston	bc	bccpr,q	cbcprobc	bcproc
Mildenhall	cbcc	phrbcprbc	bcpRqprbc	bcb,c
Cranwell	cpro	cpro cmo	bccbc	bcc
Birmingham	cpr	cpr	bcpro	c
Upper Heyford	bcc	bccprc	bccro ro ba	ccro ro mo
Ross-on-Wye	rcrtRR	tcrhrc	cbcc	Pcc
Hartland Point	cpr	cprhr	cprq	cphrq
Bristol	becpr.	cPR, ccpr	cpr cbcb	bcrrorprq
Portland Bill				
Plymouth	cmo,prc	cmoproc	bcmo,prcpr	bcpro bc
The Lizard	cprbc	bprhc	cprcq	bcprc
Scilly (St. Mary's)	becp	cphrq	circ	cpq,bc
Guernsey				
Pembroke	cprq	cq	bccotbcq	bccirq
Holyhead (Valley)	bbc	bcc	bccpro	bccpro
Chester (Sealand)	c,bc,c	c	croro cmo	c,bcmo
Manchester	cbcmo	bcepr	proh	bcproc
Spurn Head	c	c	cmo	c
Catterick	cpro cmo	cbc	bcmo cproc	ciro mo
Tynemouth	b	bcmo	bc	bcmo
St. Abbs Head	becprbc	bcepr	b	bc
Leuchars	bcxcprbc	bcpro,cbc	bcmo bcb	bmo bcmo bcb
Renfrew (Abbots I.)	cmo,bccz,pr	mopr,ccpro,c	iro bcmo	moi c pro
Eskdalemuir	cprro,c	cprhpro	bcproc	bcc
Point of Ayre	bcb	bbcc	cb	bbcb
Tiree	cprbc	bcb	bc	bc
Stornoway	ccpro	cpr, cprc	ccprobc	bcbbc
Dalwhinnie	coprsc	cprbc		bcoprc
Aberdeen	bcbbcczo	czopr,bc	bcbx	bbcx
Wick	bbcc	ciro	bcbbcpro	bcb
Sumburgh	bc	cpro c	cmprbc	probc
Blacksod Point	pr	pr	c	bc
Malin Head	pr	pr	bc	↑
Aldergrove	bcc	cphrcproc	bbc	bc=f
Birr Castle	c	c	•	↑
Valentia Obsy.	pr	pr	pr	pr
Roches Point	c	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 2nd February 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Fresh Southwest to west winds decreasing, backing southwest to south tomorrow; some showers with a chance of thunder locally especially near the South coast; considerable bright periods; rather cold with ground frost tonight.
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; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate westerly winds; occasional showers, accompanied by hail and thunder locally; bright periods in most districts; local fog patches inland at night; rather cold with ground frost at night
16 Orkneys and Shetlands	As 4-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate westerly winds, backing Southwest to South increasing to strong perhaps gale on west coast tomorrow; showers with hail and thunder locally; bright intervals; becoming cloudy or dull with rain spreading northeast tomorrow; rather cold, becoming milder.

GENERAL INFERENCE

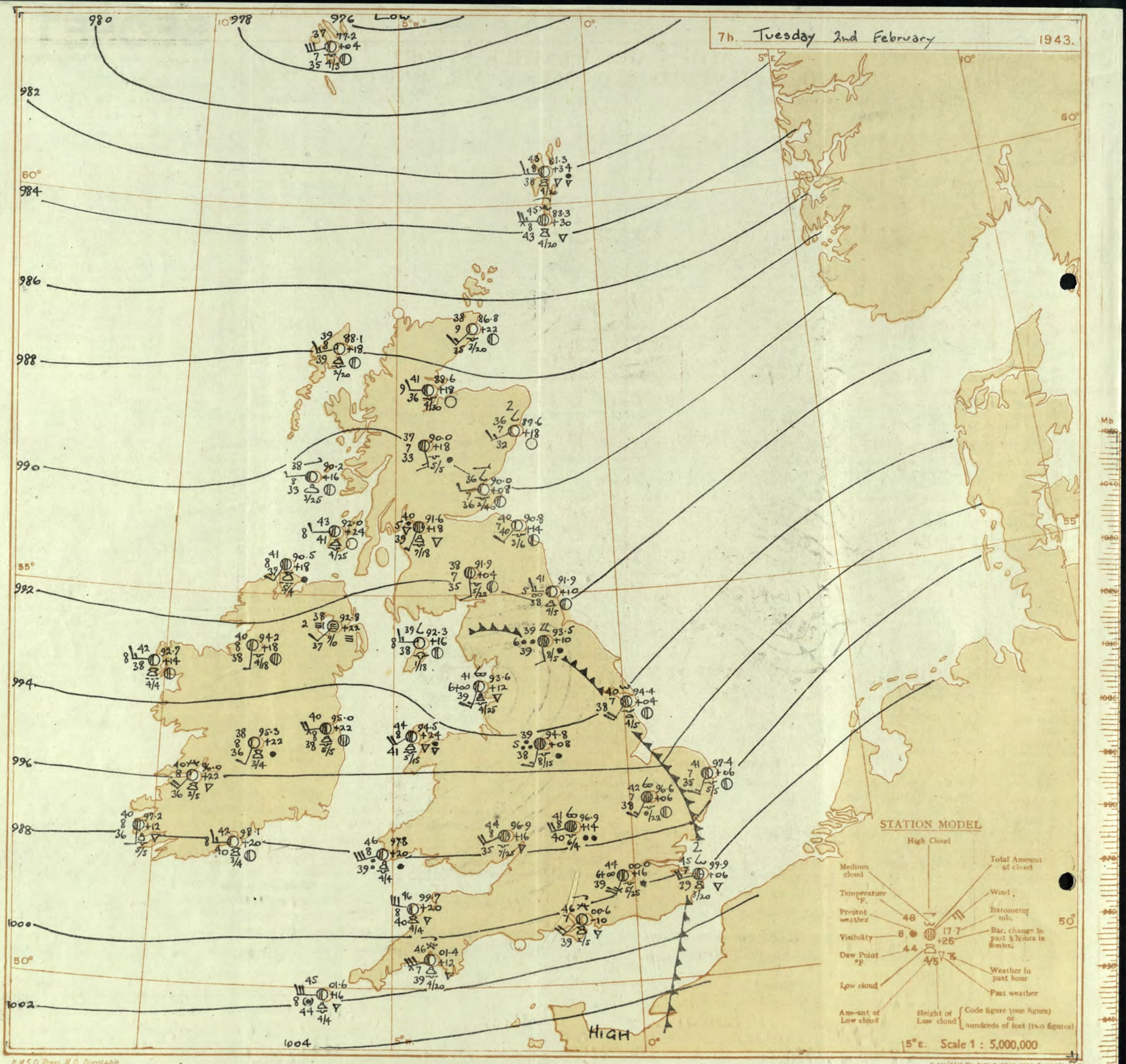
A depression north of Shetland is moving slowly northeast and filling up, and a ridge of high pressure is moving in from the West. Weather will continue rather cold and showery with bright periods especially in England. A new depression on the Atlantic will cause freshening winds tomorrow on the western seaboard, with rain spreading to Ireland.

FURTHER OUTLOOK

Rain spreading northeast to most districts; strong winds or gales in the West and North; becoming milder.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

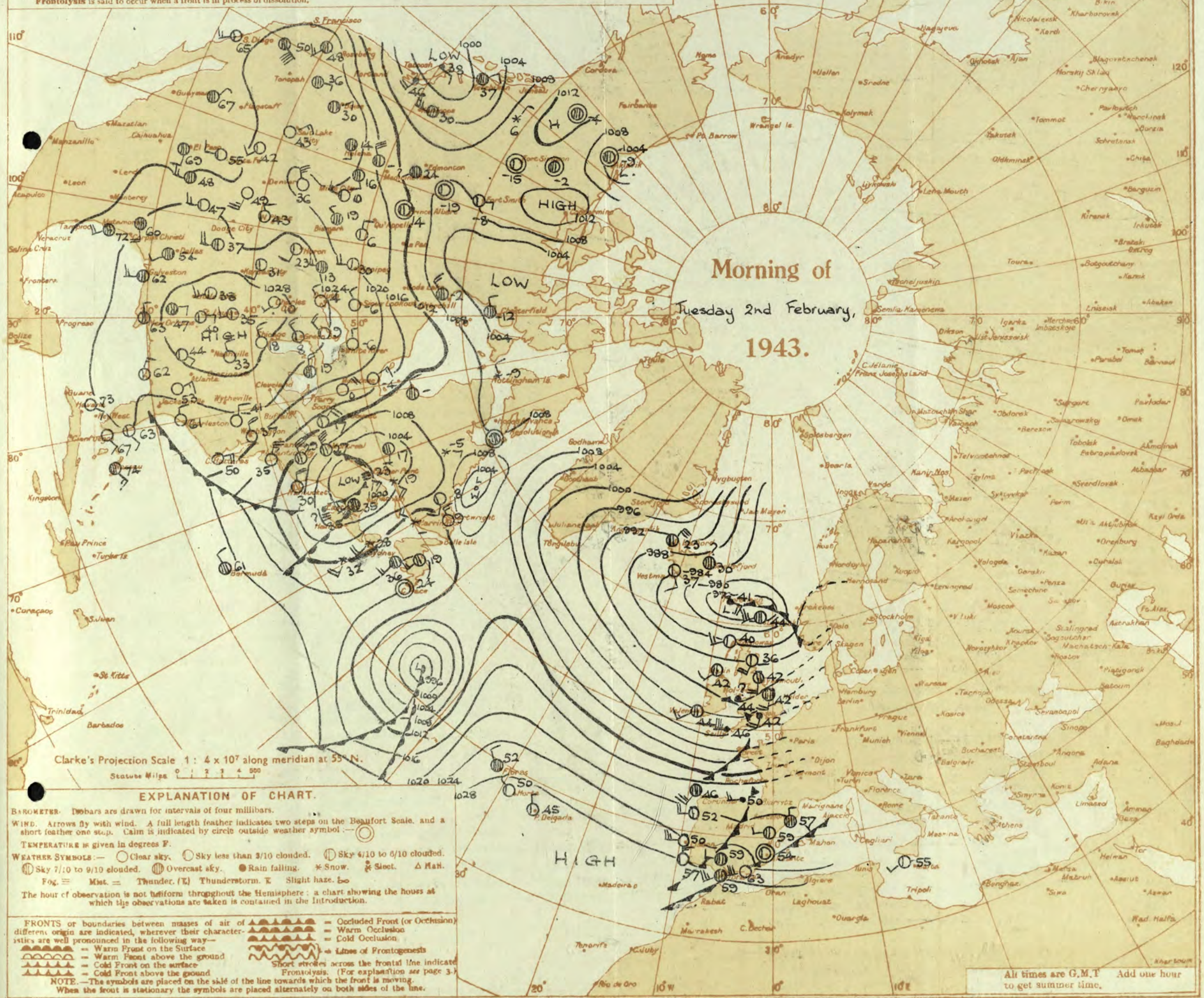
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis
Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

Page 4. BRITISH SECTION

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

Tuesday 2nd February 1943

No. 29657

OBSERVATIONS at 1 hr. G.M.T. 2nd February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	99·2	-6	S'W	4	it₀	42	92	40	5	5	-	-	9+	9+	3000
	S. Farnborough	226	97·8	-6	SSW	4	°/+	42	97	41	6	5	-	-	9	9	2000
	Boscombe Down	417	97·3	-10	S	3	ṫ₀ṫ₀	40	97	40	6	5	2	-	9+	10	3000
	Thorney Island	10	99·5	-2	W	5	pt	44	85	41	6	9	-	-	10	10	2100
	Lympne	283	00·5	-6	SW	4	b-bc/+	45	85	41	7	8	-	-	2-3	2-3	3000
	Manston	154	99·8	-6	SW	4	b-bc	45	85	39	7	3	-	-	2-3	2-3	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	98·7	-6	SSW	3	pt	44	85	40	6	8	-	-	10	10	2600
	Gorleston	5	97·6	-4	SSW	4	c/pr	44	86	40	7	8	-	-	4-6	10	1500
	Mildenhall	15	96·5	-14	S'W	4	bc	43	86	37	7	-	7	-	0	4-6	-
	Cranwell	203	95·0	-2	SSW	4	b-bc	40	92	37	7	-	7	-	0	2-3	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	95·9	-6	SSW	3	b-bc	40	92	37	7	-	-	5	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	94·2	+8	W	6	c-bc/pr	45	85	41	8	2	-	-	7-8	7-8	1500
	Bristol	209	95·8	-6	SSW	2	b-bc	42	85	37	7	8	6	-	1	2-3	2500
	Portland Bill	32															
	Plymouth	82	98·5	+16	WSW	6	c/pr	44	85	40	6	8	-	-	10	10	1500
	The Lizard	240	98·5	+24	W'N	7	c-bc/pr	46	85	42	8	5	-	-	7-8	7-8	1000
	Scilly (St. Mary's)	163	98·4	+36	W	7	c-bc jp	46	85	41	7	8	4	-	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	92·8	+4	WSW	6	b-bcq	46	86	42	7	8	-	-	2-3	2-3	1500
7	Holyhead (Valley)	32	91·6	+2	S'W	4	it₀	44	92	42	7	5	-	-	4-6	4-6	2000
	Chester (Sealand)	16	92·3	-2	-	0	z₀	41	92	38	6	5	2	-	9	10	8500
8	Manchester	235	93·4	-2	S	3	b-bc	41	92	38	8	4	-	-	2-3	2-3	4000
10	Spurn Head	29	94·5	0	S'W	4	z₀	42	86	37	6	5	2	-	4-6	10	2500
	Catterick	175	92·2	+2	S'W	2	c-bc	42	92	39	7	5	1	-	4-6	7-8	3000
	Tynemouth	108	90·3	+6	SSW	4	z₀	42	88	38	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	88·2	+20	SSW	3	b	40	97	40	7	5	-	-	1	1	4000
	Leuchars	36	87·3	+18	SSW	2	b	41	86	38	6	5	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	19	88·5	+12	SW	2	c-bc/r	43	85	40	6	5	1	-	4-6	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	88·7	+8	W	3	b-bc	42	92	40	8	4	*	*	2-3	2-3	2000
13A	Tiree	44	87·4	+18	WSW	3	bc	42	75	35	8	3	-	-	4-6	4-6	2500
13B	Stornoway	15	84·3	+34	WSW	3	b-bc	40	92	38	7	3	-	-	2-3	2-3	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	86·6	+20	SSW	3	b	36	85	32	8	-	7	-	0	Tr	-
	Wick	114	82·2	+22	SSW	2	pr	41	75	35	9	3	-	-	7-8	7-8	2000
16	Sumburgh	19	77·5	+16	W'S	7	bc/pr	45	92	43	9	2	6	-	4-6	4-6	2000
17	Blacksod Point	18	89·7	+14	-	0	c-bc	42	92	40	8	5	-	-	7-8	7-8	2500
18	Malin Head	84	87·5	+14	SW'S	2	bc	42	85	38	8	9	-	-	4-6	4-6	1500
	Aldergrove	268	89·9	+10	SW'W	2	bc	38	97	36	8	5	-	-	4-6	4-6	700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	94·5	+16	SW'W	3	bc/pr	44	75	36	8	2	-	-	4-6	4-6	2500
	Roches Point	22	94·2	+26	W	4	bc	44	92	42	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 2nd February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	99·0	+20	WSW	4	z₀	44	85	38	6	5	-	-	9	9	[illegible]	1	*
Croydon	00·0	+16	SW'S	5	z₀	44	86	39	6	5	-	-	7-8	7-8	3500	1	*
S. Farnborough	99·9	+22	SW'W	5	c-bc	42	85	39	8	8	3	3	4-6	7-8	2500	1	*
Boscombe Down	00·2	+34	SW	4	b-bc	40	92	39	8	3	-	3	2-3	2-3	2500	1	*
Thorney Island	00·6	-10	SW	4	b-bc	46	75	39	7	3	6	3	1	2-3	2500	2	*
Lympne	01·2	+14	WSW	3	c-bc	43	85	40	7	5	4	-	4-6	7-8	3000	1	§6
Manston	99·9	+6	WSW	4	c	45	85	39	7	3	5	6	2-3	9	2000	1	*
Shoeburyness	99·7	+10	SW	4	id₀	45	75	38	6	5	-	-	7-8	7-8	2500	1	*
Felixstowe	97·7	+2	SW'S	4	it₀	44	85	40	6	5	2	-	7-8	10	1500	1	4
Gorleston	97·4	+6	SW'S	3	c-bc	41	76	36	7	5	-	-	7-8	7-8	2500	1	3
Mildenhall	96·6	+6	SW'S	3	c	42	85	38	7	5	7	-	9	10	2200	1	*
Cranwell	95·6	+10	SW'S	5	z₀	40	92	39	6	5	7	-	4-6	9+	2600	0	*
Birmingham	96·4	+10	SW	3	c	40	92	38	8	5	7	-	2-3	9	1500	1	*
Upper Heyford	96·9	+14	WSW	4	c/+	41	92	40	8	5	7	-	9	10	1500	1	*
Ross-on-Wye	96·9	+6	SW'W	4	c	44	75	36	8	5	-	-	9+	9+	2500	1	*
Hartland Point	99·7	+20	WNW	6	bc	46	75	40	8	3	-	-	4-6	4-6	1500	1	5
Bristol	99·3	+22	WSW	4	c-bc/pr	40	85	38	7	8	-	-	7-8	7-8	2500	2	*
Portland Bill																	
Plymouth	01·6	+12	WSW	6	bc	46	75	39	7	8	6	3	4-6	4-6	2000	1	4
The Lizard	02·0	+14	NW	6	c-bc/pr	43	92	41	8	8	-	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	01·6	+16	W	6	bc jp	45	97	44	8	8	-	-	4-6	4-6	1500	1	5
Guernsey																	
Pembroke	97·8	+10	W'S	6	ir	46	75	39	8	8	-	-	4-6	4-6	1500	1	5
Holyhead (Valley)	94·5	+24	WSW	4	c-bc/pr	44	92	41	8	8	-	-	7-8	7-8	1500	1	2
Chester (Sealand)	94·0	+14	SSW	1	c-bc	42	86	37	6	5	-	8	4-6	7-8	3500	1	*
Manchester	94·9	+14	S	3	c-bc	39	92	37	8	4	6	-	2-3	7-8	2500	1	*
Spurn Head	94·4	+4	SW'S	4	c-bc	40	92	38	7	7	3	-	4-6	7-8	2500	1	3
Catterick	93·5	+10	S	1	ṫ₀ṫ₀	39	97	39	6	-	2	-	10	10	2600	1	*
Tynemouth	91·9	+10	W	3	z₀	41	88	38	5	2	-	-	4-6	4-6	2500	1	3
St. Abbs Head	90·8	+14	SW	2	b-bc	40	97	40	7	5	-	-	2-3	2-3	4000	0	3
Leuchars	90·0	+8	W	1	b-bc	36	97	36	7	5	4	8	1	2-3	4000	1	*
Renfrew (Abbots I.)	91·6	+18	SSW	1	pr	40	97	39	5	8	-	-	9+	9+	1800	2	*
Eskdalemuir	91·9	+4	S	1	c-bc	38	92	35	7	6	-	-	7-8	7-8	2200	1	*
Point of Ayre	92·3	+16	W	3	b	39	97	38	8	4	4	-	Tr	1	1800	0	2
Tiree	90·2	+16	N	1	bc	38	85	33	8	2	-	1	2-3	4-6	2500	1	2
Stornoway	88·1	+18	WSW	3	b	39	97	39	8	8	-	-	1	1	2000	1	2
Dalwhinnie	90·0	+18	S	3	c-bc	37	85	33	7	5	-	-	7-8	7-8	2500	1	*
Aberdeen †	89·6	+18	WSW	3	b-bc	36	75	32	7	-	4	6	0	2-3	-	3	2
Wick	86·8	+22	SW	3	b-bc	38	85	35	9	5	-	-	2-3	2-3	2000	1	*
Sumburgh	83·3	+30	W	5	c-bc	45	92	43	8	3	6	3	4-6	7-8	2000	1	5
Blacksod Point	92·7	+14	W	3	bc	42	85	38	8	9	-	-	4-6	4-6	1500	2	3
Malin Head	90·5	+18	SW'S	2	c-bc	41	86	37	8	9	-	-	7-8	7-8	1500	2	3
Aldergrove	92·8	+22	SW	2	f-	38	97	37	2	-	-	-	10	10	<150	1	*
Birr Castle	95·3	+22	SSW	1	b-bc	38	92	36	8	3	-	-	2-3	2-3	1500	1	*
Valentia Obsy.	97·2	+12	S	2	c-bc	40	85	36	8	8	-	-	7-8	7-8	2500	1	4
Roches Point	98·1	+20	W	3	b-bc	42	92	40	8	3	-	-	2-3	2-3	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine Hrs. (38)
London (Kew)	49	42	37	1	8	2·0
Croydon	50	40	37	1	10	1·4
S. Farnborough	49	41	37	2	7	2·1
Boscombe Down	50	38	36	1	5	2·1
Thorney Island	51	41	28	4	15	*
Lympne	50	42	39	5	3	1·9
Manston	50	43	39	3	3	3·3
Shoeburyness	52	41	36	2	6	3·0
Felixstowe	51	41	38	Tr	3	*
Gorleston	51	40	35	2	0·2	4·3
Mildenhall	51	40	33	3	3	3·2
Cranwell	48	38	36	Tr	0·2	3·4
Birmingham	45	38	35	4	0·2	1·2
Upper Heyford	47	39	36	0·3	1	*
Ross-on-Wye	48	40	36	19	1	0·3
Hartland Point	49	42	39	2	3	0·8
Bristol	47	40	37	3	7	2·5
Portland Bill			*			*
Plymouth	43	43	41	0·3	4	1·5
The Lizard	51	42	*	6	4	2·1
Scilly (St. Mary's)	51	43	*	1	3	1·8
Guernsey						
Pembroke	50	45	*	*	3	0·5
Holyhead (Valley)	51	42	39	Tr	4	*
Chester (Sealand)	53	39	37	0·2	1	2·7
Manchester	49	39	35	2	1	*
Spurn Head	47	39	*	*	0·3	3·9
Catterick	49	38	36	0·1	0·3	3·3
Tynemouth	49	41	36	-	-	*
St. Abbs Head	48	39	*	0·2	-	*
Leuchars	47	36	30	0·2	Tr	3·1
Renfrew (Abbots I.)	47	39	32	*	0·1	2·4
Eskdalemuir	44	36	32	1	Tr	0·0
Point of Ayre	50	38	*	-	*	5·7
Tiree	49	37	39	2	-	1·9
Stornoway	46	37	32	3	2	0·6
Dalwhinnie	39	36	30	8	1	0·3
Aberdeen †	44	36	26	Tr	-	2·5
Wick	44	36	32	-	Tr	*
Sumburgh	45	42	40	-	3	3·6
Blacksod Point	50	41	*	1	8	*
Malin Head	47	40		2	Tr	1·2
Aldergrove	49	35	30	0·3	0·1	4·1
Birr Castle	46	37	34	-	2	1·6
Valentia Obsy.	50	40	34	3	7	0·5
Roches Point	49	[illegible]	*	3	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st February … 18h. G.M.T. / 01h. G.M.T. 2nd February … 07h. G.M.T.

III	13h. $C_L C_M$	13h. wwVhNh	13h. DDFWN	18h. $C_L C_M$	18h. wwVhNh	18h. DDFWN	01h. $C_L C_M$	01h. wwVhNh	01h. DDFWN	07h. $C_L C_M$	07h. wwVhNh	07h. DDFWN
109	56	01862	97513	57	51646	18458	50	01754	21584	30	02754	24584
115							87	02844	53686			
203												
206	96	81855	51685	9-	25854	54585	40	25852	55482	50	01964	24204
210	13	02861	18315	63	54683	77343	46	01361	55412	53	01963	21314
220	30	02745	23585	20	01854	23314				04	03790	25201
230	36	25954	18485	9-	02857	18487	30	01852	70282	3-	0853	18223
245	86	01764	19484	84	01663	21484	50	01861	22301			
260	56	01863	18423	8-	05665	53385	00	00790	20200	54	01762	20213
278	56	01843	19514	86	02844	20385	50	01753	23453	5-	05638	10128
279	3	01863	19714	33	02753	20725				5-	02847	20387
285				23	81744	24685				27	02744	26486
288	70	05653	18583	56	02862	5613	50	01854	15414	57	05661	17380
575	[illegible]	25844	20485	30	01853	20215	5-	01854	18114	5-	02844	16124
301	6	01751	18384	29	02753	20416	00	25790	17384	87	05654	18384
321												
2.9	4	05644	20414	00	05630	20303	50	05653	22403	50	05654	22204
292	[illegible]	05657	20467	4-	05464	20225	50	05655	16115	57	05653	16114
310				--	63428	24468				--	63428	20468
614	81	25645	53466	86	05554	20425	54	06653	52424	57	62545	22368

III	13h. $C_L C_M$	13h. wwVhNh	13h. DDFWN	18h. $C_L C_M$	18h. wwVhNh	18h. DDFWN	01h. $C_L C_M$	01h. wwVhNh	01h. DDFWN	07h. $C_L C_M$	07h. wwVhNh	07h. DDFWN
333	10	01753	22314	86	81854	20387	51	62645	18188	8-	02744	18388
334	--	02643	26315	--	25644	28385				--	63437	24388
340	87	02954	16385	5-	02845	21385	50	01853	16313	53	02854	16225
136	76	01754	20425	54	01764	20484	03	05690	18483	5-	61744	20427
336	23	01753	24515	23	01754	20415				57	25634	20588
350	9-	02756	53526	3-	01754	54424	36	02665	18325	57	22645	19367
368	8-	25747	22487							84	81756	55487
379	57	02735	55686	57	02744	20485	50	05652	20362	5-	21645	22455
390	86	05543	18583				50	22753	51392	5-	61548	55468
382	96	25844	55584	96	25854	53585	04	01790	18313	53	02765	22458
438	86	14744	22715	87	01743	22684	50	14734	22724	87	14735	22786
430	8-	25746	53586	5-	88645	58525	5-	63658	57468	40	05652	57413
409	36	25753	20684	36	82747	19887	3-	62758	55688	3-	25755	50686

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	b,cpr₀f	pr₀prcpr₀	r₀fr₀f
Croydon	bcpr₀r₀	cz₀pr₀cm₀	orrcm₀
Greenwich	cbcp	bcptl	cirtlRc
Camden Square	c	c	*
Kensington	bcc	cpc	*
Hampstead	bcp	ortl	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·1 9-19h on 1st. Min. Time ·0·1 Rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	49	42	37	1	8	2·0	*	*
Croydon	50	40	37	1	10	1·4	*	*
Greenwich	50	40	35	6	11	1·6	79	72
Westminster	51	41	38	1.1			73	75
Regents Park	49	42	38	1	10		74	72
Camden Square	50	42	37	Tr	10	*	*	75
Kensington	51	40	35	Tr	11		86	77
Hampstead	49	39	35	0·5	9		*	82

SECRET

Page 1

BRITISH SECTION

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

Wednesday 3rd February 1943.

No. 29658

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	02·4	+18	WSW	4	c	48	65	36	7	8	-	3	7-8	9	1500
	Croydon	03·6	+10	SW	3	c-bc	49	75	40	8	2	-	-	7-8	7-8	2000
	S. Farnborough	03·6	+16	W'S	4	c	48	65	39	8	8	-	-	9	9	2000
	Boscombe Down	03·9	+18	WSW	4	o	48	75	40	8	2	-	1	4-6	4-6	2500
	Thorney Island	04·2	+10	WSW	5	bc	49	65	38	8	8	-	-	4-6	4-6	4000
	Lympne	04·0	+8	WSW	4	c-bc	48	75	41	8	2	-	-	7-8	7-8	1800
	Manston	03·1	+14	WSW	4	bc	49	65	37	8	2	-	3	4-6	4-6	3000
2	Shoeburyness	03·0	+10	WSW	4	c	50	65	39	8	2	6	-	7-8	9	4000
	Felixstowe	01·4	+6	SW'W	5	bc	48	65	38	7	2	4	2	2-3	4-6	2500
	Gorleston	00·2	+16	WSW	3	°/pr	45	85	42	7	5	-	-	10	10	1000
	Mildenhall	00·3	+14	SW'W	5	c	46	75	39	8	8	-	-	7-8	9+	2000
	Cranwell	99·1	+18	W'S	4	z_0	45	85	41	6	8	4	3	4-6	7-8	3000
3	Birmingham	00·8	+24	WSW	3	pr_0	44	92	42	8	8	7	-	7-8	9+	1500
	Upper Heyford	01·1	+16	WSW	5	bc	46	75	39	8	8	6	3	4-6	4-6	2500
4	Ross-on-Wye	01·6	+14	SSW	3	c	46	65	36	8	8	-	3	4-6	9	3000
5	Hartland Point	03·0	+22	W	5	PR	46	75	40	8	3	-	-	7-8	7-8	1800
	Bristol	04·0	+22	W	4	r/tlr	42	92	41	6	9	-	3	7-8	7-8	1500
	Portland Bill	04·3	+22	SSW	6	c-bc	48	92	46	8	2	-	-	7-8	7-8	4000
	Plymouth	05·4	+16	W'S	4	c-bc/pr	49	65	39	8	3	6	-	4-6	7-8	2500
	The Lizard	04·8	+8	WNW	6	c-bc/pr	49	75	40	8	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	05·9	+18	WSW	6	cbcjp	46	75	38	7	3	6	-	7-8	7-8	1500
	Guernsey															
6	Pembroke	02·5	+18	WSW	6	cq	47	75	38	8	8	3	-	7-8	9	2500
7	Holyhead (Valley)	99·3	+22	SW	4	bc	48	75	41	8	2	4	1	4-6	4-6	2000
	Chester (Sealand)	98·9	+20	W'S	1	c	43	85	38	8	8	2	3	2-3	9+	2000
8	Manchester	99·5	+26	SW	3	pr_0	41	97	40	6	4	-	-	10	10	1500
10	Spurn Head	98·6	+18	WSW	4	bc	45	75	38	6	7	3	-	4-6	4-6	4000
	Catterick	97·3	+18	WSW	2	bc	48	75	39	7	2	6	2	2-3	4-6	3000
	Tynemouth	96·5	+20	NW	3	bc	46	75	42	6	2	3	-	2-3	4-6	2500
11	St. Abbs Head	95·2	+32	SW	2	c-bc	46	85	42	7	2	4	-	4-6	7-8	3500
	Leuchars	94·6	+22	SW	2	c	44	85	39	7	1	5	-	Tr	9+	3000
12	Renfrew (Abbots I.)	95·7	+18	W'S	2	c	45	85	41	8	9	6	3	7-8	9+	2500
	Eskdalemuir	96·1	+8	SSW	3	c	40	85	36	7	5	-	-	10	10	1800
	Point of Ayre	97·2	+20	WNW	4	ir_0	44	85	41	7	6	-	-	9+	9+	1000
13A	Tiree	94·4	+14	S	2	cbcjp	48	85	43	9	3	7	2	1	7-8	2500
13B	Stornoway	92·2	+8	SW	4	c	44	85	41	8	2	7	2	1	9	2200
15	Dalwhinnie	94·0	+20	WSW	2	c	41	75	33	8	5	9	-	2-3	9+	2500
	Aberdeen	93·7	+18	WSW	2	b-bc	47	65	37	8	-	-	8	0	2-3	-
	Wick	91·5	+16	SW	2	c-bc	45	75	37	9	3	3	6	4-6	7-8	1500
16	Sumburgh	88·4	+18	W'S	6	c-bc	47	85	42	8	3	6	3	4-6	7-8	2000
17	Blacksod Point	97·0	+22	SW	3	bc	48	75	41	8	8	-	-	4-6	4-6	2500
18	Malin Head	95·0	+20	SW'S	3	c-bc/r	44	85	40	8	8	7	-	4-6	7-8	1500
	Aldergrove	97·5	+18	SW	3	c	44	85	38	9	8	4	-	9	9+	3000
19	Birr Castle	98·6	+12	WSW	2	bc	46	76	39	8	2	-	-	4-6	4-6	2500
20	Valentia Obsy.	01·2	+26	W'S	5	pr_0	44	75	37	8	3	-	-	9+	9+	2500
	Roches Point	00·9	+10	W	3	bc	45	85	41	8	3	-	3	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	05·6	+18	SW	2	z_0	42	85	37	5	5	-	-	1	1	1500	1	*
Croydon	05·8	+10	SSW	2	z_0	42	92	39	6	3	4	1	Tr	2-3	2500	1	*
S. Farnborough	05·6	+10	SW	3	b_0	40	92	37	8	8	-	3	Tr	Tr	2000	1	*
Boscombe Down	06·4	+14	SW'S	3	b-bc	40	85	36	8	3	4	3	1	2-3	2500	1	*
Thorney Island	06·6	+18	WSW	3	b-bc	44	75	37	7	3	-	-	2-3	2-3	1500	1	*
Lympne	06·5	+18	WSW	2	bc.	42	85	39	8	4	-	-	4-6	4-6	3000	1	§ 6
Manston	05·5	+20	WSW	3	c	43	85	39	8	8	5	-	9	9	3000	1	*
Shoeburyness	05·9	+20	WSW	3	z_0.	43	92	40	5	-	4	-	0	2-3	-	1	*
Felixstowe	04·3	+10	SW	4	b	44	75	37	7	5	7	-	Tr	1	4000	0	3
Gorleston	02·7	+12	SW'W	3	c	44	85	40	7	8	-	-	9	9	1500	1	3
Mildenhall	03·5	+24	WSW	3	b-bc	42	85	37	7	4	..	-	2-3	2-3	3000	1	*
Cranwell	02·0	+10	W'S	2	c-bc/pr	40	97	39	5	5	3	-	4-6	7-8	3000	1	*
Birmingham	02·4	+20	SW	2	b-bc	41	85	37	8	5	-	-	2-3	2-3	1500	1	*
Upper Heyford	04·0	+18	WSW	4	bc	40	92	38	7	3	6	3	4-6	4-6	2500	1	*
Ross-on-Wye	05·1	+34	WSW	2	b-bc	41	85	36	8	8	-	3	1	2-3	2500	1	*
Hartland Point	03·7	+10	W	5	c/pr	46	85	41	8	3	-	6	7-8	9	1500	1	4
Bristol	05·3	+10	SW'W	4	PR	41	92	38	7	3	-	-	9+	9+	2500	2	*
Portland Bill	06·1	+8	SW	5	c	49	92	47	7	5	2	-	4-6	10	2500	1	6
Plymouth	07·1	+16	W'S	4	c	45	85	40	7	8	6	-	7-8	9+	2000	1	3
The Lizard	06·8	+12	WNW	6	c-bc	47	75	40	8	8	-	-	7-8	7-8	1400	1	5
Scilly (St. Mary's)	06·7	+8	W	6	c-bc	46	85	41	7	8	6	-	7-8	7-8	1200	1	5
Guernsey																	
Pembroke	02·4	+4	W'S	6	cbcq	47	75	40	8	8	-	-	7-8	7-8	2500	1	4
Holyhead (Valley)	01·1	+14	WSW	4	c-bc	44	75	36	8	2	6	-	4-6	7-8	2000	1	3.
Chester (Sealand)	01·4	+10	W	1	b-bc	43	75	36	8	-	-	3	0	2-3	-	1	*
Manchester	01·7	+12	SSW	3	z_0	40	85	37	6	2	6	3	2-3	4-6	2500	1	*
Spurn Head	01·4	+16	W'S	4	r_0r_0	42	92	40	6	5	2	-	7-8	10	1500	1	4
Catterick	00·2	+24	WSW	1	c	42	85	38	7	5	6	-	4-6	9	2000	1	*
Tynemouth	98·9	+14	W	3	c-bc	43	92	41	6	8	-	-	7-8	7-8	2500	1	3
St. Abbs Head	97·1	+10	SW	3	bc	41	97	40	7	5	-	-	4-6	4-6	3500	0	3
Leuchars	96·9	+20	SW	1	c-bc	39	97	38	5	5	4	-	2-3	7-8	4500	1	*
Renfrew (Abbots I.)	98·1	+14	SSW	1	c	43	85	40	7	8	6	-	7-8	9	1800	1	*
Eskdalemuir	98·6	+14	SW	3	c	39	92	38	6	5	-	-	10	10	700	1	*
Point of Ayre	99·4	+14	W'S	3	b	41	85	37	8	2	-	1	1	1	2500	0	2
Tiree	96·3	+14	WSW	1	bc	39	97	38	9	3	7	2	1	4-6	1800	1	1
Stornoway	94·8	+18	SW	3	bc/pr	41	92	39	8	8	6	1	4-6	4-6	1800	1	2.
Dalwhinnie	96·5	+16	S	1	b-bc	32	85	29	8	4	-	1	2-3	2-3	4000	1	
Aberdeen	96·9	+14	SW	2	m	41	75	32	4	5	1	3	Tr	9	4000	1	2
Wick	94·2	+14	SW	2	bc	40	85	35	9	8	-	1	2-3	4-6	4000	1	*
Sumburgh	91·1	+14	W'N	5	bc/pr	44	92	42	8	3	-	-	4-6	4-6	2000	1	4
Blacksod Point	00·2	+32	W'N	3	c/pr	43	85	39	8	9	-	-	9+	9+	2500	1	3
Malin Head	96·6	+12	SW	3	c-bc	43	75	36	8	9	-	-	7-8	7-8	1500	2	3
Aldergrove	99·1	+14	SW	1	b-bc	40	85	35	8	8	-	1	2-3	2-3	3000	1	*
Birr Castle	00·7	+10	WSW	2	ir	41	85	37	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	05·9	+42	WNW	5	c	45	75	38	8	8	-	3	4-6	9	2500	1	5
Roches Point	03·4	+22	W'N	3	c-bc/pr	43	92	41	8	3	-	3	4-6	7-8	1500	1	5

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 2nd (39)	13h.–18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.–7h. 3rd (42)
London (Kew)	bcm_0	$prbm_0w$	$bbcm_0w$	$cr_0r_0cm_0$
Croydon	bcc	cprcm	bm_0wm_0	$bm_0cir_0m_0$
S. Farnborough	bbcoc	$cprhpr_0bcb$	bbm_0b	$bcpr_0ir_0m_0b$
Boscombe Down	bcbbcc	cbcb	$bbcbm_0$	bm_0bcbbc
Thorney Island	bc	$bcprm_0b$	bbm_0b	$bbcpt_0b$
Lympne	cbcc	cbc	bcbw	bbcw
Manston	cbc	$bccpr_0jp$	bm_0	bcm_0c
Shoeburyness	cid_0m bc	$cbcm_0$	bcm_0	bcr_0cm_0
Felixstowe	cir_0m_0bc	bcb_0	b	$bbcm_0w$
Gorleston	cpr_0	cpr_0	bw	cbc
Mildenhall	c	cpr_0bc	$bccm_0b$	cbcb
Cranwell	em_0bcm_0	cpr_0cm_0	bm_0	bm_0x
Birmingham	cpr	cprbc	bc	bc
Upper Heyford	cbc	bcc bc	$bccbm_0$	$bcm_0cid_0m_0$
Ross-on-Wye	ccbbcc	cr_0cc	cr_0cb	cbb
Hartland Point	$bccpr_0bcc$	cprrh	cbcpr	bcp+phr
Bristol	cpr_0TpR	cpr_0bc,cpr	$bbccpr_0pr$	cbc
Portland Bill	cc	cc	cbc	pcc
Plymouth	$bcpr_0$	cm_0tlh	$cbcm_0pr$	$bcpr_0$
The Lizard	bcprc	cprc	cp+bc	cp+bc
Scilly (St. Mary's)	bcc	cqhrqc	bcp_0bc	bcphrq
Guernsey				
Pembroke	cq	cplq	PRbcq	bccq
Holyhead (Valley)	cpr_0c	cbcc	bcb	$cp+_0bcb$
Chester (Sealand)	cm_0rrir_0	c,bcjp	bcr_0r_0b	bc,cr_0t_0
Manchester	cm_0pr	pr_0cm_0	$bcpr_0$	pRH
Spurn Head	bcz_0	$cm_0r_0r_0$	bm_0	bm_0
Catterick	$cr_0r_0m_0cbc$	bcc	bm_0b	bcb
Tynemouth	bcm	cbc	cbc	bc
St. Abbs Head	bcc	bcc	bcci+c	eirbc
Leuchars	bcm_0c	$cbcm_0$	$bcwcbcm_0$	$bccm_0w$
Renfrew (Abbots I.)	cm_0pr_0c	ccm_0pr_0c	bcm_0	bcm_0pr_0
Eskdalemuir	com_0	$bccm_0$	cp+c	cbc
Point of Ayre	bbcc	zirbcb	b	$crrir_0$
Tiree	cxcjp	$cjppr_0cjp$	cpr_0bc	bbc
Stornoway	bbc	cpr_0bc	cpr_0bc	$bcpr_0bc$
Dalwhinnie	c	cbc		$bcid_0o$
Aberdeen	bcxfzb	bbcycz	$czBz_0x$	bz_0bzx
Wick	bcbbc	bccbc	bc	bc
Sumburgh	bc	$bcpr_0cphbc$	bc	$bcpr_0c$
Blacksod Point	bc	pr	pr	pr
Malin Head	r	bc	pr	pr
Aldergrove	cpr_0c	cbcb	bbxbbc	cpr_0r_0cbc
Birr Castle	bc	r	*	bc
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr		pr	pr b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 3rd February 1943.

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Moderate to light westerly winds; considerable bright periods; a few local showers; rather cold; ground frost at night.
5 S.W. England 6 South Wales	Fresh northwest winds decreasing backing southwest; variable cloud; showers; bright periods; chance of rain by end of period; rather cold
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 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate westerly winds, fresh to strong at times locally on western and northern coasts; variable cloud; showers; brighter periods; rather cold; ground frost in places at night.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 7- 15.

GENERAL INFERENCE

A trough of low pressure northward of the British Isles continues to fill up whilst pressure is presumably highest southward of the British Isles. There will continue to be further showers in many districts but with considerable bright periods. Conditions will continue rather cold with some ground frost at night. A depression northwest of the Azores may cause a deterioration to rain and low cloud in Southwest England before the end of the period.

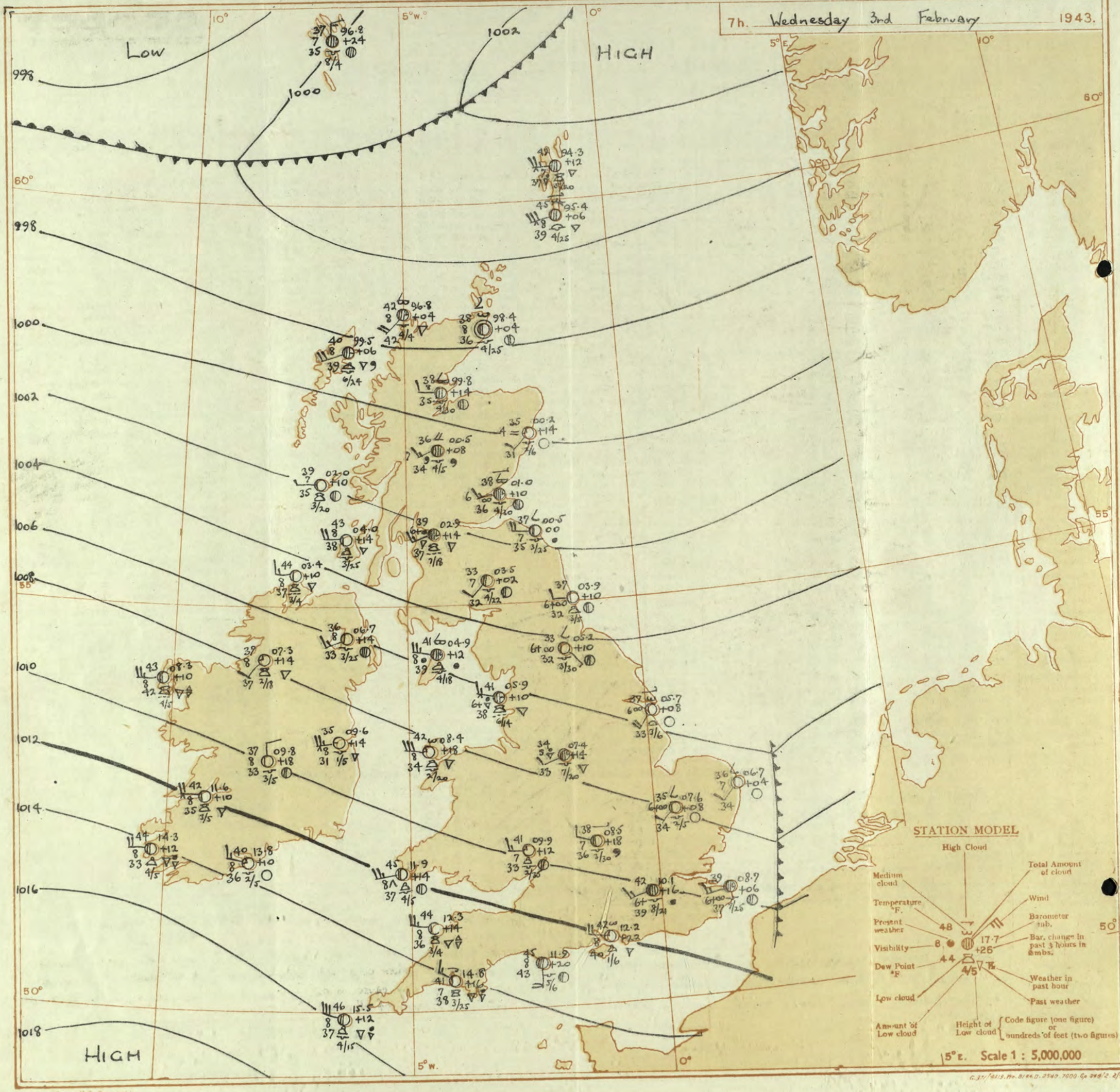
FURTHER OUTLOOK

None issued.

Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Wednesday 3rd February 1943.



H.M.S.O. Press. N.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Wednesday 3rd February 1943

No. 29658

OBSERVATIONS at 1 hr. G.M.T. 3rd February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon ...	290	08·7	+6	SW	3	Z_0	40	92	37	6	5	-	-	Tr	Tr	2500
	S. Farnborough	226	08·3	+10	SW	4	b-bc	39	92	37	7	5	-	-	2-3	2-3	2500
	Boscombe Down	417	08·4	+6	SW'S	3	b	40	85	36	6	5	-	-	1	1	3000
	Thorney Island	10	08·9	+8	WSW	3	b	44	85	39	7	5	-	-	1	1	4000
	Lympne ...	283	09·0	+10	SW	1	b	39	92	37	7	-	-	-	0	0	-
	Manston ...	154	07·8	0	SW'W	2	Z_0	39	97	38	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	06·8	+8	SW	0	b	41	85	36	7	-	-	-	0	0	-
	Gorleston ...	5	06·3	+16	SW'S	2	b	38	92	36	7	-	-	-	0	0	-
	Mildenhall ...	15	06·4	+10	SW'S	3	b	38	85	35	7	-	-	-	0	0	-
	Cranwell ...	203	05·1	+6	W	3	Z_0	36	97	35	6	-	4	-	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·4	+10	SW	1	Z_0	36	97	36	6	-	-	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·5	+26	WNW	5	b-bc	45	75	38	8	3	-	-	2-3	2-3	1500
	Bristol ...	209	07·9	+12	WSW	3	bc/pr	41	92	39	7	6	-	3	4-6	4-6	2500
	Portland Bill ...	32	08·7	+16	SW	5	c	47	92	45	7	6	-	-	10	10	2500
	Plymouth ...	82	11·1	+26	W'N	4	b-bc/pr	45	85	40	7	8	-	-	2-3	2-3	2500
	The Lizard ...	240	12·3	+24	WNW	6	bc	47	85	42	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	13·4	+32	NW'W	6	bc	46	75	39	8	8	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	08·1	+32	W'N	5	bcq	48	85	40	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	05·0	+16	W'N	4	b	42	85	37	8	2	-	-	1	1	2000
	Chester (Sealand)	16	04·5	+14	SW	1	b-bc	36	85	33	7	5	-	-	2-3	2-3	3500
8	Manchester ...	235	05·3	+12	S'E	3	c-bc/pr	37	92	35	7	4	-	-	7-8	7-8	4300
10	Spurn Head ...	29	04·7	+14	WSW	3	Z_0	39	85	35	6	-	-	-	0	0	-
	Catterick ...	175	03·6	+8	SW	1	b-bc	38	85	33	7	5	-	-	2-3	2-3	5800
	Tynemouth ...	108	02·0	+10	W	3	Z_0	39	85	35	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	99·5	+14	W	3	c-bc/r	40	92	38	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	00·0	+10	WSW	3	b	37	97	35	6	5	-	-	Tr	Tr	4000
12	Renfrew (Abbots L.)	19	01·0	+10	SW	1	Z_0	39	92	37	6	8	-	-	4-6	4-6	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	03·1	+16	W'N	3	b	41	85	39	8	5	-	-	Tr	Tr	2000
13A	Tiree	44	99·7	+16	W	1	bc	41	85	38	7	2	-	-	4-6	4-6	2000
13B	Stornoway ...	15	97·5	+6	SSW	2	c	40	97	39	8	8	7	-	1	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	98·8	+8	W	4	b-bc	37	97	35	8	-	4	-	0	2-3	*
	Wick ...	114	97·4	+10	SW	3	bc	39	85	35	8	8	-	-	4-6	4-6	2000
16	Sumburgh ..	19	94·0	+12	W	6	bc	45	92	42	8	2	6	-	2-3	4-6	2500
17	Blacknod Point	18	06·7	+22	W'N	6	bc	43	75	36	8	9	-	-	4-6	4-6	2500
18	Malin Head ...	84	01·2	+20	WNW	3	pr	43	85	39	8	9	-	-	9	9	1500
	Aldergrove ...	268	03·6	+22	SW	3	c	36	97	35	8	5	-	-	10	10	1100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·6	+26	WNW	4	bc	45	65	35	8	3	-	-	4-6	4-6	2500
	Roches Point	22	11·5	+32	WNW	4	b-bc	42	85	38	8	3	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 3rd February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	09·7	+20	W	3	Z_0	42	85	37	5	5	3	-	7-8	9	1500	1	*
Croydon ...	10·1	+16	WSW	3	c	42	85	39	6	5	-	-	10	10	2100	1	*
S. Farnborough	09·9	+18	W	4	b	39	92	37	9	5	-	-	Tr	Tr	2000	1	*
Boscombe Down	11·7	+20	WNW	4	bc	40	85	35	8	8	-	-	4-6	4-6	2500	1	*
Thorney Island	12·2	+22	WNW	4	b	42	92	40	8	2	3	-	Tr	1	4000	1	*
Lympne ...	09·6	+6	W	2	c	39	92	37	7	4	-	-	9	9	4000	1	*
Manston ...	08·7	+6	W'S	3	Z_0	39	97	37	6	5	-	-	9+	9+	2500	1	5
Shoeburyness ...	09·4	+12	SW	2	Z_0	41	92	39	6	5	-	-	10	10	2500	1	*
Felixstowe ...	08·0	+8	WSW	2	Z_0	37	85	34	6	-	4	-	0	7-8	-	1	3
Gorleston ...	06·7	+4	SW'W	2	b-bc	36	92	34	7	-	4	-	0	2-3	-	1	3
Mildenhall ...	07·6	+8	SW'W	2	Z_0	35	97	34	6	5	4	-	1	2-3	2500	1	*
Cranwell ...	07·1	+12	WSW	3	Z_0	33	97	32	6	-	4	-	0	2-3	-	1	*
Birmingham ...	08·5	+10	WSW	3	b-bc	38	85	34	8	5	-	-	2-3	2-3	1500	1	*
Upper Heyford	08·5	+18	W'W	2	bc	38	92	36	7	5	-	1	2-3	4-6	3000	1	*
Ross-on-Wye	09·9	+12	W	3	b	41	75	33	7	8	-	-	1	1	3500	1	*
Hartland Point	12·3	+14	WNW	5	b-bc/pr	44	75	36	8	3	-	-	2-3	2-3	1500	1	5
Bristol ...	11·7	+22	W'W	4	b	40	85	36	7	8	-	-	1	1	2500	2	*
Portland Bill ...	11·9	+20	S	4	c-bc	45	92	43	8	5	-	-	7-8	7-8	4000	1	5
Plymouth ...	14·8	+16	NW'W	3	b-bc/pr	41	85	38	7	3	-	3	2-3	2-3	2500	1	3
The Lizard ...	14·9	+16	WNW	5	bc	46	68	36	7	2	-	-	4-6	4-6	1500	1	5
Scilly (St. Mary's)	15·5	+12	WNW	6	bc/pr	46	65	37	8	8	-	-	4-6	4-6	1500	1	5
Guernsey ...																	
Pembroke ...	11·9	+14	W	5	bcq	45	75	37	8	8	-	-	4-6	4-6	2500	1	4
Holyhead (Valley)	08·4	+18	W'W	6	b	42	75	34	8	8	3	-	1	1	2000	1	4
Chester (Sealand)	06·8	+14	W'W	3	c/f	40	85	37	6	5	2	-	7-8	10	1000	1	*
Manchester ...	07·1	+10	SSW	3	f/f	36	97	35	4	6	2	-	7-8	10	700	1	*
Spurn Head ...	05·7	+8	SW'W	4	Z_0	37	85	33	6	1	3	1	2-3	2-3	4000	1	3
Catterick ...	05·2	+10	SE	1	Z_0	39	97	37	6	5	4	-	2-3	2-3	3000	1	*
Tynemouth ...	03·9	+10	W	2	Z_0	37	85	32	6	2	-	-	2-3	2-3	2500	1	2
St. Abbs Head	00·5	0	W	4	bc	37	92	35	7	5	4	-	2-3	4-6	2500	1	3
Leuchars ...	01·0	+10	WSW	3	Z_0	38	97	36	6	5	7	8	4-6	9+	3000	1	*
Renfrew (Abbots L.)	02·9	+14	WSW	3	pr	39	92	37	6	9	-	-	9+	9+	1800	1	*
Eskdalemuir ...	03·5	+2	SW	2	bc	33	97	32	7	5	-	-	4-6	4-6	2200	8	*
Point of Ayre ...	04·9	+12	WNW	5	Z_0	41	92	39	8	8	7	-	4-6	9+	1800	1	3
Tiree	02·0	+10	W	1	b-bc	39	85	35	7	3	-	-	2-3	2-3	2000	1	2
Stornoway ...	99·5	+6	WSW	4	c/d	40	97	39	8	8	-	-	9	9	2400	1	5
Dalwhinnie ...	00·3	+8	WSW	3	d_0	36	92	34	7	5	2	-	4-6	10	2500	1	*
Aberdeen † ...	00·2	+14	SW	1	m	35	85	31	4	5	-	-	1	1	4000	3	2
Wick ...	98·4	+4	-	0	bc	38	92	36	8	5	3	6	4-6	4-6	2500	1	*
Sumburgh ..	95·4	+6	W'S	6	c-bc	45	85	39	8	4	6	1	4-6	7-8	2500	1	5
Blacknod Point	08·3	+10	W	3	bc/pr	43	97	42	8	9	-	-	4-6	4-6	2500	2	4
Malin Head ...	03·4	+10	W'W	3	b-bc	44	75	37	8	8	-	-	2-3	2-3	1600	2	3
Aldergrove ...	06·7	+14	WSW	3	b-bc	36	92	33	8	5	-	-	2-3	2-3	2500	1	*
Birr Castle ...	09·8	+18	N	1	b-bc	37	85	33	8	5	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	12·3	+12	W'N	4	bc/pr	44	65	33	8	2	-	-	4-6	4-6	2500	1	5
Roches Point	13·8	+10	WNW	3	b	40	85	36	8	5	-	-	1	1	2500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
London (Kew)	48	39	31	0·1	0·5	4·6
Croydon ...	50	38	34	0·2	0·2	5·8
S. Farnborough	49	38	31	0·6	0·2	6·2
Boscombe Down	49	36	33	-	0·2	6·2
Thorney Island	50	41	32	0·5	Tr	*
Lympne ...	50	38	33	-	Tr	6·0
Manston ...	50	37	34	Tr	-	5·5
Shoeburyness ...	50	39	31	0·2	0·3	5·3
Felixstowe ...	49	36	33	1	-	3·6
Gorleston ...	46	35	32	1	-	0·1
Mildenhall ...	48	34	28	0·6	Tr	0·1
Cranwell ...	46	32	30	Tr	-	1·6
Birmingham ...	44	35	32	3	-	1·7
Upper Heyford	47	35	31	-	Tr	*
Ross-on-Wye	47	39	31	0·2	0·5	3·1
Hartland Point	47	43	41	3	1	2·4
Bristol ...	43	39	35	3	2	2·4
Portland Bill ...	49	44	*	-	-	*
Plymouth ...	50	41	35	1	Tr	5·8
The Lizard ...	49	43	*	0·5	0·5	5·0
Scilly (St. Mary's)	50	43	*	0·2	0·3	4·5
Guernsey ...						
Pembroke ...	48	43	*	5	0·6	1·7
Holyhead (Valley)	48	42	37	1	1	*
Chester (Sealand)	48	34	26	1	2	1·4
Manchester ...	43	35	29	5	3	*
Spurn Head ...	46	36	*	0·5	0·6	4·2
Catterick ...	49	33	26	1	-	2·4
Tynemouth ...	47	37	33	Tr	-	*
St. Abbs Head	47	36	*	-	0·3	*
Leuchars ...	48	34	31	-	-	4·1
Renfrew (Abbots L.)	48	36	30	Tr	1	0·9
Eskdalemuir ...	42	31	25	-	3	0·7
Point of Ayre ...	47	39	*	Tr	1	2·0
Tiree	49	36	31	Tr	0·1	1·1
Stornoway ...	47	39	34	0·3	1	1·5
Dalwhinnie ...	43	32	26	-	0·4	3·6
Aberdeen † ...	48	33	23	-	-	5·0
Wick ...	47	34	31	-	-	*
Sumburgh ..	47	42	39	5	2	2·6
Blacknod Point	48	38	*	1	5	*
Malin Head ...	46	40	*	Tr	5	3·3
Aldergrove ...	47	33	30	0·1	1	3·1
Birr Castle ...	47	35	32	0·2	1	4·5
Valentia Obsy.	47	42	38	3	1	1·9
Roches Point	47	39	*	0·5	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 2nd Feb:				18h. G.M.T.				01h. G.M.T. 3rd Feb:				07h. G.M.T.			
III	$C_L C_M$	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	36	81653	22586	36	25758	21583		8-	02754	20414		80	25744	22484	
115				86	81845	53586		57	02844	20826		57	02844	20487	
203	84	02945	16417												
206	20	02962	22315	57	02863	21326		50	01864	24214		57	02864	24215	
210	30	02962	21225	37	02963	21225		54	01962	20214		54	02962	20215	
220	57	02854	21216	80	81746	20316						80	01754	20214	
230	36	02954	22185	3-	01954	17384		9-	01854	18294		9-	25857	25387	
245	00	01890	22204	24	01852	00015		50	01762	21202		57	05661	24203	
260	26	05654	24325	54	01753	23214						50	01763	20313	
278	57	51735	23357	87	02854	22465		50	01841	23321		02	62638	25468	
279	5-	17638	22328	83	05634	21325		50	05653	22393		52	51645	22327	
285	23	01744	24415	27	81638	26487						23	01743	28414	
288	07	01790	20324	9-	81757	20327		00	05680	19200		54	01861	26301	
575	70	01853	18223	80	10844	16314		5-	02748	16188		30	01842	20282	
301	82	25746	22388	26	01753	22383		8-	81655	00015		9-	81646	59386	
321															
2.)	5-	05555	20215	50	05644	20314		50	05643	22213		54	05644	22214	
292	57	05553	24266	47	25655	20286		50	05651	20111		50	05552	20112	
310	--	57109	20359									--	77209	20329	
614	67	05647	24428	40	05552	22212		50	45354	24244		57	08465	20216	

13h. G.M.T. 2nd Feb:				18h. G.M.T.				01h. G.M.T. 3rd Feb:				07h. G.M.T.			
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
333	23	01753	23313	36	25754	20384		24	01763	20183		80	01864	22384	
334	--	25644	26285	--	01743	26314						--	25646	24387	
340	22	25854	24265	80	01853	18313		50	01851	18101		8-	02855	22205	
136	6-	02744	21467	8-	81857	22487		00	05690	20280		50	05573	20213	
336				53	01752	24413						13	01654	24415	
350	20	02754	22425	90	01753	20284		50	05661	20121		54	05664	22265	
368				86	02844	22385		80	81754	57484		20	25863	59483	
379	90	02844	22424	9-	25645	20285		5-	05654	24454					
390	84	01753	20564	40	08461	20312		00	05590	20200		54	05553	22364	
382				36	01764	19314		50	01752	22202		54	01762	25323	
438	87	01764	22714	9-	11735	22615		80	01743	22513		50	01742	22612	
430				30	05652	22212		50	01752	24102		54	05642	26313	
409	36	01853	55514	36	02854	23585		30	81755	59686		26	25753	27584	

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	bcm$_0$c	prbm$_0$w	bbcm$_0$r$_0$	Kew 24 hours ended 7h. Max. Time 0·4 18-19 on 2nd Min. Time <0·1 0-5h on 3rd.
Croydon ...	bcc	cpr$_0$cm	bm$_0$wcr$_0$	
Greenwich ...	cbc	cb	bcrcbm$_0$	
Camden Square	bc	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bcor	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	48	39	31	0·1	0·5	4·6	*	*
Croydon ...	50	38	34	0·2	0·2	5·8	*	*
Greenwich ...	48	37	28	-	0·15	4·6	66	81
Westminster ..	50	39	32	1			69	84
Regents Park ..	45	39	35	Tr	1		72	83
Camden Square	48	39	33	-	2	*	*	84
Kensington ...	50	38	30	-	1		56	83
Hampstead ...	47	37	32	-	1		*	93

Page 1 **BRITISH SECTION**

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

SECRET

Thursday 4th February 1943

No. 29659

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·3	+6	W'N	4	z_o	46	55	32	6	2	–	–	4-6	4-6	2500
	Croydon	13·4	+10	W	4	bc	47	65	36	7	2	–	1	4-6	4-6	3000
	S. Farnborough	13·8	+2	W	5	c-bc	47	65	36	8	2	–	–	7-8	7-8	2000
	Boscombe Down	14·2	+4	W'S	5	bc	46	66	36	8	2	–	3	4-6	4-6	2500
	Thorney Island	14·3	+10	W'S	4	z_o	46	65	36	8	1	–	–	7-8	7-8	4000
	Lympne	13·1	+10	W	4	b-bc	45	65	35	8	1	–	–	2-3	2-3	3000
	Manston	11·9	+10	WNW	4	z_o	46	75	37	6	1	4	–	Tr	Tr	3500
2	Shoeburyness	12·5	+10	W	4	z_o	47	65	35	6	1	–	–	2-3	2-3	2500
	Felixstowe	10·9	+8	W'S	5	c-bc	46	65	36	8	8	–	–	7-8	7-8	2500
	Gorleston	09·0	+8	W'S	3	pr_o	41	85	38	6	5	–	–	10	10	1700
	Mildenhall	10·1	+8	W	5	c-bc	45	75	35	7	2	3	–	4-6	7-8	3000
	Cranwell	09·1	+8	W'S	5	z_o	43	75	36	6	6	7	3	2-3	9	1000
3	Birmingham	11·0	+6	W	4	c	43	65	33	8	8	–	–	9	9	2500
	Upper Heyford	11·7	+8	W	4	c-bc	45	65	34	8	2	6	–	4-6	7-8	2800
4	Ross-on-Wye	12·6	+10	W	3	c-bc	45	65	33	8	8	–	9	4-6	7-8	4000
5	Hartland Point	15·2	+10	NW'W	4	bc	46	65	35	8	3	–	–	4-6	4-6	1800
	Bristol	14·3	+6	W	4	pr_o	47	65	37	7	2	4	–	4-6	4-6	2500
	Portland Bill	15·4	+12	W	5	c	48	85	43	8	2	4	–	4-6	10	4000
	Plymouth	17·1	+2	W'N	3	c-bcjp	47	85	42	7	9	–	3	7-8	7-8	2000
	The Lizard	18·3	+18	WNW	5	pr	48	75	39	8	2	6	–	7-8	9	1500
	Scilly (St. Mary's)	18·0	+8	WNW	5	c-bc/pr	45	85	39	8	8	6	–	4-6	7-8	1500
	Guernsey															
6	Pembroke	14·4	+10	W	6	bcq	47	75	40	8	2	4	–	2-3	4-6	2500
7	Holyhead (Valley)	11·4	+14	W	5	b	46	65	36	8	2	6	–	Tr	Tr	2000
	Chester (Sealand)	10·0	+10	W'N	3	c-bc/pr	45	65	35	8	2	–	–	7-8	7-8	2000
8	Manchester	10·0	+12	W	5	c	43	85	38	7	3	6	–	7-8	9	2500
10	Spurn Head	07·5	+4	W	5	$r_o r_o$	40	85	37	4	5	–	–	10	10	1200
	Catterick	07·5	+12	W	3	c-bc	42	75	35	8	8	6	–	4-6	7-8	2500
	Tynemouth	06·3	+6	W	4	c-bc	44	75	37	6	2	3	–	4-6	7-8	2400
11	St. Abbs Head	05·1	+24	WNW	4	c	42	92	39	7	5	4	–	4-6	9	3800
	Leuchars	04·1	+14	WSW	3	c-bc	43	85	37	7	8	9	3	4-6	7-8	4000
12	Renfrew (Abbots I.)	05·7	+8	SW'W	4	pr_o	39	75	32	8	9	–	3	4-6	9	2000
	Eskdalemuir	07·0	+6	SW	2	c/pr	38	92	35	7	5	–	–	9+	9+	1800
	Point of Ayre	08·2	+10	WNW	5	b	46	75	39	8	4	–	4	Tr	1	2500
13A	Tiree	03·6	+8	W	4	pr_o	43	86	38	8	3	6	1	7-8	9	2000
13B	Stornoway	01·5	+2	WSW	3	b-bc	47	75	40	8	3	6	3	2-3	2-3	2200
15	Dalwhinnie	03·5	+8	SW	3	c	40	75	32	8	5	9	–	4-6	9+	2500
	Aberdeen	03·1	+12	WNW	2	c	42	75	34	7	5	9	2	Tr	9	4500
	Wick	01·1	+22	W	1	c	42	85	37	9	8	3	3	7-8	9	2500
16	Sumburgh	99·0	+20	W	4	bc	45	92	42	8	3	6	3	2-3	4-6	2000
17	Blacksod Point	11·6	+14	W	4	c/phr	44	75	37	7	9	–	–	9	9	1500
18	Malin Head	05·9	+10	NW'W	5	pr_o	42	85	38	8	9	–	–	9+	9+	1500
	Aldergrove	08·5	+6	WSW	4	pr_o	41	85	36	8	8	–	–	9+	9+	2000
19	Birr Castle	12·6	+10	WSW	3	pr_o	45	65	34	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	16·5	+10	W'N	4	c	46	65	36	8	8	–	3	7-8	9	2500
	Roches Point	16·0	+10	WNW	3	bc	46	85	42	8	3	–	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14·0	+10	WSW	2	z_o	42	75	36	6	5	–	–	Tr	Tr	2500	1	•
Croydon	14·5	+6	W'S	3	b	43	75	36	5	4	4	–	Tr	1	2500	1	•
S. Farnborough	14·6	+10	W'S	3	b	42	85	37	7	4	3	1	Tr	1	2500	1	•
Boscombe Down	15·5	+10	W'S	3	b	40	85	38	8	2	–	3	Tr	1	2500	0	•
Thorney Island	15·3	+10	WSW	3	b	43	75	36	7	–	4	–	0	Tr	–	1	*
Lympne	14·7	+14	WSW	2	b	39	75	34	8	1	–	–	Tr	Tr	3500	1	§3
Manston	14·0	+14	WSW	2	z_o	41	75	35	6	8	–	–	2-3	2-3	2500	1	*
Shoeburyness	13·8	+8	W	3	z_o	42	75	34	5	–	4	–	0	2-3	–	1	•
Felixstowe	12·8	+18	WSW	5	b-bc	42	75	33	8	5	7	–	2-3	2-3	4000	1	4
Gorleston	10·2	+6	WSW	2	c	42	75	33	7	5	–	–	9	9	1500	1	2
Mildenhall	12·0	+14	WSW	3	c	41	75	35	7	8	–	–	9	9	2500	1	•
Cranwell	10·8	+10	W'N	3	z_o	41	85	35	6	4	3	3	1	7-8	3000	1	•
Birmingham	13·0	+18	SW	3	z_o	40	75	33	6	4	–	–	Tr	Tr	4000	1	•
Upper Heyford	13·0	+8	W	3	b	39	85	34	8	3	–	3	Tr	Tr	4000	0	•
Ross-on-Wye	14·1	+10	WSW	3	b-bc/r	42	75	33	8	8	–	–	2-3	2-3	3000	1	•
Hartland Point	15·4	+6	WNW	4	bc	45	75	35	8	3	4	–	4-6	4-6	1500	1	4
Bristol	15·6	+12	W	3	b/pr	41	85	37	6	3	6	3	Tr	Tr	2500	2	•
Portland Bill	16·5	+6	SE'S	3	c-bc	46	85	42	8	2	4	–	4-6	7-8	4000	1	5
Plymouth	17·6	+4	WNW	2	z_o	43	85	39	6	3	6	3	2-3	4-6	2000	1	2
The Lizard	17·9	0	WNW	4	c-bc	45	75	38	8	8	–	–	7-8	7-8	1500	1	4
Scilly (St. Mary's)	18·6	+8	WNW	3	c-bc	43	75	35	8	8	6	–	4-6	7-8	1200	1	4
Guernsey																	
Pembroke	15·9	+12	W	4	c-bcq	45	85	39	8	2	4	–	4-6	7-8	2500	1	4
Holyhead (Valley)	11·8	+10	W	6	c-bc	44	75	35	8	8	–	–	4-6	7-8	1500	1	4
Chester (Sealand)	11·6	+14	W'S	1	bc	43	75	36	8	8	6	–	4-6	4-6	2000	1	•
Manchester	11·3	+10	WSW	4	z_o	40	85	36	6	2	6	–	2-3	2-3	2500	1	•
Spurn Head	09·6	+8	W'N	5	c	41	85	37	6	7	3	–	4-6	9+	1500	1	4
Catterick	09·1	+8	WSW	2	c	41	75	33	7	5	3	–	4-6	4-6	3000	1	•
Tynemouth	07·9	+12	W	3	bc	41	85	36	6	2	3	–	2-3	4-6	2500	1	2
St. Abbs Head	05·7	+4	WSW	4	bc	40	75	33	7	5	6	–	2-3	4-6	2500	0	3
Leuchars	06·1	+6	W	1	z	39	92	37	6	4	4	–	2-3	7-8	4500	1	•
Renfrew (Abbots I.)	06·7	+10	WSW	3	c-bc/pr	40	85	36	8	3	–	3	4-6	7-8	1200	1	•
Eskdalemuir	07·6	+12	S'E	3	c	37	85	33	7	5	1	–	7-8	9	1500	1	•
Point of Ayre	09·1	+4	WNW	5	c	43	85	38	8	9	–	–	9	9	2000	0	4
Tiree	06·3	+18	W'N	5	c-bcjp	44	65	34	8	8	6	3	4-6	7-8	2000	1	4
Stornoway	03·8	+18	–	0	c-bc	39	97	39	8	3	6	–	4-6	7-8	2200	1	!
Dalwhinnie	05·0	+10	WSW	2	c-bc	35	85	32	8	5	–	–	7-8	7-8	2500	1	•
Aberdeen	04·3	+6	WSW	2	m	40	65	31	4	5	9	2	Tr	2-3	4000	1	2
Wick	03·4	+12	WSW	1	c-bc	37	92	34	8	8	4	–	7-8	7-8	3000	1	•
Sumburgh	01·6	+18	NW'N	2	c-bc	41	97	40	8	8	6	–	4-6	7-8	2000	1	4
Blacksod Point	13·5	+12	W	5	c-bc	44	65	34	8	9	–	–	7-8	7-8	1500	2	4
Malin Head	08·1	+12	WNW	3	c-bc/pr	42	85	38	8	9	2	–	4-6	7-8	1500	2	3
Aldergrove	10·3	+14	W	3	c	40	85	36	8	8	–	–	9	9	1500	1	•
Birr Castle	14·4	+12	WSW	2	bc	40	75	33	8	5	–	–	4-6	4-6	2500	1	•
Valentia Obsy.	18·8	+20	WNW	4	bc/phr	45	65	34	9	3	–	–	4-6	4-6	2500	1	3
Roches Point	17·3	+12	NW	4	bc/pr	42	92	40	8	3	–	3	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 3rd (39)	Weather 13h.—18h. 3rd (40)	Weather 18h. 3rd to 1h. 4th (41)	Weather 1h.—7h. 4th (42)
London (Kew)	bcmy	cbcybm	bmx	bmx
Croydon	bmc	bczbczbzb	bm	bmw
S. Farnborough	bbc	bcybbcb	bbcbmb	bxmb
Boscombe Down	bcbbc	bcprbcb	bbm	bmx
Thorney Island	bmbbc	bcb	bbm	bmbx
Lympne	bc	bbcb	b	bx
Manston	bmz	b,bcz	bm	bmx
Shoeburyness	cmbmbc	bcmcbm		bmx
Felixstowe	bcmcmcbc	bccbc	bcbm	cmbcm
Gorleston	bccprr	cprc	cbcprb	bccx
Mildenhall	bcm,c	bcc	cbbcm	bcmx
Cranwell	bmxcprcm	cmbcm	bmcmbm	bbcbm
Birmingham	bcc	cb	bcpr	bc
Upper Heyford	bc	bc	bbcm	bcmbx
Ross-on-Wye	bbc	ccbcr	rcb	rcb
Hartland Point	cpcpr	bc	bc	bmxbmx
Bristol	bbc,cpr	bcpr,ph	bm	bcbc
Portland Bill	cc	ccprc	cbc	bcbc
Plymouth	cjpmbc	cprpcm	bcmpr	bbcprbc
The Lizard	bcprc	bcprc	cprbc	cprbc
Scilly (St. Mary's)	bcprc	cpqbc	cbc	bcprbc
Pembroke	bcq	bcq	bcq	bcq
Holyhead (Valley)	bc	bbcc	b	bbcb
Chester (Sealand)	cmbc	cbc	cprbc	bcprc
Manchester	rcm	cbcm	prbpr	prmpr
Spurn Head	crr	cpr	bcm	bc
Catterick	bcc	cprc	cbcbxcb	bc
Tynemouth	bcmbcc	cbc	bc	bcprbc
St. Abbs Head	bcm	cmbc	bbcirc	cb
Leuchars	cmc	cbcc	bcirmcmbc	bcb bcz
Renfrew (Abbots I.)	cprq	cprbc	cPRbc	bcbbcbpr
Eskdalemuir	cprc	cbcc	cprbc	bcprbc
Point of Ayre	irbcb	bbcc	b	bbcb
Tiree	bccpr	bcpre	PRH pr bc	bc pr pr bc
Stornoway	cprbc	bcc	cprb	bxcprb
Dalwhinnie	oidc	crs		cbcirc
Aberdeen	bzczc	cbcbcz	bcz bx	bmbx
Wick	cv	c	bpr bc	b
Sumburgh	cprbc	cprbc	bc	bcprbc
Blacksod Point	pr	pr	pr	bc
Malin Head	pr	pr	pr	pr
Aldergrove	bbccpr	cprbccprmd	cprpr	cprcbbc
Birr Castle	pr	pr	pr	b
Valentia Obsy.	pr	pr	pr	pr
Roches Point	bc	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th February, 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light to moderate west winds backing southwesterly; mainly fair with considerable bright periods but chance of a few slight showers, local fog around dawn; rather cold with slight frost at night.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light or moderate northwest or west winds backing southwest and freshening later; fair apart from some scattered showers at first, cloudy with some rain later; rather cold becoming milder.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light or moderate northwest or west winds backing southwesterly and freshening later; fair apart from some scattered showers at first, dull and rainy later; rather cold.
16 Orkneys and Shetlands	As 13A-15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 4-12

GENERAL INFERENCE

An anticyclone centred to the southwest of the British Isles and an associated ridge extending west of Ireland are both moving slowly east and will be followed by a trough of low pressure; weather will be fair at first apart from some scattered showers, but rain will later spread across northern and western districts. It will be cold at first but will become milder in the west.

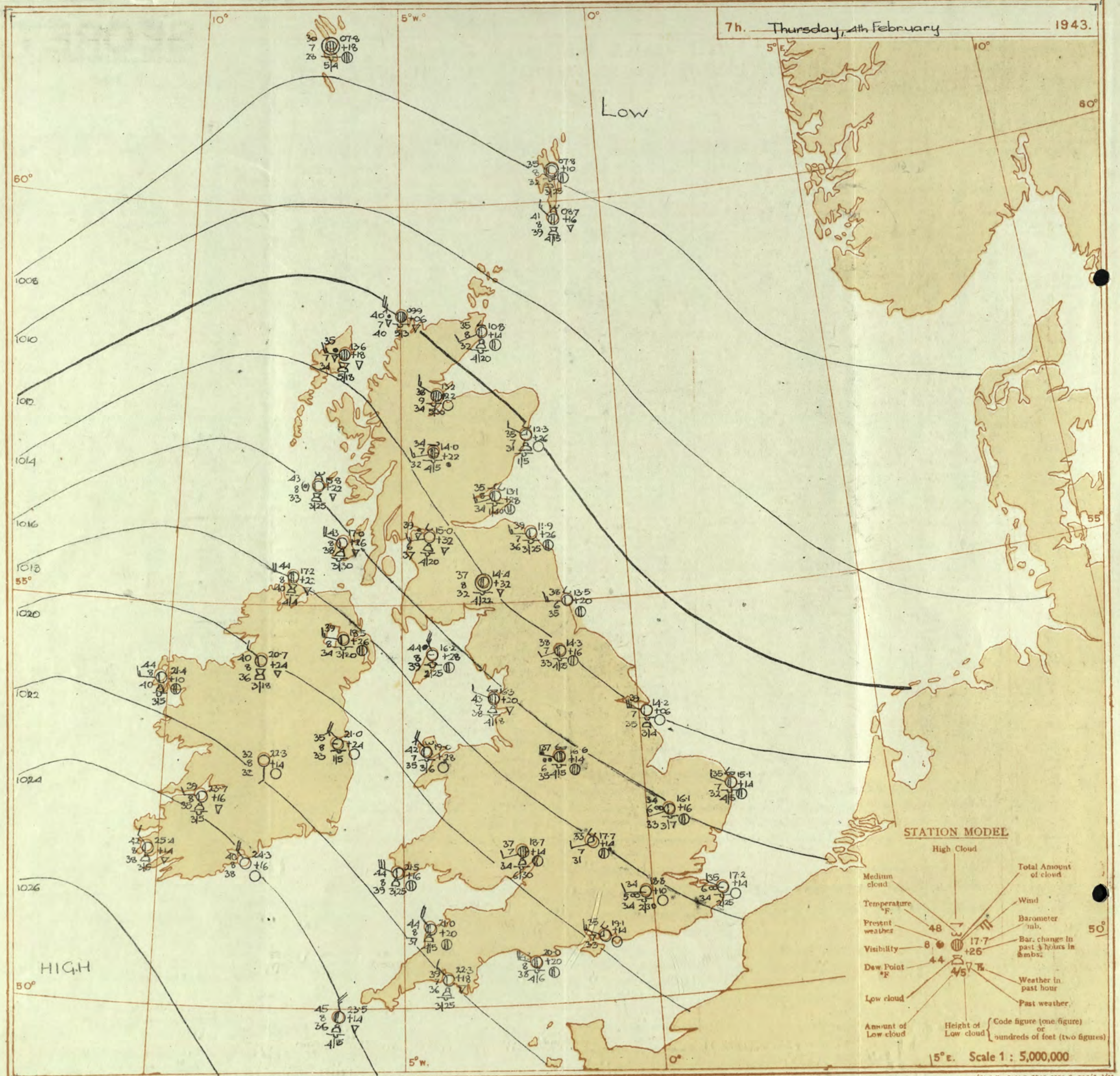
FURTHER OUTLOOK

Unsettled southwesterly type with rain at times in most parts of British Isles.

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Thursday, 4th February 1943.



H.M.S.O. Press, N.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as " warm " or " cold " occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the " warm " or " cold " symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS.— ○ Clear sky. ○ Sky less than 3/10 clouded. ◐ Sky 4/10 to 6/10 clouded. ◐ Sky 7/10 to 9/10 clouded. ◍ Overcast sky. ● Rain falling. ✱ Snow. Sleet. △ Hail. Fog. ≡ Mist. = Thunder. (T) Thunderstorm. T Slight haze. ∞

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

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Thursday, 4th February 1943

No 29659

OBSERVATIONS at 1 hr. G.M.T. 4th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon	290	17.0	+10	W'S	3	Zo	38	92	36	6	-	-	-	0	0	-
	S. Farnborough	226	16.7	+6	W'S	3	b	35	97	34		-	-	-	0	0	-
	Boscombe Down	417	14.3	+6	W'S	2	b	35	92	34	7	-	-	-	0	0	-
	Thorney Island	10	17.1	+8	W	2	Zo	38	85	35	6	-	-	-	0	0	-
	Lympne	283	16.2	+6	WSW	2	b	34	92	32	7	-	-	-	0	0	-
	Manston	154	15.6	+10	W'S	3	Zo	35	97	35	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14.5	+8	WSW	5	Zo	37	85	34	6	-	-	-	0	0	-
	Gorleston	5	13.5	+10	W	2	b	35	97	34	7	-	-	-	0	0	-
	Mildenhall	15	14.3	+10	SW'W	3	Zo	35	92	33	6	5	-	-	2-3	2-3	6000
	Cranwell	203	13.2	+8	W'N	4	Zo	35	92	33	6	5	-	-	Tr	Tr	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.7	+10	SW'S	2	Zo	34	97	32	6	0	3	-	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.3	+12	WNW	3	b-bc	44	75	36	8	1	-	-	2-3	2-3	2500
	Bristol	209	17.9	+10	W	2	Zo	38	92	35	5	-	-	-	0	0	-
	Portland Bill	32	17.2	+2	W	4	bc	46	85	42	8	5	-	-	4-6	4-6	4000
	Plymouth	82	19.8	+10	W	2	b	38	92	37	7	8	0	1	Tr	1	2500
	The Lizard	240	20.4	+12	WNW	3	bc/pr	43	85	38	8	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	21.3	+14	NW	4	jp	44	75	36	8	8	-	-	2-3	2-3	1800
	Guernsey	175															
6	Pembroke	142	18.1	+4	WNW	5	c-bcq	45	85	39	8	2	4	-	4-6	7-8	2500
7	Holyhead (Valley)	32	15.2	+16	WNW	5	b	42	85	37	8	5	-	-	Tr	Tr	4000
	Chester (Sealand)	16	13.9	+10	W	3	bc	42	65	30	8	5	-	-	4-6	4-6	4000
8	Manchester	235	13.4	+10	WSW	2	pr	38	97	37	6	2	-	-	7-8	7-8	1300
10	Spurn Head	29	11.6	+4	WSW	4	Zo	39	85	34	6	7	-	-	2-3	2-3	1500
	Catterick	175	11.9	+12	SSW	1	b-bc	37	85	33	7	5	-	-	2-3	2-3	3500
	Tynemouth	108	10.3	+10	W	4	Zo	39	85	35	6	2	4	-	2-3	2-3	2500
11	St. Abbs Head	280	07.5	+12	W	4	c-bc	40	92	38	7	5	-	-	7-8	7-8	2500
	Leuchars	36	08.6	+16	SSW	3	bc	37	85	34	7	5	4	-	1	4-6	4000
12	Renfrew (Abbots I.)	19	09.9	+14	WSW	1	bc	38	97	36	7	3	-	-	4-6	4-6	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12.3	+10	WNW	5	b	42	85	37	8	-	-	-	0	0	-
13A	Tiree	44	11.8	+22	NW	4	b-bc	43	85	38	8	8	6	3	1	2-3	2500
13B	Stornoway	15	10.0	+26	WNW	3	b	34	97	34	8	4	-	-	Tr	Tr	3200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	08.1	+18	WNW	1	b	35	85	30	9	0	4	-	0	Tr	-
	Wick	114	07.7	+20	SW'W	1	b-bc	34	92	33	8	3	-	-	2-3	2-3	1000
16	Sumburgh	19	06.0	+18	NNW	3	b	38	97	37	8	2	6	-	1	1	2000
17	Blacksod Point	18	19.2	+26	NW	5	bc	42	85	38	8	9	-	-	4-6	4-6	1500
18	Malin Head	84	12.3	+24	NW'W	6	IR	43	85	39	8	9	2	-	7-8	10	1500
	Aldergrove	268	13.8	+10	W'S	4	pr	37	92	35	7	8	2	-	9	10	2700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.7	+18	NW'N	4	b	44	75	37	8	2	-	-	1	1	2500
	Roches Point	22	21.2	+18	NW'N	4	b	40	92	38	8	3	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 4th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 3rd Hrs. (38)
London (Kew)	18.3	+12	SSW	2	Zo	35	92	32	6	5	-	-	1	1	2500	1	*	47	35	20	-	Tr	7.0
Croydon	18.8	+10	W	2	Zo	34	97	34	5	5	-	-	1	1	3000	1	*	47	34	30	-	-	7.3
S. Farnborough	18.9	+18	W'N	3	b	32	97	32	7	7	7	-	0	0	-	1	*	47	32	23	-	-	8.0
Boscombe Down	19.7	+14	-	0	Zo	33	92	31	6	-	-	-	0	0	-	0	*	47	32	27	0.2	Tr	7.7
Thorney Island	19.1	+14	W'N	3	b	35	92	33	7	0	4	-	0	Tr	-	1	*	48	34	29	-	Tr	*
Lympne	18.0	+14	W'N	2	Zo	31	97	30	6	0	4	-	0	Tr	-	3	§ 6	41	29	25	-	-	7.7
Manston	17.2	+14	W'N	2	Zo	35	97	34	6	5	-	-	1	1	2500	1	*	46	35	32	-	-	5.3
Shoeburyness	17.7	+12	W	3	Zo	35	92	33	5	0	3	8	0	4-6	-	1	*	49	34	28	-	-	5.9
Felixstowe	16.2	+14	W'S	4	Zo	37	85	34	6	5	3	-	4-6	7-8	4000	1	4	48	35	32	-	-	5.7
Gorleston	15.1	+14	WNW	2	bc	35	92	32	7	5	7	-	4-6	4-6	2500	1	2	43	34	31	1	0.6	2.5
Mildenhall	16.1	+16	WSW	2	Zo	34	97	33	6	5	-	-	2-3	2-3	6000	1	*	46	34	28	-	Tr	2.5
Cranwell	15.6	+16	W	2	Zo	32	97	32	6	0	3	-	0	Tr	-	3	*	44	32	29	1	-	0.4
Birmingham	17.9	+16	WSW	3	pr	37	85	33	7	8	-	-	7-8	7-8	1500	1	*	44	36	32	-	Tr	5.3
Upper Heyford	17.7	+14	W'S	1	b	33	97	31	7	0	4	-	0	Tr	-	0	*	45	32	25	-	-	*
Ross-on-Wye	18.7	+14	WSW	2	c	37	85	34	7	8	-	-	9	9	3000	1	*	48	37	31	Tr	Tr	7.0
Hartland Point	21.0	+20	NW	4	bc	44	75	37	8	2	-	-	4-6	4-6	2500	1	4	47	43	41	0.5	-	4.3
Bristol	20.5	+18	WNW	2	b	36	92	34	6	5	-	-	Tr	Tr	4000	3	*	47	35	31	1	-	5.6
Portland Bill	20.0	+20	W	4	bc	43	85	38	8	5	-	-	4-6	4-6	4000	1	4	49	40	*	0.1	-	*
Plymouth	22.3	+18	NW'W	2	b-bc	39	92	36	7	8	-	-	2-3	2-3	2500	1	2	48	38	30	3	1	3.1
The Lizard	22.4	+14	WNW	4	bc/pr	42	92	40	8	8	-	-	4-6	4-6	1500	1	4	48	40	*	Tr	0.5	4.1
Scilly (St. Mary's)	23.5	+14	N'W	5	bc	45	75	36	8	8	-	-	4-6	4-6	1500	1	5	51	43	*	1	Tr	4.8
Guernsey																							
Pembroke	21.5	+16	WNW	6	b-bcq	44	85	39	8	2	-	-	2-3	2-3	2500	1	4	47	42	*	-	-	6.6
Holyhead (Valley)	19.0	+28	NW	4	b-bc	42	75	35	7	5	3	-	2-3	2-3	4000	1	4	47	40	37	-	-	*
Chester (Sealand)	16.3	+14	W	4	c-bc/pr	43	85	39	7	8	-	-	7-8	7-8	1500	1	*	46	40	34	0.2	5	6.3
Manchester	15.9	+14	W	3	c/pr	39	92	38	6	2	6	-	7-8	10	2400	1	*	43	37	33	3	5	*
Spurn Head	14.2	+6	W	5	b-bc	39	85	35	7	7	-	-	2-3	2-3	1500	1	3	42	37	*	2	-	0.7
Catterick	14.3	+16	WSW	1	bc	38	85	33	7	5	-	-	4-6	4-6	2500	1	*	43	35	27	Tr	-	1.8
Tynemouth	13.5	+20	W	3	b-bc	38	92	35	6	0	4	-	0	2-3	-	1		44	37	34	-	0.1	*
St. Abbs Head	11.9	+26	W	3	b-bc	39	92	36	7	5	-	-	2-3	2-3	2500	0	3	42	37	*	-	Tr	*
Leuchars	13.1	+28	WSW	3	bc	35	97	34	8	5	4	8	Tr	4-6	4000	3	*	45	34	28	Tr	0.2	1.7
Renfrew (Abbots I.)	15.0	+32	W'S	3	pr	39	92	37	6	8	4	-	4-6	7-8	2000	2	*	46	36	31	0.6	7	2.0
Eskdalemuir	14.4	+32	-	0	bc	37	85	32	8	5	-	-	4-6	4-6	2200	1	*	48	34	31	1	2	1.9
Point of Ayre	16.2	+28	NNW	5	b	44	85	39	8	4	-	-	1	1	2500	0	4	46	41	*	Tr	-	4.3
Tiree	15.8	+22	NW'W	4	jp	43	65	33	8	3	6	-	2-3	2-3	2500	1	2	45	41	35	0.2	2	3.2
Stornoway	13.6	+18	W	3	pr	35	97	34	7	8	-	-	7-8	7-8	1800	1	2	48	34	26	1	1	
Dalwhinnie	14.0	+22	WSW	3	c	34	92	32	7	5	0	-	4-6	9	2500	1	*	41	31	26	1	1	0.8
Aberdeen †	12.3	+26	WNW	2	Zo	35	85	31	7	8	4	-	Tr	Tr	2500	3	2	46	33	25	-	-	2.0
Wick	10.8	+14	WSW	2	bc	35	92	32	8	8	1	-	4-6	4-6	2000	1	*	46	32	30	-	1	*
Sumburgh	08.7	+16	NW	3	bc/pr	41	92	39	8	3	6	-	4-6	4-6	1500	1	3	46	37	30	1	0.3	2.3
Blacksod Point	21.4	+10	W	3	b-bc	44	85	40	8	8	-	-	2-3	2-3	2500	2	3	47	40	*	3	2	*
Malin Head	17.2	+22	W'N	3	bc/pr	44	85	40	8	9	-	-	4-6	4-6	1500	2	4	45	40		2	2	2.2
Aldergrove	18.5	+26	W	3	b-bc	39	85	34	8	5	-	-	2-3	2-3	2000	1	*	43	35	31	1	1	6.4
Birr Castle	22.3	+14	S	1	b	32	97	32	8	-	-	-	0	0	-	1	*	47	32	27	01	0	5.3
Valentia Obsy.	25.4	+14	NW	1	b-bc	42	85	38	8	2	-	-	2-3	2-3	2500	1	3	47	41	33	1	1	3.8
Roches Point	24.3	+16	NW'W	4	b	40	92	38	8	-	-	-	0	0	-	1	*	46	*	*	0.3	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 3rd February $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 4th February $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	87	02864	21215	87	02764	24315	8-	01753	26213	3-	81657	24387
115	07	81844	26587							52	81735	60588
203	84	02844	20425	84	02944	16416				50	01953	24383
206	26	01961	24314	57	01851	28312	50	10861	24301	5-	02965	26305
210	27	02962	22326	06	01890	21113	40	01862	22313	33	01961	22313
220				90	27747	25587				80	01754	25484
230	9-	27955	20386	97	25756		30	01953	20183	3-	25855	28385
245	84	42863	22117	54	01861	00014	50	01742	23112	54	01863	23213
260	74	05663	20345	34	05662	20224	20	05653	20283	50	01753	20113
278	87	02854	24325	87	02843	25515	50	01852	25312	86	01854	61514
279	27	02744	22365	46	02765	22426	50	01853	22483	50	01864	23324
285				27	02745	28516				2-	02746	28406
288	17	01862	20314	44	01753	20384	04	01790	20211	5-	05667	23317
575	86	85258	25188	30	25854	26184	3-	25753	32483	30	01863	28283
301	24	01853	24484	20	05653	25414	40	01754	29284	87	02744	26185
321												
2.3	54	05663	22214	8-	61756	22266	40	05653	24213	84	01754	24314
292	51	62745	24367	4-	01864	24264	00	00790	24220	53	01663	24113
310				--	01626	24416				--	77109	20349
614	86	05654	22424	26	08653	22224	20	05655	24315	8-	00546	22226

III	13h. G.M.T. 3rd February $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 4th February $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	86	02863	23413	83	27854	23486	50	01763	24413	53	02964	63415
334	--	02644	28315	--	27643	28375				--	53547	24288
340	86	01864	26341				00	00690	24100	5-	61558	28208
136	5-	62626	24388	86	81655	24287	00	05690	21380	50	05673	21313
336	23	01753	28414	20	25755	26485						
350	2-	02855	25315				04	01790	22211	07	05690	24103
368	20	01853	26503	80	01853	25313	50	00751	24201	50	01663	25203
379	27	01854	24315	4-	01852	23313	00	00790	22300	00	00790	24300
390	20	05653	24323	40	05553	20313	50	08461	24201	53	08463	20206
382	8-	02855	25515	44	01761	25321	00	05690	24320	00	00690	26300
438	24	01763	26613	50	01758	24613	00	00790	24300	50	01763	28413
430	1-	02705	24415	04	05590	24212	00	05690	24100	00	04690	24100
409	36	81855	25515	36	25854	25585	20	01854	29414	36	81855	63415

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	wbcm.y	cbeybm.	bm.x
Croydon	bcm.c	bcz.bcz.bzl	bm.x
Greenwich	bc	beyb	bmx
Camden Square	bc	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	bcm

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.3 Time 18-3h
Min. <0.1 Time 1-3h 4th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs. Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	47	35	20	-	Tr	7.0	*	*
Croydon	47	34	30	-	-	7.3	*	*
Greenwich	46	34	27	-	-	5.8	59	87
Westminster	48	33	28	-	*		63	97
Regents Park	46	34	21	-	-		58	86
Camden Square	47	34	28	-	-	*	*	90
Kensington	49	35	25	Tr	Tr		[illegible]	[illegible]
Hampstead	47	32	28	-	-		*	93

SECRET

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

Friday 5th February, 1943. No. 29660

OBSERVATIONS at 13h. G.M.T. 4th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·5	+14	W'N	2	z_0	43	75	36	6	5	3	-	9	9+	2500
	Croydon ...	21·7	+14	W'N	3	z_0	41	82	38	6	5	-	-	7-8	7-8	2500
	S. Farnborough	22·1	+12	WNW	3	c-bc	44	75	37	8	7	7	-	4-6	7-8	3700
	Boscombe Down	22·6	+14	NW'W	3	bc	45	73	38	7	1	-	-	4-6	4-6	3000
	Thorney Island	22·2	+12	WNW	3	c-bc	47	75	40	7	1	3	-	7-8	7-8	4000
	Lympne ...	20·8	+6	WNW	3	z_0	44	76	37	6	7	-	-	4-6	4-6	3500
	Manston ...	20·4	+10	S	3	z_0	44	85	39	5	5	-	-	9	9	5500
2	Shoeburyness ...	20·3	+12	WNW	3	z_0	45	75	38	6	5	3	-	7-8	9	2500
	Felixstowe ...	19·6	+18	W	4	bc	44	75	37	7	-	3	-	0	4-6	—
	Gorleston ...	18·1	+14	WNW	3	z_0	43	85	39	6	5	-	-	9+	9+	1000
	Mildenhall ...	19·5	+26	W	3	z_0	44	75	37	6	5	-	-	10	10	4000
	Cranwell ...	19·1	+14	NW	3	z_0	45	68	35	6	5	-	-	9	9	4500
3	Birmingham ...	21·0	+24	WNW	4	c-bc	42	75	35	8	8	-	-	7-8	7-8	1500
	Upper Heyford	21·4	+20	NW	4	c	43	85	38	7	8	-	2	7-8	9	2000
4	Ross-on-Wye	22·3	+20	WNW	3	pr	46	68	34	8	8	-	-	9+	9+	1100
5	Hartland Point	25·5	+16	NW	4	bc	45	75	36	8	2	4	4	2-3	4-6	2000
	Bristol ...	23·6	+18	NNW	4	b-bc	46	75	39	7	1	-	1	2-3	2-3	4000
	Portland Bill ...	23·6	+10	NW	5	c-bc	47	88	43	8	1	-	-	7-8	7-8	4000
	Plymouth ...	26·4	+18	NW	3	c-bc	47	65	37	8	2	-	2	4-6	7-8	3000
	The Lizard ...	27·0	+24	SW	4	bc	48	65	36	8	2	4	-	4-6	4-6	2000
	Scilly (St. Mary's)	28·2	+20	NW	3	c-bc	50	68	38	8	8	4	-	7-8	7-8	1500
	Guernsey ...															
6	Pembroke ...	25·9	+14	NW'W	4	bc	47	85	43	8	1	7	-	2-3	4-6	3000
7	Holyhead (Valley)	22·9	+16	WNW	3	c-bc	45	75	38	8	1	7	8	Tr	7-8	2000
	Chester (Sealand)	21·9	+26	W'N	3	bc	47	75	39	8	2	-	4	4-6	4-6	3000
8	Manchester ...	21·1	+22	WNW	4	z_0	44	85	39	6	2	-	-	9	9	2000
10	Spurn Head ...	18·0	+20	NW	4	z_0	43	78	36	6	1	3	1	2-3	4-6	1500
	Catterick ...	18·9	+18	NNW	3	b-bc	46	65	36	8	2	-	1	2-3	2-3	2500
	Tynemouth ...	18·3	+20	SW	3	b-bc	45	65	33	7	2	4	-	2-3	2-3	2500
11	St. Abbs Head	16·4	+16	W'N	3	bc	43	85	38	7	4	7	-	2-3	4-6	3500
	Leuchars ...	18·0	+22	WSW	2	bc	45	75	37	8	-	7	2	0	4-6	—
12	Renfrew (Abbots I.)	18·9	+14	W'S	3	c	45	75	37	8	8	7	-	4-6	9+	1800
	Eskdalemuir ...	19·0	+14	WNW	4	bc	43	65	33	8	8	1	2	4-6	4-6	2800
	Point of Ayre ...	21·1	+6	NW	4	c-bc	45	86	39	8	2	6	8	1	7-8	1800
13A	Tiree	17·9	+2	W'S	3	c	46	75	39	9	2	3	6	1	9	2500
13B	Stornoway ...	14·4	+2	SW	5	c-bc	46	85	41	8	3	6	3	4-6	7-8	2000
15	Dalwhinnie ...	16·0	+16	WSW	3	c	39	75	32	8	4	9	-	4-6	9+	2500
	Aberdeen ...	15·9	+16	WNW	4	b-bc	44	65	33	8	-	4	6	0	2-3	—
	Wick ...	13·2	+6	WSW	3	bc	41	75	32	9	3	4	2	2-3	4-6	2000
16	Sumburgh ...	09·1	0	WSW	4	c/ph	43	85	39	9	3	6	3	4-6	9	2000
17	Blacksod Point	22·7	-2	WSW	3	bc	49	75	41	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	19·5	+6	WSW	3	c-bc	46	85	42	8	9	-	6	4-6	7-8	2500
	Aldergrove ...	21·8	+6	SW'W	4	c	43	75	36	8	8	7	9	Tr	9+	2500
19	Birr Castle ...	24·9	+10	SSW	2	c	45	75	37	8	-	-	5	0	9	—
20	Valentia Obsy.	26·5	-4	W'S	3	pr	48	75	40	9	2	-	2	7-8	9	2500
	Roches Point	26·9	+6	NW'W	3	bc	47	85	39	8	8	-	5	1	4-6	1500

OBSERVATIONS at 18h. G.M.T. 4th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	24·5	+22	W'N	2	z_0	43	78	36	5	5	3	-	4-6	4-6	4000	1	*
	Croydon ...	24·7	+26	WNW	3	m	44	85	39	4	5	-	-	9+	9+	2500	1	*
	S. Farnborough	25·2	+22	W'N	3	c-bc	44	88	38	8	5	3	-	4-6	7-8	2500	1	*
	Boscombe Down	26·1	+22	W'N	3	z_0	40	85	35	6	-	4	2	0	1	—	0	*
	Thorney Island	25·3	+18	W'S	3	z_0	43	85	37	6	5	-	-	4-6	7-8	4000	1	*
	Lympne ...	23·9	+20	W	2	z_0	39	85	36	5	5	-	-	7-8	7-8	5000	1	§2
	Manston ...	23·1	+24	NW'W	3	z_0	41	85	37	5	2	6	-	4-6	4-6	2500	1	*
2	Shoeburyness ...	23·2	+24	WNW	3	z_0	43	85	38	6	5	-	-	9	9	2500	1	*
	Felixstowe ...	22·2	+24	W	3	z_0	42	85	38	6	5	-	-	2-3	2-3	2500	0	3
	Gorleston ...	21·5	+26	NW'W	2	z_0	42	75	36	6	5	-	-	4-6	4-6	1500	1	2
	Mildenhall ...	22·6	+22	W	3	z_0	38	92	35	5	5	-	-	1	1	4000	0	*
	Cranwell ...	22·9	+24	W	3	z_0	41	85	36	5	-	7	-	0	2-3	—	1	*
3	Birmingham ...	24·1	+16	WNW	3	m	42	85	38	4	5	-	-	1	1	2500	1	*
	Upper Heyford	24·4	+22	W'N	1	bc	38	92	35	7	4	3	8	1	4-6	3000	0	*
4	Ross-on-Wye	25·2	+20	W	2	b	42	75	34	8	1	-	1	Tr	1	2000	1	*
5	Hartland Point	27·2	+12	NW	3	bc	46	75	38	8	2	4	1	2-3	4-6	2000	1	4
	Bristol ...	26·9	+20	W	1	b	40	75	33	7	1	-	1	Tr	1	4000	1	*
	Portland Bill ...	26·5	+16	NW	4	b-bc	46	85	42	8	5	-	-	2-3	2-3	4000	1	4
	Plymouth ...	28·4	+14	WNW	2	z_0	44	85	39	5	2	3	5	Tr	4-6	2500	1	1
	The Lizard ...	29·0	+16	NW	3	bc	45	75	38	8	5	-	-	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	29·8	+16	NW'W	2	bc/pr	46	75	39	8	8	6	3	1	4-6	1500	1	2
	Guernsey ...																	
6	Pembroke ...	27·2	+2	W	3	bc	46	85	40	8	2	4	-	2-3	4-6	4000	1	2
7	Holyhead (Valley)	23·9	+8	WNW	2	b-bc	44	75	37	8	2	4	5	Tr	2-3	2500	1	2
	Chester (Sealand)	24·0	+10	NW	3	b-bc	43	75	37	8	2	-	1	Tr	2-3	3000	1	*
8	Manchester ...	23·6	+16	W	4	z_0	41	92	38	5	2	6	3	1	2-3	2500	1	*
10	Spurn Head ...	21·7	+16	W'S	2	z_0	42	85	37	6	4	3	-	2-3	4-6	1500	1	3
	Catterick ...	22·0	+12	SW	1	b-bc	39	75	33	7	4	-	-	2-3	2-3	4000	1	*
	Tynemouth ...	20·3	+16	W	3	b-bc	43	75	36	6	2	-	-	2-3	2-3	2500	1	2
11	St. Abbs Head	18·2	+10	W	4	b	42	85	38	7	5	-	-	1	1	3500	0	3
	Leuchars ...	17·5	+2	—	0	z_0	39	85	34	6	-	4	-	0	Tr	—	1	*
12	Renfrew (Abbots I.)	19·2	+2	SSW	2	c-bc/pr	42	85	37	7	3	4	-	4-6	7-8	1400	1	*
	Eskdalemuir ...	20·3	+10	W	3	b	37	85	33	8	5	-	-	1	1	2500	1	*
	Point of Ayre ...	21·7	+2	W'S	3	bc	40	85	36	8	2	4	6	2-3	4-6	2000	0	3
13A	Tiree	15·3	-18	SW'W	3	ir_0	46	75	37	8	5	7	-	4-6	9+	2500	1	2
13B	Stornoway ...	11·8	-24	SSW	6	ir_0	44	82	42	8	5	2	-	2-3	10	1800	1	3
15	Dalwhinnie ...	17·5	0	WSW	3	c-bc	37	85	32	8	8	-	-	7-8	7-8	2500	1	*
	Aberdeen ...	16·8	+4	WSW	2	bc/f+	40	68	31	3	-	4	8	0	4-6	—	1	2
	Wick ...	13·2	0	WSW	3	c-bc	39	85	35	8	8	7	8	2-3	7-8	3000	1	*
16	Sumburgh ...	09·6	+6	W	6	bc	43	85	40	8	8	6	-	4-6	4-6	2000	1	4
17	Blacksod Point	19·2	-26	S'W	5	c	48	75	40	8	8	-	-	10	10	2500	1	4
18	Malin Head ...	17·4	-14	SSW	3	c	44	85	40	8	5	7	-	4-6	9	1500	2	3
	Aldergrove ...	21·5	0	SW'W	3	c	41	85	37	8	4	2	-	7-8	10	1500	1	*
19	Birr Castle ...	24·0	-4	SSW	2	c	43	85	39	8	5	2	-	2-3	10	2500	1	*
20	Valentia Obsy.	25·3	-10	SW'W	4	ir_0	47	85	43	8	5	2	-	7-8	10	2500	1	3
	Roches Point	26·2	-6	W'S	3	c	46	85	42	8	5	7	-	4-6	9	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 4th. (39)	13h.—18h. 4th. (40)	18h.—1h. 4th/5th (41)	1h.—7h. 5th (42)
1	London (Kew)	bfxcm$_0$	czbcm$_0$	bm$_0$x	bm$_0$xcm$_0$
	Croydon ...	bm$_0$cm$_0$	cm$_0$cm	bcm	cm$_0$
	S. Farnborough	b	cbc	bcm$_0$xbbcm$_0$	bccm$_0$c
	Boscombe Down	bbc	cjpbcbm$_0$	bbccm$_0$	bcm$_0$cm$_0$
	Thorney Island	bzbm$_0$bc	cpr$_0$bcm$_0$	bcbm$_0$	bm$_0$cm$_0$w
	Lympne ...	bm$_0$xm$_0$z$_0$	bcz$_0$cm$_0$	bcm$_0$	bcm$_0$wc
	Manston ...	cm$_0$bm$_0$	cbcm$_0$	bm	cm$_0$
2	Shoeburyness ...	cm$_0$bz$_0$cz$_0$	cz$_0$cm$_0$	cm$_0$	cm$_0$
	Felixstowe ...	bccbcm$_0$	cm$_0$bcm$_0$	bm$_0$bcm$_0$	bcm$_0$cm
	Gorleston ...	bccz$_0$	cz$_0$bcz	bcbz$_0$w	cbccz$_0$
	Mildenhall ...	bm$_0$xcz$_0$	cz$_0$pr$_0$bm$_0$	bcm$_0$	bccm$_0$
	Cranwell ...	bccm$_0$	cm$_0$	b,cm$_0$	cm$_0$
3	Birmingham ...	bcpr$_0$	bc	bc	bcc
	Upper Heyford	c	cbcc	bbcc	cm$_0$ccm$_0$
4	Ross-on-Wye	ccbc	cbc	bbcc	c
5	Hartland Point	bc	bc	bcc	cprc
	Bristol ...	bcm$_0$x	cbc	b,bcm$_0$,cm$_0$	cm$_0$
	Portland Bill ...	bcc	cbc	bcc	c
	Plymouth ...	bcpr$_0$bc	bcz$_0$	bcifcm$_0$	bcc
	The Lizard ...	bc	bc	bcc	cprc
	Scilly (St. Mary's)	bbc	cbc	bcc	cp$_0$q
	Guernsey ...				
6	Pembroke ...	bbc	bc	bccir	prcq
7	Holyhead (Valley)	bc	cbc	c	crrr$_0$r$_0$
	Chester (Sealand)	cpr$_0$pr	c,bc	b,c	cr$_0$r$_0$m$_0$
8	Manchester ...	pr$_0$bcm$_0$	cbcm$_0$	bccm$_0$	cm$_0$r$_0$r$_0$
10	Spurn Head ...	bcz$_0$	bcm$_0$	bm$_0$	c
	Catterick ...	bc	bccb	bm$_0$cm$_0$	c
	Tynemouth ...	bc	bc	bcc	c
11	St. Abbs Head	bbcm$_0$	bcbm$_0$	bbccm$_0$	
	Leuchars ...	bcbbc	bcbm$_0$	bbccm$_0$	id$_0$cr$_0$m$_0$
12	Renfrew (Abbots I.)	bcc	cpr$_0$bc	cm$_0$r$_0$r$_0$r	cm$_0$rr$_0$r$_0$
	Eskdalemuir ...	bcbbc	cbcb	bcc	orrm$_0$
	Point of Ayre ...	bbcc	cbcb	bcc	cr$_0$rr
13A	Tiree	bcc	bccir$_0$	rrrdm$_0$	
13B	Stornoway ...	cpr$_0$bc	bccpr$_0$	cir$_0$r$_0$rm$_0$	cir$_0$pr$_0$
15	Dalwhinnie ...	cpr$_0$	c		cpr$_0$
	Aberdeen ...	bz$_0$bc	bccybcf	bcfz$_0$b	bbcb
	Wick ...	bc	bcc	bcc	cpr$_0$c
16	Sumburgh ...	cjpcphc	cpr$_0$bc	cir$_0$m$_0$c	cr$_0$r$_0$cm$_0$
17	Blacksod Point	bc	pr	r	r
18	Malin Head ...	c	c	r	r
	Aldergrove ...	c	c	ccir$_0$c	cr$_0$r$_0$m
19	Birr Castle ...	c	c	r	r
20	Valentia Obsy.	pr	pr	r	r
	Roches Point	bc	bc	r	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 5th February 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales ↓	Fresh or strong southwest winds; dull with rain at times; rather cold in east at first, becoming generally mild.
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	Fresh or strong southwest winds veering west and moderating temporarily, but backing and freshening again later; dull and rainy at first followed by some bright intervals; further general rain again later; mild.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh west winds backing and increasing later; bright intervals and local showers at first, general rain spreading from southwest later; mild.
16 Orkneys and Shetlands 17 N. W. Ireland	As 13A-15.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-12

GENERAL INFERENCE

A depression centred north of Scotland is moving east-northeast, and secondaries will move quickly across the country. Weather will be mainly mild and generally unsettled with rain at times in all districts of the British Isles.

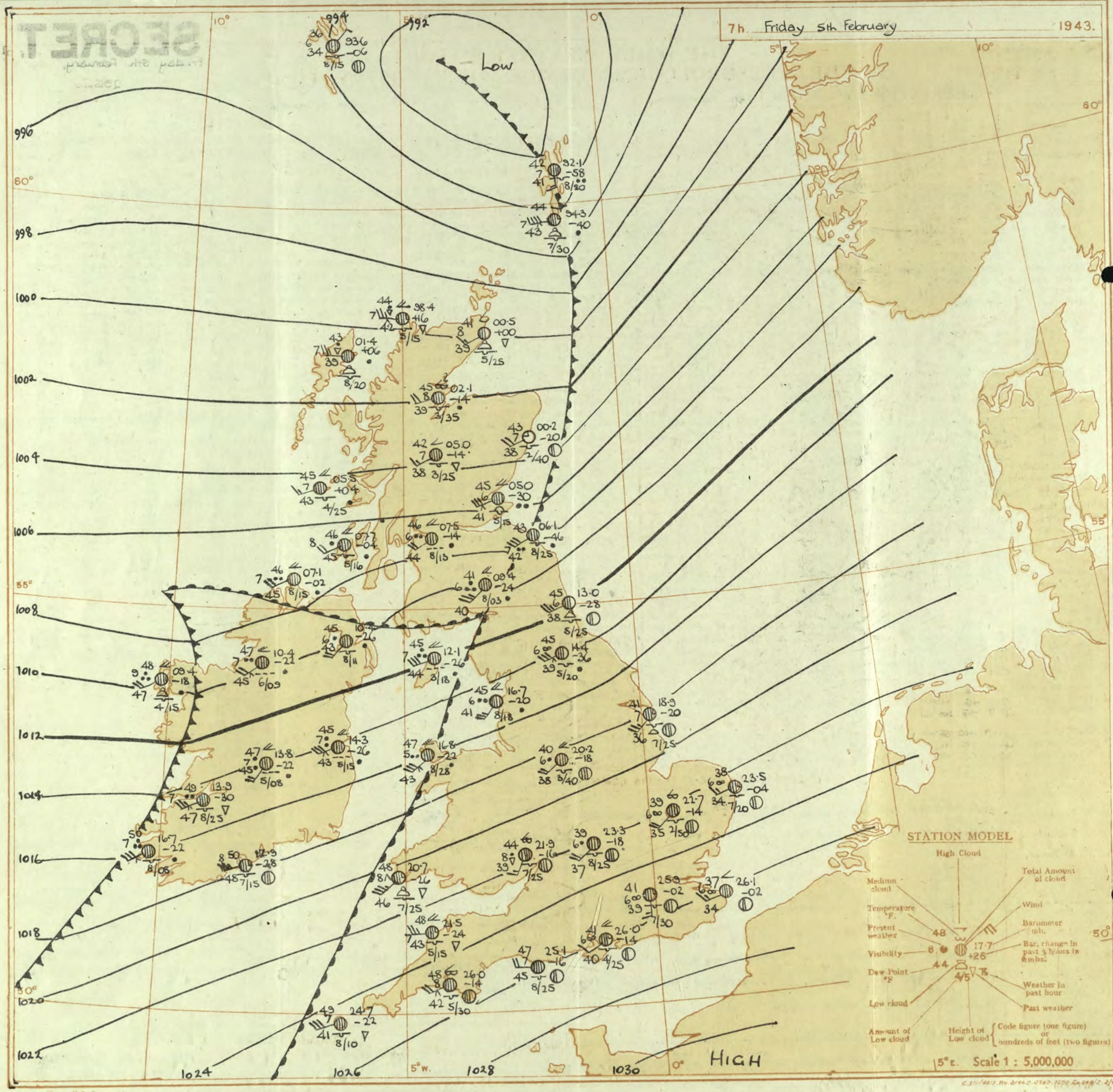
FURTHER OUTLOOK

Unsettled southwesterly type continuing with rain at times in all districts.

↓ Gale warning in operation in districts 6, 7 & 8 time of issue 0610, 5th February.

Forecasts issued at 10·30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

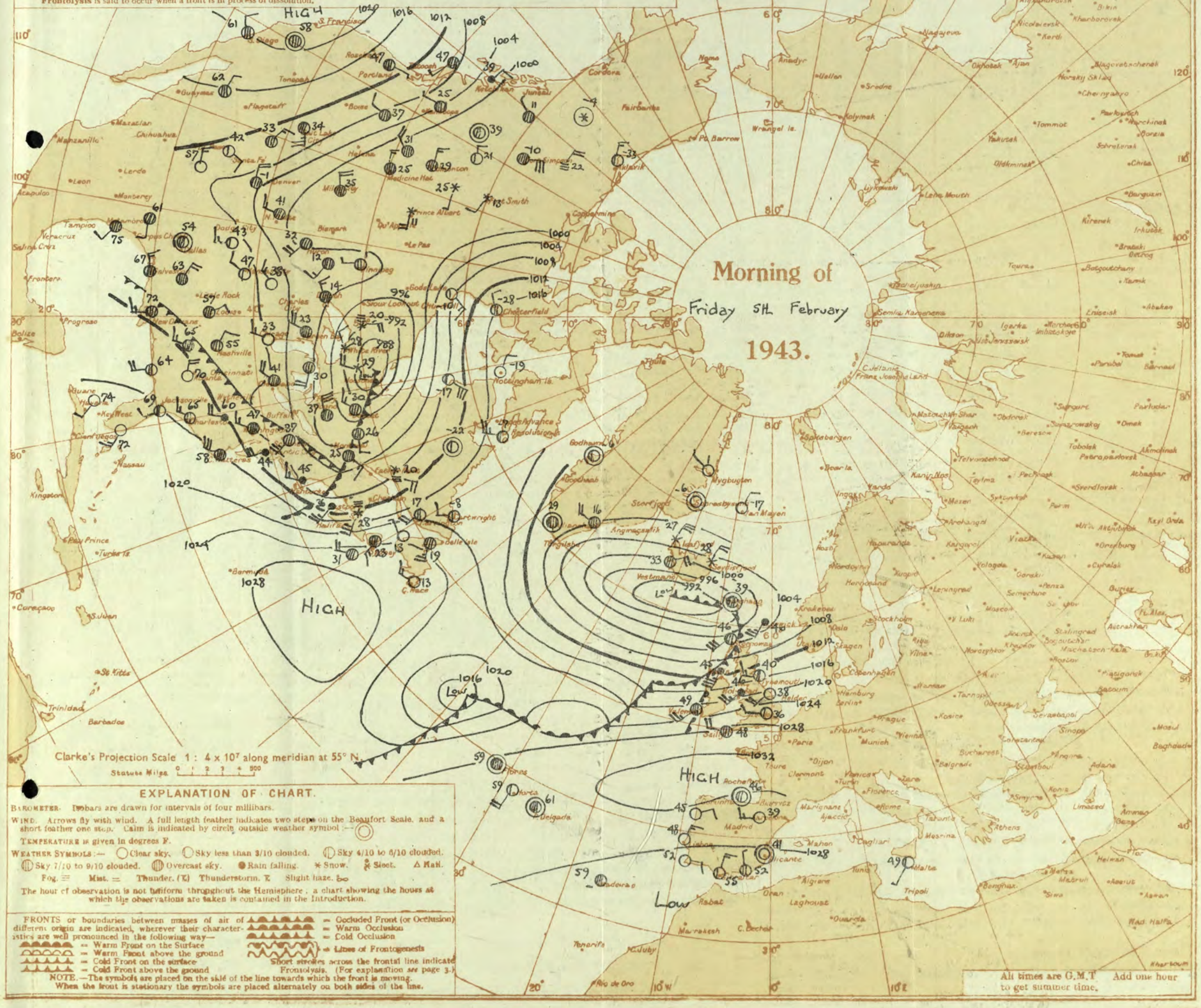
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- = Warm Front on the Surface
- = Warm Front above the ground
- = Cold Front on the surface
- = Cold Front above the ground
- = Occluded Front (or Occlusion)
- = Warm Occlusion
- = Cold Occlusion
- = Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Friday 5th February 1943

No. 29660

OBSERVATIONS at 1 hr. G.M.T. 5th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon ...	290	27·3	+4	W	2	z_0	36	92	34	5	5	–	–	2-3	2-3	2500
	S. Farnborough	226	27·2	0	WSW	2	z_0	33	92	32	6	5	7	–	2-3	4-6	3000
	Boscombe Down	417	27·7	-2	SSW	1	z_0	36	92	34	6	–	1	–	0	7-8	–
	Thorney Island	10	27·8	+6	–	0	z_0	37	92	35	6	–	–	1	0	1	–
	Lympne ...	283	27·2	+22	W	2	z_0	35	92	33	6	5	–	–	2-3	2-3	4500
	Manston ...	154	26·5	+10	WNW	1	bf+	37	97	36	3	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·6	-8	W'S	2	z_0	39	92	37	5	5	–	8	0	4-6	–
	Gorleston ...	5	24·5	+10	W'S	2	z_0	35	92	32	6	–	–	–	0	0	–
	Mildenhall ...	15	25·2	+4	SW'W	3	z_0	35	85	32	6	–	4	–	0	2-3	–
	Cranwell ...	203	23·4	-6	W	3	z_0	37	85	34	5	–	–	8	0	9	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·2	-2	SW	3	z_0	35	92	33	6	–	1	–	0	10	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·5	-8	W	4	c-bc	46	85	41	8	5	–	–	7-8	7-8	2500
	Bristol ...	209	27·2	-12	SW	2	c	41	85	37	6	5	2	–	4-6	10	2500
	Portland Bill ...	32	27·8	+2	W	4	c-bc	46	85	40	7	5	–	–	7-8	7-8	2500
	Plymouth ...	82	29·0	-2	W	1	z_0	43	92	41	5	5	7	6	2-3	7-8	2500
	The Lizard ...	240	29·0	-4	W	5	c	47	88	44	8	5	2	–	9	10	1000
	Scilly (St. Mary's)	163	28·9	-6	W'S	4	cjp	48	75	41	8	5	–	–	9	9	1200
	Guernsey ...	175															
6	Pembroke ...	142	25·5	-4	SW'W	5	ir	45	97	44	8	8	–	–	9+	9+	2500
7	Holyhead (Valley)	32	21·9	-14	SW'S	5	ir_0	46	75	40	7	5	2	–	4-6	10	4000
	Chester (Sealand)	16	22·6	-14	–	0	c	43	85	38	7	5	2	–	4-6	10	5700
8	Manchester ...	235	22·2	-18	S'E	4	z_0	38	92	36	6	5	2	–	4-6	10	3700
10	Spurn Head ...	29	22·6	-6	SW	4	z_0	38	85	35	6	–	–	–	0	0	–
	Catterick ...	175	19·9	-20	SSW	3	z_0	43	86	38	6	5	2	–	2-3	10	2500
	Tynemouth ...	108	19·1	-20	W	3	z_0	40	85	34	6	5	–	–	7-8	7-8	2500
11	St. Abbs Head	280	14·5	-28	SW	4	c	40	97	39	7	5	–	–	0	10	2500
	Leuchars ...	36	12·2	-38	WSW	5	z_0	42	85	38	6	5	7	8	2-3	9	3500
12	Renfrew (Abbots I.)	19	13·1	-38	SW'S	5	rr	44	92	41	5	–	2	–	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·2	-24	W'S	5	c	45	85	39	8	5	2	6	2-3	10	2000
13A	Tiree	44	06·6	-48	S	7	Dr	44	97	44	6	6	2	–	9	10	800
13B	Stornoway ...	15	00·8	-42	SW	7	c-bc/r	46	97	45	7	6	2	–	4-6	7-8	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·8	-38	SSW	5	c	40	85	37	8	5	–	–	10	10	5000
	Wick ...	114	05·4	-54	S	6	c	43	75	37	8	5	7	–	7-8	10	3500
16	Sumburgh ..	19	03·9	-46	SW'S	6	c/r	43	92	42	6	5	2	–	4-6	10	1500
17	Blacksod Point	18	13·1	-30	SW	7	rr	49	92	47	8	6	2	–	4-6	10	1500
18	Malin Head ...	84	09·8	-38	S'W	7	rr	45	92	43	7	–	2	–	10	10	1500
	Aldergrove ...	268	16·4	-30	S'W	4	o/r	43	85	38	7	5	–	–	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·7	-18	SW'S	5	c	49	75	42	8	5	–	–	10	10	2500
	Roches Point	22	23·6	-14	WSW	4	c-bc/r	47	92	45	8	6	–	–	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 5th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	24·8	-10	SW'S	3	z_0	41	85	38	6	5	1	–	4-6	10	4000	1	*
	Croydon ...	25·9	-2	S	3	z_0	41	92	39	6	5	–	–	9+	9+	3000	1	*
	S. Farnborough	25·1	-14	SW'S	4	c	41	92	39	8	7	7	–	4-6	9+	2500	1	*
	Boscombe Down	25·2	-12	S'W	3	z_0	39	97	38	6	8	7	8	4-6	9+	2500	0	*
	Thorney Island	26·0	-14	SW	2	z_0	41	97	40	6	5	2	–	4-6	9+	2500	1	*
	Lympne ...	27·1	+2	W'S	1	z_0	37	92	35	5	5	–	–	1	1	3000	1	§3
	Manston ...	26·1	-2	SW'W	3	z_0	37	92	34	6	–	1	–	0	10	–	1	*
2	Shoeburyness ...	25·8	-10	WSW	3	z_0	40	85	36	5	–	1	–	0	10	–	1	*
	Felixstowe ...	24·6	-8	SSW	3	z_0	38	92	35	5	–	2	7	0	7-8	–	0	4
	Gorleston ...	23·5	-4	SW'W	3	z_0	38	85	34	6	5	–	–	9+	9+	2000	0	2
	Mildenhall ...	22·7	-14	SW'S	4	z_0	39	88	35	6	5	7	–	1	10	5000	1	*
	Cranwell ...	19·9	-18	SW	5	z_0	41	92	38	6	–	2	–	10	10	7000	1	*
3	Birmingham ...	21·2	-10	S	3	c	40	92	38	7	–	7	–	0	10	–	1	*
	Upper Heyford	23·3	-18	SW	4	ir_0	39	97	37	6	5	–	–	10	10	2500	0	*
4	Ross-on-Wye	21·9	-16	SW'S	3	pr	44	85	39	8	5	7	–	9+	10	2500	1	*
5	Hartland Point	21·8	-24	W	5	c	48	86	43	7	5	2	–	7-8	9+	1500	1	4
	Bristol ...	24·0	-18	SW	3	c	42	85	38	7	5	2	–	7-8	10	2500	1	*
	Portland Bill ...	25·1	-16	W	4	c	47	92	45	7	5	–	–	10	10	2500	1	4
	Plymouth ...	26·0	-14	WSW	4	c	48	75	42	8	5	7	–	7-8	10	3000	0	3
	The Lizard ...	25·9	-16	WSW	5	c-bc	48	75	41	8	8	–	–	7-8	7-8	1500	0	4
	Scilly (St. Mary's)	24·7	-22	WSW	6	c	49	75	41	7	5	–	–	10	10	1000	1	5
	Guernsey ...																	
6	Pembroke ...	20·7	-26	SW	7	cq	48	92	46	8	8	–	–	9+	9+	2500	1	3
7	Holyhead (Valley)	16·8	-22	SW'S	6	r_0r_0	47	85	43	5	–	2	–	10	10	2800	1	4
	Chester (Sealand)	18·1	-20	SSW	1	ir_0	45	85	42	6	5	2	–	7-8	10	2500	1	*
8	Manchester ...	17·8	-22	S	4	r_0r_0	42	92	40	6	5	2	–	7-8	10	2500	1	*
10	Spurn Head ...	18·9	-20	SW'S	5	c	41	85	36	7	7	–	–	9+	9+	2500	0	4
	Catterick ...	14·4	-36	SW	6	z_0	45	86	39	6	5	–	–	7-8	7-8	2000	1	*
	Tynemouth ...	13·0	-28	WSW	5	c-bc	45	75	48	6	8	–	–	7-8	7-8	2500	1	3
11	St. Abbs Head	06·1	-46	SW	6	r_0r_0	43	97	42	7	5	–	–	10	10	2500	1	
	Leuchars ...	05·0	-30	WSW	6	c/r	45	85	41	6	4	2	–	7-8	10	1500	1	*
12	Renfrew (Abbots I.)	07·5	-14	SW	4	r_0r_0	46	92	44	6	6	2	–	10	10	1300	2	*
	Eskdalemuir ...	09·4	-24	SW	7	rr	41	92	40	6	–	2	–	10	10	300	1	*
	Point of Ayre ...	12·1	-26	W'S	6	rr	45	97	44	7	6	2	–	2-3	10	1800	1	4
13A	Tiree	05·5	+4	W'S	3	c	45	92	43	7	5	2	–	4-6	10	2500	1	
13B	Stornoway ...	01·4	+6	W	5	pr	43	85	39	7	8	–	–	10	10	2000	1	3
15	Dalwhinnie ...	04·0	-14	WSW	3	o	42	85	38	7	5	1	–	2-3	10	2500	1	*
	Aberdeen † ...	00·2	-20	SW	4	b	43	85	38	7	5	–	–	1	1	4000	1	3
	Wick ...	00·5	0	SW	3	c-bc	41	92	39	8	8	4	–	7-8	7-8	2500	1	*
16	Sumburgh ..	04·3	-40	W'S	8	c	44	97	43	7	8	–	–	9+	9+	3000	1	5
17	Blacksod Point	09·4	-18	WSW	4	rr	48	97	47	9	8	2	–	4-6	10	1500	2	4
18	Malin Head ...	07·1	-2	SW'W	4	r_0r_0	46	97	45	7	–	2	–	10	10	1500	2	5
	Aldergrove ...	10·4	-26	SSW	4	ir_0	45	92	43	6	5	–	–	10	10	1100	1	*
19	Birr Castle ...	13·8	-22	SSW	4	ir	47	92	45	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	16·7	-22	SW	6	rr	50	92	48	7	5	–	–	10	10	800	1	5
	Roches Point	17·9	-28	WSW	5	c	50	92	48	8	5	–	–	9+	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
1	London (Kew)	46	37	25	–	–	1·5
	Croydon ...	46	36	29	–	–	3·3
	S. Farnborough	47	33	22	–	Tr	3·7
	Boscombe Down	47	33	28	Tr	Tr	5·8
	Thorney Island	48	32	25	Tr	Tr	*
	Lympne ...	45	31	27	Tr	–	4·8
	Manston ...	44	35	32	–	–	2·6
2	Shoeburyness ...	47	37	28	–	–	4·3
	Felixstowe ...	46	35	31	–	–	4·5
	Gorleston ...	44	35	33	–	–	5·0
	Mildenhall ...	45	34	29	Tr	Tr	3·3
	Cranwell ...	45	35	33	Tr	–	1·5
3	Birmingham ...	44	37	31	0·2	–	2·0
	Upper Heyford	44	34	*	–	–	*
4	Ross-on-Wye	47	38	30	Tr	Tr	3·5
5	Hartland Point	46	44	42	–	0·1	6·3
	Bristol ...	48	37	28	–	–	5·8
	Portland Bill ...	49	49	*	–	–	*
	Plymouth ...	48	38	31	0·3	–	7·0
	The Lizard ...	49	44	*	–	Tr	7·4
	Scilly (St. Mary's)	51	48	*	Tr	0·2	7·3
	Guernsey ...						
6	Pembroke ...	47	45	*	–	1	6·5
7	Holyhead (Valley)	46	45	44	–	2	*
	Chester (Sealand)	47	38	38	1	0·1	4·3
8	Manchester ...	45	37	32	0·2	0·2	*
10	Spurn Head ...	44	37	*	–	–	5·2
	Catterick ...	46	37	27	–	Tr	4·8
	Tynemouth ...	46	39	35	–	–	*
11	St. Abbs Head	44	36	*	–	0·5	*
	Leuchars ...	47	37	29	Tr	0·2	5·4
12	Renfrew (Abbots I.)	46	41	35	Tr	*	3·1
	Eskdalemuir ...	44	33	32	–	12	4·5
	Point of Ayre ...	47	40	*	–	6	5·4
13A	Tiree	47	44	44	Tr	4	3·1
13B	Stornoway ...	47	43	28	1	5	1·7
15	Dalwhinnie ...	40	35	31	0·3	13	3·0
	Aberdeen † ...	44	37	29	–	–	4·5
	Wick ...	44	37	35	Tr	0·1	*
16	Sumburgh ..	45	41	38	3	6	3·6
17	Blacksod Point	49	47	*	0·2	10	*
18	Malin Head ...	46	43		–	8	3·0
	Aldergrove ...	46	40	40	–	1	5·0
19	Birr Castle ...	47	42	40	–	2	2·4
20	Valentia Obsy.	49	45	42	0·2	2	1·4
	Roches Point	49	45	*	–	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 4th Feb. ... 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	36	98854	22585	5-	25755	22485
115	37	10844	60687	87	02844	57526
203	8-	02946	20426	8-	02947	20527
206				46	02863	20385
210	27	01962	22315	44	02871	21315
220	80	25854	22284	52	02744	18518
230	5-	02853	20328	93	25856	20387
245	24	02951	22115	04	07890	22214
260	10	05653	24213	54	05651	20213
278	87	02854	25487	57	01853	23414
279	26	02863	25315	40	01762	20313
285				27	01744	26514
288	20	05690	26313	04	05690	20311
575	8-	81854	18285	07	22890	18268
301	26	01752	26325	24	01751	24323
321						
2.0	54	01753	28313	40	01753	30313
292	14	01954	29414	40	01861	23212
310	--	01635	26315	--	01635	26315
614				20	08463	24203

01h. G.M.T. 5th Feb. ... 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
02	02778	49628	50	25764	56564
52	64735	49668	52	81745	57587
			8-	81848	16588
52	61854	53668	57	02863	22468
07	02890	50526	57	02862	21465
02	64538	51568	62	02744	18468
52	05664	18428	57	02747	17668
57	02754	53428	62	62655	49468
62	61737	18368	62	62737	20468
51	02743	20628	52	64655	20768
07	05690	17418	5-	22658	49568
52	61845	51468	62	62736	53468
52	02765	19328	02	62648	20568
			5-	05658	20428
50	05661	18118	52	05665	18468
			--	51428	20458
07	08490	20218	52	61544	20328

13h. G.M.T. 4th Feb. ... 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333				84	01753	22213
334	--	02743	28214	--	91752	26213
340	86	02754	30215	40	01852	25213
136	53	05663	26315	06	05690	24214
336	23	01753	28415	13	01762	24413
350	53	05655	26326	00	05590	22221
368	83	02764	26215	04	01790	28313
379	27	01854	28484	46	01863	26314
390	5-	05554	26426	53	08475	26226
382	2-	81755	28515	46	01761	26114
438	50	02655	24305	53	02655	26316
430	14	05664	28324	5-	05666	28226
409	14	01963	29514	20	01854	28385

01h. G.M.T. 5th Feb. ... 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
5-	02764	21428	52	61654	55568
52	02558	24128	52	61755	20268
40	05573	22213	01	05630	20428
		-	57	25657	24488
50	08463	22213	57	05662	18227
01	02790	24318	52	05664	22386
07	05690	22318	5-	22647	20467
50	08463	24213	50	05565	18328
52	51645	20427			
50	01763	28213	5-	02648	24318
50	05651	23201	52	05654	00027
2-	01854	22414	57	02855	22527

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h_s N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L C_M = Form of low and medium cloud—See Introduction.
VV = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 5th February.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew	bfxcm₀	czobcm₀	bm₀xcm₀	—
Croydon ...	bm₀cm₀	cm₀cm	bcm₀	—
Greenwich ...	bcm	cm₀	blocbcm₀	Kew 24 hours ended 7h.
Camden Square	o	c	*	Max. Time
Kensington ...	bccz	cz	*	0·5 7-9h 4th
Hampstead ...	bc	cp	bc	Min. Time 0·1 3-5h 5th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	46	37	25	–	–	1·5	*	*
Croydon ...	46	36	29	–	–	3·3	*	*
Greenwich ...	45	34	27	–	–	1·8	72	83
Westminster ...	46	35	29	–	–		76	84
Regents Park ...	45	36	31	–	–		72	83
Camden Square	42	36	29	–	–	*	*	85
Kensington ...	45	35	28	–	Tr		77	85
Hampstead ...	45	34	29	–	Tr		*	89

SECRET

Saturday, 6th February 1943.

No. 2966¹

Page 1 BRITISH SECTION

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

OBSERVATIONS at 13h. G.M.T. 5th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·9	-20	SW	4	rr	47	85	44	6	5	2	-	7-8	10	2500
	Croydon	23·0	-20	SSW	4	ir	48	85	42	6	5	2		4-6	10	2000
	S. Farnborough	22·5	-22	SW	5	rr	47	85	43	8	5	2	-	7-8	10	1800
	Boscombe Down	22·5	-22	SW	5	ir	47	85	43	7	5	2	-	9	10	2000
	Thorney Island	24·5	-20	SW	4	ir	45	75	43	8	5	2	-	10	10	5700
	Lympne	24·5	-16	SW	3	ir	45	92	43	8	7	-	-	9	10	200
	Manston	23·7	-16	SW	4	c/d	46	85	42	8	5	1	-	1	10	1500
2	Shoeburyness	22·6	-20	SW	4	ir	47	85	41	7	5	2	-	2-3	10	2500
	Felixstowe	21·7	-24	SSW	5	ir	45	86	40	6	-	2	-	0	10	-
	Gorleston	20·2	-24	SW'W	4	pr	45	92	42	6	5	-	-	10	10	1800
	Mildenhall	19·2	-26	SW'S	5	rr	45	85	41	6	-	7	-	0	10	-
	Cranwell	15·7	-34	SSW	6	ir	45	85	41	7	6	2	-	2-3	10	1500
3	Birmingham	16·6	-24	SSW	3	ir	44	92	42	5	6	-	-	10	10	800
	Upper Heyford	20·2	-22	SW'S	3	c/r	45	85	41	7	5	2	-	4-6	10	1800
4	Ross-on-Wye	18·3	-26	SW'W	5	c/r	48	85	44	7	6	1	-	9+	10	1000
5	Hartland Point	19·5	-14	WSW	5	ir	48	92	45	7	5	2	-	7-8	10	800
	Bristol	22·5	-12	WSW	4	dr	47	85	43	6	5	2	-	7-8	10	1500
	Portland Bill	23·2	-16	SW	5	c	50	92	48	7	5	-	-	10	10	2500
	Plymouth	24·2	-12	WSW	5	ir	50	85	46	6	5	-	-	10	10	1500
	The Lizard	24·8	-14	SW	6	c	50	85	46	8	5	2	-	7-8	10	1800
	Scilly (St. Mary's)	23·1	-10	SW'W	6	c	51	85	46	7	5	7	-	4-6	9+	1200
	Guernsey															
6	Pembroke	17·9	-18	SW	7	dd	47	97	47	6	5	-	-	10	10	2500
7	Holyhead (Valley)	12·3	-22	SW'S	8	z	49	92	47	6	5	-	-	10	10	1000
	Chester (Sealand)	13·5	-26	SW	3	c	51	75	45	8	5	7	-	2-3	9+	1800
8	Manchester	13·3	-32	S'W	5	c/r	47	92	45	8	5	7	-	9	10	2500
10	Spurn Head	15·0	-28	SSW	4	c	45	85	40	7	7	-	-	9	9	1600
	Catterick	08·9	-20	SW	5	c	50	75	41	6	8	-	-	9+	9+	2400
	Tynemouth	10·9	-22	SW	3	rr	47	85	44	6	5	7	-	4-6	10	800
11	St. Abbs Head	05·4	-12	SW	5	c	47	92	45	7	5	2	-	7-8	9+	2500
	Leuchars	04·6	-2	W	4	z	47	85	43	6	8	7	-	4-6	10	1800
12	Renfrew (Abbots I.)	05·8	-10	SW'S	2	c/r	48	85	43	8	8	7	-	7-8	9+	2500
	Eskdalemuir	06·7	-26	SW	4	rr	44	92	43	6	-	2	-	10	10	200
	Point of Ayre	08·2	-24	W	6	c	50	92	48	8	8	2	-	9	10	1600
13A	Tiree	04·2	-16	SW'S	3	c	48	85	44	7	5	1	-	1	10	4500
13B	Stornoway	00·7	-6	WSW	4	c/pr	45	85	41	8	5	1	-	2-3	10	2200
15	Dalwhinnie	03·5	-2	WSW	3	id	42	85	38	8	5	1	-	4-6	10	2500
	Aberdeen	03·7	-6	SSW	1	m	46	75	39	4	5	7	7	2-3	9+	4000
	Wick	01·3	-20	SSW	4	c	47	75	39	9	2	-	7	2-3	10	3500
16	Sumburgh	96·6	0	W	6	bejp	45	85	41	8	3'	6	3	2-3	4-6	2500
17	Blacksod Point	05·5	-34	SW	4	ir	51	97	50	7	6	2	-	4-6	10	1500
18	Malin Head	04·8	-22	SSW	3	ir	47	97	46	8	5	7	-	7-8	10	1500
	Aldergrove	07·1	-12	SW'S	1	dd	46	97	45	4	-	2	-	10	10	200
19	Birr Castle	10·9	-14	WSW	4	ir	51	92	49	7	6	2	-	7-8	10	800
20	Valentia Obsy.	14·4	-16	SW	6	c/r	52	92	50	6	5	-	-	10	10	1500
	Roches Point	15·9	-12	WSW	6	dd	51	97	50	6	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 5th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	18·6	-14	SW	4	c/r	47	92	43	6	5	2	-	9	10	2500	1	*
	Croydon	20·0	-18	SSW	4	rr	47	97	46	6	6	2	-	9+	10	1300	1	*
	S. Farnborough	19·3	-14	SW	5	dd	47	92	45	6	5	2	-	9+	10	1000	1	*
	Boscombe Down	19·9	-10	SW	5	id	47	92	45	6	5	2	-	9+	10	1800	1	*
	Thorney Island	21·3	+2	SW	4	rr	48	85	44	6	6	2	-	9	10	1500	1	*
	Lympne	21·0	-28	SSW	4	rr	45	97	45	6	5	2	-	9+	10	500	1	§
	Manston	20·4	-16	SW	4	c/r	46	97	45	7	5	-	-	9+	9+	800	1	*
2	Shoeburyness	19·3	-20	SW	5	id	47	92	44	6	5	2	-	9	10	800	1	*
	Felixstowe	17·4	-28	SSW	5	c/r	45	92	43	6	5	2	-	9	10	3300	1	4
	Gorleston	15·7	-20	SW	5	c/pr	46	92	44	6	8	-	-	10	10	1000	1	4
	Mildenhall	14·8	-26	SW	5	c	47	85	43	7	5	2	-	7-8	10	1600	1	*
	Cranwell	11·5	-18	SSW	6	rr	47	92	45	6	5	2	-	4-6	10	500	1	*
3	Birmingham	13·3	-14	SW	4	c	49	85	45	8	5	-	-	10	10	1500	1	*
	Upper Heyford	16·5	-24	SW	6	rr	45	97	44	5	6	2	-	9	10	800	1	*
4	Ross-on-Wye	15·5	-10	SW	5	id	48	85	42	7	6	-	-	10	10	1000	1	*
5	Hartland Point	16·4	-14	WSW	6	c	49	92	47	6	5	2	-	7-8	10	800	1	
	Bristol	18·3	-18	SW	3	dd	47	97	46	6	5	-	-	10	10	600	2	*
	Portland Bill	20·4	-12	SW	5	o	49	92	47	7	5	-	-	10	10	2500	1	5
	Plymouth	21·8	-14	WSW	6	z	51	85	47	6	5	7	-	9	10	1200	1	3
	The Lizard	22·4	-20	WSW	6	c	50	85	46	7	5	2	-	9	10	1000	1	5
	Scilly (St. Mary's)	20·8	-14	SW'W	6	c	50	85	46	7	5	-	-	10	10	1200	1	5
	Guernsey																	
6	Pembroke	14·5	-10	SW	8	cq	50	92	49	6	5	2	-	4-6	10	2000	1	5
7	Holyhead (Valley)	09·0	-18	SW'S	8	z	49	92	47	6	5	-	-	10	10	800	1	6
	Chester (Sealand)	10·0	-18	SW	4	c	52	85	48	8	5	2	-	9	10	1000	1	*
8	Manchester	09·9	-22	S'W	5	c	50	92	47	7	5	7	-	7-8	9+	1500	1	*
10	Spurn Head	10·9	-12	SW	6	cq	47	85	44	7	5	2	-	4-6	10	1500	0	4
	Catterick	05·0	-28	S'W	4	ir	51	85	47	6	5	7	-	7-8	10	900	1	*
	Tynemouth	04·1	-30	SW	4	c	51	85	45	6	5	-	-	9	9	2500	1	2
11	St. Abbs Head	00·7	-30	SE	3	rr	46	97	46	7	5	-	-	10	10	1500	1	3
	Leuchars	99·2	-30	SW	4	rcrc	45	92	43	5	5	2	-	9	10	1200	1	*
12	Renfrew (Abbots I.)	98·6	-52	SSW	3	rf	45	97	45	3	-	2	-	10	10	800	2	*
	Eskdalemuir	01·1	-32	SSW	4	rr	46	97	45	6	-	2	-	10	10	200	1	*
	Point of Ayre	03·0	-24	W'S	6	ir	52	92	50	7	8	2	-	4-6	10	1500	1	4
13A	Tiree	93·1	-80	SE	4	rr	43	97	42	6	-	-	-	10	10	1500	2	3
13B	Stornoway	95·7	-22	-	0	ir	42	92	40	7	5	2	-	7-8	10	1200	1	1
15	Dalwhinnie	99·0	-36	S	3	ir	39	92	36	7	5	2	-	4-6	10	2500	1	
	Aberdeen	99·7	-28	SSW	2	m	44	85	41	4	5	7	-	9+	10	2500	1	2
	Wick	98·2	-20	SW	3	c	43	75	36	8	5	2	-	4-6	10	3000	1	*
16	Sumburgh	96·0	-10	SW'W	6	c	44	92	43	8	4	7	7	1	10	2500	1	3
17	Blacksod Point	99·2	-34	SW'S	7	dr	51	97	50	6	6	2	-	4-6	10	800	2	5
18	Malin Head	94·9	-66	SW'S	7	rr	51	92	49	7	6	2	-	7-8	10	800	2	5
	Aldergrove	00·9	-36	SW	5	id	50	92	47	6	6	2	-	9+	10	1000	1	*
19	Birr Castle	06·1	-24	WSW	5	ir	52	85	48	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	10·7	-24	SW'S	7	ir	52	92	48	6	5	-	-	10	10	1500	1	6
	Roches Point	13·4	-14	WSW	6	dd	50	97	49	6	5	-	-	10	10	450	1	5

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.—7h. 6th (42)
1	London (Kew)	irmcrm	rmrirc	rcircm	cirrm
	Croydon	cm	irrr	cmircm	cmid
	S. Farnborough	cirrr	cirdm	cdidrcmid	ciddr
	Boscombe Down	ccirr	ccidcidm	cddmcm	cmidcrrm
	Thorney Island	cwcidc	crrccrr	cmrrc	idcir
	Lympne	r	crcrm	crrm	crdm
	Manston	czid	cmrrd	cdrm	cmir
2	Shoeburyness	cmcir	crridmc		cdm
	Felixstowe	cmcirm	cirmcm	cirmcm	cmcrrm
	Gorleston	czpr	oprc	cprq	coprq
	Mildenhall	cmcrgprm	crrc	c	crrm
	Cranwell	ccir	irrr	cm	crrm
3	Birmingham	coir	circ	co	orrc
	Upper Heyford	cirmcr	ccrrrm	rridm	rrrm
4	Ross-on-Wye	cir	rqdc	dqcqd	crc
5	Hartland Point	circ	circ	irprc	cirrrcf
	Bristol	crrm	crddm	cdd, irm	cmidrr
	Portland Bill	cc	oo	oo	orr
	Plymouth	cir	cidm	cidc	cdrrm
	The Lizard	c	coc	coc	bddrr
	Scilly (St. Mary's)	c	c	c	idrr
	Guernsey				
6	Pembroke	crrmq	cmq	cq	cirq
7	Holyhead (Valley)	orrid	om	oicm	bcb
	Chester (Sealand)	cirrr	cir	bc	cirrrz
8	Manchester	crrm	irc	mirc	crr oc
10	Spurn Head	c	cq	cq	bcq
	Catterick	irrrm	crrmc	crrcm	bcmb
	Tynemouth	c	c	coir	obcq
11	St. Abbs Head	orc	cr	orr	orbcb
	Leuchars	mircm	cmrr	crrrrnbcm	bcmb
12	Renfrew (Abbots I.)	circ	cfrr	cfrrrrcz	czrrbcz
	Eskdalemuir	crrrm	orrr	prRr	orrcpr
	Point of Ayre	rrrrc	DDir	irir	ircb
13A	Tiree	ccprcc	cprcRrm	crrbcrr	crrbc
13B	Stornoway	cprc	ccir	crrrrm	crrmbc
15	Dalwhinnie	cid	pir		circ
	Aberdeen	ccz	czz	rrrr	rrir
	Wick	c	c	crr	crrmc
16	Sumburgh	cprbc	ophrc	cir	cbcprbc
17	Blacksod Point	r	r	bc	pr
18	Malin Head	r	r	r	pr
	Aldergrove	cddfcddm	cdfcdo	cidirmirc	bcb
19	Birr Castle	r	r		pr
20	Valentia Obsy.	r	r	r	pr
	Roches Point	d	d	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 6th February 1943.

Districts	Forecast
1 S.E. England	Fresh westerly wind veering northwest to north and moderating; dull and rainy at first, improved conditions with bright periods & local showers spreading from north west; rather cold to 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; 13A W. Scotland	Fresh or strong west-northwest winds, moderating, veering north later; bright intervals and showers with local hail and thunder; showers mainly confined to western coastal districts at first, but spreading down east coast later, where they will turn to snow; rather cold to cold, slight frost locally at night.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate north winds; occasional wintry showers; cold.
16 Orkneys and Shetlands ↑	As 13B - 15.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Fresh west-northwest wind, moderating, veering north later; bright intervals and showers with local hail and thunder; cold with slight local frost at night.

GENERAL INFERENCE

A depression centred east of Scotland is moving away east, and associated troughs are moving South-southeast across the British Isles. Weather will be generally showery, except in the extreme southeast where there will be more general rain at first. It will become colder, and in North and East Scotland and eastern coastal districts of England there will be some snow showers later.

FURTHER OUTLOOK

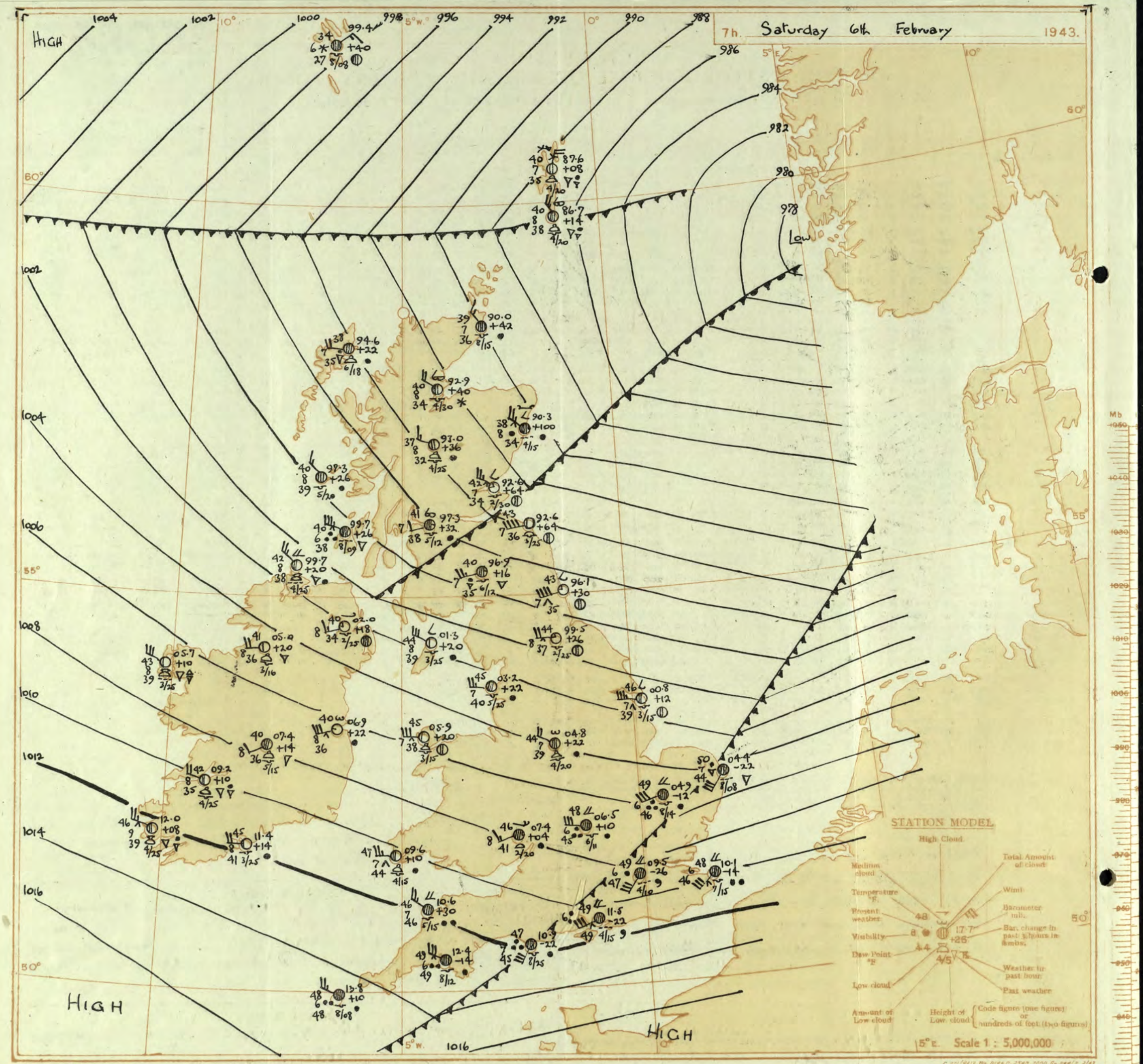
A period of quiet mainly fine weather with frost at night in many places

✝ Gale warning in operation districts 10 & 11 time of issue 1640 5th February ↑ Gale warning in operation districts 15 & 16 time of issue 0600 6th February.

Forecasts issued at 10 30.

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

Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

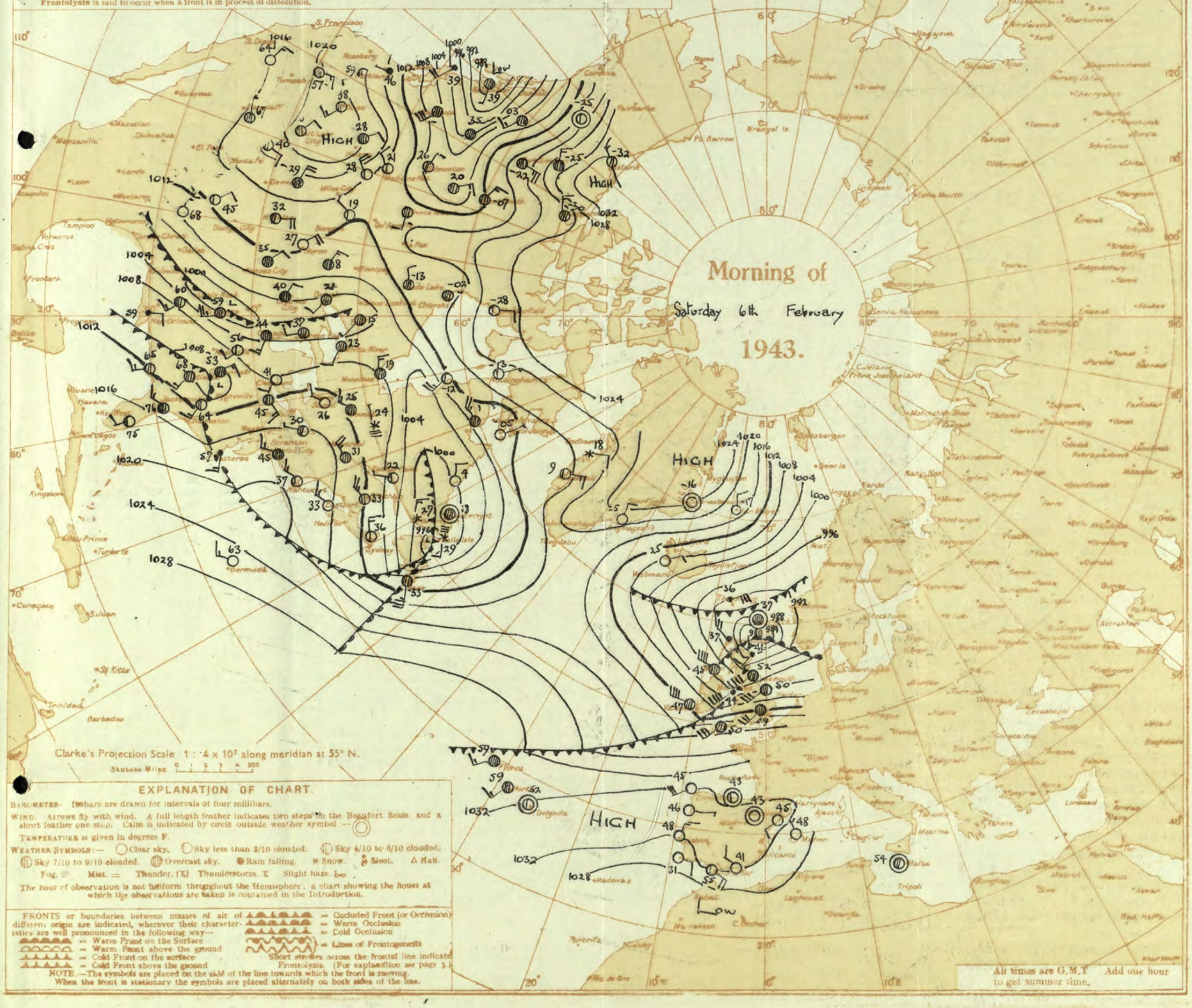
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. (K) 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Saturday, 6th February 1943

No. 2961

OBSERVATIONS at 1 hr. G.M.T. 6th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon ...	290	14·3	-6	SW	6	z	49	85	46	6	5	1	-	10	10	1700
	S. Farnborough	226	14·9	-30	SW'W	6	id	49	85	45	6	5	-	-	10	10	1500
	Boscombe Down	417	14·4	-28	SW	7	z	48	85	44	6	5	-	-	10	10	1600
	Thorney Island	10	16·4	-26	SW'W	6	c	50	85	45	7	5	-	-	10	10	2500
	Lympne ...	283	16·4	-22	WSW	5	z	47	85	44	5	5	2	-	9	10	600
	Manston ...	154	15·2	-20	WSW	5	z	49	85	45	6	5	1	-	7-8	10	1800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·4	-26	SW'S	6	z	48	85	44	6	5	-	-	10	10	1900
	Gorleston ...	5	09·4	-24	S	6	z	49	85	46	6	5	-	-	10	10	1500
	Mildenhall ...	15	09·2	-26	SW'S	6	c	48	85	40	8	5	-	-	10	10	1800
	Cranwell ...	203	04·4	-34	SSW	8	z	50	85	46	6	5	-	-	7-8	10	1400
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·3	-26	SW	7	ir	47	92	45	6	5	-	-	10	10	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·1	-20	W	7	c	49	92	47	7	8	2	-	9	10	1500
	Bristol ...	209	13·7	-26	SW	5	c/r	49	85	45	6	5	-	-	10	10	1400
	Portland Bill ...	32	14·7	-40	SW	6	o	47	92	45	7	5	-	-	10	10	2500
	Plymouth ...	82	17·5	-24	WSW	8	c/d	51	85	47	7	5	-	-	10	10	1500
	The Lizard ...	240	17·7	-36	W	6	c	50	92	47	8	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	15·8	-24	SW'W	6	c	50	92	48	7	4	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	08·8	-30	SW	8	cq	50	97	50	7	5	-	-	10	10	1500
7	Holyhead (Valley)	32	02·9	-26	SSW	8	r	50	92	48	6	5	-	-	10	10	800
	Chester (Sealand)	16	02·9	-30	WSW	6	ir	53	75	45	6	5	-	-	9	9	2000
8	Manchester ...	235	03·8	-30	SW	7	c	50	85	46	7	5	-	-	10	10	2500
10	Spurn Head ...	29	02·7	-30	SW	6	cq	50	85	45	7	5	3	-	9+	9+	1500
	Catterick ...	175	95·1	-42	SSW	7	c/r	50	85	47	6	5	7	-	4-6	7-8	1000
	Tynemouth ...	108	93·0	-36	WSW	8	c/r	52	75	44	7	6	-	-	10	10	1500
11	St. Abbs Head	280	86·3	-56	SW	7	rr	51	92	50	7	5	-	-	10	10	1500
	Leuchars ...	36	84·1	-56	WSW	8	z	48	85	42	6	5	2	-	4-6	7-8	1500
12	Renfrew (Abbots L.)	19	89·4	-22	WSW	8	r	45	75	39	4	5	2	-	4-6	7-8	2200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	97·4	-2	W	7	ir	49	92	47	8	6	2	-	7-8	10	2000
13A	Tiree	44	92·3	+90	N	7	r	41	85	38	7	5	-	-	10	10	1500
13B	Stornoway ...	15	89·7	+16	NNW	4	r	37	92	35	6	-	2	-	10	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	81·4	-86	SW'S	4	bc/r	46	92	45	7	5	-	-	4-6	4-6	3000
	Wick ...	114	84·7	-66	ENE	4	rr	38	92	35	6	5	-	-	10	10	1000
16	Sumburgh ..	19	88·3	-38	N	2	ir	40	92	39	7	5	2	-	2-3	10	1200
17	Blacksod Point	18	03·6	+2	NW	3	bc	46	75	39	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	84	96·0	+62	WNW	8	c/r	45	85	41	7	6	2	-	7-8	10	800
	Aldergrove ...	268	98·6	-34	W'S	6	c-bc	45	75	38	7	5	-	-	7-8	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·6	+26	W'N	5	c/r	47	85	43	8	8	-	-	9+	10	2500
	Roches Point	22	08·4	-6	W	6	r	51	97	51	7	6	2	-	4-6	10	800

OBSERVATIONS at 7 hr. G.M.T. 6th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	07·8	-24	SW	5	r	48	92	46	6	5	2	-	9+	10	1500	1	*
	Croydon ...	09·5	-26	SW	6	ir	49	92	47	6	6	2	-	4-6	10	1000	1	*
	S. Farnborough	09·1	-22	SW	7	r	49	92	48	7	5	-	-	10	10	1400	1	*
	Boscombe Down	09·6	-22	SW	6	r	49	92	47	6	6	2	-	7-8	10	1200	1	*
	Thorney Island	11·5	-22	SW	6	ir	49	97	49	6	6	2	-	4-6	10	1500	1	*
	Lympne ...	11·0	-14	SW	4	id	47	97	45	5	5	2	-	7-8	10	700	1	6
	Manston ...	10·1	-14	SW	6	c/r	48	92	46	6	5	2	-	9+	10	1500	1	*
2	Shoeburyness ...	09·7	-20	WSW	5	id	50	85	44	6	5	2	-	2-3	10	1500	1	*
	Felixstowe ...	07·2	-18	SW'S	7	r	49	85	45	6	5	-	-	10	10	2100	1	5
	Gorleston ...	04·4	-22	SW'S	6	pr	50	85	44	7	6	-	-	10	10	800	1	5
	Mildenhall ...	04·9	-12	WSW	6	r	49	92	46	6	5	2	-	10	10	1400	1	*
	Cranwell ...	03·4	+18	W'N	5	c/r	46	85	41	6	5	7	-	4-6	9	2500	1	*
3	Birmingham ...	06·4	+12	W	4	c	46	85	42	8	6	7	-	2-3	9	800	1	*
	Upper Heyford	06·5	+10	W	6	rr	48	92	45	6	5	2	-	9	10	1100	1	*
4	Ross-on-Wye	07·6	+4	W'S	3	c	46	85	41	8	1	2	-	1	9+	2000	1	*
5	Hartland Point	10·6	+30	NW	5	c/r	46	97	46	7	5	2	-	7-8	10	1500	1	
	Bristol ...	09·6	0	W'S	5	r	47	97	46	6	6	2	-	7-8	10	800	2	
	Portland Bill ...	10·9	-22	SW	6	rr	47	92	45	7	5	-	-	10	10	2500	1	6
	Plymouth ...	12·4	-14	WNW	6	r	49	97	49	6	5	-	-	10	10	1200	1	
	The Lizard ...	13·0	-22	WNW	6	rr	49	97	49	6	5	-	-	10	10	1000	1	5
	Scilly (St. Mary's)	13·8	+10	NW'W	5	r	48	97	48	6	5	-	-	10	10	500	1	5
	Guernsey ...																	
6	Pembroke ...	09·6	+10	W	5	bcq	47	85	44	7	8	-	-	4-6	4-6	1500	1	9
7	Holyhead (Valley)	09·9	+20	W	6	b-bc	45	75	38	7	8	-	-	2-3	2-3	1500	1	6
	Chester (Sealand)	04·4	+18	W	4	b-bc	46	75	37	7	5	7	-	2-3	2-3	2500	1	*
8	Manchester ...	04·5	+20	WSW	5	c	44	85	40	7	5	-	-	10	10	2000	1	*
10	Spurn Head ...	00·8	+12	W	7	bcq	46	75	39	7	5	4	-	2-3	4-6	1500	1	5
	Catterick ...	99·5	+26	W	4	b	44	75	37	8	5	-	-	1	1	2500	1	*
	Tynemouth ...	96·1	+30	WSW	8	bq	43	75	35	7	-	4	-	0	1	-	1	4
11	St. Abbs Head	92·6	+64	WSW	8	b-bc	43	75	36	7	4	-	-	2-3	2-3	2500	1	6
	Leuchars ...	92·6	+64	WNW	5	b	42	75	34	7	5	4	-	1	1	3000	1	*
12	Renfrew (Abbots L.)	97·3	+32	W'S	2	c	41	85	38	7	5	7	-	7-8	9	1200	2	*
	Eskdalemuir ...	96·9	+16	W'S	5	pr	40	85	35	7	5	-	-	9	9	1200	1	*
	Point of Ayre ...	01·3	+20	WNW	6	b-bc	44	85	39	8	5	4	-	2-3	2-3	2500	1	5
13A	Tiree	97·3	+26	NNW	3	c-bc	40	92	39	8	5	-	-	7-8	7-8	2000	2	
13B	Stornoway ...	94·6	+22	W	4	pr	38	92	35	7	2	-	-	9	9	1800	1	
15	Dalwhinnie ...	93·0	+36	WNW	3	c	37	85	32	8	8	-	-	4-6	4-6	2500	1	*
	Aberdeen † ...	90·3	+100	NW	5	ir	38	85	34	8	6	1	7	4-6	9+	1500	1	3
	Wick ...	90·0	+42	NNW	3	c	39	92	36	7	5	-	-	10	10	1500	1	
16	Sumburgh ..	86·7	+14	N'W	5	c-bc/pr	40	92	38	8	8	7	-	4-6	7-8	2000	1	3
17	Blacksod Point	05·7	+10	NW	6	b-bc/pr	43	85	39	8	9	-	-	2-3	2-3	2500	2	5
18	Malin Head ...	99·7	+20	NW'W	5	bc/r	42	85	38	8	9	2	-	4-6	4-6	2500	2	6
	Aldergrove ...	02·0	+18	W'S	3	b	40	75	34	8	5	-	1	1	1	2500	1	*
19	Birr Castle ...	07·5	+14	WSW	2	c-bc	40	85	36	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	12·0	+8	WNW	5	bc/pr	46	75	39	9	3	-	-	4-6	4-6	2500	1	4
	Roches Point	11·4	+14	W	4	b-bc	45	85	41	8	5	-	-	2-3	2-3	2500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
1	London (Kew)	47	46	45	1	0·6	0·0
	Croydon ...	48	47	35	1	1	0·0
	S. Farnborough	47	47	45	0·4	1	0·0
	Boscombe Down	48	45	45	0·2	1	0·0
	Thorney Island	49	47	47	0·6	0·4	*
	Lympne ...	46	45	44	2	1	0·0
	Manston ...	46	46	45	Tr	Tr	0·0
2	Shoeburyness ...	47	46	45	1	3	0·0
	Felixstowe ...	46	45	45	1	3	0·0
	Gorleston ...	46	45	43	0·2	0·2	0·0
	Mildenhall ...	47	42	44	1	0·6	0·0
	Cranwell ...	40	45	43	0·1	3	0·0
3	Birmingham ...	49	42	42	1	4	0·0
	Upper Heyford	46	45	44	1	3	*
4	Ross-on-Wye	48	46	43	0·5	2	0·0
5	Hartland Point	49	46	44	1	4	0·0
	Bristol ...	48	47	45	3	8	0·0
	Portland Bill ...	50	45	*	-	1	*
	Plymouth ...	53	49	48	Tr	2	0·0
	The Lizard ...	50	48	*	-	4	0·0
	Scilly (St. Mary's)	51	48	*	-	1	0·1
	Guernsey ...						
6	Pembroke ...	50	45	*	1	5	0·0
7	Holyhead (Valley)	50	42	41	5	1	*
	Chester (Sealand)	54	46	41	1	4	0·6
8	Manchester ...	50	44	41	1	5	*
10	Spurn Head ...	47	45	*	Tr	0·6	0·0
	Catterick ...	52	44	38	0·5	6	0·0
	Tynemouth ...	52	43	40	-	2	*
11	St. Abbs Head	49	43	*	0·1	7	*
	Leuchars ...	50	41	39	0·6	9	
12	Renfrew (Abbots L.)	49	51		7	18	0·9
	Eskdalemuir ...	46	39	36	13	20	0·0
	Point of Ayre ...	52	43	*	6	1	1·1
13A	Tiree	48	38	35	10	7	0·0
13B	Stornoway ...	46	36	33	0·5	22	0·0
15	Dalwhinnie ...	43	33	32	06	11	0·1
	Aberdeen † ...	47	35	33	-	10	0·0
	Wick ...	47	36	36	Tr	22	*
16	Sumburgh ..	47	39	34	1	2	3·3
17	Blacksod Point	52	41	*	3	3	*
18	Malin Head ...	52	40		11	3	0·0
	Aldergrove ...	50	40	34	5	1	0·0
19	Birr Castle ...	52	39	36	3	8	0·0
20	Valentia Obsy.	53	44	40	0·5	4	0·0
	Roches Point	52	45	*	1	5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th Feb. ... 18h. G.M.T. / 01h. G.M.T. 6th Feb. ... 07h. G.M.T.

III	$C_L C_M$	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	23	02853	55625	52	02745	19428	5-	64648	04468	52	22745	27466
115	62	27835	57588	52	64735	57588	52	64735	08468			
203				5-	61848	16328	6-	64738	32568			
206	50	02853	22418	52	02865	22128	02	62648	37468	57	02864	26475
210	53	02872	21327	52	02765	15228	02	62748	06368	52	61633	58568
220	51	02854	22118									
230	52	61855	18468	62	64636	00068	62	61648	59868	9-	81848	59488
245	57	02842	20327	02	22690	18766	80	22752	56762	45	02862	24416
260	52	02764	20225	02	64458	24168				50	01763	53213
278	62	51527	21368	62	62617	18268	5-	02844	24667	8-	81846	59626
279	62	22636	19668	6-	54528	19858	6-	62648	53768	80	01744	24484
285				27	81625	24687				6-	63638	26668
288	5-	61658	51668	52	61746	50468	5-	22748	51668	00	00890	21560
575	5-	51748	18158	62	62735	51568	5-	61746	57666	80	01843	24483
301	62	61734	22668	62	61624	20768	62	62748	20868	5-	01755	24565
321												
2.2	57	05646	22428	5-	05648	20658	5-	03748	20328	50	01743	20613
292	62	61634	51568	02	54438	53558	5-	61655	53665	50	01852	57662
310	--	02628	20528							--	01634	24514
614	52	625.45	51468	52	21545	20358	52	05546	53728	53	05644	59524

13h. G.M.T. 5th Feb. ... 18h. G.M.T. / 01h. G.M.T. 6th Feb. ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333				52	05645	51628	62	66534	55768	13	02754	25415
334	--	56037	26358	--	54537	28458						
340	52	028.45	29668	5-	51735	55558	5-	51648	22728	50	02754	26465
136	52	22634	20468	5-	02748	19528	5-	02848	20768	52	62846	20668
336				52	02644	20528				57	25644	28587
350	62	62751	53468	52	05645	53468	02	61648	20668	5-	64534	57468
368	52	22746	22568	62	51636	55658	02	62448	55668	02	62548	56568
379	5-	61628	24368	02	61628	53658	5-	21638	55768	62	54637	22568
390	52	62434	20368	52	21437	54568	5-	08448	53668	52	64446	53668
388	52	61866	20468	52	55518	22747	5-	63648	54668	52	64646	54568
438	82	02745	24538	82	02645	18528				5-	52638	20758
430	52	02755	26328	52	52637	53558	52	05646	55728	5-	62548	55768
409	52	02855	20728	52	02845	53627	5-	51648	53758	5-	63768	243-8

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 6th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	[illegible]	[illegible]	[illegible]	Kew 24 hours ended 7h. Max. Time 0·3 10h 5th. Min. Time 0·1 0–6h 6th.
Croydon ...	[illegible]	[illegible]	[illegible]	
Greenwich ...	[illegible]	[illegible]	[illegible]	
Camden Square	c	c	*	
Kensington ...	ocd	ocr	*	
Hampstead ...	od	or	or	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Today	Humidity 9h % Today
Kew	47	46	45	1	0·6	0·0	*	*
Croydon ...	48	47	35	1	1	0·0	*	*
Greenwich ...	48	48	44	0·5	3	0·0	83	91
Westminster ...	50	44	43	2			82	93
Regents Park ...	48	45	43	0·5	3		71	96
Camden Square	48	48	41	1	5	*	*	91
Kensington ...	50	47	44	Tr	2		91	91
Hampstead ...	46	44	42	1	2		*	99

Page 1 **BRITISH SECTION**

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

SECRET

Sunday 7th February 1943. No. 29662.

OBSERVATIONS at 13h. G.M.T. 6th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	09·0	+2	W	3	z0	48	75	40	6	2	1	4	4-6	9+	1500
	Croydon	10·6	+6	W'S	2	z0	48	85	44	6	5	7	2	4-6	9+	2000
	S. Farnborough	10·4	+2	W'S	5	c	47	75	41	8	7	7	4	4-6	10	2000
	Boscombe Down	11·3	+6	W	4	c-bc	47	75	40	8	2	7	4	2-3	7-8	2000
	Thorney Island	11·2	+4	SW'W	4	c	48	85	43	7	5	7	–	4-6	9	1500
	Lympne	09·8	-2	SW	3	c/r	46	92	44	8	8	–	8	9	9	6000
	Manston	08·9	+2	W'S	4	c/r	47	92	45	7	5	7	–	9	10	1700
2	Shoeburyness	09·4	+2	W	4	z0	48	85	42	6	5	2	–	4-6	10	800
	Felixstowe	07·4	+6	WSW	4	c	49	75	40	8	8	2	–	4-6	9	2500
	Gorleston	05·5	-4	NW'W	4	c	48	85	43	7	8	7	–	4-6	9	1300
	Mildenhall	06·8	+4	W'S	5	b-bc	47	65	37	8	2	7	2	Tr	2-3	2500
	Cranwell	05·5	+6	W'N	5	z0	48	65	35	6	1	–	–	2-3	2-3	3000
3	Birmingham	07·5	+2	W	4	bc	46	65	36	8	3	–	3	4-6	4-6	2500
	Upper Heyford	08·6	+4	W	4	c	47	65	36	8	2	3	8	7-8	9	2500
4	Ross-on-Wye	09·5	+4	W'S	4	b-bc	47	65	36	8	8	–	3	1	2-3	3500
5	Hartland Point	11·7	+4	WNW	4	c-bcjp	48	75	39	8	3	4	–	4-6	7-8	1200
	Bristol	11·4	+6	W	4	pr	48	85	41	7	2	–	–	4-6	4-6	4000
	Portland Bill	11·9	+8	SW	5	o/pr	47	92	45	7	3	–	–	10	10	2500
	Plymouth	13·8	+4	W'N	4	c-bc/pr	50	85	44	8	8	7	6	4-6	7-8	2500
	The Lizard	14·6	+8	WNW	6	bc/pr	47	75	38	8	2	9	–	4-6	4-6	2000
	Scilly (St. Mary's)	15·8	+12	NW'N	5	bc	49	75	41	8	6	4	3	2-3	4-6	1500
	Guernsey															
6	Pembroke	11·1	+6	W	6	bcq	47	85	41	8	2	6	–	4-6	4-6	2500
7	Holyhead (Valley)	07·7	+10	W	6	b-bc	47	65	37	8	2	4	–	2-3	2-3	2500
	Chester (Sealand)	07·2	+18	WNW	4	bc	47	65	35	8	8	–	–	4-6	4-6	3000
8	Manchester	06·8	+6	WSW	5	c/pr	45	75	37	7	2	6	–	7-8	9	2500
10	Spurn Head	03·3	+8	W	7	bcq	46	65	36	6	2	–	–	4-6	4-6	2500
	Catterick	02·0	+14	WNW	4	bc	45	85	39	9	3	6	3	2-3	4-6	2000
	Tynemouth	00·0	+16	W	6	bcq	45	75	37	7	2	4	–	2-3	4-6	2500
11	St. Abbs Head	98·1	+24	W	5	c-bc	42	97	42	7	5	4	–	4-6	7-8	3000
	Leuchars	98·6	+20	W	4	c	43	75	35	8	5	7	4	1	9	5000
12	Renfrew (Abbots I.)	01·7	+18	WSW	2	c	40	85	36	8	9	6	3	2-3	9	2000
	Eskdalemuir	01·8	+30	W'N	3	c	38	85	34	8	5	7	–	7-8	9	1100
	Point of Ayre	04·4	+14	WNW	6	b-bc	47	75	39	8	3	–	5	1	2-3	2000
13A	Tiree	01·1	+14	W	2	c/pr	42	85	37	8	3	6	–	9	9	2500
13B	Stornoway	00·3	+26	WNW	3	c/pr	42	65	31	8	3	–	3	7-8	9+	1800
15	Dalwhinnie	99·9	+24	W	3	c	40	65	30	8	5	4	–	7-8	9+	2500
	Aberdeen	97·3	+30	NW'W	6	c	41	85	35	8	5	7	–	4-6	9	2000
	Wick	97·4	+34	NE	4	pr	40	85	36	6	8	2	–	4-6	10	2000
16	Sumburgh	96·4	+46	N'E	6	c-bc/pr	38	92	36	8	8	6	8	4-6	7-8	2500
17	Blacksod Point	06·2	0	W'N	5	c	48	85	44	8	9	–	–	9+	9+	1500
18	Malin Head	02·3	+10	WNW	6	PHR	41	92	39	8	9	2	–	7-8	10	1500
	Aldergrove	04·8	+6	WSW	4	pr	41	85	36	8	8	–	–	9	9	2000
19	Birr Castle	07·8	-10	WSW	2	c-bc	45	75	37	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	13·3	+20	W'S	5	c-bc	48	75	40	8	2	–	–	7-8	7-8	2500
	Roches Point	13·3	+10	W'N	4	b-bc	46	85	42	8	3	–	3	1	2-3	1500

OBSERVATIONS at 18h. G.M.T. 6th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 6th (39)	Weather 13h.–18h. 6th (40)	Weather 18h. 6th to 1h. 7th (41)	Weather 1h.–7h. 7th (42)
London (Kew)	09·6	+8	WSW	3	z0	45	75	34	5	8	–	3	2-3	2-3	1500	1	*	r0rir0cz0	cbcz0	bm0	b,cmx
Croydon	10·4	+6	WSW	3	z0	44	85	40	5	4	4	–	1	2-3	3000		*	cm0	cm0bm0	bm0	bmbcm
S. Farnborough	10·5	+6	W'S	4	b	44	95	38	8	5	4	1	Tr	1	2500	1	*	cr0rm0r0c	bcb		bmcmx
Boscombe Down	11·8	+10	W'S	3	b/pr	40	85	36	7	2	6	1	Tr	1	2500	0	*	crrmcr0c	cbcpr0b	bbc	bbccprm0
Thorney Island	11·4	+4	W	3	b-bc	44	75	37	7	3	6	–	Tr	2-3	2500	1	*	cm0irrc	cbcb	bbm0	bm0bx
Lympne	10·3	+2	WSW	2	b	42	85	39	7	2	–	8	Tr	Tr	4000	1	3	m0ddcr	cbc	bbu	bux
Manston	09·5	+6	W	2	bc/pr	44	92	42	7	2	3	–	2-3	4-6	2000	1	*	cm0rr	cbcPR	bcbm0	bbcm0x
Shoeburyness	09·9	+4	W	3	z0	43	85	39	5	6	–	–	2-3	2-3	4000	1	*	crrm0cm0c	cm0cr0cm0		bcmx
Felixstowe	08·1	+6	SW'W	3	bc	44	75	35	7	3	7	–	2-3	4-6	4000	0	3	cr0r0m0cm0c	bccpr0bc	bcbm0	bm0cr0r0m0
Gorleston	06·9	+10	W'N	2	b-bc	45	75	37	7	–	4	–	0	2-3	–	1	3	c	bc	b	bccpr
Mildenhall	08·0	+14	WSW	3	b	42	75	35	7	4	–	–	Tr	Tr	5700	1	*	crramcbc	bcb	bbx	b,cr0r0m0
Cranwell	07·1	+16	W'S	4	z0	42	75	34	6	4	–	–	1	1	3000	1	*	cm0bcbm0	bm0bcb	bm0	cr0rmcmbm
Birmingham	08·4	+6	WSW	3	b	41	75	33	8	5	–	–	Tr	Tr	2500	1	*	cpr0bc	bcb	b,c	crc
Upper Heyford	08·9	+8	W	1	b	41	75	33	9	4	6	–	Tr	1	4000	0	*	c	cpr0bc	cm0bcb	bim0r0r0m0
Ross-on-Wye	10·1	+6	W'S	3	b	42	65	32	8	4	–	–	1	1	3000	1	*	ccbc	p0bcvb	bbcc	incbc
Hartland Point	12·1	+2	NW	4	bc/pr	45	75	35	8	2	–	–	2-3	4-6	2000	1	4	ir0bcc	bcphrbcpr	bcclph	cprbc
Bristol	11·8	+6	W'S	4	b	42	85	37	7	1	–	–	Tr	Tr	2500	1	*	cbc	bcpr0b	bcpr0bc	bcir0m0
Portland Bill	11·9	+2	W	4	c-bc	47	92	45	8	5	–	–	7-8	7-8	2500	1	5	orrpr	c	bc	bcc
Plymouth	14·2	+6	W	3	b-bc	46	75	39	8	2	–	–	2-3	2-3	2000	1	3	cpr0m0c	bcpr0	bc	bcpr0bc
The Lizard																		oprbc		cprc	cprbc
Scilly (St. Mary's)	15·3	+2	W'N	6	bc	46	75	38	8	8	6	–	4-6	4-6	1500	1	5	cpbc	bcpbc	lpqcbc	bcprb
Guernsey																					
Pembroke	10·8	0	W'S	6	b-bcq	46	85	42	8	2	4	–	2-3	2-3	2500	1		bcq	bcqb	bcqlprc	cqpr0c
Holyhead (Valley)	07·4	0	W'S	5	c-bc	45	75	38	8	8	6	–	4-6	7-8	2000	1	4	b	cpr0	cpr0	bbcc
Chester (Sealand)	07·4	0	W	2	c-bc/r	43	75	37	8	2	7	–	2-3	7-8	2500	1	*	bcq	bcqr0r0	bcidrro	rrbccm
Manchester	07·5	+6	SW'W	3	c	43	75	36	8	2	6	–	7-8	9	2500	1	*	bccpr0	pr0n0bc	crrm	cbcbm0
Spurn Head	05·4	+4	W'N	5	b-bc	44	75	35	7	7	4	–	2-3	2-3	2500	0	4	bcqm0	bc	c	cqphbcq
Catterick	05·4	+14	W	2	bc	41	75	35	8	3	3	–	4-6	4-6	2000	1	*	pr0vbc	bc	bcblx	cir0bc
Tynemouth	03·5	+40	W	4	bc	41	85	36	6	2	3	–	2-3	4-6	2500	1	3	bcq	bcqcbc	cbcp	c
St. Abbs Head	02·3	+22	W	4	bc	43	85	38	7	5	4	–	2-3	4-6	3000	0	4	bcc	cbc	bcor0b	bbcc
Leuchars	02·9	+22	NW	4	c	41	75	34	8	5	7	–	4-6	9+	2500	1	*	bbcc	cbcc	cccir0c	bcb
Renfrew (Abbots I.)	05·1	+30	W'S	1	z0	38	92	36	6	8	7	–	4-6	7-8	2000	2	*	cr0r0phpr	pr0bcm0	bcpr0cm0c	bm0cbzbx
Eskdalemuir	04·6	+22	W'S	2	c-bc/pr	36	92	35	6	5	7	–	4-6	7-8	1100	1	*	cpr0rsr0	cbcr0scp	cox	bx
Point of Ayre	04·7	+4	NW	4	c/pr	42	92	39	8	9	–	8	4-6	9+	1500	1	4	bbcb	bccpr	ir0bbc	cbbcc
Tiree	05·0	+22	NW	2	bc/pr	40	85	35	8	3	–	–	4-6	4-6	2500	1	2	cpr0c	vpr0bc	cprprbx	bps0bc
Stornoway	08·1	+66	NE	7	c	41	65	31	8	8	6	–	7-8	9+	1500	1		bcpr0c	scr0r0f	cps0cbc	cpsbccps
Dalwhinnie	04·2	+26	NNW	2	prs	33	97	32	5	5	–	–	10	10	2500	1	*	cpr0	cprso	*	cpsc
Aberdeen	03·2	+40	NW	3	c	37	92	35	8	5	7	–	7-8	9+	3000	1	3	cir0c	cp0irc	circr0c	cpsb
Wick	04·7	+30	N'E	5	bc	38	65	27	8	5	–	–	4-6	4-6	2000	1	*	cpr0	cphrcbc	bcpsb	bcbps
Sumburgh	04·2	+46	N	5	c	34	65	25	8	8	–	–	4-6	9	2500	1	3	cbcpr0c	cps0c	bcbps0	cph0sps0
Blacksod Point	08·0	+28	WNW	3	bc/pr	45	92	43	8	9	–	–	4-6	4-6	2500	3	3	c	pr	pr	bc
Malin Head	04·4	+22	W	2	b-bc	41	85	37	8	5	–	–	2-3	2-3	2500	2	3	pr	pr	pr	pr
Aldergrove	05·4	+8	W'S	1	c	34	92	32	9	9	6	–	9	9+	1800	1	*	ccpr0	crrpr0	cbcbbx	bxcidm
Birr Castle	07·0	-6	W	2	c	41	85	37	8	8	7	–	7-8	9	1500	1	*	pr	pr	*	c
Valentia Obsy.	13·4	+10	WNW	5	pr	46	75	38	8	8	–	–	9+	9+	2500	1	5	pr	pr	pr	bc
Roches Point	11·1	-10	W	4	bc	46	85	42	8	3	–	3	4-6	4-6	1500	1	4	bc	pr	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 7th February

DISTRICTS.

1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England:

Moderate northwesterly winds backing west to southwest. Mainly fair or fine with well broken low cloud, little at night. Scattered snow showers in East Coast areas. Good visibility, poor locally in industrial areas. Cold with Keen to hard frost tonight.

6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England:

Moderate northwest wind backing southwest. Fair with well broken cloud; scattered snow showers in extreme east at first becoming cloudy tomorrow. Good visibility poor locally. Cold with Keen to hard frost.

11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B 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:

Moderate northwest wind, fresh to strong in sixteen at first backing southwest to south southwest. Wintry showers in north at first otherwise fair to fine with well broken cloud. Deterioration in Ireland latter part of night spreading to Scotland by noon tomorrow, will give rain and drizzle but possibly snow on high ground at first. Very good visibility, moderate in rain; cold but very cold in north at first becoming milder tomorrow. Keen to hard frost in many areas tonight.

GENERAL INFERENCE

Small anticyclone west of Ireland moving rather quickly south southeast. Depression southeast Greenland moving northeast and associated troughs approaching British Isles tonight. Apart from wintry showers in North and NorthEast Scotland, and temporarily in east coast areas this afternoon, it will be fair or fine with well broken cloud for a good deal of the period. A deterioration is expected in North Ireland and West Scotland later tonight spreading to most of Scotland and North England by noon. It will be cold, very cold in extreme north. Keen to hard frost is likely in many areas tonight becoming milder in Ireland and Scotland tomorrow.

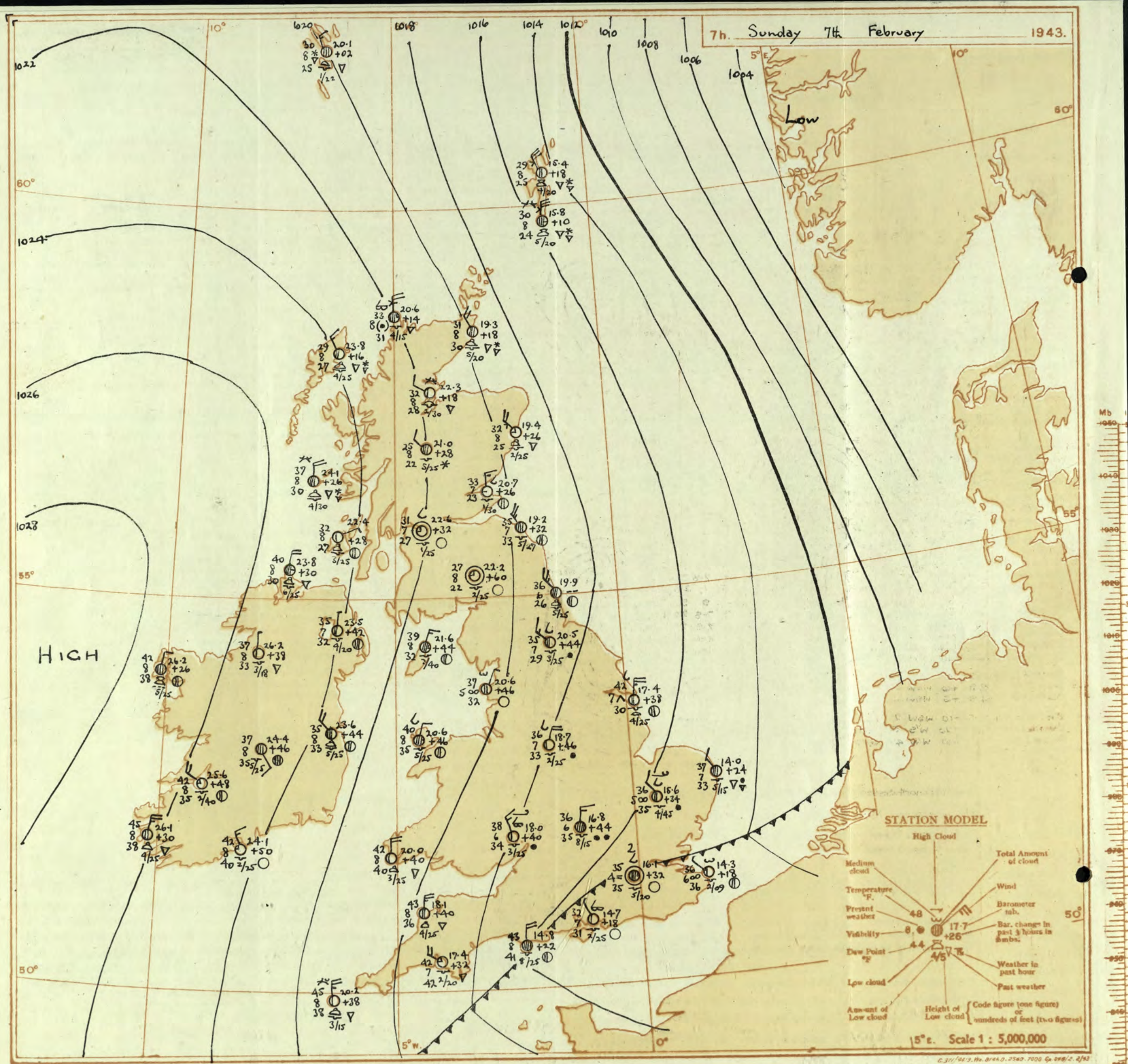
FURTHER OUTLOOK

Becoming milder with rain or drizzle spreading across British Isles.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Sunday 7th February 1943.



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

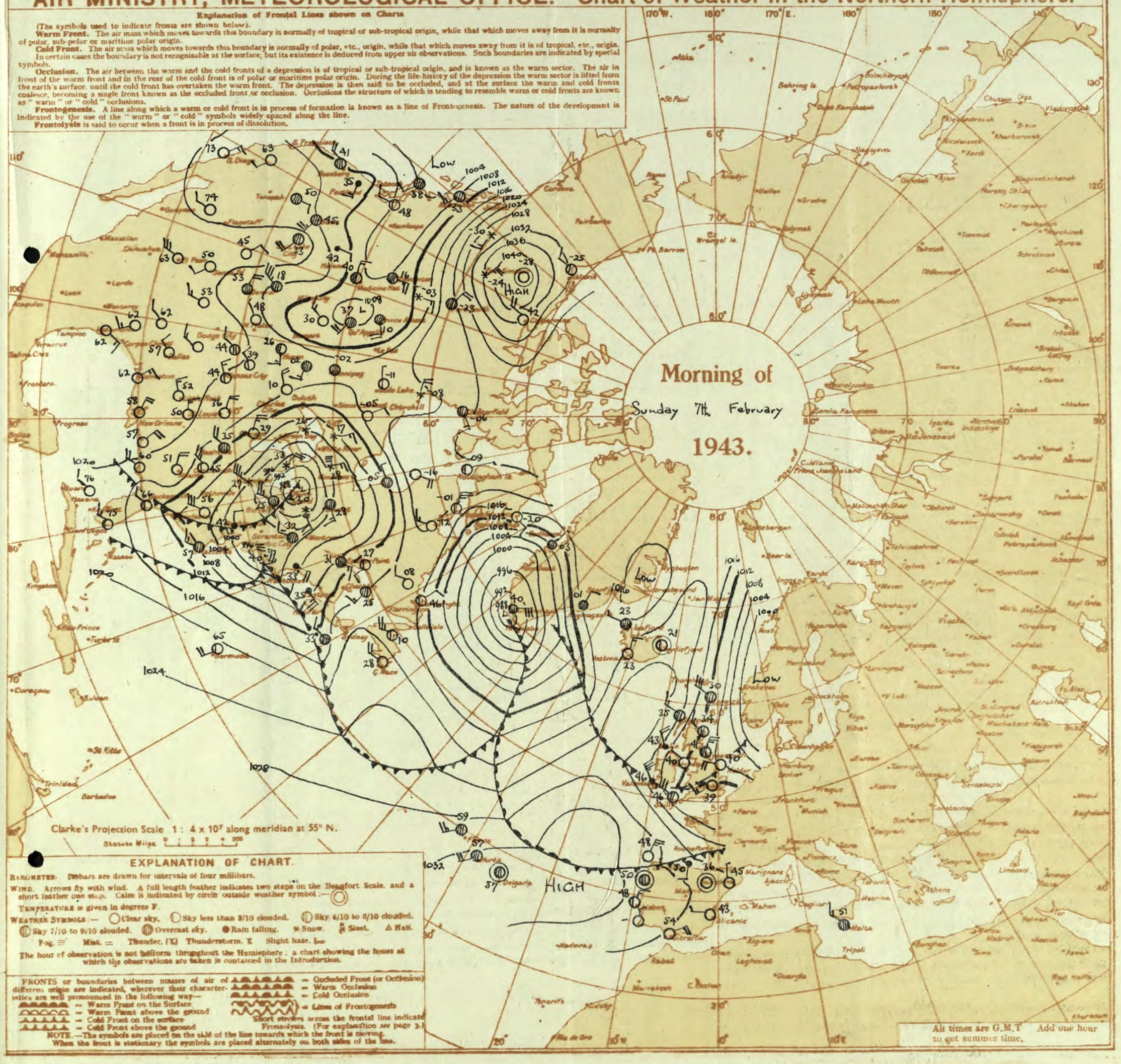
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Sunday 7th February 1943

No. 29662

OBSERVATIONS at 1 hr. G.M.T. 7th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon ...	290	12·4	+2	WSW	3	z_o	39	92	37	5	-	-	-	0	0	-
	S. Farnborough	226	12·8	-2	W	4	b	37	92	35	7	-	-	-	0	0	-
	Boscombe Down	417	13·3	+6	S'W	1	bc	35	97	33	7	5	-	-	4-6	4-6	2500
	Thorney Island	10	12·8	0	W	1	z_o	39	92	36	6	-	-	-	0	0	-
	Lympne ...	283	12·8	+6	W	2	b°	35	97	34	7	-	-	-	0	0	-
	Manston ...	154	11·8	+8	WSW	2	z_o	37	92	35	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	11·0	+8	SW'W	3	z_o	38	85	35	6	-	-	-	0	0	·
	Gorleston ...	5	09·7	+12	WNW	2	b	37	92	35	7	-	4	-	0	1	-
	Mildenhall ...	15	10·4	+8	SW'W	3	b-bc	35	92	35	7	-	4	-	0	2-3	-
	Cranwell ...	203	10·0	+16	W	3	ir_o	38	92	35	6	5	-	-	10	10	1600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·2	+6	SW	1	b	35	97	34	7	5	4	-	Tr	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·6	0	NW	5	c-bc	45	85	39	8	3	-	-	7-8	7-8	1500
	Bristol ...	209	12·2	+2	SW'W	2	pr_o	41	85	38	7	3	-	-	7-8	7-8	2800
	Portland Bill ...	32	12·6	+6	W	4	bc	46	92	44	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	14·1	-2	W	4	PR	45	92	43	6	8	-	-	10	10	2000
	The Lizard ...	240	14·5	-4	WNW	6	c-bc/pr	45	85	40	7	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	15·7	0	NW	6	bc	46	75	39	8	8	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	11·9	+10	WNW	5	c-bcq	45	92	43	8	2	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	11·8	+34	NW	1	b	40	92	38	7	5	-	-	Tr	Tr	2000
	Chester (Sealand)	16	10·8	+34	N'W	1	rr	40	92	39	6	-	2	-	10	10	2000
8	Manchester ...	235	11·4	+22	ESE	1	c/r	35	97	34	6	6	2	-	7-8	10	1000
10	Spurn Head ...	29	09·8	+16	W'N	4	c-bc	40	85	35	6	5	-	-	7-8	7-8	1500
	Catterick ...	175	11·8	+38	NW	3	bc	38	85	34	7	5	-	-	4-6	4-6	2000
	Tynemouth ...	108	10·8	*	NNE	5	c/pr	41	85	35	6	8	-	-	9	9	2500
11	St. Abbs Head	280	11·9	+50	N	5	b-bc	38	85	33	7	5	-	-	2-3	2-3	2500
	Leuchars ...	36	14·3	+46	NNE	1	bc	37	75	28	7	5	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	14·9	+48	ENE	2	bc	39	75	30	7	8	3	-	4-6	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	12·6	+40	NE'N	4	bc	43	75	36	8	5	-	-	4-6	4-6	5000
13A	Tiree ...	44	17·7	+54	N'E	5	bc	39	85	34	8	8	6	8	2-3	4-6	2500
13B	Stornoway ...	15	20·0	+42	NW	3	c-bc	35	85	31	8	8	-	-	7-8	7-8	2100
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·0	+38	NNW	3	bc	34	75	27	8	8	-	-	4-6	4-6	4000
	Wick ...	114	15·1	+38	NNE	6	bc	33	92	30	8	3	-	-	4-6	4-6	2000
16	Sumburgh ...	19	12·0	+30	WSW	6	ps_o	29	92	27	7	9	-	-	4-6	9	800
17	Blacksod Point	18	17·9	+50	NNW	7	bc/pr	44	85	40	8	9	-	-	4-6	4-6	2500
18	Malin Head ...	84	15·8	+54	N	4	pr_o	43	92	39	8	9	2	-	7-8	10	2500
	Aldergrove ...	268	14·5	+40	-	0	z_o	34	97	32	6	5	-	-	1	1	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·9	+34	N'W	7	pr_o	46	75	39	8	3	-	-	9	9	2500
	Roches Point	22	14·5	+16	WNW	5	bc	43	85	39	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 7th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15·7	+34	N'W	2	z_o	37	92	34	6	5	1	-	4-6	10	1500	1	*
Croydon	16·1	+32	-	0	m	35	97	35	4	5	4	6	7-8	9+	2000	1	*
S. Farnborough	16·0	+28	NW	3	z	33	97	33	6	5	7	-	7-8	9+	2000	3	*
Boscombe Down	16·2	+30	N	3	c/pr	35	97	34	6	5	2	-	7-8	9+	1500	1	*
Thorney Island	14·7	+18	NNW	1	b-bc	32	92	31	7	5	7	-	1	2-3	2500	1	*
Lympne	15·3	+18	WNW	2	c-bc	32	97	31	7	4	-	2	7-8	7-8	3500	3	§2
Manston	14·3	+18	NW'W	1	z_o	36	97	36	6	5	3	-	1	2-3	900	1	*
Shoeburyness	15·6	+26	NW	3	z_o	36	92	34	6	5	4	-	2-3	4-6	2500	1	*
Felixstowe	14·8	+28	NW	4	$r_o r_o$	37	85	34	5	5	7	-	7-8	10	1500	1	3
Gorleston	14·0	+24	N'W	2	c-bc/pr	37	85	33	7	5	-	-	7-8	7-8	1500	1	3
Mildenhall	15·6	+34	NNW	2	z_o	36	97	35	5	5	4	2	4-6	4-6	4500	1	*
Cranwell	17·2	+34	N'W	2	z_o	36	92	34	6	5	-	-	Tr	Tr	3500	1	*
Birmingham	18·5	+44	NNE	3	z_o	37	85	34	6	6	-	-	9+	9+	800	1	*
Upper Heyford	16·8	+44	N'E	3	°/r	36	97	35	6	5	-	-	10	10	1500	1	*
Ross-on-Wye	18·0	+40	N'W	3	b-bc	38	85	34	6	5	7	1	2-3	2-3	2500	1	*
Hartland Point	18·1	+40	N	5	bc	43	75	36	8	2	-	-	4-6	4-6	2500	1	4
Bristol	17·7	+48	NNE	3	id_o	38	97	36	6	5	2	-	9	10	1500	1	*
Portland Bill	14·8	+22	N	4	c	43	92	41	8	5	-	-	10	10	2500	1	5
Plymouth	17·4	+32	NW	4	b	42	97	42	7	5	-	-	1	1	2000	1	3
The Lizard	18·3	+28	NW	3	bc	41	85	36	8	2	-	-	4-6	4-6	500	1	3
Scilly (St. Mary's)	20·2	+38	N	5	b-bc	45	75	38	8	8	6	-	2-3	2-3	1500	1	5
Guernsey																	
Pembroke	20·0	+40	N	4	b-bc	42	92	40	8	2	-	-	2-3	2-3	2500	1	3
Holyhead (Valley)	20·6	+46	NNE	2	c	40	85	35	8	5	4	-	7-8	9	2500	1	3
Chester (Sealand)	21·0	+50	NNW	1	c-bc	36	92	33	6	5	3	-	2-3	7-8	4000	1	*
Manchester	19·7	+46	N'W	2	z_o	36	85	32	6	5	-	-	2-3	2-3	2500	1	*
Spurn Head	17·4	+38	N'E	5	bcq	42	65	30	7	7	4	-	4-6	4-6	2500	1	4
Catterick	20·5	+44	NW	3	bc	35	75	29	7	5	4	-	2-3	4-6	2500	1	*
Tynemouth	19·9	*	NNW	5	c-bc	36	65	26	6	8	-	-	7-8	7-8	2800	1	5
St. Abbs Head	19·2	+32	NNW	5	c-bc	35	92	33	7	5	-	-	7-8	7-8	2700	0	5
Leuchars	20·7	+26	N	3	b	33	65	23	7	5	4	-	Tr	Tr	3000	2	*
Renfrew (Abbots I.)	22·6	+32	-	0	b	31	85	27	7	5	4	-	Tr	1	2500	2	*
Eskdalemuir	22·2	+60	...	0	b	27	85	22	8	5	-	-	1	1	2500	3	*
Point of Ayre	21·6	+44	NE'N	3	c	39	75	32	8	5	-	-	9+	9+	4000	1	4
Tiree	20·1	+26	N	4	c-bc/ps	37	75	30	8	8	6	-	4-6	7-8	3000	1	4
Stornoway	23·8	+16	NNW	3	bc/ps	29	97	27	8	8	-	-	4-6	4-6	2500	4	2
Dalwhinnie	21·0	+28	NNW	2	c-bc	25	92	22	8	5	-	-	7-8	7-8	2500	8	*
Aberdeen †	19·4	+26	NNW	4	b	32	75	25	8	8	-	-	1	1	2500	4	3
Wick	19·3	+18	NNW	4	c-bc/ps	31	97	30	8	8	-	-	7-8	7-8	2000	4	*
Sumburgh	15·8	+10	N	6	c/ps	30	75	24	8	3	6	-	7-8	9	2000	4	4
Blacksod Point	26·2	+26	N'E	2	c-bc	42	85	38	8	9	-	-	7-8	7-8	2500	2	3
Malin Head	23·8	+30	N'E	4	c	40	65	30	8	8	-	-	9	9	2500	2	4
Aldergrove	23·5	+42	N	1	bc	36	85	32	7	5	-	-	4-6	4-6	2000	1	*
Birr Castle	24·4	+46	SSE	2	c-bc	37	92	35	8	5	-	-	7-8	7-8	450	1	*
Valentia Obsy.	26·1	+30	N'E	5	bc	45	75	38	8	2	-	-	4-6	4-6	2500	1	4
Roches Point	24·1	+50	NNW	3	b	42	92	40	8	5	-	-	1	1	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 6th Hrs. (38)
London (Kew)	49	34	19	3	Tr	1·2
Croydon	49	34	27	3	-	1·2
S. Farnborough	49	29	21	2	Tr	2·1
Boscombe Down	49	32	26	2	Tr	3·1
Thorney Island	50	31	25	4	Tr	*
Lympne	48	30	26	5	-	0·0
Manston	48	34	30	2	-	0·0
Shoeburyness	50	35	29	2	-	0·0
Felixstowe	50	36	32	1	6	1·2
Gorleston	50	35	31	2	Tr	2·4
Mildenhall	49	35	30	2	1	0·0
Cranwell	48	36	33	-	1	7·2
Birmingham	47	35	32	0·1	7	5·8
Upper Heyford	49	32	28	Tr	2	*
Ross-on-Wye	49	37	31	Tr	2	5·4
Hartland Point	48	42	39	0·6	1	3·8
Bristol	49	38	33	Tr	1	3·6
Portland Bill	49	41	*	6	1	*
Plymouth	50	42	32	2	2	3·4
The Lizard	49	40	*	1	0·5	4·5
Scilly (St. Mary's)	50	43	*	2	0·4	4·3
Guernsey						
Pembroke	48	40	*	-	0·5	5·8
Holyhead (Valley)	48	37	34	0·1	2	*
Chester (Sealand)	49	36	30	1	2	7·5
Manchester	45	33	28	0·3	10	*
Spurn Head	47	37	*	-	0·6	
Catterick	46	33	30	Tr	Tr	7·9
Tynemouth	45	36	33	-	0·1	*
St. Abbs Head		34	*	-	0·3	*
Leuchars	44	32	25	-	0·5	0·9
Renfrew (Abbots I.)	44	31	27	3	Tr	1·6
Eskdalemuir	43	27	20	6	-	1·6
Point of Ayre	47	39	*	0·4	0·3	5·6
Tiree	46	36	34	0·2	1	3·2
Stornoway	43	29	25	5	1	*
Dalwhinnie	41	24	19	0·5	1	1·4
Aberdeen †	42	31	26	1	0·5	0·0
Wick	41	30	29	6	0·4	*
Sumburgh	41	28	27	0·2	0·2	3·2
Blacksod Point	48	40	*	3	1	*
Malin Head	46	39		2	2	1·8
Aldergrove	44	30	22	1	0·4	2·5
Birr Castle	46	33	27	5	-	2·1
Valentia Obsy.	49	43	40	1	1	4·0
Roches Point	47	42	*	1	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III $C_L C_M$ (13h. G.M.T. 6th Feb.)	wwVhN$_h$	DDFWN	$C_L C_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	$C_L C_M$ (01h. G.M.T. 7th Feb.)	wwVhN$_h$	DDFWN	$C_L C_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109 87	10754	32527	87	27752	31784	50	26654	62784	30	26754	64684
115 52	62745	32888	52	02844	37527	37	27844	65585	57	10844	65587
203			9-	61838	06468	80	01944	32584	8-	85846	32426
206 87	02864	24387	86	02854	30287	20	83853	28383	46	01862	26283
210 57	22955	25468	37	22655	01467	5-	01863	64523	86	02865	28385
220 30	88856	32116	80	27746	31286				90	83745	32584
230 36	02953	20225	3-	25954	00084	9-	02856	02426	5-	01863	28323
245 24	02964	22325	8-	81858	30388	46	01853	31383	84	01563	24113
260 54	05655	57315	51	05563	23314	51	05665	00026	50	05663	32113
278 97	02847	23487	96	02843	25386	50	01852	32322	57	02856	03327
279 26	81755	24485	86	81875	26387	50	05661	04212	83	02754	02325
285 97	85745	24687									
288 8-	02857	23617	24	01853	22384	52	51655	30412	54	05663	28463
575 8-	81747	23287	30	25853	28183	50	01853	00003	50	01843	32183
301 8-	02866	57416	9-	25644	24486	04	05690	02163	03	05590	02104
321											
2[illegible] 24	01754	20514	80	01753	24313	50	01753	24313	80	14754	32614
292 36	01964	57614	46	02864	61385	40	01774	30384	40	01874	31384
310											
614 2-	05655	55525	20	05653	22313	52	51666	24328	50	05553	65323
333 23	01853	56513	86	81855	24517	51	05654	26284	50	01763	00003
334 --	02645	28516	--	02743	28515						
340 86	01854	23414	40	01853	24383	5-	62558	28128			
136 23	01764	22564	43	01752	24414	50	01764	22214	5-	22767	01367
330 53	01754	24515	20	01753	24413						
350 27	02854	24425	04	01790	24281	50	05662	20102			
368 23	01854	24414	50	00753	26313	80	27663	26283	50	00663	32103
379 27	02854	24324	10	00741	26311	50	05651	22201	6-	03645	01578
390 27	02744	24325	30	05651	24311	00	05590	22200	57	05565	26117
382 87	02865	57426	04	01890	25301	50	01764	00014	52	62546	32368
438 5-	62648	22668	87	01763	22514	00	00790	22400	50	01753	32313
430 54	05646	22327	03	01790	14313	50	05652	24202	50	05653	00003
409 36	10843	24564	36	10855	58585	36	01864	26585	36	25854	31584

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 7th February.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	r_o r iv_o cz_o	cbcz_o	bm_o cm_o x
Croydon ...	cm_o	cm_o bm_o	bm_o bcm_o
Greenwich ...	rc	cbcpb	bc
Camden Square	c	c	*
Kensington ...	crbc	bc	*
Hampstead ...	bcor	o	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0·3 20h on 6th
Min. Time <0·1 2-4h on 7th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	49	34	19	3	Tr	1·2	*	*
Croydon ...		34	27		-	1·2	*	*
Greenwich ...	49	34	27	0·3	-	0·8	66	88
Westminster ...	50	34	30	0·3		·	65	88
Regents Park ...								
Camden Square	49	35	29	1	-	*	*	89
Kensington ...	50	*	25	Tr	0·1		70	85
Hampstead ...	47	33	28	2	-		*	92

BRITISH SECTION

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

SECRET

Monday 8th February 1943

No. 29663

OBSERVATIONS at 13h. G.M.T. 7th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·6	+34	NNE	4	z_0	43	55	28	6	2	–	–	7-8	7-8	1500
	Croydon ...	23·7	+30	NNE	4	z_0	43	65	33	6	2	–	1	7-8	7-8	2500
	S. Farnborough	24·2	+30	N'E	4	c-bc	45	65	33	8	8	–	–	7-8	7-8	2500
	Boscombe Down	24·9	+36	N	3	bc	43	65	34	8	2	–	–	4-6	4-6	4000
	Thorney Island	23·3	+38	NNE	4	z_0	45	56	32	6	2	–	–	Tr	Tr	1500
	Lympne ...	22·2	+30	N	3	bc	43	65	33	8	1	–	–	4-6	4-6	4000
	Manston ...	22·1	+38	N'E	4	c-bc	45	65	34	8	2	–	6	7-8	7-8	2500
2	Shoeburyness ...	23·1	+28	NNW	3	c-bc	46	65	33	8	5	–	–	7-8	7-8	2500
	Felixstowe ...	22·6	+34	NNW	4	c-bc	44	92	42	8	5	7	–	4-6	7-8	4000
	Gorleston ...	22·4	+38	N	4	b-bc	42	75	38	7	8	–	–	2-3	2-3	2500
	Mildenhall ...	23·7	+34	N	5	c-bc	42	75	33	9	2	6	–	4-6	7-8	2500
	Cranwell ...	24·4	+26	NNW	4	b	40	75	32	7	1	–	1	Tr	Tr	2500
3	Birmingham ...	25·6	+26	NNW	3	z_0	39	75	31	6	7	–	–	4-6	4-6	2500
	Upper Heyford	24·7	+34	NE'N	3	z_0	42	65	31	6	1	–	–	7-8	7-8	2600
4	Ross-on-Wye	25·9	+30	N	3	bc	42	65	30	7	1	–	–	4-6	4-6	3500
5	Hartland Point	26·0	+38	NE	4	b-bc	45	75	36	8	1	–	–	2-3	2-3	3000
	Bristol ...	26·5	+42	NE'N	4	bc	42	75	34	6	1	–	–	4-6	4-6	2500
	Portland Bill ...	24·8	+42	NE	4	c-bc	45	92	43	8	2	4	–	4-6	7-8	4000
	Plymouth ...	26·4	+34	NE'N	4	bc	45	75	37	8	7	–	–	4-6	4-6	3000
	The Lizard ...	25·8	+28	NNW	4	bc	47	65	35	8	2	3	–	2-3	4-6	2500
	Scilly (St. Mary's)	27·2	+26	N'E	4	bc	48	75	39	8	1	–	–	4-6	4-6	1500
	Guernsey ...															
6	Pembroke ...	27·2	+24	ESE	1	b-bc	46	85	40	8	2	4	–	2-3	2-3	3000
7	Holyhead (Valley)	27·5	+26	NE'N	2	cjp	41	65	29	9	8	3	–	9	9+	3500
	Chester (Sealand)	26·9	+22	NNE	3	b-bc	41	55	25	8	–	3	–	0	2-3	–
8	Manchester ...	26·5	+26	NNW	3	z_0	38	65	27	6	1	–	–	2-3	2-3	2500
10	Spurn Head ...	24·4	+30	NW	6	cq	39	65	28	7	8	6	–	4-6	9	1500
	Catterick ...	26·2	+18	NNW	3	c-bcjp	38	65	26	8	1	3	–	4-6	7-8	3000
	Tynemouth ...	25·4	+2	NW	4	bc	36	75	27	7	2	–	–	4-6	4-6	2800
11	St. Abbs Head	23·5	+14	NW	4	bc	36	97	34	7	1	–	–	4-6	4-6	3500
	Leuchars ...	24·8	+12	W'N	2	bc	37	55	24	9	8	3	1	2-3	4-6	3500
12	Renfrew (Abbots I.)	26·6	+18	WNW	3	bc	39	65	28	9	1	–	5	2-3	4-6	2500
	Eskdalemuir ...	26·3	+14	NW'N	3	b	35	55	21	8	1	–	–	1	1	2700
	Point of Ayre ...	27·4	+18	N	2	b	40	55	26	8	7	–	–	1	1	4000
13A	Tiree ...	27·4	+10	NW	1	c-bc	41	65	32	9	1	–	5	2-3	7-8	3000
13B	Stornoway ...	24·7	+2	SW	3	c	37	75	31	8	5	–	5	9	10	3000
15	Dalwhinnie ...	25·5	+10	NW	3	b-bc	31	85	28	8	8	–	–	2-3	2-3	4000
	Aberdeen ...	24·0	+20	NW	4	bc/ps	34	85	30	8	8	6	6	4-6	4-6	2000
	Wick ...	22·1	+10	W'N	4	bc/ps	36	75	27	9	8	6	5	4-6	4-6	2500
16	Sumburgh ...	19·1	+10	NW'N	5	c	33	65	22	8	8	6	–	7-8	9	2500
17	Blacksod Point	29·7	+10	S'W	1	bc	46	75	38	8	8	–	6	2-3	4-6	4000
18	Main Head ...	27·3	+12	NW'N	3	bc	42	65	31	8	2	–	1	4-6	4-6	2500
	Aldergrove ...	28·7	+14	WSW	2	c	40	65	28	9	7	4	5	7-8	9	5000
19	Birr Castle ...	29·5	+14	NNE	1	bc	45	65	34	8	–	3	–	0	4-6	–
20	Valentia Obsy.	30·6	+8	NE'E	2	c	47	65	36	9	7	–	2	1	9+	2500
	Roches Point	29·7	+24	N	[illegible]	bc	45	85	41	8	1	–	5	1	4-6	4000

OBSERVATIONS at 18h. G.M.T. 7th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	27·9	+20	NNW	2	z_0	38	65	28	5	5	–	–	2-3	2-3	2500	2	•
	Croydon ...	28·1	+16	NNW	1	m	38	85	33	4	5	4	–	2-3	4-6	2500	1	•
	S. Farnborough	28·7	+28	N'W	3	z_0	38	65	28	6	5	–	–	2-3	2-3	3000	1	•
	Boscombe Down	28·9	+26	N'W	2	z_0	38	75	30	6	5	4	–	Tr	2-3	2500	0	•
	Thorney Island	28·2	+34	NNW	2	z_0	39	65	28	6	5	3	–	4-6	9	4000	1	•
	Lympne ...	27·1	+30	NNW	3	bc	38	85	34	8	4	–	–	2-3	4-6	3000	1	1
	Manston ...	26·4	+24	N'E	4	c-bc	39	75	31	7	2	3	–	4-6	7-8	2000	1	•
2	Shoeburyness ...	27·1	+24	NNW	3	c-bc	42	85	37	7	5	–	–	7-8	7-8	2500	1	•
	Felixstowe ...	26·6	+26	NW'W	4	bc	37	75	29	7	5	–	–	4-6	4-6	5700	1	3
	Gorleston ...	26·2	+36	N	3	c-bc	37	92	35	7	7	7	–	7-8	7-8	1800	1	3
	Mildenhall ...	27·5	+22	NW'N	2	b	34	85	30	7	4	–	–	Tr	Tr	4000	1	•
	Cranwell ...	28·1	+18	NW	2	b	34	75	27	7	–	–	1	0	Tr	–	1	•
3	Birmingham ...	28·4	+8	NW	2	m	34	75	26	4	–	–	–	0	0	–	1	•
	Upper Heyford	28·2	+16	N'W	1	z_0	34	75	28	6	–	4	1	0	2-3	–	1	•
4	Ross-on-Wye	28·6	+16	N	2	z_0	37	65	24	6	5	–	1	Tr	1	3000	1	•
5	Hartland Point	28·8	+16	S	4	bc	42	75	36	8	4	4	1	2-3	4-6	3000	1	3
	Bristol ...	28·4	+20	NNE	1	m	36	75	29	4	5	–	–	2-3	2-3	4000	1	•
	Portland Bill ...	28·9	+20	N	2	c	41	92	39	7	5	–	–	9	9	2500	1	4
	Plymouth ...	29·3	+22	ESE	1	z_0	42	85	36	5	1	–	1	1	2-3	3000	1	2
	The Lizard ...	29·2	+20	N	3	bc	41	85	37	8	7	3	–	4-6	4-6	2500	1	3
	Scilly (St. Mary's)	29·4	+14	NE'N	2	c	46	75	36	8	8	4	–	7-8	9	1200	1	3
	Guernsey ...																	
6	Pembroke ...	29·1	+10	NNE	2	c-bc	42	92	39	8	8	4	–	7-8	7-8	2500	1	3
7	Holyhead (Valley)	28·3	+4	–	0	c	36	85	30	9	5	–	7	Tr	10	5000	1	1
	Chester (Sealand)	28·6	+10	NNW	2	b-bc	33	75	28	7	–	–	2	0	2-3	–	1	•
8	Manchester ...	28·6	+16	WNW	2	m	31	85	26	4	–	–	5	0	4-6	–	1	•
10	Spurn Head ...	27·3	+14	NW'N	5	bc	37	65	25	7	7	3	1	2-3	4-6	1500	0	4
	Catterick ...	28·3	+14	WNW	2	b-bc	33	75	25	7	5	–	8	1	2-3	3000	1	•
	Tynemouth ...	27·1	+14	NW	4	bc	35	75	27	6	–	4	–	0	4-6	–	1	5
11	St. Abbs Head	24·5	+10	W	3	bc	35	97	35	7	5	–	–	4-6	4-6	3000	0	4
	Leuchars ...	25·4	+2	WSW	3	c-bc	33	75	28	8	5	4	8	2-3	7-8	3000	3	•
12	Renfrew (Abbots I.)	26·3	-2	WSW	2	c	36	75	28	7	5	7	–	4-6	9	2000	2	•
	Eskdalemuir ...	27·1	0	WNW	1	c	29	75	20	8	5	7	8	2-3	9	2100	3	•
	Point of Ayre ...	27·9	0	–	0	c-bc	38	65	22	8	4	–	6	Tr	7-8	4500	0	1
13A	Tiree ...	24·7	+10	SW	2	c	39	75	31	9	4	1	–	Tr	10	2500	1	•
13B	Stornoway ...	20·1	-22	SSW	5	c	39	85	35	8	5	7	–	1	10	1800	4	3
15	Dalwhinnie ...	24·5	-2	W	1	0	31	92	25	8	8	2	–	2-3	10	2500	8	•
	Aberdeen ...	24·4	+4	WNW	2	z_0	34	65	24	6	–	4	6	0	4-6	–	4	•
	Wick ...	21·7	-1	SW'W	3	c-bc	34	75	26	8	8	7	–	4-6	7-8	2500	4	•
16	Sumburgh ...	19·1	-2	WNW	3	ps	35	65	25	8	4	7	–	7-8	10	2500	4	4
17	Blacksod Point	27·2	-10	SSW	2	bc	44	75	36	8	8	–	6	4-6	4-6	4000	1	2
18	Main Head ...	25·6	-10	SSW	2	c	39	92	37	8	8	1	–	4-6	10	2500	2	3
	Aldergrove ...	27·9	-6	SSW	1	c	37	85	32	9	–	7	6	0	10	–	1	•
19	Birr Castle ...	28·8	-4	WSW	1	bc	38	75	30	8	–	7	–	0	4-6	–	1	•
20	Valentia Obsy.	29·9	+2	S	2	c	43	78	35	9	7	7	8	2-3	9+	4000	1	2
	Roches Point	29·8	0	NNE	2	b-bc	42	85	38	8	5	–	5	1	2-3	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 7th (30)	Weather. 13h.—18h. 7th (40)	Weather. 18h. 7th to 1h. 8th (44)	Weather. 1h.—7h. 8th (42)
1	London (Kew)	cbcm₀y	bcm₀	bcmbmx	bbcm
	Croydon ...	cm₀cz₀	cz₀bcz₀	bf bf	bfx bcmx
	S. Farnborough	cm₀cir₀bcmc	cbcybcbz₀	bzmbbm₀	bmmbcmx
	Boscombe Down	cm₀cbcbbc	cbm₀	bm₀	bmbcmx
	Thorney Island	bm₀cm₀	bm₀bm₀	cmbmx	bmx
	Lympne ...	cm₀ir₀bc	bc	bcbbx	bxmx
	Manston ...	cm₀c	c	bmx	cmx
2	Shoeburyness ...	bcm₀bc	bc		bmox
	Felixstowe ...	cr₀r₀bcm₀cm₀	cbccbc	bcbmw	bmwbmx
	Gorleston ...	cbcpr₀bc	cr₀bc	bzx	bxz
	Mildenhall ...	cm₀cbc	bcpr₀s₀b	bbx	bx
	Cranwell ...	bm₀b	bbcb	bmx	bmbmx
3	Birmingham ...	cbcz	bcbm		bbczx
	Upper Heyford	cm₀bbc	bccbcm₀	bzbm₀	bmbcmx
4	Ross-on-Wye	bcz₀bc	cbccb	bz	bx
5	Hartland Point	bc	bc	bc	bcc
	Bristol ...	cm₀bcm₀	bccz₀	bzbmx	czbz
	Portland Bill ...	c	c	cbc	cc
	Plymouth ...	bbc	bcbm₀	bmm	cmxbcm
	The Lizard ...	cr₀bc	bc	bc	cpr₀c
	Scilly (St. Mary's)	bc	bcc	cbc	bc
	Guernsey ...				
6	Pembroke ...	bc	bcc	bc	bccq
7	Holyhead (Valley)	cbcc	cjpbc	c	c
	Chester (Sealand)	cz₀by	b, bcy	bc, bm₀	bmczx
8	Manchester ...	bccbm₀	bbcz₀v	z₀	bcmy
10	Spurn Head ...	cq ph₀	bc	bz₀	bcm₀
	Catterick ...	bc	bcyb	bcm₀b	bzbm₀
	Tynemouth ...	bc ps₀bc	bc	bcm₀	bcom₀
11	St. Abbs Head	bbcbc	bccbc	bbccbc	bcc
	Leuchars ...	bbvbc	bcc	cbc	bcm₀c
12	Renfrew (Abbots I.)	bcbz₀xbbc	bcvyc	czbcmbz	bzczrr
	Eskdalemuir ...	bxby	byc	cbx	bxbcc
	Point of Ayre ...	cbvy	bbccy	cbcc	cbc
13A	Tiree ...	bc	c	c	crrrr
13B	Stornoway ...	bcpsbc	c	c	crrrr
15	Dalwhinnie ...	cbc	bco	•	oprs
	Aberdeen ...	bc ps₀psbc	cbcz₀	bcc z	cz
	Wick ...	cps₀bcc	ps₀c	bbcc	c
16	Sumburgh ...	cps₀ph₀bcc	ccps₀	ossmrs	orrmcir
17	Blacksod Point	bc	bc	r	pr
18	Main Head ...	c	c	c	r
	Aldergrove ...	bcc	cbcc	bcbbcc	cbcc
19	Birr Castle ...	bc	bc	•	c
20	Valentia Obsy.	bc	c	bc	pr
	Roches Point	bc	bc	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th February 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England ↓ 6 South Wales ↓ 7 North Wales	Freshening south wind becoming strong locally veering southwest or west later; cloudy, rain later; cold becoming milder
8 N.W. England ↓ 9 N. Midlands ... 10 N.E. England ↓ 11 S.E. Scotland 12 S.W. Scotland & Isle of Man ↓ 13A W. Scotland ... ↓ 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland	Fresh south wind strong to gale at exposed places, veering west and decreasing slowly; rain at first, showers of rain and hail with local thunder; cold becoming milder.
16 Orkneys and Shetlands ↓ 17 N.W. Ireland ↓ 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland ↓	As 5-15

GENERAL INFERENCE

Deep depression south of Iceland moving east and associated troughs will move east across the British Isles. There will be rain in the North and West of the British Isles spreading east later. Southerly gales will occur at exposed places in the North and West.

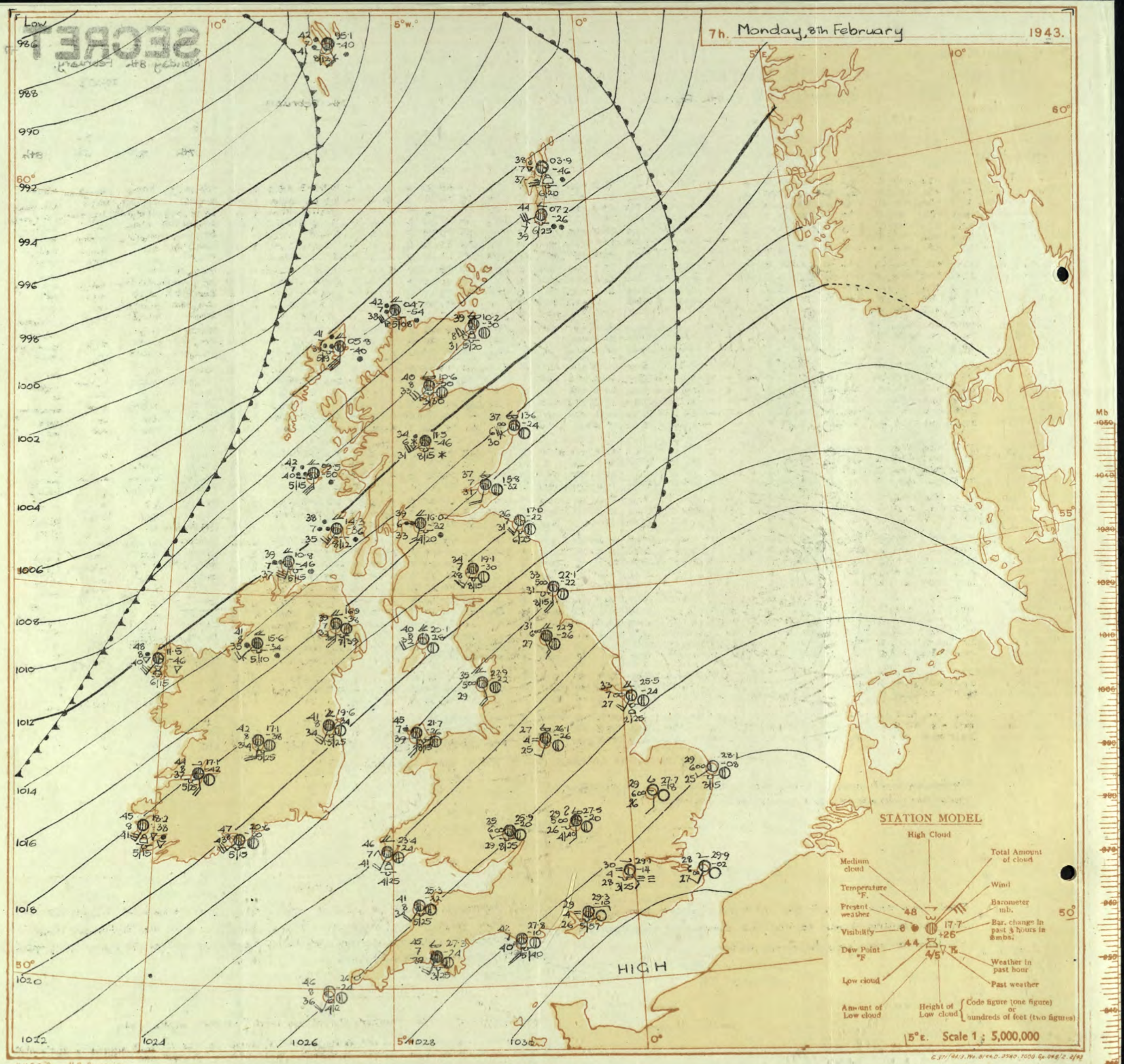
FURTHER OUTLOOK

Bright intervals and showers; local hail and thunder; rather cold.

Gale warning in operation in districts 13A, 13B and 16. Issued at 1630 7th. and districts 8, 12, 17 and 20 issued at 0425 8th and districts north of 5, 6 and 10 issued at 0816 8th.

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

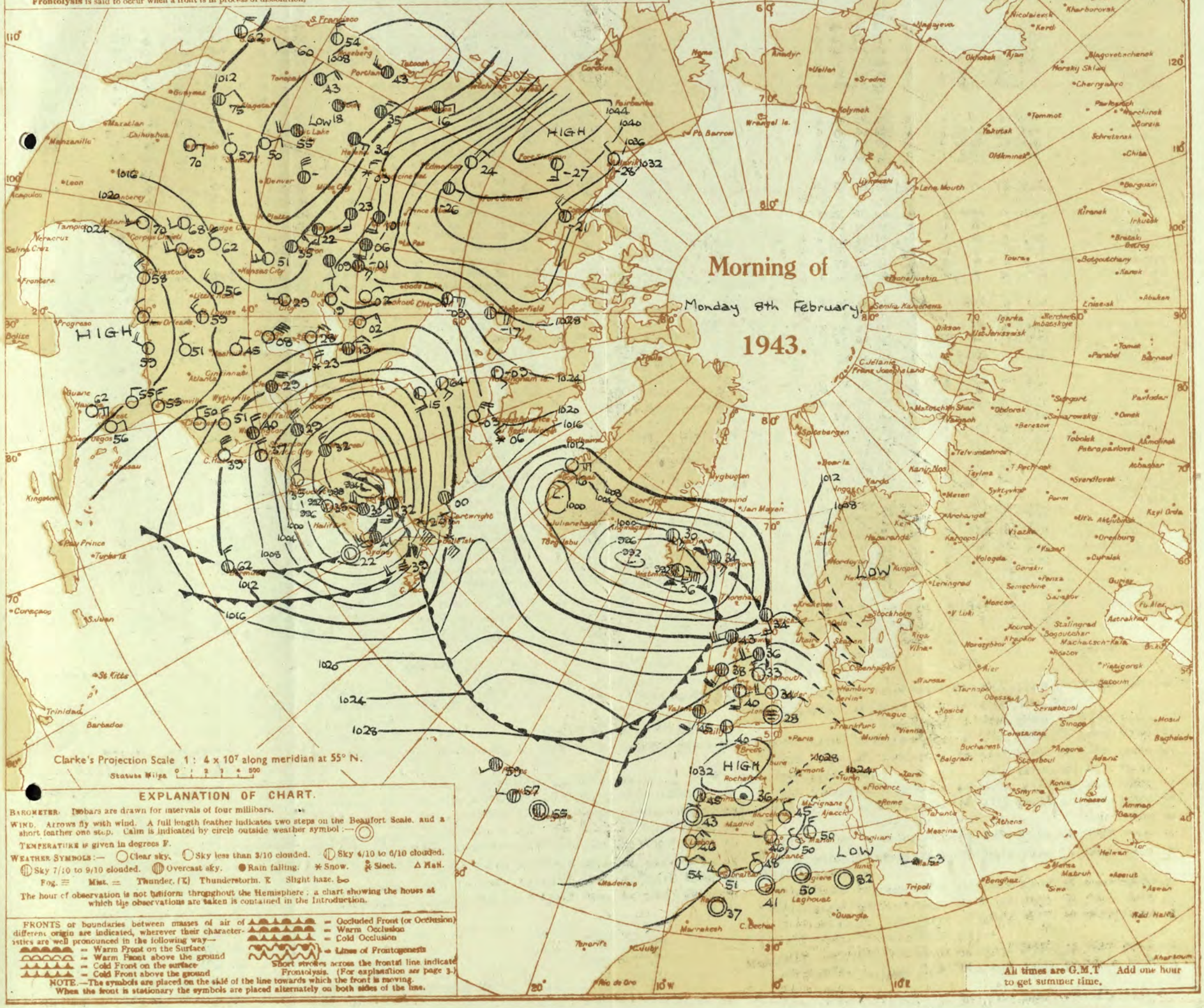
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. (K) Thunderstorm. K 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Monday 8th February 1943

No. 29663.

OBSERVATIONS at 1 hr. G.M.T. 8th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Croydon	290	31·3	+6	–	0	bf	28	97	28	2	–	–	–	0	0	–
	S. Farnborough	226	31·4	+2	–	0	z₀	27	97	26	6	–	–	–	0	0	–
	Boscombe Down	417	31·4	+2	W	1	b	29	85	26	6	–	–	–	0	0	–
	Thorney Island	10	31·0	+2	–	0	z₀	29	92	27	6	–	–	–	0	0	–
	Lympne	283	31·2	+8	NW	2	b	29	92	27	7	–	–	–	0	0	–
	Manston	154	30·5	+10	NW	1	z₀	33	92	31	6	2	–	–	Tr	Tr	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	30·2	+6	W	3	z₀	33	97	32	6	–	–	–	0	0	–
	Gorleston	5	19·3	+12	WNW	2	b	32	85	29	6	–	–	–	0	0	–
	Mildenhall	15	30·0	+2	SW'W	2	z₀	29	92	27	6	–	–	–	0	0	–
	Cranwell	203	29·7	–2	WSW	1	z₀	30	85	25	5	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	30·5	+2	W	1	z₀	29	85	25	5	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·8	–4	SSW	3	bc	40	75	33	8	5	–	–	4-6	4-6	2500
	Bristol	209	31·4	0	N	1	m	35	75	27	4	–	–	8	0	9+	–
	Portland Bill	32	30·7	–4	N	3	bc	37	92	34	7	5	–	–	4-6	4-6	4000
	Plymouth	82	31·2	+2	–	0	z₀	33	97	32	5	5	–	–	Tr	Tr	2500
	The Lizard	240	30·5	0	S	3	bc	44	75	37	8	8	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	30·5	–2	S	2	bc	40	85	36	8	8	–	–	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	30·1	0	ESE	1	c-bc	40	92	38	8	8	4	–	4-6	7-8	2500
7	Holyhead (Valley)	32	28·0	–10	S	4	bc	40	65	31	8	5	–	–	4-6	4-6	2500
	Chester (Sealand)	16	28·8	–6	S'E	1	z₀	30	85	28	6	5	1	–	1	2-3	3500
8	Manchester	235	29·5	–2	S	3	z₀	30	85	26	5	–	–	–	0	0	–
10	Spurn Head	29	28·7	0	WSW	4	z₀	34	75	25	6	–	–	–	0	0	–
	Catterick	175	27·9	–8	SW	1	z₀	31	75	25	6	–	–	8	0	Tr	–
	Tynemouth	108	26·8	–12	SSW	3	z₀	33	92	32	5	–	3	–	0	2-3	–
11	St. Abbs Head	280	23·5	–10	SW	3	bc	32	97	32	7	5	–	–	4-6	4-6	2500
	Leuchars	36	22·7	–18	–	0	c-bc	34	85	29	6	–	7	–	0	7-8	–
12	Renfrew (Abbots I.)	19	23·2	–24	WSW	2	z₀	38	75	30	5	5	–	–	2-3	2-3	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	26·5	–12	SW	3	t	37	70	29	8	5	–	–	9+	9+	2000
13A	Tiree	44	19·0	–30	S	4	c	43	85	39	8	5	1	–	7-8	10	2500
13B	Stornoway	15	14·6	–34	SW	6	c	43	75	36	8	5	1	7	2-3	10	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	20·8	–24	SW	4	c	36	65	24	8	–	2	–	0	10	–
	Wick	114	16·2	–18	SSW	5	c	38	75	28	8	5	1	–	7-8	10	2000
16	Sumburgh	19	11·0	–42	WNW	4	is₀	39	92	38	6	5	–	–	10	10	1600
17	Blacksod Point	18	20·6	–38	S	6	r₀r₀	46	75	39	8	6	–	–	9	9	2500
18	Malin Head	84	20·2	–34	S'W	5	c-bc	38	85	34	8	8	2	–	4-6	7-8	2500
	Aldergrove	268	24·8	–28	S	3	c-bc	35	75	28	7	5	–	–	7-8	7-8	3900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·0	–26	SSW	4	c-bc	45	65	34	9	5	–	–	7-8	7-8	4000
	Roches Point	22	28·4	–18	E	2	b-bc	37	97	37	8	5	–	–	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 8th February — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
1	London (Kew)	28·4	–16	SSW	1	m	30	92	29	4	5	–	–	4-6	4-6	2500	5	*	43	29	18	–	Tr	3·7
	Croydon	29·1	–14	SSE	1	b-bc/f	30	92	28	4	5	–	1	2-3	2-3	2500	3	*	43	27	22	0·6	–	2·4
	S. Farnborough	28·8	–18	SSE	3	m	30	85	26	4	5	3	–	4-6	9+	2500	3	*	45	24	14	Tr	–	3·3
	Boscombe Down	28·6	–22	SE	3	z₀	31	85	27	6	5	3	–	4-6	7-8	2000	0	*	43	24	17	Tr	–	4·2
	Thorney Island	29·3	–10	E'S	1	m	29	92	26	4	5	–	–	7-8	7-8	5700	3	*	46	25	18	Tr	–	*
	Lympne	30·3	–6	W	1	z₀	26	92	25	6	–	–	1	0	1	–	3	§2	*	25	16	Tr	–	2·6
	Manston	29·9	–2	SW	2	z₀	28	97	27	6	–	–	5	0	2-3	–	1	*	45	28	23	Tr	–	1·5
2	Shoeburyness	29·2	–12	SSW	3	z₀	32	85	29	6	–	–	–	0	0	–	3	*	45	27	19	–	–	3·3
	Felixstowe	29·2	–8	SW'S	3	z₀	31	85	28	5	–	–	–	0	0	–	3	2	45	29	23	0·2	–	3·6
	Gorleston	28·1	–8	WSW	1	z₀	29	85	25	6	5	–	–	2-3	2-3	1500	3	3	42	28	23	Tr	–	3·8
	Mildenhall	27·7	–18	S'W	2	z₀	29	85	26	6	–	4	–	0	Tr	–	3	*	43	26	20	0·1	–	4·2
	Cranwell	26·0	–26	SSW	2	z₀	29	92	27	5	–	4	6	0	4-6	–	3	*	42	27	22	–	–	7·2
3	Birmingham	25·8	–16	ESE	3	z₀	32	85	28	5	5	–	–	7-8	7-8	1500	1	*	39	29	19	–	–	6·1
	Upper Heyford	27·5	–20	S	2	z₀	29	92	26	5	5	7	6	4-6	9+	4000	3	*	43	27	19	–	–	*
4	Ross-on-Wye	25·9	–20	SW'W	1	z₀	35	75	29	6	5	–	–	10	10	2500	1	*	43	29	20	–	–	6·4
5	Hartland Point	25·3	–22	SW	4	c-bc	41	75	34	8	5	–	–	7-8	7-8	2500	1	4	46	38	35	–	–	7·9
	Bristol	27·4	–20	SE	3	z₀	38	75	31	6	–	7	8	0	7-8	–	1	*	43	29	22	Tr	–	4·9
	Portland Bill	27·8	–10	S	4	c-bc	42	92	40	7	8	–	–	7-8	7-8	4000	1	4	47	34	*	–	–	*
	Plymouth	27·3	–24	SSW	4	c	45	75	39	7	5	7	7	2-3	10	2500	1	2	47	31	24	–	–	8·0
	The Lizard	26·7	–20	SSW	4	c/r	45	75	36	8	8	2	–	7-8	9+	2000	1	4	49	39	*	Tr	Tr	8·6
	Scilly (St. Mary's)	26·0	–24	SW	4	bc	46	65	36	8	1	–	–	4-6	4-6	1200	1	4	49	40	*	–	–	
	Guernsey																							
6	Pembroke	23·4	–24	SSW	6	cq	46	85	41	7	8	2	–	4-6	10	2500	1	3	48	46	*	–	–	6·9
7	Holyhead (Valley)	21·7	–26	S	5	ir₀	45	85	39	7	5	–	–	10	10	1500	1	2	42	34	–	–	28	*
	Chester (Sealand)	23·7	–26	S'E	2	z₀	33	75	28	6	5	2	–	2-3	10	3800	3	*	41	30	20	Tr	–	5·4
8	Manchester	24·2	–26	S'E	4	z₀	32	85	28	6	5	–	–	10	10	4000	3	*	39	29	23	–	–	*
10	Spurn Head	25·5	–24	SW'S	4	z₀	33	75	27	7	7	2	–	1	4-6	2500	0	4	41	31	*	Tr	–	3·3
	Catterick	22·9	–26	SSE	3	z₀	31	85	27	6	–	2	–	0	10	–	1	*	38	29	21	–	–	6·9
	Tynemouth	22·1	–22	S	4	z₀	33	92	31	5	5	–	–	10	10	1500	3	4	38	32	25	Tr	–	*
11	St. Abbs Head	17·0	–22	SW	4	c	36	85	31	7	5	–	–	9	9	2500	0	3	*	31	*	–	–	*
	Leuchars	15·8	–32	SSW	4	c	37	75	31	7	–	7	–	0	10	–	3	*	32	33	28	0·5	–	6·7
12	Renfrew (Abbots I.)	16·0	–32	SSW	3	r₀r₀	39	75	33	6	5	2	–	4-6	10	2000	2	*	40	32	30	–	Tr	6·0
	Eskdalemuir	19·1	–30	SSW	3	c	34	85	28	7	5	–	–	10	10	1500	3	*	36	24	19	–	–	7·3
	Point of Ayre	20·1	–28	SW'W	4	c	40	75	32	8	–	2	–	0	10	–	0	3	42	31	*	–	–	6·5
13A	Tiree	09·5	–50	S	6	rr	42	97	40	7	6	2	–	7-8	10	1500	1	5	43	38	37	–	2	4·9
13B	Stornoway	05·8	–40	S	8	rr	41	92	39	7	5	2	–	7-8	10	1900	1	5	41	41	37	Tr	1	2·1
15	Dalwhinnie	11·5	–46	SW	4	prs	34	92	31	6	5	–	–	10	10	1500	4	*	32	27	23	–	1	2·4
	Aberdeen †	13·6	–24	WSW	5	z₀	37	75	30	6	–	7	–	0	9+	–	1	3	36	32	27	0·2	–	5·0
	Wick	10·2	–30	SW	5	e	39	75	31	8	8	7	–	7-8	10	2000	1	*	41	33	31	Tr	–	*
16	Sumburgh	07·2	–26	WSW	6	c/r	44	85	39	7	5	1	–	9	10	2500	1	4	35	31	32	Tr	12	1·6
17	Blacksod Point	11·5	–46	SW	7	pr₀	48	75	40	8	9	–	–	9	9	1500	2	6	46	43	*	–	3	
18	Malin Head	10·8	–46	S'W	6	r₀r₀	39	92	37	7	5	2	–	7-8	10	1500	2	4	43	36		Tr	0·4	2·9
	Aldergrove	16·9	–38	S	5	c	39	75	32	7	5	2	–	9+	10	3900	8	*	44	32	25	–	–	4·2
19	Birr Castle	17·1	–38	S	4	c-bc	42	75	34	8	5	–	–	7-8	7-8	2500	1	*	47	34	27	–	–	4·8
20	Valentia Obsy.	18·2	–38	SW'S	6	c-bc/pr	45	85	41	8	8	–	–	7-8	7-8	1500	1	4	48	41	35	–	0·6	6·1
	Roches Point	20·6	–30	SW	6	c-bc	47	85	43	8	5	–	–	7-8	7-8	1500	1	5	47	37	*	–	*	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 7th Feb: C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 8th Feb: C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
109	4-	01863	61623	52	71653	17178	52	02654	55767	51	02754	17527
115				52	02845	28528	51	14845	87688	52	62735	87668
203	8-	02945	24416	5-	02947	20527	5-	02855	16625			
206	26	01963	22314	47	02961	22317	5-	02854	53528	57	02863	53628
210	86	01852	24383	22	02861	19326	07	02890	20528	52	02861	18328
220	53	01853	21214	55	01854	21415				62	63635	19668
230	7-	01963	24314	57	02961	00027	52	02855	20268	02	64758	18268
245	24	01963	28404	04	02980	22115	58	02862	22328	52	02776	20328
260	24	01862	20213				50	05661	20325			
278	10	01953	28414	57	02956	22217	50	01854	18225	5-	61758	18528
279	10	01861	30201	44	02861	23228	02	05690	18425	57	05665	20527
285										27	02744	26627
288	13	05652	61486	00	05690	24412	00	00790	20310	51	05651	15418
575	53	01864	00014	07	02890	00028	57	02854	22127	52	61848	53468
301	20	02861	32225	40	17451	29226	07	02857	20317	02	05590	14428
321							00	05690	18200	47	08490	16305
[illegible]	80	01755	32515	8-	02745	28415	00	00790	24210	50	05653	24313
292	70	05655	28485	40	01853	30114	00	17210	28231	01	05590	12218
310										--	01635	20415
614	20	05654	22314	07	05590	30112	00	08490	22102	00	43390	20213
333	53	01864	32214	03	02890	06126	50	05664	20314	52	05654	16428
334										--	03647	28227
340	20	05553	28113	50	01853	30113	50	08461	16201	51	05561	16407
136	26	26844	32385	46	01764	29384	00	05690	26113	00	05590	20113
336												
358				40	01763	30113	00	05590	18114	57	05653	17215
368	70	01753	04313	53	01764	01115	52	05654	04218	52	05654	20417
379	80	05554	32224	40	05561	28311	00	05590	00000	57	05523	18224
390	20	05655	32425	20	05563	32313	00	08490	00010	00	45390	20240
382	2-	02855	35415	54	05663	28123	00	05590	00000	53	08475	12125
438	54	01743	02413	03	01790	3-313	00	05590	02300			
430	50	05652	04312	50	05654	32214	00	05690	00000	50	04243	00044
409	10	01862	02412	44	01851	03103	00	00790	12100	57	61765	16267

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_LC_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 8th February. Day 7h—18h Kew and Croydon, 9h—18h Kensington 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cbcm₀y	bcm₀	bcm₀bmx
Croydon	cm₀cz₀	cz bcz₀	bfbfxbcm
Greenwich	cbc	bc₀cb	bcmx
Camden Square	c	bc	*
Kensington	bbc	bcm	*
Hampstead	bc	bcf	c

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·6 Time 15-2? 7th. Min. 0·2 Time 7-8h 7th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs. Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	43	29	18	–	Tr	3·7	*	*
Croydon	43	27	22	0·6	–	2·4	*	*
Greenwich	44	25	18	–	–	2·5	65	83
Westminster	45	28	24	–		–	73	82
Regents Park	42	28	20	–	–		62	65
Camden Square	44	29	23	–	–	*	*	79
Kensington	45	27	19	Tr	Tr		64	68
Hampstead	42	29	22	–	–	–	*	75

SECRET

Tuesday 9th February 1943

No 29664

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

OBSERVATIONS at 13h. G.M.T. 8th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24.5	-28	S'W	3	Z_0	42	75	34	5	5	2	-	7-8	10	2500
	Croydon	25.5	-30	S	3	Z_0	41	75	34	6	5	7	-	9	10	4000
	S. Farnborough	24.6	30	S	4	Z_0	41	65	36	6	5	7	-	9	10	4000
	Boscombe Down	24.1	-20	SSE	3	c/+	39	75	36	7	5	7	-	9	10	3000
	Thorney Island	25.1	-26	SSW	5	c	43	65	32	7	5	7	-	Tr	10	4000
	Lympne	26.3	-22	S'W	2	c	43	55	31	7	1	-	7	Tr	10	3500
	Manston	26.3	-26	SW	3	c	43	55	28	7	2	5	7	1	10	2000
	Shoeburyness	25.9	-16	S	3	Z_0	43	75	34	6	5	7	-	2-3	10	4000
	Felixstowe	25.0	-34	S'W	3	Z_0	44	65	42	6	-	1	-	0	10	-
	Gorleston	24.9	-28	SW	4	Z_0	39	83	35	6	5	7	-	4-6	9+	2300
	Mildenhall	23.6	-30	S'W	4	Z_0	39	65	30	5	-	7	-	0	10	-
	Cranwell	20.6	-34	SSW	5	Z_0	37	75	31	6	-	7	-	0	10	-
3	Birmingham	20.3	-34	S	4	c	39	85	37	7	5	7	-	1	10	1500
	Upper Heyford	23.7	-22	S'W	4	Z_0	40	85	44	6	5	7	-	9	10	1200
4	Ross-on-Wye	20.4	-30	SW'S	4	c	44	75	37	7	1	1	-	4-6	10	2500
5	Hartland Point	19.4	-30	WSW	4	c	46	75	40	8	5	2	7	4-6	10	1700
	Bristol	22.9	-40	SSW	4	d_0+	44	83	39	7	3	2	-	9	10	2500
	Portland Bill	23.8	-26	S	5	c	46	92	44	7	5	7	-	7-8	10	4000
	Plymouth	23.1	-26	SSW	5	c	48	86	43	8	8	7	-	7-8	10	5400
	The Lizard	22.2	-32	SW	6	c/c/+	47	85	43	8	2	3	-	7-8	7-8	1500
	Scilly (St. Mary's)	20.8	-32	SW'S	5	c/pr	46	85	42	8	8	7	-	9	10	1200
	Guernsey															
6	Pembroke	17.2	-24	SW'S	6	c	46	92	44	8	8	7	-	7-8	9+	2500
7	Holyhead (Valley)	14.1	-40	SSW	7	c	46	85	41	8	8	7	-	4-6	10	2500
	Chester (Sealand)	16.2	-44	S	2	c/+	42	85	37	7	-	7	-	0	9+	-
8	Manchester	17.2	-46	S'E	5	Z_0	39	85	34	6	5	7	-	4-6	10	4000
10	Spurn Head	21.4	-22	SSW	6	c/pr	36	75	30	5	5	1	-	7-8	10	1200
	Catterick	16.1	-46	S	3	c/+	36	85	33	3	5	2	-	4-6	10	1500
	Tynemouth	14.3	-44	SW	4	m	37	85	32	4	5	-	-	10	10	1400
11	St. Abbs Head	07.9	-56	SSW	5	c	40	75	34	7	5	7	-	4-6	9+	2500
	Leuchars	06.7	-54	SSW	5	t_0t_0	42	85	37	7	5	2	-	9	10	1500
12	Renfrew (Abbotsl.)	06.6	-54	SSW	5	++	43	83	39	6	6	2	-	4-6	10	1000
	Eskdalemuir	09.4	-60	SSW	7	++	39	92	35	6	6	-	-	10	10	500
	Point of Ayre	10.7	-48	SW'W	6	c	46	75	39	8	8	2	-	7-8	10	4000
13A	Tiree	99.1	-54	S'W	6	++	44	92	42	6	5	2	-	9	10	900
13B	Stornoway	95.7	-46	SSW	6	c/+	43	92	41	6	5	6	2	7-8	9	1500
15	Dalwhinnie	00.3	-52	SW	3	prs_0	36	92	33	6	5	1	-	7-8	10	1500
	Aberdeen	05.7	-46	SW'S	4	c	39	85	34	7	5	2	-	9	10	2000
	Wick	00.8	-50	SSW	5	c	41	75	34	9	5	7	-	4-6	9+	2000
16	Sumburgh	01.7	-34	SSW	6	c	43	85	37	8	5	7	-	7-8	9+	2000
17	Blacksod Point	98.9	-78	SSW	7	RR	47	97	46	6	6	2	-	4-6	10	1500
18	Malin Head	00.2	-60	SSW	7	+	44	85	40	8	6	2	-	7-8	10	1500
	Aldergrove	06.7	-58	SW	5	it_0	44	75	36	8	5	2	-	9	10	1200
19	Birr Castle	08.5	-58	SW	4	c	46	75	39	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	06.9	-76	SSW	7	ir_0	48	92	46	6	5	2	-	9+	10	1500
	Roches Point	11.9	-54	SSW	7	ir_0	48	92	46	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 8th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground (31)	Sea 0–9 (32)
1	London (Kew)	17.6	-40	SSW	4	Z_0	41	75	33	6	5	2	-	9	10	2500	2	*
	Croydon	20.4	-8	S	3	Z_0	41	85	36	5	5	7	-	1	10	3000	1	*
	S. Farnborough	17.8	-38	S	4	Z_0	41	75	33	6	5	7	-	7-8	10	2500	1	*
	Boscombe Down	16.1	-42	S'E	5	c	41	85	36	7	5	7	-	4-6	9+	1800	0	*
	Thorney Island	18.5	-40	SSW	6	c	43	75	34	7	5	7	-	7-8	10	1500	1	*
	Lympne	21.1	-34	SSW	3	c	41	75	34	7	5	2	-	7-8	10	1500	1	5
	Manston	20.9	-32	SSW	4	c	40	65	31	7	5	1	-	9	10	4000	1	*
	Shoeburyness	19.8	-16	S	4	Z_0	42	85	37	6	5	1	-	2-3	10	4000	1	*
	Felixstowe	19.4	-30	S	5	Z_0	42	75	34	6	5	2	-	2-3	10	4000	0	4
	Gorleston	18.8	-30	SSW	5	Z_0	40	85	34	6	5	-	-	10	10	2000	0	5
	Mildenhall	16.5	-40	S'W	4	Z_0	40	75	32	6	-	7	-	0	10	-	0	*
	Cranwell	12.7	-40	SSW	6	Z_0	39	85	33	6	-	7	-	0	10	-	1	*
3	Birmingham	11.1	-50	S	4	c	42	85	38	7	5	-	-	10	10	1500	1	*
	Upper Heyford	15.1	-28	S'W	4	Z_0	41	75	33	6	5	7	-	7-8	10	2500	1	*
4	Ross-on-Wye	11.5	-50	SSW	5	id_0	43	85	38	6	5	-	-	10	10	1500	1	*
5	Hartland Point	08.2	-64	SW	5	c	45	75	39	7	5	2	-	7-8	10	1500	1	5
	Bristol	13.4	-54	S	4	t_0t_0	43	92	40	6	5	2	-	9	10	2500	1	*
	Portland Bill	13.5	-36	S	5	c	46	92	44	7	5	-	-	10	10	4000	1	5
	Plymouth	14.1	-54	SSW	6	c/+	47	85	43	6	5	7	-	7-8	10	1500	1	4
	The Lizard	13.3	-44	SW	7	c/pr	47	85	43	7	8	2	-	9	10	1500	1	5
	Scilly (St. Mary's)	09.2	-70	SW'S	7	d/+	48	75	42	7	6	2	-	7-8	10	1000	1	5
	Guernsey																	
6	Pembroke	06.5	-30	S'W	8	PR	45	97	45	7	5	2	-	4-6	10	2000	1	5
7	Holyhead (Valley)	02.4	-94	S'W	8	it	46	85	41	6	-	2	-	2-3	10	1100	1	6
	Chester (Sealand)	06.9	-62	SW'S	3	c/d	43	85	39	6	6	2	-	7-8	10	2000	1	*
8	Manchester	07.7	-62	SSE	5	Z_0	42	85	37	6	5	2	-	7-8	10	4000	1	*
10	Spurn Head	12.6	-32	S'W	7	Z_0	39	85	34	6	5	-	-	10	10	1500	0	5
	Catterick	06.5	-50	S	5	c/+	42	75	35	4	5	2	-	4-6	10	1000	1	*
	Tynemouth	05.3	-40	SSW	8	m	40	85	35	4	5	-	-	9	9	1600	1	4
11	St. Abbs Head	99.6	-38	SSW	6	c	41	85	36	6	5	-	-	10	10	1500	1	5
	Leuchars	97.8	-58	SSW	6	c	44	85	38	7	5	1	-	7-8	10	1000	1	*
12	Renfrew (Abbotsl.)	96.4	-66	SSE	5	t_0t_0	45	78	40	6	6	2	-	7-8	10	1000	2	*
	Eskdalemuir	00.3	-60	SSW	7	t_0t_0	41	92	39	6	6	2	-	7-8	10	700	1	*
	Point of Ayre	99.4	-66	SW	6	t_0t_0	46	85	42	7	6	2	-	9	10	1800	1	5
13A	Tiree	87.7	-68	S	7	RR	44	97	43	6	9	2	-	7-8	10	1200	2	6
13B	Stornoway	88.2	-14	SSW	3	++	43	97	42	6	6	2	-	7-8	10	800	1	2
15	Dalwhinnie	98.5	-68	S	4	o	38	85	34	6	5	-	-	10	10	2500	1	*
	Aberdeen	97.8	-48	S	5	d_0d_0	42	92	38	5	5	2	-	9	10	2000	1	3
	Wick	94.3	-34	SSE	5	c	43	75	38	9	5	7	-	7-8	10	2500	1	*
16	Sumburgh	94.8	-40	S	5	c	43	85	39	7	5	2	-	7-8	10	1200	1	4
17	Blacksod Point	90.2	-30	SW	4	c/+	43	97	42	8	6	-	-	10	10	1500	2	4
18	Malin Head	86.5	-86	SSW	8	t_0t_0	44	85	40	7	6	2	-	7-8	10	1500	2	4
	Aldergrove	93.3	-82	S	5	++	42	85	40	6	6	2	-	9+	10	1000	1	*
19	Birr Castle	94.7	-66	SSW	3	++	44	85	40	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	96.0	-34	WSW	6	ir_0	47	85	43	8	8	2	-	4-6	10	4000	1	5
	Roches Point	97.5	-86	SW	8	++	48	97	40	5	6	2	-	4-6	10	800	1	6

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 8th (39)	Weather 13h.—18h. 8th (40)	Weather 18h.—24h. 8th (41)	Weather 1h.—7h. 9th (42)
1	London (Kew)	cfx cz_0	cit_0 cz_0	cz_0	cr_0rr_0
	Croydon	bcm cm_0	cz_0 ir cm_0	cm_0	cm_0rr
	S. Farnborough	cmx mcz_0	cz_0 ccz_0	cz_0 m_0 drr	cm_0rrR_0
	Boscombe Down	cm_0 cir_0 c	c	cr_0crrm_0	$crrm_0cr_0r_0m_0$
	Thorney Island	bcmxc	c	ccr_0	cr_0rr
	Lympne	bxb m_0	c	cbcc	ccr_0r_0
	Manston	cm_0x	cyc	ccz_0	cz_0ir
	Shoeburyness	bccm	cm_0		$cr_0crrcir_0$
	Felixstowe	bcm cm_0	cz_0	cz_0	$cz_0cir_0m_0$
	Gorleston	bcz_0	cz_0	cz_0q	cq pr_0
	Mildenhall	cxm cz	cz_0	$cz_0cir_0z_0$	cir_0r_0
	Cranwell	bm_0x cm_0	cm_0	$cr_0r_0m_0$	$cr_0r_0ir_0ir_0$
3	Birmingham	cz_0	co	pr_0r	orr
	Upper Heyford	cm_0x cz_0	cm_0	cir_0irm_0	$irr_0r_0m_0$
4	Ross-on-Wye	c	cid_0 t_0c	r_0qrr	rrqcr
5	Hartland Point	ct_0c	cir_0itc	crrc	cirrr
	Bristol	$ccid_0$	cd_0cgr_0	cr_0rm_0q	$crrm_0cr_0r_0$
	Portland Bill	c	c	o	ORRrr
	Plymouth	cpr_0	cpt ir ir $itcrrm_0$		$crrm_0r_0r_0$
	The Lizard	c++c	cptc	orrq	rrprc
	Scilly (St. Mary's)	bcpqc	$cpcir_0$	crrc	cpqlbcc
	Guernsey				
6	Pembroke	cprq	cprq	crrq	rrprq
7	Holyhead (Valley)	cpr_0c	cir_0	crrm	ORRm$_0$c
	Chester (Sealand)	$cm_0r_0r_0$	cm_0ir_0dd	crrm	crrm
8	Manchester	cm_0	cir_0m_0	ir_0ir	r_0r_0
10	Spurn Head	cm_0cpr	cm_0	$cm_0r_0r_0$	pr_0h_0o
	Catterick	cp_0scf	cfcm	crrm	cr_0r_0mc
	Tynemouth	om	ocm	cm_0ir	dir
11	St. Abbs Head	co cm_0	om_0cd_0dc	cmr_0c	cr_0r_0o
	Leuchars	$cm_0r_0r_0$	$ct_0t_0ir_0c$	$gm_0cd_0m_0$	om_0cm_0c
12	Renfrew (Abbotsl.)	$cm_0r_0r_0$++	cm_0++t_0t_0	$czgrcm_0$	cbcm$_0$
	Eskdalemuir	cr_0s_0++	c+++$t_0t_0m_0$	oRrr	orr_0m_0
	Point of Ayre	cir_0	ct_0r_0	rrr_0r_0o	rrcr+
13A	Tiree	++d_0+m_0	++m_0i+R_0	cRrcb	bcpr
13B	Stornoway	c+++t_0t_0c	cr_0r_0i+++	crr_0g_0	bcpr$_0$bcb
15	Dalwhinnie	opts	oprs		oirc
	Aberdeen	cz_0ir_0c	$cd_0d_0z_0$	cbccrr	$crrm_0f$
	Wick	cit_0c	c	ccr_0r_0	cbc
16	Sumburgh	cit_0c	c	cir_0	$or_0r_0rrm_0$
17	Blacksod Point	+	+	pr	pr
18	Malin Head	+	+	r	r
	Aldergrove	cit_0	$cir_0cr_0m_0$	ccidc	ccr_0r_0
19	Birr Castle	c	+		r
20	Valentia Obsy.	pr	+	pr	pr
	Roches Point	+	+	r	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 9th February 1943

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands	Fresh to strong southerly winds, gale near coast, soon veering northwest and moderating slowly; rain early followed by variable cloud and a few showers; little cloud tonight and tomorrow; cold with local ground frost in morning.
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 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh northwesterly winds, strong locally in exposed places, moderating slowly; variable cloud, but appreciable clearances in lee of high ground tonight and tomorrow; scattered thundery showers of rain and hail, especially in the North and West, cold with local ground frost in morning.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4-15.

GENERAL INFERENCE

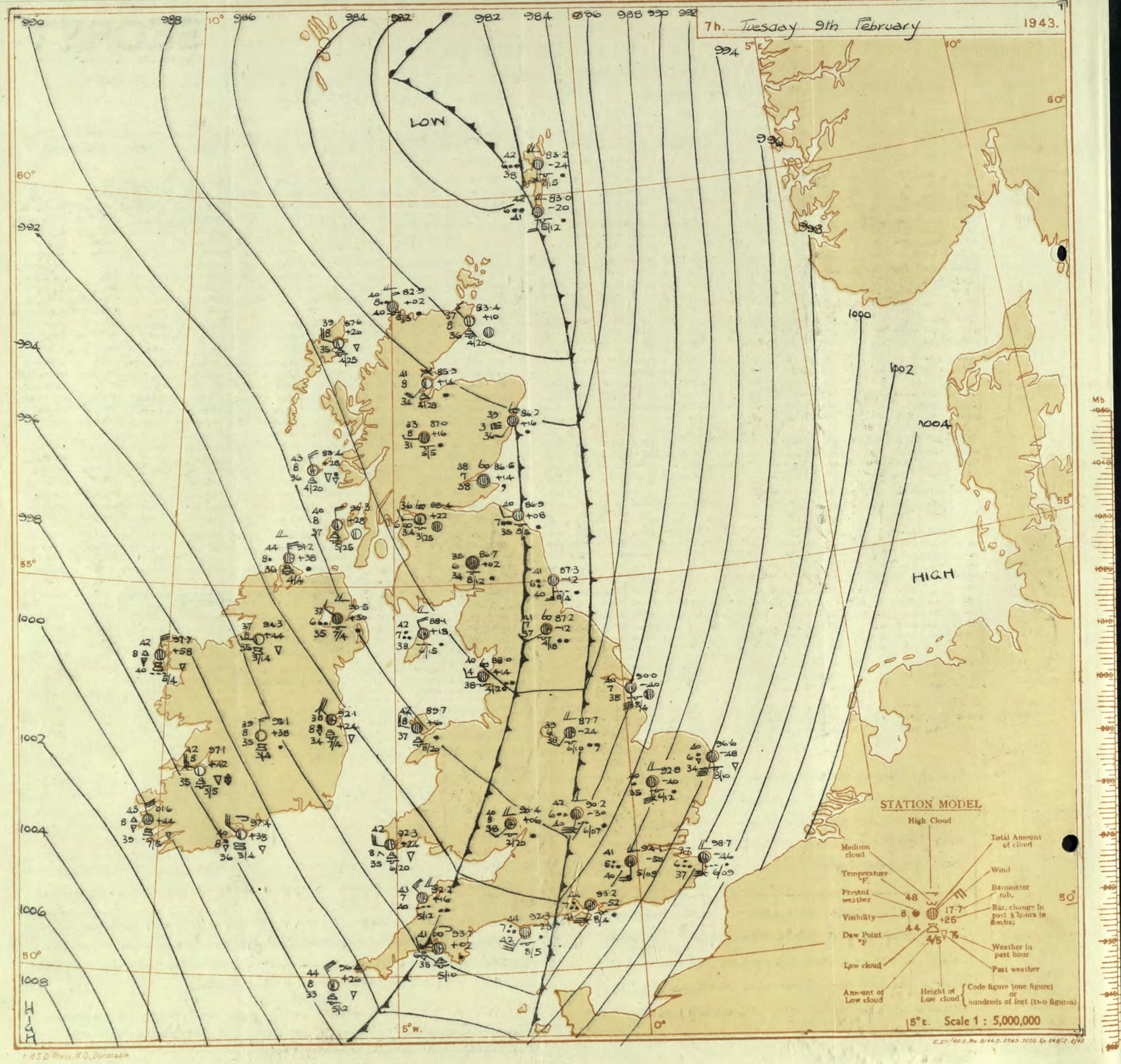
A depression north of Scotland is moving northnortheast and an associated trough of low pressure is moving east across England. A ridge of high pressure is approaching from the Atlantic. There will be rain in East and Southeast England early; otherwise there will be variable cloud and thundery showers of rain and hail, especially in North and West with appreciable clearances in South and East. Cold, with some ground frost tonight.

FURTHER OUTLOOK

Showers in North and West; fair in East and South; becoming milder slowly. Gale warning in operation in district 1, time of issue 1456 G.M.T. on 8th February 1943

Forecasts issued at 1030.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, N.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

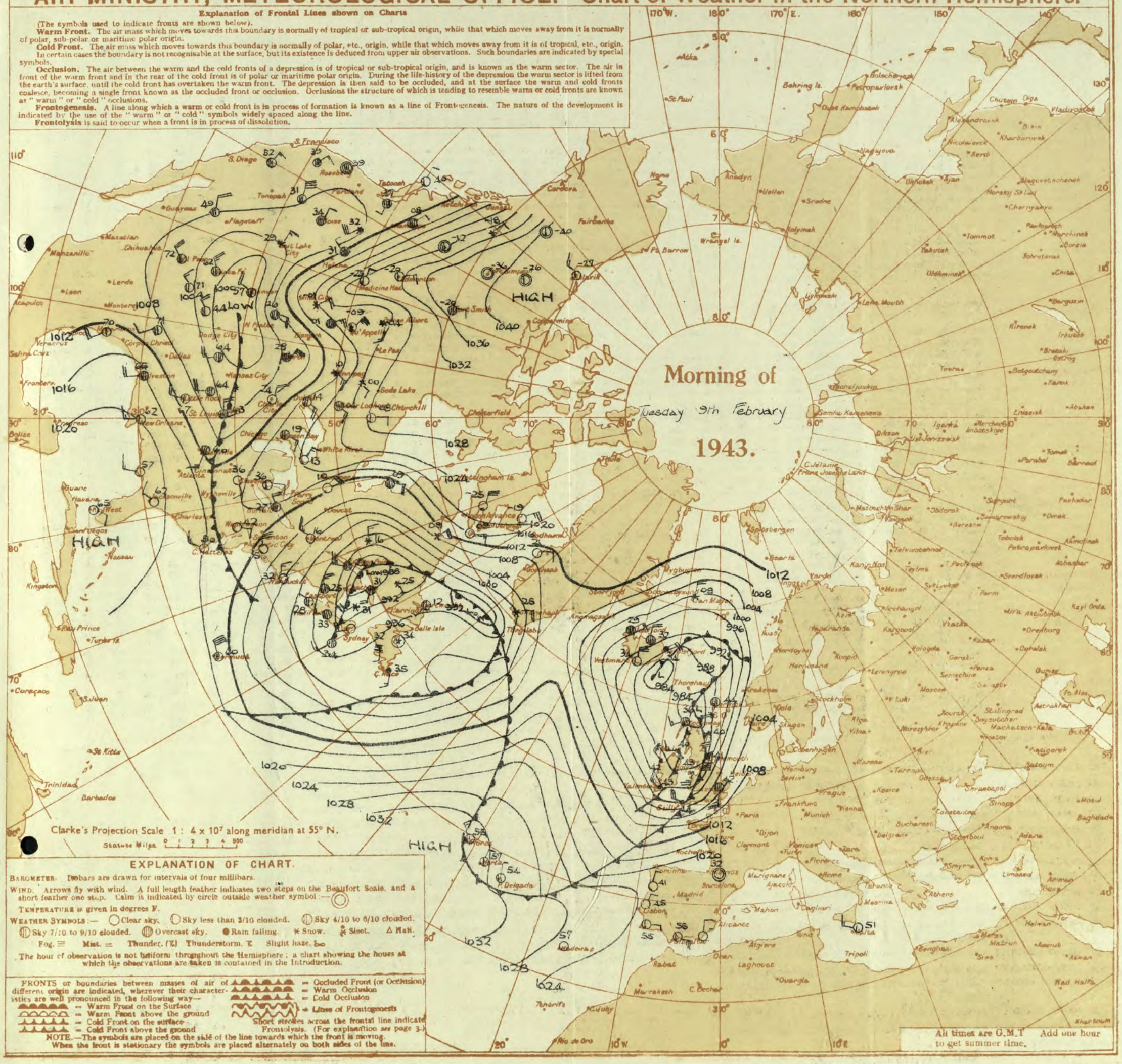
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



Page 4.

BRITISH SECTION

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

Tuesday 9th February 1943

No. 28664

OBSERVATIONS at 1 hr. G.M.T. 9th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	05·8	+66	S	5	z0	42	75	37	5	6	2	-	9	10	2000
	S. Farnborough	226	03·9	-66	S'W	5	rr	41	85	38	6	5	-	-	10	10	1800
	Boscombe Down	417	01·5	-74	S	6	rr	42	92	40	6	5	-	-	10	10	1200
	Thorney Island	10	06·0	-20	SSW	6	ir0	44	75	38	7	5	-	-	10	10	3200
	Lympne	283	08·9	-62	SSW	5	c	40	75	33	7	5	-	-	10	10	2500
	Manston	154	09·6	-54	S'W	6	z0	40	75	33	6	5	-	-	4-6	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	08·5	-20	S'E	6	z0	42	75	36	6	-	2	-	0	10	-
	Gorleston	5	06·4	-70	SSW	7	cq	44	85	40	7	-	2	-	0	10	-
	Mildenhall	15	03·8	-58	S'E	5	ir0	41	75	34	6	5	-	-	10	10	2200
	Cranwell	203	99·1	-62	S	8	r0r0	41	85	37	6	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	99·6	-66	SSW	7	ir	41	92	39	6	6	2	-	10	10	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	90·6	-90	SW	7	rr	46	92	43	6	6	2	-	7-8	10	800
	Bristol	209	97·3	-82	S	7	rr	43	92	41	6	5	-	-	10	10	1600
	Portland Bill	32	01·7	-72	SW	6	o	45	92	43	7	5	-	-	10	10	2500
	Plymouth	82	96·6	-86	SW	8	rr	46	97	45	5	5	2	-	9	10	1000
	The Lizard	240	94·6	-64	SW	9	rr	48	92	46	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	96·4	-40	W'N	6	ojp	44	97	44	6	6	-	-	10	10	800
	Guernsey	175															
6	Pembroke	142	90·5	-38	SW'W	6	rr	43	97	42	7	8	2	-	7-8	10	1500
7	Holyhead (Valley)	32	88·8	-26	S'W	5	RR	44	97	43	5	-	2	-	10	10	600
	Chester (Sealand)	16	91·4	-70	S	4	rr	42	85	37	6	6	2	-	9	10	1600
8	Manchester	235	92·9	-62	S'E	6	r0r0	42	88	39	6	5	2	-	9	10	1600
10	Spurn Head	29	99·9	-60	S'E	8	r0r0	40	92	38	6	5	-	-	10	10	1500
	Catterick	175	92·7	-60	S	4	rr	41	97	39	4	5	2	-	7-8	7-8	1300
	Tynemouth	108	91·1	-52	SSW	8	ir	41	92	38	6	6	-	-	10	10	1500
11	St. Abbs Head	280	87·6	-56	S	4	c	43	75	35	7	5	-	-	10	10	2500
	Leuchars	36	86·1	-46	S	5	d0d0	41	85	36	6	5	2	-	7-8	10	2600
12	Renfrew (Abbots I.)	19	86·5	-8	SW	2	z0	42	88	37	6	5	2	-	9	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	87·5	-18	W	3	r0r0	42	97	41	7	*	2	-	10	10	2000
13A	Tiree	44	85·2	+10	-	0	b	38	92	36	8	5	-	-	Tr	Tr	2500
13B	Stornoway	15	83·5	-6	WSW	3	o/r	36	92	35	7	5	-	-	10	10	2400
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	86·2	-46	S	7	rr	40	97	39	6	5	2	-	9	10	1300
	Wick	114	85·0	-38	SE	6	r0r0	42	85	37	7	5	-	-	7-8	10	1700
16	Sumburgh	19	87·5	-36	S	7	ir0	44	85	40	7	5	-	-	10	10	1700
17	Blacksod Point	18	90·4	+14	NW'N	5	PR	42	75	35	8	9	-	-	4-6	4-6	1500
18	Malin Head	84	86·2	+2	W'S	3	ir	40	92	38	8	6	2	-	7-8	10	1500
	Aldergrove	268	87·2	-14	SW	2	o/d	40	92	38	7	-	2	-	10	10	6600
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	94·1	+6	NW'W	5	pr	43	75	36	8	3	-	-	9+	9+	2500
	Roches Point	22	91·8	-6	W	5	bc	44	97	44	8	6	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 9th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	92·3	-90	SSW	5	r0r0	42	92	40	6	6	2	-	7-8	10	1500	2	*
Croydon	94·1	-50	S'W	5	rr	41	97	40	9	-	2	-	7-8	10	900	1	*
S. Farnborough	92·1	-54	S	4	r0r0	42	92	40	6	5	-	-	10	10	1200	1	*
Boscombe Down	91·6	-30	S'W	3	r0r0	41	97	40	6	6	2	-	7-8	10	1600	1	*
Thorney Island	93·2	-52	SSW	6	rr	44	85	41	7	5	-	-	10	10	1500	2	*
Lympne	97·2	-46	S	5	r0r0	39	92	37	6	5	-	-	10	10	800	1	§7
Manston	98·7	-46	S'W	6	rr	37	97	37	6	6	2	-	9	10	900	1	*
Shoeburyness																	*
Felixstowe	96·9	-58	S'E	7	ir0	41	85	36	6	6	2	-	7-8	10	1500	1	6
Gorleston	96·6	-48	SSW	8	pr	40	75	34	6	5	-	-	10	10	1000	1	6
Mildenhall	92·8	-46	S'E	6	ir0	40	85	35	6	5	2	-	9	10	1200	1	*
Cranwell	89·5	-34	S	6	r0r0	40	85	37	6	5	2	-	9	10	2000	1	*
Birmingham	89·4	-8	SW	3	r0r0	39	92	37	5	6	-	-	10	10	800	1	*
Upper Heyford	90·2	-30	SSW	6	r0r0	42	92	40	6	6	2	-	9	10	700	1	*
Ross-on-Wye	90·4	+6	SW	2	o/r	40	92	38	8	5	2	-	1	9+	2000	1	*
Hartland Point	92·2	+16	NW	3	c/r	43	85	40	7	6	2	-	7-8	9+	1200	1	5
Bristol	91·6	+6	W	4	ir	41	92	39	6	-	2	-	10	10	1900	2	*
Portland Bill	92·3	-28	SW	7	rr	44	92	42	7	5	-	-	10	10	2500	1	6
Plymouth	93·7	+2	W	3	pr	41	92	38	6	8	7	3	7-8	9	1000	1	3
The Lizard	95·0	+10	NW	8	c-bc/pr	43	85	38	7	2	7	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	96·4	+26	NW'N	7	c-bc	44	65	33	8	8	-	-	7-8	7-8	1200	1	5
Guernsey																	
Pembroke	92·3	+24	WNW	6	cq	42	75	35	8	8	-	-	9	9	2000	1	4
Holyhead (Valley)	89·7	+16	WNW	4	c	42	85	37	8	8	-	-	10	10	2000	2	4
Chester (Sealand)	88·5	+6	NNW	1	c/r	41	85	38	6	5	2	-	9	10	3500	1	*
Manchester	88·5	+10	W'S	2	r0r0	39	92	37	6	5	7	-	4-6	10	2500	1	*
Spurn Head	90·0	-40	S'E	8	o	40	92	38	7	5	-	-	10	10	1500	1	6
Catterick	87·2	-12	WSW	3	c/r	41	85	37	7	5	7	-	4-6	9+	1800	1	*
Tynemouth	87·3	+12	S	8	ir	41	92	40	6	6	-	-	10	10	1500	1	4
St. Abbs Head	86·9	+8	W	2	r0r0	40	85	35	7	5	-	-	10	10	2500	1	4
Leuchars	86·5	+14	-	0	c-bc	38	97	38	7	-	7	-	0	10	-	1	*
Renfrew (Abbots I.)	88·4	+22	W	2	z0	36	92	34	6	5	7	-	2-3	4-6	2500	2	*
Eskdalemuir	86·7	+2	-	0	o	35	97	34	6	5	-	-	10	10	1200	1	*
Point of Ayre	88·1	+18	NNW	4	rr	42	88	38	7	6	2	-	9	10	1500	1	4
Tiree	89·4	+28	NNW	5	bc/pr	43	85	36	8	2	-	-	4-6	4-6	2000	2	4
Stornoway	87·6	+26	WNW	4	bc	39	85	35	8	8	-	-	4-6	4-6	2500	2	2
Dalwhinnie	87·0	+16	W	1	c	33	92	31	8	5	-	-	7-8	10	2500	1	*
Aberdeen †	86·2	+16	SW	1	cf+	39	92	36	3	-	7	-	0	10	-	1	2
Wick	83·4	+10	NW	3	bc	37	92	36	8	8	-	-	4-6	4-6	2000	1	*
Sumburgh	83·0	-20	S'W	4	r0r0	42	97	41	6	5	2	-	7-8	10	1200	1	4
Blacksod Point	97·7	+58	N	6	PHR	42	92	40	8	9	-	-	7-8	7-8	1600	2	5
Malin Head	91·2	+38	N	5	ir0	44	75	36	8	8	2	-	4-6	9	1500	2	4
Aldergrove	90·5	+30	NW	2	r0r0	37	92	35	6	5	2	-	9+	10	1400	1	*
Birr Castle	95·1	+38	N	3	b-bc	39	85	35	8	3	-	-	2-3	2-3	1500	1	*
Valentia Obsy.	01·6	+44	N'W	6	PHR	43	85	39	8	9	-	-	9+	9+	2500	1	5
Roches Point	97·4	+38	NW	6	pr	40	85	36	8	3	-	3	2-3	4-6	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
London (Kew)	42	39	37	Tr	6	0·2
Croydon	42	39	37	Tr	13	0·5
S. Farnborough	42	39	38	-	12	0·5
Boscombe Down	43	40	39	0·1	12	0·0
Thorney Island	45	41	39	-	8	*
Lympne	*	38	36	Tr	3	4·0
Manston	43	37	36	-	3	3·7
Shoeburyness	45			-		
Felixstowe	44	40	38	-	*	1·1
Gorleston	40	40	35	-	Tr	0·0
Mildenhall	41	39	35	0·2	0·1	0·0
Cranwell	40	37	37	-	1	0·0
Birmingham	42	39	37	Tr	11	0·0
Upper Heyford	41	39	38	-	5	*
Ross-on-Wye	45	40	38	Tr	22	0·0
Hartland Point	46	39	38	0·1	11	0·0
Bristol	46	41	39	0·5	12	0·0
Portland Bill	48	42	*	-	3	*
Plymouth	48	40	38	2	23	0·2
The Lizard	48	41	*	2	10	0·4
Scilly (St. Mary's)	48	49	*	0·6	11	0·9
Guernsey						
Pembroke	47	39	*	3	20	0·2
Holyhead (Valley)	47	41	40	1	24	*
Chester (Sealand)	45	39	23	Tr	4	0·0
Manchester	42	39	38	0·2	7	*
Spurn Head	39	39	*	Tr	Tr	0·0
Catterick	42	39	38	Tr	12	0·0
Tynemouth	41	40	35	*	2	*
St. Abbs Head	*	38	*	0·1	1	*
Leuchars	45	38	35	0·2	0·6	0·0
Renfrew (Abbots I.)	46	36	33	11	*	0·0
Eskdalemuir	41	34	34	6	17	0·0
Point of Ayre	47	42	*	Tr	14	0·0
Tiree	45	37	*	8	8	0·0
Stornoway	45	34	33	11	19	0·0
Dalwhinnie	38	33	29	4	8	0·0
Aberdeen †	42	39	32	Tr	2	0·0
Wick	43	36	*	Tr	0·2	*
Sumburgh	45	42	39	Tr	5	0·0
Blacksod Point	48	40	*	4	3	*
Malin Head	46	39		1	6	0·0
Aldergrove	45	35	34	2	4	0·0
Birr Castle	47	37	34	11	3	0·0
Valentia Obsy.	50	39	38	19	2	0·0
Roches Point	50	39	*	11	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 8th February $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 9th February $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	61754	49668	52	02644	50468	5-	64648	48668	57	02745	23325
115	52	25844	87687				52	62736	20368	52	62835	32468
203	6-	64738	16768				5-	03838	06368			
206	57	02965	53427	57	02844	18366	52	61856	14268	26	01854	20464
210	59	02962	51526	57	02864	49627	5-	02868	47468	27	01862	20424
220	62	64736	17668	62	66645	17368				80	81746	28586
230	62	61746	47468	62	61646	49568	52	02844	53428	53	01863	24223
245	52	62745	20468	52	22646	51468	02	62658	48568			
260	52	62754	18368				52	62755	18368	5-	22558	[illegible]
278	57	02845	18568	52	61647	51668	5-	02638	22368	6-	02857	29367
279	62	26744	51568	57	02765	18768	02	66648	29568	5-	61658	22168
280				6-	05630	20668				02	62748	28468
288	52	05556	48628	57	05566	48728	62	64664	47768	62	62544	48668
575	62	22745	51363	62	62636	51568	5-	21848	22258	30	01843	24183
301	52	22454	16568	52	05556	16668	02	62658	16868	57	22454	24268
321				57	05564	16428						
2.9	5-	05548	20428	5-	05648	20528	5-	14648	20768	5-	63648	20768
292				57	05563	16528	62	64646	49568	62	62646	49468
310	--	02428	20428									
614				52	05544	51428	5-	62545	51668	57	22546	51668

III	13h. G.M.T. 8th February $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 9th February $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	52	22755	18568	62	61745	16628	02	62668	22468	87	02756	24328
334				--	27647	20388				--	02647	20316
340	52	25655	16428	52	22645	51668	52	63656	51668	52	22755	28268
138	52	08477	18428	57	05664	18428	62	62644	17668	62	02847	16768
336	57	02756	20428	57	02656	20528				57	25656	28488
350				57	05665	51628	5-	22648	48768	5-	62648	49668
368	52	02755	20428	52	22755	18367	5-	62648	53668	5-	61648	24468
379	57	05664	20328	57	51645	51558	52	64536	53768	52	64637	18368
390	52	08463	19248				5-	05558	51628	52	82547	50668
382	07	68690	65528	07	05690	50638	52	64747	50768	52	64646	19468
438				52	02746	22518	8-	02748	20728	8-	64638	20868
430	57	05654	18428				5-	05658	40728	5-	64648	52868
409	53	02962	17528	57	22844	50668	52	66647	51568	52	22755	26465

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 9th February. Day 7h—18h Kew and Croydon, 9h—18h Kensington, 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cfxcz0	cirbcz0	czcrbrb
Croydon	bcmbcmb	cz0irbcmb	cmbcmrr
Greenwich	c	c	corr
Camden Square	c	o	*
Kensington	cmc	co	*
Hampstead	c	or	or

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0·5 7-9hrs 8th. Min. Time <0·1 0-7hrs 9th.

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew	42	39	37	Tr	6	0·2	*	*
Croydon	42	39	37	Tr	13	0·5	*	*
Greenwich	42	38	35	-	6·9	0·0	64	92
Westminster	44	39	36		4·5	*	60	90
Regents Park	43	35	32	-	5·0	*	66	91
Camden Square	43	37	32	-	4·3	*	*	92
Kensington	43	38	37	Tr	5·8	*	68	94
Hampstead	41	37	34	-	4·6	*	*	95

SECRET

Page 1 BRITISH SECTION

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

Wednesday, 10th February 1943.

No. 29665

OBSERVATIONS at 13h. G.M.T. 9th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	92·9	+14	W'N	3	rr	42	85	38	5	6	2	-	9	10	1500
	Croydon	92·9	+8	W'N	3	r°r°	42	92	40	6	6	2	-	9	10	1200
	S. Farnborough	93·3	+20	WNW	3	r°r°	42	92	40	6	5	2	-	9+	10	800
	Boscombe Down	95·0	+18	WNW	4	c	43	85	37	7	8	7	-	4-6	9	2500
	Thorney Island	94·5	+18	W	3	rr	43	85	39	6	6	2	-	7-8	10	1500
	Lympne	92·1	-18	WSW	2	id	42	97	41	6	5	2	-	7-8	10	800
	Manston	93·0	-12	SSW	3	r°r°	40	92	40	6	6	2	-	7-8	10	600
2	Shoeburyness	93·4	-12	NW	3	ir°	43	92	41	6	5	-	-	10	10	800
	Felixstowe	91·1	-26	S'E	5	ir°	41	92	39	6	5	1	-	9	10	1500
	Gorleston	90·4	-40	S'W	6	r°r°	41	97	40	6	6	-	-	10	10	800
	Mildenhall	91·3	0	NW'W	3	cr°	42	92	40	6	5	1	-	4-6	10	2000
	Cranwell	91·7	+14	W'N	3	c°d	43	85	38	6	5	-	-	9+	9+	3500
3	Birmingham	93·8	+16	NW	4	pr°	42	85	38	6	8	-	-	9+	9+	1500
	Upper Heyford	92·5	+12	NW	3	c	42	85	38	8	5	-	5	9	9+	1800
4	Ross-on-Wye	94·6	+14	NW'W	3	c-bc	45	75	36	8	8	-	1	7-8	7-8	3000
5	Hartland Point	98·7	+38	NW	5	c-bc	41	97	41	7	8	6	-	4-6	7-8	1500
	Bristol	95·4	+20	W	3	c	45	85	39	7	8	4	2	2-3	9	2500
	Portland Bill	96·7	+22	W	6	c-bc	45	92	43	8	2	4	-	4-6	7-8	4000
	Plymouth	98·9	+26	NW	4	c-bc/pr	44	75	37	8	8	6	3	7-8	7-8	2000
	The Lizard	00·5	+30	NW	6	bc/pr	47	75	36	8	2	-	-	7-8	7-8	2000
	Scilly (St. Mary's)	03·2	+30	NW	6	pr	48	75	40	8	8	-	-	4-6	4-6	1500
	Guernsey															
6	Pembroke	99·2	+30	WNW	6	c-bcq	46	75	39	8	8	4	-	7-8	7-8	2000
7	Holyhead (Valley)	96·5	+32	NNW	5	c-bc	45	85	40	8	8	6	3	4-6	7-8	2000
	Chester (Sealand)	94·0	+28	NW	4	c	45	75	39	7	3	3	-	4-6	9+	2000
8	Manchester	93·2	+20	NWW	5	z°	43	85	41	6	2	3	-	7-8	10	4000
10	Spurn Head	89·6	0	NW'W	7	c	43	75	37	7	7	-	-	10	10	2200
	Catterick	91·1	+20	NNW	3	c-bc	44	75	35	8	5	7	-	4-6	9+	1400
	Tynemouth	90·8	+20	NW	3	c-bc/r	44	75	37	6	8	-	-	7-8	7-8	1400
11	St. Abbs Head	90·7	+20	WNW	4	bc	42	75	33	7	5	4	-	2-3	4-6	2500
	Leuchars	90·5	+14	W	4	bc	46	65	34	9	1	4	2	2-3	4-6	2500
12	Renfrew (Abbots I.)	93·1	+26	WNW	4	c-bc	45	75	36	9	3	-	3	4-6	7-8	1600
	Eskdalemuir	91·6	+30	WNW	2	b-bc	42	65	32	8	7	4	1	Tr	2-3	2500
	Point of Ayre	94·5	+28	N'W	6	b	46	75	38	8	2	-	-	1	1	3000
13A	Tiree	95·5	+34	NNW	5	c-bc/phr	46	75	37	8	3	-	-	4-6	7-8	2000
13B	Stornoway	91·9	+18	WNW	3	c-bc/pr	41	85	37	8	3	-	3	7-8	7-8	2500
15	Dalwhinnie	99·2	+20	W	3	c	37	85	33	7	5	9	-	4-6	9	1500
	Aberdeen	89·0	+12	NW	4	bc	45	65	35	8	5	-	6	2-3	4-6	2500
	Wick	87·9	+22	WNW	4	PR	42	85	37	8	9	-	-	7-8	7-8	1000
16	Sumburgh	83·0	+6	WSW	4	pr°	43	85	40	6	8	-	-	9+	9+	900
17	Blacksod Point	04·7	+30	NW	5	bc	49	65	38	8	8	-	6	2-3	4-6	2500
18	Malin Head	97·3	+26	NNW	5	c-bc/pr	46	75	38	8	2	2	-	4-6	7-8	1500
	Aldergrove	97·6	+30	NW	4	c-bcjp	45	75	38	8	3	7	3	7-8	7-8	2000
19	Birr Castle	02·8	+34	NNW	4	c-bc	47	75	39	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	09·3	+34	NW'N	5	c	48	75	40	8	3	6	-	7-8	9	2500
	Roches Point	03·9	+26	N'W	6	bc	48	85	44	8	3	-	1	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 9th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	98·4	+40	WNW	2	z°	43	75	36	5	5	-	1	4-6	7-8	4000	1	*
	Croydon	98·3	+38	WNW	3	m	43	75	35	4	5	3	-	2-3	9	5000	1	*
	S. Farnborough	98·7	+36	W'N	4	bc	43	75	36	8	8	4	-	2-3	4-6	2500	1	*
	Boscombe Down	01·0	+42	W'N	4	z°	41	85	36	6	8	-	8	4-6	4-6	3000	1	*
	Thorney Island	99·1	+42	WNW	3	c-bc	41	85	37	7	5	3	-	4-6	7-8	2500	1	*
	Lympne	97·3	+34	W'N	3	ir°	39	97	39	5	5	2	-	9	10	1800	1	§4
	Manston	95·9	+34	WNW	3	rr	40	97	40	4	6	2	-	7-8	10	1000	1	*
2	Shoeburyness	96·8	+8	WNW	3	r°r°	42	92	40	6	5	-	-	10	10	800	1	*
	Felixstowe	94·8	+32	W	4	r°r°	42	92	40	5	5	2	-	2-3	10	2500	1	3
	Gorleston	92·3	+10	NW'W	3	z°	41	92	39	5	5	-	-	10	10	800	1	4
	Mildenhall	95·3	+30	WNW	3	s-r°	43	85	39	5	8	-	-	7-8	9+	1200	1	*
	Cranwell	96·0	+26	NW	3	z°	42	75	35	6	5	3	-	1	4-6	3000	1	*
3	Birmingham	98·8	+34	WNW	5	z°	43	75	36	6	8	7	-	7-8	7-8	1500	1	*
	Upper Heyford	98·1	+30	NW'N	4	bc/pr	41	85	37	8	8	4	1	2-3	4-6	2000	1	*
4	Ross-on-Wye	01·0	+34	WNW	3	bc	43	75	36	8	8	4	3	1	4-6	3000	1	*
5	Hartland Point	05·0	+40	NNW	5	bc	46	75	39	8	2	-	-	4-6	4-6	1800	1	5
	Bristol	02·4	+30	NW	4	z°	42	85	37	6	8	7	-	4-6	7-8	2500	1	*
	Portland Bill	02·2	+44	W	5	bc	46	92	44	8	2	-	-	4-6	4-6	4000	1	6
	Plymouth	05·9	+50	NW	4	b-bcjp	45	75	37	7	3	6	3	2-3	2-3	2000	1	3
	The Lizard	07·6	+40	NW	6	c-bc	47	75	38	8	3	7	-	7-8	7-8	2000	1	5
	Scilly (St. Mary's)	09·1	+20	NW	6	bc	48	75	40	8	8	4	4	4-6	4-6	1500	1	6
	Guernsey																	
6	Pembroke	05·0	+24	NW	6	bcq	47	75	38	8	8	4	-	4-6	4-6	2000	1	4
7	Holyhead (Valley)	01·6	+30	NW	6	c-bc	45	75	38	8	8	6	-	4-6	7-8	2000	2	5
	Chester (Sealand)	99·1	+34	NW'W	4	pr°	44	85	39	7	8	7	-	4-6	9	1600	1	*
8	Manchester	98·1	+32	W'N	4	z°	42	85	37	6	4	6	-	2-3	7-8	4000	1	*
10	Spurn Head	94·5	+24	NW'W	4	c	43	75	37	7	7	3	-	4-6	9+	2500	0	4
	Catterick	95·4	+20	WNW	3	bc	42	75	34	7	8	6	-	4-6	4-6	3000	1	*
	Tynemouth	94·0	+20	NW	3	b-bc	42	75	34	6	-	4	-	0	2-3	-	1	3
11	St. Abbs Head	93·1	+10	WNW	3	bc	42	75	34	7	5	4	-	2-3	4-6	2500	0	4
	Leuchars	93·7	+15	WNW	4	b-bc	42	75	33	9	5	4	2	Tr	2-3	3000	1	*
12	Renfrew (Abbots I.)	96·0	+12	WNW	5	cq	43	75	35	8	8	-	2	7-8	9	1600	2	*
	Eskdalemuir	94·8	+26	WNW	4	c-bc	39	75	33	8	2	4	2	1	7-8	2500	1	*
	Point of Ayre	98·9	+28	NNW	6	cq	45	75	36	8	9	7	3	4-6	9+	1800	1	5
13A	Tiree	98·8	+30	NW'W	6	c-bcjp	43	75	34	8	3	6	2	4-6	7-8	2500	1	5
13B	Stornoway	95·1	+26	WNW	5	c-bc	40	85	35	8	3	6	9	4-6	7-8	2500	1	5
15	Dalwhinnie	94·5	+16	WNW	3	c	37	85	32	7	5	3	-	7-8	9+	2500	1	*
	Aberdeen	92·1	+18	WNW	3	z°	40	75	33	6	4	4	8	Tr	1	4000	1	2
	Wick	90·8	+4	WNW	4	bc	39	85	34	8	9	-	-	2-3	4-6	1000	1	*
16	Sumburgh	86·4	+14	W	5	bc/pr	43	85	38	8	3	6	-	4-6	4-6	2000	1	4
17	Blacksod Point	08·3	+22	NW	6	c	47	75	39	8	8	3	-	4-6	9	2500	1	5
18	Malin Head	00·4	+46	NWW	6	bc	46	85	42	8	2	-	-	4-6	4-6	1500	2	4
	Aldergrove	02·2	+30	WNW	4	c-bcjp	42	75	36	8	3	4	3	4-6	7-8	2500	1	*
19	Birr Castle	07·2	+28	NNW	2	bc	43	85	39	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	12·9	+22	NW	4	pr°	47	75	39	8	9	-	3	7-8	9+	2500	1	4
	Roches Point	08·8	+30	N	6	pr°	47	85	43	8	3	-	5	2-3	4-6	1500	1	3

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 9th (39)	13h.—18h. 9th (40)	18h. 9th to 1h. 10th (41)	1h.—7h. 10th (42)
1	London (Kew)	remr°r°	r°bcm	bcbcm	cm
	Croydon	dr°r°	crrmcm	bcmcm	bmbcm
	S. Farnborough	cmr°r°	cmrrmcbc	bcbprbccb	bcmc
	Boscombe Down	cr°r°mc	cbccbcm	bcmbmb	bcmcmbc
	Thorney Island	crrir°rr	crrc	cbcmbm	bmcm
	Lympne	cr°mc	cdRrr	cbcm	bcmbcc
	Manston	crrm	cr°rr	bcbm	bbcm
2	Shoeburyness	rrirmc	crcrmc		
	Felixstowe	cirmcrrcrr	crrmcrrm	crrmbcm	bccbm
	Gorleston	orr	orcm	bcz	bcb
	Mildenhall	crroirm	cmir	cmbcm	cmb,bc
	Cranwell	cr°cm	cm	bm	bm
3	Birmingham	orc	cpr	cir°	cdcb
	Upper Heyford	cmrrmc	ccprbc	bcbc	bcprbc
4	Ross-on-Wye	r°cbbc	bcp°bc	p°cbbc	bcc
5	Hartland Point	cpr	cbc	bc	bcc
	Bristol	cir°cm°pc	ccprqmbcz	bcppbm	bcmcm
	Portland Bill	cc	cbc	bb	bcbc
	Plymouth	cpccpr	cprbc	bcprbbc	cbcir
	The Lizard	cbcprm	bcprc	cprbc	cprbc
	Scilly (St. Mary's)	cphq	bc	bcp°c	cr°r°
	Guernsey				
6	Pembroke	prq	cbcq	bcq	crrq
7	Holyhead (Valley)	cprm°c	bc	cprbc	bcir
	Chester (Sealand)	cr°r°prm	cpr°	cprbc	cpr°c
8	Manchester	cirm	cbc	cmbccb	birm
10	Spurn Head	O	c	bc	bc
	Catterick	cprc	cbc	b	bcmb
	Tynemouth	ocir°c	cbc	bcb	bbc
11	St. Abbs Head	cr°rrcbcm	bcmcbc	bb-b	bbcc
	Leuchars	cbc	bcb	bcb	bbcc
12	Renfrew (Abbots I.)	bcmbbc	bcprpreq	bc	r°r°cm
	Eskdalemuir	bcb	bbc	bc	bccor°
	Point of Ayre	cb	bbcc	cprbq	bbccr°r
13A	Tiree	cpr°phbc	cpr°o	bcprphrbc	rrir°rrr°
13B	Stornoway	bcprhc	ccpr°bcjp	bcbbc	bcirrr°m
15	Dalwhinnie	cbc	cpr°		bcbir°o
	Aberdeen	cfcbc	bcbz°	bz°x	bcczx
	Wick	cpr°c	bcprbc	bcprbc	bccprxbc
16	Sumburgh	cid°cpr°	cpr°bc	bcp°bc	bcpr°c
17	Blacksod Point	bc	c	r	r
18	Malin Head	pr	pr	pr	r
	Aldergrove	r°r°mcpr°	cphrbc	cpr°b	bbccr°r°m
19	Birr Castle	pr	pr		r
20	Valentia Obsy.	pr	pr	pr	r
	Roches Point	pr	pr	bc	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 10th February 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate to fresh west to northwest winds; cloudy; rain today; moderate or poor visibility; rather cold.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Moderate or fresh, west to northwest winds; cloudy; rain at times; much hill fog and local coast fog; mild.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light southwest winds veering fresh northwest; much rain and cloud with hill fog at first; cloudy later, with local drizzle; rather cold.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light variable winds, becoming moderate or fresh west to northwest; cloudy, with much hill fog, and rain at times; rather cold.
16 Orkneys and Shetlands	Light or moderate northwest winds; variable cloud and a few showers; cold.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh northwesterly winds, backing later; cloudy, with much hill fog, and occasional rain; local coast fog; mild.

GENERAL INFERENCE

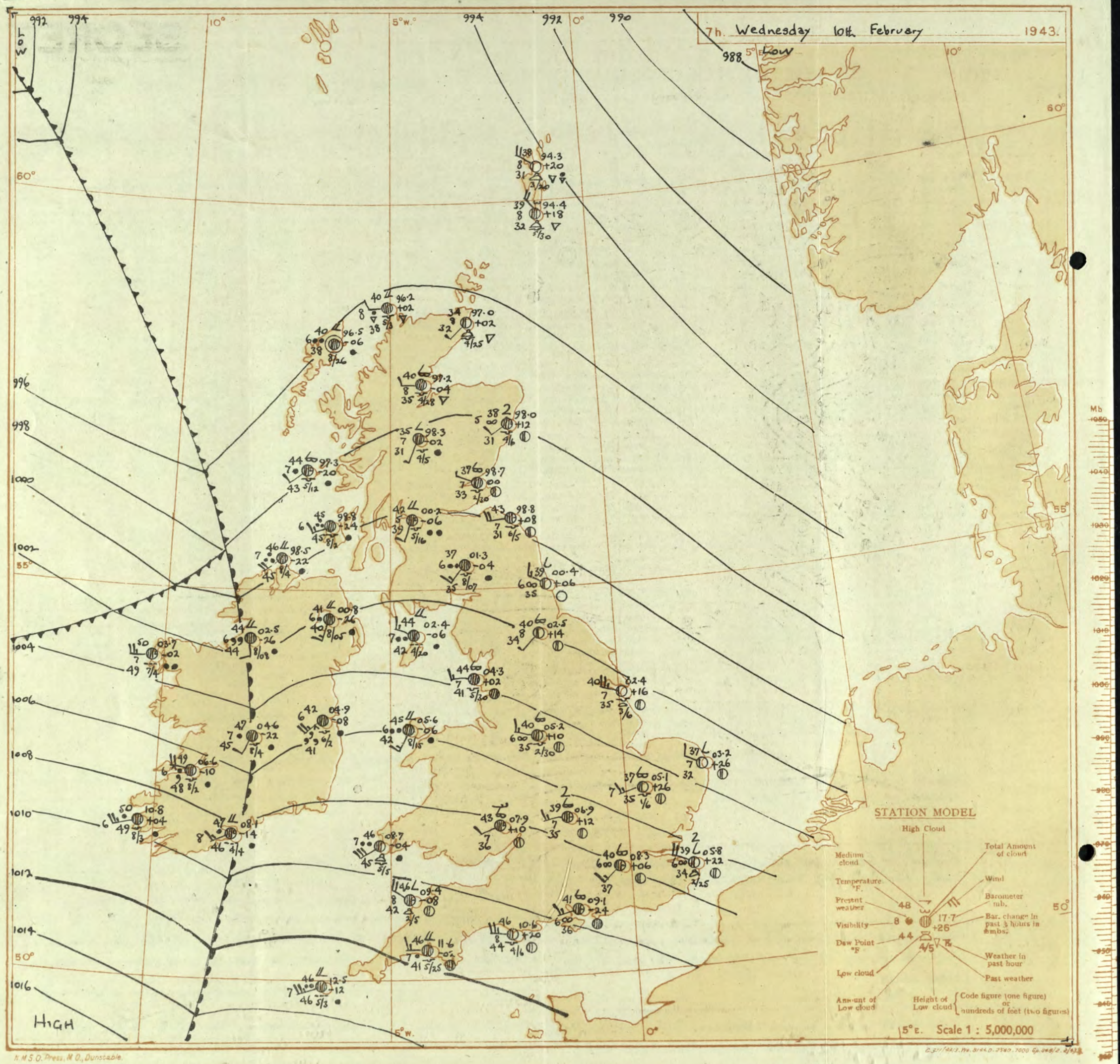
A weak ridge of high pressure is moving east across the British Isles. A small depression west of Scotland and an associated trough over Eire will move southeast. Weather will be generally cloudy, with rain at times in all areas. It will be mild in the west and southwest, and rather cold elsewhere.

FURTHER OUTLOOK

Unsettled westerly type, with rain spreading east across British Isles.

Forecasts issued at 10·30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

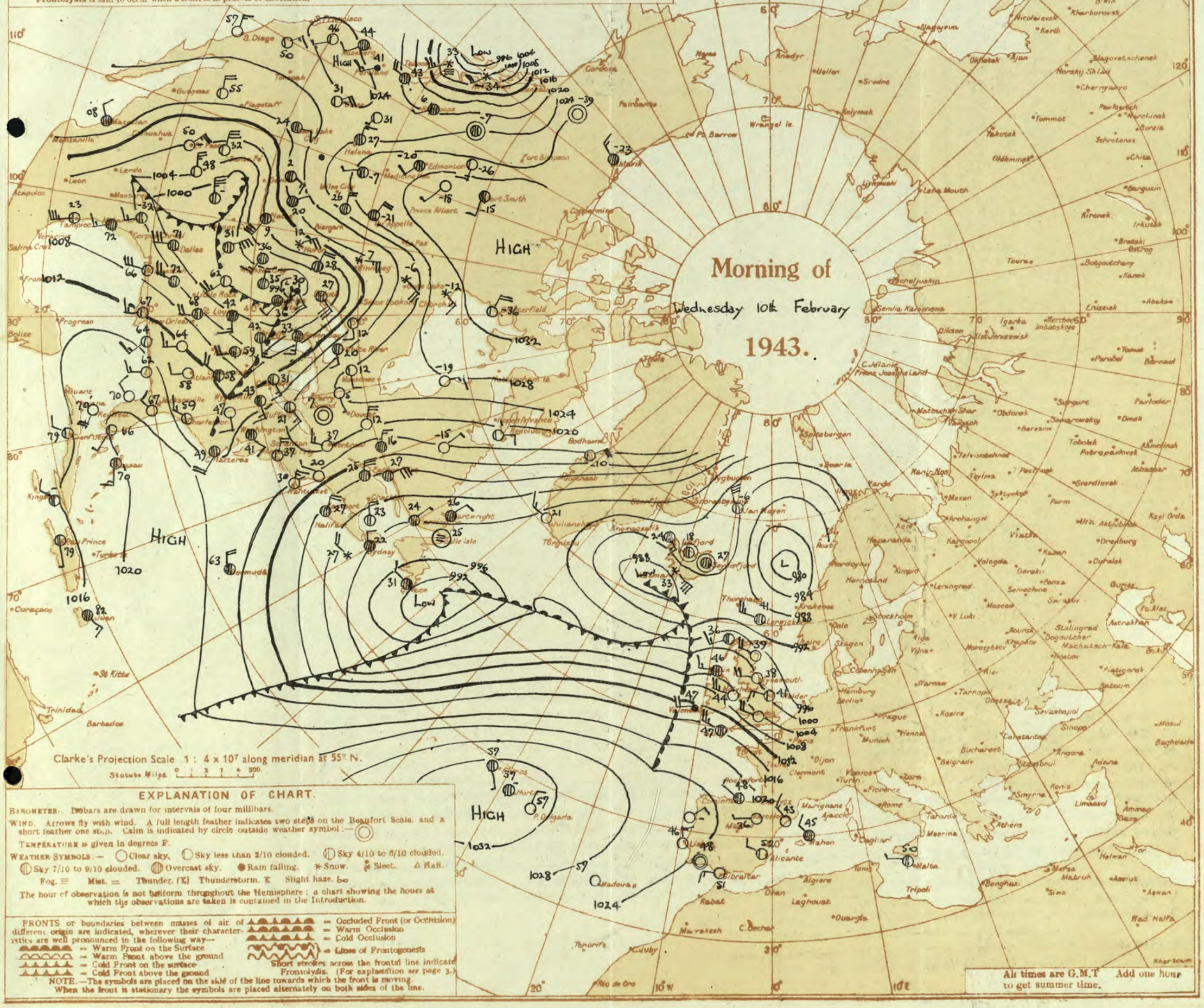
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis
Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Wednesday, 10th February 1943

No. 29665

OBSERVATIONS at 1 hr. G.M.T. 10th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	290	04·9	+24	WNW	4	z	42	85	37	5	5	-	-	7-8	7-8	2600
	S. Farnborough	226	05·3	+22	W'N	4	b	40	85	35	8	-	-	-	0	0	-
	Boscombe Down	417	07·1	+22	W'N	4	b	40	85	37	7	-	-	-	0	0	-
	Thorney Island	10	05·9	+16	WNW	3	z	41	85	36	6	-	-	-	0	0	-
	Lympne ...	283	03·1	+22	W	4	z	39	85	35	6	-	3	1	0	4-6	-
	Manston ...	154	02·2	+26	WNW	3	z	41	85	36	6	5	-	-	2-3	2-3	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	00·3	+14	W'S	5	z	41	85	36	6	5	-	-	4-6	4-6	4300
	Gorleston ...	5	98·8	+20	WNW	3	z	39	85	36	6	5	-	-	4-6	4-6	1500
	Mildenhall ...	15	00·9	+18	W'S	4	z	40	85	36	6	5	-	-	10	10	1800
	Cranwell ...	203	00·7	+14	W	3	z	40	85	35	6	-	7	-	0	1	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·2	+20	NW	5	b-bc	40	85	35	7	5	-	-	2-3	2-3	3300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·4	+20	NW	5	b-bc	46	85	41	8	2	-	-	2-3	2-3	2500
	Bristol ...	209	07·7	+18	W'N	4	z	42	85	37	6	8	-	-	7-8	7-8	1500
	Portland Bill ...	32	07·5	+22	W	5	b	43	92	41	8	-	-	-	0	0	-
	Plymouth ...	82	11·1	+12	NW'W	4	b-bc	45	75	37	7	4	-	-	2-3	2-3	2500
	The Lizard ...	240	12·9	+20	NW	5	bc	46	75	39	8	4	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	14·2	+14	NW	5	c	47	85	42	8	8	6	-	7-8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	10·7	+20	WNW	5	bcq	46	75	37	7	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	06·2	+8	WNW	5	b	44	75	36	8	5	-	-	Tr	Tr	3000
	Chester (Sealand)	16	03·8	+16	NW	5	c	45	75	39	8	8	-	1	9	9	2600
8	Manchester ...	235	03·6	+18	N	4	b	41	85	37	8	4	-	-	1	1	2500
10	Spurn Head ...	29	98·5	+8	W'N	5	b-bc	41	85	36	7	1	-	-	2-3	2-3	2500
	Catterick ...	175	00·4	+24	NW	3	b-bc	40	75	34	8	-	-	1	0	2-3	-
	Tynemouth ...	108	98·3	+16	W	4	b	38	85	33	7	-	-	-	0	0	-
11	St. Abbs Head	280	97·4	+18	WNW	5	b	41	65	30	7	4	-	-	1	1	4000
	Leuchars ...	36	97·6	+6	NW'W	3	b	39	75	32	8	-	-	-	0	0	-
12	Renfrew (Abbots L.)	19	00·6	+10	W'S	3	z	37	85	33	6	-	1	-	0	2-3	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	02·8	+10	NW'N	6	b	44	85	38	8	3	-	-	1	1	2600
13A	Tiree	44	00·7	-4	W	4	r	44	85	39	8	8	7	6	7-8	10	1800
13B	Stornoway ...	15	97·5	-2	WSW	3	bc	36	92	34	8	5	-	-	4-6	4-6	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	96·3	+12	WNW	4	b	39	75	32	9	-	4	-	0	Tr	-
	Wick ...	114	95·1	+20	NW	4	b-bc	40	75	33	8	8	-	-	2-3	2-3	2000
16	Sumburgh ..	19	90·6	+22	NW	5	bc-pr	41	85	35	8	8	-	-	4-6	4-6	2500
17	Blacksod Point	18	06·8	-22	W	4	r	46	97	45	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	02·5	-6	W	3	r	46	85	42	8	8	2	-	7-8	9+	1500
	Aldergrove ...	268	04·6	-2	W	3	b	40	85	36	8	-	-	-	0	0	-
19	Birr Castle ...	173	12·4	-6	W'S	4	ir	47	92	45	6	5	-	-	10	10	1500
20	Valentia Obsy.	30	12·1	-2	WSW	4	bc	44	85	40	8	5	-	-	4-6	4-6	1500
	Roches Point	22															

OBSERVATIONS at 7 hr. G.M.T. 10th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	07·8	+2	WSW	2	z	41	85	36	6	7	9	5	2-3	7-8	4000	1	*
	Croydon ...	08·3	+6	WSW	3	z	40	85	37	6	-	7	-	0	9+	-	1	*
	S. Farnborough	08·5	+18	W'S	3	c	39	85	36	7	-	7	-	0	9+	-	1	*
	Boscombe Down	10·0	+18	W	3	bc	38	92	36	7	-	7	-	0	4-6	-	1	*
	Thorney Island	09·1	+24	W'S	3	z	41	85	36	6	-	7	-	0	9	-	1	*
	Lympne ...	07·2	+26	W'S	2	c	37	85	35	7	5	3	6	Tr	9	2500	1	* 3
	Manston ...	05·8	+22	WNW	4	z	39	85	34	6	2	4	6	1	4-6	2500	1	*
2	Shoeburyness ...	05·7	+10	W'N	3	z	40	85	34	6	5	-	-	4-6	4-6	1500	1	*
	Felixstowe ...	04·5	+18	W'S	5	z	40	85	37	6	-	3	-	0	Tr	-	1	4
	Gorleston ...	03·2	+26	NW'W	2	b-bc	37	85	32	7	-	4	-	0	2-3	-	1	2
	Mildenhall ...	05·1	+26	W'S	3	bc	37	92	35	7	5	7	-	Tr	4-6	4000	1	*
	Cranwell ...	04·4	+14	W	3	z	38	92	36	6	-	7	2	0	4-6	-	1	*
3	Birmingham ...	06·7	+8	WSW	3	z	39	85	35	6	-	7	-	0	7-8	-	1	*
	Upper Heyford	06·9	+12	W	3	c	39	85	35	7	-	7	6	0	9	-	1	*
4	Ross-on-Wye	07·9	+10	W'S	2	c	43	75	36	7	-	7	2	0	9+	-	1	*
5	Hartland Point	09·4	-8	NW	4	c	46	85	42	8	2	1	-	1	9	2500	1	4
	Bristol ...	09·4	+4	W	3	z	42	85	39	6	-	7	-	0	10	-	1	*
	Portland Bill ...	10·6	+20	W	5	bc	46	92	44	8	5	-	-	4-6	4-6	4000	1	6
	Plymouth ...	11·6	-2	W	3	ir bc	46	75	41	7	5	2	-	7-8	10	2500	1	4
	The Lizard ...	12·3	+2	NW	5	bc-pr	46	75	39	7	5	-	-	4-6	4-6	1500	1	4
	Scilly (St. Mary's)	12·5	-12	WSW	5	r	46	97	46	7	6	2	-	7-8	10	800	1	5
	Guernsey ...																	
6	Pembroke ...	08·7	-4	SW'W	6	r	46	92	45	7	8	-	-	7-8	7-8	2500	1	3
7	Holyhead (Valley)	05·6	-6	SW'S	3	r	45	92	42	6	-	2	-	10	10	1500	1	2
	Chester (Sealand)	05·2	+6	W	3	c	45	75	37	7	5	2	-	4-6	9+	3000	1	*
8	Manchester ...	05·6	+10	SW	3	c-r	42	85	38	6	5	3	-	4-6	9	2000	1	*
10	Spurn Head ...	02·4	+16	W'N	5	b-bc	40	85	35	7	7	-	-	2-3	2-3	4000	0	4
	Catterick ...	02·9	+14	SW	1	bc	40	75	34	8	-	7	-	0	4-6	-	1	*
	Tynemouth ...	00·4	+6	NW	3	z	39	85	35	6	-	4	-	0	4-6	-	0	2
11	St. Abbs Head	98·8	+8	W	4	c	43	65	31	7	5	-	-	9	9	2500	0	4
	Leuchars ...	98·7	0	WNW	1	c	37	85	33	7	5	7	-	1	10	3000	0	*
12	Renfrew (Abbots L.)	00·2	-6	SSW	2	c-r	42	85	39	5	5	2	-	7-8	9+	1600	2	*
	Eskdalemuir ...	01·3	-4	SW	3	r	37	92	35	6	5	-	-	10	10	700	1	*
	Point of Ayre ...	02·4	-6	W'N	3	r	44	92	42	7	6	2	-	4-6	10	1000	1	4
13A	Tiree	97·3	-20	W'S	2	ir	44	97	42	7	5	7	-	7-8	9+	1200	1	2
13B	Stornoway ...	96·5	-6	-	0	r	40	92	38	6	-	2	-	10	10	2600	2	1
15	Dalwhinnie ...	98·3	-2	SSW	1	0	35	85	31	7	5	1	-	4-6	10	2500	1	*
	Aberdeen † ...	98·0	+12	WSW	2	z	38	75	31	5	5	-	6	4-6	9+	4000	3	2
	Wick ...	97·0	+2	SW	1	bc	34	97	32	8	8	-	7	4-6	4-6	2500	1	*
16	Sumburgh ..	94·4	+18	NNW	4	c-bc	39	75	32	8	8	3	-	7-8	7-8	3000	1	4
17	Blacksod Point	03·7	-2	W	5	c-r	50	97	49	7	6	-	-	9+	9+	1500	2	4
18	Malin Head ...	98·5	-22	SW'W	4	r	46	97	45	7	-	2	-	10	10	1500	2	4
	Aldergrove ...	00·8	-26	SSW	3	ir	41	97	40	6	-	2	-	10	10	500	1	*
19	Birr Castle ...	04·6	-22	SW	2	ir	47	92	45	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	10·8	+4	W	5	ir	50	97	49	6	5	-	-	10	10	800	1	4
	Roches Point	08·1	-14	W'S	3	ir	47	97	46	8	6	2	-	4-6	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
1	London (Kew)	44	40	33	5	-	0·0
	Croydon ...	43	39	36	11	-	0·0
	S. Farnborough	44	38	33	3	Tr	0·0
	Boscombe Down	45	37	33	1	-	1·4
	Thorney Island	46	39	30	2	-	*
	Lympne ...	*	37	34	6	0·1	0·0
	Manston ...	42	39	37	8	1	0·0
2	Shoeburyness ...	43	39	31	4	-	0·0
	Felixstowe ...	42	40	36	2	Tr	0·0
	Gorleston ...	42	37	33	6	-	0·0
	Mildenhall ...	44	36	32	1	Tr	0·0
	Cranwell ...	45	37	34	0·2	Tr	0·0
3	Birmingham ...	44	38	36	0·6	1	1·2
	Upper Heyford	43	38	Tr	3	34	*
4	Ross-on-Wye	46	41	34	0·5	Tr	2·9
5	Hartland Point	47	45	43	1	-	2·5
	Bristol ...	46	41	34	1	Tr	2·9
	Portland Bill ...	46	41	*	0·6	-	*
	Plymouth ...	46	44	41	2	1	2·5
	The Lizard ...	48	44	*	1	0·5	5·4
	Scilly (St. Mary's)	49	45	*	2	1	6·8
	Guernsey ...						
6	Pembroke ...	48	42		1	1	3·2
7	Holyhead (Valley)	47	42	40	1	1	*
	Chester (Sealand)	46	41	38	1	1	1·9
8	Manchester ...	45	40	37	0·5	0·1	*
10	Spurn Head ...	43	38	*	-	-	0·1
	Catterick ...	45	39	32	-	Tr	2·4
	Tynemouth ...	46	37	34	2	-	*
11	St. Abbs Head	*	39	*	0·4	-	*
	Leuchars ...	47	35	30	-	-	5·5
12	Renfrew (Abbots L.)	46	37	34	0·2		5·1
	Eskdalemuir ...	44	36	34	-	0·3	6·3
	Point of Ayre ...	47	42	*	1	2	5·0
13A	Tiree	47	38	*	0·2	3	*
13B	Stornoway ...	43	42	32	5	3	3·3
15	Dalwhinnie ...	40	34	30	1	0·6	2·4
	Aberdeen † ...	45	37	30	-	-	3·9
	Wick ...	44	34	32	3	3	*
16	Sumburgh ..	44	38	35	1	0·4	0·3
17	Blacksod Point	49	45	*	0·4	2	*
18	Malin Head ...	47	42		1	4	2·4
	Aldergrove ...	45	39	38	2	0·5	3·9
19	Birr Castle ...	49	39	36	0·2	0·3	5·1
20	Valentia Obsy.	49	45	42	2	0·6	2·9
	Roches Point	49	44	*	0·4	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 9th February ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	87	01763	27564	30	05745	25585
115				37	02844	61686
203	8-	25848	28428			
206	27	25853	24287	36	25843	26384
210	86	81864	25486	36	01853	23313
220	03	02855	28485	3-	25845	26585
230	36	02955	26415	36	25856	30485
245	20	01963	23204	24	01962	27213
260	10	01863	18314	57	01764	22214
278	86	01844	29614	96	10845	61687
279	14	01864	26264	46	02863	28316
285				23	01743	30414
288	52	05554	28467	44	17753	24314
575	8-	25845	31385	84	01744	30485
301	34	02754	30365	87	05652	28414
321				44	08462	26324
2..	5-	05638	38428	50	01744	28314
292	57	22943	29366	40	01863	28313
310	--	02628	24248	--	01635	26315
614	57	05544	24328	54	05653	24214

01h. G.M.T. 10th February ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	00	00790	27480	52	62643	23417
115	87	25844	28486	52	81835	24288
203						
206	36	25855	26485	57	02854	24288
210	20	01962	23482	57	02963	20327
220				82	81755	00018
230				52	62642	20268
245	00	01980	25111	57	02964	23117
260	00	00790	24300	4-	02768	24328
278	3-	81747	93587	57	02744	22467
279	03	01890	18112	52	62645	21468
285						
288	50	01751	57401	07	01890	19314
575	50	02744	61488	02	52638	20268
301	00	00790	28500	57	02765	24328
321				04	05590	26413
2..	40	01751	28301	10	01763	24303
292	00	00890	29410	03	02890	24115
310				--	02428	24428
614	50	05651	28321	54	05644	26215

13h. G.M.T. 9th February ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	83	01754	63484	24	10855	28526
334	--	27644	28275	--	27643	32274
340	89	02754	28267	84	01643	30423
136	02	22638	20368	5-	61647	26468
336	57	25754	32486	57	02754	28416
350	52	05645	27368	84	01654	26325
368	80	01854	28414	86	01853	28383
379	77	02753	26227	23	25845	28485
390	52	62506	25368	53	05543	26364
382	57	02853	26367	44	02854	28424
438	52	02746	24528	52	02645	24427
430	57	61645	23468	57	02754	24126
409	36	02855	61786	86	02855	63626

01h. G.M.T. 10th February ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	50	01753	57483	52	62655	20368
334				--	63537	24388
340	3-	25753	28383	57	01754	26314
136	50	05674	25464	04	05690	23204
336				57	02654	28428
350	5-	05645	27425	53	05663	22324
368	00	00790	28500	53	05653	24318
379	00	00790	28310	04	01790	26324
390	5-	05648	26318	50	05662	24312
382	04	01790	60313	07	02790	24476
438	50	01744	24414	81	02744	24417
430	00	00790	28200	07	02790	25316
409	8-	02655	28588	54	22645	26568

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 10th February

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	rcmorr	rrbcmo	bcbcmo	Kew 24 hours ended 7h. Max. Time 0·3 11-19h 9th. Min. Time 0·1 0-6h 10th
Croydon ...	dorro	crrmocm	bcmocm	
Greenwich ...	rro	rrrrc	cbccm	
Camden Square	cr	c	*	
Kensington ...	or	cbc	*	
Hampstead ...	or	o	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 18h % Today	Humidity 9h % Today
Kew	44	40	33	5	-	0·0	*	*
Croydon ...	43	39	36	11	-	0·0	*	*
Greenwich ...	43	39	32	4	-	0·0	89	80
Westminster ...	46	39	32	3			92	87
Regent's Park ...	44	40	36	3	-		87	79
Camden Square	43	40	33	4	-	*	*	83
Kensington ...	45	38	31	4	-		81	85
Hampstead ...	42	39	31	5	-		*	83

SECRET

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

Thursday 11th February 1943.

No. 29666

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	06·7	-10	WSW	3	++	44	85	39	6	6	2	-	1	10	2500
	Croydon	08·4	-2	SW	3	iro	45	85	40	6	5	2	-	4-6	10	1200
	S. Farnborough	07·6	-14	SW	4	++	43	85	40	6	5	-	-	10	10	1000
	Boscombe Down	07·5	-20	SSW	4	i+o	43	92	41	7	5	2	-	7-8	10	1000
	Thorney Island	08·7	-10	WSW	3	+o+o	46	75	38	6	6	2	-	1	10	1500
	Lympne	08·1	-10	W'S	2	c	44	85	40	7	-	2	-	0	10	-
	Manston	07·3	-2	WSW	3	zo	45	75	37	6	5	2	-	7-8	10	3500
2	Shoeburyness	07·5	+2	SSW	3	zo	46	75	39	6	-	7	-	0	10	-
	Felixstowe	06·2	-2	SW	4	zo	45	75	38	6	-	7	-	0	9+	-
	Gorleston	04·5	+2	W'N	4	c	~~44~~	85	43	7	5	-	-	10	10	1400
	Mildenhall	04·8	-8	WSW	4	i+o	46	75	39	7	9	7	-	0	10	-
	Cranwell	03·3	-14	SW	4	iro	43	85	39	5	-	2	-	0	10	-
3	Birmingham	03·8	-18	S	3	+o+o	40	97	39	5	6	-	-	10	10	800
	Upper Heyford	06·2	-8	SSW	3	++	42	92	40	5	5	2	-	9	10	400
4	Ross-on-Wye	04·6	-24	SW'S	4	id	43	92	42	6	5	-	-	10	10	1000
5	Hartland Point	07·2	-2	NW	3	c	49	97	49	7	5	2	-	9	10	800
	Bristol	06·3	-24	SW	3	dodo	45	97	44	5	-	2	-	10	10	800
	Portland Bill	08·3	-14	SW	5	++	47	92	45	7	5	3	-	10	10	2500
	Plymouth	08·7	-22	WNW	3	zo	52	92	50	6	5	-	-	10	10	1000
	The Lizard	11·3	0	W	6	c/+	50	97	50	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	11·6	+4	NW'W	6	iro	51	97	50	6	5	-	-	10	10	800
	Guernsey															
6	Pembroke	06·4	+2	W'S	6	cq	50	97	48	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	03·4	0	W'N	4	c/d	50	92	48	7	5	7	-	7-8	10	1000
	Chester (Sealand)	02·0	-20	-	0	dodo	47	92	45	6	5	2	-	4-6	10	1500
8	Manchester	02·7	-20	S'E	3	++	41	97	40	6	-	2	-	10	10	1000
10	Spurn Head	02·8	0	WSW	4	zo	45	85	39	6	7	1	-	4-6	9+	1500
	Catterick	00·4	-18	WSW	2	c/+	45	75	39	7	5	7	9	4-6	9+	2500
	Tynemouth	00·8	-6	SW	3	+o+o	42	92	39	4	-	2	-	10	10	1500
11	St. Abbs Head	98·5	-8	SW	3	c/+	40	97	39	7	5	-	-	9+	9+	2000
	Leuchars	98·1	-10	-	0	c/+	42	97	41	5	5	7	8	Tr	9	3000
12	Renfrew (Abbots I.)	98·6	-4	-	0	c/+	45	92	43	5	5	1	-	7-8	10	1000
	Eskdalemuir	98·8	-4	SW	2	+o+o	41	97	40	6	-	2	-	10	10	200
	Point of Ayre	99·6	-10	NW'W	5	c/d	48	97	47	7	6	2	-	9	9	800
13A	Tiree	98·6	+18	W	1	c	48	85	44	9	5	-	-	9	9	7000
13B	Stornoway	98·5	+26	-	0	c	43	92	42	9	8	7	6	Tr	9	2200
15	Dalwhinnie	98·4	0	WSW	2	o	39	92	36	7	5	-	-	10	10	1500
	Aberdeen	98·1	+2	NW	2	zo	43	75	35	6	-	3	-	0	7-8	-
	Wick	98·3	+8	W	1	c-bc	43	75	37	8	8	3	-	2-3	7-8	2000
16	Sumburgh	97·5	+14	NNW	3	b-bc	41	65	31	9	4	4	-	2-3	2-3	3000
17	Blacksod Point	07·5	+18	W	3	c	51	97	50	7	6	-	-	10	10	1500
18	Malin Head	00·1	+22	NW'N	6	c/d	49	85	45	8	8	2	-	7-8	9+	1500
	Aldergrove	01·3	+12	W	3	c	50	85	44	8	8	2	-	9+	9+	1000
19	Birr Castle	06·9	+16	W	3	c	52	85	48	7	6	2	-	7-8	10	800
20	Valentia Obsy.	13·2	+14	W'N	4	i+	51	97	50	6	5	-	-	10	10	450
	Roches Point	08·7	+14	NW	6	bc	54	92	52	8	3	-	5	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 10th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 10th (39)	13h.–18h. 10th (40)	18h. 10th to 1h. 11th (41)	1h.–7h. 11th (42)
London (Kew)	04·8	-2	WSW	3	zo	44	97	43	5	5	-	-	7-8	7-8	1500	1	•	cwrormo	cto++ocmo	cmo	cmo
Croydon	05·8	-10	WSW	3	c/+	47	97	46	5	5	7	1	4-6	9	1500	1	•	cmo	cm+cmoiro	+ocmo	cbcbmo
S. Farnborough	05·2	+2	WSW	3	zo	46	97	45	6	5	7	-	1	1	1800	1	•	ciro+o+mo	crdoromcbc	bcbbccmo	ciromo
Boscombe Down	07·3	+14	W'N	4	b-bc	47	97	45	7	5	7	-	2-3	2-3	2000	1	•	bcciroc	crorobc	bcmobmo	bcmocmo
Thorney Island	06·7	+6	WSW	2	m	47	97	46	4	5	7	1	Tr	4-6	800	1	•	c+o+omo	cmrorodd	bmocm	cbccmo
Lympne	06·1	-8	WNW	3	+o+o	43	97	43	5	-	2	-	10	10	400	1	4	cbcc	cp++mo	c	c
Manston	05·2	-10	SSW	4	++	42	97	41	6	6	2	-	9	10	600	1	•	cmo	czcdod	cmom	bcmo
Shoeburyness	05·6	-8	WSW	3	+o+o	48	92	42	6	5	-	-	9+	10	800	1	•	bcmocmo	c++moroyo	crorocmo	cmo
Felixstowe	04·5	-6	S'W	3	+o+o	41	97	41	5	-	2	-	10	10	700	1	3	bmoczo	czroromo	crorocmbm	bmocmo
Gorleston	03·9	0	SW'S	3	+o+o	42	85	39	6	6	-	-	10	10	1500	1	3	bcc	o+o+o	cbcbzo	bcczo
Mildenhall	03·2	-10	SSW	4	c/d	42	97	41	6	5	2	-	9	10	1100	1	•	bcmocciro	prorocidm	cmo	cmobcmocm
Cranwell	02·2	0	WSW	3	ido	44	97	43	4	5	-	-	10	10	1500	1	•	cmocirom	+o+ocidom	cmo	cmobccm
Birmingham	05·0	+14	WNW	4	c/pr	48	85	44	6	8	-	-	9	9	1500	1	•	co++o	irocpr	pro	cz
Upper Heyford	04·1	+4	WNW	2	iro	46	92	44	7	8	4	1	4-6	4-6	1500	1	•	cmofrorr	crrmororobc	bciro cmo	cbcmocmo
Ross-on-Wye	06·1	+20	WNW	4	b-bc	50	65	40	8	8	7	1	1	2-3	3000	1	•	cpocid	docbc	bcb	bcc
Hartland Point	09·9	-2	WNW	3	c	49	97	49	7	5	7	2	4-6	9	2000	1	5	+o+oomoc	ciroc	cbcc	c
Bristol	08·0	+22	W	3	zo	49	92	46	6	5	-	-	7-8	7-8	1500	1	•	cirocidmo	cdodocmo	cbcmobbcm	bcmocmo
Portland Bill	07·9	+8	WNW	4	c	47	92	45	7	5	2	-	7-8	10	4000	1	5	o++	c	c	c
Plymouth	10·4	+18	NW	4	c	52	85	48	7	5	7	-	7-8	9	1500	1	2	cdddodomo	cidomoc	cmoidomo	cidomo
The Lizard	11·9	+6	WNW	6	c	51	97	51	7	5	2	-	9	10	1000	1	4	++fro	oc	coc	coid
Scilly (St. Mary's)	13·2	+18	NW'W	5	c/d	51	97	50	6	5	-	-	10	10	800	1	4	+oddiro	cido	c	c
Guernsey																					
Pembroke	09·5	+6	WNW	4	cq	50	92	48	8	8	6	-	7-8	9+	2500	1	3	cq	cq	cdprobcq	cq
Holyhead (Valley)	06·4	+22	NW'W	5	c	49	75	42	8	-	6	2	0	9+	-	1	3	cdodomo	bcc	ciroc	cidoc
Chester (Sealand)	05·0	+20	N'W	7	c	50	75	43	7	5	2	-	9	10	1500	1	•	cmororoR	cmopro	cbcc	cirmoc
Manchester	03·9	+26	WNW	4	iro	47	92	45	6	5	2	-	7-8	10	1500	1	•	+o+omo	++ro+o	irocmo	irdodomo
Spurn Head	02·1	+4	S'E	2	o	42	97	41	6	5	-	-	10	10	1600	1	3	procmo	+o+oomo	cmo	cmo
Catterick	02·4	+22	NW	1	m	43	92	42	4	5	3	-	9	9+	2000	1	•	c	ccmo	bcc	cmo
Tynemouth	01·3	+24	W	2	m	45	85	42	4	8	-	-	7-8	7-8	2500	1	2	offrorom	omrorofm	cm	cmo
St. Abbs Head	00·9	+20	NW	1	c-bc	40	97	39	7	5	-	-	7-8	7-8	2500	1	3	co++c	c	cbbccmo	cmoyoroc
Leuchars	00·1	+14	-	0	c-bc	39	92	38	7	5	4	8	1	7-8	5000	1	•	o++irocmo	cmobc	bccmo	cidoroc
Renfrew (Abbots I.)	03·3	+38	SW	2	zo	46	85	43	5	5	-	-	9	9	1800	2	•	cmrorocmo	cmorobczmo	cm iro obc	dodocmopro
Eskdalemuir	01·7	+28	NW'W	3	bc	42	85	39	8	5	-	-	4-6	4-6	1500	1	•	oro+romo	+o+obc		bcciro
Point of Ayre	04·1	+30	NW'N	5	c-bc	48	85	45	7	6	4	6	2-3	7-8	1500	1	4	++ddc	cprc	c	ccdoc
Tiree	02·8	+30	NW	3	c	47	97	45	8	5	7	-	4-6	9	2000	1	2	orodomoc	cbciroc	rocdododd	oddciro
Stornoway	99·7	+10	SW	3	c	44	97	44	8	5	-	2	9	9+	900	1	2	ciromoc	cidododo	ccido++	ciroido
Dalwhinnie	02·1	+22	W	1	o	38	97	37	6	5	-	-	10	10	1500	1	•	oprocco	oiro		ociro
Aberdeen	01·7	+26	-	0	m	39	92	36	4	-	3	-	0	2-3	-	1	0	czo	czobcz	bcz	bczcroro
Wick	00·9	+4	-	0	fg	38	92	35	8	5	7	9	1	7-8	2000	1	•	bc	cprofg	cbcc	croro
Sumburgh	00·1	+16	NE	2	b-bc	34	85	29	8	-	4	1	0	2-3	-	1	2	bcbbc	bc	bcc	croro
Blacksod Point	09·4	+14	W'N	4	DR	50	97	49	6	-	2	-	10	10	800	2	4	c	+	d	c
Malin Head	04·7	+22	W'N	3	c	48	92	46	8	8	2	-	7-8	9+	1500	2	3	+	d	+	+
Aldergrove	05·6	+26	W'N	4	c	48	75	41	8	5	7	-	4-6	9+	2000	1	•	iromodommc	ccproc	cirocido	ccido
Birr Castle	09·3	+18	WNW	2	c	51	92	49	7	6	2	-	7-8	10	800	1	•	+	+	•	+
Valentia Obsy.	15·3	+18	WNW	5	c/d	51	97	50	6	5	-	-	10	10	450	1	4	+	+	r	d
Roches Point	11·2	+22	NW'N	6	c-bc	53	92	51	8	5	3	-	4-6	7-8	1500	1	4	+	c	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 11th February.

Districts	Forecast
1 S.E. England	Moderate westerly winds, freshening: cloudy; some rain later; mild.
2 E. England	(as 1)
3 E. Midlands; 4 W. Midlands	Moderate or fresh westerly winds, increasing strong to gale; cloudy, with much hill fog and occasional rain; mild.
5 S.W. England	Moderate or fresh westerly winds, freshening; cloudy, with much hill fog and occasional rain; mild.
6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	As 2-4.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh to gale westerly winds, with gales severe in exposed districts later; cloudy at first, with much hill fog and occasional rain; variable cloud with thundery showers of rain and hail later; mild.
16 Orkneys and Shetlands	As 11-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 2-4.

GENERAL INFERENCE

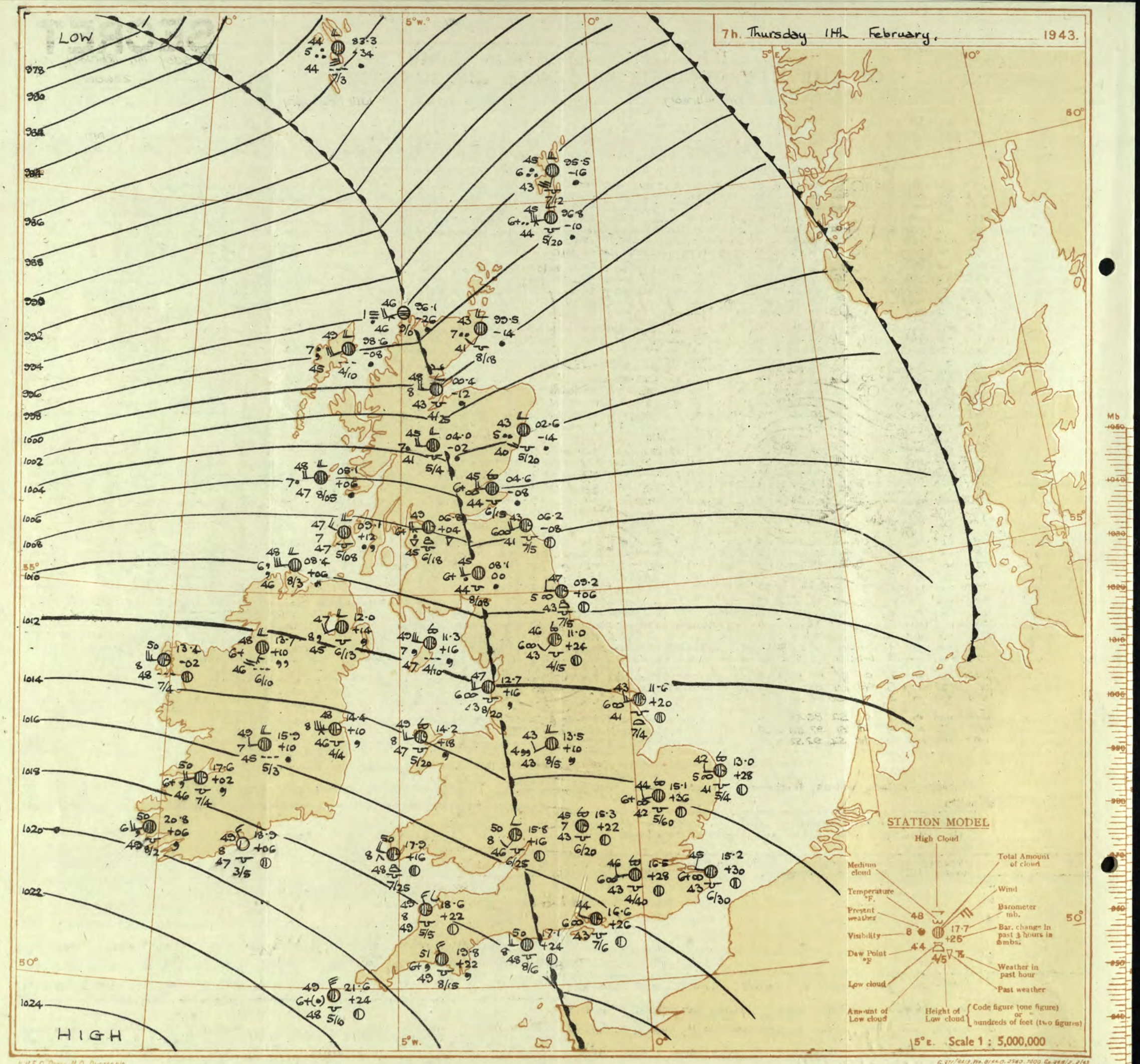
A deep depression South of Iceland is moving east northeast, and an anticyclone West of Portugal is moving east. Weather will be generally cloudy and mild, with occasional rain or showers in all districts; there will be strong to gale westerly ~~winds in most places, with severe gales in the North~~

FURTHER OUTLOOK

Unsettled westerly type persisting: Showers in North; occasional rain in South. Gale warning in operation in districts 13A & 13B. 15, 16, 18 (part of) issued at 0535h G.M.T. 11th Feb: 1943. also in districts 2 (part of), 6, 7, 8, 10, 11, 12, 17, 18, (part of) 19, & 20. issued at 1055h G.M.T. 11th Feb: 1943.

Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

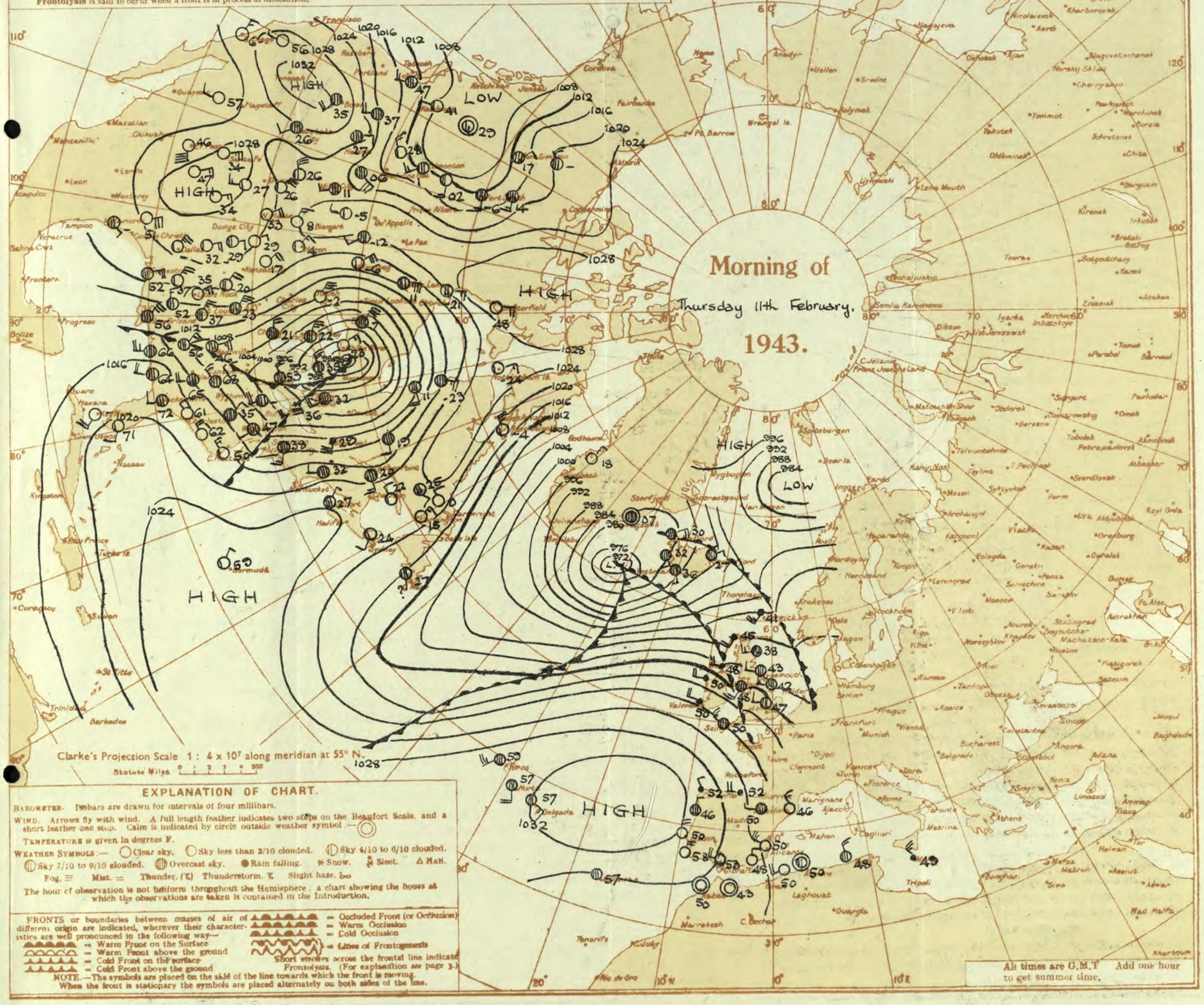
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Thursday 11th February 1943

No. 29666

OBSERVATIONS at 1 hr. G.M.T. 11th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	% Humid. (7)	°F Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon ...	290	11·7	+32	N	2	Z_0	47	85	44	6	5	-	-	9+	9+	4000
	S. Farnborough	226	12·3	+30	WNW	4	Z_0	48	85	42	6	5	-	-	10	10	3400
	Boscombe Down	417	13·3	+30	N'N	3	Z_0	43	97	42	6	-	3	-	0	2-3	-
	Thorney Island	10	12·3	+18	NW	2	Z_0	45	92	43	6	5	-	-	9	9	4000
	Lympne ...	283	10·3	+30	N	4	c	45	92	43	7	5	-	-	10	10	3000
	Manston ...	154	09·2	+30	NW'W	3	Z_0	45	92	42	5	5	-	-	9+	9+	3000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	08·8	+36	WNW	3	Z_0	45	92	43	6	-	-	-	0	0	-
	Gorleston ...	5	07·3		N.E'N	2	Z_0	42	92	40	5	-	-	-	0	0	-
	Mildenhall ...	15	09·4	+32	N'N	3	Z_0	45	92	43	6	5	-	-	9	9	2400
	Cranwell ...	203	09·4	+30	WNW	3	Z_0	45	92	42	6	5	-	-	10	10	1700
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·3	+26	W	3	Z_0	46	85	41	6	5	-	-	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·6	+20	NW	3	c	49	97	48	8	5	2	-	7-8	10	1500
	Bristol ...	209	13·5	+24	W	3	Z_0	46	92	44	6	5	-	-	4-6	4-6	4000
	Portland Bill ...	32	13·7	+16	W	3	c	50	92	48	7	5	-	-	10	10	2500
	Plymouth ...	82	15·5	+16	S.E'S	4	id_0	51	92	48	6	5	-	-	10	10	1000
	The Lizard ...	240	17·3	+20	WNW	5	c	50	97	50	7	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	18·0	+22	NW'W	5	c	50	97	49	6	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	14·3	+16	WNW	4	bcq	50	97	49	8	8	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	11·4	+10	SW	3	c	48	97	47	7	5	-	-	10	10	4000
	Chester (Sealand)	16	10·6	+18	W	3	c	48	85	43	7	5	2	-	2-3	10	2900
8	Manchester ...	235	10·6	+26	W'S	3	Z_0	46	92	43	6	5	-	-	10	10	1800
10	Spurn Head ...	29	08·2	+24	N'N	3	c-bc	42	92	41	6	7	-	-	7-8	7-8	1500
	Catterick ...	175	08·8	+22	SW	2	b-bc	43	92	40	7	5	-	-	2-3	2-3	3000
	Tynemouth ...	108	07·8	+22	W	2	m	43	85	39	4	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	06·0	+16	W	3	c	43	85	39	6	5	-	-	9+	9+	2500
	Leuchars ...	36	05·3	+8	WNW	2	Z_0	39	97	38	6	5	7	-	2-3	9+	2500
12	Renfrew (Abbots L.)	19	06·6	+10	SW'W	3	ir_0	47	85	44	5	5	2	-	2-3	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	09·4	+22	SW	3	c	47	92	45	7	6	2	-	7-8	10	1500
13A	Tiree	44	05·0	+2	WSW	3	dd	46	97	46	6	-	2	-	10	10	1500
13B	Stornoway ...	15	01·5	-4	SSW	4	ir_0	45	92	43	8	-	1	-	0	10	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	04·1	0	WSW	3	c-bc	38	85	34	8	-	7	-	0	7-8	-
	Wick ...	114	01·5	0	SW	1	c-bc	41	92	39	8	5	-	8	4-6	7-8	2000
16	Sumburgh ..	19	99·8	-10	SW	5	c	48	92	41	7	5	-	-	10	10	3200
17	Blacksod Point	18	13·1	+14	W	4	dd	50	97	43	7	6	2	-	2-3	10	1500
18	Malin Head ...	84	07·1	+8	W	4	r_0r_0	48	97	47	7	-	2	-	10	10	800
	Aldergrove ...	268	09·5	+10	SSW	2	id_0	46	97	45	7	-	2	-	10	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·6	+22	WNW	4	d_0d_0	50	97	49	6	5	-	-	10	10	800
	Roches Point	22	16·4	+12	NW	5	b-bc	51	92	49	8	3	-	-	2-3	2-3	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	% Humid. (22)	°F Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	16·2	+34	WSW	2	Z_0	44	92	42	6	5	2	-	7-8	9+	2500	1	*
Croydon ...	16·5	+28	W'S	2	Z_0	46	92	43	6	5	7	-	4-6	10	4000	1	*
S. Farnborough	16·5	+26	W	3	c/+	44	97	43	6	5	-	-	9+	9+	2000	1	*
Boscombe Down	17·0	+22	W	3	Z_0	47	97	47	6	5	7	-	1	7-8	1000	1	*
Thorney Island	16·6	+26	WNW	1	Z_0	44	97	43	6	5	-	-	9+	9+	4000	1	*
Lympne ...	15·9	+30	W'N	2	c	44	92	42	7	5	3	-	7-8	9+	4600	1	2
Manston ...	15·2	+30	WNW	2	Z_0	43	92	43	6	5	-	-	9	9	3000	1	*
Shoeburyness ...	15·3	+22	W	3	Z_0	46	85	43	5	5	-	-	10	10	2500	1	*
Felixstowe ...	14·0	+30	W'S	3	Z_0	43	92	40	5	5	2	-	9	10	5700	1	3
Gorleston ...	13·0	+28	W	2	Z_0	42	97	41	5	5	7	-	7-8	9	1500	1	3
Mildenhall ...	15·1	+36	WSW	2	Z_0	44	92	42	6	5	7	-	7-8	10	6000	1	*
Cranwell ...	13·3	+22	W'S	3	id_0	45	92	43	5	5	2	-	9+	10	1000	1	*
Birmingham ...	14·3	+12	WSW	2	Z_0	47	92	45	5	5	-	-	10	10	1500	1	*
Upper Heyford	15·3	+22	W	1	c	45	97	43	7	5	7	-	9	9+	2000	1	*
Ross-on-Wye	15·8	+16	SW	2	c	50	85	46	8	5	1	-	9	9+	2500	1	*
Hartland Point	18·6	+22	NW	3	c	49	97	49	8	5	4	-	7-8	9+	2500	1	4
Bristol ...	17·3	+24	W'S	3	c	49	97	48	6	5	4	-	9+	9+	2500	1	*
Portland Bill ...	17·1	+24	W	3	c	50	92	48	8	5	-	-	10	10	4000	1	4
Plymouth ...	15·8	+22	NW	4	id_0	51	92	49	6	5	-	-	10	10	1500	1	2
The Lizard ...	19·9	+18	WNW	5	id_0	49	97	49	7	5	2	-	7-8	9+	800	1	4
Scilly (St. Mary's)	21·6	+24	NW	5	c-bcjp	49	97	48	6	5	-	-	7-8	7-8	1000	1	5
Pembroke ...	17·9	+16	WNW	4	cq	50	92	48	8	8	-	-	9+	9+	2500	1	3
Holyhead (Valley)	14·2	+18	WSW	3	c	49	92	47	8	5	7	-	7-8	9+	2000	1	2
Chester (Sealand)	13·8	+16	W	3	c	51	85	47	7	5	9	-	7-8	9+	2000	1	*
Manchester ...	13·1	+10	WSW	4	d_0d_0	47	97	47	6	5	2	-	7-8	10	700	1	*
Spurn Head ...	11·6	+20	NSW	3	Z_0	43	92	41	6	7	-	-	9+	9+	1500	1	3
Catterick ...	11·0	+24	SW	2	Z_0	46	92	43	6	8	7	-	4-6	9+	1300	1	*
Tynemouth ...	09·2	+6	W	2	Z_0	47	85	43	5	8	-	-	9+	9+	2500	1	2
St. Abbs Head	06·2	-8	SW	4	Z_0	43	92	41	6	5	-	-	9+	9+	2500	1	3
Leuchars ...	04·6	-8	W	3	Z_0	45	97	44	6	5	7	-	9	10	1500	1	*
Renfrew (Abbots L.)	06·8	+4	W'S	4	pr	49	85	45	6	8	-	-	9	9	1800	2	*
Eskdalemuir ...	08·1	0	WSW	4	ir_0	45	92	44	6	5	-	-	10	10	800	1	*
Point of Ayre ...	11·3	+16	W'N	5	id_0	49	92	47	7	6	7	-	4-6	9+	1000	1	4
Tiree	05·1	+6	W	4	ir_0	48	97	47	7	-	2	-	10	10	2500	1	3
Stornoway ...	98·6	-8	SW	6	dr	49	85	45	7	6	2	-	4-6	10	1000	1	4
Dalwhinnie ...	04·0	-2	W	4	ir_0	45	85	41	7	5	2	-	7-8	10	1500	1	*
Aberdeen † ...	02·6	-14	SSW	3	r_0r_0	43	92	40	5	5	2	-	7-8	10	2000	1	2
Wick ...	99·5	-14	SSW	2	r_0r_0	43	92	41	7	5	2	-	10	10	1800	1	*
Sumburgh ..	96·8	-10	WSW	5	r_0r_0	45	97	44	6	5	2	-	7-8	10	2000	1	3
Blacksod Point	13·4	-2	W	5	c	50	92	48	8	6	-	-	9+	9+	1500	2	4
Malin Head ...	08·4	+6	W'S	6	id	48	92	46	6	-	2	-	10	10	800	2	4
Aldergrove ...	12·0	+14	SW	4	id_0	47	92	45	8	5	2	-	9	10	1300	1	*
Birr Castle ...	15·9	+10	W	2	c	49	85	45	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	20·8	+6	WSW	3	id_0	50	97	49	6	5	-	-	10	10	450	1	3
Roches Point	18·9	+6	NW	3	b-bc	49	92	47	8	5	-	-	2-3	2-3	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F.	Temperature Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall Day 7h–18h mm.	Rainfall Night 18h–7h mm.	Sunshine 10th Hrs.
London (Kew)	46	44	39	5	-	0·5
Croydon ...	47	44	41	3	1	1·6
S. Farnborough	46	41	34	3	Tr	1·2
Boscombe Down	48	42	38	1	-	0·0
Thorney Island	48	43	34	3	0·2	*
Lympne ...	*	41	39	8	1	0·0
Manston ...	46	42	41	2	0·5	0·6
Shoeburyness ...	49	42	38	3	0·3	0·7
Felixstowe ...	46	40	35	2	0·5	0·9
Gorleston ...	46	40	35	0·2	0·1	2·3
Mildenhall ...	47	41	38	3	Tr	1·5
Cranwell ...	45	42	34	1	-	1·0
Birmingham ...	48	45	43	4	0·4	0·0
Upper Heyford	47	42	36	2	Tr	*
Ross-on-Wye	53	47	39	0·1	-	0·1
Hartland Point	50	48	47	2	-	0·0
Bristol ...	49	46	41	0·3	Tr	0·0
Portland Bill ...	48	45	*	2	-	*
Plymouth ...	53	50	49	1	Tr	0·0
The Lizard ...	51	48	*	-	0·5	0·0
Scilly (St. Mary's)	51	49	*	3	-	0·0
Pembroke ...	51	48	*	4	Tr	0·0
Holyhead (Valley)	51	47	46	3	0·1	*
Chester (Sealand)	51	47	44	1	0·1	0·0
Manchester ...	48	45	43	7	2	*
Spurn Head ...	44	40	*	1	Tr	0·0
Catterick ...	46	42	35	-	-	0·0
Tynemouth ...	46	42	41	4	-	*
St. Abbs Head	*	39	*	2	1	*
Leuchars ...	43	38	29	2	0·6	1
Renfrew (Abbots L.)	48	43	41	4	0·1	1·0
Eskdalemuir ...	44	40	37	3	1	0·3
Point of Ayre ...	41	47	*	7	1	0·8
Tiree	49	45	43	3	0·5	0·0
Stornoway ...	46	42	42	1	1	1·0
Dalwhinnie ...	40	36	32	1	1	0·0
Aberdeen † ...	45	36	25	-	2	2·9
Wick ...	45	37	32	Tr	2	*
Sumburgh ..	42	33	22	-	1	6·2
Blacksod Point	52	49	*	1	2	*
Malin Head ...	50	45		1	1	0·2
Aldergrove ...	50	44	42	1	0·2	0·0
Birr Castle ...	52	47	46	1	1	0·0
Valentia Obsy.	52	48	43	2	0·6	0·0
Roches Point	55	49	*	0·6	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 11th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	01863	17114	57	05666	18117	50	05654	20414	62	64646	17568
115	87	02814	20226	52	62826	20368	51	02844	20428	--	67109	53469
203							5-	61848	18528	6-	62838	16628
206	54	01863	24168	53	02864	24115	57	02863	22368	51	02854	24458
210	53	02862	00025	53	02863	22116	07	02890	20228	57	02863	18228
220	53	01844	21254	57	01753	25284				82	28845	215-8
230	53	22848	00067	57	02847	17358	52	22857	20368	51	21534	53455
245	54	02884	23265	53	01863	30114	00	08690	22216	57	05644	19368
260	5-	22648	00068	57	05555	24127	52	08455	00028			
278	5-	21748	59668	53	22744	60666	5-	62748	22358	52	52647	26368
279				57	02845	22167	5-	02768	22428	57	21755	20367
285	57	61634	24467	57	05624	28427				5-	62628	26468
288	52	64645	16368	57	05665	22127	57	05564	17224	52	22666	17468
575	5-	02847	28327	5-	02757	28427	02	54537	57457	62	21646	51458
301	02	54428	18368	5-	22646	26466	54	05655	28325	5-	05658	22358
321				53	08438	28327						
2.25	5-	05648	24328	5-	62438	20268	50	05645	24113	5-	05647	22+27
292	52	61558	19268	57	08465	16168	5-	02766	28126	57	21664	20157
310	--	67209	24459	--	62428	24568						
614	52	63444	20268	5-	21436	26356	52	61546	26328	53	05565	24225

III	13h. G.M.T. 10th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 11th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	53	21736	25367	53	02864	26427	52	61658	24228	5-	02747	24367
334	--	53537	28288	--	25646	28387				--	61537	28388
340	02	62648	16368	5-	22347	28267				5-	02747	22158
136	37	05643	21328	62	62526	19368	50	08472	26362	09	05590	23217
336	52	22644	20468	57	02754	28416				--	67309	24469
360	52	62652	20368	57	05556	24226	57	05645	24328	5-	05654	20167
368	57	51543	24568	83	05645	24426	50	05644	24214	5-	05648	24428
379	62	62423	20368	50	01754	26355	5-	02767	28327	57	21747	24358
390	52	05543	30228	52	67336	20368	5-	05558	28428	53	41563	22247
382	52	64541	19268	57	05654	24324	5-	05668	27128	5-	05658	24128
438	82	61745	24588	--	37109	20569	52	02646	24418	5-	02746	28316
430	62	62748		67	08435	24166	5-	05668	26328	5-	05666	26126
409	5-	05628	26558	5-	05628	25428	5-	02744	26457	5-	05648	25428

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 11th February

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cwr_0rm_0	$cr_0r_0cm_0$	cm_0
Croydon ...	cm_0	$cmrrcm_0r_0$	$cbcbm_0$
Greenwich ...	$c.\oplus cm_0$	$crrm_0$	vcm_0m
Camden Square	bc	o	*
Kensington ...	bccor	oro	*
Hampstead ...	bc	or	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0·4 Time 17-19h on 10th. Min. <0·1 Time 1-5h on 11th

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	46	44	39	5	-	0·5	*	*
Croydon ...	47	44	41	3	1	1·6	*	*
Greenwich ..	46	45	38	4	-	0·1	96	85
Westminster ...	47	41	35	5			94	91
Regents Park ...	47	41	38	5	0·5		96	81
Camden Square	46	46	37	6	-	*	*	87
Kensington ...	47	44	39	5	Tr		93	91
Hampstead ...	43	41	37	5	-		*	91

SECRET

Page 1 BRITISH SECTION

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

Friday 12th February 1943.

No. 29667

OBSERVATIONS at 13h. G.M.T. 11th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·8	+4	W	3	z.	54	75	46	6	8	-	1	7-8	9+	2500
	Croydon	19·7	+8	WSW	3	z.	49	85	45	6	5	-	-	7-8	7-8	2000
	S. Farnborough	19·9	+10	W'S	4	c	51	85	48	8	5	-	-	9+	9+	2500
	Boscombe Down	20·4	+10	W'N	5	c	51	85	47	8	5	-	6	9	9+	1500
	Thorney Island	20·4	+14	WNW	4	c	55	75	48	7	5	3	1	7-8	9+	2500
	Lympne	19·5	+12	W'N	2	c	52	85	48	7	5	7	-	4-6	10	2300
	Manston	19·0	+10	W	2	z.	53	85	47	6	5	-	-	10	10	2000
2	Shoeburyness	19·1	+10	W'S	2	z.	51	85	47	5	5	-	-	10	10	2500
	Felixstowe	18·0	+10	SSW	3	z.	50	85	47	5	5	-	-	10	10	3300
	Gorleston	16·7	+14	W	2	z.	49	85	46	6	5	-	-	10	10	1200
	Mildenhall	16·9	+6	W'S	4	c	54	75	47	7	7	-	-	1	9+	2500
	Cranwell	15·7	+6	W	4	c	51	75	45	7	5	-	-	9+	9+	2000
3	Birmingham	17·6	+6	W	5	c	52	75	44	8	5	7	-	4-6	9+	1500
	Upper Heyford	18·2	+10	W	3	c	53	75	45	8	5	-	8	9	9+	1500
4	Ross-on-Wye	18·6	+4	W	3	bc	55	65	44	8	4	4	3	1	4-6	3000
5	Hartland Point	22·1	+12	W	3	c	49	97	49	8	5	-	-	9+	9+	1500
	Bristol	20·7	+10	W	5	c-bc	51	85	47	7	5	-	-	7-8	7-8	2500
	Portland Bill	22·6	+22	W	4	c	50	92	46	8	5	-	-	10	10	4000
	Plymouth	23·6	+12	WNW	4	id.	52	85	47	8	5	-	-	9+	9+	1200
	The Lizard	24·6	+24	W	5	cbc	52	92	49	8	2	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	24·8	+10	W'N	5	c/pr	52	92	50	8	8	6	-	7-8	9+	1200
	Guernsey															
6	Pembroke	21·1	+12	W'S	5	c	50	92	48	8	2	4	-	7-8	9+	2500
7	Holyhead (Valley)	17·3	+2	SSW	4	c	50	85	46	8	5	-	-	10	10	2000
	Chester (Sealand)	16·9	+10	W	1	c	53	75	44	8	5	7	-	7-8	9+	2500
8	Manchester	16·9	+14	SW	4	c/r	50	85	45	7	5	-	-	9+	10	1500
10	Spurn Head	14·3	+8	WSW	4	z.	48	85	44	5	7	2	-	7-8	10	1500
	Catterick	12·0	+6	W	4	c	50	75	44	9	5	7	-	4-6	10	1500
	Tynemouth	10·0	0	W	4	c	50	75	43	7	8	3	-	7-8	9	2500
11	St. Abbs Head	05·9	0	SW	6	c	50	85	45	7	5	1	-	7-8	9+	2500
	Leuchars	04·6	-6	WSW	7	c	52	85	47	7	5	7	-	4-6	10	1500
12	Renfrew (Abbots I.)	07·8	-2	SW	5	r.r.	49	92	49	6	5	2	-	9	10	600
	Eskdalemuir	10·3	0	SW'S	4	rr	46	92	44	6	6	-	-	10	10	400
	Point of Ayre	12·8	-2	W	6	c	52	85	48	8	5	7	-	4-6	9+	2500
13A	Tiree	05·2	-2	SW'W	6	d.d.	50	97	50	6	5	-	-	10	10	300
13B	Stornoway	97·7	+2	SW	8	d.d.	51	92	49	6	6	-	-	9+	10	400
15	Dalwhinnie	02·0	-2	W	4	r.r.	47	92	45	6	5	1	-	7-8	10	1500
	Aberdeen	00·7	-14	WSW	4	c	54	75	45	8	5	7	7	2-3	9+	5700
	Wick	98·0	-2	WSW	5	ċ	49	85	46	8	5	7	-	4-6	9+	2000
16	Sumburgh	91·4	-16	SW'W	8	d.d.	47	97	47	6	-	2	-	10	10	600
17	Blacksod Point	14·3	0	SW'W	5	d.d.	51	97	50	6	-	2	-	10	10	1500
18	Malin Head	08·3	-2	SW'W	7	c/r	50	92	48	8	8	2	-	7-8	10	800
	Aldergrove	12·4	-4	SW	4	c	50	85	46	8	5	2	-	7-8	10	1000
19	Birr Castle	17·8	+6	WSW	2	c	52	85	48	7	6	2	-	7-8	10	800
20	Valentia Obsy.	22·2	+2	WSW	4	id.	51	92	49	6	5	-	-	10	10	1500
	Roches Point	12·2	+4	W'N	2	bc	54	85	50	8	5	-	5	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 11th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20·2	+12	WSW	3	z.	49	85	45	5	5	-	6	4-6	9	1500	1	*
Croydon	21·5	+14	SW'W	3	z.	50	85	46	6	5	7	-	7-8	9+	2000	1	*
S. Farnborough	21·2	+14	W'S	4	c	49	85	45	8	5	4	6	4-6	9+	1800	1	*
Boscombe Down	22·1	+16	W	3	c	49	85	45	7	5	4	-	9+	9+	1800	1	*
Thorney Island	22·2	+18	W'S	3	z.	50	85	46	6	5	1	-	4-6	9+	2500	1	*
Lympne	20·9	+12	WSW	2	z.	47	97	46	6	5	7	-	7-8	9+	1700	1	§3
Manston	20·1	+6	WSW	3	z.	50	85	45	6	5	-	-	9+	9+	2000	1	*
Shoeburyness	20·0	+4	WSW	2	z.	50	85	45	5	5	4	-	7-8	9	2500	1	*
Felixstowe	18·6	+6	S'W	3	z.	48	92	46	5	5	7	-	4-6	7-8	2500	1	3
Gorleston	17·5	+18	SW'W	3	z.	50	85	45	6	5	7	-	4-6	10	2500	0	3
Mildenhall	18·0	+6	SW'S	3	z.	50	85	46	6	5	7	-	4-6	9+	5700	1	*
Cranwell	16·4	+12	SW'W	4	c	49	85	44	7	-	7	6	0	9+	-	1	*
Birmingham	18·5	+6	WSW	4	c-bc	49	75	42	7	-	7	8	0	7-8	-	1	*
Upper Heyford	19·2	+12	SW'W	2	c	47	92	45	7	-	4	8	0	9+	-	1	*
Ross-on-Wye	19·7	+12	WSW	3	c-bc	50	85	44	8	5	7	2	1	7-8	2500	1	*
Hartland Point	22·7	+2	WNW	4	ir.	47	97	47	6	5	2	-	9	10	600	1	4
Bristol	22·8	+18	W	4	id.	48	97	47	6	5	-	-	10	10	450	1	*
Portland Bill	23·7	+12	W	4	c	50	85	46	8	2	4	-	4-6	9	4000	1	4
Plymouth	24·7	+12	W'N	4	z.	50	92	48	6	5	7	-	7-8	9+	1000	1	2
The Lizard	25·8	+8	WNW	5	id.	49	97	49	7	5	-	-	10	10	800	1	4
Scilly (St. Mary's)	25·5	+10	W'S	5	id.	50	97	49	6	5	-	-	10	10	500	1	5
Guernsey																	
Pembroke	21·1	+2	W	6	c-bcq	49	92	47	8	8	4	-	7-8	7-8	2500	1	3
Holyhead (Valley)	17·9	+10	WSW	5	c	50	85	46	8	5	-	-	9+	9+	2500	1	1
Chester (Sealand)	16·9	+4	WNW	3	c	53	75	45	3	5	7	2	4-6	9+	3500	1	*
Manchester	16·9	+2	S'W	4	c	49	85	45	7	5	-	-	9+	9+	2500	1	*
Spurn Head	15·1	+8	SW'W	4	z.	50	75	42	6	7	-	-	9+	9+	1500	1	3
Catterick	13·9	+20	WSW	3	ir.	51	85	45	8	5	2	-	7-8	10	800	1	*
Tynemouth	11·0	+8	SW	4	c	51	85	45	6	8	-	-	9+	9+	2500	1	3
St. Abbs Head	06·1	+8	SW	5	c	52	85	46	7	5	2	-	7-8	9	2000	0	5
Leuchars	04·4	+4	W	6	c/r	51	92	48	7	5	7	8	1	9+	1500	1	*
Renfrew (Abbots I.)	09·0	+16	WSW	4	c/r	51	92	49	5	6	2	-	7-8	10	800	2	*
Eskdalemuir	10·4	+16	WSW	5	rr	48	92	46	6	6	-	-	10	10	500	1	*
Point of Ayre	12·5	+6	W	6	c	50	92	47	8	6	7	-	2-3	9+	1000	1	5
Tiree	05·8	+6	WSW	6	dd	50	97	49	5	5	-	-	10	10	100	1	5
Stornoway	98·2	+8	SW	8	c	51	92	48	6	6	1	-	4-6	10	900	1	
Dalwhinnie	04·0	+4	WSW	4	o	49	85	45	7	5	1	-	4-6	10	1500	1	
Aberdeen	01·5	+6	WSW	4	c	52	65	43	8	5	7	7	Tr	9+	2500	1	2
Wick	97·1	+2	SW	6	c	51	75	44	8	5	2	-	2-3	10	2000	1	*
Sumburgh	90·8	0	WSW	8	ir.	49	92	47	6	5	7	7	7-8	10	1200	1	5
Blacksod Point	13·8	+2	SW'W	5	dd	51	97	50	6	-	2	-	10	10	800	2	4
Malin Head	08·7	+6	SW	7	c/r	50	91	49	7	8	2	-	7-8	10	800	2	4
Aldergrove	12·7	+2	SW	5	ir.	47	97	48	7	5	2	-	9	10	1000	1	*
Birr Castle	17·5	+4	SW	3	c	50	92	48	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	21·6	+6	WSW	4	id.	51	92	49	7	5	-	-	10	10	1500	1	4
Roches Point	21·1	+10	W'N	3	c-bc	52	92	50	8	5	-	5	4-6	7-8	1500	1	

PAST 24 HOURS.

Stations	Weather 7h.—13h. 11th (39)	13h.—18h. 11th (40)	18h. 11th to 1h. 12th (41)	1h.—7h. 12th (42)
London (Kew)	mbccm.	cm.	cmo	cmo
Croydon	cm.	bcm.cm.	cmo	cbccmo
S. Farnborough	cm.c	c	c	ccmoc
Boscombe Down	cm.c	c	c	c
Thorney Island	cm.c	cm.ccm.	cmo	cmocdo
Lympne	bcm.c	ccm.	cmo	cmo
Manston	cm.bc	cm.	cmo	cbcmobc
Shoeburyness	cm.	cm.	cmo	cmo
Felixstowe	bcm.cm.	cm.bcm.	bcmocmo	cbcb.cmo
Gorleston	bccz.	cz.	cz	c
Mildenhall	cm.c	ccm.	cmobcmob	b,bcmoc
Cranwell	cm.c	c	ccmo	cmoc
Birmingham	c	cbc	c	c
Upper Heyford	c	c	czomoc	cmoc
Ross-on-Wye	ccvbc	bcc	cc	cc
Hartland Point	c	cir.c	dodoimo	dodoimco
Bristol	cm.m	ccid.m.	cdodmoq	bcmob,cmo
Portland Bill	oc	c	c	o
Plymouth	cid.	cid.m.	cidom	cidomo
The Lizard	cbcc	coid	cidc	odd
Scilly (St. Mary's)	cp.c	cp.	cido	cidoc
Guernsey				
Pembroke	c	cq	cqmo	cidq
Holyhead (Valley)	c	c	c	c
Chester (Sealand)	c	c	cbcc	cbcido
Manchester	ir.d.d.m.	cid.m.	cbcc	cbc
Spurn Head	cm	pr.cm.	cmo	cmoveq
Catterick	cm.ccr	ccir.	ciroido	cidocmobc
Tynemouth	cmc	cqc	cqiro	oirobcq
St. Abbs Head	c	c	cbccbc	cbccro
Leuchars	cm.c	cir.c	cbcc	crrocr
Renfrew (Abbots I.)	cm.pr.cmd	d.cm.r.r.	cmoror	cmrrcmoro
Eskdalemuir	cir.rr	crrm.	crriro	orqrrm
Point of Ayre	id.c	ir.c	c+rc	cro
Tiree	ir.d.r.rr.m.	d.d.dd.m.	cddiddm	cdrmbc
Stornoway	cd.d.m.	cd.d.m.	ccidorm	crRbc
Dalwhinnie	ociro	orr		o++
Aberdeen	cr.r.c	c	bzo*	bccproRq
Wick	cr.o.c	cr.r.	ccir	c++c
Sumburgh	crrd.d.m.	cd.d.m.c	cmirrrv	++rRRcm
Blacksod Point	d	d	d	+
Malin Head	r	r	+	+
Aldergrove	cid.c	cir.	cdodido	idcroro
Birr Castle	c	r		+
Valentia Obsy.	d	d	d	d
Roches Point	bc	bc	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 12th February 1943

Districts	Forecast
1 S.E. England; 2 E. England ✠; 3 E. Midlands; 4 W. Midlands	Fresh to strong westerly winds, gale locally on coasts at first, veering northwest with local squalls, then moderating; cloudy, some light rain or drizzle then brighter periods; mild becoming colder.
5 S.W. England ✠; 6 South Wales ✠	Westerly gale soon veering northwest moderating; overcast with rain & drizzle at first, then broken cloud & some showers; becoming colder.
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 ✠; 13A W. Scotland ✠; 13B N.W. Scotland ✠; 14 Mid Scotland; 15 N.E. Scotland ✠	West to northwest gale, slowly moderating temporarily except in extreme north; squally showers of rain and hail with thunder locally; bright intervals; rather cold or cold.
16 Orkneys and Shetlands ✠	As 7-15.
17 N.W. Ireland ✠; 18 N.E. Ireland ✠; 19 S.E. Ireland ✠; 20 S.W. Ireland ✠	Strong squally northwest winds moderating backing later; squally showers with hail and thunder locally in the North; bright periods; rather cold.

GENERAL INFERENCE

Pressure is highest to southwest of the British Isles and a ridge of higher pressure is spreading quickly across the British Isles behind a fast moving secondary disturbance off East Scotland. Strong winds and gales will be rather widespread at first and some rain or drizzle will spread across England this afternoon and evening. Showery conditions in the North accompanied by some local hail and thunder will spread south accompanied by a drop in temperature.

FURTHER OUTLOOK

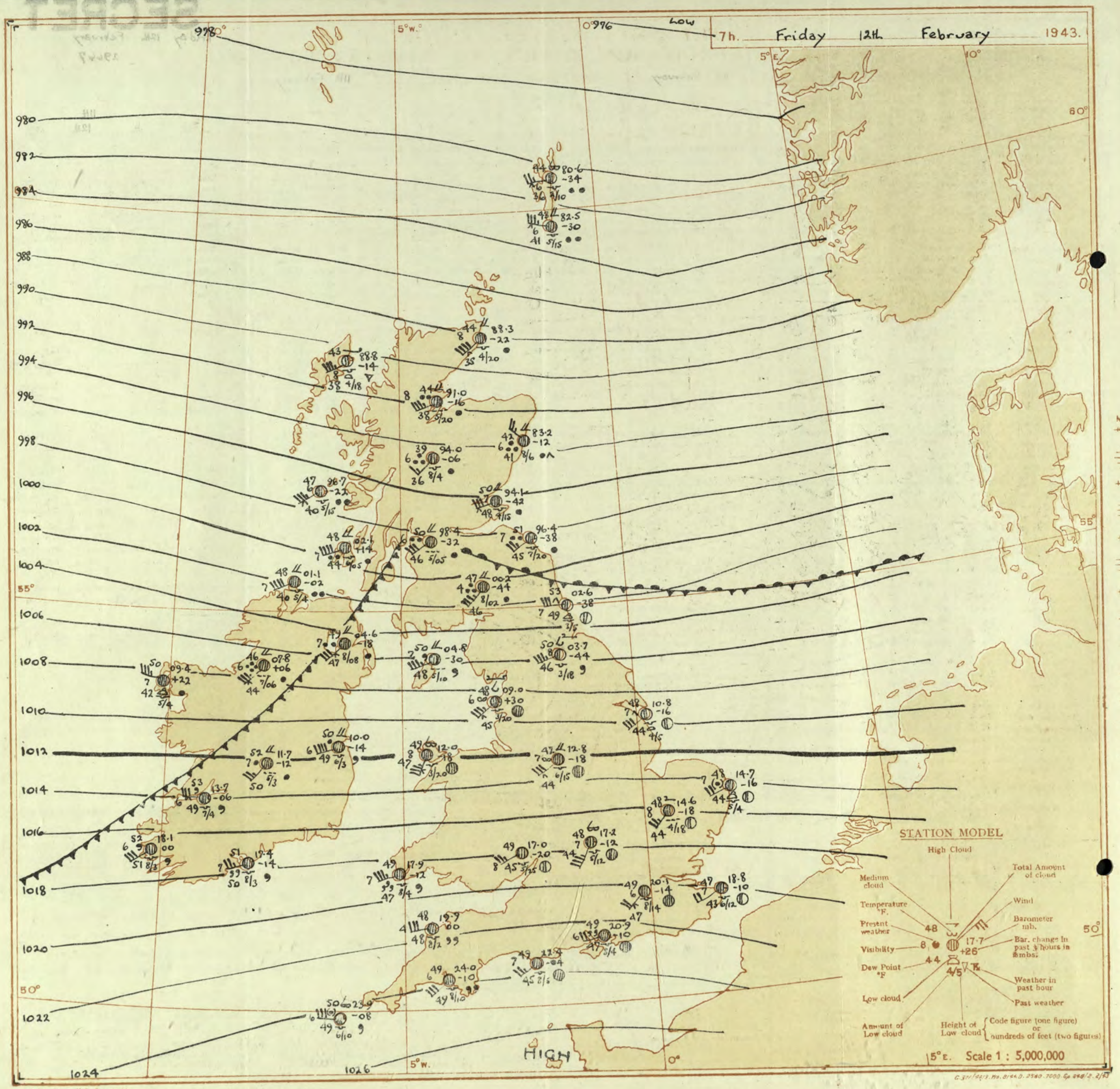
Mainly fair and dry in the South, continuing rather stormy and unsettled in the North.

✠ Gale warning in operation in districts 13A 13B, 15, 16, 18 (part of) time of issue 0535h 11th February; in districts 2 (part of), 6, 7, 8, 10, 11, 12, 17, 18 (part of), 19, 20 issued at 1055h 11th February; in districts 5 (part of), issued at 0545h 12th February.

Forecasts issued at 10·30

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

Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

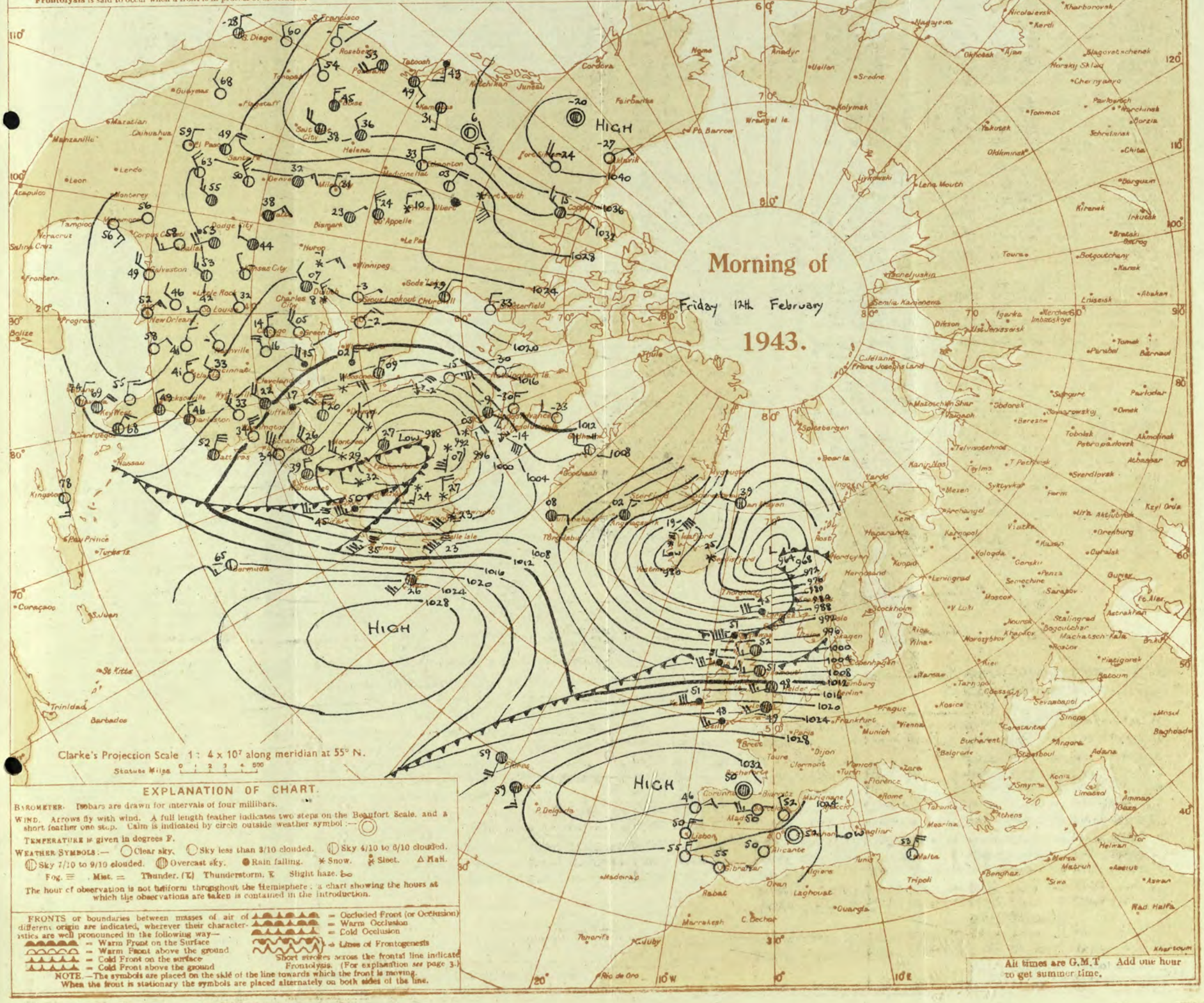
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Friday 12th February 1943

No. 22667

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·1	+2	WSW	4	Z_0	49	85	46	6	5	-	6	7-8	7-8	1500
	S. Farnborough	226	22·2	+4	W	4	c	49	85	45	8	5	-	-	9+	9+	1600
	Boscombe Down	417	22·9	-2	WSW	3	c	47	92	45	8	5	-	-	9+	9+	1500
	Thorney Island	10	23·0	+6	W	3	Z_0	49	83	45	6	5	-	-	9+	9+	2000
	Lympne ..	283	22·4	+4	SW	2	Z_0	46	97	45	6	5	2	-	7-8	10	2000
	Manston ...	154	21·2	0	SW'W	3	Z_0	46	92	44	6	5	3	8	4-6	9	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·1	-2	SW'S	4	Z_0	46	85	43	5	5	1	-	2-3	9	4000
	Gorleston ...	5	17·3	-4	W'S	3	Z_0	47	85	42	6	5	-	-	7-8	7-8	1500
	Mildenhall ...	15	18·5	0	SW'S	4	b	45	92	43	7	-	4	-	0	1	-
	Cranwell ...	203	15·7	-12	WSW	5	Z_0	48	92	45	6	5	7	-	1	7-8	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·8	+2	SW'W	3	c-bc	45	97	44	7	5	7	5	4-6	7-8	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·8	-6	W	5	ld	47	97	47	4	5	-	-	10	10	450
	Bristol ...	209	22·2	-2	WSW	6	bc/d	47	97	46	6	5	-	-	4-6	4-6	1800
	Portland Bill ...	32	23·1	-8	W	4	c	49	85	45	8	5	-	-	10	10	2500
	Plymouth ...	82	25·7	0	WSW	5	ld_0	49	92	47	6	5	-	-	10	10	1000
	The Lizard ...	240	25·7	0	W	6	c/d	49	97	49	5	5	-	-	9	9	800
	Scilly (St. Mary's)	163	25·8	-2	W'S	5	ld_0	48	97	48	6	5	-	-	9+	9+	200
	Guernsey ...	175															
6	Pembroke ...	142	21·3	-2	W'S	6	c-bcq	49	97	49	6	5	4	-	7-8	7-8	2500
7	Holyhead (Valley)	32	16·3	-10	SW'S	6	c	49	92	47	8	5	-	-	10	10	2000
	Chester (Sealand)	16	16·0	-8	W	3	bc	52	85	46	8	5	-	-	4-6	4-6	3000
8	Manchester ...	235	15·2	-4	S'W	5	b-bc	50	85	46	8	5	3	-	1	2-3	2500
10	Spurn Head ...	29	14·4	-16	WSW	5	Z_0	48	75	41	6	7	-	-	9+	9+	1500
	Catterick ...	175	11·8	-4	SW	4	ld_0	51	85	46	7	5	2	-	4-6	9	1400
	Tynemouth ...	108	10·6	-12	W	3	lr_0	51	92	48	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	03·2	-32	SW	5	bc	53	75	44	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	01·9	-22	WSW	7	c-bc	51	85	48	8	5	-	8	4-6	7-8	1500
12	Renfrew (Abbots I.)	19	05·2	-34	SSW	4	++	49	97	48	4	6	2	-	4-6	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	10·3	-18	W	7	c	49	97	48	7	6	7	-	2-3	10	800
13A	Tiree	44	01·2	-34	SW'W	6	dd	50	97	49	6	5	-	-	10	10	300
13B	Stornoway ...	15	92·9	-46	SW	9	lr_0	51	85	47	6	5	-	-	10	10	1900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	99·2	-18	WSW	3	c	52	75	43	8	-	4	-	0	10	-
	Wick. ...	114	94·4	-30	SW	7	lr_0	49	75	43	8	5	-	-	4-6	4-6	3000
16	Sumburgh ..	19	90·2	-6	W	8	++	45	97	44	6	5	-	-	10	10	1000
17	Blacksod Point	18	10·3	-22	WSW	6	d_0d_0	51	97	50	7	-	2	-	10	10	1500
18	Malin Head ...	84	05·1	-24	SW	6	lr	51	92	49	7	8	2	-	7-8	10	800
	Aldergrove ...	268	10·4	-22	SW'S	4	ld_0	48	97	47	7	-	2	-	10	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·2	-10	SW'W	6	ld	51	97	50	5	5	-	-	10	10	450
	Roches Point	22	20·4	-12	W'S	5	ld_0	51	97	50	8	5	-	-	9+	9+	800

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	18·5	-18	WSW	4	Z_0	49	85	45	6	5	1	-	9	10	1500	1	*
	Croydon ...	20·1	-14	SW'S	4	c	49	92	47	6	5	-	-	10	10	1400	1	*
	S. Farnborough	19·5	-12	WSW	4	c	48	85	45	8	5	7	-	9+	10	1200	1	*
	Boscombe Down	20·6	-12	SW'W	5	c	48	92	46	8	5	2	-	9	10	1200	1	*
	Thorney Island	20·9	-10	W'S	4	d_0d_0	49	92	47	6	5	-	-	10	10	1500	1	*
	Lympne ..	20·3	+16	WSW	4	c	47	92	45	7	5	-	-	7-8	10	800	1	5
	Manston ...	18·8	-10	WSW	4	c	47	85	43	7	5	-	-	9	9	1200	1	*
2	Shoeburyness ...	18·8	-12	WSW	4	c	48	85	43	7	5	-	-	10	10	1500	1	*
	Felixstowe ...	17·1	-16	SW	4	Z_0	46	85	43	6	5	-	-	10	10	4000	1	4
	Gorleston ...	14·7	-16	WSW	4	c-bc/p	48	85	44	7	8	-	-	7-8	7-8	1500	0	3
	Mildenhall ...	14·6	-18	SW'W	5	c-bc	48	85	44	8	6	-	5	4-6	7-8	1800	1	*
	Cranwell ...	11·8	-20	WSW	5	c	48	85	44	7	5	9	-	1	9+	1500	1	*
3	Birmingham ...	15·0	-6	SW	4	c	48	97	47	6	5	-	-	9	9	1500	1	*
	Upper Heyford	17·2	-12	SW'S	7	c	48	75	46	7	5	7	-	7-8	9	1200	1	*
4	Ross-on-Wye	17·0	-20	WSW	5	c-bc	49	85	45	8	5	-	-	7-8	7-8	2500	1	*
5	Hartland Point	19·9	0	W	6	m/d	48	97	48	4	5	-	-	10	10	450	1	4
	Bristol ...	20·5	-8	W'S	4	Z_0	48	85	45	6	5	-	-	9+	9+	1500	1	*
	Portland Bill ...	22·4	-4	WSW	5	o	49	85	46	7	5	-	-	10	10	2500	1	4
	Plymouth ...	24·0	-10	SW'W	6	c/d	49	97	49	6	5	-	-	10	10	1000	1	3
	The Lizard ...	24·1	-6	WSW	6	d_0d_0	49	97	49	7	5	-	1	10	10	1000	1	5
	Scilly (St. Mary's)	23·9	-8	W	6	c/p	50	97	49	6	5	7	-	9	9+	1000	1	5
	Guernsey ...																	
6	Pembroke ...	17·9	-12	W'S	7	dd	49	97	47	7	5	-	-	10	10	1500	1	5
7	Holyhead (Valley)	12·0	-18	SSW	7	c	49	92	47	8	5	7	-	2-3	9+	2000	1	5
	Chester (Sealand)	11·3	-28	W'S	3	c/d	51	75	45	8	5	7	-	4-6	9	1500	0	*
8	Manchester ...	12·2	-10	S'W	5	c	49	85	45	8	5	-	-	10	10	1400	1	*
10	Spurn Head ...	10·8	-16	SW	6	bcq	48	85	44	7	7	-	-	4-6	4-6	2500	1	4
	Catterick ...	03·7	-44	WSW	7	bc	50	85	46	8	5	4	5	2-3	4-6	1300	1	*
	Tynemouth ...	02·6	-38	W	6	bcq	53	85	49	7	8	-	-	2-3	4-6	2500	1	3
11	St. Abbs Head	96·4	-38	SW	5	r_0r_0	51	75	45	7	5	-	-	9+	9+	2000	1	5
	Leuchars ...	94·1	-42	WSW	6	rr	50	92	48	7	5	2	-	4-6	10	1500	1	*
12	Renfrew (Abbots I.)	98·4	-32	SW'W	6	r_0r_0	50	85	46	6	6	2	-	7-8	10	500	2	*
	Eskdalemuir ...	00·2	-44	SW'S	7	++	47	97	46	4	-	2	-	10	10	200	1	
	Point of Ayre...	04·8	-30	WSW	7	id_0	50	92	48	7	6	2	-	7-8	10	1000	0	
13A	Tiree	96·7	-22	WSW	7	c-bc/+	47	75	40	6	5	-	-	7-8	7-8	1500	5	5
13B	Stornoway ...	88·8	-14	WSW	7	bc	43	85	38	8	7	-	1	4-6	4-6	1800	1	5
15	Dalwhinnie ...	94·0	-6	SW	3	++	39	85	36	6	5	-	-	10	10	1500	1	*
	Aberdeen † ...	83·2	-12	NW	5	++	42	97	41	6	-	2	-	10	10	4000	1	3
	Wick. ...	88·3	-22	SW	8	c	44	75	35	8	5	2	-	4-6	10	2000	1	*
16	Sumburgh ..	82·5	-30	W'N	7	c/+	43	92	41	6	5	2	-	7-8	10	1500	1	5
17	Blacksod Point	09·4	+22	W'N	7	c	50	75	42	7	8	-	-	7-8	10	1500	2	5
18	Malin Head ...	01·1	-2	SW'W	8	c/+	48	75	40	7	5	2	-	7-8	10	1500	2	6
	Aldergrove ...	04·6	-18	SW	6	r_0r_0	49	92	47	7	-	2	-	10	10	800	1	*
19	Birr Castle ...	11·7	-12	SW	5	lr_0	52	92	50	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	18·1	0	SW'W	6	ld_0	52	97	51	6	5	-	-	10	10	800	1	5
	Roches Point	17·4	-14	W'S	5	d_0d_0	51	97	50	7	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine ...11th... Hrs. (38)
London (Kew)	54	47	44	-	-	0·7
Croydon	55	47	44	0·1	-	1·3
S. Farnborough	54	48	45	-	-	1·5
Boscombe Down	52	46	45	-	-	0·8
Thorney Island	55	48	45	-	Tr	*
Lympne	*	45	42	-	-	2·3
Manston	53	43	41	-	-	1·3
Shoeburyness	53	46	39	-	-	0·1
Felixstowe	52	45	41	-	-	0·8
Gorleston	52	45	41	-	-	0·3
Mildenhall	54	45	40	-	Tr	0·2
Cranwell	51	46	45	Tr	-	0·1
Birmingham	52	46	43	-	-	0·3
Upper Heyford	53	45	40	-	-	*
Ross-on-Wye	57	49	44	-	-	3·3
Hartland Point	49	47	47	0·3	2	0·0
Bristol	52	47	43	Tr	0·1	1·6
Portland Bill	50	46	*	-	-	*
Plymouth	52	48	47	Tr	Tr	0·1
The Lizard	52	47	*	Tr	1	3·1
Scilly (St. Mary's)	54	48	*	Tr	0·4	2·0
Pembroke	50	47	*	-	1	1·0
Holyhead (Valley)	57	48	46	-	-	*
Chester (Sealand)	55	50	46	-	Tr	0·3
Manchester	51	48	46	0·2	-	*
Spurn Head	50	45	*	Tr	-	0·4
Catterick	51	50	*	-	0·2	0·0
Tynemouth	52	48	47	-	1	*
St. Abbs Head	*	48	*	-	1	*
Leuchars	53	50	47	Tr	1	0·3
Renfrew (Abbots I.)	51	48	47	5	26	0·0
Eskdalemuir	48	46	46	6	18	0·0
Point of Ayre	52	49	*	Tr	0·4	0·0
Tiree	50	44	43	1	8	0·0
Stornoway	52	41	39	2	3	0·0
Dalwhinnie	50	38	37	5	26	0·0
Aberdeen †	56	42	42	0·1	2	0·1
Wick	55	44	39	0·1	7	*
Sumburgh	49	42	39	6	7	0·0
Blacksod Point	51	47	*	1	7	*
Malin Head	51	46		1	4	0·0
Aldergrove	50	47	47	0·1	1	0·0
Birr Castle	53	50	48	0·2	0·2	0·0
Valentia Obsy.	52	50	49	0·6	1	0·0
Roches Point	54	48	*	Tr	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th February				18h. G.M.T.				01h. G.M.T. 12th February				07h. G.M.T.			
IIIi	$C_L C_M$	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-	51638	55828	61	02744	55827		5-	63648	53628		52	61755	56668	
115	52	62626	53568	52	22735	89768									
202															
206	52	62845	22468	51	02863	22468		52	62857	55558		62	62855	55768	
210	57	22854	54667	51	02864	55427		52	02863	53525		02	61868	53568	
220	62	58426	23468	52	05625	21558						30	14755	54715	
230	02	59428	51668	02	58628	51468		02	64628	53668		62	22844	55668	
245	84	02844	20628	84	02943	22325		84	02861	56415		62	62668	55468	
260	57	21747	20458	57	22651	20468		57	02754	51728		52	64644	53768	
278	57	22836	22468	52	22747	22568		62	61647	55468		52	61737	55458	
279	5-	02858	20628	5-	52638	21558		52	52626	53568		5-	51648	20868	
285	27	02944	24667	62	59624	24668						02	64628	24668	
288	59	02853	54428	52	02855	53426		52	02856	51528		5-	22848	51668	
575	62	52636	18358	62	52526	20458		62	51636	53558		62	64637	53768	
301	5-	51844	22457	5-	02758	52358		5-	05648	53528		54	05653	53727	
321				07	05690	22526									
2.9	50	02746	20226	8-	02745	24515		80	05746	22616		5-	02757	22427	
292	57	61946	24428	57	51645	55466		57	51736	24358		5-	02748	55658	
310	--	02628	26528	--	01635	24415									
614	52	05646	25428	57	05674	55425		5-	05658	20228		5-	05646	55526	

13h. G.M.T. 11th February				18h. G.M.T.				01h. G.M.T. 12th February				07h. G.M.T.			
IIIi	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
333	5-	02744	20527	53	02755	20427		5-	02758	51528		5-	51648	53528	
334	--	25647	26288	--	02645	28316						--	63647	28688	
340	8-	02947	28227	84	02944	22515		5-	02748	57528		5-	02748	55628	
136	57	05554	19328	07	05690	21427		59	05663	20367		59	05645	21527	
336	13	00753	28514	53	01753	28415						21	25754	24685	
350	84	02754	22325	07	05690	22326		07	05690	22424		52	02746	55628	
368	5-	02746	24557	5-	52528	24458		50	05634	23554		5-	53428	55658	
379	53	02743	24326					04	01790	22312		57	05635	55427	
390	57	05645	24326	57	08453	20325		57	08445	22327		5-	05647	53528	
382	57	05654	23456	57	02765	22326		50	01754	57424		52	02846	55528	
438	5-	08447	24347	80	02745	24615		-	02748	24628		5-	57328	24758	
430	5-	05655	23227	57	05653	24327		5-	02747	24327		5-	51538	24558	
409	5-	21747	26458	5-	57308	25458		5-	52428	24558		--	57209	22658	

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	mbecmo	cmo	cmo
Croydon ...	cmo	bcmcmo	cbecmo
Greenwich ...	c	c	cbcc
Camden Square	c	c	*
Kensington ...	cmc	bc	*
Hampstead ..	cbc	bc	c

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·5 7-10h 11th. Min. 0·1 0-7h 12th.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	54	47	44	-	-	0·7	*	*
Croydon ...	55	47	44	0·1	-	1·3	*	*
Greenwich ..	55	48	42	-	-	0·6	78	80
Westminster ...	56	46	42	-	-		79	84
Regents Park ...	53	46	45	-	-		77	82
Camden Square	55	47	43	-	-	*	*	81
Kensington ...	56	48	43	-	-		80	83
Hampstead ...	54	46	42	-	-		*	85

SECRET

Page 1 BRITISH SECTION

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

Saturday 13th February 1943.

No. 29668.

OBSERVATIONS at 13h. G.M.T. 12th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	16·3	-12	WSW	5	c	52	75	48	7	5	-	-	10	10	1500
	Croydon	18·2	-10	WSW	5	c	53	85	48	8	5	-	-	9+	9+	1400
	S. Farnborough	17·9	-10	WSW	5	d_0d_0	52	85	47	6	5	-	-	10	10	1000
	Boscombe Down	18·9	-10	WSW	6	id_0	51	92	48	7	5	2	-	9	10	1600
	Thorney Island	19·4	-10	W'N	5	c	52	75	44	7	5	-	-	4-6	10	1500
	Lympne	19·0	-4	WSW	5	c	50	85	47	8	5	-	-	10	10	700
	Manston	16·8	-6	WSW	6	c	53	85	46	7	5	-	-	9+	9+	1200
2	Shoeburyness	16·7	-8	WSW	5	c	53	75	47	7	5	-	-	10	10	1500
	Felixstowe	13·9	-16	SW	6	c-bc	53	75	46	7	5	-	6	2-3	7-8	4000
	Gorleston	10·6	-20	WSW	5	bcq	55	75	48	7	5	-	4	4-6	4-6	2500
	Mildenhall	12·5	-10	SW'W	6	c	54	75	47	9	5	-	-	10	10	2000
	Cranwell	10·0	+10	W	6	ir_0	54	85	48	7	5	-	-	4-6	9+	800
3	Birmingham	13·5	-2	W	5	c-bc	53	85	48	8	8	-	-	7-8	7-8	1500
	Upper Heyford	14·7	-18	WSW	5	c	51	85	47	8	5	-	-	9+	9+	1200
4	Ross-on-Wye	15·6	-6	WSW	8	c	54	75	46	8	8	6	8	9	9+	2500
5	Hartland Point	19·2	-6	W	6	id	49	97	49	6	5	2	-	9	10	450
	Bristol	18·6	-10	W'S	6	o/d	52	92	49	6	5	-	-	10	10	800
	Portland Bill	20·7	-4	SW	5	c	49	85	45	7	5	-	-	10	10	2500
	Plymouth	23·6	-2	WSW	5	c	52	92	49	7	5	-	-	10	10	1000
	The Lizard	24·5	-6	WSW	6	c	51	97	51	7	5	2	-	9	10	1200
	Scilly (St. Mary's)	24·6	-4	W'S	6	c	53	85	49	7	5	-	-	10	10	1000
	Guernsey															
6	Pembroke	18·7	+6	W	7	cq	50	85	46	7	2	7	-	1	9+	2000
7	Holyhead (Valley)	14·7	+24	W	7	c-bc/pr	50	55	36	8	8	-	-	7-8	7-8	2500
	Chester (Sealand)	13·3	+34	WNW	6	pr	47	65	38	7	8	2	-	7-8	9+	1800
8	Manchester	12·8	+26	WSW	5	PR	46	85	43	6	9	-	-	4-6	10	600
10	Spurn Head	06·6	-2	W	8	c-bcq	52	65	39	7	2	3	2	4-6	7-8	2500
	Catterick	06·2	+18	WNW	5	bc/pr	49	55	33	9	2	6	3	2-3	4-6	2000
	Tynemouth	03·7	+12	W	8	c-bc/pr	47	65	34	7	2	3	-	4-6	7-8	2500
11	St. Abbs Head	98·4	+20	W	7	pr	49	85	41	6	5	2	-	4-6	9	2500
	Leuchars	97·5	+26	W	7	c-bc	43	85	38	7	2	6	3	2-3	7-8	1500
12	Renfrew (Abbots I.)	02·0	+14	W	7	c-bc/ph	45	75	37	7	8	-	-	7-8	7-8	1600
	Eskdalemuir	03·5	+14	W'S	7	c	42	65	33	7	5	-	-	9+	9+	1200
	Point of Ayre	10·0	+34	NW'W	6	c-bc	48	65	38	8	2	1	6	1	7-8	2000
13A	Tiree	02·5	+46	W	8	c-bc/ph	43	75	36	6	8	-	-	4-6	7-8	2000
13B	Stornoway	94·2	+54	W	8	c/ph	43	65	32	8	9	-	3	9	9	1800
15	Dalwhinnie	98·5	+14	WNW	4	phr	35	92	32	6	5	-	-	10	10	1500
	Aberdeen	93·3	+16	W	5	c-bcjp	46	65	33	8	2	-	8	7-8	7-8	2500
	Wick	87·8	+4	SW	8	pr	40	85	36	8	8	-	-	4-6	9	2000
16	Sumburgh	79·7	-10	W'S	6	bc/ph	44	85	41	7	2	6	2	2-3	4-6	2500
17	Blacksod Point	16·2	+26	W	7	c	45	75	38	7	9	-	-	9+	9+	1500
18	Malin Head	06·9	+32	W	8	c/pr	43	85	39	7	9	2	-	7-8	9+	1500
	Aldergrove	10·1	+22	W'S	7	c-bc	44	65	31	8	5	7	6	Tr	7-8	2500
19	Birr Castle	17·0	+26	W	4	c-bc	49	55	34	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	23·0	+22	WNW	5	bc/pr	50	65	39	8	8	-	-	4-6	4-6	4000
	Roches Point	20·8	+22	NNW	6	bc	52	75	45	8	1	-	-	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 12th February.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	16·9	+10	W'N	4	z_0	50	55	36	6	8	-	4	4-6	4-6	2500	1	*
Croydon	17·5	-2	WSW	4	z_0	50	75	43	6	2	-	1	2-3	4-6	2000	1	*
S. Farnborough	18·1	+6	W'S	4	c-bc	49	85	45	8	8	6	1	4-6	7-8	1600	1	*
Boscombe Down	19·3	+14	W	5	b-bc	47	85	41	7	5	-	-	2-3	2-3	2000	1	*
Thorney Island	19·1	+4	W	4	b	50	75	41	7	2	6	-	Tr	1	4000	1	*
Lympne	16·9	-6	WSW	4	c-bc/d	49	97	48	7	5	-	-	4-6	7-8	500	1	§5
Manston	15·8	-2	W'N	3	bc	51	85	48	7	8	-	-	4-6	4-6	1500	1	*
Shoeburyness	16·2	+10	NW'W	4	bc	51	65	40	7	2	-	1	4-6	4-6	2500	1	*
Felixstowe	14·7	+12	W'N	4	c	50	55	36	7	5	7	-	2-3	9	2500	0	4
Gorleston	12·6	+18	WNW	5	c-bc	51	65	40	7	5	-	-	4-6	7-8	2000	0	4
Mildenhall	14·2	+24	W	3	c	46	75	40	8	2	-	-	9+	9+	2500	0	*
Cranwell	12·7	+10	NW	5	bc	44	56	31	7	5	6	2	2-3	4-6	2000	1	*
Birmingham	16·8	+12	W	4	bc/pr	44	75	37	8	5	-	-	4-6	4-6	1500	1	*
Upper Heyford	16·7	+18	WNW	5	bc	46	65	35	8	4	7	1	Tr	4-6	4000	1	*
Ross-on-Wye	18·3	+14	W	4	c-bc	47	55	33	8	8	-	3	4-6	7-8	3000	1	*
Hartland Point	21·4	+6	WNW	5	c	48	85	42	7	2	6	-	4-6	9	1600	1	4
Bristol	19·9	+10	WNW	4	b	47	85	41	6	1	6	1	Tr	1	2500	1	*
Portland Bill	21·4	+30	W	5	c	50	92	48	7	5	-	-	10	10	2500	1	5
Plymouth	22·4	-4	WNW	5	b	50	85	44	7	5	-	1	Tr	Tr	2500	1	3
The Lizard	24·7	+8	WNW	6	bc	49	92	47	7	4	-	-	4-6	4-6	2000	1	5
Scilly (St. Mary's)	26·2	+20	W'N	4	bc	49	92	47	7	8	-	3	2-3	4-6	1200	1	4
Guernsey																	
Pembroke	21·5	+2	N'W	5	c-bcq	47	85	43	8	5	4	-	7-8	7-8	2000	1	4
Holyhead (Valley)	17·2	+14	W	6	c	45	65	34	8	2	7	-	4-6	9+	2000	1	5
Chester (Sealand)	15·0	+6	WSW	4	c	47	65	34	8	5	7	6	4-6	9	3500	1	*
Manchester	14·8	+14	SW'W	5	z_0	44	65	35	6	4	3	-	4-6	7-8	2500	1	*
Spurn Head	10·3	+20	W'N	7	c-bcq	45	65	33	7	7	3	-	4-6	7-8	2500	0	5
Catterick	09·1	+20	W	5	c-bc	43	55	30	7	5	6	-	4-6	7-8	2000	1	*
Tynemouth	05·8	+20	W	8	bc/pr	43	75	34	6	2	-	-	4-6	4-6	2500	1	6
St. Abbs Head	00·0	0	W	8	b-bc	41	75	32	7	4	-	-	2-3	2-3	3000	0	6
Leuchars	01·4	+22	W	7	pr	41	75	32	8	5	-	-	4-6	4-6	1500	1	*
Renfrew (Abbots I.)	06·4	+16	W	4	c/pr	40	85	34	8	9	7	6	4-6	9	1600	2	*
Eskdalemuir	07·3	+12	W	6	prS	37	85	32	6	6	-	-	9+	9+	700	1	*
Point of Ayre	12·1	+14	NW'W	7	c	45	75	36	8	2	1	-	2-3	10	2500	1	5
Tiree	06·6	+32	W'N	7	pr	40	85	34	7	9	6	-	4-6	9+	1000	1	7
Stornoway	99·3	+32	W	7	c/pr	38	75	30	8	3	-	-	4-6	10	1800	1	5
Dalwhinnie	99·2	+26	WNW	4	psh	33	92	30	6	5	2	-	7-8	10	1500	4	*
Aberdeen	97·7	+30	WNW	4	b-bc	40	65	28	8	4	3	1	Tr	2-3	3000	1	3
Wick	94·6	+24	W'N	7	ph	34	85	31	7	9	-	-	7-8	7-8	2000	1	*
Sumburgh	86·2	+46	NW	9	bc/ps	41	85	36	7	2	6	3	4-6	4-6	2500	1	6
Blacksod Point	19·2	+22	W	7	c/ph	44	85	40	7	9	7	6	4-6	9	1500	2	6
Malin Head	10·1	+26	WNW	8	pr	43	65	32	8	5	2	-	7-8	10	1500	2	6
Aldergrove	13·3	+18	WSW	5	c/pr	41	75	34	8	8	2	-	4-6	10	3000	1	*
Birr Castle	20·1	+20	NW	4	c	44	75	37	8	3	7	-	2-3	9	1500	1	*
Valentia Obsy.	26·2	+22	NW'W	6	c/pr	47	65	36	8	7	-	1	9	9+	4000	1	5
Roches Point	24·2	+30	NW'N	5	pr	46	85	42	8	3	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 12th (39)	13h.—18h. 12th (40)	18h. 12th to 1h. 13th (41)	1h.—7h. 13th (42)
London (Kew)	cm_0c	ir_0bbc	$bccz_0c$	$cbcz_0$
Croydon	c	$cd_0d_0bcm_0$	cm_0	$bccm_0$
S. Farnborough	$cid_0ccd_0m_0$	$cd_0r_0m_0bbc$	cbcc	bz_0b
Boscombe Down	ccd_0cid_0	cid_0cd_0b	bbcc	cbcb
Thorney Island	c	cid_0pr_0b	cm_0	bbc
Lympne	oid_0oc	cid_0bc	bcc	cbcb
Manston	c	cid_0	$bcccz_0$	$cbcz_0m_0$
Shoeburyness	c	cpr_0bc	bc	bcz_0
Felixstowe	cm_0cbc	$bccpr_0cy$	c	qbccbc
Gorleston	cbcq	cqc	cbcq	bcqb
Mildenhall	c	cbcc	c	cbckqb
Cranwell	cir_0	cpr_0bcy	$bccm_0cpr_0$	bccprcb
Birmingham	c	$cbcpr_0$	bcRc	bc
Upper Heyford	c	cpr_0bc	bcc	cbbc
Ross-on-Wye	cqc	p_0bccp_0c	cbccq	cbcb
Hartland Point	ocid	idcbc	cbc	$bcpr_0$
Bristol	$cm_0cd_0m_0$	$cd_0m_0bcbm_0$	bm_0cm_0c	bc,b
Portland Bill	c	oc	c	c
Plymouth	$cd_0d_0m_0c$	cid_0m_0b	cir_0bc	bc
The Lizard	ddido	oidbc	cbc	bc
Scilly (St. Mary's)	cp_0c	cd_0d_0c	p_0qbc	bcp_0cbc
Guernsey				
Pembroke	c	bccq	cq	cbq
Holyhead (Valley)	cir_0bc	c	c	bcb
Chester (Sealand)	crm_0pr	cpr_0qhy	$cbcpr_0$	bc,cpr_0
Manchester	ir_0iR	pRqc	$phrpr_0$	bcz_0
Spurn Head	$cqpr_0cq$	cq	bq	b
Catterick	cir_0bcpr_0	$bcpr_0bcc$	cpr_0tlbc	bcb
Tynemouth	bccpq	cbcq	bcbq	bbcq
St. Abbs Head	crrbccpr	$bcprcm_0bcb$	bcb	bc
Leuchars	crr prbcc	$cbcpr_0$	b	b
Renfrew (Abbots I.)	cphbc	$bccm_0phpr_0c$	bccqbcpr	$bcqpr_0z_0bc$
Eskdalemuir	oRr_0cpr	p·cps	cpr_0bc	bcpr
Point of Ayre	id rrc	c	cpr_0b	br_0prc
Tiree	cpr_0phc	cprbcpr	pRphrbc	phcphbcprc
Stornoway	cphrcph	ctqprph	cprphy	cyphbc
Dalwhinnie	ocphro	opsh	*	ops
Aberdeen	$ir_0bcprqbc$	cqprbc	bcb	cphbcb
Wick	cpr_0cpr_0	cphbccph	$bcpr_0s_0bc$	cphpsbc
Sumburgh	cprhbc	cprsbc	$cpsps_0h$	cpsphbc
Blacksod Point	c	pr	pr	pr
Malin Head	pr	pr	pr	pr
Aldergrove	cr_0r_0bcc	cpr_0c	cpr_0cbcb	bpr_0bcb
Birr Castle	c	pr	*	b
Valentia Obsy.	pr	pr	pr	pr
Roches Point	d	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 13th February 1943

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Fresh northwest winds backing southwesterly tomorrow; fine today; cloudy; some slight rain tomorrow; cold becoming milder
5 S.W. England, 6 South Wales	Winds backing southwest moderate, freshening; fair; cloud increasing; chance of some light rain or coastal drizzle tomorrow; becoming milder
7 North Wales, 8 N.W. England, 9 N. Midlands	Winds northwest fresh backing southwest fresh or strong; variable cloud with local showers at first; becoming cloudy or dull with some rain or drizzle; cold at first then milder.
10 N.E. England, 11 S.E. Scotland	Moderate to fresh westerly winds backing southwest strong at times; fair early; cloudy with some rain later; cold early then milder.
12 S.W. Scotland & Isle of Man, 13A W. Scotland ✝, 13B N.W. Scotland ✝, 14 Mid Scotland	Winds backing southwest to south increasing strong to gale at times on coast, veering tomorrow; becoming dull and rainy; brighter periods with showers tomorrow; rather cold.
15 N.E. Scotland ✝	Fresh northwest wind backing southwest increasing strong to gale; bright
16 Orkneys and Shetlands ✝	intervals & wintry showers at first; dull and rainy later; rather cold.
17 N.W. Ireland, 18 N.E. Ireland	As 12-14.
19 S.E. Ireland	As 5-6.
20 S.W. Ireland	Freshening southerly winds; becoming cloudy to dull with some occasional drizzle; becoming milder.

GENERAL INFERENCE

A ridge of high pressure is moving quickly east across the British Isles and a very deep depression will cross Iceland moving northeast. Rain will soon spread into Scotland and North Ireland with a renewal of a southwest gale on the northwest and north Seaboard. Weather will be fine in England today but cloud will increase and some rain though probably slight in the South is expected tomorrow with milder conditions.

FURTHER OUTLOOK

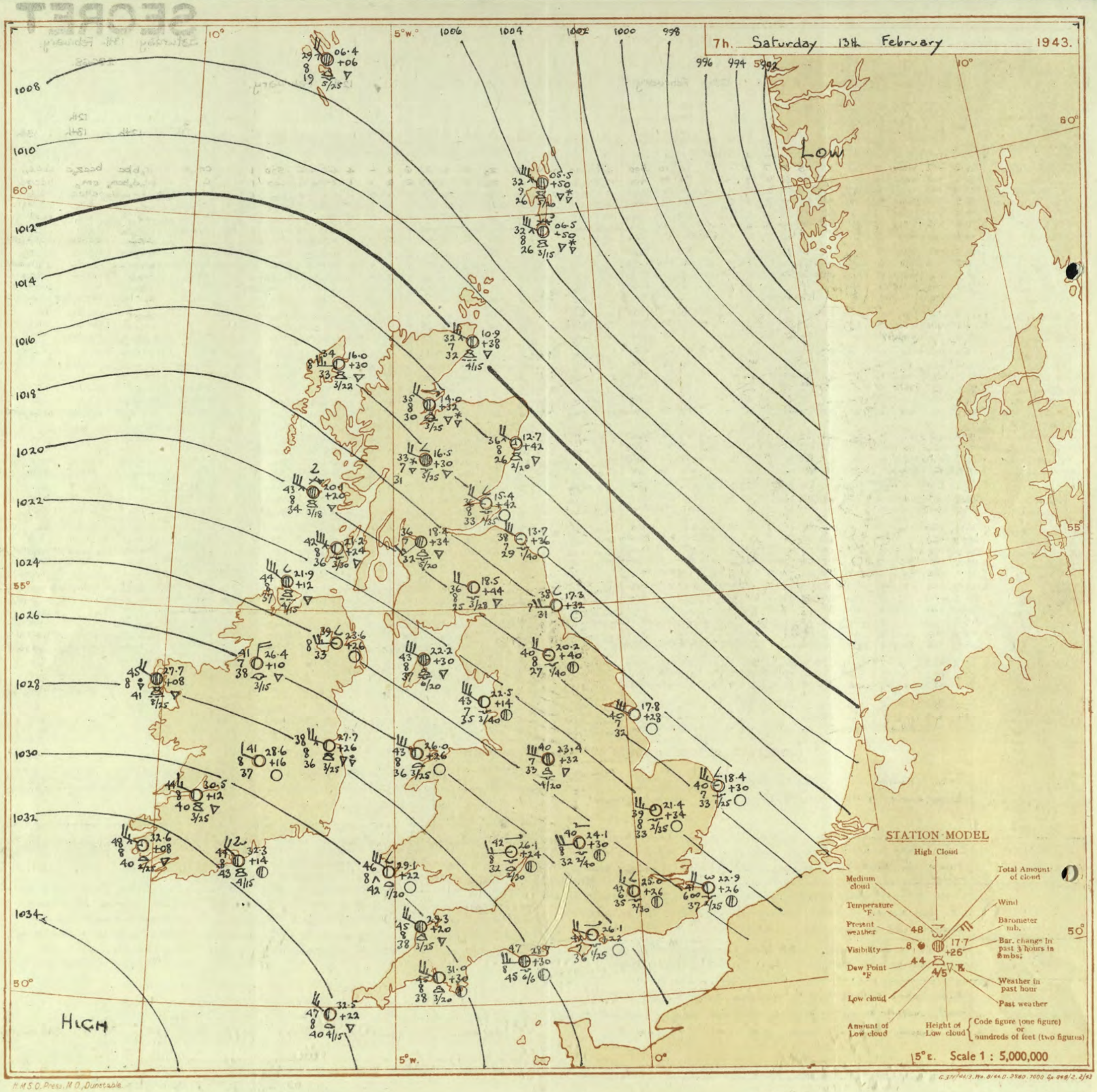
Mainly fair in the South; rather showery in the North.

✝ Gale warning in operation in districts 13A, 13B, 15, 16 issued at 0700h 13th February.

Forecasts issued at 10·30

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

Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

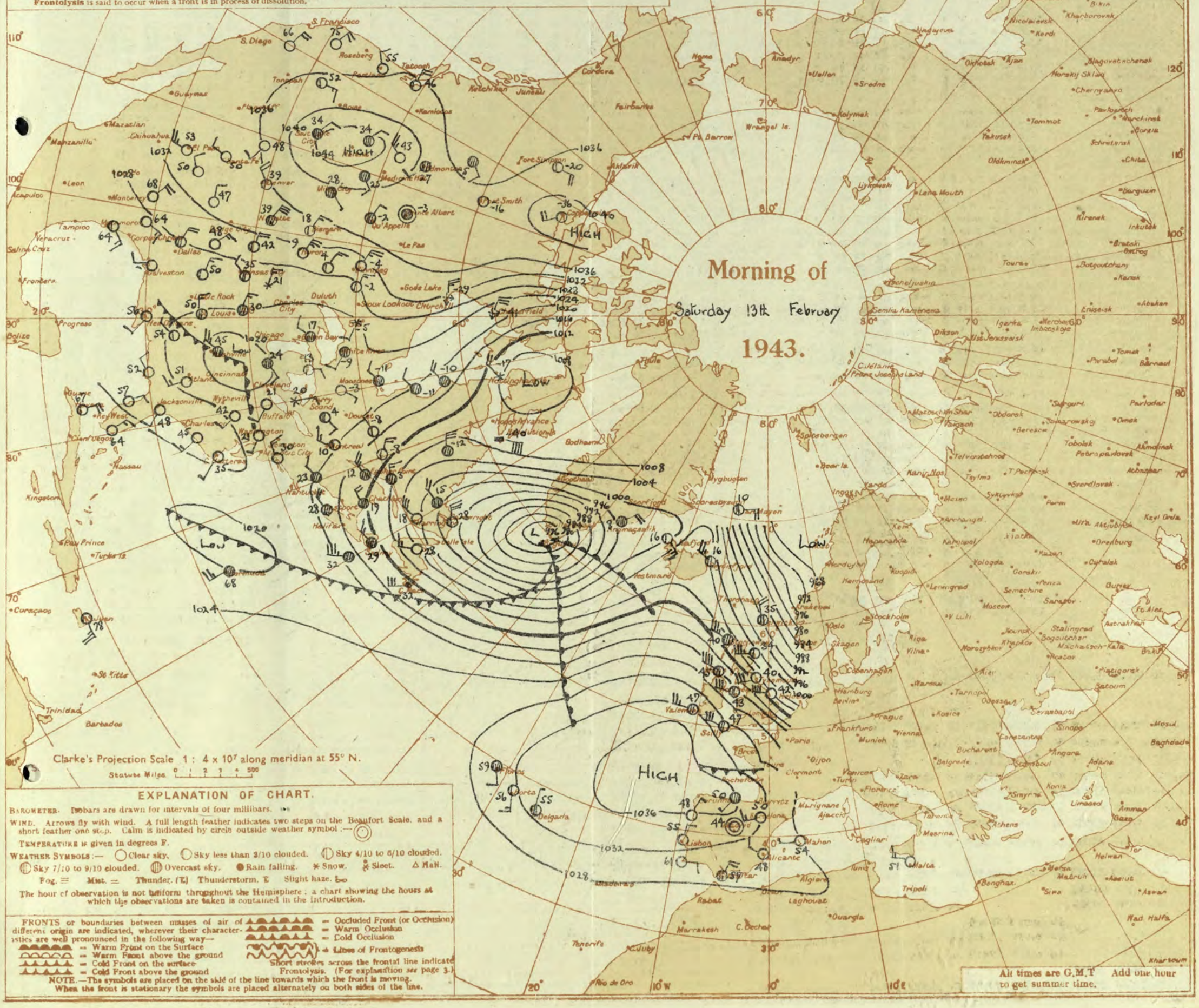
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Saturday 13th February 1943

No. 29668

OBSERVATIONS at 1 hr. G.M.T. 13th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	21·2	+10	W'N	4	z_0	44	85	40	6	5	–	–	9	9	3500
	S. Farnborough	226	21·7	+14	W'S	4	c	43	75	35	7	5	7	–	4-6	9+	1800
	Boscombe Down	417	22·5	+14	W'N	5	c	43	75	36	7	5	3	8	Tr	9+	3000
	Thorney Island	10	22·4	+10	W'S	5	z_0	45	65	35	6	8	3	–	4-6	10	4000
	Lympne	283	20·6	+10	SW	3	c	43	75	34	7	5	–	–	9	9	4000
	Manston	154	19·1	+10	W'N	4	z_0	44	75	38	6	5	7	–	7-8	9	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17·5	+14	WSW	6	c-bc	44	85	39	7	5	–	–	7-8	7-8	2000
	Gorleston	5	14·7	+14	WNW	5	bcq	43	65	34	7	7	1	–	2-3	4-6	2500
	Mildenhall	15	17·0	+14	W	4	c	43	75	34	8	5	–	–	9+	10	4000
	Cranwell	203	15·2	+14	W'N	5	c-bc	41	85	36	7	5	–	–	7-8	7-8	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·3	+14	NW'W	5	c	43	65	33	8	5	5	6	1	9	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·6	+22	NW	5	bc	46	75	37	7	5	–	–	4-6	4-6	2500
	Bristol	209	23·6	+16	WNW	5	b-bc	43	75	36	7	5	–	5	2-3	2-3	2500
	Portland Bill	32	24·8	+22	SW	5	c	48	92	46	8	5	–	–	10	10	4000
	Plymouth	82	27·4	+10	WNW	5	b-bc	46	65	36	8	5	–	2	1	2-3	2500
	The Lizard	240	28·6	+32	WNW	7	bc	47	75	38	8	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	29·9	+10	NW'W	6	bc	47	75	40	8	8	–	–	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	25·8	+26	SW'W	5	c-bcq	47	85	43	9	8	–	–	7-8	7-8	2000
7	Holyhead (Valley)	32	20·9	+22	W'N	6	bc	43	75	35	8	1	–	–	4-6	4-6	2500
	Chester (Sealand)	16	18·5	+20	WNW	3	pr	44	75	36	7	5	–	–	4-6	4-6	2500
8	Manchester	235	17·8	+18	W'S	6	c-bc	40	85	37	7	3	–	–	7-8	7-8	2500
10	Spurn Head	29	12·7	+12	WNW	8	bq	42	75	34	7	–	–	–	0	0	–
	Catterick	175	13·5	+24	W	4	bc	40	65	30	8	5	3	–	2-3	4-6	3000
	Tynemouth	108	10·8	+24	W	6	bq	40	75	34	7	–	–	–	0	0	–
11	St. Abbs Head	280	07·4	+40	W	6	b	37	75	28	7	5	–	–	Tr	Tr	4000
	Leuchars	36	07·3	+30	WNW	6	b	37	85	34	8	–	–	–	0	0	–
12	Renfrew (Abbots I.)	19	12·5	+36	WNW	4	bc/pr	37	85	34	6	3	6	3	4-6	4-6	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16·2	+24	NW	8	b-bc	43	75	36	8	8	–	–	2-3	2-3	800
13A	Tiree	44	14·2	+40	NW'W	8	bc/phr	41	65	30	7	3	–	–	4-6	4-6	1500
13B	Stornoway	15	08·9	+56	NW	7	c/ph	40	55	24	7	3	6	–	9	10	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	03·7	+24	WNW	7	b	34	88	30	9	2	–	–	1	1	3500
	Wick	114	99·4	+18	NW	8	b-bc	37	75	31	8	9	–	–	2-3	2-3	2000
16	Sumburgh	19	92·4	+22	NNW	4	ph	35	97	35	8	2	–	–	9	9	1500
17	Blacksod Point	18	25·4	+22	W'N	5	b-bc/phr	44	85	40	8	8	–	–	2-3	2-3	2500
18	Malin Head	84	17·7	+38	NW	8	bc/pr	45	66	34	7	9	–	–	4-6	4-6	1500
	Aldergrove	268	19·3	+32	W	5	b	40	75	32	8	2	–	–	1	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	30·6	+20	WNW	5	bc	47	75	40	8	8	–	–	4-6	4-6	2500
	Roches Point	22	29·0	+22	NW	4	b-bc	44	85	40	8	3	–	5	1	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 13th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	24·3	+30	WNW	3	z_0	41	65	32	6	5	–	2	2-3	4-6	2500	1	*
	Croydon	25·0	+26	WNW	3	b-bc	42	75	35	6	5	4	–	1	2-3	3000	1	*
	S. Farnborough	20·5	+14	W'S	4	b	41	75	34	7	–	–	–	0	0	–	1	*
	Boscombe Down	27·1	+30	W'N	5	b	40	85	35	7	5	–	–	Tr	Tr	2500	0	*
	Thorney Island	26·1	+22	WNW	4	b	42	85	36	7	5	–	1	Tr	1	2500	1	*
	Lympne	24·6	+26	W	3	b	39	75	33	7	1	–	–	Tr	Tr	3000	1	§4
	Manston	22·9	+26	WNW	4	z_0	41	85	37	6	5	3	–	1	2-3	2500	1	*
2	Shoeburyness	23·1	+24	WNW	4	z_0	42	75	33	6	5	–	–	4-6	4-6	2500	1	*
	Felixstowe	21·2	+30	WSW	5	b-bc	42	75	34	7	5	–	–	2-3	2-3	2500	0	5
	Gorleston	18·4	+30	NW'W	5	b	40	75	33	7	5	1	–	Tr	Tr	2500	0	3
	Mildenhall	21·4	+34	W'N	5	b	39	85	33	8	5	–	–	1	1	3500	0	*
	Cranwell	20·8	+28	WNW	5	b-bc	39	85	34	7	5	–	–	2-3	2-3	3000	1	*
3	Birmingham	24·3	+26	WNW	4	b	40	75	33	8	5	–	–	1	1	1500	1	*
	Upper Heyford	24·1	+30	W	4	b-bc	40	75	32	8	5	–	5	1	2-3	4000	1	*
4	Ross-on-Wye	26·1	+24	W	3	b	42	65	32	8	7	–	1	1	1	3000	1	*
5	Hartland Point	29·3	+20	NW	5	c-bc	45	75	38	8	2	–	–	2-3	7-8	2500	1	5
	Bristol	27·5	+30	W'N	3	bc	41	75	35	7	5	–	1	Tr	4-6	2500	1	*
	Portland Bill	28·7	+30	W	5	c	47	92	45	8	5	–	~	9	9	4000	1	5
	Plymouth	31·0	+30	WNW	5	b-bc	45	75	38	8	8	–	–	2-3	2-3	2000	1	3
	The Lizard	31·2	+20	NNW	5	b-bc	46	75	39	8	1	–	–	2-3	2-3	2000	0	4
	Scilly (St. Mary's)	32·5	+22	NW'W	5	bc	47	75	40	8	1	–	–	4-6	4-6	1500	1	4
	Guernsey																	
6	Pembroke	29·1	+22	NW	6	b-bcq	46	85	42	8	1	4	–	Tr	2-3	3000	1	4
7	Holyhead (Valley)	26·0	+26	WNW	6	b-bc	43	75	36	8	1	–	–	2-3	2-3	2500	1	5
	Chester (Sealand)	23·7	+24	NW'W	4	c-bc	43	75	35	8	7	–	–	7-8	7-8	2500	1	*
8	Manchester	22·3	+26	W'S	5	b-bc	41	75	33	7	4	–	–	2-3	2-3	4000	1	*
10	Spurn Head	17·8	+28	WNW	6	b	40	75	32	7	–	–	–	0	0	–	0	5
	Catterick	20·2	+40	WNW	4	b	40	65	27	8	5	–	–	Tr	Tr	4000	1	*
	Tynemouth	17·3	+32	W	4	b-bc	39	75	31	7	–	4	–	0	2-3	–	1	3
11	St. Abbs Head	13·7	+36	WNW	6	b	38	75	39	7	5	–	–	Tr	Tr	4000	0	6
	Leuchars	15·4	+42	WNW	4	b	36	83	33	8	5	4	–	Tr	Tr	3500	1	*
12	Renfrew (Abbots I.)	18·4	+34	WSW	3	c-bc	36	85	32	7	8	–	–	7-8	7-8	2000	2	*
	Eskdalemuir	18·5	+44	WNW	4	b-bc	36	65	25	8	5	–	–	2-3	2-3	2800	1	*
	Point of Ayre	22·2	+30	NW	6	c	43	75	37	8	8	–	–	9	9	2000	1	5
13A	Tiree	20·1	+20	WNW	6	c-bc	43	75	34	8	3	6	6	2-3	7-8	1800	1	6
13B	Stornoway	16·0	+30	W	5	b-bc	34	97	33	8	3	–	–	2-3	2-3	2200	4	3
15	Dalwhinnie	16·5	+30	WNW	4	psh	33	92	31	7	5	1	–	7-8	10	2500	7	*
	Aberdeen †	12·7	+42	NW	4	b	36	65	26	8	3	–	–	1	1	2000	4	3
	Wick	10·9	+38	NW	5	bc	32	92	32	7	9	–	–	4-6	4-6	1500	4	*
16	Sumburgh	06·5	+50	NW	6	bc/ps	32	75	26	8	3	6	3	2-3	4-6	1500	8	5
17	Blacksod Point	27·7	+8	NW'W	4	pr	45	85	41	8	9	–	–	10	10	2500	2	3
18	Malin Head	21·9	+12	NW	7	c-bc	44	75	37	8	9	4	–	4-6	7-8	1500	2	7
	Aldergrove	23·6	+26	W	5	b	39	75	33	8	–	4	–	0	Tr	–	1	*
19	Birr Castle	28·6	+16	NW	2	b	41	85	37	8	–	–	–	0	0	–	1	*
20	Valentia Obsy.	32·6	+8	WNW	5	b	48	75	40	8	1	–	–	1	1	2500	1	5
	Roches Point	32·3	+14	NNW	4	bc	44	97	43	8	3	–	9	4-6	4-6	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 12th Hrs. (38)
1	London (Kew)	53	41	34	Tr	–	0·3
	Croydon	54	40	36	0·5	–	0·4
	S. Farnborough	53	39	32	0·2	–	0·1
	Boscombe Down	52	39	35	0·1	–	0·2
	Thorney Island	53	42	36	0·1	–	*
	Lympne	*	38	35	Tr	–	0·0
	Manston	54	41	38	Tr	–	0·2
2	Shoeburyness	54	41	34	Tr	–	0·3
	Felixstowe	55	41	38	Tr	–	2·3
	Gorleston	55	39	32	–	–	1·8
	Mildenhall	56	39	34	–	–	1·5
	Cranwell	54	37	35	Tr	1	1·4
3	Birmingham	54	39	35	0·1	0·1	2·3
	Upper Heyford	53	40	36	Tr	–	*
4	Ross-on-Wye	54	42	35	Tr	–	2·4
5	Hartland Point	50	45	43	1	Tr	0·9
	Bristol	52	41	37	Tr	–	1·0
	Portland Bill	50	46	*	–	–	*
	Plymouth	53	44	41	Tr	0·1	0·4
	The Lizard	52	45	*	0·5	–	0·6
	Scilly (St. Mary's)	53	45	*	0·6	0·2	1·0
	Guernsey						
6	Pembroke	51	44	*	1	–	3·5
7	Holyhead (Valley)	52	42	40	0·5	–	*
	Chester (Sealand)	55	43	40	2	5	1·4
8	Manchester	52	40	37	2	2	*
10	Spurn Head	52	39	*	Tr	–	1·8
	Catterick	51	39	33	Tr	1	3·7
	Tynemouth	53	37	33	–	0·2	*
11	St. Abbs Head	*	34	32	4	–	*
	Leuchars	50	36	31	4	Tr	4·5
12	Renfrew (Abbots I.)	51	35	33	2	2	2·1
	Eskdalemuir	47	33	32	8	2	0·9
	Point of Ayre	50	43	*	2	0·2	2·2
13A	Tiree	49	36	32	0·3	2	1·3
13B	Stornoway	46	33	32	5	3	0·2
15	Dalwhinnie	42	31	31	8	3	0·3
	Aberdeen †	47	33	30	2	0·2	4·9
	Wick	45	31	31	0·4	4	*
16	Sumburgh	46	30	28	3	3	0·9
17	Blacksod Point	50	40	*	2	3	*
18	Malin Head	49	38		1	1	0·0
	Aldergrove	49	37	33	0·5	1	2·5
19	Birr Castle	52	39	36	0·1	–	3·8
20	Valentia Obsy.	52	44	40	0·6	0·6	3·2
	Roches Point	53	43	*	0·4	1	*

* Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 12th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	50	89646	98316	30	01753	59623	30	27744	94984	2-	83647	60587
115												
203							80	88845	26685			
206	36	25844	57785	97	26754	57885	36	26864	59685	86	26853	28484
210	26	01944	55684	96	14746	56688	3-	01854	57584	9-	02857	59527
220	83	27755	54785	90	89646	58786				50	01754	25514
230	86	27744	51785	97	10654	57724	3-	27844	58785			
245	20	01943	56784	2-	81747	56517	00	00790	57400	26	01951	26313
260	8-	25745	57785	87	25753	57485	50	01751	57401	00	00790	24300
278	27	02854	59667	81	02744	59687	9-	81648	92888			
279	8-	10857	57087	6-	02745	56688	30	81852	91882	80	10853	22383
285										20	01745	28615
288	87	22853	55563	14	55625	07644	04	01890	56601	50	01851	23401
575	86	81874	63686				8-	81846	63586	40	01743	32483
301	37	25635	55786				50	02753	60723	50	02763	28713
321				46	01763	59514						
2.9				40	01752	24412	00	00790	24400	10	01753	2.413
292				40	01853	57414	50	01862	23381	50	01861	26401
310	--	02626	24526									
614	57	21646	57658	54	01754	57714	5-	02755	59525	8-	02744	57314

III	13h. G.M.T. 12th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	2-	01756	24554	87	25855	58586	83	02764	59525	20	01753	58413
334	--	02644	28515							--	02645	28416
340	57	02854	59425	83	02854	26315	53	02754	59325	50	01754	24242
136	5-	61746	20628	59	02754	24667	5-	02866	23536	00	00890	24500
336	57	22654	28667	23	01753	28514				57	02654	28516
350	5-	02745	55627	54	02743	58525	07	02790	26526	90	01764	26314
368	5-	51523	57698	50	00743	57603	50	00751	24521	50	01753	28403
379	5-	02735	55558	50	25753	59584	03	02790	24425	07	05690	26302
390	57	02655	55426	44	02755	16450	57	05645	24487	50	02745	26425
382	52	02936	56758	43	02864	59555	07	02890	25527	54	01861	26411
438	5-	14738	22728	52	14627	22728	5-	14655	24715	50	01754	25514
430	5-	02748	55528	5-	01763	24413	00	02790	24527	50	01751	25311
409	5-	52518	56658	50	01752	58612	20	01853	61515	24	01754	61514

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th February
Day 7h—18h Kew and Croydon. 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cm₀c	r₀bbc	bcez₀
Croydon	c	cd₀d₀bcm₀	cm₀
Greenwich	cq	crqbc	bcobm₀
Camden Square	c	c	*
Kensington	c	cbc	*
Hampstead	c	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre

Kew 24 hours ended 7h. Max. 0·2 Time 17-1 12th. Min. 0·1 Time 0-6h 13th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	41	34	Tr	–	0·3	*	*
Croydon	54	40	36	0·5	–	0·4	*	*
Greenwich	54	41	33	0·3	–	0·2	91	61
Westminster	54	39	33	Tr			89	69
Regents Park	51	41	38	–	–		79	67
Camden Square	53	41	35	–	–	*	*	65
Kensington	55	40	33	–	–		71	65
Hampstead	53	37	32	–	–		*	70

SECRET

Page 1 BRITISH SECTION

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

Sunday 14th February 1943.

No. 29669

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·5	+10	NW'W	4	c-bc	48	45	27	8	7	-	5	7-8	7-8	4000
	Croydon	28·4	+10	NW	4	c-bc	48	65	36	6	1	-	-	7-8	7-8	2000
	S. Farnborough	28·9	+8	W'N	4	bc	49	55	43	8	1	-	9	4-6	4-6	2500
	Boscombe Down	29·9	+14	WNW	4	c-bc	47	65	35	8	2	-	9	4-6	7-8	2500
	Thorney Island	29·0	+2	NW	4	bc	49	55	34	7	1	-	-	2-3	4-6	2500
	Lympne	27·2	+10	WNW	5	z_0	45	65	33	6	1	-	-	4-6	4-6	2500
	Manston	26·8	+18	NW'W	4	c-bc	45	75	37	7	5	3	/	7-8	7-8	2800
2	Shoeburyness	26·6	+12	NW	3	z_0	48	65	37	6	1	-	-	4-6	4-6	2500
	Felixstowe	25·4	+18	W'S	6	c-bc	47	65	35	7	2	-	-	7-8	7-8	2500
	Gorleston	23·5	+8	NW	5	c-bc	46	65	34	7	8	-	-	7-8	7-8	2500
	Mildenhall	25·1	+12	WNW	5	b	48	65	36	7	1	-	-	1	1	2500
	Cranwell	24·9	+10	NW	5	c	47	65	34	7	8	6	-	4-6	9	2000
3	Birmingham	27·6	+10	WNW	4	bc	47	55	32	7	7	-	-	4-6	4-6	2500
	Upper Heyford	27·6	+10	NW'W	4	bc	47	65	34	8	1	4	1	4-6	4-6	2800
4	Ross-on-Wye	28·7	+6	WNW	4	b-bc	49	55	35	8	1	4	1	2-3	2-3	3500
5	Hartland Point	32·4	+8	WNW	4	bc	47	75	40	8	2	-	6	2-3	4-6	2800
	Bristol	30·7	+8	W'N	4	bc	48	75	39	7	1	-	1	2-3	4-6	2500
	Portland Bill	31·5	+16	W	4	c-bc	50	92	48	8	2	-	-	7-8	7-8	4000
	Plymouth	33·3	+8	NW	3	bc	50	65	39	8	1	-	-	4-6	4-6	2800
	The Lizard	34·6	+16	NW	4	c-bc	50	75	41	8	2	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	35·7	+8	NW'W	3	b-bc	53	75	35	8	7	-	-	2-3	2-3	1800
	Guernsey															
6	Pembroke	31·9	+2	W	4	b-bcq	48	85	43	8	1	4	-	1	2-3	3000
7	Holyhead (Valley)	28·1	+12	WNW	5	c-bc	48	85	42	8	2	4	2	Tr	7-8	2500
	Chester (Sealand)	27·0	+10	W'N	4	c	48	65	36	8	7	7	3	4-6	9	3000
8	Manchester	26·2	+4	W'S	5	c-bc	45	75	38	7	2	5	-	4-6	7-8	2500
10	Spurn Head	22·2	+6	W'N	6	bc	44	65	34	7	2	-	-	4-6	4-6	2500
	Catterick	22·8	+8	WNW	4	c-bc	46	55	31	8	5	-	6	2-3	7-8	2000
	Tynemouth	20·9	+6	W	4	bc	45	75	36	7	-	4	1	0	4-6	-
11	St. Abbs Head	17·6	+2	W	5	bc	43	65	31	7	4	4	-	4-6	4-6	3500
	Leuchars	16·9	-8	WNW	3	bc	45	65	33	8	4	4	-	2-3	4-6	2500
12	Renfrew (Abbots I.)	18·9	-16	WSW	4	pr	45	85	40	8	8	7	-	4-6	7-8	1600
	Eskdalemuir	20·9	-2	SW'W	3	c	41	75	32	8	5	2	-	4-6	9+	2200
	Point of Ayre	24·1	+4	W'N	6	c	47	75	40	8	4	7	-	Tr	9+	2000
13A	Tiree	17·3	-22	WSW	6	++	46	92	43	6	-	2	-	10	10	1000
13B	Stornoway	10·2	-50	SW	5	$+_0+_0$	42	97	41	7	6	2	-	7-8	10	2200
15	Dalwhinnie	15·5	-12	SW	3	pr	37	85	33	7	5	-	-	10	10	1500
	Aberdeen	14·8	-14	W'S	3	/b	44			8	-	5	-	0	1	-
	Wick	11·7	-10	SW	3	c/pr	39	85	35	7	5	2	-	7-8	10	2000
16	Sumburgh	06·8	-14	W'N	5	c	39	75	33	8	8	7	-	9	9+	2500
17	Blacksod Point	27·4	-4	NE'N	6	c	50	85	46	7	8	-	6	7-8	9	2500
18	Malin Head	29·9	-18	W'S	5	ir_0	47	85	43	7	6	2	-	7-8	10	1500
	Aldergrove	24·1	-8	SW'W	4	c	45	85	39	8	5	-	-	10	10	2000
19	Birr Castle	29·3	-2	WNW	2	c	49	75	42	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	33·8	0	W	4	c	49	75	42	8	5	-	-	9+	9+	2500
	Roches Point	32·9	-2	WNW	3	bc	50	85	46	8	5	-	-	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	28·7	+6	WSW	3	z_0	46	65	35	6	5	7	-	7-8	9	2500	1	*
Croydon	28·5	+6	W	4	z_0	48	65	37	6	5	7	-	2-3	9	3000	1	*
S. Farnborough	29·4	+8	WSW	3	b-bc	45	75	38	8	5	4	4	Tr	2-3	3000	1	*
Boscombe Down	29·9	0	WSW	4	c	43	75	36	8	4	5	6	1	9	2500	0	*
Thorney Island	30·4	+10	W'N	3	z_0	46	75	38	6	-	4	6	0	7-8	-	1	*
Lympne	28·5	+10	W	2	z_0	45	65	35	6	-	7	-	0	9+	-	1	3
Manston	27·6	+10	W'S	2	z_0	45	75	37	6	-	7	-	0	9+	-	1	*
Shoeburyness	27·4	+4	NW	2	z_0	47	65	35	6	-	3	-	0	9+	-	1	*
Felixstowe	26·5	+8	WSW	4	z_0	46	65	46	6	-	3	-	0	9+	-	0	4
Gorleston	23·9	+2	W	3	z_0	45	65	33	6	5	-	-	10	10	1500	0	2
Mildenhall	25·3	+2	WSW	4	c	45	75	36	7	-	7	-	0	10	-	0	*
Cranwell	23·3	-14	WSW	4	z_0	45	75	38	6	5	7	-	7-8	9+	1800	1	*
Birmingham	26·8	-2	WSW	4	c	45	75	38	7	5	-	-	9+	9+	1500	1	*
Upper Heyford	27·4	+2	SW	3	c	44	75	36	8	5	-	5	9	9	5700	1	*
Ross-on-Wye	27·8	-4	W	3	c-bc	47	65	38	8	5	7	-	7-8	7-8	3000	1	*
Hartland Point	36·7	-8	WNW	4	c	47	85	42	8	2	5	-	1	9	2000	1	4
Bristol	30·4	+2	W	3	z_0	45	85	42	6	7	-	-	4-6	4-6	4000	1	*
Portland Bill	31·8	-4	W	4	c-bc	48	92	46	8	2	4	-	4-6	7-8	4000	1	4
Plymouth	33·2	-2	W	4	z_0	48	85	42	6	1	4	-	Tr	2-3	2500	1	2
The Lizard	33·6	-6	WNW	5	bc	48	75	41	8	2	-	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	34·3	-10	W'N	4	b-bc	48	75	42	8	8	4	-	1	2-3	1400	1	4
Guernsey																	
Pembroke	29·9	-4	W	6	bcq	48	92	46	8	8	2	-	4-6	4-6	2500	1	4
Holyhead (Valley)	25·9	-10	WSW	5	c	48	75	42	8	5	9	-	2-3	9+	2500	1	
Chester (Sealand)	24·2	-14	W'N	3	c	49	65	37	8	5	7	-	2-3	9+	2500	0	*
Manchester	24·0	-2	SW'S	5	c/r	46	75	38	7	5	2	-	7-8	10	1500	1	*
Spurn Head	22·4	-6	SW'W	4	o	45	75	37	5	5	-	-	10	10	1500	0	4
Catterick	19·1	-30	W	4	ir_0	46	75	30	7	5	2	-	7-8	10	600	1	*
Tynemouth	17·4	-28	W	5	c	46	75	40	6	-	-	-	9+	9+	2500	1	3
St. Abbs Head	11·4	-30	W	5	c	47	75	38	7	5	-	-	10	10	2500	0	4
Leuchars	10·1	-34	WSW	6	c	47	85	42	8	5	1	7	2-3	9+	1600	1	*
Renfrew (Abbots I.)	15·6	-2	WSW	5	ir_0	47	92	45	6	5	-	-	10	10	800	2	*
Eskdalemuir	16·3	-14	WSW	6	r_0r_0	43	85	39	6	5	-	-	10	10	1900	1	*
Point of Ayre	20·0	-24	W'N	6	ir_0	47	85	42	8	6	7	-	Tr	9+	1500	1	5
Tiree	13·8	-10	W	7	z_0	45	97	45	5	5	2	-	4-6	10	800	1	6
Stornoway	05·5	-6	WSW	7	c/r	49	85	43	6	6	2	-	2-3	10	1000	1	5
Dalwhinnie	09·5	-28	WSW	4	rr	43	85	38	6	5	2	-	7-8	10	1500	1	*
Aberdeen	07·6	-36	WSW	2	c	45	75	35	8	5	7	7	1	10	2500	1	*
Wick	04·0	-24	SW	4	r_0r_0	43	92	41	6	5	2	-	7-8	10	1500	1	*
Sumburgh	98·0	-64	SW	6	rr	39	92	37	6	-	2	-	10	10	1200	1	
Blacksod Point	25·1	-8	SW'W	5	bc	49	85	45	8	8	-	-	4-6	4-6	2500	1	4
Malin Head	17·8	-8	W	7	c/r	49	85	45	7	6	2	-	7-8	10	1500	2	5
Aldergrove	21·4	-16	WSW	4	c	47	75	46	7	5	7	-	9+	9+	1000	1	*
Birr Castle	27·3	-14	WNW	3	c-bc	48	75	41	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	32·3	-6	WSW	4	c	49	75	42	8	5	-	-	9+	9+	2500	1	4
Roches Point	30·8	-10	W'N	3	b-bc	49	85	45	8	5	4	-	1	2-3	2500	1	4

PAST 24 HOURS. Weather.

Stations	7h.—13h. 13th (39)	13h.—18h. 13th (40)	18h. 13th to 1h. 14th (41)	1h.—7h. 14th (42)
London (Kew)	$bbcz_0c$	$bcycz_0$	cz_0c	cbcw
Croydon	bcm_0z_0	$bcbz_0$		bcm_0
S. Farnborough	bbcbbcy	bcybc	bcc	cb,c
Boscombe Down	bbcbbc	bcc	cbcc	bbcc
Thorney Island	bbc	bcybc	cbccbc	bm_0bcm
Lympne	bcm_0	bcb,cm_0	cz_0cbc	bcbbc
Manston	bbc	bcz_0	cm_0c	bcm_0bm_0
Shoeburyness	bcz_0	bcz_0	cz_0	bcm_0
Felixstowe	bcb,c	$cbccm_0$	$cmbcm_0$	bcm_0
Gorleston	bcb	$bccz_0$	cr_0	cq
Mildenhall	b,cb	c	cb,bc	bccb
Cranwell	$bbcm_0b$	ccm_0	cm_0bcm_0	cm_0c
Birmingham	bbc	bbc	c	c
Upper Heyford	bc	bc	cbcc	bbcc
Ross-on-Wye	bcbbc	bcycc	cbcb	bcc
Hartland Point	bc	bcc	c	cbccdd
Bristol	bcbbc	$bc,bccm_0$	bcm_0c,bbc	$bccm_0$
Portland Bill	c	c	c	c
Plymouth	bc	bc	bcm_0c	cbc
The Lizard	bcc	bc	bcc	co
Scilly (St. Mary's)	bccbc	bc	bcc	c
Pembroke	cbq	bcq	bcq	cq
Holyhead (Valley)	bcc	bcycyc	cbcb	c
Chester (Sealand)	cbc	c	c,bc,b,c	$cir_0r_0r_0m_0$
Manchester	bz_0bcc	cz_0	c	ir_0id_0
Spurn Head	bcq	om_0	om_0	c
Catterick	bcy	$bccvir_0$	cr_0bcc	cbcc
Tynemouth	bc	$bccm_0$	cq	cbcq
St. Abbs Head	$bbcm_0bc$	bcm_0c	cbcc	cqc
Leuchars	bbcbbc	$bccir_0c$	cbc	bbc
Renfrew (Abbots I.)	$cbccpr_0$	$cpr_0cm_0r_0r_0$	cz_0ccz_0	$cz_0cm_0id_0c$
Eskdalemuir	$bcps_0c$	cpr_0r_0	$cr_0r_0pr_0c$	c
Point of Ayre	cbcc	cir_0	ir_0r	cbcc
Tiree	$cbccr_0r$	cr_0rcm_0	c	cp_0cr_0
Stornoway	$cir_0cr_0r_0$	$cr_0r_0m_0$	$om_0cr_0m_0c$	r_0prbcr_0
Dalwhinnie	$bcprs_0$	orr		oir
Aberdeen	$bccp_0sby$	bybcc	cbc	bcc
Wick	cpr_0c	$cp_0cr_0r_0$	$r_0r_0m_0$	$cprbcpr_0$
Sumburgh	ps_0c	$cr_0r_0rrm_0$	$crrRbcm_0$	bcprbc
Blacksod Point	c	b	d	d
Malin Head	pr	r	r	r
Aldergrove	cpr_0c	c	c	c
Birr Castle	c	c		r
Valentia Obsy.	b	b	d	r
Roches Point	pr	b	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 14th February 1943.

Districts	Forecast
1 S.E. England; 2 E. England ✝; 3 E. Midlands; 4 W. Midlands	Moderate to fresh westerly winds; cloudy or dull; occasional drizzle in places; mild.
5 S.W. England; 6 South Wales ✝	Moderate or fresh westerly winds; dull; occasional drizzle; local hill and coast fog or mist; mild.
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 ✝; 13A W. Scotland ✝; 13B N.W. Scotland ✝; 14 Mid Scotland; 15 N.E. Scotland ✝	Westerly winds, fresh to strong, reaching gale at times on parts of the coast; dull; occasional rain and drizzle; rather mild.
16 Orkneys and Shetlands ✝; 17 N.W. Ireland ✝; 18 N.E. Ireland ✝	As 7-15.
19 S.E. Ireland ✝; 20 S.W. Ireland ✝	As 5-6.

GENERAL INFERENCE

A wide current of mainly mild westerly winds prevails over the British Isles between a high pressure belt to the Southwest and a low pressure belt to the north and is likely to persist. Weather will be mainly cloudy or dull with occasional slight drizzle in the South and more general occasional rain or drizzle in the North. Strong winds are likely at times in the North.

FURTHER OUTLOOK

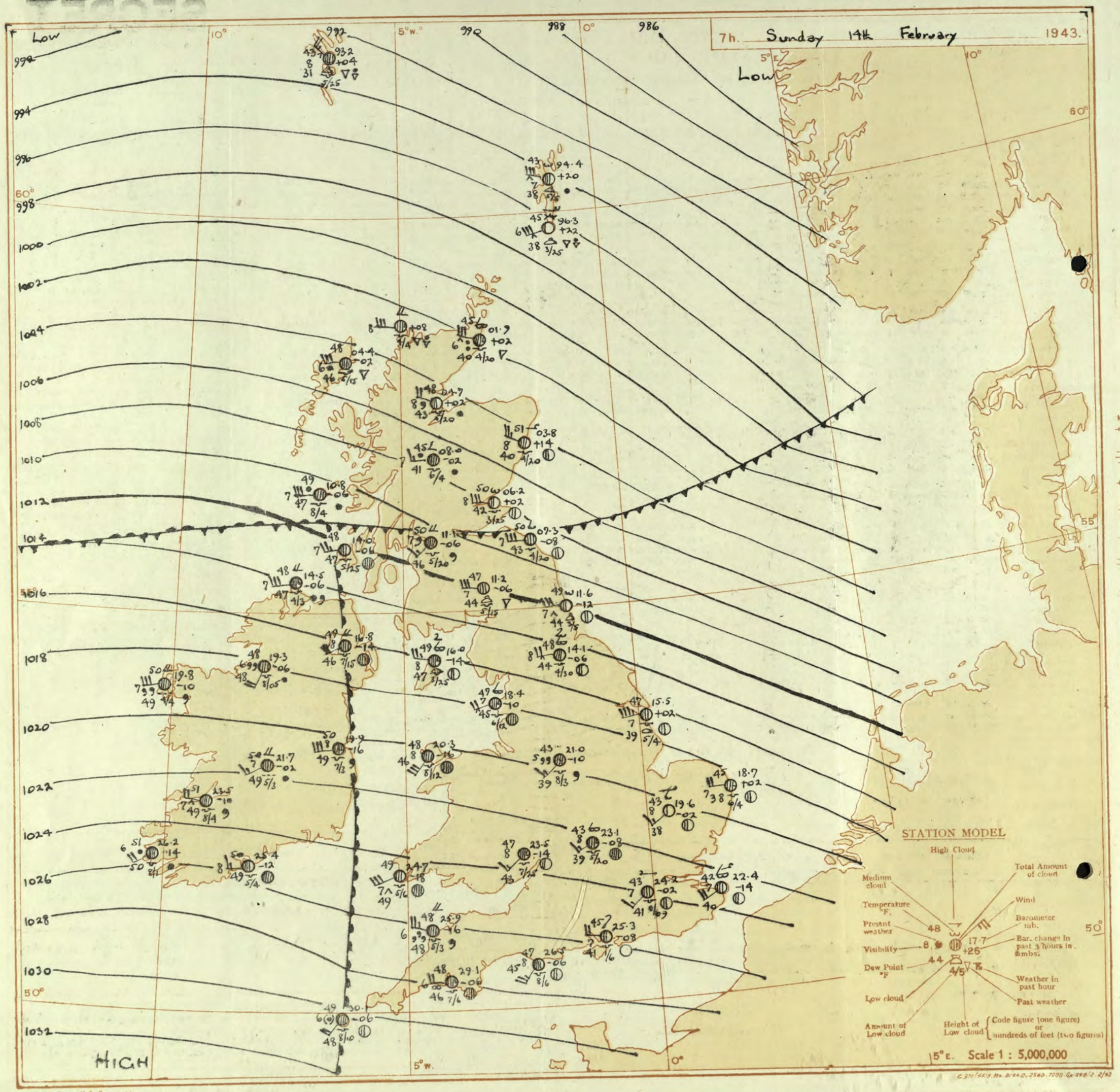
Probably rather brighter, more showery and somewhat colder conditions in the North; cloudy and mild in the South but no considerable rainfall expected.

✝ Gale warning in operation in districts 2. 6. 19 (part of) issued 0220h 14th Feb: districts 13A 13B, 16. 15 & 18 (parts of) issued 0700h 13th Feb: districts 7, 8. 10. 11. 12, 17 & 15, 18, 19, 20 (parts of) issued 1640h 13th Feb:

Forecasts issued at 10.30

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

Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

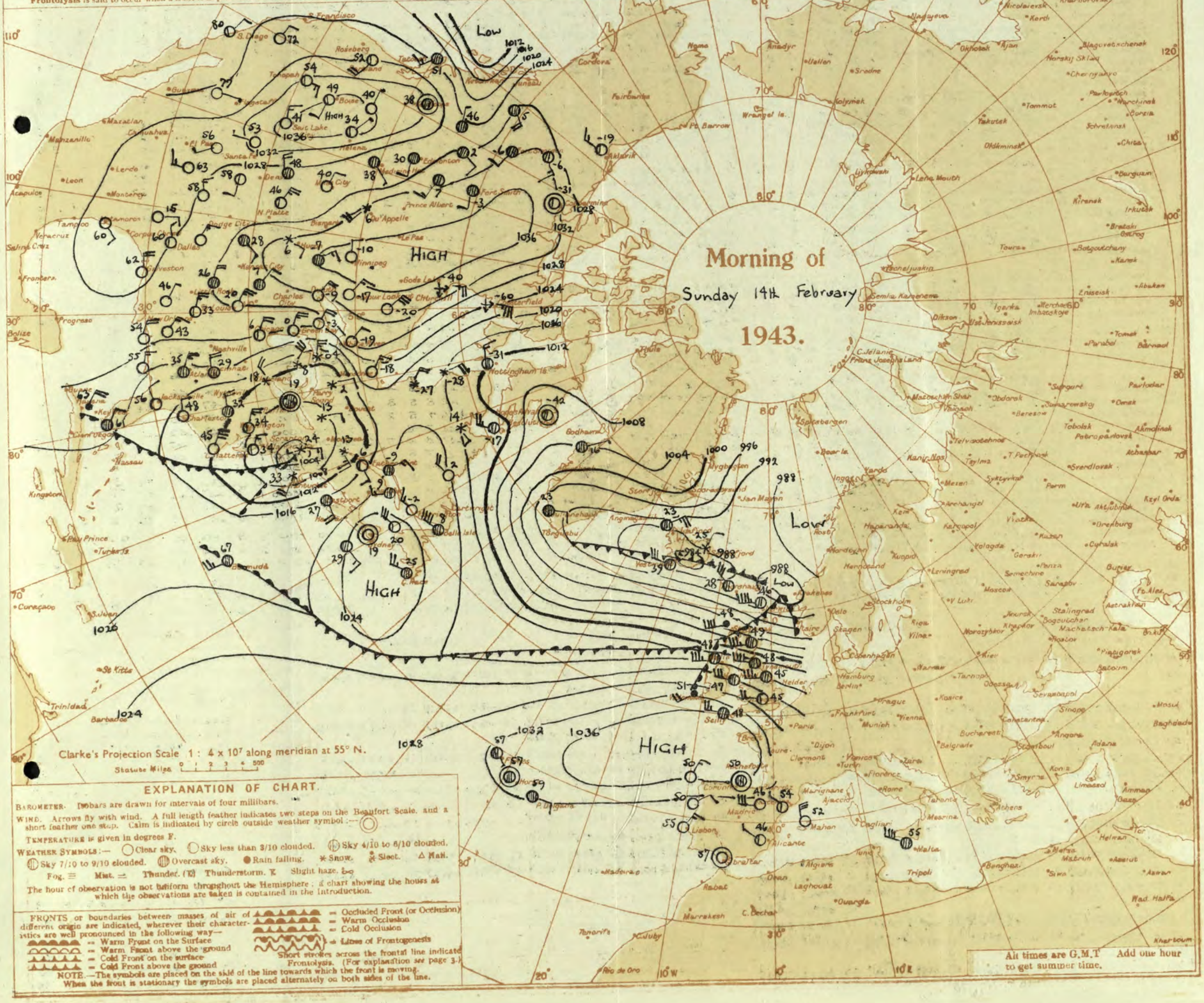
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- = Warm Front on the Surface
- = Warm Front above the ground
- = Cold Front on the surface
- = Cold Front above the ground
- = Occluded Front (or Occlusion)
- = Warm Occlusion
- = Cold Occlusion
- = Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Sunday 14th February 1943

No. 29669

OBSERVATIONS at 1 hr. G.M.T. 14th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26.2	-12	W'N	4	b	45	85	41	7	4	-	-	Tr	1	1200
	S. Farnborough	226	26.7	-8	W'S	5	c	46	85	41	8	5	3	-	7-8	9+	2500
	Boscombe Down	417	27.8	-6	W'N	5	c	46	85	40	8	5	1	-	7-8	10	2500
	Thorney Island	10	27.5	-10	W'S	4	bc	45	75	39	7	-	3	-	0	4-6	-
	Lympne ...	283	25.7	-28	N	3	bc	42	85	39	7	6	3	-	0	4-6	-
	Manston ...	154	24.3	-14	W	3	c	44	85	41	7	5	3	-	2-3	9	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22.9	-14	WSW	4	Z_0	46	75	39	6	-	4	-	0	4-6	-
	Gorleston ...	5	20.5	-8	W	4	c	45	85	40	7	5	7	-	4-6	10	1500
	Mildenhall ...	15	21.3	-14	W'S	6	b-bc	44	85	39	8	-	-	5	0	2-3	-
	Cranwell ...	203	19.6	-12	W'S	6	c	46	75	39	7	5	-	-	9+	9+	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.6	+2	WSW	3	b-bc	43	85	39	7	5	-	5	Tr	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29.3	-8	WNW	5	c	47	86	43	8	5	-	-	9	9	2500
	Bristol ...	209	27.3	-12	W'N	5	b-bc	45	85	42	7	5	4	-	2-3	2-3	2500
	Portland Bill ...	32	28.5	-18	W	4	c	47	92	45	8	5	-	-	10	10	4000
	Plymouth ...	82	31.3	-10	W'N	4	c	48	85	43	7	5	-	-	10	10	3000
	The Lizard ...	240	32.4	-8	NW'W	5	c	48	85	44	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	32.8	+2	W'N	5	c	48	85	45	7	5	8	-	7-8	9+	1200
	Guernsey ...	175												-			
6	Pembroke ...	142	27.8	-6	W'N	6	bcq	48	92	46	8	1	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	24.1	-14	W'N	6	c	47	85	41	8	5	-	-	9+	9+	2500
	Chester (Sealand)	16	22.0	-8	WNW	4	bc	48	65	37	8	7	-	-	4-6	4-6	3000
8	Manchester ...	235	22.1	-4	S'N	5	c	46	85	41	7	5	7	-	7-8	9+	2500
10	Spurn Head ...	29	17.5	-20	W'S	7	c	45	75	38	6	7	-	-	10	10	1500
	Catterick ...	175	16.5	-6	WSW	3	c-bc	50	65	47	8	5	3	-	4-6	7-8	2800
	Tynemouth ...	108	13.7	-8	W	8	cq	48	85	42	7	8	-	-	9	9	2500
11	St. Abbs Head	280	08.5	-14	W	5	c	49	75	40	7	5	-	-	9	9	2500
	Leuchars ...	36	06.1	-22	WSW	8	b-bc	49	75	41	8	5	-	-	2-3	2-3	3000
12	Renfrew (Abbots I.)	19	12.1	-16	WSW	5	Z_0	50	75	43	6	5	-	-	9+	9+	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18.7	-6	W'N	6	c	48	85	44	8	8	2	-	7-8	10	2000
13A	Tiree	44	12.6	-10	W'N	7	c	48	92	46	7	5	-	-	10	10	2500
13B	Stornoway ...	15	04.5	+2	WSW	8	ir_0	48	92	46	6	5	7	-	7-8	9+	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	02.9	-10	W	7	bc	49	65	37	9	5	7	-	1	4-6	4500
	Wick ...	114	00.7	-10	W	6	c	47	85	42	6	5	7	-	7-8	9+	1500
16	Sumburgh ..	19	92.0	-4	WNW	9	bc/r	48	65	34	7	1	3	-	4-6	4-6	2000
17	Blacksod Point	18	22.4	-18	WSW	5	d_0d_0	50	97	49	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	16.4	-10	WSW	7	Id_0	48	97	47	7	5	2	-	7-8	10	1500
	Aldergrove ...	268	19.0	-24	WSW	5.	c	47	85	42	7	5	-	-	10	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.8	-20	SW'W	4	d_0d_0	51	97	50	5	5	-	-	10	10	450
	Roches Point	22	28.6	-16	W'S	4	b-bc	46	97	45	8	5	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 14th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	23.6	-6	W'S	3	bc	44	85	39	7	5	7	8	4-6	4-6	1500	1	*
Croydon ...	24.2	-2	WSW	3	c-bc	43	92	41	7	5	-	5	Tr	7-8	900	1	*
S. Farnborough	24.3	-4	W	5	c	45	85	41	8	5	7	-	9+	9+	1400	1	*
Boscombe Down	25.9	-6	W'S	4	c	44	85	41	8	5	2	-	9	9+	2500	0	*
Thorney Island	25.3	-8	WNW	4	bc	45	85	41	7	5	-	4	Tr	4-6	4000	1	*
Lympne ...	23.7	-10	W'S	3	bc	41	92	39	7	-	3	5	0	4-6	-	1	3
Manston ...	22.4	-14	W'S	4	c-bc	42	92	40	7	-	7	8	0	7-8	-	1	*
Shoeburyness ...	22.2	-12	W	4	Z_0	44	85	39	6	-	7	-	0	2-3	-	1	*
Felixstowe ...	21.6	+2	SSW	5	Z_0	43	83	38	6	-	4	6	0	4-6	-	0	4
Gorleston ...	18.7	+2	W'N	5	c	45	75	38	7	5	-	-	9	9	1500	0	3
Mildenhall ...	19.6	-2	WSW	3	b-bc	43	75	38	8	-	4	1	0	2-3	-	0	*
Cranwell ...	18.1	-14	W	5	Z_0	44	85	40	5	5	3	-	2-3	9+	2500	1	*
Birmingham ...	22.3	-2	SW	4	c	45	92	43	7	5	-	-	10	10	1500	1	*
Upper Heyford	23.1	+8	W'S	3	c	43	85	39	8	5	7	-	7-8	9+	2000	1	*
Ross-on-Wye	23.5	-14	SW'W	3	c	47	85	43	8	5	-	-	9+	9+	2500	1	*
Hartland Point	25.9	-16	WNW	5	dd	48	87	48	6	5	2	-	7-8	10	800	1	5
Bristol ...	25.9	-10	W	4	Z_0	47	92	45	6	5	2	-	7-8	10	1500	1	*
Portland Bill ...	26.5	-6	SW	5	c.	47	92	45	8	5	-	-	10	10	4000	1	4
Plymouth ...	29.1	-6	W	4	Z_0	48	92	46	6	5	-	-	9+	9+	3000	1	2
The Lizard ...	30.0	-10	W'S	5	o	49	92	47	7	5	-	-	10	10	1000	0	4
Scilly (St. Mary's)	30.1	-6	SW	4	c/p	49	87	48	6	5	-	-	10	10	1500	1	4
Guernsey ...																	
Pembroke ...	24.7	-18	W'S	6	c-bcq	49	97	49	7	5	-	-	7-8	7-8	4000	1	5
Holyhead (Valley)	20.3	-16	SW	6	c	48	92	46	8	5	-	-	10	10	1200	1	5
Chester (Sealand)	20.0	-8	WSW	2	c	49	85	43	7	5	2	-	9	10	2500	1	*
Manchester ...	19.6	-6	SSW	4	c/d	46	92	44	6	5	2	-	7-8	10	1500	1	*
Spurn Head ...	15.5	+2	W	7	c-bc	47	75	39	7	7	-	-	7-8	7-8	1500	0	5
Catterick ...	14.1	-6	W	4	c-bc	48	85	44	8	5	7	9	4-6	7-8	3000	1	*
Tynemouth ...	11.6	-12	W	8	bcq	49	85	44	7	2	3	-	2-3	4-6	2500	1	4
St. Abbs Head	07.3	-8	W	6	c-bc	50	75	43	7	5	4	-	4-6	7-8	2000	0	5
Leuchars ...	06.2	+2	W	6	bc	50	75	42	8	5	3	-	2-3	4-6	2500	1	*
Renfrew (Abbots I.)	11.1	-6	SW	3	id_0	50	85	46	7	5	2	-	7-8	10	2000	1	*
Eskdalemuir ...	11.2	-6	W	6	c-bc	47	88	44	7	8	-	-	7-8	7-8	1500	1	*
Point of Ayre ...	16.0	-14	W'N	5	c	49	92	47	8	4	7	5	2-3	9+	2500	1	4
Tiree	10.8	-6	W	6	ir_0	49	92	47	7	5	-	-	10	10	1500	1	6
Stornoway ...	04.4	-2	W	6	ir_0	48	97	47	6	5	-	-	7-8	10	1500	1	5
Dalwhinnie ...	08.0	-2	W	3	ir_0	48	85	41	7	5	1	-	9	10	1500	1	*
Aberdeen † ...	03.8	+14	WNW	5	c-bc	51	65	40	8	5	-	8	4-6	7-8	2000	1	3
Wick ...	01.9	+2	WNW	6	ir	45	85	40	6	5	7	-	4-6	9+	2000	1	*
Sumburgh ..	96.3	+22	W'N	6	b-bc/pr	45	75	38	6	2	6	2	2-3	2-3	2500	1	6
Blacksod Point	19.8	-10	W	6	d_0d_0	50	97	49	7	6	2	-	4-6	10	1500	1	5
Malin Head ...	14.5	-6	W	6	c/d	48	97	47	7	5	2	-	4-6	9+	800	2	6
Aldergrove ...	16.8	-14	WSW	4	c	49	92	46	8	5	2	-	9+	10	1500	1	*
Birr Castle ...	21.7	-2	WSW	3	c	50	97	49	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	26.2	-14	WSW	4	ir_0	51	97	50	6	5	-	-	10	10	220	1	4
Roches Point	25.4	-12	W	3	c-bc	50	97	49	8	5	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	50	44	39	-	-	7.5
Croydon ...	49	43	39	-	-	7.2
S. Farnborough	50	43	38	-	-	7.9
Boscombe Down	49	42	39	-	-	7.6
Thorney Island	50	43	39	-	-	*
Lympne ...	*	38	37	-	-	7.1
Manston ...	47	42	40	-	-	5.9
Shoeburyness ...	48	43	34	-	-	5.5
Felixstowe ...	48	42	39	-	-	6.1
Gorleston ...	47	44	40	-	Tr	6.9
Mildenhall ...	48	42	38	-	-	5.2
Cranwell ...	48	43	41	-	-	3.6
Birmingham ...	47	43	40	-	-	5.4
Upper Heyford	49	41	35	-	-	*
Ross-on-Wye	50	44	37	-	-	6.9
Hartland Point	48	45	44	-	0.1	5.0
Bristol ...	49	45	41	-	-	7.1
Portland Bill ...	50	45	*	-	-	*
Plymouth ...	51	45	41	-	-	7.4
The Lizard ...	52	47	*	-	-	8.2
Scilly (St. Mary's)	53	47	*	-	-	8.2
Guernsey ...						
Pembroke ...	49	46	*	-	-	5.4
Holyhead (Valley)	50	46	44	-	-	*
Chester (Sealand)	49	47	43	-	Tr	2.8
Manchester ...	47	46	42	Tr	1	*
Spurn Head ...	45	42	*	-	-	5.7
Catterick ...	46	46	42	0.5	-	4.2
Tynemouth ...	46	46	43	-	-	*
St. Abbs Head	*	46	*	-	-	*
Leuchars ...	47	46	44	Tr	-	4.7
Renfrew (Abbots I.)	47	48	44	2	0.1	1.7
Eskdalemuir ...	43	42	42	2	1	0.5
Point of Ayre ...	48	47	*	Tr	Tr	2.3
Tiree	49	46	*	3	0.1	*
Stornoway ...	49	46	*	8	8	0.0
Dalwhinnie ...	43	42	35	3	4	2.2
Aberdeen † ...	45	44	41	Tr	-	2.8
Wick ...	43	43	43	2	6	*
Sumburgh ..	41	38	38	2	6	1.0
Blacksod Point	50	48	*	0.4	0.2	*
Malin Head ...	54	47		0.3	0.6	0.1
Aldergrove ...	48	45	43	Tr	-	2.0
Birr Castle ...	50	45	43	-	0.1	3.1
Valentia Obsy.	52	47	41	-	0.3	1.5
Roches Point	52	46	*	0.2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th February III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 14th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	52	61854	23478	62	64645	56768	5-	01664	57724	57	61763	57767
115							51	62734	91866	52	25844	91687
203												
206	51	61854	22368	62	62743	54568	62	62645	57669	5-	51845	26465
210	57	02964	21488	02	64668	56768	07	22890	55668	5-	61867	55667
220	62	61635	23563							52	02745	22528
230	52	62634	51465	62	22647	55568	62	61645	52768	62	62745	51468
245	25	02952	22415	57	02954	22527	20	01953	57513	80	02963	23215
260	5-	02768	17318	52	05655	53428	5-	05648	57728	5-	05657	24427
278	57	02854	56487	57	22747	56468	52	02757	57628	53	02744	58655
279	52	22656	22588	52	62546	20768	50	25866	24786	57	61748	24568
285	23	02745	24616	27	81635	26688						
288	15	02753	24516	57	02855	53528	57	02765	55527	57	02864	55526
575	57	02745	61486	5-	02755	55625	52	02846	18467	5-	52628	18468
301	23	02861	26516	52	05665	22628	5-	05658	24628	57	02746	56427
321										57	02764	24425
2.0	54	01753	26614	54	02764	22427	5-	02755	24525	54	01754	24515
292	14	01854	26414	57	22746	24468	57	02866	55528	5-	02845	22457
310												
614				85	05654	55426	57	05664	57628	54	02746	55527

13h. G.M.T. 13th February III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 14th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	83	01852	24515	07	02890	22427	57	01751	21403	5-	02757	53427
334	--	02744	28314	--	02744	30315						
340	23	02954	28315	42	02845	22428	40	01841	26411	52	02845	55628
136	20	05654	26504	57	05664	22426	53	05655	23567	54	02753	22514
336	57	02754	28417	53	02754	28516						
350	8-	01765	59325	67	02790	22326	53	01763	23414	54	02745	57525
368	8-	02755	57515	53	05664	55414				5-	52448	57458
379	50	01853	26314	57	02754	23327	00	00790	24410	5-	02748	24428
390	10	05653	24623	07	05690	24317	00	05590	53420	57	05674	24415
382	83	02865	61505	43	02874	22427	00	00790	23410	57	05657	57518
438	84	02754	24414	87	02754	24415				14	01752	24614
430	10	02745	26324	53	05651	26315	53	01762	24424	53	01752	57414
409	2-	01854	61514	55	01753	24524	57	02756	24527	5-	52348	56558

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 262.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 14th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bbczc	bcyczo	czcw
Croydon ...	bcmozo	bobzo	bcmo
Greenwich ...	bcy	bccy	cbc
Camden Square	bc	c	*
Kensington ...	bc	bcc	*
Hampstead ...	b	bc	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0.3 8.9 13th; Min. Time 0.1 0.7 14th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	50	44	39	-	-	7.5	*	*
Croydon ...	49	43	39	-	-	7.2	*	*
Greenwich ...	49	43	37	-	-	5.8	49	78
Westminster ...	51	43	36	-	-		64	81
Regents Park ...								
Camden Square	51	43	37	-	-	*	*	80
Kensington ...	51	43	36	-	-			56
Hampstead ...	49	41	36	-	-		*	87

BRITISH SECTION

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

SECRET

Monday 15th February 1943.

No. 29670

OBSERVATIONS at 13h. G.M.T. 14th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·2	-12	WSW	4	z_0	52	85	47	6	7	3	-	9	9+	1500
	Croydon ...	22·7	-6	W'S	4	z_0	52	86	49	6	5	4	2	7-8	10	1400
	S. Farnborough	22·4	-18	W'S	4	c	51	85	48	8	5	-	-	10	10	800
	Boscombe Down	23·4	-12	W	4	c	51	92	49	8	5	-	-	10	10	1600
	Thorney Island	23·4	-10	W	4	c	52	85	48	6	5	-	-	9+	9+	2500
	Lympne ...	21·8	-14	WSW	4	c-bc	52	85	46	8	5	-	1	7-8	7-8	1500
	Manston ...	21·0	-10	W'N	4	c	53	85	47	7	5	3	-	4-6	9	2500
2	Shoeburyness ...	21·3	-8	WSW	3	z_0	53	85	47	5	5	-	-	4-6	4-6	2500
	Felixstowe ...	19·0	-12	W'S	5	c	54	75	46	7	8	3	2	2-3	9+	4000
	Gorleston ...	17·1	-4	WNW	4	c	52	85	47	7	5	-	-	9+	9+	1800
	Mildenhall ...	18·1	-14	W'S	6	c	55	75	48	8	5	7	6	7-8	9+	2500
	Cranwell ...	15·2	-6	W'N	6	z_0	52	85	46	6	5	7	-	4-6	9+	1200
3	Birmingham ...	19·9	-30	W	4	c	52	85	48	8	5	-	-	10	10	1500
	Upper Heyford	20·6	-14	WSW	5	c	53	85	47	7	5	7	8	2-3	9	3000
4	Ross-on-Wye	21·0	-10	WSW	4	c	54	85	48	7	5	3	1	7-8	9	3000
5	Hartland Point	24·4	-4	WSW	4	dF	49	97	49	1	-	-	-	10	10	<150
	Bristol ...	24·1	-10	W'N	5	o/d	50	97	50	6	5	-	-	10	10	450
	Portland Bill ...	24·7	-18	WSW	5	c	49	85	45	8	5	7	-	10	10	4000
	Plymouth ...	27·0	-10	W'S	4	o/d	51	97	50	6	5	-	-	10	10	800
	The Lizard ...	28·1	-8	WSW	5	o/f	51	97	51	7	5	-	-	10	10	800
	Scilly (St. Mary's)	28·1	-14	W'S	5	ofF	51	97	50	6	5	-	-	10	10	500
	Guernsey ...															
6	Pembroke ...	23·3	-6	W	7	of-	49	97	49	3	-	-	-	10	10	<150
7	Holyhead (Valley)	18·9	-14	WSW	5	c	51	92	49	8	5	4	-	7-8	9	2000
	Chester (Sealand)	17·8	-10	W'N	4	c	57	66	47	8	5	4	8	9	9	2500
8	Manchester ...	17·8	-10	SW'S	5	c/d	50	92	49	7	5	7	-	9	10	1500
10	Spurn Head ...	14·3	+4	W	7	c	51	75	45	7	7	3	-	4-6	9	1500
	Catterick ...	13·3	-10	WSW	4	bc	52	85	45	9	7	-	9	4-6	4-6	2000
	Tynemouth ...	11·7	-6	W	8	bcq	53	75	44	7	2	3	2	2-3	4-6	2500
11	St. Abbs Head	08·0	0	W	6	c-bc	51	75	42	7	5	4	-	4-6	7-8	2500
	Leuchars ...	06·5	-4	W	5	bc	53	75	45	8	2	4	-	4-6	4-6	2000
12	Renfrew (Abbots I.)	09·4	-20	SW'W	3	ld_0	56	92	48	6	6	2	-	7-8	10	800
	Eskdalemuir ...	10·0	-2	WSW	6	pr	49	85	46	6	8	-	-	9+	9+	1200
	Point of Ayre ...	14·3	-16	W'N	6	c	52	85	48	8	6	6	-	4-6	9	1500
13A	Tiree ...	07·8	-28	SW'W	5	d_0d_0	50	97	49	5	5	-	-	10	10	100
13B	Stornoway ...	01·6	-20	WSW	7	c	48	92	46	7	6	2	-	4-6	10	1000
15	Dalwhinnie ...	05·0	-8	W	4	c	46	85	40	8	8	9	-	4-6	9	2500
	Aberdeen ...	03·6	-12	W	2	c	54	65	42	7	5	3	-	9+	9+	2500
	Wick ...	00·4	-14	WSW	4	d_0d_0	48	92	46	8	5	-	-	7-8	10	1200
16	Sumburgh ...	95·7	-12	W'S	6	c	46	85	41	7	5	1	-	Tr	10	2500
17	Blacksod Point	16·9	-14	SW'W	5	a/d	51	97	51	7	6	-	-	10	10	1500
18	Main Head ...	10·8	-22	SW'W	6	d	50	97	50	7	9	2	-	10	10	800
	Aldergrove ...	14·7	-16	SW	3	r_0r_0	50	92	48	4	-	2	-	10	10	400
19	Birr Castle ...	20·1	-14	SSW	3	c	52	92	50	7	6	2	-	7-8	10	800
20	Valentia Obsy.	23·9	-18	WSW	5	pr	53	85	49	8	7	-	-	9+	9+	4000
	Roches Point	23·7	-10	W	4	c	54	85	50	8	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 14th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19·5	-10	WSW	3	z_0	51	85	47	6	5	-	-	9+	9+	2500	1	•
	Croydon ...	20·4	-14	WSW	5	c	52	55	37	6	5	5	-	4-6	9+	900	1	•
	S. Farnborough	20·1	-14	W'S	4	c	51	92	48	8	5	7	-	2-3	9+	800	1	•
	Boscombe Down	21·3	-10	W	4	c	50	92	48	8	5	7	-	2-3	9	3000	0	•
	Thorney Island	21·4	-10	W	4	z_0	51	92	48	6	5	7	2	4-6	9+	4000	1	•
	Lympne ...	20·0	-14	WSW	4	z_0	49	92	47	6	5	-	-	9+	9+	600	1	5
	Manston ...	18·7	-14	SW'W	4	c	50	97	49	7	5	3	-	2-3	9	1400	1	•
2	Shoeburyness ...	18·8	-10	WSW	4	z_0	51	85	47	5	5	7	-	7-8	7-8	4000	1	•
	Felixstowe ...	17·3	-12	SW	4	c	53	85	47	7	5	4	-	9	9+	2500	0	4
	Gorleston ...	15·3	-2	W	4	c	54	75	48	7	5	-	-	10	10	1500	0	3
	Mildenhall ...	15·8	-10	WSW	5	c	53	85	47	8	5	3	-	7-8	9	2000	0	•
	Cranwell ...	14·4	-10	SW	5	c	51	85	48	7	5	-	-	7-8	10	1500	1	•
3	Birmingham ...	17·4	-6	WSW	3	c	52	85	48	8	5	-	-	9+	9+	1500	1	•
	Upper Heyford	18·3	-10	SW'W	3	c	50	92	47	8	5	9	-	4-6	9	1200	0	•
4	Ross-on-Wye	18·8	-12	SW'W	4	c-bc	52	75	44	8	5	-	8	7-8	7-8	3000	1	•
5	Hartland Point	21·1	-16	W	4	c	49	97	49	7	5	6	-	7-8	9	1500	1	5
	Bristol ...	21·8	-6	W	5	c	49	92	47	6	5	-	-	10	10	800	1	•
	Portland Bill ...	21·6	-18	WSW	5	c	49	92	47	8	5	7	-	7-8	10	4000	1	5
	Plymouth ...	24·6	-14	W	3	c	51	85	48	7	5	-	-	7-8	10	1200	1	2
	The Lizard ...	25·3	-10	WSW	5	c	50	97	50	7	5	1	-	7-8	9+	1000	0	4
	Scilly (St. Mary's)	25·2	-16	W'S	5	c	50	97	49	7	5	7	-	9+	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	20·3	-10	W	6	oq	51	85	46	7	5	-	-	10	10	2000	1	4
7	Holyhead (Valley)	15·6	-18	SW'W	4	c	50	85	46	8	5	-	-	9	9	3000	1	3
	Chester (Sealand)	25·4	-6	W	3	c	53	85	47	8	5	2	-	9	10	2500	0	•
8	Manchester ...	15·1	-12	SSW	4	id_0	52	85	47	7	5	2	-	7-8	10	1500	1	•
10	Spurn Head ...	12·4	+2	W	6	o	50	85	46	6	7	-	-	10	10	1500	0	
	Catterick ...	10·7	-22	WSW	3	ir_0	50	85	47	7	5	3	-	4-6	7-8	1800	1	•
	Tynemouth ...	08·9	-14	W	5	c/pr	53	85	49	7	8	-	-	9	9	2500	1	3
11	St. Abbs Head	03·0	-22	W	6	c-bcq	52	85	48	7	5	4	-	4-6	7-8	2500	0	5
	Leuchars ...	00·5	-40	WSW	5	c-bc	51	85	48	8	5	4	2	4-6	7-8	2000	1	•
12	Renfrew (Abbots I.)	04·9	-30	SW'W	6	dr	51	92	48	6	6	2	-	7-8	10	400	2	•
	Eskdalemuir ...	05·2	-32	WSW	7	c-bc/pr	50	85	48	7	5	-	-	7-8	7-8	1100	1	•
	Point of Ayre ...	10·8	-12	W	6	c	50	92	48	8	8	7	-	4-6	9	1500	1	4
13A	Tiree ...	01·7	-38	SW'W	7	dd	49	97	49	5	5	-	-	10	10	200	1	6
13B	Stornoway ...	93·5	-26	WSW	8	c	50	92	48	7	5	2	-	9	10	1000	1	5
15	Dalwhinnie ...	99·5	-40	WSW	5	ir	45	85	41	7	5	-	-	9+	9+	1500	1	•
	Aberdeen ...	97·9	-36	SW	3	c-bc	52	75	43	7	7	3	-	7-8	7-8	3000	1	3
	Wick ...	94·5	-46	SW	2	r_0r_0	46	92	44	7	5	7	-	7-8	10	1500	1	•
16	Sumburgh ...	89·3	-50	W'S	6	r_0r_0	46	97	45	6	5	2	-	7-8	10	900	1	4
17	Blacksod Point	11·8	-30	SW	6	Dr	50	97	50	5	-	2	-	10	10	800	1	5
18	Main Head ...	05·9	-28	WSW	6	dr	49	97	49	6	5	2	-	7-8	10	800	2	5
	Aldergrove ...	10·7	-22	SW'W	4	bc	49	85	45	8	5	7	5	2-3	4-6	1800	1	•
19	Birr Castle ...	15·9	-18	WSW	4	c-bc	51	85	47	8	5	-	-	7-8	7-8	2500	1	•
20	Valentia Obsy.	20·1	-22	SW'W	5	c	51	92	49	7	5	-	-	10	10	1500	1	4
	Roches Point	20·6	-14	W	4	c-bc	51	92	49	8	5	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 14th (39)	13h.—18h. 14th (40)	18h. 14th to 1h. 15th (41)	1h.—7h. 15th (42)
1	London (Kew)	ccm_0	cm_0	$cbcm_0$	cr_0ir_0c
	Croydon ...	cm_0	cm_0	$bccm_0$	$cm_0d_0d_0$
	S. Farnborough	cid_0c	c	c	$cd_0id_0r_0c$
	Boscombe Down	$ccid_0d_0m_0c$	cid_0c	cbcc	$cd_0d_0cr_0r_0m_0$
	Thorney Island	cm_0	cm_0c	cm_0	$cm_0ccm_0id_0$
	Lympne ...	c	$cbcm_0$	$bccm_0$	$coid_0m_0$
	Manston ...	cbcc	cbc	bm_0bc	cm_0ir_0
2	Shoeburyness ...	bcm_0	bcm_0cm_0	bcbbcm	cm_0
	Felixstowe ...	bcm_0cm_0c	c	$bccm_0$	cm_0
	Gorleston ...	c	c	ebccq	cpr
	Mildenhall ...	b_0c	c	c	$ccid_0cir_0$
	Cranwell ...	cm_0ccm_0	cm_0c	cbcc	
3	Birmingham ...	c	c	cbcc	cir
	Upper Heyford	c	$ccir_0c$	cbbcc	$cr_0r_0m_0c$
4	Ross-on-Wye	c	c	c	cpcc
5	Hartland Point	cdddfdf	odfdfc	cir_0p	pir_0c
	Bristol ...	$cd_0d_0m_0cm_0$	cm_0, id_0m_0	cm_0c, cid_0c	$cr_0r_0d_0d_0m_0$
	Portland Bill ...	bcc	c	c	o
	Plymouth ...	$cd_0d_0m_0$	cm_0c	$cm_0cd_0d_0m_0$	$cd_0d_0m_0$
	The Lizard ...	odfmo	coc	o	coddc
	Scilly (St. Mary's)	d_0cffcc	c	cid_0	bdd_0cpq
	Guernsey ...				
6	Pembroke ...	fq	cq	$cq\,d_0d_0m_0$	cbcq
7	Holyhead (Valley)	c	cbcc	c	cir_0cbc
	Chester (Sealand)	$d_0d_0mm_0$	cm_0id_0	cr_0r_0c	cbcirq
8	Manchester ...	c	om_0	id_0m_0c	prprq
10	Spurn Head ...	cbc	cr_0r_0c	cir_0bc	cpr_0bc
	Catterick ...	bcq	bcq, cp_0	cbcq	bcr_0
	Tynemouth ...	cbcc	cbcc	cq, bccmir	$cqir_0rrbcb$
11	St. Abbs Head	bccbc	$bcpr_0c$	$bcir_0bcc$	$cbcir_0b$
	Leuchars ...	cid_0	$cm_0rrd_0r_0$	$czopr_0$	$czbcm_0prbc$
12	Renfrew (Abbots I.)	cpr_0	$cprcPRc$	cpr_0	pr, psx
	Eskdalemuir ...	c	cddc	bcidc	prbbc
	Point of Ayre ...	$iridcidd_0m_0d_0dr_0d_0m_0cr_0prbc$			$cprbcpR$
13A	Tiree ...	$cr_0r_0m_0c$	$crrm_0cY$	$cr_0r_0pr_0$	cCPH
13B	Stornoway ...	cir_0c	cir		coirpr
15	Dalwhinnie ...	cbcc	cbc	$bcpr_0b$	bc
	Aberdeen ...	cr_0r_0	cir_0		bcpr
	Wick ...	$bcprc$	cbd_0rdr		cpr
16	Sumburgh ...	r	Dr	c	
17	Blacksod Point	d	r	r	pr
18	Main Head ...	$crrr_0r_0m$	cr_0r_0mcbc	ir_0circ	$irprbcbpsc$
	Aldergrove ...				
19	Birr Castle ...	c	c	•	r
20	Valentia Obsy.	pr	pr	r	pr
	Roches Point	c	c	d	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 15th February, 1943.

Districts	Forecast
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 ...	Fresh to strong and squally west to northwest wind, gale in exposed places, moderating later; squally showers of rain or hail; local thunder, considerable fair periods, especially in southeast; rather cold by day, cold by night.
10 N.E. England ♠; 11 S.E. Scotland ♠; 12 S.W. Scotland & Isle of Man ♠; 13A W. Scotland ... ♠; 13B N.W. Scotland ♠; 14 Mid Scotland; 15 N.E. Scotland ♠	Strong to gale northwesterly wind, with heavy squalls; moderating later frequent showers of rain or hail with local thunder; some sleet or snow showers in the North and West. Cold to very cold by day, cold by night.
16 Orkneys and Shetlands ♠	As 10-15.
17 N.W. Ireland ♠; 18 N.E. Ireland ♠; 19 S.E. Ireland; 20 S.W. Ireland ♠	Fresh or strong northwesterly wind, gale in exposed places, moderating later. Squally showers of rain or hail, bright intervals. Cold.

GENERAL INFERENCE

A depression centred north of Shetland is moving eastwards and a ridge of high pressure well out on the Atlantic is spreading in. A general cold showery northwestly type will prevail over the British Isles, with local hail and thunder and some sleet or snow showers in the North and West of Scotland. Winds will be generally squally and there will be severe gales locally at first in the North, but winds will gradually subside.

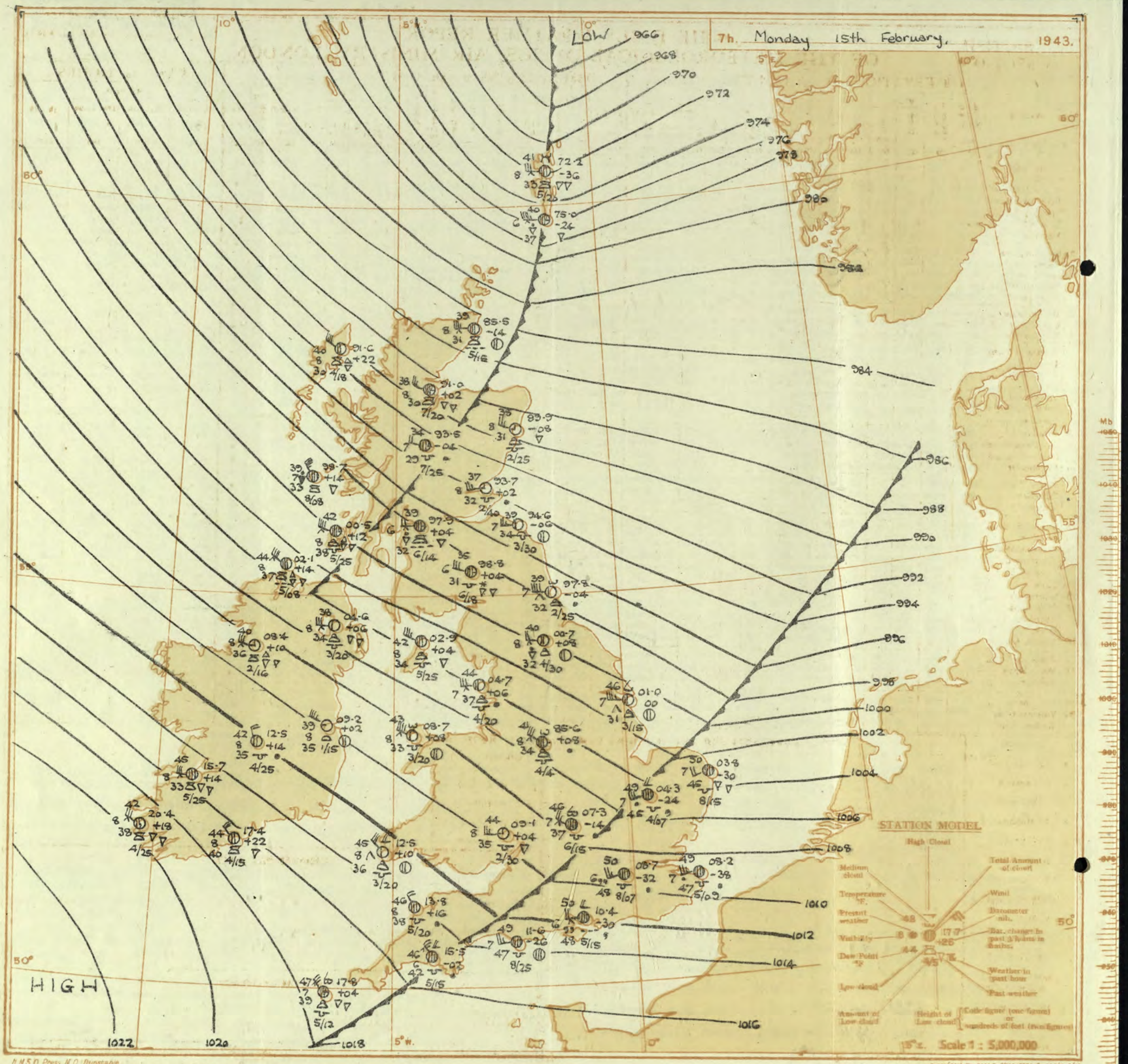
FURTHER OUTLOOK

Showery northwestly type at first, but more general rain spreading to northwest districts later. ♠ Gale warning in operation in districts 2, 6. issued at 0220h G.M.T. on 14th Feb. 1943. also in districts 7, 8, 10, 11, 12, 13A, 17 & 20. issued at 1640 G.M.T. on 13th Feb. 1943. in districts 13B, 15, 16, 18, issued at 0700 G.M.T. 13th Feb. 1943.

Forecasts issued at 10.30

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

Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, N.O.; Dunstable.

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

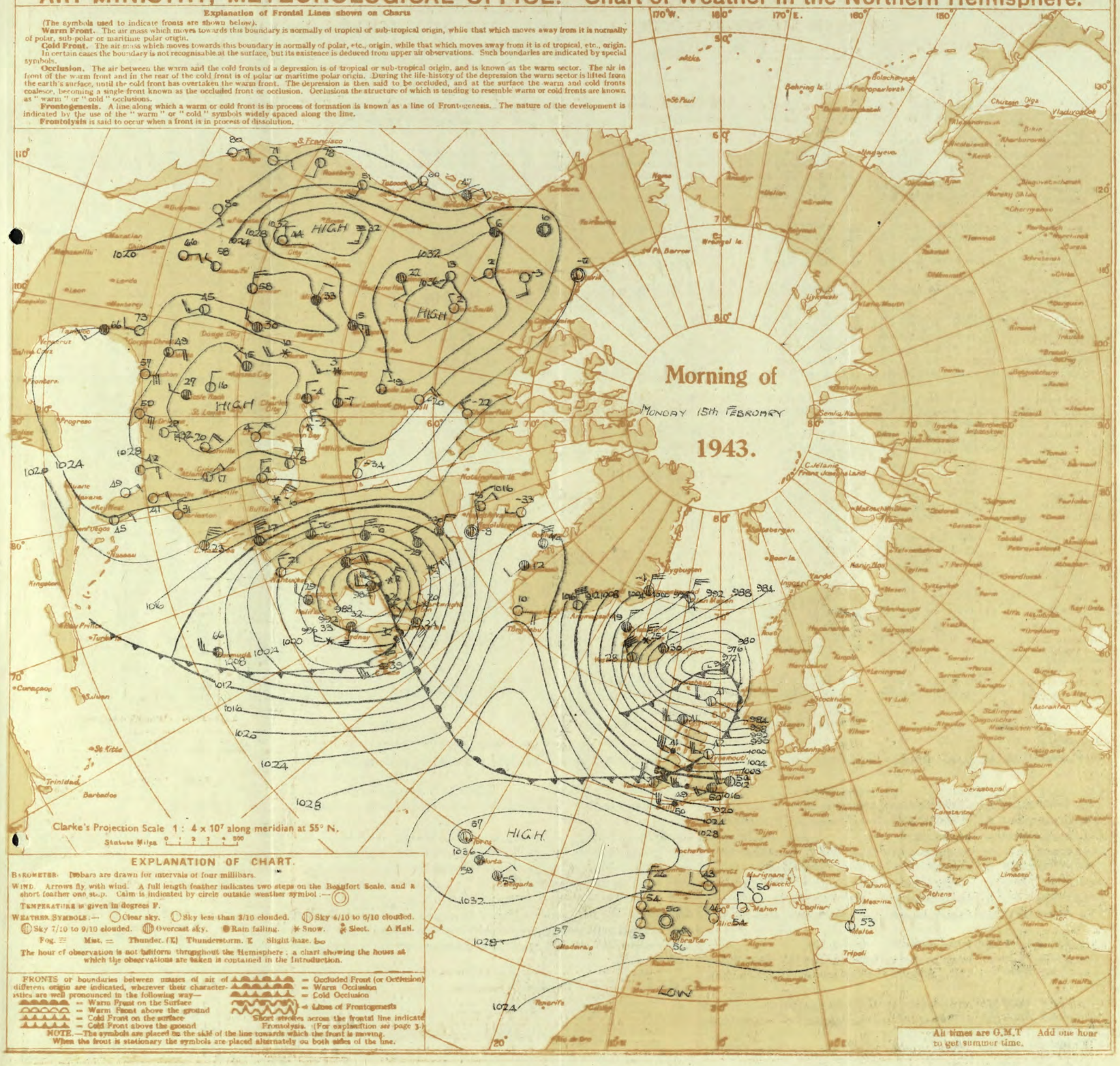
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



BRITISH SECTION

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

Monday 15th February 1943

No. 23670

OBSERVATIONS at 1 hr. G.M.T. 15th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	15·7	-28	SW'W	4	c	50	85	44	7	5	3	-	7-8	9+	2500
	S. Farnborough	226	15·1	-30	SW'W	4	c	48	85	44	8	5	7	-	7-8	9+	2200
	Boscombe Down	417	16·3	-30	SW'W	5	c	48	85	44	8	5	7	-	7-8	10	2000
	Thorney Island	10	16·9	-28	SW'W	5	z.	49	85	45	6	5	7	-	7-8	10	4000
	Lympne	283	15·7	-26	W	2	z.	48	85	44	6	5	2	-	2-3	10	600
	Manston	154	15·0	-26	SW'W	5	c	49	85	45	7	-	3	*	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14·1	-22	SW	5	z.	49	75	43	6	5	-	-	10	10	3500
	Gorleston	5	10·5	-34	WSW	4	eq	50	85	46	7	5	7	*	7-8	9+	1500
	Mildenhall	15	10·5	-34	SW	5	c	48	85	44	8	5	3	-	4-6	9+	5900
	Cranwell	203	08·1	-36	WSW	5	c	49	85	43	7	5	-	*	9	9	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·0	-34	SW'W	4	c	46	85	43	7	5	-	*	9	9	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·7	-36	WSW	6	ir.	48	97	48	6	5	-	*	10	10	800
	Bristol	209	15·3	-38	SW'W	4	c/d	48	92	46	8	5	2	-	7-8	10	3500
	Portland Bill	32	18·5	-18	WSW	4	c	49	92	47	8	5	-	-	10	10	4000
	Plymouth	82	19·3	-30	WSW	5	d.d.	49	97	49	6	5	-	*	10	10	1000
	The Lizard	240	20·2	-30	WSW	6	c	49	97	49	7	5	2	-	7-8	10	1000
	Scilly (St. Mary's)	163	19·3	-38	WSW	6	id.	50	97	49	6	5	-	*	10	10	800
	Guernsey	175															
6	Pembroke	142	13·0	-44	W'S	7	d.d.	49	97	47	5	8	2	-	9+	10	1500
7	Holyhead (Valley)	32	08·4	-36	SW'S	5	c	49	92	47	8	5	-	*	10	10	2500
	Chester (Sealand)	16	08·3	-34	W'S	3	c	51	75	45	7	5	-	-	10	10	3000
8	Manchester	235	07·8	-38	S'W	5	c	49	85	44	7	5	-	-	4-6	10	1900
10	Spurn Head	29	05·6	-40	SW	5	c-bc	48	85	44	7	2	*	-	7-8	7-8	1500
	Catterick	175	97·8	-90	W	7	c-bc/r	49	85	44	8	5	3	8	1	7-8	1400
	Tynemouth	108	98·1	-60	W	6	beq	42	75	33	7	2	3	1	2-3	4-6	2500
11	St. Abbs Head	280	94·9	-32	W	6	ir.	49	85	44	7	5	-	*	9+	9+	2500
	Leuchars	36	94·7	-18	WSW	7	c	47	65	38	8	8	-	-	9	9	3000
12	Renfrew (Abbots I.)	19	98·5	-24	WSW	4	pr	45	75	39	6	8	-	-	9+	9+	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	03·0	-28	W	6	c	49	92	47	7	9	3	*	9	10	400
13A	Tiree	44	97·4	-6	W'S	7	b-bc	40	92	37	8	3	6	*	2-3	2-3	2000
13B	Stornoway	15	90·3	-10	WSW	7	bcl	41	75	35	8	2	-	*	4-6	4-6	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	92·7	-12	W	6	b	46	65	34	9	5	4	-	Tr	1	2500
	Wick	114	88·9	-12	W	6	PR	41	85	37	7	8	-	-	7-8	7-8	1500
16	Sumburgh	19	81·5	-20	W	8	pr	44	85	39	8	8	-	-	7-8	9+	2000
17	Blacksod Point	18	10·2	+6	W	7	c	44	75	37	8	9	-	*	9	9	1500
18	Malin Head	84	01·4	-6	WNW	8	ir	41	97	40	8	9	2	*	4-6	7-8	800
	Aldergrove	268	03·8	-18	W	6	c/r	44	85	40	7	5	-	-	9+	9+	1300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·8	-6	WNW	5	c-bc/r	50	75	43	7	5	-	-	7-8	7-8	5700
	Roches Point	22	14·1	-30	W'N	4	bc	51	97	50	8	5	3	-	2-3	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 15th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
London (Kew)	07·3	-28	WSW	4	c/r	49	92	47	6	5	2	-	7-8	10	1500	1	*	55	48	44	-	0·2	1·3
Croydon	08·7	-32	SW'W	5	d.d.	50	92	48	6	5	-	-	10	10	700	1	*	54	49	45	-	0·1	1·9
S. Farnborough	08·5	-26	W'S	5	c/r	49	97	47	8	5	7	-	9+	10	800	1	*	53	44	43	Tr	0·1	0·0
Boscombe Down	10·8	-18	W	7	r.r.	48	97	45	6	5	2	-	7-8	10	1000	1	*	52	46	43	-	0·2	0·0
Thorney Island	10·4	-30	W	4	d.d.	50	92	48	6	6	2	-	7-8	10	1500	1	*	54	48	45	-	0·5	*
Lympne	08·7	-36	W'S	4	id.	48	92	46	6	5	2	-	7-8	10	500	1	§5	*	45	43	-	Tr	1·6
Manston	08·2	-38	WSW	5	ir.	49	97	46	7	5	-	-	7-8	10	900	1	*	55	47	45	-	-	3·5
Shoeburyness	07·5	-38	WSW	4	z.	50	85	46	6	5	-	-	10	10	1500	1	*	56	48	43	-	-	2·6
Felixstowe	05·7	-52	SW'W	6	z.	49	85	45	6	5	-	-	10	10	2500	0	4	56	47	44	-	-	4·3
Gorleston	03·8	-30	SW	4	c/pr	50	85	45	7	5	-	-	10	10	1500	0	4	54	48	44	-	Tr	0·1
Mildenhall	04·3	-24	WSW	6	ir.	49	85	45	7	5	2	-	4-6	10	700	0	*	56	47	41	-	Tr	0·8
Cranwell	03·8	+2	W'N	5	c-bc	45	75	38	7	5	-	-	7-8	7-8	2000	1	*	53	43	42	-	Tr	0·0
Birmingham	07·5		WNW	6	pr	44	75	37	7	8	-	-	7-8	7-8	1500	1	*	53	44	41	-	2	1·2
Upper Heyford	07·3	-14	NW'W	5	c	46	75	37	7	5	7	-	9	10	1500	1	*	56	46	42	*	0·3	*
Ross-on-Wye	09·1	+4	W	5	b	44	75	35	8	5	-	-	1	1	3000	1	*	56	43	38	-	Tr	1·3
Hartland Point	13·8	+16	NW	4	c-bc	46	75	38	8	5	-	-	7-8	7-8	2000	1	5	51	43	43	0·5	2	0·0
Bristol	11·4	0	W'N	4	c/d	45	85	42	6	5	-	-	9	9	2500	1	*	51	45	41	Tr	3	0·0
Portland Bill	11·6	-26	WSW	5	e	49	92	47	7	5	-	-	10	10	2500	1	5	50	46	*	-	-	*
Plymouth	15·5	-2	NW	5	ir.	46	85	42	6	5	2	-	7-8	10	1500	1	3	52	46	44	Tr	1	0·0
The Lizard	16·8	+2	SW'W	6	c/d	48	92	46	7	5	2	-	7-8	9+	1000	1	5	51	47	*	Tr	1	0·0
Scilly (St. Mary's)	17·8	+4	NW	6	c/pr	47	75	39	7	8	7	-	7-8	9+	1200	1	5	52	46	*	Tr	0·4	0·6
Guernsey																							
Pembroke	12·5	+10	NW	6	b-beq	45	75	36	8	8	2	-	2-3	2-3	2000	1	5	51	45		-	0·6	0·7
Holyhead (Valley)	08·7	+8	WNW	8	b-bc	43	65	33	8	5	3	-	2-3	2-3	2000	1	5	54	42	40	-	1	*
Chester (Sealand)	06·0	+6	WNW	4	bc/pr	44	65	34	7	5	4	*	4-6	4-6	2500	1	*	60	43	39	-	1	4·2
Manchester	05·8	+4	WSW	7	bc	43	75	36	7	2	6	-	2-3	4-6	2500	1	*	53	43	40	1	0·2	*
Spurn Head	01·0	0	W'N	7	beq	46	65	31	7	2	4	-	2-3	4-6	1500	0	5	52	45	*	-	-	0·0
Catterick	00·7	+8	W	4	pr	40	75	32	8	2	6	-	4-6	4-6	3000	1	*	53	40	35	Tr	0·4	1·9
Tynemouth	97·8	-4	W	8	b-beq	39	75	32	7	2	3	*	1	2-3	2500	1	4	54	39	36	Tr	0·3	*
St. Abbs Head	94·6	-6	W	5	b-bc	39	85	34	7	4	4	-	2-3	2-3	3000	1	4	*	39		-	2	
Leuchars	93·7	+2	W	5	b	37	85	32	8	5	-	-	1	1	4000	0	*	55	37	35	Tr	Tr	3·6
Renfrew (Abbots I.)	97·9	+4	W	4	PR	39	75	32	6	9	-	-	9	9	1400	2	*	51	37	35	0·4	7	0·0
Eskdalemuir	98·8	+4	WNW	6	c/ps	35	85	31	6	5	-	-	9	9	1800	4	*	50	34	32	2	6	0·1
Point of Ayre	02·9	+4	NW'W	7	c-bc	42	75	34	8	8	-	*	7-8	7-8	2500	1	5	53	42	*	0·1	1	0·2
Tiree	98·7	+14	NW	9	PR	39	85	33	7	3	-	-	10	10	800	1	7	50	35	33	1	5	0·0
Stornoway	91·6	+22	WNW	8	bc/phr	40	65	30	8	3	-	-	4-6	4-6	1800	1	5	50	36	35	4	4	0·0
Dalwhinnie	93·5	-4	WNW	4	c	34	85	29	7	5	-	*	9+	9+	2500	1	*	49	33	31	2	14	0·3
Aberdeen †	89·9	-8	WNW	5	b/pr	38	75	31	8	8	-	-	1	1	2500	1	3	56	38	32	-	Tr	2·5
Wick	85·5	-14	W	7	c-bc	39	75	31	8	9	-	-	7-8	7-8	1500	1	*	49	36	36	Tr	3	*
Sumburgh	75·0	-24	W	9	pr	40	92	37	6	9	-	-	9+	9+	1500	1	5	47	39	36	3	5	0·1
Blacksod Point																		52		*	2		*
Malin Head	02·1	+14	NW	8	c-bc/phr	44	75	37	8	9	-	-	7-8	7-8	800	2	6	50	38		0·3	3	0·0
Aldergrove	04·6	+6	W	6	b-bc/pr	38	85	34	8	8	-	*	2-3	2-3	2000	1	*	50	37	33	2	1	0·0
Birr Castle	12·5	+14	NNW	4	bc	42	75	35	8	5	-	-	4-6	4-6	2500	1	*	53	40	37	-	1	0·1
Valentia Obsy.	20·4	+18	NW'W	6	bc/pr	42	85	38	8	3	-	-	4-6	4-6	2500	1	6	(53)	42	39	Tr	1	0·1
Roches Point	17·4	+22	NW	6	bc	44	85	40	8	3	-	-	4-6	4-6	1500	1	4	55	44	*	Tr	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th Feb: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 15th Feb: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	02	64548	23468	52	62644	55767	51	01754	57716	96	27754	57885
115												
202							80	02845	21665			
20[illegible]	96	25845	37665	53	62855	54666	36	81844	55685	3-	25847	59587
210	74	02864	22566	54	22855	53466	26	81865	54788	2-	89888	61788
220	5-	52628	23428	5-	54428	23658				82	89645	59968
230	62	52625	51458	02	58528	53668	30	81765	55685	83	01854	59724
245	84	02954	22425	8-	02857	54427	23	25942	57585	44	01841	56402
260	54	02845	22527	8-	22435	53568	52	25345	51588	52	05653	53614
278	53	02846	56527	57	02844	23567	52	61745	24568	86	25746	92787
279	6-	52637	22587	53	02744	22827	3-	62637	18868	83	81746	57586
285												
288	14	01862	21414	54	61865	52517	53	02856	51528			
57[illegible]	62	54636	22468	67	22833	53468	20	25842	57582	30	27852	59682
301	51	21747	23558	6-	05644	22558	5-	62758	55528	80	01752	57664
321												
2[illegible]	24	01753	24413	83	01754	24515	5-	51758	24558	50	01753	24563
292	54	02845	24425	57	62736	24468	5-	22848	55568	30	25863	57583
310										--	01624	24514
614	5-	05655	57427	52	02746	57528	57	02765	53528	3-	05643	58724

III	13h. G.M.T. 14th Feb: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 15th Feb: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	53	02743	55527	5-	02748	21428	52	02745	53628	8-	02750	58686
334										--	25644	28585
34[illegible]	56	02845	24417				57	02855	57528	53	01843	61424
13[illegible]	57	05645	22528	57	02855	21427	5-	02858	20528	5-	61744	58668
336												
350	83	02884	57427	57	02744	55426	53	02752	55423	57	03756	25467
368	5-	57128	55458	5-	05635	*	5-	05668	57518	50	05654	59514
37[illegible]	54	02735	22426	53	22427	18849	53	02745	55526	53	21756	57667
390	5-	05657	24428	57	05543	23417	5-	05666	54526	57	67384	20458
38[illegible]	53	02854	58626	53	02734	55427	57	02747	23528	57	02745	59558
438	57	05645	24727	--	46109	24649	5-	14648	24648	--	57109	24659
430	5-	05644	22327	53	05636	24356	5-	21757	55557	5-	52648	55668
409	5-	45108	23558	5-	05608	22528	5-	62528	22558	84	22755	62666

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L, C_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th February.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	ccm$_o$	cm$_o$	cbcigc
Croydon	cm$_o$	cm$_o$	bccm$_o$
Greenwich	c	cbc	bccir
Camden Square	c	c	*
Kensington	cbcc	bcc	*
Hampstead	o	bcor	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0·3 04·15hrs 14th. Min. Time <0·1 0·0hrs 15th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	55	48	44	-	0·2	1·3	*	*
Croydon	54	49	45	-	0·1	1·9	*	*
Greenwich	55	46	41	-	0·8	0·6	74	68
Westminster	56	42	41		0·7	*	78	73
Regents Park	55	47	44	-	1·2	*	77	69
Camden Square	55	46	41	-	1·0	*	*	69
Kensington	56	46	*	-	0·8	*	87	71
Hampstead	54	41	39	-	1·1	*	*	77

BRITISH SECTION

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

SECRET

Tuesday, 16th February 1943.

No. 29671

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	10·5	+8	WNW	5	c	47	45	27	8	0	-	-	9	9	1500
	Croydon ...	11·5	+14	WNW	5	c-bc	48	55	33	7	2	-	-	7-8	7-8	3000
	S. Farnborough	11·8	+10	W'N	5	c-bc	48	55	31	8	7	3	-	7-8	7-8	2500
	Boscombe Down	13·2	+10	WNW	6	c	45	65	34	8	2	-	-	9	9	2500
	Thorney Island	12·8	+14	WNW	6	c-bc	49	55	33	7	1	-	-	7-8	7-8	2500
	Lympne ...	09·9	+18	W'N	6	bc	47	65	34	7	1	-	-	4-6	4-6	2500
	Manston ...	08·7	+6	NW'W	6	bc	47	75	39	7	5	-	-	4-6	4-6	20000
2	Shoeburyness ...	09·2	+10	W'N	4	b-bc	49	55	33	8	1	-	-	2-3	2-3	4000
	Felixstowe ...	07·0	+10	WNW	7	bc	47	85	44	7	5	-	-	4-6	4-6	4000
	Gorleston ...	04·8	+10	NW'W	6	cq	47	65	36	7	8	-	-	9+	9+	1500
	Mildenhall ...	06·6	+6	WNW	7	bc	47	55	33	8	1	-	-	4-6	4-6	2500
	Cranwell ...	06·2	+10	NW	6	bc pr	42	85	37	8	3	6	-	4-6	4-6	2500
3	Birmingham ...	09·9	+8	NW	5	bbc pr	50	85	34	8	3	-	3	2-3	2-3	2500
	Upper Heyford	10·0	+12	NW'W	6	b-bc	45	65	34	8	2	-	-	2-3	2-3	2000
4	Ross-on-Wye	12·3	+6	WNW	6	bcq	47	55	32	8	2	-	-	4-6	4-6	2500
5	Hartland Point	17·7	+18	NW	4	bc	45	65	33	8	2	6	-	4-6	4-6	1500
	Bristol ...	14·1	+6	W'N	5	c-bc	46	75	39	8	1	-	-	7-8	7-8	4000
	Portland Bill ...	14·6	+12	W	5	c	46	92	44	8	5	-	-	10	10	4000
	Plymouth ...	13·7	+6	NW	5	c-bc pr	48	65	36	8	2	-	-	7-8	7-8	2000
	The Lizard ...	20·3	+10	WNW	8	bc	48	65	38	8	8	6	-	4-6	4-6	2000
	Scilly (St. Mary's)	22·3	+14	NW	6	c-bc pr	49	75	40	7	8	6	-	7-8	7-8	1200
	Guernsey ...															
6	Pembroke ...	17·6	+32	NW	7	c-bcq	46	65	36	8	2	4	-	4-6	7-8	2500
7	Holyhead (Valley)	13·1	+30	NW	9	c phr	44	65	34	8	2	-	-	9	9	2000
	Chester (Sealand)	10·3	+30	WNW	6	c phr	44	65	34	8	8	-	-	9	9	2000
8	Manchester ...	08·4	+18	SW'W	7	bc pr	41	85	37	8	2	6	-	4-6	4-6	2500
10	Spurn Head ...	02·0	+4	NW'W	8	bcq	43	75	35	7	2	-	-	4-6	4-6	4000
	Catterick ...	03·3	+18	WNW	5	bc	43	55	30	8	3	-	-	4-6	4-6	2000
	Tynemouth ...	00·5	+32	W	6	bcq	43	65	33	7	2	4	-	2-3	4-6	2500
11	St. Abbs Head	97·1	+16	W	7	bc	40	75	34	7	1	-	-	4-6	4-6	3000
	Leuchars ...	97·4	+20	W	7	b-bc ps	40	75	32	8	2	-	-	2-3	2-3	3000
12	Renfrew (Abbots I.)	03·8	+24	WNW	6	prs	37	85	35	8	9	-	-	4-6	4-6	2000
	Eskdalemuir ...	02·3	+24	WNW	7	c-bc	37	75	29	8	8	-	-	7-8	7-8	1000
	Point of Ayre ...	08·6	+32	NW'N	8	phr	42	65	33	7	9	-	-	9	9	800
13A	Tiree ...	06·6	+38	NW	8	b-bc phr	41	55	28	8	3	6	3	1	2-3	1500
13B	Stornoway ...	99·3	+50	WNW	9	c-bc phr	41	55	28	7	3	6	-	7-8	7-8	1500
15	Dalwhinnie ...	99·0	+20	WSW	4	ps	33	85	30	6	5	-	-	10	10	2500
	Aberdeen ...	92·0	0	WNW	7	c-bc	40	65	29	8	7	-	-	7-8	7-8	3500
	Wick ...	88·5	+22	WNW	9	RR	38	92	35	7	5	-	-	10	10	1000
16	Sumburgh ...	79·7	+50	NW'N	9	c pr	44	75	37	8	2	6	3	4-6	9	2500
17	Blacksod Point	20·5	+30	NW	8	bc phr	41	85	37	8	9	-	6	2-3	4-6	2500
18	Malin Head ...	10·4	+34	NW	8	bc phr	44	65	33	7	9	-	3	2-3	4-6	1500
	Aldergrove ...	11·7	+42	NW	6	bc jp	41	75	33	8	3	-	-	4-6	4-6	1600
19	Birr Castle ...	19·0	+26	NW	5	c-bc	46	55	31	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	26·2	+24	NW	5	c-bc phr	45	85	41	8	3	-	-	7-8	7-8	2500
	Roches Point	21·4	+18	NW'N	7	bc	47	85	43	8	3	-	3	2-3	4-6	1500

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	15·0	+30	NW	4	z	42	65	28	6	8	-	-	2-3	2-3	1500	1	*
	Croydon ...	15·2	+28	WNW	4	z	48	65	33	6	3	-	2	2-3	2-3	2500	1	*
	S. Farnborough	15·8	+26	WNW	5	b	42	65	31	8	4	4	3	Tr	1	2500	1	*
	Boscombe Down	17·4	+34	NW'W	4	b-bc	41	65	30	8	2	5	-	1	2-3	3000	0	*
	Thorney Island	16·7	+36	W'N	3	b	42	65	32	9	-	4	-	0	Tr	-	1	*
	Lympne ...	13·1	+28	W'N	6	b	41	65	31	7	2	-	-	Tr	Tr	4000	1	*
	Manston ...	12·0	+30	WNW	5	b	42	75	36	7	3	6	-	Tr	1	2000	1	*
2	Shoeburyness ...	13·2	+26	WNW	3	bc pr	41	75	33	7	2	-	-	4-6	4-6	2500	1	*
	Felixstowe ...	10·3	+28	W'N	6	b-bc	42	65	32	7	5	-	-	2-3	2-3	4000	0	5
	Gorleston ...	06·4	+8	NW'W	6	bq	41	65	29	7	-	-	-	0	0	-	0	4
	Mildenhall ...	10·4	+14	W	5	b	39	75	31	8	-	6	-	0	Tr	-	0	*
	Cranwell ...	09·6	+18	W'N	5	b	40	65	30	7	1	-	-	1	1	2500	1	*
3	Birmingham ...	13·5	+14	WNW	5	bq	39	75	32	8	8	-	-	1	1	1500	1	*
	Upper Heyford	14·3	+34	NW	4	b-bc	39	65	28	8	4	6	-	1	2-3	2500	1	*
4	Ross-on-Wye	15·9	+14	W'N	5	bq	42	65	29	8	3	-	3	1	1	3000	1	*
5	Hartland Point	20·5	+14	NW	5	c	45	55	31	8	3	4	-	4-6	4-6	2000	1	5
	Bristol ...	18·6	+28	NW	5	c-bc	41	65	32	7	7	-	-	7-8	7-8	2500	1	*
	Portland Bill ...	18·5	+18	NW	5	c-bc	45	92	43	8	5	-	-	7-8	7-8	4000	1	5
	Plymouth ...	22·9	+20	NW	4	z	45	65	32	6	2	6	-	4-6	4-6	2000	1	2
	The Lizard ...	24·4	+20	WNW	7	bc	45	65	32	8	8	-	-	4-6	4-6	2000	1	3
	Scilly (St. Mary's)	25·9	+28	NW	6	c	46	75	38	7	8	6	-	7-8	9	1200	1	5
	Guernsey ...																	
6	Pembroke ...	20·8	+16	NW	7	c-bcq	45	55	31	8	2	-	-	7-8	7-8	2000	1	5
7	Holyhead (Valley)	15·9	+10	WNW	7	c-bc	40	85	37	8	3	6	-	7-8	7-8	1500	1	6
	Chester (Sealand)	13·8	+20	WNW	5	c-bc pr	42	65	33	8	2	-	-	7-8	7-8	2000	1	*
8	Manchester ...	11·6	+18	WSW	5	bc	40	75	33	7	2	-	-	4-6	4-6	2500	1	*
10	Spurn Head ...	06·0	+10	W'N	8	b-bcq	42	65	29	7	1	-	-	2-3	2-3	4000	0	5
	Catterick ...	06·4	+16	WNW	5	b-bc	40	55	26	8	2	4	-	Tr	2-3	4000	1	*
	Tynemouth ...	03·9	+24	W	8	b-bcq	39	65	26	7	2	3	-	2-3	2-3	2500	1	4
11	St. Abbs Head	00·0	+20	W	8	bc	40	65	28	7	4	6	-	4-6	4-6	3000	0	6
	Leuchars ...	01·3	+38	WNW	8	bc	37	55	24	9	2	6	-	1	4-6	3000	0	*
12	Renfrew (Abbots I.)	07·1	+24	W'N	6	bc ps	36	85	31	8	3	-	3	2-3	4-6	2000	2	*
	Eskdalemuir ...	05·6	+22	NW'W	7	b-bc	36	65	25	8	8	3	-	2-3	2-3	1700	1	*
	Point of Ayre ...	11·8	+24	NW'N	8	bcjp	38	92	35	8	9	-	-	4-6	4-6	600	1	6
13A	Tiree ...	12·0	+32	NW'W	9	phr	36	97	36	6	3	6	3	4-6	9	800	4	7
13B	Stornoway ...	06·6	+60	WNW	8	b-bc phr	36	55	24	8	3	-	-	2-3	2-3	2200	1	6
15	Dalwhinnie ...	04·0	+44	NW	3	ps	31	85	27	6	5	-	-	10	10	2500	7	*
	Aberdeen ...	97·7	+42	NW	8	c-bc	39	45	21	8	-	4	8	0	7-8	-	1	5
	Wick ...	97·3	+46	NW	8	phr	43	92	41	6	5	2	-	7-8	10	1000	1	*
16	Sumburgh ...	92·5	+66	NNW	5	pr	38	92	35	8	9	-	-	9+	9+	2000	1	5
17	Blacksod Point	24·1	+26	NW	7	c phr	44	65	33	7	9	-	-	9	9	1500	1	6
18	Malin Head ...	14·3	+28	NW'N	8	phr	40	97	39	8	9	-	-	10	10	1500	2	7
	Aldergrove ...	15·0	+16	NW	6	c-bc pr	37	85	34	8	9	-	-	7-8	7-8	1500	1	*
19	Birr Castle ...	22·0	+12	NW	4	c pr	42	75	35	8	3	-	-	2-3	2-3	1500	1	*
20	Valentia Obsy.	29·7	+28	NW'N	7	pr	46	65	35	8	3	-	-	7-8	7-8	2500	1	6
	Roches Point	26·0	+22	NNW	6	b-bc	45	85	41	8	3	-	-	2-3	2-3	1500	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 15th (39)	Weather. 13h.—18h. 15th (40)	Weather. 18h. 15th to 1h. 16th (41)	Weather. 1h.—7h. 16th (42)
1	London (Kew)	Rbccy	kqrhbbc	bczbc	c
	Croydon ...	rrkqbc	bembcm	ccprm	cmbccm
	S. Farnborough	crrcbcqcy	cbccprbcyb	bqcb, cpr	cprcbc
	Boscombe Down	crmbcc	ccprbcb	bbcprc	bccprsmbc
	Thorney Island	cmdbcy	cbcyb	bbcc	bccprb
	Lympne ...	cudRmc	bccbcb	bcid	bcbbc
	Manston ...	circbc	bc	bcprc	bcpr
2	Shoeburyness ...	cmbcy	bcycpr	bczbz	bczoz
	Felixstowe ...	cbbc	bcprbcb	bbm	bmcmb
	Gorleston ...	cprbccq	bq	bq	cpr
	Mildenhall ...	circbcy	bcycprhqb	b	cbcc
	Cranwell ...	cprbc	ccb	bprb	bpzb
3	Birmingham ...	bcprh	bcprq	bcPrsq	bc
	Upper Heyford	cbbc	bcphcy	cprps	cbcbc
4	Ross-on-Wye	bcqpc	bcqPhbq		bcqP
5	Hartland Point	cbc	cprbc	bccpr	cpr
	Bristol ...	bzbcz	cprprh	cPrq, bcpr	cprcphqb
	Portland Bill ...	cc	cc	cc	cc
	Plymouth ...	bccpr	bcprm	bcprbc	cbcprb
	The Lizard ...	bcq	crhbc	bcpr	cprq
	Scilly (St. Mary's)	cphbq	cphrq	cqc	c
	Guernsey ...				
6	Pembroke ...	bccq	prph	bccq	cbcq
7	Holyhead (Valley)	cpb	bCphr	bcphr	bbcb
	Chester (Sealand)	bcprPh	cPhpr	cprsPh	cprbc
8	Manchester ...	prprh	prhpr	pRH	bcbz
10	Spurn Head ...	bcq	bcq	bcq	bcq
	Catterick ...	cprbc	bcpmrbcy	bcbbc	by
	Tynemouth ...	bcq	bcq	bcq	bcq
11	St. Abbs Head	bc	bc	bcc	cbcb
	Leuchars ...	bcprs	bcprsbc	bc	bcbbc
12	Renfrew (Abbots I.)	cqprbcpscpzcqprsbc			bbcb
	Eskdalemuir ...	cpsbc	bcpsb	b	b
	Point of Ayre ...	cPrq	cPrhrq	Phrqb	prbcb
13A	Tiree ...	cphpphbcpsbc	bccphq	cphqbcph	cphbccpr
13B	Stornoway ...	cfhqqc	cqqphq	bcyqcph	cphpr
15	Dalwhinnie ...	cpzo	ccpso		obcprsc
	Aberdeen ...	bcprpzqbc	bccrsrscq	bqpzcrrrbcprb	
	Wick ...	crr	crrcprcph	c	bcc
16	Sumburgh ...	cprmc	cprphpr	bcpr	prprc
17	Blacksod Point	pr	pr	pr	bc
18	Malin Head ...	pr	pr	pr	pr
	Aldergrove ...	bcphrbc	bccprc	ccprc	aprcbc
19	Birr Castle ...	pr	pr		c
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	pr	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 16th February 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England South Wales	Fresh north northwest winds, moderating and backing westerly; bright intervals and a few local wintry showers at first; cloudy conditions with occasional slight rain spreading from northwest later. Rather cold, slight local frost at night, becoming milder.
7 North Wales 8 N.W. England 9 N. Midlands .. 10 N.E. England	Fresh north northwest winds, moderating temporarily, then backing west or southwest and freshening. Bright intervals and local showers at first; dull with occasional rain later; rather cold, becoming milder.
11 S.E. Scotland	As 1-6
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	As 7-8.
16 Orkneys and Shetlands	As 7-8
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate north northwest winds, backing west to southwest; fair at first, dull with occasional rain later; rather cold becoming colder.

GENERAL INFERENCE

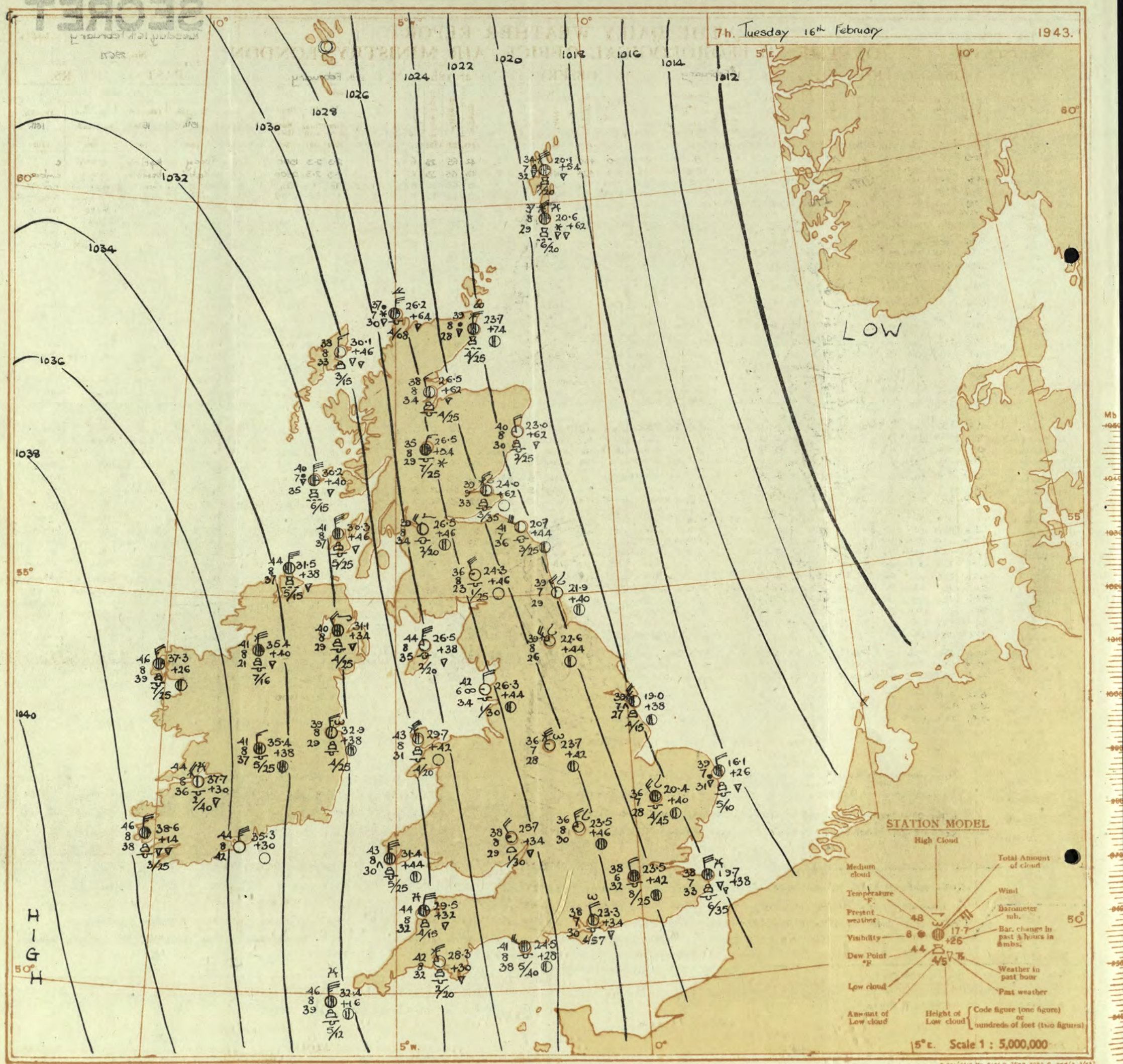
A ridge of high pressure associated with an anticyclone centred between Ireland and the Azores, will cross the British Isles and will be followed by a trough of low pressure. There will be bright intervals and local showers, but duller conditions with occasional rain will spread across from the west. It will be rather cold at first, but will become milder.

FURTHER OUTLOOK

Mild cloudy westerly type with local rain.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Tuesday, 16th February 1943

No. 29671

OBSERVATIONS at 1 hr. G.M.T. 16th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	°Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17·7	+6	WNW	5	c/pr	39	85	35	6	9	-	-	9+	9+	2500
	S. Farnborough	226	18·0	+6	NW'W	4	pr	39	85	34	8	8	7	-	4-6	9	2000
	Boscombe Down	417	19·8	+24	NW'W	4	c-bc	37	85	32	7	5	3	-	1	7-8	2500
	Thorney Island	10	18·3	+4	W'N	5	bc	40	92	39	9	5	-	-	4-6	4-6	2500
	Lympne ...	283	15·1	+2	W	5	bc	38	75	31	7	5	-	-	4-6	4-6	600
	Manston ...	154	13·9	+2	W'N	5	c	39	85	36	7	2	6	-	4-6	4-6	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·9	+10	W'N	6	z	39	75	32	6	5	-	-	Tr	Tr	4000
	Gorleston ...	5	10·5	+16	NW'W	4	bq	37	80	32	7	-	-	-	0	0	-
	Mildenhall ...	15	13·0	+12	W'N	5	b	35	85	32	7	-	3	-	0	Tr	-
	Cranwell ...	203	13·3	+22	NW	4	b	37	85	33	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·0	+12	NW	5	c/ps	34	97	32	7	5	-	-	9+	10	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·2	+10	NNW	5	c/pr b-bc/pr	44	65	34	8	3	4	-	4-6	9	1500
	Bristol ...	209	20·8	+10	NW	5		37	92	35	7	3	6	3	1	2-3	2500
	Portland Bill ...	32	21·4	+6	NW	5	c/c-bc/pr	44	92	42	8	2	7	-	7-8	10	4000
	Plymouth ...	82	25·2	+6	NW'W	6		44	65	34	8	9	6	3	7-8	7-8	2000
	The Lizard ...	240	28·6	+12	NW	7	c-bc	44	75	37	8	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	29·9	+10	NW'N	7	c-bc	45	65	34	8	8	6	-	4-6	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	24·5	+12	NNW	7	c-bcq	44	65	34	8	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	22·3	+36	NW	8	c-bc/phr	41	65	30	8	3	-	-	7-8	7-8	2000
	Chester (Sealand)	16	18·0	+32	WNW	7	pr	38	65	37	7	9	-	-	10	10	2000
8	Manchester ...	235	16·2	+16	W	5	b	37	75	31	8	4	-	-	1	1	4000
10	Spurn Head ...	29	01·4	+14	NW	7	bcq	39	65	28	7	1	3	-	2-3	4-6	4000
	Catterick ...	175	13·9	+34	NW	5	c-bc	37	65	25	8	1	3	-	2-3	7-8	3000
	Tynemouth ...	108	12·7	+40	WNW	6	bcq	37	65	24	7	2	3	-	2-3	4-6	2500
11	St. Abbs Head	280	11·1	+58	WNW	7	c	38	65	26	7	5	-	-	9+	9	2500
	Leuchars ...	36	13·7	+52	NW	4	b-bc	38	65	27	9	1	6	-	1	2-3	3300
12	Renfrew (Abbots I.)	19	16·9	+46	WNW	5	b-bc	38	63	28	8	8	-	-	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·5	+34	NW	8	b	41	75	35	8	8	*-	*-	*	*	2000
13A	Tiree	44	22·1	+44	NNW	8	psh	41	55	26	7	8	-	-	10	10	1500
13B	Stornoway ...	15	19·2	+50	NW	7	phr	37	97	37	7	3	-	-	9+	9+	1200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·2	+54	NW	6	rs	34	97	34	6	6	2	-	10	10	2000
	Wick ...	114	11·4	+52	NNW	4	c-bc	41	75	32	8	8	-	-	7-8	7-8	2100
16	Sumburgh ..	19	08·1	+66	NNW	6	pr	40	85	35	7	9	-	-	9+	9+	1100
17	Blacksod Point	18	31·2	+32	WNW	7	pr	46	75	39	7	9	-	-	10	10	2500
18	Malin Head ...	84	24·2	+42	NNW	8	c-bc/phr	43	75	36	8	9	-	-	7-8	7-8	1500
	Aldergrove ...	268	23·1	+40	WNW	5	b	39	65	29	8	8	6	-	2-3	2-3	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	36·1	+22	N'W	5	pr	45	75	38	8	8	-	-	9+	9+	2500
	Roches Point	22	29·7	+4	NNW	8	bc	43	85	39	8	5	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 16th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	°Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	23·4	+46	NNW	4	c	39	65	30	7	5	-	-	9+	9+	2500	1	*
Croydon ...	23·5	+42	NW	4	c	38	75	32	6	5	-	-	10	10	2500	1	*
S. Farnborough	23·9	+46	NW'W	4	c	38	65	29	7	5	-	-	9	9	2500	1	*
Boscombe Down	24·9	+32	NW'N	4	bc	35	85	30	7	5	3	-	2-3	4-6	5000	1	*
Thorney Island	23·3	+34	N'W	4	bc	38	78	30	7	5	3	-	4-6	4-6	5700	1	*
Lympne ...	20·3	+34	NW	6	z	36	75	30	6	5	2	-	9+	10	2000	1	§ 4
Manston ...	19·7	+38	NNW	6	c/pr	38	85	33	7	8	6	-	9	10	2500	1	*
Shoeburyness ...	21·0	+38	NNW	4	z	35	75	30	6	5	-	-	9+	9+	1500	1	*
Felixstowe ...	19·2	+34	NW'W	6	b-bc	37	65	28	7	-	3	-	0	2-3	-	0	5
Gorleston ...	16·1	+26	NNW	4	pr	39	75	31	7	8	-	-	7-8	7-8	1000	0	4
Mildenhall ...	20·4	+40	NW'W	5	c-bc	38	75	28	7	5	4	-	7-8	7-8	4000	0	*
Cranwell ...	22·0	+46	NW'N	5	b	36	75	28	7	5	4	-	Tr	Tr	4000	1	*
Birmingham ...	25·3	+40	NNW	5	z	37	75	30	6	-	-	-	0	0	-	4	*
Upper Heyford	23·5	+46	NNW	5	b	36	85	30	8	-	4	-	0	1	-	1	*
Ross-on-Wye	25·7	+34	NW	4	b	38	75	29	8	1	-	-	Tr	Tr	3000	1	*
Hartland Point	29·5	+32	N	6	c	44	65	32	8	2	6	-	4-6	9	1500	1	5
Bristol ...	26·8	+36	NW	3	c-bc	36	75	31	7	5	-	-	7-8	7-8	4000	1	*
Portland Bill ...	24·5	+28	WNW	5	c-bc	41	92	38	8	5	-	-	7-8	7-8	4000	1	5
Plymouth ...	28·3	+30	NNW	5	b	42	65	32	8	8	-	-	1	1	2000	1	2
The Lizard ...	30·4	+20	N	7	pr	43	75	33	7	8	-	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	32·4	+16	N'W	7	c-bcjp	46	75	39	8	8	6	-	7-8	7-8	1200	1	6
Guernsey ...																	
Pembroke ...	31·4	+44	N'W	7	c-bcq	43	65	30	8	8	-	-	7-8	7-8	2500	1	5
Holyhead (Valley)	29·7	+42	NW'N	7	bc	43	65	31	8	8	-	-	4-6	4-6	2000	1	6
Chester (Sealand)	25·9	+40	NNW	5	b-bc	41	75	33	8	2	6	-	2-3	2-3	2500	1	*
Manchester ...	25·8	+46	W'N	3	z	36	75	31	6	4	-	-	Tr	Tr	4000	1	*
Spurn Head ...	19·0	+38	NW'W	7	bcq	39	65	27	7	2	-	-	4-6	4-6	1500	0	5
Catterick ...	22·6	+44	WNW	5	b	39	55	26	8	-	4	-	0	1	-	0	*
Tynemouth ...	21·9	+40	NW	5	b-bc	39	65	29	7	-	4	-	0	2-3	-	1	4
St. Abbs Head	20·7	+44	WNW	6	b-bc	41	85	36	7	4	-	-	2-3	2-3	2500	0	6
Leuchars ...	24·0	+62	NNW	5	bc	39	75	33	9	8	4	-	2-3	4-6	3500	0	*
Renfrew (Abbots I.)	26·3	+46	WNW	4	b-bc	39	85	34	8	4	-	5	1	2-3	2000	2	*
Eskdalemuir ...	24·3	+46	NW	6	b	36	65	23	8	5	-	-	Tr	Tr	2500	3	*
Point of Ayre ...	26·5	+38	N	7	b	44	75	35	8	4	-	-	1	1	2000	1	6
Tiree	30·2	+40	N'W	7	pr	40	85	35	7	9	-	-	9	9	1500	1	7
Stornoway ...	30·1	+64	NNW	3	b-bc/pr	38	85	33	8	2	-	-	2-3	2-3	1500	1	3
Dalwhinnie ...	26·5	+54	NNE	3	c	35	75	29	8	5	-	-	9+	9+	2500	7	*
Aberdeen † ...	23·0	+62	NNW	4	b	40	65	30	8	8	-	-	1	1	2500	1	4
Wick ...	23·7	+74	N	5	PR	39	65	23	8	9	7	-	4-6	7-8	2500	1	*
Sumburgh ..	20·6	+62	NNW	7	c/ps	37	75	39	8	9	6	-	9	9+	2000	1	
Blacksod Point	37·3	+26	NW'N	8	c	46	75	39	8	8	-	-	9+	9+	2500	1	4
Malin Head ...	31·5	+38	N	7	c-bc	44	75	37	8	9	-	-	7-8	7-8	1500	2	7
Aldergrove ...	31·1	+34	NW	4	c-bc	40	65	29	8	8	-	3	4-6	7-8	2500	1	*
Birr Castle ...	35·4	+38	NNW	3	c-bc	41	85	37	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	38·6	+14	N'W	8	b-bc/pr	46	75	38	8	8	-	-	2-3	2-3	2500	1	5
Roches Point	35·3	+30	N	7	b	44	92	42	8	-	-	-	0	0	—	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine .15th.. Hrs. (38)
London (Kew)	49	36	31	4	-	5·3
Croydon ...	50	35	33	3	Tr	5·6
S. Farnborough	50	35	30	0·5	0·1	6·9
Boscombe Down	48	34	31	0·1	1	5·9
Thorney Island	50	31		0·1	Tr	*
Lympne ...	*	34	31	1	-	5·0
Manston ...	50	37	35	Tr	Tr	4·8
Shoeburyness ...	51	35	30	0·2	-	5·6
Felixstowe ...	50	37		0·6	-	5·9
Gorleston ...	50	37	32	1	Tr	6·7
Mildenhall ...	51	34	30	1	-	6·2
Cranwell ...	45	35	32	0·1	Tr	6·5
Birmingham ...	45	33	31	1	5	5·0
Upper Heyford	48	33	30	0·2	1	*
Ross-on-Wye	47	34	31	1	2	6·5
Hartland Point	46	41	38	Tr	0·1	4·5
Bristol ...	47	35	31	0·5	1	6·2
Portland Bill ...	50	39	*	2	-	*
Plymouth ...	49	39	37	1	1	6·2
The Lizard ...	49	40	*	0·3	1	6·6
Scilly (St. Mary's)	49	44	*	10	Tr	7·4
Guernsey ...						
Pembroke ...	47	42	*	Tr	-	5·3
Holyhead (Valley)	46	38	38	2	Tr	*
Chester (Sealand)	46	31	17	2	5	5·3
Manchester ...	43	35	30	2	1	*
Spurn Head ...	46	37	*	-	-	6·4
Catterick ...	44	36	32	Tr	-	8·5
Tynemouth ...	44	36	32	-	-	*
St. Abbs Head	41	34	*	-	-	*
Leuchars ...	42	34	33	Tr	-	7·7
Renfrew (Abbots I.)	42	34	32	4	0·2	3·9
Eskdalemuir ...	38	31	29	2	-	6·2
Point of Ayre ...	45	36	*	4	3	3·3
Tiree	43	33	32	1	1	2·9
Stornoway ...	43	33	32	2	4	0·0
Dalwhinnie ...	36	29	25	2	1	0·9
Aberdeen † ...	41	33	31	0·4	4	4·2
Wick ...	43	34	34	*	5	*
Sumburgh ..	44	33	30	3	1	1·2
Blacksod Point	45	41	*	2	0·1	*
Malin Head ...	45	36		1	1	2·3
Aldergrove ...	43	35	33	3	0·6	3·8
Birr Castle ...	47	39	36	1	0·1	5·3
Valentia Obsy.	47	43	40	1	0·3	4·1
Roches Point	48	42	*	0·6	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th February ... 18h. G.M.T.						01h. G.M.T. 16th February ... 07h. G.M.T.					
IIIC$_L$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 62	64536	59568	9-	81647	61787	8-	01754	62714	5-	25757	63787
115 37	89744	15987				87	14844	37686	52	85734	32587
203											
206 -6	85747	61788	30	25862	61782	86	81843	51584	8-	01854	28384
219 96	81754	58786	86	02764	58626	5-	22883	28563	5-	02854	28486
220 30	27754	60984	30	27755	61885				80	01745	30515
230 36	87755	59887	3-	25754	59784	91	88656	28788	97	02854	28525
245 20	26844	59684	14	01851	59613	83	02854	61515	80	25843	28383
260 8-	05654	57614	40	05642	57612	5-	01764	61514	5-	05652	24502
278 96	88836	93887	96	27845	60785	9-	01845	30785	36	25844	62685
279 3-	81847	60687	36	01842	61683	50	01862	64512	56	01853	30414
285			20	01743	28713						
288 14	01854	57614	04	01890	56613	57	01852	58515	50	11861	26501
575 30	01854	65614	9-	88748	63688	8-	02848	65587	80	02847	65597
301 30	27754	62785	20	27852	57783	86	27753	61684	50	05661	30411
321			40	01753	61613				00	00790	61510
2.0 20	01754	24514	50	01754	24614	5-	03758	24508	50	01754	28614
292 26	01963	26583	40	01852	61612	23	01863	59514	04	01890	63411
310									--	01642	26412
614 87	25744	59484	16	01753	25513	04	00790	60511	04	01790	63512

13h. G.M.T. 15th February ... 18h. G.M.T.						01h. G.M.T. 16th February ... 07h. G.M.T.					
IIIC$_L$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
333 36	27854	92583	84	25854	60614	8-	02656	59787	8-	25757	63787
334 --	27642	28576	--	27646	28587				--	27644	28385
340 2-	25854	28484	3-	25854	28484	83	27744	61486	4-	01752	63412
136 23	02755	25626	00	01790	24610	00	14890	26700	50	14754	61614
336 20	25765	28585	53	02754	28516				13	01753	28414
350 30	25853	57413	10	01751	59311	50	01754	59484	50	02745	61485
368 80	01754	61634	8-	02846	59586	83	25753	61584	50	00753	61503
379 81	27855	25585	40	00841	61581	3-	84228	59588	50	01752	62682
390 20	01755	57615	40	01663	59683	46	05662	59584	57	05656	27517
382 90	25854	60484	44	01851	27412	9-	81747	61587	46	01862	30583
438			80	01753	22413	8-	01744	28414	5-	02755	25415
430 10	01854	59614	40	01853	?2653	50	02753	28417	50	01754	63514
409 24	01754	60715	24	01753	61714	86	02755	63887	3-	88757	64887

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C$_L$, C$_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th Feb.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew ...	Rbccy	Kqrhbbc	bczbcc	Kew 24 hours ended 7h. Max. Time 0·3 17-19h on 15th Min. Time <0·1 0-6h on 16th
Croydon ...	rrkqbc	bcmbcm	cqprmbc	
Greenwich ...	bcbq	bcqrb	bcbcb	
Camden Square	b	c	*	
Kensington ...	bcpbcr	bc	*	
Hampstead ...	bcorhpl	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	49	36	31	4	-	5·3	*	*
Croydon ...	50	35	33	3	Tr	5·6	*	*
Greenwich ...	48	36	29	0·5	-	4·9	79	56
Westminster ...	50	37	32	1			77	62
Regents Park ...	49	36	33	1	-		71	67
Camden Square	49	36	30	1	-	*	*	66
Kensington ...	49	35	31	0·4	Tr		51	62
Hampstead ...	47	33	28	1	-		*	81

SECRET

Page 1 BRITISH SECTION

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

Wednesday 17th February 1943.

No. 29672

OBSERVATIONS at 13h. G.M.T. 16th December

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	28·8	+24	N	4	zo	46	55	23	6	2	-	-	9	9	2500
	Croydon	29·6	+20	NNW	4	zo	44	65	34	6	2	-	-	9+	9+	1800
	S. Farnborough	30·6	+22	NNW	4	c	45	65	32	7	7	-	-	9	9	2700
	Boscombe Down	31·5	+20	N'W	5	bc	45	65	34	8	2	-	-	4-6	4-6	2500
	Thorney Island	29·9	+26	N	5	bc	46	55	31	7	1	-	-	4-6	4-6	2500
	Lympne	27·0	+26	NNW	6	c	44	65	34	7	7	-	-	4-6	9	2000
	Manston	26·8	+26	N'W	6	bc	44	85	41	7	5	-	-	4-6	4-6	4500
2	Shoeburyness	27·7	+22	N'W	4	bc	46	65	36	7	1	7	-	4-6	4-6	4000
	Felixstowe	26·7	+34	WNW	6	bc/pr	43	75	36	7	8	3	-	2-3	4-6	4000
	Gorleston	24·4	+30	N'W	6	b-bcq	43	75	35	7	1	-	-	2-3	2-3	3500
	Mildenhall	28·6	+38	NNW	5	c-bc	45	65	35	8	2	-	-	7-8	7-8	2000
	Cranwell	29·9	+38	N'W	5	c-bc	45	65	33	7	1	-	-	7-8	7-8	3000
3	Birmingham	32·0	+30	NNW	4	zo	44	65	33	6	8	-	-	4-6	4-6	2500
	Upper Heyford	30·5	+26	N'W	5	zo	44	68	33	6	1	-	1	7-8	7-8	2800
4	Ross-on-Wye	32·7	+26	N	4	b-bc	47	55	32	8	1	-	1	2-3	2-3	3500
5	Hartland Point	35·8	+30	N	4	c/pr	45	65	35	7	8	-	-	9	9	200
	Bristol	33·1	+20	NNW	4	bc	47	55	32	7	1	-	1	4-6	4-6	2500
	Portland Bill	31·1	+22	N	5	bc	46	92	34	8	1	-	-	4-6	4-6	4000
	Plymouth	34·3	+26	N'E	5	bc	47	65	35	8	2	-	-	4-6	4-6	2000
	The Lizard	35·4	+22	N	6	bc	47	65	35	8	1	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	37·9	+20	N'W	6	c	47	65	34	7	8	6	-	7-8	9	1200
	Guernsey															
6	Pembroke	37·0	+32	N	6	c-bcq	46	65	35	8	5	-	-	7-8	7-8	3000
7	Holyhead (Valley)	35·2	+28	NNW	6	b-bc	46	75	37	8	2	-	-	2-3	2-3	2500
	Chester (Sealand)	33·9	+40	N	4	b-bc	46	65	27	8	2	-	4	2-3	2-3	2500
8	Manchester	32·4	+30	WNW	3	c-bc	46	65	37	7	2	-	-	7-8	7-8	2500
10	Spurn Head	27·9	+38	NNW	7	c-bcq	43	75	34	7	7	-	-	7-8	7-8	1500
	Catterick	31·7	+32	NNW	4	c-bc	45	55	31	7	2	-	-	7-8	7-8	3000
	Tynemouth	31·3	+44	N	6	c-bc	41	85	36	7	2	-	-	7-8	7-8	3400
11	St. Abbs Head	30·5	+32	NNW	4	c-bc	40	85	36	7	2	6	-	4-6	7-8	2500
	Leuchars	32·4	+38	N	3	c-bc	43	55	30	9	8	-	1	7-8	7-8	3000
12	Renfrew (Abbots I.)	33·4	+26	WNW	4	bc	46	65	34	9	1	-	1	4-6	4-6	2000
	Eskdalemuir	32·3	+16	N'W	5	bc	42	55	27	8	8	-	-	4-6	4-6	3600
	Point of Ayre	34·3	+26	N'W	5	b	46	75	38	8	2	-	4	1	1	2500
13A	Tiree	35·8	+14	NNW	3	c/pr	43	75	35	9	8	6	6	2-3	9	2500
13B	Stornoway	34·2	+4	NW	1	c	41	65	30	8	5	-	6	9	9+	3500
15	Dalwhinnie	33·6	+14	NNW	4	bc	36	65	25	8	8	-	-	4-6	4-6	2500
	Aberdeen	30·9	+30	NNW	5	c/jp	38	75	30	8	8	-	-	7-8	9	5000
	Wick	31·8	+30	NW	4	c	38	65	26	9	5	-	-	9+	9+	2000
16	Sumburgh	29·2	+38	NNW	5	c	34	92	33	8	8	-	-	9+	9+	2500
17	Blacksod Point	39·7	+6	NW'W	3	c	49	75	41	8	5	-	-	10	10	4000
18	Malin Head	36·4	+14	NNW	3	b-bc	45	75	38	8	8	-	3	2-3	2-3	2500
	Aldergrove	37·1	+22	NW	4	c	43	65	33	8	8	6	-	7-8	9	2200
19	Birr Castle	39·2	+12	NW	2	c-bc	47	65	36	8	5	1	8	4-6	7-8	2500
20	Valentia Obsy.	41·9	+14	NW	3	c/r	49	75	41	8	1	7	-	Tr	10	2500
	Roches Point	39·7	+2	N	4	bc	48	85	44	8	5	-	5	4-6	4-6	2800

OBSERVATIONS at 18h. G.M.T. 16th December

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	33·8	+22	NNW	3	zo	43	55	28	5	5	-	-	1	1	4000	1	•
Croydon	33·3	+22	N'W	4	zo	44	65	32	5	4	4	1	2-3	4-6	2500	1	•
S. Farnborough	34·6	+30	NW'W	3	bc	43	65	30	6	5	3	-	4-6	4-6	2500	1	•
Boscombe Down	35·5	+30	NNW	3	b-bc	41	75	35	7	1	-	1	Tr	2-3	2500	0	•
Thorney Island	34·1	+22	NNW	3	c-bc	44	55	33	6	2	-	-	7-8	7-8	4000	1	•
Lympne	31·8	+32	N'W	4	c	40	75	32	7	4	3	•	2-3	9	4500	1	§3
Manston	31·0	+34	N	6	bc	41	85	37	7	2	3	•	1	4-6	2000	1	•
Shoeburyness	32·5	+28	N'W	4	c-bc	41	75	32	8	5	7	-	4-6	7-8	2500	1	•
Felixstowe	30·8	+28	NNW	7	c/pr	41	75	33	7	5	7	•	7-8	9	1500	0	4
Gorleston	30·0	+24	N'W	5	cq	40	75	35	7			-	9	9	1800	0	5
Mildenhall	32·8	+26	NW'W	3	bc	38	85	34	8	2	-	-	1	4-6	2500	0	•
Cranwell	33·9	+26	N'W	5	c-bc	40	65	31	7	4	-	-	7-8	7-8	3000	1	•
Birmingham	34·5	+28	NW	4	zo	43	75	36	6	8	-	-	9	9	1500	1	•
Upper Heyford	34·6	+28	N'W	2	zo	40	75	33	6	4	4	5	4-6	4-6	3000	1	•
Ross-on-Wye	35·7	+20	NNW	2	b	42	75	38	8	7	-	1	Tr	1	3000	1	•
Hartland Point	37·6	+14	NNE	5	bc	44	85	38	7	4	-	-	4-6	4-6	2000	1	4
Bristol	36·6	+28	NNW	2	zo	43	65	32	6	1	-	-	2-3	2-3	4000	1	•
Portland Bill	35·4	+24	NW	4	bc	46	85	42	8	1	-	-	4-6	4-6	4000	1	4
Plymouth	38·2	+22	N'W	3	b-bc	44	75	37	7	4	4	-	2-3	2-3	2000	1	1
The Lizard	28·7	+14	N	3	c-bc	44	65	[illegible]	8	8	-	-	7-8	7-8	1500	1	3
Scilly (St. Mary's)	40·7	+20	N	5	bc	46	65	36	8	8	-	-	4-6	4-6	1200	1	4
Guernsey																	
Pembroke	39·9	+10	N	5	c-bcq	44	65	34	8	8	-	-	7-8	7-8	3000	0	4
Holyhead (Valley)	37·9	+18	NW	2	c	44	75	35	8	4	7	-	4-6	9	3000	1	4
Chester (Sealand)	36·9	+22	NW'N	3	b-bc	42	85	38	7	2	7	-	1	2-3	2500	0	•
Manchester	34·9	+14	W'N	3	zo	41	75	36	6	4	-	3	2-3	2-3	3000	0	•
Spurn Head	33·3	+20	NW'N	6	c-bc	41	75	33	7	2	4	2	4-6	7-8	2500	0	
Catterick	35·5	+18	NW	2	zo	38	75	31	6	5	6	-	2-3	4-6	3000	0	•
Tynemouth	24·8	+20	N	5	c-bc	41	65	32	7	2	4	-	4-6	7-8	2500	1	4
St. Abbs Head	34·6	+24	NNW	4	bc	40	65	31	7	4	4	-	2-3	4-6	2500	0	5
Leuchars	35·6	+10	~	0	c-bc	37	75	30	9	-	4	9	0	7-8	-	0	•
Renfrew (Abbots I.)	35·3	+10	S'W	2	c	41	65	31	7	5	7	8	Tr	9+	2000	1	•
Eskdalemuir	35·3	+10	NW'N	2	bc	34	75	27	8	5	7	-	2-3	4-6	2800	1	•
Point of Ayre	36·6	+10	N'W	5	c-bc	44	75	35	8	4	7	5	2-3	7-8	2500	1	4
Tiree	35·6	-4	SSW	2	dodo	41	85	36	7	6	2	-	2-3	10	1500	1	1
Stornoway	33·5	+4	SW	3	iro	41	85	35	8	5	7	-	Tr	10	2200	1	2
Dalwhinnie	34·8	+4	N	1	c	31	85	26	8	5	3	-	4-6	9	2500	1	
Aberdeen	33·7	+12	WNW	2	c-bc	38	65	28	6	5	3	1	7-8	7-8	3000	1	3
Wick	32·7	+6	~	0	c-bc	34	85	28	8	-	3	9	0	7-8	-	1	•
Sumburgh	31·3	+10	NW'N	3	c	34	75	28	8	5	3	-	4-6	9+	3000	1	4
Blacksod Point	37·8	-10	SW'W	3	c/d	49	97	48	7	6	-	-	10	10	1500	1	3
Malin Head	36·0	-10	SSW	2	roro	44	92	42	8	5	2	-	7-8	10	2500	2	4
Aldergrove	37·9	+6	W	2	c	43	75	34	7	5	7	-	2-3	10	2500	1	•
Birr Castle	39·6	+4	NW	1	iro	45	85	37	7	5	-	-	10	10	1500	1	•
Valentia Obsy.	41·6	-2	~	0	dodo	48	97	47	5	5	-	-	10	10	220	1	3
Roches Point	41·3	+10	NNW	3	c	48	92	46	8	5	7	-	4-6	9	1500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 15th (39)	13h.—18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.—7h. 16th (42)
London (Kew)	bczoy	bcbzoy	bcz, bz.	bccm.m*
Croydon	cbczo	czo	bcm.	bcmbm
S. Farnborough	cbcbzob	cbcyzo	bczbbccm.	cm.bccm*
Boscombe Down	bc	bcb		cm.bcm.cm.
Thorney Island	bcby	bccmoy	cm.bm.	bbcm.
Lympne	bcc	cprobc	bc	bccb
Manston	bc	bbcprs	cb	c
Shoeburyness	czbczobc	bcc Phq	cbcm.	bcm.
Felixstowe	bbcprobc	bcprbcpro	cbcc	cbbccm.
Gorleston	cbcproq	cq	cpr.q	z
Mildenhall	bc	cbc	bbcc ir.s.	bcbcc*
Cranwell	bcmobbc	bcc	cbcbm.	bm.bccm
Birmingham	bbcz	bccz	cbc	bccz
Upper Heyford	bbc	cbczocz	bcz.bm.	bmcm*
Ross-on-Wye	bbc	cybcyb	bbcc	[illegible]
Hartland Point	cbcpr	cbcbc	bcc	c
Bristol	bzobc	bcy	bzo,cz.cm.	cbczm.fg
Portland Bill	cbc	bcbc	bbc	c
Plymouth	bbc	bc	bbcz.c	cbccm.
The Lizard	cbc	cbcc	c	co
Scilly (St. Mary's)	cpoq	cbc	bcc	cir.d
Guernsey				
Pembroke	bccq	cq	c	cod.d.FF
Holyhead (Valley)	cbc	bcc	c	cr.r.
Chester (Sealand)	bccb	bbc	bccm.	m.o
Manchester	zobcmo	cbcmozo	bcmcm.	cm.
Spurn Head	cpro	proc	bc	cm.
Catterick	by bcy	bcybc	bccm.c	ccm.
Tynemouth	bcc	c	cbcc	com.
St. Abbs Head	bcc	cbc	bbcc om.	om.o
Leuchars	bcbc	cbc	bcccm.r.	cr.m.c
Renfrew (Abbots I.)	b,cbc	bcc	cm.	cm.ir.cm.d.d.
Eskdalemuir	bbc	bcybc	bccm.	ofom
Point of Ayre	b	bbcc	cid.	cid.o
Tiree	bcjpcpr	jpccirodo	d.d.cm.	cm.id.d.id.
Stornoway	c	c	cid.d.d.	cd.d.m.id.
Dalwhinnie	cpoS	cbcc		copr.c
Aberdeen	bcqprs	cprsc	ccz	cz
Wick	bcpboc	cbc	ccid.	bcc
Sumburgh	cpsobcc	cpsoc	cid.r.r.	cm.r.r.d.d.
Blacksod Point	c	d	d	d
Malin Head	c	•	r	d
Aldergrove	bcc bcc	cbcc	cid.c	cid.m.c
Birr Castle	b	r	•	r
Valentia Obsy.	r	d	d	d
Roches Point	b	c	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 17th February, 1943.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light westerly wind; fair to cloudy; slight local drizzle in West; rather cold, becoming milder.
5 S.W. England, 6 South Wales	Light to moderate northwest to west wind; cloudy, occasional drizzle; mild.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Light to moderate westerly wind, becoming fresh in places; cloudy. intermittent slight rain or drizzle, mainly in West; mild.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate to fresh westerly wind strong locally on coast and perhaps reaching gale locally later. Cloudy or dull, intermittent rain or drizzle; mild.
16 Orkneys and Shetlands, 17 N.W. Ireland	As 13A – 15.
18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light or moderate northwest to west wind. Dull with slight local rain or drizzle; mild

GENERAL INFERENCE

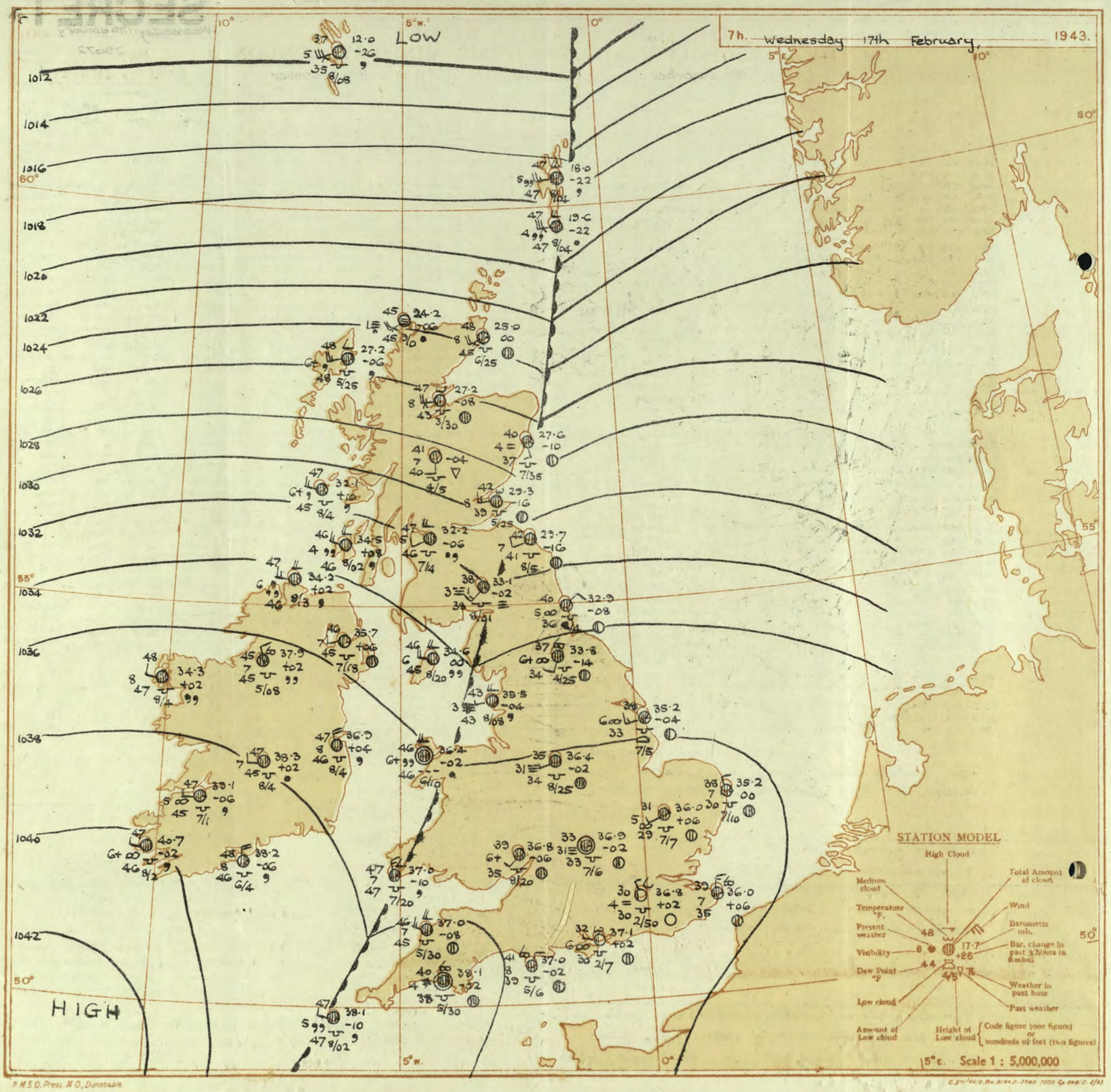
Pressure is exceptionally high to southwestward of the British Isles. A feeble trough of lower pressure is crossing Great Britain and milder westerly winds are spreading slowly in over the country. Weather will become cloudy over most of England and Southeast Scotland, with a little local drizzle. In more western and northern districts there will be much low cloud with occasional light rain or drizzle.

FURTHER OUTLOOK

Mainly mild westerly type. Rainfall amounts small except in North and Northwest.

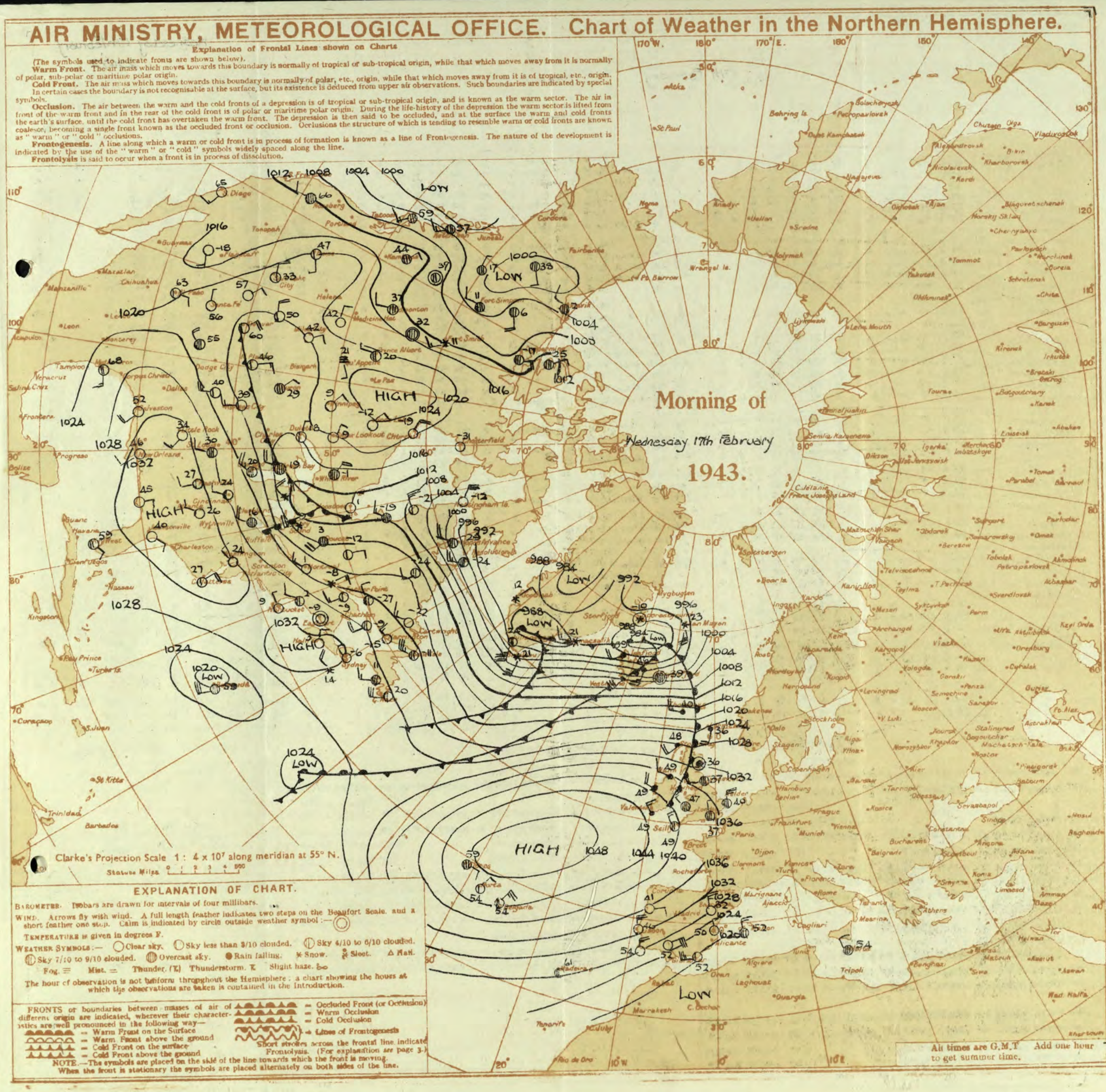
Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director,
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, N.O., Dunstable

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



Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Wednesday 17th February 1943

No. 29672

OBSERVATIONS at 1 hr. G.M.T. 17th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon ...	290	36·9	+4	N	2	2o	37	92	34	5	5	-	-	9+	9+	4000
	S. Farnborough	226	37·6	+6	NW'W	2	2o	35	85	30	5	5	3	-	2-3	9+	2500
	Boscombe Down	417	38·0	+8	NNW	1	2o	35	92	33	6	-	3	-	0	9	-
	Thorney Island	10	37·3	+6	NW	2	2o	35	92	33	6	-	4	-	0	1	-
	Lympne ..	283	35·0	+6	NNW	4	b-bc	35	85	31	7	-	4	-	0	2-3	-
	Manston ...	154	34·6	+6	N	4	c	39	85	35	7	5	-	-	9	9	4500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	34·8	+2	NNW	4	c	38	85	33	7	5	3	-	7-8	9+	3900
	Gorleston ...	5	34·0	+10	N	5	c-bcq	40	85	36	7	8	-	-	7-8	7-8	1500
	Mildenhall ...	15	35·9	+6	NW'N	3	rs	35	85	31	7	5	7	-	7-8	9	3500
	Cranwell ...	203	37·2	+6	NW	1	2o	32	92	30	6	-	-	1	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	37·2	0	N'W	1	m	33	97	32	4	-	3	-	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	38·9	-4	NNW	3	c	45	85	39	7	-	7	-	0	9+	-
	Bristol ...	209	38·6	0	WNW	2	2o	39	85	35	6	5	3	1	2-3	9+	5700
	Portland Bill ...	32	37·8	+10	NW	3	bc	42	85	37	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	39·1	-4	N'W	3	c	43	85	37	8	-	7	-	0	9+	-
	The Lizard ...	240	39·5	-4	N	2	c	43	75	37	8	5	-	-	9	10	1500
	Scilly (St. Mary's)	163	40·4	-8	NNW	3	c	47	75	40	7	5	3	-	9	9+	1200
	Guernsey ...	175															
6	Pembroke ...	142	39·1	-12	NW	3	c	47	92	45	8	5	-	-	10	10	2500
7	Holyhead (Valley)	32	37·8	-2	-	0	c	43	92	41	7	-	7	-	0	10	-
	Chester (Sealand)	16	37·1	0	W'N	1	c	42	85	38	6	5	2	-	2-3	10	3000
8	Manchester ...	235	36·6	-2	SW	1	2o	38	85	35	5	5	3	-	4-6	10	4000
10	Spurn Head ...	29	35·6	+2	NW	5	bc	37	85	32	7	7	-	-	4-6	4-6	1500
	Catterick ...	175	36·6	-4	-	0	c	35	85	32	7	-	7	-	0	9+	-
	Tynemouth ...	108	35·7	0	W	3	c-bc	37	75	29	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	33·6	-14	SW	2	o	38	75	31	6	5	-	-	10	10	2500
	Leuchars ...	36	33·1	-18	WSW	2	ir	38	85	32	6	5	2	-	4-6	10	3000
12	Renfrew (Abbots I.)	19	34·6	-10	-	0	2o	40	85	37	6	5	2	-	1	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	36·5	-4	W	2	id.	43	92	41	6	6	2	-	7-8	10	1500
13A	Tiree	44	32·6	-10	WNW	4	2o	48	97	48	6	5	-	-	10	10	1500
13B	Stornoway ...	15	28·4	-16	SW	5	d.o.d.	48	97	48	7	-	2	-	0	10	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	31·8	-18	-	0	ir	36	75	30	8	-	7	-	0	10	-
	Wick ...	114	27·9	-32	SSW	3	d.o.d.	38	92	35	6	-	2	-	0	10	-
16	Sumburgh ..	19	25·8	-34	WSW	5	r.o.r.	38	92	36	7	5	2	-	4-6	10	1800
17	Blacksod Point	18	38·9	+6	WNW	4	d.o.d.	49	97	48	7	-	2	-	10	10	1500
18	Malin Head ...	84	34·1	0	W'N	3	dd	49	97	48	6	-	2	-	10	10	800
	Aldergrove ...	268	36·6	-2	SW'W	2	c/d	43	97	42	6	-	2	-	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	41·5	+2	NW'N	3	id	49	97	48	6	5	-	-	10	10	1500
	Roches Point	22	39·7	-10	N'W	2	c-bc/d	47	97	46	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 17th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	37·4	+2	SSW	2	m	33	92	30	4	5	7	-	7-8	9	4000	1	*
Croydon ...	36·8	+2	NW	1	m	30	97	30	4	5	4	-	1	2-3	5000	1	*
S. Farnborough	37·0	-2	W'N	1	m	31	97	30	4	-	5	-	0	7-8	-	3	*
Boscombe Down	37·7	+2	-	0	2o	35	92	33	6	-	7	-	0	9	-	0	*
Thorney Island	37·1	+2	WNW	1	2o	32	92	30	6	5	3	-	4-6	4-6	5700	3	*
Lympne ..	36·3	+8	NNW	2	2o	32	97	31	6	-	7	-	0	4-6	-	0	*
Manston ...	36·0	+6	N	3	c	39	85	35	7	-	7	-	0	9	-	1	§
Shoeburyness ...	36·1	-2	NNW	2	2o	33	85	29	5	-	7	-	0	2-3	-	1	*
Felixstowe ...	35·9	+2	NW	3	2o	35	85	32	6	5	3	-	7-8	9+	4000	0	3
Gorleston ...	35·2	0	NW'W	2	c	38	75	30	7	5	-	-	9+	9+	1000	4	4
Mildenhall ...	36·0	-6	SW	1	2o	31	92	29	5	5	-	-	9+	9+	5700	0	*
Cranwell ...	35·8	-8	WSW	2	m	35	85	32	4	-	7	-	0	9+	-	1	*
Birmingham ...	36·7	-2	SSW	2	2o	37	92	35	5	-	2	-	0	10	-	1	*
Upper Heyford	36·9	-2	-	0	cf+	33	97	33	3	5	-	-	9+	9+	4000	0	*
Ross-on-Wye	36·8	-6	SW	1	o	39	85	35	6	5	-	-	10	10	2000	1	*
Hartland Point	37·0	-8	WNW	3	c	46	97	45	7	5	2	-	7-8	10	4000	1	3
Bristol ...	37·4	+2	SW'W	1	fg	41	85	35	6	5	-	-	9+	9+	4000	1	
Portland Bill ...	37·6	-2	NNE	2	c	41	92	39	8	5	7	-	7-8	10	4000	1	4
Plymouth ...	38·1	-2	-	0	m	40	92	38	4	5	7	-	7-8	9+	3000	1	1
The Lizard ...	37·6	-4	N	2	o	45	85	41	7	5	-	-	10	10	1500	0	3
Scilly (St. Mary's)	38·1	-10	WNW	2	d.o.d.	47	97	47	5	5	-	-	10	10	200	1	3
Guernsey ...																	
Pembroke ...	37·0	-10	NNW	3	c	47	97	47	7	5	1	-	9+	10	2000	1	3
Holyhead (Valley)	36·4	-2	-	0	d.o.d.	46	97	46	6	6	2	-	9	10	1000	1	2
Chester (Sealand)	35·6	-6	-	0	c	42	85	37	6	5	-	-	10	10	2000	0	*
Manchester ...	35·3	-8	S	2	m	38	97	37	4	-	2	-	10	10	2000	1	*
Spurn Head ...	35·2	-4	SW'W	3	2o	38	85	33	6	2	-	-	9+	9+	2500	0	4
Catterick ...	33·8	-14	SSW	2	2o	37	85	34	6	5	7	-	4-6	10	2500	4	*
Tynemouth ...	32·9	-8	NE	2	2o	40	85	36	5	5	-	-	10	10	1500	1	3
St. Abbs Head	29·7	-16	SW	2	o	42	97	41	7	5	-	-	10	10	2500	0	3
Leuchars ...	29·3	-16	W	3	c-bc	42	92	39	8	5	3	-	7-8	7-8	2500	1	*
Renfrew (Abbots I.)	32·2	-6	SW	2	c/d	47	97	46	5	5	2	-	9+	10	1400	1	*
Eskdalemuir ...	33·1	-2	SW	3	of-	38	97	38	3	5	-	-	10	10	100	1	*
Point of Ayre...	34·6	0	W'N	4	c/d	46	97	45	6	-	2	-	10	10	2000	1	3
Tiree	32·1	+10	W'N	3	id.	47	92	45	6	5	-	-	10	10	1500	1	2
Stornoway ...	27·2	-6	WSW	5	id.	48	97	48	6	5	1	-	7-8	9+	2500	1	3
Dalwhinnie ...		-4	S	2	bc	41	97	40	7	5	-	-	4-6	4-6	2500	4	*
Aberdeen † ...	27·6	-10	SSE	1	m	40	85	37	4	5	-	-	9+	9+	3500	1	2
Wick ...	25·0	0	SW	4	c	48	85	45	8	5	-	-	9	9	2500	1	*
Sumburgh ..	19·6	-22	W'S	6	d.o.d.	47	97	47	4	-	2	-	10	10	400	1	4
Blacksod Point	34·3	+2	W'N	2	c/d	48	97	47	8	5	-	-	10	10	1500	1	2
Malin Head ...	34·2	+2	W'N	3	dd	47	97	46	6	-	2	-	10	10	800	2	3
Aldergrove ...	35·7	+6	WSW	2	c	46	97	45	7	5	-	-	9+	9+	1800	0	*
Birr Castle ...	38·3	+2	W	2	c	47	92	45	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	40·7	-2	WNW	2	2o	47	97	46	6	5	-	-	10	10	450	1	2
Roches Point	38·2	-6	N'W	4	c	48	92	46	8	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16h. Hrs. (38)
London (Kew)	47	33	19	-	Tr	7·0
Croydon ...	45	30	23	-	-	2·6
S. Farnborough	46	29	18	-	-	6·1
Boscombe Down	46	33	28	-	Tr	8·3
Thorney Island	48	34	26	-	-	
Lympne ..	*	32	29	-	-	7·0
Manston ...	45	37	35	0·1	-	7·1
Shoeburyness ...	47	32	27	1	-	7·1
Felixstowe ...	47	35	30	0·1	-	6·7
Gorleston ...	47	37	33	Tr	1	5·2
Mildenhall ...	47	30	22	Tr	Tr	4·7
Cranwell ...	47	32	21	-	-	0·3
Birmingham ...	44	37	32	-	-	5·4
Upper Heyford	45	30	24	-	-	
Ross-on-Wye	48	38	28	-	-	8·2
Hartland Point	45	41	41	Tr	-	2·6
Bristol ...	49	36	30	-	-	7·7
Portland Bill ...	48	42		-	-	
Plymouth ...	48	39	31	-	-	5·6
The Lizard ...	48	40		Tr	-	5·0
Scilly (St. Mary's)	48	45		0·2	1	6·5
Guernsey ...						
Pembroke ...	47	41		-	1	2·9
Holyhead (Valley)	47	41	38	-	1	
Chester (Sealand)	47	41	37	Tr	-	7·3
Manchester ...	47	35	27	-	-	
Spurn Head ...	44	36		Tr	-	4·2
Catterick ...	46	34	24	-	-	7·6
Tynemouth ...	43	36	34	-	-	
St. Abbs Head	41	36		-	-	
Leuchars ...	47	36	37	-	Tr	5·6
Renfrew (Abbots I.)	46	40	39	-	Tr	6·9
Eskdalemuir ...	44	33	30	-	-	7·4
Point of Ayre...	46	42		-	0·6	7·3
Tiree	44	40	39	0·2	1	0·0
Stornoway ...	43	39	36	-	0·3	0·0
Dalwhinnie ...	37	31	25	0·5	0·3	4·1
Aberdeen † ...	40	34	27	0·2	-	1·6
Wick ...	41	33	31	Tr	Tr	
Sumburgh ..	37	43	26	0·2	1	1·4
Blacksod Point	49	47		0·2	0·5	
Malin Head ...	46	43		Tr	1	3·8
Aldergrove ...	46	41	39	-	Tr	4·0
Birr Castle ...	48	44	43	Tr	0·2	3·0
Valentia Obsy.	48	42	43	0·4	1	0·0
Roches Point	49	46		-	0·5	

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th Feb. ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	78857	28527	57	01773	24184
115	57	02844	32427	52	02854	20327
203						
206	A-	02866	28366			
210	86	02855	28427	27	02852	28226
220	53	01754	29185	52	58635	16158
230	80	01954	30314	57	02851	18227
245	24	02956	30387	84	02963	24124
260	8-	01854	28224	54	01863	30114
278	26	01853	61583	24	02853	28316
279	20	01861	29311	44	01862	28215
285	23	02855	32516	43	01853	30314
288	2-	05667	61417	84	17563	30324
575	5-	02856	28216	5-	22850	00068
301	20	05652	28404	04	05690	26416
321						
2.9	80	01754	31684	80	01863	34040
292	10	01764	32514	40	05652	28212
310	--	01624	26414	--	01424	26414
614	80	01754	02414	40	05662	30212

01h. G.M.T. 17th Feb. ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	02658	51358	02	54428	56658
52	62735	53668	--	67109	63469
			5-	03848	16558
57	02864	55667	53	01863	55524
52	22873	19368	5-	01863	20423
			52	52625	19358
62	52646	00058	62	02737	00058
5-	52658	23258	03	02890	24357
5-	05678	20228	52	05665	20328
52	52744	18188	52	02846	28356
07	02790	18228	02	05638	20458
03	17590	16228	57	02754	16328
5-	52418	28258	57	21735	30257
5-	05678	00028	02	57338	22158
5-	01753	30303	5-	05658	30128
07	05690	24118	57	08456	16128
			--	01635	20315
			57	43863	24148

13h. G.M.T. 16th Feb. ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	80	02756	63526	87	02755	28446
394	--	02645	06466			
340	80	05655	61415	14	05653	28313
136	8-	25763	30585	8-	02755	29585
336	10	01764	32414	50	01754	28314
350	10	05663	61423	50	01764	30324
368	10	01864	65514	40	00761	30212
379	5-	05635	30525	40	05854	30414
390	7-	05655	38525	40	05663	31483
382	80	05664	64414	46	05664	30423
438	70	05664	31514	87	25654	32585
430	40	01763	63663	10	01753	32413
409	57	01863	32713	57	01853	32615

01h. G.M.T. 17th. ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
32	02754	00028	02	52538	00058
			--	02645	20346
37	02751	30118	3-	03658	16138
8-	81858	28388	09	05590	24285
			53	02754	28316
			07	08490	22247
52	02754	30117	57	02653	00027
03	05590	30213	53	05547	22128
04	01790	29211	07	05590	26115
5-	05577	00007	07	05590	00025
07	05690	30116	07	05690	30123
47	02853	30125	5-	52618	32268

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of Wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th Feb.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bcz$_o$y	bcbz$_o$y	bcomx	
Croydon ...	cbcz$_o$	cz$_o$	bcmbm	
Greenwich ...	by	bcy	cbxcf	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	Kew 24 hours ended 7h. 17th 0·5
Hampstead ...	bc	bc	bc	Mid-Time 17th 0·1

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	47	43	19	-	Tr	7·0	*	*
Croydon ...	45	39	23	-	-	2·6	*	*
Greenwich ...	46	30	23	-	-	5·9	56	82
Westminster ..	50	34	28	-	-	*	60	89
Regent's Park	45	31	24	-	-	*	69	85
Camden Square	47	31	24	-	-	*	*	84
Kensington ...	43	30	22	-	-	*	62	80
Hampstead ...	45	32	25	-	-	*	*	83

SECRET

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

Thursday, 18th February 1943.

No. 29673

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	37·1	-14	W'S	1	z	43	65	30	6	-	7	-	0	10	-
	Croydon ...	37·5	-10	W	1	z	45	75	34	6	-	3	-	0	9+	-
	S. Farnborough	37·1	-18	SW'W	2	c-bc	45	56	30	7	5	7	-	4-6	7-8	5700
	Boscombe Down	37·6	-8	W'N	1	c	46	75	39	7	5	7	-	4-6	9	6000
	Thorney Island	37·3	-12	W	1	b-bc	46	55	34	7	-	3	-	0	2-3	-
	Lympne ...	37·3	-4	WNW	2	c	44	65	32	7	1	7	-	Tr	9	3500
	Manston ...	37·2	-2	NW	2 +	c	43	75	35	7	1	5	-	Tr	9	3000
2	Shoeburyness ...	37·5	-2	SSW	1	z	44	55	30	5	-	3	-	0	7-8	-
	Hunstowe ...	36·7	-4	W'N	3	m	45	65	32	7	-	3	-	0	7-8	-
	Gorleston ...	35·6	-4	WSW	2	c-bc	43	75	35	7	5	-	-	4-6	7-8	2000
	Mildenhall ...	36·8	-2	SW'W	3	z	43	68	32	6	5	-	-	4-6	10	5000
	Cranwell ...	34·9	-14	WSW	4	c/d	41	85	38	4	5	2	-	10	10	2000
3	Birmingham ...	36·5	-2	SW	3	id	41	92	39	4	5	-	-	10	10	800
	Upper Heyford	36·5	-10	WSW	3	c	44	75	36	7	-	7	-	0	9+	-
4	Ross-on-Wye	36·7	-4	SW	2	z	46	85	40	6	5	-	-	10	10	2000
5	Hartland Point	37·9	+4	WNW	3	c/f	47	97	47	7	5	2	-	7-8	10	1000
	Bristol ...	37·6	-6	WSW	2	z	46	75	40	6	5	2	-	Tr	10	4000
	Portland Bill ...	37·8	0	NE	2	c	45	92	43	8	5	-	-	10	10	4000
	Plymouth ...	38·5	-2	WNW	2	z	47	85	44	6	5	-	-	10	10	1500
	The Lizard ...	38·2	+6	SW	2	o	48	92	46	6	5	-	-	10	10	600
	Scilly (St. Mary's)	38·9	+2	N	3	c	51	92	50	8	5	-	-	10	10	1000
	Guernsey ...															
6	Pembroke ...	38·8	+2	NNW	3	c	50	92	49	8	8	-	-	9+	9+	1000
7	Holyhead (Valley)	36·6	-2	WNW	3	c	48	92	46	8	5	-	-	10	10	2000
	Chester (Sealand)	35·7	-2	WNW	3	c	50	85	46	6	5	3	-	9	9+	2000
8	Manchester ...	35·9	+2	SSE	3	df	42	97	43	2	-	-	-	10	10	<150
10	Spurn Head ...	34·8	0	WSW	4	m	42	92	39	4	5	-	-	10	10	1000
	Catterick ...	33·7	0	W	2	c-bc	55	75	45	7	5	6	-	4-6	7-8	3000
	Tynemouth ...	30·5	-20	W	4	bc	51	85	45	6	8	-	-	4-6	4-6	1500
11	St. Abbs Head	28·6	+10	W	5	bc	51	75	43	7	7	4	-	4-6	4-6	3500
	Leuchars ...	27·7	-22	SW	3	bc	54	65	43	8	8	6	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	31·5	-10	WSW	4	c/d	50	85	46	8	5	3	-	9	9+	1200
	Eskdalemuir ...	31·7	-12	WSW	4	c	48	75	41	8	8	-	-	9	9	1500
	Point of Ayre ...	34·7	-4	WNW	4	c	49	92	49	8	5	-	-	9	9	4500
13A	Tiree ...	31·7	-18	W'S	4	c/d	49	92	48	7	5	-	-	4-6	9+	700
13B	Stornoway ...	24·8	-22	WSW	7	id	49	97	48	6	5	7	-	7-8	9	1500
15	Dalwhinnie ...	27·5	-6	W	4	id	47	85	42	8	5	-	-	9+	9+	1500
	Aberdeen ...	26·6	0	W	3	b-bc	54	55	40	8	5	-	6	2-3	2-3	3500
	Wick ...	23·1	-22	SW	4	c-bc	53	65	42	8	3	-	-	7-8	7-8	3000
16	Sumburgh ...	17·0	-22	SW'W	7	c	47	92	45	7	5	3	-	7-8	9	2000
17	Blacksod Point	38·2	-6	W'N	3	dd	50	97	49	7	6	2	-	4-6	10	1500
18	Malin Head ...	33·8	-6	W'N	3	id	49	97	48	6	8	3	-	4-6	10	800
	Aldergrove ...	35·3	-20	SW'W	3	id	48	92	46	7	5	-	-	10	10	2000
19	Birr Castle ...	38·8	-2	W	2	c	49	92	47	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	41·1	-2	NW'N	3	id	50	92	48	7	5	-	-	10	10	800
	Roches Point	39·4	-4	N'W	4	c	50	92	48	8	5	-	-	9	9	1500

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

District	Stations	Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	°Humid. (22)	°Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	36·3	-2	SW'W	1	z	43	75	36	5	-	2	-	0	10	-	1	*
	Croydon ...	36·6	-2	W	2	z	43	85	40	5	5	2	-	7-8	10	2000	0	*
	S. Farnborough	36·4	+8	WSW	2	z	44	85	39	6	5	7	-	9+	10	3500	0	*
	Boscombe Down	36·7	0	SW	1	z	44	85	39	6	-	2	-	0	10	-	0	*
	Thorney Island	36·9	+2	WSW	3	z	43	65	29	6	5	-	-	10	10	4000	0	*
	Lympne ...	36·7	-2	WSW	2	z	40	75	33	6	-	7	-	0	10	-	1	2
	Manston ...	36·5	+6	SW	2	c	41	85	36	6	-	7	-	0	9+	-	1	*
2	Shoeburyness ...	36·4	+2	SW	1	z	43	75	37	5	5	-	-	10	10	4000	1	*
	Hunstowe ...	36·0	+4	W'S	3	z	43	75	35	6	5	-	-	9+	9+	2500	0	2
	Gorleston ...	35·5	0	SW	2	z	55	65	43	6	5	-	-	10	10	1500	0	2
	Mildenhall ...	34·9	+2	WSW	3	id	42	92	40	4	5	-	-	10	10	1500	0	*
	Cranwell ...	33·9	+6	WSW	3	m	45	97	44	4	5	-	-	10	10	2500	0	*
3	Birmingham ...	35·1	0	WSW	2	of+	45	85	41	2	5	-	-	10	10	800	1	*
	Upper Heyford	35·8	+2	-	0	/d	43	92	41	5	5	-	-	10	10	2800	0	*
4	Ross-on-Wye	35·7	-6	WSW	2	c	47	85	44	7	5	-	-	10	10	2500	1	*
5	Hartland Point	37·4	+2	NNW	3	c	47	97	47	7	5	2	-	9+	10	2200	1	3
	Bristol ...	36·3	-6	WSW	2	z	46	97	45	6	5	3	-	4-6	9+	2500	1	*
	Portland Bill ...	36·6	-4	W	2	c	46	92	44	8	5	-	-	10	10	4000	1	4
	Plymouth ...	37·5	-2	NW	1	m	47	92	45	4	5	-	-	10	10	1000	1	1
	The Lizard ...	37·6	0	N	3	c	49	92	47	8	5	-	-	9+	9+	1000	1	3
	Scilly (St. Mary's)	38·4	-2	N'W	3	c	49	92	48	8	5	-	-	10	10	1200	1	3
	Guernsey ...																	
6	Pembroke ...	37·8	-4	N'W	3	c	47	97	46	8	8	-	-	9+	9+	2500	0	1
7	Holyhead (Valley)	35·9	-2	W	3	c	47	92	45	8	5	-	-	9+	9+	2500	1	2
	Chester (Sealand)	34·9	-4	WNW	2	c	46	97	46	6	5	2	-	9+	10	1000	1	*
8	Manchester ...	34·6	-4	SW	2	m	46	97	45	4	5	-	-	10	10	1500	1	*
10	Spurn Head ...	33·0	0	W	4	z	46	85	42	5	7	3	-	2-3	4-6	1500	1	3
	Catterick ...	31·8	-6	WSW	2	bc	47	85	42	8	5	3	-	4-6	4-6	3000	0	*
	Tynemouth ...	30·0	-4	W	5	c-bc	49	75	43	6	8	-	-	7-8	7-8	2200	1	3
11	St. Abbs Head	26·5	-14	W	6	bc	50	85	46	7	4	4	-	4-6	4-6	3000	0	4
	Leuchars ...	26·1	-10	WSW	5	bc	50	75	42	8	3	4	8	Tr	4-6	3000	0	*
12	Renfrew (Abbots I.)	29·8	-10	WSW	4	ct	49	85	45	8	5	-	-	4-6	9+	500	1	*
	Eskdalemuir ...	31·0	-6	W'S	5	ir	47	85	43	8	5	-	-	10	10	1500	1	*
	Point of Ayre ...	33·6	-4	WNW	4	c	49	92	46	8	5	7	-	9	10	2500	1	3
13A	Tiree ...	29·9	-10	WSW	5	dd	48	92	48	4	5	-	-	10	10	400	1	4
13B	Stornoway ...	23·6	+6	WSW	7	c/d	50	92	48	7	5	-	-	9+	9+	2000	1	4
15	Dalwhinnie ...	26·5	-16	W	4	id	46	85	42	7	5	4	-	4-6	7-8	1500	1	*
	Aberdeen ...	24·1	-16	W'S	3	b-bc	51	65	39	8	-	4	1	0	2-3	-	1	2
	Wick ...	21·1	-2	SW'W	5	id	48	85	44	8	5	-	-	9+	9+	2000	1	*
16	Sumburgh ...	14·1	-14	WSW	8	c/d	47	97	47	5	5	-	-	9	10	500	1	5
17	Blacksod Point	36·9	-4	W	3	id	50	92	48	7	-	2	-	10	10	1500	1	3
18	Malin Head ...	32·6	-2	W	5	dd	49	97	48	7	5	2	-	7-8	10	800	2	3
	Aldergrove ...	34·0	-10	WSW	3	c	48	85	44	8	5	-	-	7-8	10	1200	1	*
19	Birr Castle ...	37·1	-2	W	2	c	50	85	48	8	5	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	40·4	0	NNW	2	c	49	92	47	8	5	-	-	9+	9+	1500	1	2
	Roches Point	38·8	-2	N'W	4	c	50	92	48	8	5	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 17th ... (39)	Weather. 13h.—18h. 17th ... (40)	Weather. 18h. 17th. to 1h. 18th. ... (41)	Weather. 1h.—7h. 18th ... (42)
1	London (Kew)	bcfcb,cz	cz	cz,cm	cm
	Croydon ...	cmbcmcz	czcm	oid,m	omcm
	S. Farnborough	cmxfmzbcb	bcczm	cm,d,id	zid,cm
	Boscombe Down	cm,c	cm	cm,cid,cm	cm,cid,m
	Thorney Island	cmcmb	cm	cm,cd,d	d,id,cm
	Lympne ...	bcm,xbm,c	cb,cm	om,d,d	ofd,off
	Manston ...	cbc	bcc	cir,d,m	od,d,mom
2	Shoeburyness ...	bcmcz	czyoz	oz,od,d,m	od,d,mcm
	Hunstowe ...	cmcm,c	ccycmcz	ir,id,mcf,mcm	
	Gorleston ...	bc	c,z	czid	cz,z
	Mildenhall ...	cmbccz	cozddz	omcm	cm
	Cranwell ...	cmcmd,dcm	bccm	cmbm	bnbccm
3	Birmingham ...	bomid	d,of	*	ocz
	Upper Heyford	cid,m	zidcm	cm,mcm	cm
4	Ross-on-Wye	bcom	omdc	c	c
5	Hartland Point	d,Ffec	idfec	c	c
	Bristol ...	cm	cm	cm,cmcm	cm
	Portland Bill ...	cc	cc	co	o
	Plymouth ...	cm	cd,dm	cm,id,mc	cm
	The Lizard ...	c	idifc	cideo	co
	Scilly (St. Mary's)	bdc	cd	c	c
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead (Valley)	cd,dm	c	cid	cbc
	Chester (Sealand)	od,d,m	cmid	cir	cir,d,d
8	Manchester ...	odd,off	d,dffm	cmm	cd,d,m
10	Spurn Head ...	cmsprcm	cmbcm	bcm	bcm
	Catterick ...	cidfmb	bcebc	bcc	bcc
	Tynemouth ...	bcm,bc	bcc	cbcc	cbc
11	St. Abbs Head	bcbc	bc	bbc	cbbc
	Leuchars ...	cbbc	bcbbc	bcc	cbccbcc
12	Renfrew (Abbots I.)	cm,d,dcmid	cid	cid,bc	bcqcpr,bc
	Eskdalemuir ...	ofd,prc	cir	cir,c	c
	Point of Ayre ...	bid,c	cbcc	c	cbcb
13A	Tiree ...	idccidm	id,coddm	oddcbc	bcbbcb
13B	Stornoway ...	cd,dcid	cid,dd	bccbc	bcprbc
15	Dalwhinnie ...	cid	cid	*	cidbc
	Aberdeen ...	czbcby	bcyb	bcc	cbcy
	Wick ...	c	ccid	bccpr	bcpr,jp
16	Sumburgh ...	cd,d,m,c	ddmd m	bcpr,cpprh	cprhpr
17	Blacksod Point	d	d	d	bc
18	Malin Head ...	d	d	d	bc
	Aldergrove ...	ccid	cid,c	c	cbcw
19	Birr Castle ...	d	c	*	d
20	Valentia Obsy.	d	d	d	d
	Roches Point	c	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 18th February 1943.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate to light northwest wind, fine but cloudy with local drizzle in South at first, cloudy in West later tonight; moderate visibility but some fog developing later tonight; mild by day, moderate temperature at night.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate or fresh northwest to west winds; fine today, cloudy with local rain or drizzle tomorrow; good to moderate visibility; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland ♠ 14 Mid Scotland 15 N.E. Scotland ♠	Fresh west northwest wind in South, strong to gale force in North; winds backing southwesterly; fine at first apart from scattered showers in North. Rain or drizzle in West later this evening spreading quickly east; very good visibility, moderate in rain; cold becoming milder later.
16 Orkneys and Shetlands ♠	As 11–15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 7–10

GENERAL INFERENCE

Intense anticyclone between Ireland and Azores moving northeast; depression northeast of Newfoundland moving very rapidly northeast. It will be fine apart from local drizzle in South at first, but rain will spread over Scotland and North Ireland tonight and into North England tomorrow. It will be very mild in the South, but cold in the North.

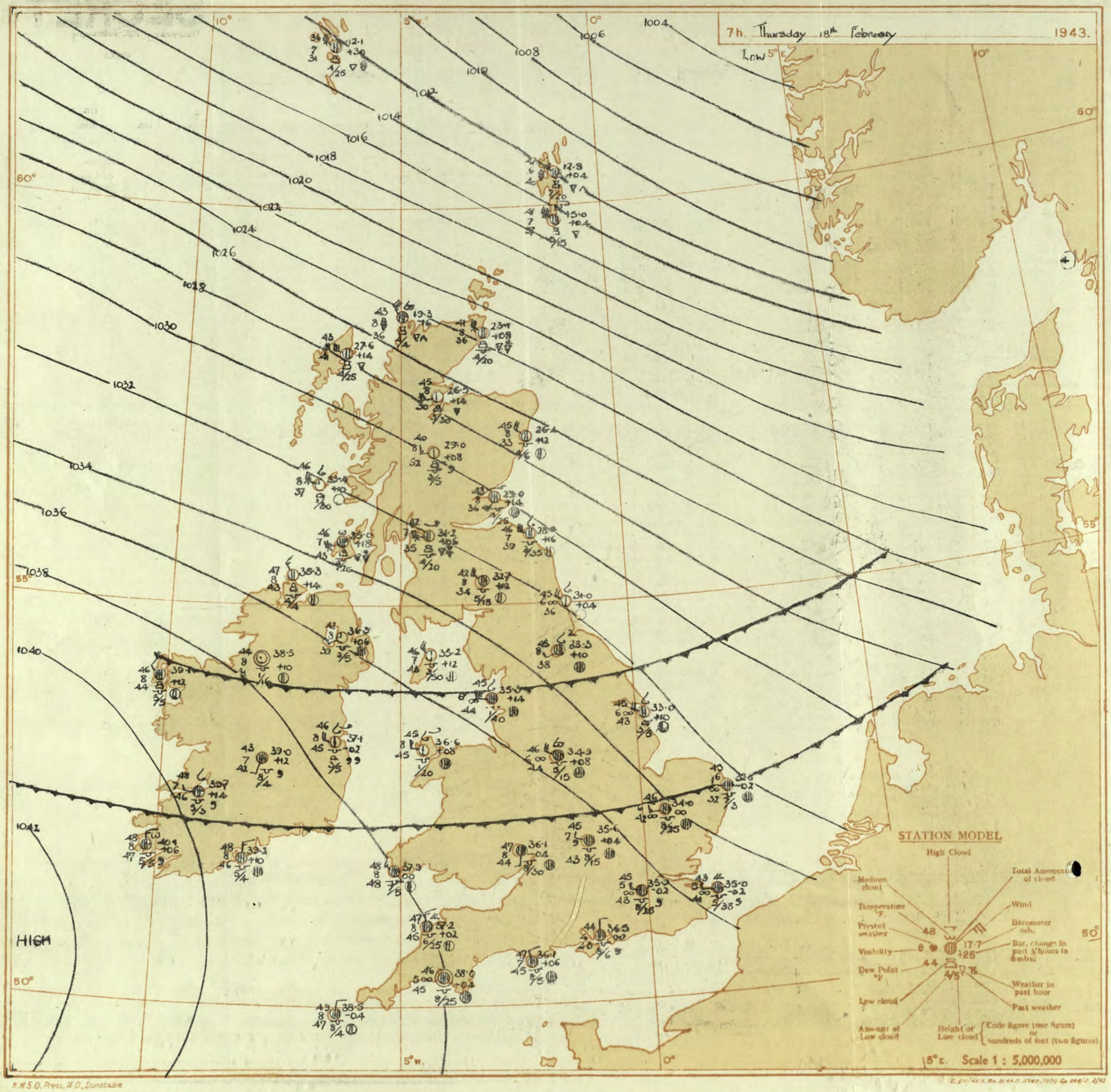
FURTHER OUTLOOK

Stormy conditions in North with some rain, quieter in South and rather cloudy.

♠ Galewarning in operation in districts 13b, 15 and 16. Time of issue 0600 18 February 1943.

Forecasts issued at 10·30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

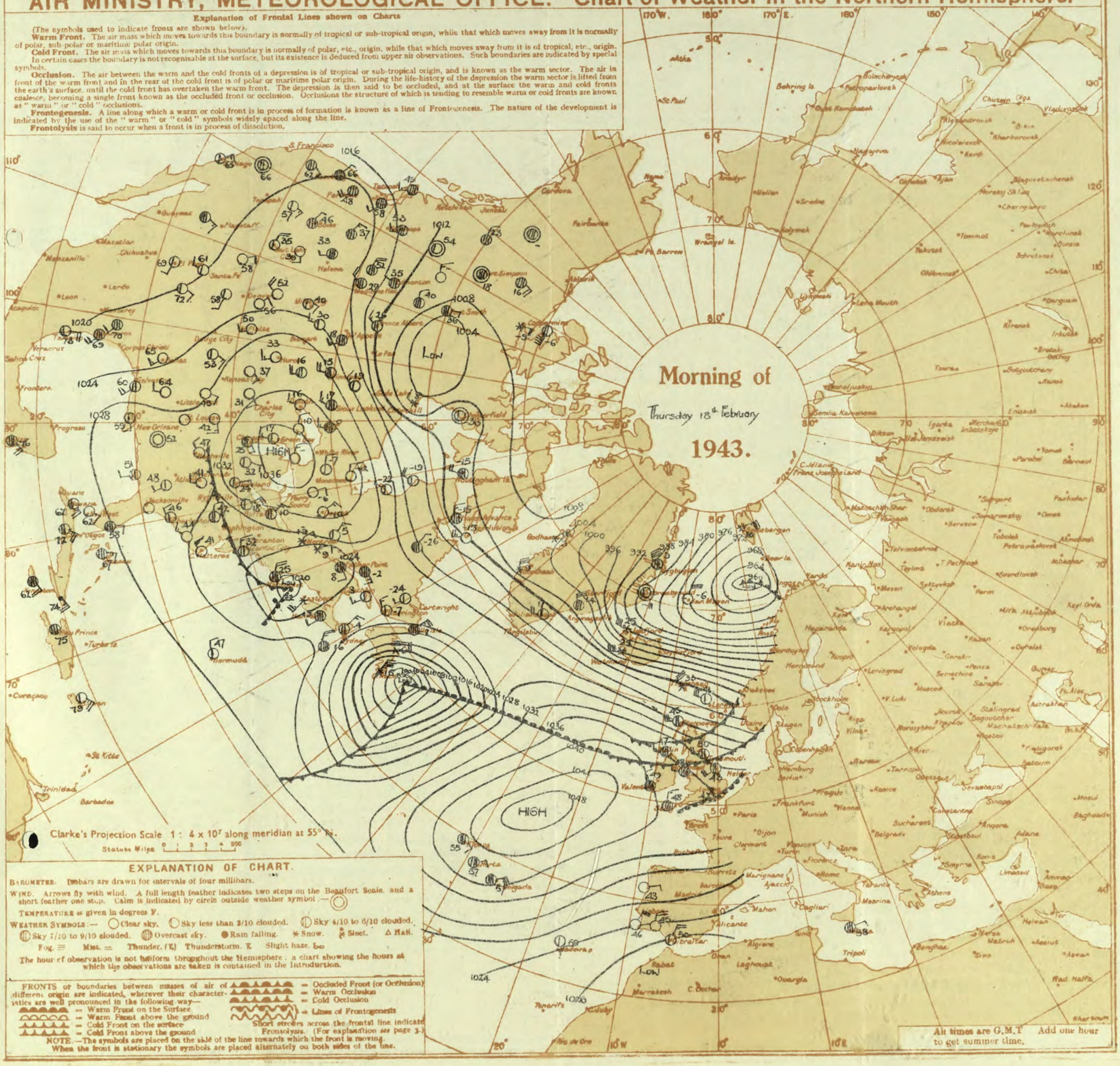
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

Page 4.

BRITISH SECTION

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

Thursday, 18th February 1943

No. 29673

OBSERVATIONS at 1 hr. G.M.T. 18th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	36·2	-4	S	2	id0	42	92	40	4	5	–	–	10	10	2300
	S. Farnborough	226	36·5	-2	WSW	1	id0	43	92	42	5	5	–	–	10	10	2600
	Boscombe Down	417	36·6	-2	—	0	z0	44	97	43	5	5	2	–	9	10	2000
	Thorney Island	10	36·8	0	SW	1	d0d0	44	92	42	6	5	–	–	10	10	500
	Lympne	283	36·5	-4	WSW	2	df	39	97	38	3	5	–	–	10	10	200
	Manston	154	36·0	-2	WSW	3	d0d0	40	97	40	4	–	2	–	10	10	400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	34·8	-10	WSW	4	m	43	92	41	4	5	–	–	10	10	2900
	Gorleston	5	33·6	-6	WSW	2	o/d	44	92	41	6	5	–	–	10	10	1500
	Mildenhall	15	34·4	-4	W'S	3	z0	44	97	43	5	5	–	–	10	10	2600
	Cranwell	203	33·6	-8	WSW	4	m	43	92	41	4	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	35·6	-6	W	1	z0	44	92	42	5	5	–	–	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	37·8	+2	NW	2	c	47	85	42	8	5	2	–	7-8	10	2500
	Bristol	209	37·2	-2	–	0	z0	45	85	41	6	5	2	–	4-6	10	4000
	Portland Bill	32	37·1	+2	W	2	o	47	92	45	7	5	–	–	10	10	2500
	Plymouth	82	38·4	+2	NW'W	2	o/d	47	86	43	7	5	–	–	10	10	2500
	The Lizard	240	38·6	0	N	2	o	46	97	46	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	39·2	+2	N	3	c	48	75	41	8	5	–	–	10	10	1200
	Guernsey	175															
6	Pembroke	142	38·3	0	NW	3	c	49	92	47	8	5	–	–	4-6	9+	2500
7	Holyhead (Valley)	32	36·4	+6	W	3	o/d	48	92	46	8	5	–	–	10	10	1500
	Chester (Sealand)	16	35·1	+6	W	3	ir0	49	85	44	7	5	–	–	10	10	1500
8	Manchester	235	34·6	+2	WSW	3	id0	47	92	45	5	5	7	–	4-6	10	1200
10	Spurn Head	29	31·6	-2	SW'W	4	z0	43	92	40	6	–	7	–	0	4-6	–
	Catterick	175	32·0	+2	SW	2	c	49	85	43	7	5	–	–	9	9	1900
	Tynemouth	108	30·4	+8	W	4	c-bc	50	65	38	6	5	–	–	7-8	7-8	2500
11	St. Abbs Head	280	26·4	-4	WNW	5	c-bc	49	85	45	7	5	–	–	7-8	7-8	4000
	Leuchars	36	27·2	+18	WNW	3	c-bc	49	75	39	8	9	–	6	1	7-8	2500
12	Renfrew (Abbots I.)	19	30·6	+12	W	4	bc	48	85	42	7	8	–	–	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	33·7	+12	WNW	5	c	49	92	47	8	5	–	–	9	9+	3000
13A	Tiree	44	32·3	+14	W'N	5	c-bc	46	92	43	8	8	–	–	7-8	7-8	2500
13B	Stornoway	15	26·4	+8	WSW	7	bc	48	75	38	8	5	–	–	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	25·9	+20	W	4	c-bc	48	65	36	9	5	3	–	1	7-8	2500
	Wick	114	21·9	+6	SW	5	c-bc/pr	48	75	38	8	8	–	–	7-8	7-8	3000
16	Sumburgh	19	15·4	+2	W	9	phr	44	85	39	8	2	6	3	7-8	9	1800
17	Blacksod Point	18	38·0	+8	W	3	b-bc	48	92	46	8	5	–	–	2-3	2-3	2500
18	Malin Head	84	33·7	+8	W	3	c-bc	47	92	46	8	5	–	–	7-8	7-8	1500
	Aldergrove	268	35·2	+12	W	2	c-bc	49	85	45	8	8	–	–	7-8	7-8	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	40·7	-2	NW'N	1	o/d	49	97	48	6	5	–	–	10	10	220
	Roches Point	22	39·9	+6	N	3	c	49	92	47	8	5	–	–	9+	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 18th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temp. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
London (Kew)	38·9	0	WSW	1	z0	44	92	42	5	5	–	–	10	10	2500	1	*	44	42	41	–	–	1·8
Croydon	35·9	-2	W	2	z0	45	85	43	5	5	–	–	10	10	2500	1	*	45	41	40	–	0·1	1·2
S. Farnborough	36·5	+2	W	1	z0	44	92	42	6	5	–	–	10	10	3000	1	*	47	43	40	–	Tr	0·8
Boscombe Down	36·8	+2	—	0	id0	44	92	42	6	5	2	–	7-8	10	3000	0	*	46	43	41	–	0·1	0·4
Thorney Island	36·5	0	N'W	1	m	44	97	43	4	5	–	–	10	10	4000	1	*	47	42		–	0·1	*
Lympne	36·0	-2	NW	2	cf	40	97	40	3	5	–	–	4-6	10	400	1	§2	*	40	37	–	Tr	6·3
Manston	35·0	-2	W'S	2	z0	43	92	41	5	5	2	–	7-8	10	3800	1	*	44	39	39	–	0·1	6·0
Shoeburyness	35·0	-4	W'N	1	m	44	92	42	4	5	–	–	10	10	1500	1	*	47	41	40	–	0·2	2·3
Felixstowe	34·3	-4	W'S	3	m	45	92	42	4	5	–	–	10	10	2900	1	3	48	41	40	-	Tr	4·4
Gorleston	32·8	-2	W'N	2	z0	45	75	42	6	5	–	–	9+	9+	800	0	2	46	41	40	-	0·6	1·2
Mildenhall	34·0	-2	W'S	3	z0	46	85	42	6	5	–	–	10	10	2500	1	*	44	41	41	1	Tr	1·2
Cranwell	33·9	+6	W	3	z0	44	97	43	6	5	3	5	Tr	2-3	3000	0	*	46	41	40	Tr	–	0·0
Birmingham	38·3	+6	WNW	3	z0	47	92	45	5	5	–	–	10	10	1500	1	*	45	45	43	Tr	–	0·0
Upper Heyford	35·6	+4	W'N	1	id0	45	92	42	7	5	–	–	10	10	1500	1	*	44	43	42	Tr	–	*
Ross-on-Wye	36·1	-4	S	1	c	47	95	44	8	5	–	–	10	10	3000	1	*	47	46	43	Tr	–	0·0
Hartland Point	37·2	+2	NNW	3	c	47	92	45	8	5	2	–	9	10	2500	1	3	47	45	45	Tr	–	0·0
Bristol	37·0	0	NNW	1	z0	45	97	44	6	5	2	–	9	10	2500	1	*	47	45	43	–	–	0·0
Portland Bill	36·1	+6	NW	2	o	47	91	45	7	5	–	–	10	10	2500	1	4	46	44	*	–	–	*
Plymouth	38·0	-4	–	0	z0	46	97	45	5	5	–	–	10	10	2500	1	1	44	44	43	Tr	Tr	0·0
The Lizard	37·7	-14	N	2	o	46	92	44	7	5	–	–	10	10	1000	1	3	49	45	*	0·2	Tr	0·0
Scilly (St. Mary's)	38·5	-4	N	2	c	49	92	47	8	5	–	–	10	10	1500	1	3	51	47	*	0·2	–	0·0
Guernsey																							
Pembroke	37·9	0	NW'W	3	c	48	97	48	8	5	–	–	9+	9+	2500	0	1	50	46		Tr	–	0·2
Holyhead (Valley)	36·6	+8	W	2	b-bc	45	92	45	8	5	4	1	Tr	2-3	2000	1	2	49	45	42	Tr	Tr	*
Chester (Sealand)	35·7	+16	W	3	c-bc	47	85	45	7	5	4	5	Tr	7-8	2500	1	*	50	47	43	0·2	Tr	0·0
Manchester	34·9	+12	W'W	3	z0	46	97	45	6	2	–	–	9+	9+	800	1	*	47	45	44	1	0·3	*
Spurn Head	33·0	+10	W'N	4	z0	45	92	43	6	1	4	–	2-3	2-3	2500	1	3	47	42	*	Tr	–	0·0
Catterick	33·3	+10	WSW	2	c-bc	45	75	38	8	–	4	5	0	7-8	–	0	*	55	45	38	Tr	–	5·0
Tynemouth	31·0	+4	WNW	4	z0	45	85	36	6	–	4	–	0	2-3	–	0	2	52	45	40	0·1	–	*
St. Abbs Head	28·9	+16	W	6	bc	46	75	39	7	5	4	–	2-3	4-6	3500	0	4	55	43	*	-	–	
Leuchars	29·0	+14	SSW	3	c-bc	43	75	36	8	5	–	8	4-6	7-8	2500	0	*	54	42	40	–	–	7·6
Renfrew (Abbots I.)	31·2	+6	W'S	5	bc/pr	47	65	35	7	8	–	2	4-6	4-6	2000	1	*	51	44	41	0·1	Tr	0·2
Eskdalemuir	32·7	+12	W'N	4	c-bc	42	75	34	8	5	–	–	7-8	7-8	1800	1	*	50	41	34	Tr	0·2	1·0
Point of Ayre	35·2	+12	NW'W	5	b-bc	46	92	43	7	5	–	–	2-3	2-3	5000	1	4	52	45	*	0·1	–	1·3
Tiree	33·4	+10	W'N	5	b	46	75	37	8	1	4	–	Tr	1	3000	1	4	50	44	41	1	Tr	0·0
Stornoway	27·6	+14	W	6	bc	43	92	41	8	3	–	–	4-6	4-6	2500	1	4	52	41		0·2	2	
Dalwhinnie	29·0	+8	W	3	b-bc	40	75	32	8	8	–	–	2-3	2-3	2500	1	*	48	39	35	0·1	0·6	0·8
Aberdeen †	26·4	+12	WNW	4	bc	45	55	33	8	5	–	–	4-6	4-6	4000	1	2	56	44	39	–	–	7·6
Wick	23·1	+8	WNW	4	bc/pr	41	85	36	8	8	–	–	4-6	4-6	2000	1	*	54	39	37	–	2	*
Sumburgh	15·0	+4	W'N	9	pr	41	85	37	7	3	6	3	7-8	7-8	1500	1	6	48	38	34	1	2	
Blacksod Point	39·1	+12	NW'W	2	c-bc	46	92	44	8	8	–	–	7-8	7-8	2500	1	2	52	44	*	0·3	0·3	
Malin Head	35·3	+14	NW	3	bc	47	85	43	8	8	3	–	4-6	4-6	1500	2	3	50	45		0·2	0·1	0·0
Aldergrove	36·3	+6	WSW	2	b	42	85	39	8	9	–	–	1	1	2500	0	*	49	41	35	Tr	–	0·0
Birr Castle	39·0	+12	SSW	1	c	43	97	42	7	5	–	–	10	10	1500	1	*	50	42	38	0·1	0·1	0·0
Valentia Obsy.	40·1	+6	N	3	c	48	97	47	8	5	3	–	7-8	9	2500	1	2	50	48	46	0·2	0·4	0·1
Roches Point	39·2	+10	N	3	c-bc	48	92	46	8	5	–	–	7-8	7-8	1500	1	3	51	48	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 17th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	53	01854	55826	02	62418	55768	8-	25755	57785	9-	25765	57785
115				--	67109	87669	57	89814	95687	37	89844	95787
203	5-	03738	16528				8-	81847	20687	00	00990	22580
206	2-	01964	57614	56	52854	57785	80	01864	59514	20	01853	22483
210	50	02963	21513				5-	02876	21516	53	25861	21482
220	52	51635	21258	30	21737	23457						
230				52	51635	51458	5-	01855	57655	5-	01862	59422
245	20	01952	24403	14	01851	23414	00	01890	22414	5-	02865	22315
260	52	08445	24326	57	08445	24328				5-	08454	20415
278				5-	02847	25357	5-	21854	26354	57	01854	25424
279	53	02853	22324	5-	05658	21368	57	51845	56457	10	01851	24451
285	5-	05528	28428	26	05624	26615				50	01853	32408
288	10	01864	21354	5-	02856	19326	5-	02858	22328	04	01890	20214
575	62	51635	28258	5-	02748	26358	5-	21748	16258	50	01841	00011
301	52	51638	28258	52	02752	23358	52	21846	24358	64	05661	24328
321	57	41464	20358	5-	08448	24128	07	45390	22143	07	05590	26214
2.9	5-	05538	20228	50	05644	22214	5-	05648	22228	10	01762	22202
292	53	05662	22325	50	01853	26313	5-	02766	24316	05	02890	24216
310				--	46109	26389						
614				52	08457	24228	00	08400	26220	53	05653	26224

III	13h. G.M.T. 17th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	21638	28258	5-	02848	00028	5-	02748	24228	54	02753	25224
334	--	02744	26115									
340	5-	52438	18158	5-	51635	22258	57	02755	24228	5-	02757	28358
136	07	05690	20317	5-	05535	22257	5-	08468	22328	5-	05566	24326
336	57	02755	28328	57	02756	28328				57	02764	28328
350	07	21690	22258	52	05547	20258	52	08456	22128	5-	05648	23228
368	5-	05618	26228	5-	21548	26228	5-	05658	24228	5-	05658	34128
379	07	05690	22325	5-	05548	22228	5-	05658	22258	5-	51748	25358
390	5-	02557	20227	5-	51458	24328	5-	51446	20258	5-	08458	2228
382	07	02790	24356	57	05657	26528	5-	05558	26128	52	21657	27158
438	40	05662	32112	5-	05657	22317	5-	05638	22328	52	04546	26218
430	03	01790	02411	5-	05568	22228	5-	51438	00028	5-	05538	28128
409	--	57309	00059	52	52616	32258	5-	02758	32258	5-	02758	31128

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bcfcb,cz0	cz0	cz0cm0
Croydon	cmbcm0cz	cz0cm0	oid0mcm0
Greenwich	bcfcm0	cz0y	cm0id0f
Camden Square	c	o	*
Kensington	bccz	bco	*
Hampstead	bc	o	o

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h: Max. 0·7, Time 9h 17th; Min. 0·1, Time 5h 18th.

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	9h % (To-day)
Kew	44	42	41	–	–	1·8	*	*
Croydon	45	41	40	–	0·1	1·2	*	*
Greenwich	44	42	40	–	Tr	0·6	58	86
Westminster	48	36	36	–			61	91
Regents Park	46	34	31	–	Tr		61	84
Camden Square	46	42	30	–	–	*	*	87
Kensington	46	42	41	–	Tr		68	94
Hampstead	43	41	38	–	–		*	91

BRITISH SECTION

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

SECRET

Friday 19th February 1943

No. 29674

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	37·8	+4	NW	2	z₀	54	65	42	6	1	–	9	2-3	9	2500
	Croydon ...	37·6	+6	WNW	2	z₀	53	65	42	6	5	4	7	4-6	9	2000
	S. Farnborough	38·1	+2	N'W	3	z₀	54	65	43	6	1	7	1	4-6	4-6	3000
	Boscombe Down	38·6	+6	NNW	3	c-bc	53	75	45	8	1	–	4	4-6	7-8	3000
	Thorney Island	37·8	+6	WSW	2	z₀	53	75	46	6	2	–	–	7-8	7-8	2500
	Lympne ...	37·5	+6	NW	1	m	51	85	46	4	5	–	–	9+	9+	3500
	Manston ...	37·1	+6	NW'N	3	z₀	50	85	45	5	5	–	–	9	9	2800
2	Shoeburyness ...	37·5	+10	SW'W	1	z₀	53	75	45	6	5	–	2	4-6	7-8	2500
	Felixstowe ...	36·5	+6	NNW	4	z₀	54	75	46	6	8	–	–	7-8	7-8	2500
	Gorleston ...	36·1	+18	N'W	4	b	51	65	40	7	1	–	–	Tr	Tr	2500
	Mildenhall ...	36·8	+14	NW'N	4	z₀	53	65	42	6	1	–	–	1	1	4000
	Cranwell ...	37·0	+12	NW	3	z₀	53	65	40	6	5	–	–	Tr	Tr	2000
3	Birmingham ...	38·4	+16	NNW	3	z₀	49	75	41	6	5	–	–	9	9	2500
	Upper Heyford	37·8	+10	N'W	4	z₀	51	75	42	6	1	–	8	Tr	4-6	1500
4	Ross-on-Wye	38·6	+14	N	2	c-bc	53	65	41	8	7	–	1	7-8	7-8	3500
5	Hartland Point	39·8	+8	N	3	bc	47	97	47	8	2	6	2	Tr	4-6	1200
	Bristol ...	39·0	+6	NW	3	b-bc	54	65	44	7	1	–	3	2-3	2-3	2500
	Portland Bill ...	38·4	+8	NW	2	c-bc	51	85	47	7	2	–	–	7-8	7-8	2500
	Plymouth ...	39·8	+2	NNW	2	c	51	85	47	8	5	–	–	9+	9+	2500
	The Lizard ...	40·0	+4	NNE	2	c/d	50	92	48	7	8	2	–	10	10	1500
	Scilly (St. Mary's)	41·0	+6	NNE	2	c	50	92	48	8	8	6	–	7-8	9+	800
	Guernsey ...															
6	Pembroke ...	41·0	+14	N'E	3	bc	52	85	46	8	2	6	–	4-6	4-6	3000
7	Holyhead (Valley)	39·9	+8	NW'N	2	b-bc	51	75	42	8	1	2	1	Tr	2-3	3000
	Chester (Sealand)	39·2	+14	NW'W	4	bc	50	75	41	7	1	–	1	1	4-6	3000
8	Manchester ...	38·1	+4	W'N	4	c-bc	49	75	43	7	2	6	1	4-6	7-8	2500
10	Spurn Head ...	36·0	0	W	3	z₀	47	75	38	6	–	3	–	0	2-3	–
	Catterick ...	35·9	-4	W	2	b	53	55	38	8	–	–	–	0	1	–
	Tynemouth ...	35·0	+6	W	4	b-bc	50	75	41	7	–	4	1	0	2-3	–
11	St. Abbs Head	32·0	0	W	5	b	48	65	36	7	5	–	7	1	1	4000
	Leuchars ...	32·3	+10	W	4	bc	51	55	33	8	1	4	8	1	4-6	4000
12	Renfrew (Abbots I.)	35·8	+18	W	4	c-bc	49	65	38	8	8	–	6	4-6	7-8	2500
	Eskdalemuir ...	35·4	+4	W	4	bc	48	55	35	8	7	–	1	4-6	4-6	2900
	Point of Ayre ...	38·7	+12	NW'W	4	b-bc	50	75	42	7	–	–	5	0	2-3	–
13A	Tiree ...	36·1	+8	WNW	5	c	48	65	37	8	–	3	–	0	9	–
13B	Stornoway ...	31·4	+10	W	6	c	46	75	37	8	4	3	–	1	9+	2000
15	Dalwhinnie ...	33·0	+20	W	4	bc	44	55	30	8	8	–	1	2-3	4-6	4000
	Aberdeen ...	30·5	+14	NW'W	4	b-bc	49	45	31	8	7	–	5	2-3	2-3	3500
	Wick ...	27·1	+12	WNW	7	pr	42	85	39	8	8	–	–	9	9	2000
16	Sumburgh ...	20·4	+22	W'N	9	c-bc/pr	44	65	34	8	2	6	–	4-6	7-8	2000
17	Blacksod Point	40·9	+2	SW	1	c	50	75	43	7	5	–	–	9+	9+	2500
18	Malin Head ...	37·5	+6	NW	3	c-bc	49	85	43	8	5	–	–	7-8	7-8	2500
	Aldergrove ...	39·2	+10	WSW	3	bc	51	65	40	7	7	–	1	4-6	4-6	3000
19	Birr Castle ...	41·2	+6	N	1	c-bc	53	75	46	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	41·3	-6	N'W	2	c	51	85	47	8	1	–	3	Tr	9	2500
	Roches Point	41·5	+4	S	1	bc	53	85	49	8	5	–	5	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 18th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	39·3	+12	NW'N	1	m	50	75	41	4	–	–	1	0	1	–	1	*
	Croydon ...	38·9	+10	–	0	bf+	46	92	44	2	–	–	–	0	0	–	1	*
	S. Farnborough	39·4	+14	NW'W	1	z₀	47	75	40	6	–	4	4	0	2-3	–	0	*
	Boscombe Down	39·3	+6	NE'N	1	fg	49	75	40	7	–	4	2	0	2-3	–	0	*
	Thorney Island	38·9	+14	N'W	1	z₀	48	75	41	6	5	4	–	1	2-3	4000	0	*
	Lympne ...	39·6	+18	N'E	1	z₀	45	85	42	6	–	7	–	0	9+	–	1	*
	Manston ...	39·3	+22	E'N	1	z₀	45	92	43	5	5	–	–	7-8	7-8	5700	1	*
2	Shoeburyness ...	39·0	+14	N'W	1	z₀	46	85	41	5	5	–	–	4-6	4-6	4000	1	*
	Felixstowe ...	38·6	+14	SE'S	3	z₀	44	85	40	6	–	4	–	0	2-3	–	0	2
	Gorleston ...	38·5	+16	NNW	1	z₀	47	75	38	5	–	–	8	0	10	–	0	2
	Mildenhall ...	38·5	+12	–	0	z₀	45	75	37	6	–	–	–	0	0	–	0	*
	Cranwell ...	38·3	+14	W	3	z₀	45	85	41	5	–	–	–	0	0	–	0	*
3	Birmingham ...	39·7	+4	NW	3	z₀	46	75	39	5	–	–	1	0	1	–	1	*
	Upper Heyford	39·1	+14	–	0	z₀	45	85	39	5	–	–	3	0	2-3	–	0	*
4	Ross-on-Wye	38·9	+4	NNE	1	b	48	75	40	8	–	–	1	0	1	–	1	*
5	Hartland Point	39·7	+2	NNE	2	bc	47	85	43	8	2	4	6	Tr	4-6	2000	0	2
	Bristol ...	39·6	+8	–	0	m	48	75	41	4	–	–	2	0	4-6	–	1	*
	Portland Bill ...	38·3	+2	WNW	2	c-bc	52	85	48	7	5	–	–	7-8	7-8	4000	1	3
	Plymouth ...	39·7	+2	N	1	c-bc	49	85	44	5	5	–	–	Tr	7-8	2500	1	1
	The Lizard ...	39·4	0	NNE	1	bc	49	92	47	8	8	4	–	4-6	4-6	2000	0	4
	Scilly (St. Mary's)	40·2	-4	NNE	2	c	49	92	47	8	8	6	–	7-8	9+	1000	1	3
	Guernsey ...																	
6	Pembroke ...	40·6	+4	NNE	3	bc	45	97	44	8	–	7	4	0	4-6	–	0	1
7	Holyhead (Valley)	40·2	+4	–	0	z₀	43	92	41	6	–	–	1	0	2-3	–	1	2
	Chester (Sealand)	39·6	+8	NW'N	1	b	44	85	41	6	4	–	1	Tr	1	3500	0	*
8	Manchester ...	39·3	+8	WSW	2	z₀	44	85	40	6	–	–	1	0	2-3	–	1	*
10	Spurn Head ...	36·5	0	W'N	3	z₀	47	75	39	6	–	–	–	0	0	–	0	3
	Catterick ...	36·8	+8	W'N	3	b-bc	45	75	39	7	–	4	9	0	2-3	–	0	*
	Tynemouth ...	34·9	+4	NW	3	b-bc	48	65	38	6	–	4	1	0	2-3	–	1	2
11	St. Abbs Head	31·3	+12	W	5	bc	47	65	37	7	5	4	–	4-6	4-6	3000	0	5
	Leuchars ...	32·2	+8	WSW	4	b-bc	46	75	37	7	5	–	1	2-3	2-3	6000	0	*
12	Renfrew (Abbots I.)	36·2	+2	WSW	4	c-bc	45	65	35	7	4	6	5	2-3	7-8	2000	1	*
	Eskdalemuir ...	36·2	+4	–	0	bc	43	65	34	8	5	4	–	2-3	4-6	2800	1	*
	Point of Ayre ...	38·7	+2	WNW	3	b	44	85	41	8	–	4	–	0	1	–	0	2
13A	Tiree ...	36·2	+4	WSW	4	c	47	85	41	7	5	–	5	9	9+	2500	1	3
13B	Stornoway ...	30·8	-6	SW	5	c	45	85	42	7	5	7	–	9+	10	3500	1	3
15	Dalwhinnie ...	32·0	+10	W	3	c-bc	40	75	32	8	5	1	–	4-6	7-8	2500	0	*
	Aberdeen ...	32·1	+6	W'N	2	c-bc	46	55	32	7	–	3	8	0	7-8	–	1	2
	Wick ...	29·5	+14	W	4	c	42	75	36	8	8	3	7	1	9	2500	1	*
16	Sumburgh ...	22·1	+2	NW'W	7	c-bc	45	65	35	7	5	3	–	7-8	7-8	2000	1	6
17	Blacksod Point	39·3	-6	S	1	b	47	97	47	7	8	–	–	Tr	Tr	2500	1	2
18	Malin Head ...	37·4	+2	SW	4	c	47	85	43	7	5	–	–	9	9	2500	2	4
	Aldergrove ...	38·8	0	WSW	1	bc	45	95	38	7	5	–	–	4-6	4-6	3000	0	*
19	Birr Castle ...	40·3	-2	WSW	1	bc	47	85	43	8	–	–	5	0	4-6	–	1	*
20	Valentia Obsy.	40·6	0	SSE	3	bc	48	85		9	5	–	2	1	4-6	2500	1	2
	Roches Point	40·8	-2	S	1	bc	49	92	47	8	5	–	5	1	4-6	2500	1	2

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 18th (39)	Weather 13h.—18h. 18th (40)	Weather 18h. 18th to 1h. 19th (41)	Weather 1h.—7h. 19th (42)
1	London (Kew)	cmomczo	zybzw	bz ffw	ofFx
	Croydon ...	domem₀	bczobcf	bf	bfbfx
	S. Farnborough	cidobemoz	bezobebez	bczmbmxf	bf Ffx
	Boscombe Down	c	bcb	bbm₀	bm₀fx
	Thorney Island	cm₀	czobez₀	bczmbm₀	bm₀bcmbm
	Lympne ...	cmodobecmcbcemo		bcmbm₀	bm₀wofc
	Manston ...	emem₀	bcm₀	bcm₀	bcm₀w
2	Shoeburyness ...	cmoidobez₀	czobez₀	bcm₀	bcm₀mx
	Felixstowe ...	cmidoz₀	bcozbm₀	bm₀w	bmwbmx
	Gorleston ...	bzob	bz₀	bz	bz₀
	Mildenhall ...	bmobz₀	bz₀	bzobm	bmm₀x
	Cranwell ...	cbm₀	bm₀	bm	bm
3	Birmingham ...	cbecz	cbz	bc	bc
	Upper Heyford	idocbem₀	bcbm₀	bm₀bm	bmbfx
4	Ross-on-Wye	cbc	bcbb	bbm₀	bmxfF
5	Hartland Point	cidoc	bc	bc	bcw
	Bristol ...	cidocb	bcbbcm₀	bm₀fgbmx	bfbm₀fgx
	Portland Bill ...	oc	c	bc	c
	Plymouth ...	cmmoc	cbc	bcmw	cm₀w
	The Lizard ...	cidc	idcbc	bcc	c
	Scilly (St. Mary's)	cidoc	c	cbcw	bccw
	Guernsey ...				
6	Pembroke ...	cbc	bc	bcw	bcc
7	Holyhead (Valley)	bcb	bcb	bm₀w	bm₀w
	Chester (Sealand)	cmobc	bc,bm₀	bmf	bm₀
8	Manchester ...	cm₀	cbcm₀	bm₀f	ffbm
10	Spurn Head ...	bcz₀	bz₀	bm₀	bm₀
	Catterick ...	cbcy	by	bbcb	bbc
	Tynemouth ...	bc	bc	bc	bc
11	St. Abbs Head	bc	bbcbc	bcc	f
	Leuchars ...	cbbc	bccbc	bcc	cbcc
12	Renfrew (Abbots I.)	bc	cbc	bcbbcb	bbcm₀
	Eskdalemuir ...	cbcy	bcbybc	bcb	bbcx
	Point of Ayre ...	bbccb	b	bccbx	bz₀w
13A	Tiree ...	bmbcc	c	cbbcc	od₀oc
13B	Stornoway ...	cprbcc	c	ccir₀	cr₀r₀c
15	Dalwhinnie ...	bccy	c		cbco
	Aberdeen ...	bbcy	bcy	bcyc	c
	Wick ...	cprbc	ccprbcc	cbcc	c
16	Sumburgh ...	pr₀pr₀bc	bcpr₀c	cr₀r₀rd	cid₀id₀
17	Blacksod Point	bc	bc	c	r
18	Malin Head ...	bc	c	c	r
	Aldergrove ...	cbc	bc	bccbcbm₀	bm₀cm₀
19	Birr Castle ...	f	bc		c
20	Valentia Obsy.	bc	bc	bc	c
	Roches Point	d	bc	bc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 19th February 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England South Wales	Light to moderate westerly winds. Fine, becoming cloudy except possibly in the South. Visibility mainly poor, bad locally with some further fog development in the South tonight. Very mild by day. Ground frost in the South tonight.
7 North Wales 8 N.W. England 9 N. Midlands .. 10 N.E. England	Moderate or fresh westerly wind. Cloudy, but fine in east and south at first. Local coast drizzle in west. Moderate or good visibility; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh to strong westerly wind in south, strong to gale in north. Cloudy, local rain. Mainly good or very good visibility, mild
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 11-15

GENERAL INFERENCE

Large anticyclone lying over south of British Isles. Troughs moving southeast across the North. Stormy, cloudy conditions with occasional rain in the North. Fine in the South at first but cloudy in most areas later. Mild in the North, very mild in south by day. Ground frost in extreme south tonight.

FURTHER OUTLOOK

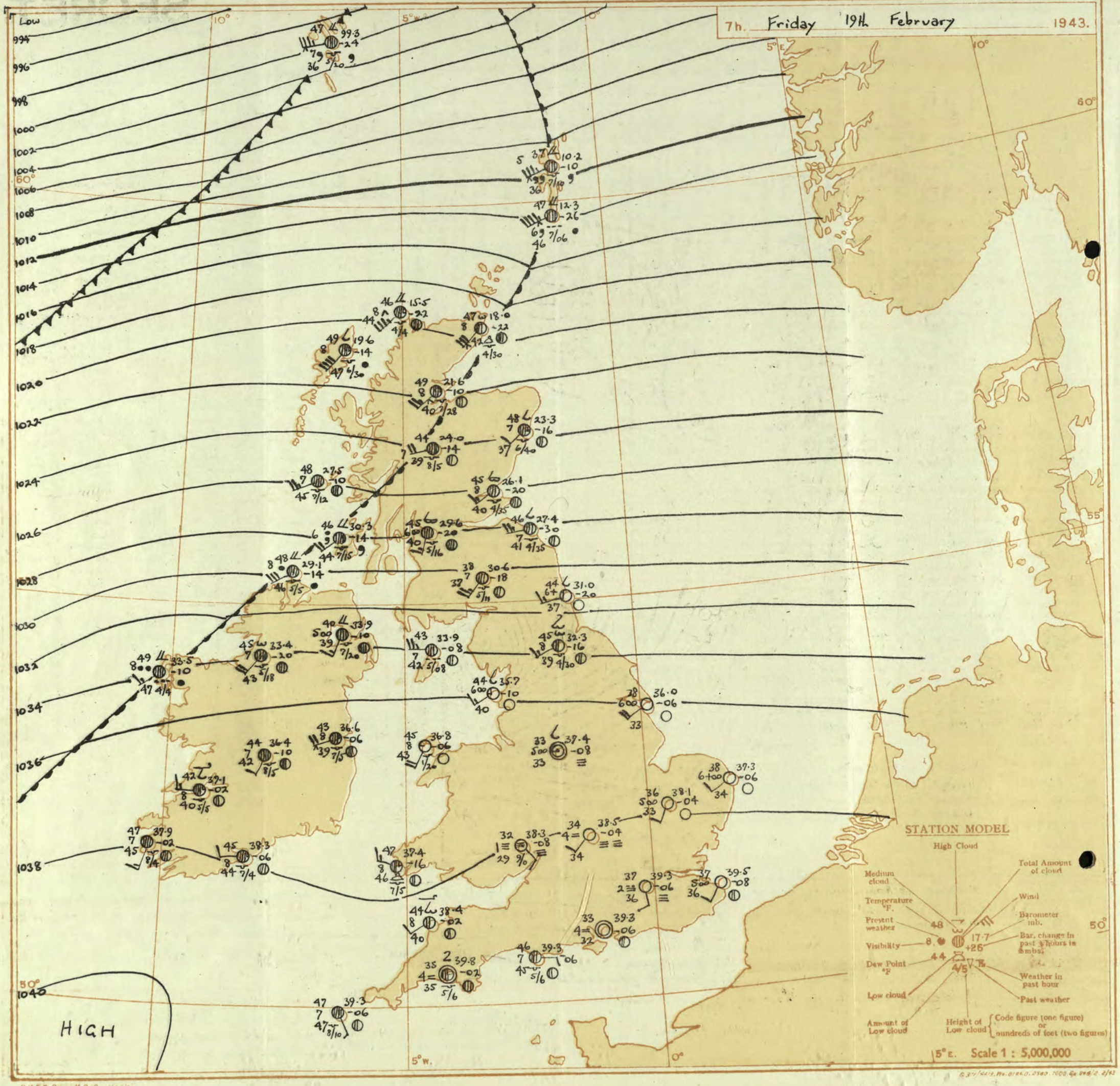
Little change

Gale warning in operation in districts 13b, 15, 16. Issued 1100 GMT 18th February 1943

In districts 13a. Issued at 0400 G.M.T. 19th February 1943

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

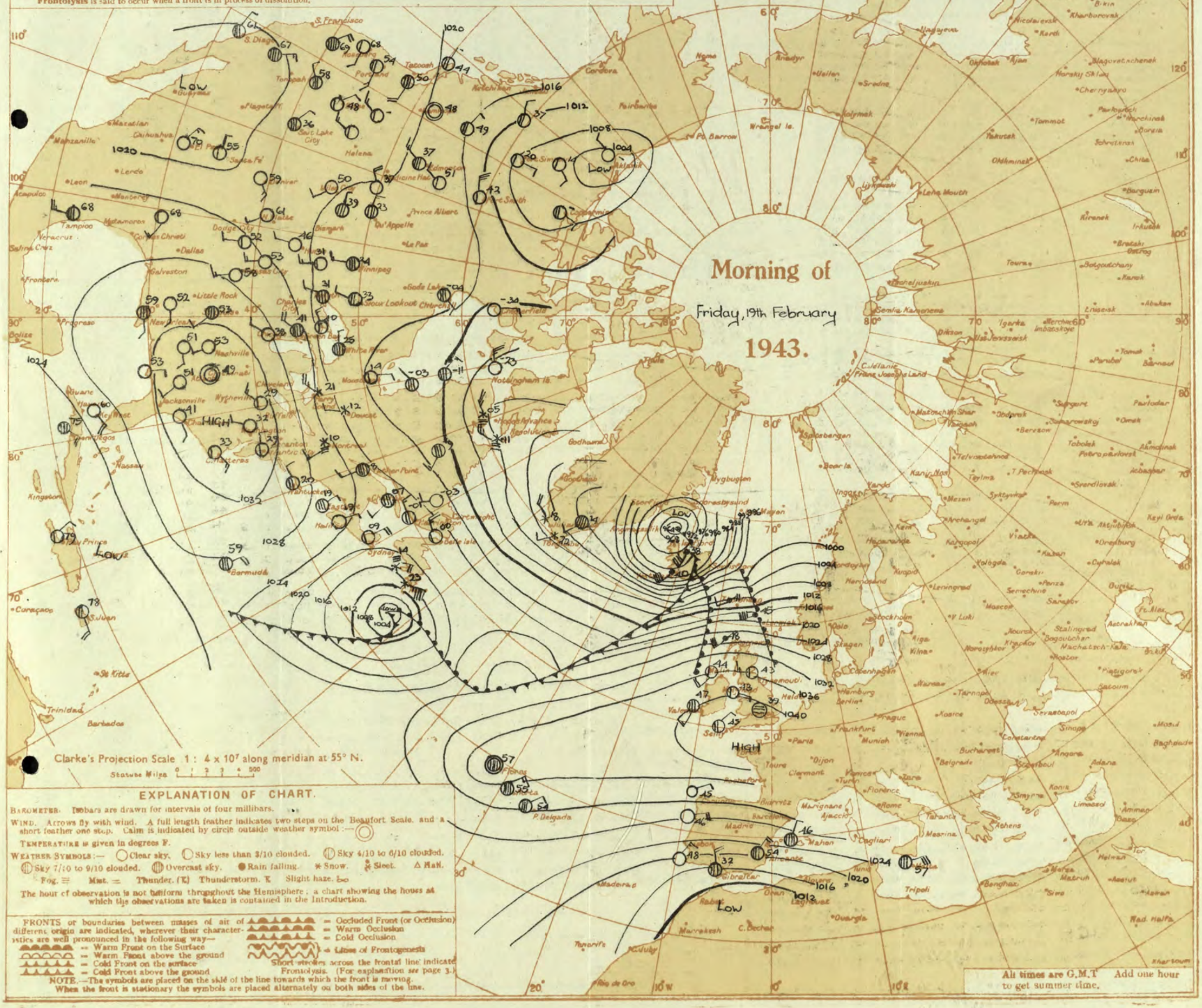
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Friday 19th February 1943
No. 29674

OBSERVATIONS at 1 hr. G.M.T. 19th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon	290	40·6	-2	–	0	bf	39	97	39	2	–	–	–	0	0	–
	S. Farnborough	226	40·8	-2	–	0	bf	31	92	30	3	–	–	–	0	0	–
	Boscombe Down	417	40·8	-2	–	0	bjf	39	92	36	5	–	–	–	0	0	–
	Thorney Island	10	40·2	0	–	0	z_0	39	92	37	6	–	–	–	0	0	–
	Lympne	283	40·7	0	SE	1	z_0	40	92	38	6	–	–	–	0	0	–
	Manston	154	40·7	0	–	0	z_0	37	92	36	6	–	–	6	0	4-6	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	40·1	-2	SW	3	z_0	41	92	39	5	–	–	–	0	0	–
	Gorleston	5	39·3	0	WSW	2	z_0	40	85	36	6	–	–	–	0	0	–
	Mildenhall	15	39·6	-2	SW'S	2	m	38	92	35	4	–	–	–	0	0	–
	Cranwell	203	38·6	-6	WSW	3	m	37	92	35	4	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	40·3	-6	–	0	m	36	97	36	4	–	–	–	0	0	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	40·2	-4	NE'N	1	bc	44	92	42	8	–	4	6	0	4-6	–
	Bristol	209	40·8	-4	–	0	bf+	35	92	34	3	–	–	–	0	0	–
	Portland Bill	32	40·3	+4	NW	2	b-bc	44	92	42	7	2	–	–	2-3	2-3	4000
	Plymouth	82	41·2	-2	–	0	m	40	97	39	4	–	3	2	0	7-8	*
	The Lizard	240	40·5	-4	NE	2	c	47	92	43	7	4	–	–	9+	9+	1500
	Scilly (St. Mary's)	163	41·2	+2	NE	1	bc	45	97	45	8	5	–	2	1	4-6	1500
	Guernsey	175															
6	Pembroke	142	40·6	-10	E'S	1	b-bc	43	97	43	7	–	7	–	0	2-3	–
7	Holyhead (Valley)	32	38·7	-14	SW'S	3	z_0	44	85	41	6	–	–	–	0	0	–
	Chester (Sealand)	16	38·6	-6	–	0	b/f	34	92	33	5	–	–	–	0	0	–
8	Manchester	235	39·2	-10	SSE	2	bf+	35	97	35	2	–	–	–	0	0	–
10	Spurn Head	29	38·1	-4	WSW	4	z_0	41	85	35	6	–	–	–	0	0	–
	Catterick	175	36·3	-16	SW	3	b	44	75	37	7	–	–	8	0	Tr	–
	Tynemouth	108	34·5	-20	W	3	b-bc	43	75	37	6	–	4	–	0	2-3	–
11	St. Abbs Head	280	32·9	-6	SW	3	c	43	97	43	7	5	–	–	9+	9+	4000
	Leuchars	36	31·4	-16	SW	3	c	42	75	36	8	–	1	–	0	9	–
12	Renfrew (Abbots I.)	19	34·3	-14	WSW	1	b	39	92	37	7	5	–	–	1	1	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	36·9	-18	WSW	2	b	36	92	35	8	–	–	–	0	0	–
13A	Tiree	44	31·5	-20	SW	4	c	47	92	44	7	5	–	–	10	10	1000
13B	Stornoway	15	24·6	-30	SW	7	ir_0	49	85	45	7	5	–	–	10	10	3200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	28·7	-18	WSW	4	c	44	65	34	9	–	7	–	0	10	–
	Wick	114	23·9	-32	SW	4	c	45	65	34	8	8	–	–	9+	9+	3500
16	Sumburgh	19	19·3	-26	WSW	8	dr	46	92	44	6	5	2	–	9+	10	800
17	Blacksod Point	18	36·1	-12	SW'S	5	c	49	85	45	7	6	–	–	10	10	2500
18	Malin Head	84	33·4	-22	SW	4	b-bc	44	85	40	8	–	3	–	0	2-3	–
	Aldergrove	268	36·9	-18	S'W	3	z_0	40	85	36	6	–	–	–	0	0	–
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	39·4	-14	S'E	3	c	47	92	45	9	5	–	–	9+	9+	2500
	Roches Point	22	40·5	-6	W	1	bc	44	97	43	8	5	–	–	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 19th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	39·4	-8	–	0	F	34	97	33	1	–	–	–	10	10	<150	1	*
Croydon	39·3	-6	S	2	bf	37	97	36	2	–	–	–	0	0	–	1	*
S. Farnborough	39·5	-6	–	0	bf-	27	97	27	3	–	–	–	0	0	–	3	*
Boscombe Down	39·8	-26	–	0	z_0	34	97	34	5	–	–	4	0	2-3	–	3	*
Thorney Island	39·3	-6	–	0	m	33	97	32	4	–	–	–	0	0	–	3	*
Lympne	39·8	-6	SSE	1	F+	41	97	41	1	–	–	–	10	10	<150	1	§*
Manston	39·5	-8	SW'S	2	z_0	37	97	36	5	–	–	–	0	0	–	1	*
Shoeburyness	38·5	-12	WSW	1	m	38	92	36	4	–	4	–	0	1	–	1	*
Felixstowe	38·4	-8	SW'W	1	m	38	92	36	4	–	–	–	0	0	–	3	1
Gorleston	37·3	-6	WSW	2	z_0	38	85	34	6	–	–	–	0	0	–	0	2
Mildenhall	38·1	-4	SSW	2	z_0	36	85	33	5	–	–	–	0	0	–	0	*
Cranwell	36·7	-6	SW'W	2	m	34	92	32	4	–	–	–	0	0	–	3	*
Birmingham	37·8	-6	WSW	2	z_0	37	92	35	5	–	–	–	0	0	–	1	*
Upper Heyford	38·5	-4	SW	1	m/f	34	97	34	4	–	–	–	0	0	–	0	*
Ross-on-Wye	38·3	-8	SSE	1	F	32	92	29	1	–	–	–	10	10	<150	1	*
Hartland Point	38·4	-2	WSW	2	bc	44	85	40	8	–	5	8	0	4-6	–	1	3
Bristol	39·6	-2	–	0	f+	34	97	34	2	–	–	–	10	10	<150	3	*
Portland Bill	39·3	-6	E	2	c-bc	46	92	45	7	5	–	–	7-8	7-8	4000	1	3
Plymouth	39·8	-2	–	0	m	35	97	35	4	5	–	6	7-8	9	4000	1	1
The Lizard	39·1	-4	S	2	c-bc	47	97	47	7	5	–	–	7-8	7-8	1500	0	3
Scilly (St. Mary's)	39·3	-6	SSE	3	c	47	97	47	7	5	–	–	10	10	1000	1	2
Guernsey																	
Pembroke	37·4	-16	WNW	3	c	47	97	46	8	8	–	–	9+	9+	2500	0	3
Holyhead (Valley)	36·8	-6	SW'S	4	b	45	92	43	8	5	–	–	Tr	Tr	2000	1	2
Chester (Sealand)	36·3	-10	–	0	b	33	85	31	4	–	4	–	0	1	–	3	*
Manchester	36·9	-8	SSE	3	z_0	33	92	31	6	5	3	–	2-3	2-3	4000	0	*
Spurn Head	36·0	-6	SW'W	4	z_0	38	85	33	6	–	–	–	0	0	–	1	3
Catterick	32·3	-16	WSW	3	bc	45	85	39	8	5	3	9	4-6	4-6	3000	3	*
Tynemouth	31·0	-20	WSW	3	b-bc	44	75	37	6	–	4	–	0	2-3	–	1	3
St. Abbs Head	27·4	-30	WSW	5	c-bc	46	85	41	7	5	4	–	4-6	7-8	3500	0	3
Leuchars	26·1	-20	SW	3	c-bc	45	85	40	8	5	7	–	4-6	7-8	3500	0	*
Renfrew (Abbots I.)	29·6	-20	S'W	3	z_0	45	85	40	6	5	7	–	7-8	10	1600	1	*
Eskdalemuir	30·6	-18	SW	5	c-bc	38	92	37	7	5	–	–	7-8	7-8	1100	1	*
Point of Ayre	33·9	-8	W	5	c-bc	43	97	42	7	6	–	–	7-8	7-8	800	0	3
Tiree	27·5	-10	WSW	5	c	48	92	45	7	5	–	–	9+	9+	1200	1	4
Stornoway	19·6	-14	SW	8	c	49	92	47	8	5	1	–	9	9+	3000	1	6
Dalwhinnie	24·2	-14	WSW	4	c	44	85	39	7	5	–	–	10	10	2500	0	*
Aberdeen †	23·3	-16	SW	2	c	48	65	37	7	5	4	–	9	9+	4000	1	2
Wick	18·0	-22	SW	6	c-bc	47	85	42	8	8	3	–	4-6	7-8	3000	1	*
Sumburgh	12·3	-26	WSW	9	id_0	47	97	46	6	6	2	–	9+	10	600	1	6
Blacksod Point	33·5	-10	SW	3	$_0r_0$	49	92	47	8	6	2	–	4-6	10	1500	1	3
Malin Head	29·1	-14	SW	6	ir_0	48	92	46	8	5	2	–	7-8	10	2500	2	4
Aldergrove	33·9	+10	SSW	3	z_0	40	97	39	5	5	2	–	9+	10	2000	1	*
Birr Castle	36·4	-10	SSW	2	c	44	92	42	7	5	–	–	10	10	2500	1	*
Valentia Obsy.	37·9	-2	S'W	3	c	47	92	45	7	5	–	–	10	10	1500	1	2
Roches Point	38·3	-6	W	2	c	45	97	44	8	5	–	–	9+	9+	1500	1	2*

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
London (Kew)	55	31	21	Tr	–	5·2
Croydon	55	37	19	Tr	–	4·1
S. Farnborough	56	26	18	Tr	–	5·1
Boscombe Down	54	32	26	*	Tr	5·6
Thorney Island	57	32	*	–	–	*
Lympne	52	38	29	Tr	0·1	2·5
Manston	53	35	31	Tr	Tr	2·6
Shoeburyness	56	37	25	Tr	–	4·3
Felixstowe	55	37	28	Tr	–	4·7
Gorleston	53	37	30	–	–	7·6
Mildenhall	54	34	24	–	Tr	7·9
Cranwell	54	32	26	–	–	7·4
Birmingham	50	35	24	–	–	4·7
Upper Heyford	52	32	26	Tr	–	*
Ross-on-Wye	54	29	21	*	–	7·2
Hartland Point	50	39	34	Tr	–	4·6
Bristol	56	32	24	Tr	–	6·1
Portland Bill	52	41	*	*	–	*
Plymouth	55	34	29	–	–	2·0
The Lizard	53	44	*	Tr	–	0·9
Scilly (St. Mary's)	52	42	*	Tr	Tr	1·6
Guernsey						
Pembroke	53	44	*	–	–	6·9
Holyhead (Valley)	52	35	27	–	–	*
Chester (Sealand)	52	33	21	–	–	7·9
Manchester	50	33	26	–	–	*
Spurn Head	49	47	*	*	–	8·0
Catterick	55	40	30	*	–	8·4
Tynemouth	52	42	37	–	–	*
St. Abbs Head	50	40	*	–	–	*
Leuchars	52	41	37	–	–	3·6
Renfrew (Abbots I.)	51	39	34	–	–	6·4
Eskdalemuir	48	33	26	–	–	7·6
Point of Ayre	52	35	*	–	–	6·7
Tiree	49	45	42	1	Tr	2·5
Stornoway	47	44	43	Tr	Tr	0·3
Dalwhinnie	45	38	35	–	–	4·9
Aberdeen †	50	41	32	–	–	5·9
Wick	46	41	38	0·2	–	*
Sumburgh	46	44	39	0·3	0·6	3·3
Blacksod Point	52	46	*	–	Tr	*
Malin Head	51	41		–	Tr	4·9
Aldergrove	51	37	29	–	–	5·4
Birr Castle	55	37	31	–	–	4·9
Valentia Obsy.	52	45	37	Tr	Tr	6·6
Roches Point	55	43	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIi	13h. G.M.T. 18th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	50	02754	58884	52	02754	57687	52	02654	54728	52	02755	24858
115	62	15835	95828	52	02735	91688	52	14834	87727	52	14844	87727
203												
206	36	10864	57514	83	01863	56614	56	02865	55626	--	21257	02743
210	26	01854	24484	37	01863	22413	07	02890	53415	5-	02857	53517
220	81	02755	23318	53	01754	22415				52	02745	19528
230	80	02764	55415	51	02757	16327	5-	05658	18428	62	58645	53568
245	10	01861	23315	05	01890	22314	05	02990	20427	55	02963	22427
260	10	01763	20313	04	01790	18214	04	05690	20413	57	05655	53426
278	14	01851	26512	53	02765	22216	00	00790	12220	57	02754	20316
279	40	02862	26214	03	01790	20314	03	05690	20503	53	02734	20526
285	13	01852	30513	13	01743	30515				23	02744	24516
288	00	05690	26412	05	01890	20214	00	01790	16112	54	02851	18315
575	70	01853	32214	50	01752	00013	04	01290	18111	53	02748	20428
301	10	05661	31312	00	05690	25302	00	05690	20100	04	05690	22302
321	10	05652	26312	00	05590	26210	00	08490	20200	07	08490	18314
2..	04	01790	22302	50	05662	30212	00	04690	20200	50	05652	20302
292	50	01851	27442	50	05690	25300	00	05690	00000	04	05690	22313
310	--	01634	26414	--	01632	24412						
614	40	05662	26212	04	05590	26212	00	41490	24100	00	43290	22240
333	70	01843	28313	60	01831	26314	00	05690	00000	5-	05547	00027
334	-+	01742	32302	--	05553	00014						
340	-4	02754	28325	40	01762	32202	00	47390	00000	04	05690	14101
136	03	05690	27411	04	05690	20101	00	08490	20100	00	08490	21300
336				40	01763	0213				50	05643	32313
350	00	05690	28414	04	05590	08111	00	08490	18100	5-	47348	20228
368	10	01762	25303	14	01662	26114	00	08490	00000	00	45090	24140
370	20	05553	30413	00	01690	28212	00	05690	00000	00	05690	20200
390	20	05653	26424	00	05590	00000	00	47390	00040	--	48009	20149
382	10	05663	32414	00	05690	28102	00	47190	00040	00	41590	00041
438	55	05646	30317	5-	05566	28216	00	05590	28210	50	04263	20343
430	10	02855	28125	50	04563	32213	00	05590	00000	--	48109	00049
409	[illegible]	02747	32357	04	01890	02224	00	02790	08125			

IIi = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning 19th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cm_0cz_0	zybzw	bzFx
Croydon	d_0mcm	bczbof	bfx
Greenwich	cfbc	bcybf	bfFx
Camden Square	o	c	*
Kensington	cbcz	bbcz	*
Hampstead	bc	of	of

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. Ti[me] 1·0 0/1hr 19th; Min. 0·1 11/12h 18th

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	55	31	21	Tr	·	5·2	*	*
Croydon	55	37	19	Tr	–	4·1	*	*
Greenwich	54	31	23	·	Tr	4·5	54	95
Westminster	57	34	30	–			55	97
Regents Park	55	34	36	–	–		65	100
Camden Square	57	35	27	–	–	*	*	98
Kensington	56	33	25	–	Tr		68	96
Hampstead	54	34	27	–	–		*	99

SECRET

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

Saturday 20th February 1943. No 29675

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	37·0	-22	N	3	z₀	51	65	41	6	-	-	6	0	2-3	-
	Croydon ...	38·3	-18	N	3	z₀	53	75	44	6	-	-	1	0	1	-
	S. Farnborough	37·5	-26	N	3	z₀	53	65	41	6	-	-	4	0	2-3	-
	Boscombe Down	37·9	-18	N'N	3	c-bc	51	75	44	7	1	-	6	1	7-8	2500
	Thorney Island	38·3	-16	N	1	m	52	75	43	4	1	4	-	Tr	Tr	4000
	Lympne ...	38·3	-18	S	1	m	45	97	45	4	5	-	-	10	10	100
	Manston ...	37·2	-18	SW'N	3	z₀	50	75	42	5	-	-	-	0	0	-
2	Shoeburyness ...	37·2	-24	WSW	3	z₀	52	65	42	5	-	-	-	0	0	-
	Felixstowe ...	35·9	-24	N'S	4	z₀	53	65	42	5	-	-	-	0	0	-
	Gorleston ...	34·6	-10	NN'N	3	z₀	53	65	42	6	-	-	-	0	0	-
	Mildenhall ...	34·0	-18	N'S	4	z₀	53	65	43	6	1	-	-	Tr	Tr	3000
	Cranwell ...	35·3	-10	N'S	4	z₀	50	65	40	5	-	-	5	0	2-3	-
3	Birmingham ...	36·1	-4	NSW	2	z₀	46	75	39	6	-	7	-	0	9	-
	Upper Heyford	36·4	-20	N'S	3	z₀	53	55	37	6	-	4	6	0	2-3	-
4	Ross-on-Wye	37·3	-12	N	1	z₀	49	75	40	6	-	-	6	0	4-6	-
5	Hartland Point	38·5	-10	NSW	2	c-bc	48	92	46	8	2	6	-	2-3	7-8	2500
	Bristol ...	38·5	-12	N'N	3	z₀	48	85	44	6	5	-	1	9+	9+	2500
	Portland Bill ...	38·7	-12	N	2	c	51	92	49	8	5	4	-	4-6	9	4000
	Plymouth ...	39·7	-10	NNW	2	c-bc	50	85	45	7	2	7	8	2-3	7-8	2500
	The Lizard ...	39·2	-8	SW	3	bc	53	65	42	8	7	6	-	2-3	4-6	3000
	Scilly (St. Mary's)	39·5	-6	SSE	2	c	54	65	43	8	5	3	3	7-8	9+	1500
	Guernsey ...															
6	Pembroke ...	38·9	-4	N'N	4	c	48	92	45	8	5	-	-	9	9	2500
7	Holyhead (Valley)	37·1	+2	SW	4	c	47	85	42	8	5	4	2	4-6	9	1500
	Chester (Sealand)	36·5	-2	NSW	3	c-bc	49	75	42	8	7	-	6	4-6	7-8	3500
8	Manchester ...	36·4	-4	N'S	3	z₀	45	85	40	6	5	-	-	9+	9+	1500
10	Spurn Head ...	33·5	-14	N	4	z₀	49	65	38	6	-	3	-	0	2-3	-
	Catterick ...	32·1	-14	NSW	3	c	45	85	41	7	5	2	-	7-8	10	1500
	Tynemouth ...	29·5	-8	NSW	5	c-bc	48	85	43	7	8	3	-	4-6	7-8	3400
11	St. Abbs Head	25·7	-8	N	6	c-bc	49	85	44	7	5	6	-	7-8	7-8	2500
	Leuchars ...	24·7	-6	SW	7	c	51	75	44	7	8	-	3	2-3	9	2500
12	Renfrew (Abbots I.)	29·2	-4	SW'N	5	id₀	49	85	45	7	6	2	-	7-8	10	1000
	Eskdalemuir ...	31·0	-4	SW	4	d₀d₀	43	92	41	6	5	-	-	10	10	1800
	Point of Ayre ...	34·2	0	W'S	5	c	48	85	46	8	5	-	-	10	10	6000
13A	Tiree ...	28·0	+2	N'S	4	d₀d₀	49	97	48	5	5	-	-	10	10	300
13B	Stornoway ...	20·5	+18	NSW	8	b-bc	50	75	42	8	1	-	-	2-3	2-3	1800
15	Dalwhinnie ...	24·0	-22	NSW	4	c	48	75	42	7	5	-	-	9+	9+	1500
	Aberdeen ...	21·5	-10	NSW	5	c-bc	56	55	41	8	7	-	9	2-3	7-8	3500
	Wick ...	17·1	-8	W'S	5	b/d	49	85	45	8	8	-	6	4-6	4-6	2500
16	Sumburgh ...	18·6	-18	N	9	c-bc	48	85	43	7	8	-	-	7-8	7-8	1500
17	Blacksod Point	34·9	0	W'S	4	c	51	85	47	8	5	-	-	9+	9+	1500
18	Malin Head ...	30·6	+2	NSW	6	ir₀	49	85	45	8	5	2	-	7-8	10	1500
	Aldergrove ...	33·4	-2	SW'N	4	c	49	75	43	8	5	-	-	9+	9+	2000
19	Birr Castle ...	36·6	-4	WSW	2	c	49	85	45	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	38·3	0	W'S	2	c	52	85	48	8	1	5	-	10	10	4000
	Roches Point	38·3	-6	N	3	c	51	85	47	8	5	-	-	9	9	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	36·0	-2	W'S	1	m	48	75	41	4	-	-	6	0	7-8	-	1	•
	Croydon ...	36·0	+6	W	2	z₀	48	85	43	5	-	-	6	0	4-6	-	1	•
	S. Farnborough	36·3	-2	—	0	c-bc	47	85	42	7	-	7	6	0	7-8	-	1	•
	Boscombe Down	36·8	-2	W'N	2	z₀	45	85	42	6	-	-	9	0	7-8	-	0	•
	Thorney Island	36·6	-2	NW'N	1	z₀	47	85	42	6	-	4	-	0	1	-	1	•
	Lympne ...	36·2	-2	NE	1	f+	43	97	43	1	-	-	-	10	10	<150	1	§
	Manston ...	35·3	-2	SW'S	2	bf+	43	97	42	2	-	7	-	0	Tr	-	1	•
2	Shoeburyness ...	34·5	-6	WSW	2	z₀	47	85	41	5	-	7	-	0	2-3	-	1	•
	Felixstowe ...	35·0	-6	W'S	3	z₀	49	65	39	5	-	-	8	0	4-6	-	0	2
	Gorleston ...	32·9	0	NW	2	c-bc	48	75	40	6	5	-	-	7-8	7-8	2500	0	2
	Mildenhall ...	34·8	0	W'S	3	z₀	45	85	39	5	-	-	6	0	9	-	0	•
	Cranwell ...	33·8	-4	WSW	3	z₀	45	85	42	6	5	7	-	4-6	9+	2200	0	•
3	Birmingham ...	35·9	-10	W	3	z₀	46	85	42	6	5	-	2	2-3	4-6	4000	1	•
	Upper Heyford	35·8	-2	W	2	c	45	85	40	7	5	-	6	Tr	9	2500	0	•
4	Ross-on-Wye	36·4	-4	W'N	2	c-bc	47	75	40	8	5	-	9	1	7-8	3000	1	•
5	Hartland Point	37·1	-6	WNW	2	c-bc	46	92	44	8	4	4	6	2-3	7-8	2500	1	3
	Bristol ...	36·9	-6	-	0	z₀	43	85	40	6	5	-	8	Tr	7-8	4000	1	•
	Portland Bill ...	36·5	-6	NW	2	c	48	92	46	7	5	-	-	9	9	4000	1	3
	Plymouth ...	37·5	-10	N'W	2	z₀	49	75	42	6	5	7	6	4-6	9+	2500	1	1
	The Lizard ...	37·3	-10	WSW	3	c-bc	47	85	43	8	2	6	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	37·8	-10	—	0	c	49	85	44	8	8	-	-	9+	9+	1500	0	2
	Guernsey ...																	
6	Pembroke ...	37·7	-4	NW	2	id₀	45	97	45	7	5	-	-	9+	9+	500	0	3
7	Holyhead (Valley)	35·9	-4	SW	3	c	47	85	44	8	5	-	-	10	10	2500	1	3
	Chester (Sealand)	35·3	-2	N	2	c	50	66	40	8	5	-	-	9+	9+	3000	0	•
8	Manchester ...	35·0	-2	WSW	3	z₀	47	85	41	6	5	-	-	10	10	2500	1	•
10	Spurn Head ...	32·5	0	N	1	z₀	46	75	39	6	7	4	-	4-6	7-8	1500	0	3
	Catterick ...	31·5	+4	NSW	3	c	47	85	42	7	5	-	9	2-3	9	1500	0	•
	Tynemouth ...	27·6	-18	N	6	c-bc	48	85	44	7	2	3	-	4-6	7-8	2600	1	5
11	St. Abbs Head	24·9	+6	N	7	bc	50	85	46	7	4	4	-	4-6	4-6	3000	0	3
	Leuchars ...	26·1	+18	N	6	b-bc	49	55	35	7	2	-	8	1	2-3	2500	0	•
12	Renfrew (Abbots I.)	30·0	+8	N	4	c-bc	47	75	39	7	8	-	-	7-8	7-8	2000	1	•
	Eskdalemuir ...	30·8	+6	SW	4	c/r	48	85	44	6	5	-	-	10	10	1200	1	•
	Point of Ayre ...	33·8	+4	N	3	c	48	92	45	8	5	-	-	10	10	3000	0	4
13A	Tiree ...	31·7	+14	W	3	c-bc	46	75	39	7	8	6	1	7-8	7-8	3000	1	3
13B	Stornoway ...	26·1	+26	N	8	c	45	75	39	8	2	4	2	2-3	9+	1800	1	5
15	Dalwhinnie ...	27·0	+14	N	4	b-bc	41	65	31	8	8	-	-	2-3	2-3	2500	0	•
	Aberdeen ...	24·1	+36	WNW	4	b	49	45	30	8	4	-	1	Tr	Tr	4000	0	3
	Wick ...	20·9	+12	WNW	8	bc	46	92	42	8	5	-	-	4-6	4-6	2500	1	•
16	Sumburgh ...	22·4	+34	W	11	c-bc/ph(r)	43	75	37	6	3	-	-	7-8	7-8	1500	1	6
17	Blacksod Point	34·9	-2	WSW	2	d₀d₀	49	97	48	7	6	2	-	4-6	10	1500	2	2
18	Malin Head ...	33·2	+24	W	3	b-bc	46	85	42	7	5	-	-	2-3	2-3	1500	2	4
	Aldergrove ...	33·6	0	WSW	4	id₀	48	92	46	6	5	2	-	9	10	1500	1	•
19	Birr Castle ...	36·1	-2	WSW	2	c	50	75	43	8	5	2	-	7-8	10	2500	1	•
20	Valentia Obsy.	37·2	-6	—	0	c/pr	49	92	47	8	5	-	-	9+	9+	2500	1	1
	Roches Point	37·0	-6	NW	2	c	50	92	48	8	8	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 19th (39)	Weather 13h.—18h. 19th (40)	Weather 18h.—19th 24h. 20th (41)	Weather 1h.—7h. 20th (42)
1	London (Kew)	of bfbz₀	bcz₀cm	bmw	b,cm₀fw
	Croydon ...	bfbm₀	b, bcz₀	bfbm	bmcmw
	S. Farnborough	bf,ybbz₀	bbcz₀ybc	bccmfbF	bFfbcofm
	Boscombe Down	bm₀xbc	ccm₀	cm₀fbcm	bccmcm₀
	Thorney Island	bmxpfbm	bmbbm₀	bm₀bmb	bmbcm₀x
	Lympne ...	ofefm	pf	bFbefm	bcmjfx
	Manston ...	bm₀bff	bz₀	bcbf	mcfcf
2	Shoeburyness ...	bmbz₀	bz₀	bcm₀bcm	bcmcm
	Felixstowe ...	bmxbmbz₀	bz₀bcz₀	bz₀bm₀	bmwcmx
	Gorleston ...	bz₀	bbccz₀	bz₀	bbccz₀
	Mildenhall ...	bm₀xbz₀	bcycm₀	bcm₀	bcbmbmf
	Cranwell ...	bmbm₀	bm₀cm₀	cm₀bm	bm₀bmff
3	Birmingham ...	bbcz	cbcz	bcc	com
	Upper Heyford	bmz₀bcz₀	bcz₀yczo	cbcm₀c	bcbcm₀
4	Ross-on-Wye	fbfmbc	cbcc	c	c
5	Hartland Point	bcc	c	cbc	bccw
	Bristol ...	bfcm₀cm	cm₀cbc	bcm₀cm₀,bc	bcm₀xcm₀cm
	Portland Bill ...	c	c	cbc	bc
	Plymouth ...	bcmbcm₀	c	c	c
	The Lizard ...	cb	bcc	cbcco	o
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	c	cid₀	c	c
7	Holyhead (Valley)	c	c	cid₀c	c
	Chester (Sealand)	bm₀bc	bc,c	cbc	cm₀
8	Manchester ...	bccm₀	cm₀	cm₀	m₀ffF
10	Spurn Head ...	bcz₀	cm₀	bc	bm₀
	Catterick ...	bcc	c	cbcb	bbm₀bm
	Tynemouth ...	bccm₀	cbc	cbcb	bcm
11	St. Abbs Head	c	cq	bcm₀b	bbc
	Leuchars ...	c	dbc	bcb	bbcc
12	Renfrew (Abbots I.)	cm₀ddid₀	cm₀d₀d₀cbc	bz₀cbcz₀	cm₀bm
	Eskdalemuir ...	bcprocd₀	cidoir₀	cbc	bcb
	Point of Ayre ...	c	c	cb	bbccw
13A	Tiree ...	cido idcd₀d₀	cd₀bcc	cbcc	c
13B	Stornoway ...	cd₀d₀m₀bc	bcc	cbccpgrc	bccbc
15	Dalwhinnie ...	oifoc	cbc	*	bcc
	Aberdeen ...	cbcy	cbcby	bybx	bxz₀
	Wick ...	cidobc	cdc	bc	bccid₀c
16	Sumburgh ...	cd₀d₀cbc	cprhc	cpr₀c	cbc
17	Blacksod Point	d	d	d	d
18	Malin Head ...	r	r	c	c
	Aldergrove ...	m₀id₀c	cid₀	cid₀m₀	m₀id₀cm
19	Birr Castle ...	c	r	*	c
20	Valentia Obsy.	d	pr	c	d
	Roches Point	c	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th February 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable winds; cloudy, but with local clear areas; fog locally today and more generally tonight and tomorrow; rather cold.
5 S.W. England 6 South Wales	Light variable winds; cloudy; rather cold.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light southwesterly winds, freshening; cloudy in west with occasional drizzle, fine in east becoming cloudy; visibility poor locally; rather cold.
13A W. Scotland ... 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland ↓	Moderate to fresh southerly winds, becoming strong to gale in west and north veering southwest to west; cloudy, with rain at times, much hill fog; rather cold.
16 Orkneys and Shetlands ↓	As 13A–15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate to fresh southerly winds; cloudy, with local drizzle; rather cold.

GENERAL INFERENCE

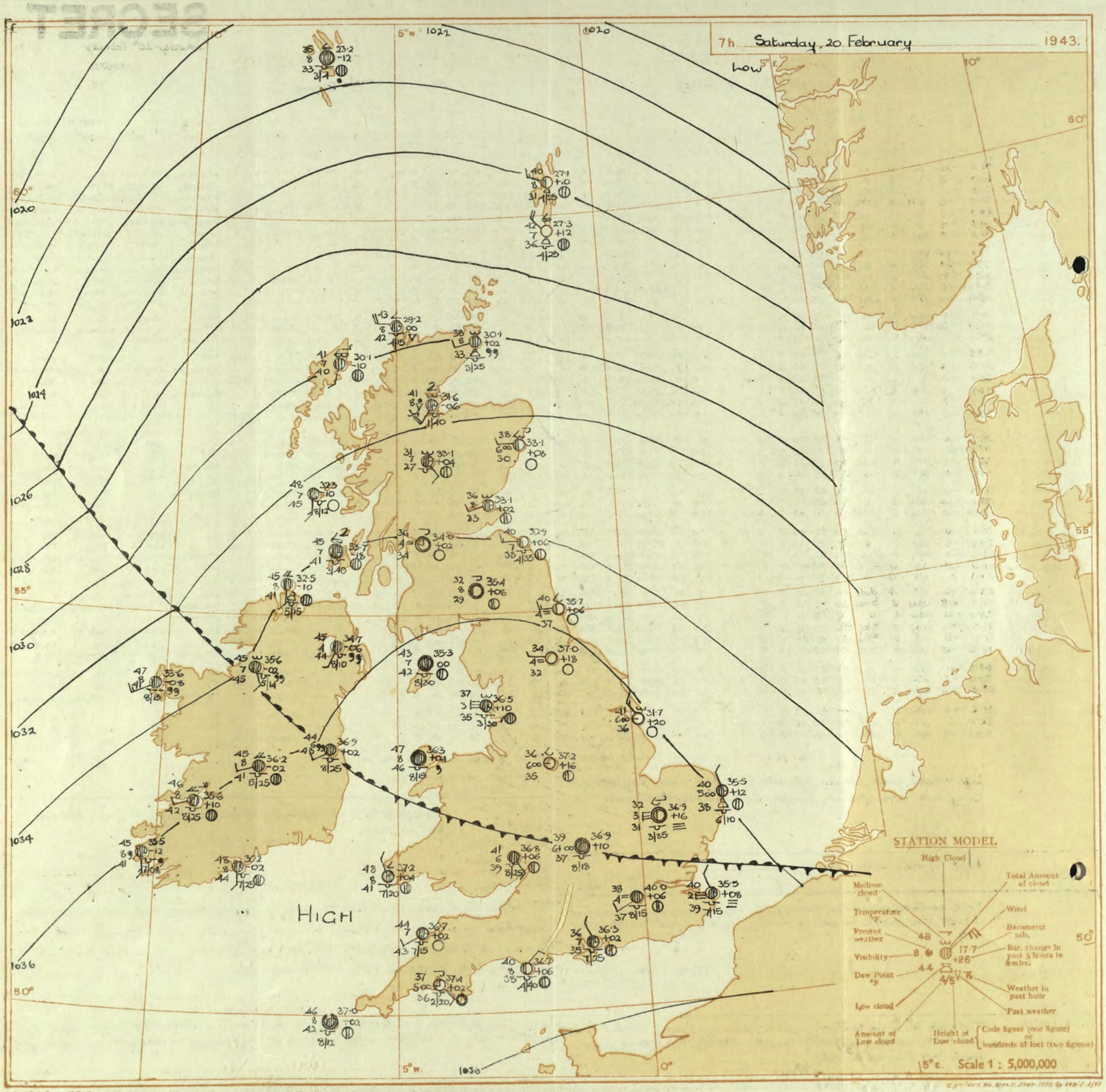
An anticyclone over Southwest England is moving slowly east and a deepening depression southwest of Iceland is moving quickly east northeast. There will be rain at times in northern districts and it will be cloudy in the South with some fog. It will be rather cold generally.

FURTHER OUTLOOK

Unsettled in West and North, with rain at times; quiet in the Southeast.
Gale warning in operation in districts 13b, 15 and 16. Issued at 1015 G.M.T. 20th February 1943

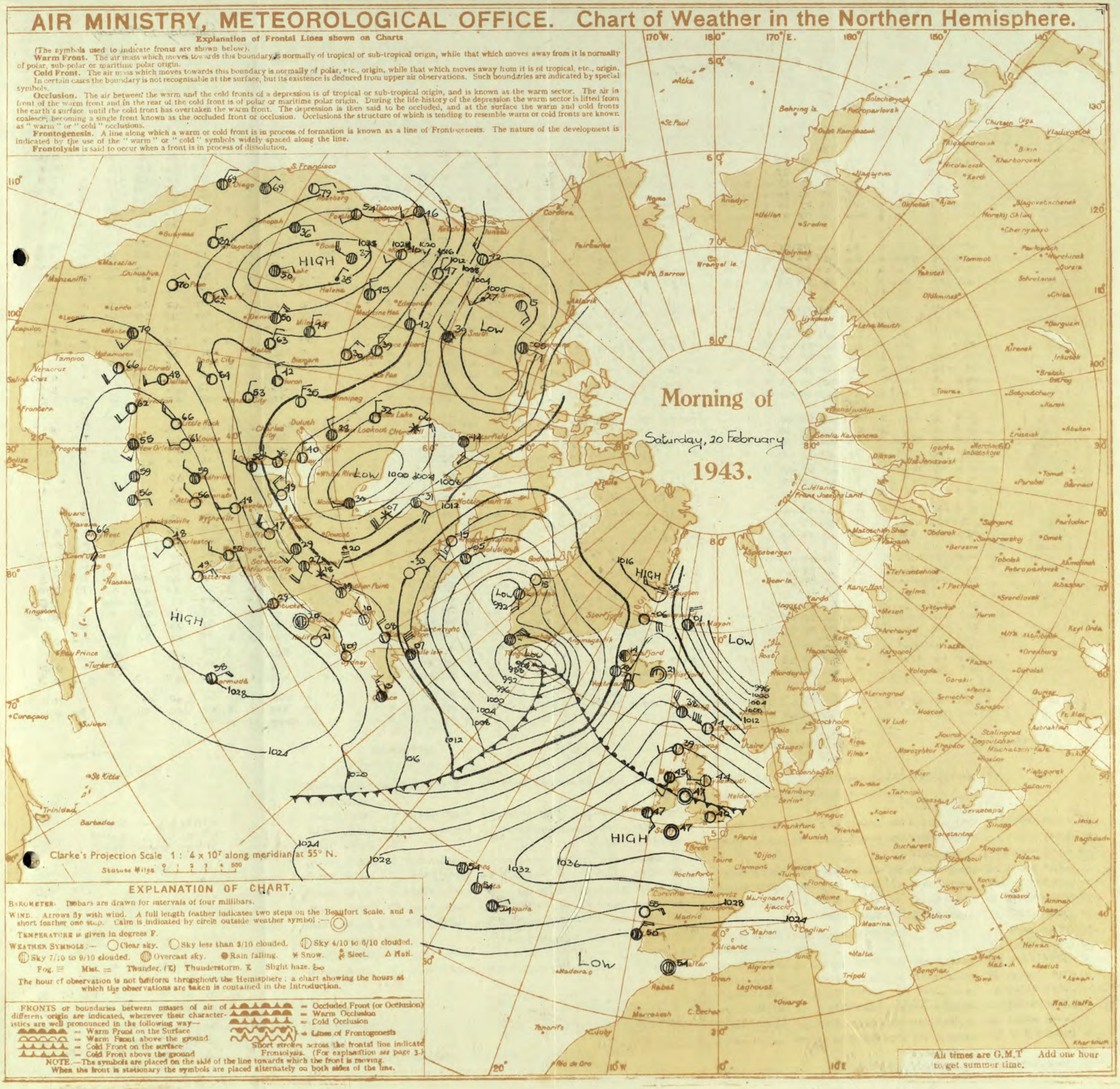
Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, N.O., Dunstable

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



Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Saturday 20th February 1943

No. 29675

OBSERVATIONS at 1 hr. G.M.T. 20th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon ...	290	36·6	+2	SW	1	m	40	97	39	4	–	4	–	0	Tr	–
	S. Farnborough	226	37·0	+2	–	0	bF	41	97	39	1	–	–	–	0	0	–
	Boscombe Down	417	37·4	+2	–	0	m	38	97	37	4	5	–	8	Tr	4-6	2500
	Thorney Island	10	36·7	+2	NW	1	m/f	37	92	35	4	–	–	1	0	2-3	–
	Lympne ..	283	36·4	-2	W	1	bjf	38	97	38	4	–	–	1	0	Tr	–
	Manston ...	154	36·2	+4	–	0	b-bcf-	39	92	37	3	–	–	8	0	2-3	–
2	Shoeburyness ...	11	*	*	W'S	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	35·5	+4	W'S	2	Z_0	40	92	38	5	–	–	1	0	Tr	–
	Gorleston ...	5	34·5	+6	WNW	2	Z_0	40	92	39	6	–	–	–	0	0	–
	Mildenhall ...	15	35·6	+6	SW'W	2	Z_0	37	92	35	5	–	4	2	0	2-3	–
	Cranwell ...	203	34·9	+2	W	2	m	41	97	39	4	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	36·2	+2	–	0	bc	36	97	35	7	–	7	2	0	4-6	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	37·3	0	N	1	bc	43	97	42	8	1	4	5	Tr	4-6	2500
	Bristol ...	209	37·5	0	SW	1	Z_0	40	92	38	6	5	3	5	2-3	4-6	4000
	Portland Bill ...	32	27·2	+2	NW	2	bc	41	92	39	8	2	–	–	4-6	4-6	4000
	Plymouth ...	82	38·1	+6	NE	2	c	45	85	41	8	5	–	–	9+	9+	2500
	The Lizard ...	240	38·0	+2	NNE	2	0	45	85	42	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	38·0	+2	–	0	c	47	85	42	8	5	–	–	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	37·9	0	WSW	2	c	46	97	46	7	5	–	–	9+	9+	1500
7	Holyhead (Valley)	32	36·3	-2	–	0	c	47	92	45	8	5	–	–	10	10	2500
	Chester (Sealand)	16	36·0	+6	NW'W	2	c-bc	46	85	43	7	5	–	–	7-8	7-8	3500
8	Manchester ...	235	36·0	+10	NW	2	Z_0	43	92	43	6	5	–	–	9+	10	900
10	Spurn Head ...	29	34·0	+2	SW	3	b	43	85	39	7	–	–	–	0	0	–
	Catterick ...	175	34·1	+6	W'S	2	b	45	75	39	8	–	–	–	0	0	–
	Tynemouth ...	108	33·3	+24	W	3	b-bc	44	85	40	7	–	3	–	0	2-3	–
11	St. Abbs Head	280	31·6	+32	W	4	b	44	85	40	7	4	–	–	Tr	Tr	4000
	Leuchars ...	36	32·8	+28	WSW	3	b	39	85	34	8	–	4	–	0	Tr	–
12	Renfrew (Abbots I.)	19	34·3	+12	SW	2	bc	42	85	38	7	5	–	–	4-6	4-6	2200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	36·5	+6	NW'N	2	b	45	85	42	7	5	–	–	10	10	2000
13A	Tiree	44	34·3	+6	SW	2	c	44	92	40	7	5	–	–	9+	9+	5700
13B	Stornoway ...	15	32·1	+10	WSW	3	b-bc	39	97	39	8	–	3	1	0	2-3	–
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	31·1	+20	W	4	b	42	65	31	9	–	4	–	0	Tr	–
	Wick ...	114	28·2	+24	WNW	7	b-bc	42	75	34	8	8	–	–	2-3	2-3	2500
16	Sumburgh ..	19	23·2	+44	NW	8	c/pr	43	75	36	6	8	–	–	9+	9+	2000
17	Blacksod Point	18	35·2	-4	WSW	2	c/d	48	97	47	7	6	2	–	4-6	10	1500
18	Malin Head ...	84	34·9	+4	SSW	2	c	45	92	43	7	8	–	–	9	9	1500
	Aldergrove ...	268	36·2	+4	–	0	Z_0	44	97	43	6	5	–	–	10	10	1800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	37·4	-6	SE'S	3	c	47	97	46	8	5	–	–	9+	9+	2500
	Roches Point	22	37·7	-2	–	0	c	49	85	45	8	5	–	–	8	8	1500

OBSERVATIONS at 7 hr. G.M.T. 20th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	37·0	+8	SW'S	1	cf	39	92	36	3	5	2	–	2-3	10	4000	1	*
Croydon ...	40·0	+6	SW	1	m	38	97	37	4	5	–	–	10	10	1500	1	*
S. Farnborough	37·4	+14	WNW	2	m	37	75	28	4	5	7	–	9+	10	2000	1	*
Boscombe Down	37·1	+2	N'W	2	Z_0	40	97	39	6	5	–	–	10	10	2000	0	*
Thorney Island	36·3	+2	NW'N	1	c	36	97	35	7	5	–	–	9+	9+	2500	1	*
Lympne ..	36·8	+8	NW'N	2	m	35	97	35	4	–	3	2	0	2-3	–	1	*
Manston ...	35·5	+8	NW'N	1	cf+	40	97	39	2	5	–	–	9+	9+	2200	1	*
Shoeburyness ...	36·6	+12	NNW	2	m	40	92	38	4	5	–	–	10	10	2500	1	*
Felixstowe ...	36·5	+12	NW	3	m	37	92	36	4	5	2	–	7-8	10	3300	0	2
Gorleston ...	35·5	+12	NNW	2	Z_0	40	92	38	5	8	–	–	9	9	1000	0	2
Mildenhall ...	36·9	+16	–	0	b-bcf+	32	97	31	3	5	4	1	2-3	2-3	3500	0	*
Cranwell ...	36·7	+18	NW	2	F+	39	97	39	0	–	–	–	10	10	<150	3	*
Birmingham ...	37·2	+4	NNW	2	m	44	92	42	4	5	–	–	10	10	800	1	*
Upper Heyford	36·9	+10	–	0	Z_0	39	97	37	6	5	–	–	10	10	1800	0	*
Ross-on-Wye	36·8	+6	SE	1	c	41	92	39	6	5	–	–	10	10	2500	1	*
Hartland Point	36·7	+2	SW	1	c	44	97	43	7	5	–	–	9+	9+	1500	1	3
Bristol ...	37·6	+8	–	0	Z_0	42	92	40	5	5	–	–	10	10	2500	1	*
Portland Bill ...	36·7	+6	NE	2	bc	40	92	38	8	5	–	–	4-6	4-6	4000	1	3
Plymouth ...	37·4	+2	ESE	2	Z_0	37	97	36	5	5	–	1	1	1	2000	1	1
The Lizard ...	36·8	0	NNE	2	0	44	92	42	7	5	–	–	10	10	1500	0	3
Scilly (St. Mary's)	37·0	+2	–	0	c	46	85	42	8	5	–	–	10	10	1200	1	2
Guernsey ...																	
Pembroke ...	37·2	+4	NW	1	c	48	75	41	8	5	1	–	9+	10	2000	0	3
Holyhead (Valley)	36·3	+4	–	0	id_0	47	92	46	8	5	–	–	10	10	1500	1	2
Chester (Sealand)	36·5	+10	–	0	c	45	92	44	6	5	2	–	7-8	10	3000	1	*
Manchester ...	36·7	+10	S'W	1	bF+	39	97	39	1	–	–	–	0	0	–	1	*
Spurn Head ...	36·7	+20	NW'N	3	Z_0	41	85	36	6	–	3	–	0	Tr	–	1	3
Catterick ...	37·0	+18	W	1	m	34	92	32	4	–	–	–	0	0	–	0	*
Tynemouth ...	35·7	+6	W	3	m	40	92	37	4	–	4	–	0	2-3	–	1	3
St. Abbs Head	32·9	+6	W	3	bc	40	85	38	7	5	–	–	4-6	4-6	3500	0	3
Leuchars ...	33·1	+2	WSW	2	c	36	92	33	8	–	3	–	0	9	–	0	*
Renfrew (Abbots I.)	34·0	+2	–	0	m	36	92	34	4	–	4	1	0	1	–	1	*
Eskdalemuir ...	35·4	+8	–	0	b-bc	32	85	29	8	5	4	1	1	2-3	3300	3	*
Point of Ayre...	35·3	0	–	0	c	43	97	42	7	5	–	–	10	10	3000	0	2
Tiree	32·3	-10	S	3	c	48	85	45	7	5	–	–	10	10	1200	1	2
Stornoway ...	30·1	-10	SSW	2	c-bc	41	97	40	7	–	7	8	0	7-8	–	1	2
Dalwhinnie ...	33·1	+4	SE	2	c	31	85	27	7	5	3	–	2-3	9	2500	3	*
Aberdeen † ...	33·1	+8	W	1	Z_0	38	75	30	6	–	5	1	0	4-6	–	1	*
Wick ...	30·1	+2	WSW	1	c-bc/d	38	85	33	8	8	3	–	2-3	7-8	2500	1	*
Sumburgh ..	27·3	+12	NW'W	4	bc	42	75	36	7	8	7	–	4-6	4-6	2500	1	5
Blacksod Point	33·6	-8	SW	3	o/d	47	97	47	7	6	–	–	10	10	1500	1	3
Malin Head ...	32·5	-10	S'W	2	c	45	85	41	8	8	2	–	7-8	10	1500	2	3
Aldergrove ...	34·7	-6	SSW	1	o/d	45	97	44	4	5	–	–	10	10	1000	1	*
Birr Castle ...	36·2	-2	WSW	1	c	45	85	41	8	5	2	–	7-8	10	2500	1	*
Valentia Obsy.	35·5	-12	S'E	3	id_0	46	97	46	7	5	–	–	9+	9+	800	1	2
Roches Point	36·2	-2	S	1	c	48	85	44	8	5	–	–	9+	9+	2500	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 19th. Hrs. (38)
London (Kew)	53	34	21	Tr	3	6·2
Croydon ...	54	38	29	–	–	7·8
S. Farnborough	53	28	19	–	–	7·5
Boscombe Down	52	35	27	–	Tr	7·4
Thorney Island	55	31	24	–	Tr	*
Lympne ..	46	32	27	0·1	0·1	0·0
Manston ...	52	36	31	–	Tr	6·5
Shoeburyness ...	54	35	25	–	–	6·2
Felixstowe ...	55	35	28	–	–	7·6
Gorleston ...	54	37	33	–	–	8·4
Mildenhall ...	55	31	23	–	Tr	7·7
Cranwell ...	54	36	31	–	–	7·2
Birmingham ...	49	42	35	–	–	5·5
Upper Heyford	53	35	29	–	–	*
Ross-on-Wye	53	40	31	–	–	0·4
Hartland Point	51	39	35	–	–	4·0
Bristol ...	51	37	29	–	–	3·0
Portland Bill ...	52	38	*	–	–	*
Plymouth ...	52	37	29	–	–	4·6
The Lizard ...	53	43	*	–	–	5·7
Scilly (St. Mary's)	54	46	*	–	Tr	3·2
Guernsey ...						
Pembroke ...	50	44	*	–	Tr	0·7
Holyhead (Valley)	49	46	44	–	Tr	*
Chester (Sealand)	52	45	41	–	Tr	4·3
Manchester ...	48	37	27	–	–	*
Spurn Head ...	52	39	*	–	–	6·2
Catterick ...	49	33	24	–	–	1·1
Tynemouth ...	51	39	36	–	–	*
St. Abbs Head	51	39	*	–	–	*
Leuchars ...	53	35	27	–	–	5·1
Renfrew (Abbots I.)	49	36	32	Tr	–	0·7
Eskdalemuir ...	48	31	24	Tr	–	0·3
Point of Ayre...	51	38	*	–	–	0·7
Tiree	50	45	42	1	Tr	1·3
Stornoway ...	50	37	34	1	Tr	3·0
Dalwhinnie ...	49	31	23	0·4	–	1·6
Aberdeen † ...	57	37	26	–	–	3·0
Wick ...	52	35	31	Tr	Tr	*
Sumburgh ..	49	37	33	2	0·2	0·8
Blacksod Point	51	45	*	0·5	2	*
Malin Head ...	51	41		0·2	–	0·4
Aldergrove ...	50	43	42	–	0·4	0·3
Birr Castle ...	51	45	43	0·3	–	0·0
Valentia Obsy.	52	46	42	Tr	Tr	0·1
Roches Point	53	47	*	Tr	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 19th February: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 20th February: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN
109				8-	25646	57986	80	25754	59764	5-	51755	21315
115							87	02844	91626	51	02844	24487
203				5-	02847	24627						
206	86	81855	55686	46	01863	57614	90	01864	12114	53	80861	18417
210	5-	02857	54467	50	01852	55512	53	02853	23416	03	02890	20217
220	53	01753	23564	50	01754	24514						
230	5-	52528	51568	36	05853	24453	53	01861	20213	5-	02752	18114
245	7-	02965	5617	00	01890	57513	04	01890	26101	53	02751	04214
260	57	02745	53627	44	03444	20455	04	05690	24401	57	05662	23203
278	5-	21857	22357	5-	63638	23468	54	05662	24363			
279	5-	02755	20626				00	05690	21200	04	05690	18102
285	27	02744	24616							50	00852	32302
288	57	01754	18326	54	02862	20415	00	00790	20200	00	00690	22200
575	5-	02846	20257	5-	51638	18258	5-	52438	00058	55	21745	18157
301	5-	05648	22328	5-	05648	22328	57	05665	26228	53	47366	10127
321	00	05690	24526	54	05553	24425	00	08490	24100	00	47090	22140
2.)	20	01664	20414	44	0-753	22214	00	00790	22100	04	01790	28102
292	5-	02847	24327	50	02844	24322	40	00790	24100	00	04690	00000
310				--	01635	24515						
614	07	05690	24316	57	05653	55427	50	02852	26112	04	41590	30241

III	13h. G.M.T. 19th February: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 20th February: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN
333	5-	02846	21327	5-	02768	21123	5-	02753	00028	52	52536	00058
334										--	03646	23123
340	54	02756	31047	5-	02857	24227	53	02852	00016	5-	05557	30127
136	04	05690	22301	09	05690	23316	00	05590	24310	80	43364	24146
336	57	02756	20428							57	02754	28328
350	00	05690	24312	07	05690	24227	00	05590	24213	5-	05556	26226
368	83	02735	22345	57	02756	24217	00	01790	28114	5-	05558	28128
379	07	05690	24314	04	01790	28113	5-	02748	26328	5-	02758	28228
390	00	05580	20441	00	08490	26327	00	08490	24202	5-	47358	37528
382	07	05690	24414	07	05690	29226	5-	02855	00025	5-	02748	29128
438				--	46109	22349				04	05590	32302
430							00	05590	32112	5-	04755	20115
409	13	02862	24226	57	02825	30127	5-	02847	01127	5-	02847	00027

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h_v N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L C_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 20th February

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	oFbfbz	bczrm	bmwfw
Croydon ...	bfbm	bbcz	bmcmw
Greenwich ...	bFbcm	bcybm	bwoff
Camden Square	o	bc	*
Kensington ...	bc	bcbz	*
Hampstead ..	of	bc	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. Time 1·1 8-10h 19th. Min. Time <0·1 13-14h 19th.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	34	21	Tr	3	6·0	*	*
Croydon ..	54	38	29	–	–	7·8	*	*
Greenwich ..	55	34	25	–	–	6·6	57	95
Westminster ..	56	36	31	–			63	91
Regents Park ..	54	36	29	–	–		59	91
Camden Square	55	37	27	–	–	*	*	93
Kensington ..	56	36	25	–	Tr		73	91
Hampstead ..	55	37	29	–	–		*	91

SECRET

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BRITISH SECTION

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

Sunday 21st February 1943.

No. 29676

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	36·9	−6	–	0	f	43	92	41	2	–	–	–	10	10	150
	Croydon ...	36·7	−10	–	0	F	45	97	44	1	–	–	–	10	10	150
	S. Farnborough	37·1	−6	–	0	m	43	92	41	4	5	–	–	10	10	1600
	Boscombe Down	36·8	−8	–	0	2o	47	85	43	5	5	–	–	10	10	2000
	Thorney Island	36·5	−6	–	0	2o	50	75	42	6	5	–	–	9+	9+	4000
	Lympne ...	36·7	−6	SE	1	m	46	85	42	4	5	–	–	10	10	2000
	Manston ...	36·8	−2	N	1	2o	45	85	42	5	5	–	–	10	10	2500
2	Shoeburyness ...	37·1	−2	–	0	2o	45	85	41	5	5	–	–	10	10	2500
	Felixstowe ...	36·8	−2	–	0	2o	45	92	42	5	5	–	–	10	10	3000
	Gorleston ...	35·9	−6	–	0	2o	45	85	40	6	–	–	8	0	2-3	–
	Mildenhall ...	36·6	−10	SW'S	1	m	45	86	42	4	5	–	–	9+	9+	3500
	Cranwell ...	36·4	−10	SSW	3	2o	45	85	41	6	5	–	–	9+	9+	3000
3	Birmingham ...	35·6	−4	SW	2	m	47	75	40	4	5	–	–	9+	9+	2500
	Upper Heyford	36·6	−6	SW	1	2o	47	85	43	5	5	–	–	9+	9+	3000
4	Ross-on-Wye	36·5	−6	N'W	2	c	49	75	40	8	5	–	–	9+	9+	2500
5	Hartland Point	36·7	−6	E	2	c-bc	47	75	39	8	5	–	–	7-8	7-8	2500
	Bristol ...	37·1	−6	–	0	m	47	85	43	4	5	–	–	10	10	2500
	Portland Bill ...	36·2	−6	E	2	c-bc	49	92	47	8	1	–	–	7-8	7-8	4000
	Plymouth ...	37·1	−6	NE	2	b-bc	51	75	42	9	1	–	–	2-3	2-3	4000
	The Lizard ...	36·7	−10	E'N	3	c-bc	49	85	45	8	8	6	–	7-8	7-8	1500
	Scilly (St. Mary's)	36·7	−10	NE'N	2	c	49	75	41	8	5	6	–	7-8	9+	1000
	Guernsey ...															
6	Pembroke ...	37·5	−4	–	0	c	47	85	43	8	7	–	–	10	10	2200
7	Holyhead (Valley)	36·4	−6	SSW	2	d.d.	47	97	45	7	5	–	–	10	10	2000
	Chester (Sealand)	36·0	−12	SSW	1	c	50	85	46	5	5	2	–	2-3	10	3000
8	Manchester ...	36·1	−16	WSW	1	c	50	75	41	8	7	3	–	9+	9+	6000
10	Spurn Head ...	35·8	−16	S'E	2	2o	49	75	40	6	–	3	–	0	Tr	–
	Catterick ...	35·3	−20	SSE	2	bc	51	85	36	7	5	–	–	4-6	4-6	3000
	Tynemouth ...	34·4	−8	W	3	b-bc	50	65	39	7	–	3	–	0	2-3	–
11	St. Abbs Head	32·8	−6	SSW	3	c-bc	48	65	37	7	5	7	–	4-6	7-8	2700
	Leuchars ...	32·3	−14	SW	3	2o	46	85	42	5	5	2	–	9+	10	1500
12	Renfrew (Abbots I.)	33·0	−14	SW	3	c/d	47	92	45	6	5	–	–	4-6	9+	800
	Eskdalemuir ...	34·8	−8	SW	2	id.	49	92	38	6	5	–	–	10	10	400
	Point of Ayre...	35·5	−6	W	3	id.	48	92	45	7	5	7	–	7-8	10	2500
13A	Tiree	30·8	−6	S'W	4	id.	48	85	45	7	5	–	–	10	10	1000
13B	Stornoway ...	25·5	−22	SSW	7	c/d	48	97	47	8	5	2	7	7-8	10	1000
15	Dalwhinnie ...	30·6	−12	SSW	3	o	42	85	37	7	5	–	–	10	10	2500
	Aberdeen ...	30·7	−24	SSW	3	2o	47	55	33	6	–	4	3	0	7-8	–
	Wick ...	28·5	−14	S'W	3	c	43	75	36	8	5	7	–	7-8	10	3000
16	Sumburgh ...	26·8	−20	SSW	5	c	45	92	43	7	5	7	–	1	10	5000
17	Blacksod Point	32·4	−10	S'W	3	c	49	92	47	7	6	–	–	9+	9+	1500
18	Malin Head ...	31·5	−8	S'W	3	c	48	85	41	8	8	2	–	4-6	9+	1500
	Aldergrove ...	34·6	−6	S'W	3	c	46	75	39	8	5	–	–	9+	9+	1500
19	Birr Castle ...	35·5	−6	SW	2	c	48	75	41	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	35·0	−6	WNW	4	c	49	85	45	8	5	–	–	9+	9+	1500
	Roches Point	36·4	−4	WSW	2	c-bc	51	85	47	8	5	–	–	7-8	7-8	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	36·9	+6	NNW	1	f	45	85	42	2	–	–	–	10	10	150	1	*
	Croydon ...	36·8	−6	–	0	F	45	97	44	1	–	–	–	10	10	150	1	*
	S. Farnborough	36·8	+6	E'S	1	m/f	46	85	42	4	5	–	–	10	10	1700	1	*
	Boscombe Down	36·6	+6	–	0	2o	46	85	42	6	5	–	–	10	10	2000	0	*
	Thorney Island	36·4	+4	ENE	1	2o	46	85	43	6	5	–	–	10	10	4000	1	*
	Lympne ...	36·8	+2	–	0	m	45	92	43	4	5	–	–	10	10	2500	1	§1
	Manston ...	36·9	+6	–	0	m	42	85	38	4	5	–	–	9	9	3800	1	*
2	Shoeburyness ...	36·8	−2	–	0	2o	44	92	41	5	5	7	–	9+	9+	2500	1	*
	Felixstowe ...	37·3	+6	–	0	m	45	92	43	4	5	–	–	9+	9+	3100	0	1
	Gorleston ...	36·3	+4	S	1	2o	43	92	41	5	5	–	–	4-6	4-6	2800	0	3
	Mildenhall ...	36·3	+2	SW'W	1	m	46	92	45	4	5	–	–	9	9	3000	0	*
	Cranwell ...	35·7	+2	SW	2	2o	42	92	41	6	–	–	–	0	0	–	0	*
3	Birmingham ...	35·3	0	–	0	m	47	85	43	4	5	7	–	9+	10	1500	1	*
	Upper Heyford	36·2	+2	S'W	2	2o	44	85	40	6	5	–	–	1	1	2500	0	*
4	Ross-on-Wye	35·9	−4	SSW	1	c	48	75	42	7	5	–	–	9+	9+	2500	1	*
5	Hartland Point	35·4	0	N	1	b	45	85	40	8	–	–	–	0	0	–	0	3
	Bristol ...	36·1	−2	–	0	m	47	85	42	4	5	–	–	10	10	1500	1	*
	Portland Bill ...	35·1	−4	ESE	3	o	48	92	46	7	5	–	–	10	10	2500	1	3
	Plymouth ...	35·8	0	ESE	2	b	47	85	41	7	5	–	–	Tr	Tr	2500	1	1
	The Lizard ...	34·9	−4	E	2	c	47	85	43	8	5	–	–	9	9	2000	0	3
	Scilly (St. Mary's)	35·2	−4	E	1	c	47	85	43	8	5	–	–	10	10	1500	1	2
	Guernsey ...																	
6	Pembroke ...	36·5	0	S	1	c	47	85	42	8	8	–	–	10	10	2000	0	1
7	Holyhead (Valley)	35·3	−2	SSW	2	c	47	85	41	8	5	–	–	9+	9+	3000	1	2
	Chester (Sealand)	35·2	−2	–	0	c	48	85	44	6	5	–	–	10	10	2000	0	*
8	Manchester ...	35·5	+4	W	2	2o	47	85	43	6	5	–	–	7-8	10	1500	1	*
10	Spurn Head ...	35·2	+2	S	3	2o	43	92	41	5	–	–	–	0	0	–	0	2
	Catterick ...	34·5	−4	SSW	1	2o	47	85	42	6	5	–	–	9	9	2000	0	*
	Tynemouth ...	32·2	0	W	3	c	49	85	45	6	8	–	–	9+	9+	3200	1	3
11	St. Abbs Head	31·0	+4	SW	3	c	47	75	39	7	5	–	–	10	10	2500	0	2
	Leuchars ...	29·1	−16	SW	4	c	45	85	40	7	5	7	–	4-6	9+	2000	0	*
12	Renfrew (Abbots I.)	31·2	−10	SW	4	c	45	85	41	8	5	2	–	9+	10	1800	1	*
	Eskdalemuir ...	32·7	+2	SW'W	3	c	42	85	37	8	5	–	–	10	10	2500	1	*
	Point of Ayre...	34·4	−2	W'S	2	c	48	85	42	8	5	–	–	10	10	4500	0	2
13A	Tiree	28·7	−8	SW	4	c/d	48	92	47	6	5	7	–	7-8	10	1200	1	3
13B	Stornoway ...	23·8	−6	SW	7	id.	47	97	47	7	5	–	–	9	9	1000	1	5
15	Dalwhinnie ...	29·0	−10	WSW	3	c	43	75	35	8	5	9	–	4-6	9	2500	0	*
	Aberdeen ...	27·9	−10	SW	2	2o	44	92	42	6	5	4	8	Tr	9	3500	1	2
	Wick ...	24·9	−10	SSW	4	c-bc	46	85	42	9	8	7	9	4-6	7-8	2500	1	*
16	Sumburgh ...	22·2	−28	SW'S	6	c	45	97	44	7	5	2	–	9+	10	2000	1	4
17	Blacksod Point	30·7	−10	S'W	5	c/d	48	92	46	8	6	–	–	9+	9+	1500	1	4
18	Malin Head ...	30·1	−6	S'W	3	c	48	97	47	8	8	2	–	7-8	10	1500	2	3
	Aldergrove ...	33·4	−2	S'W	2	c	46	85	41	8	5	–	–	10	10	2500	1	*
19	Birr Castle ...	34·1	−4	SW	1	c	47	85	43	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	33·8	−2	S'W	4	d.d.	47	97	46	6	5	–	–	10	10	1500	1	2
	Roches Point	34·9	−4	WSW	3	c	48	85	44	8	5	–	–	9+	9+	1500	1	2

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 20th (39)	13h.–18h. 20th (40)	18h. 20th to 1h. 21st (41)	1h.–7h. 21st (42)
1	London (Kew)	o f a f w	o f f w	o f b f	b f x o F
	Croydon ...	o f o F	o F	o F b m o	b m w c f
	S. Farnborough	c m o F o m o	o m f c m	c m o f c f m b c	b c m f F c o f
	Boscombe Down	c m o m c m o	c m o c c m o	c m o	o m o m
	Thorney Island	c m o	c m o	c m c m b m o	b b c m o w o m
	Lympne ...	b c x c m	c m	c m b f f w	b m o f w
	Manston ...	c m o	o m o c m	c o F e	o F e
2	Shoeburyness ...	c m c m o	c m o b c m o		F e
	Felixstowe ...	c m x m o	c m o c m	b c m b f f w	F f w i d F e
	Gorleston ...	b z o z o	b c z o w	b m o w	c m o
	Mildenhall ...	c m	c m c m o c m	b m o c m	b m b f x
	Cranwell ...	o F b m o c m o	c m o b c m	b m o b f c f w	c f w c m o
3	Birmingham ...	o m b c c	c m	c m o	o
	Upper Heyford	c m o m m o	c m o b c m o	b m o c m	c f c m
4	Ross-on-Wye	c c m o c	c	c m o	c m o a m o
5	Hartland Point	c	c b	b b c c	c
	Bristol ...	c m o c m	c m o f c m	c m, c m o	c m o
	Portland Bill ...	b c c	c o	o	o
	Plymouth ...	c b c m o b	b	b m o	c m o x
	The Lizard ...	b c c	c b c c	c o	o c
	Scilly (St. Mary's)	c	c	c b c c	c
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead (Valley)	c d o d o m o	c d o d o c	c	c
	Chester (Sealand)	o m o c	c m o	c m o z o b	b m o b c
8	Manchester ...	F F m o	c m o c	c m o m m o	c m o
10	Spurn Head ...	b z o	b m	b c m o	o m o
	Catterick ...	b m b c m o b c	b c c m o	c b c b	c
	Tynemouth ...	b c m b c	c	c	c
11	St. Abbs Head	b c c m o	c m o c	c	o c
	Leuchars ...	c c m o	c m o i d o c	c	c
12	Renfrew (Abbots I.)	c f d o d o c	i d o b c c	c m o c m c m o	c m o
	Eskdalemuir ...	b c c o i d.	o d o f c i r.	c	c
	Point of Ayre...	d o d o c	i d o c	c	c
13A	Tiree	c i d o	c i d o c	c i d o	c d o d o
13B	Stornoway ...	c r o d o d o c	c c i d o	c d o d o	c i d o i d o
15	Dalwhinnie ...	c o	o c		c
	Aberdeen ...	b c x c y z o	c y z o	c b c z o	c z o c w
	Wick ...	c	c b c	c	c
16	Sumburgh ...	c p r o c	c i r o c	c i d o c ⊡	c i d o
17	Blacksod Point	c	d	d	d
18	Malin Head ...	d	c	c	c
	Aldergrove ...	c i d o c	c	c	c
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	p r	d	d	c
	Roches Point	c	d	d	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st February 1943.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Calm to light variable breeze; mainly cloudy, local clearances occasionally; some mist with local fog areas at night persisting locally near towns all day; mainly rather cold inland with local night frost, mainly mild on the South and West coasts.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate southwest winds, fresh at times tomorrow; mainly cloudy; rather mild.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland	Moderate to fresh southwest winds, strong at times on coast, probably gale at times locally; cloudy or dull; occasional drizzle or light rain; mild.
16 Orkneys and Shetlands ↓ 17 N.W. Ireland 18 N.E. Ireland	As 12-15
19 S.E. Ireland 20 S.W. Ireland	As 8-11

GENERAL INFERENCE

An anticyclone, presumably centred over the Continent dominates conditions over much of the British Isles where dry mainly quiet weather will continue but with considerable cloud at times with rather widespread poor visibility over the southern half of the country and some local fog. In Northern districts weather will be dull and mild with occasional drizzle especially near the North and Northwest coasts.

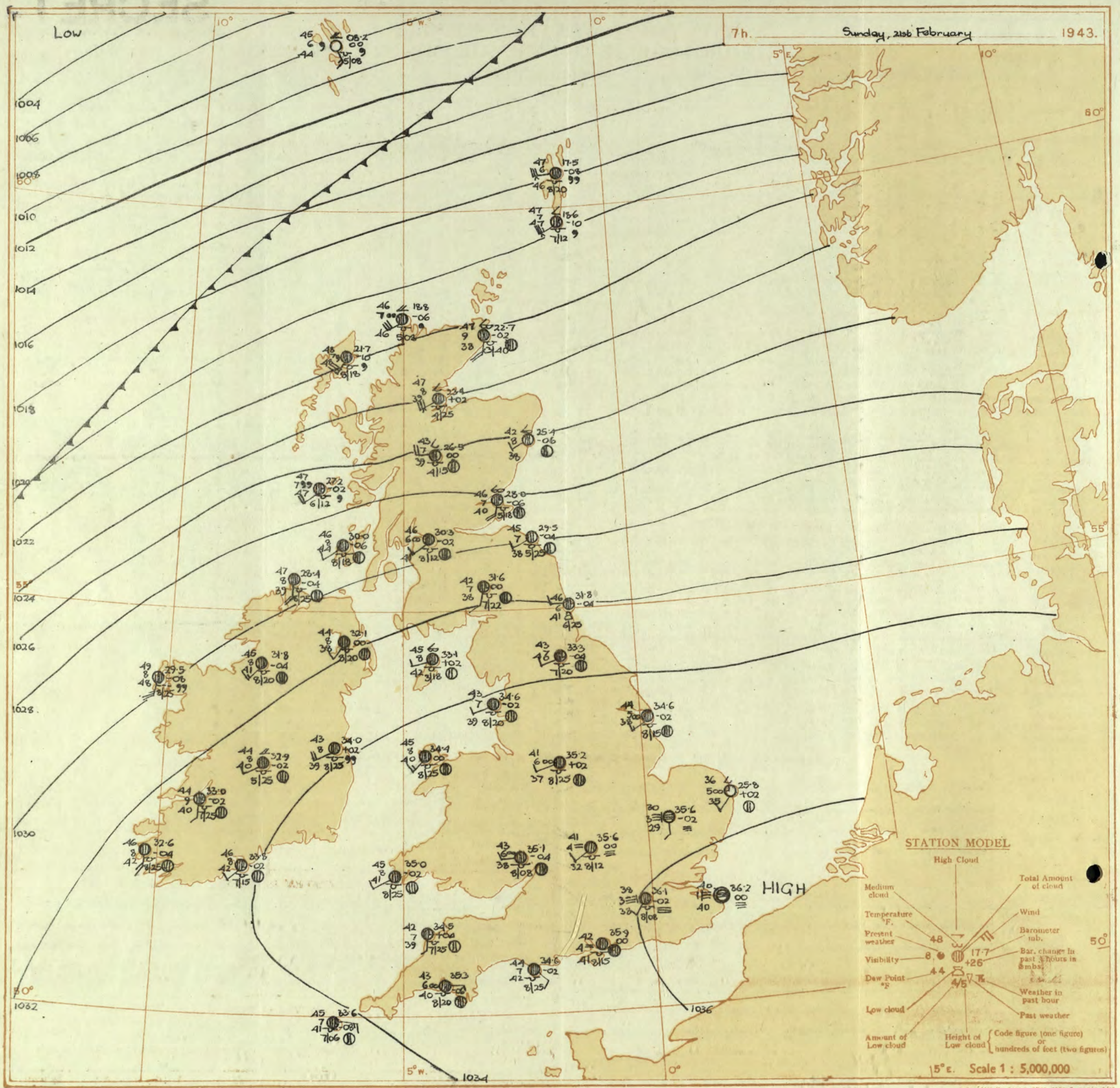
FURTHER OUTLOOK

Continuing dry and mainly quiet in many districts.

↓ Gale warning in operation in districts 13B and 16. Time of issue 1115 GMT 20th February 1943

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

Page 4.

BRITISH SECTION

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

Sunday 21st February 1943

No. 29676

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	40	*	*	*	*	*	*	*	*	*
	Croydon ...	290	37·5	+2	—	0	z_o	38	97	38	5	—	—	—	0	0	—
	S. Farnborough	226	37·0	-2	—	0	m	41	92	39	4	5	—	—	4-6	4-6	3000
	Boscombe Down	417	37·1	+2	E'S	1	z_o	44	85	40	5	5	—	—	10	10	1100
	Thorney Island	10	36·6	-4	—	0	z_o	40	92	38	5	—	—	—	0	0	—
	Lympne ...	283	37·3	-2	NNE	1	z_o	39	97	38	5	—	—	—	0	0	—
	Manston ...	154	37·2	0	—	0	F+	37	97	37	0	—	—	—	10	10	<150
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	37·3	+4	SW	1	F	37	97	37	0	—	—	—	10	10	<150
	Gorleston ...	5	36·6	0	SW	2	z_o	41	97	40	5	—	—	—	0	0	—
	Mildenhall ...	15	36·7	0	SSW	2	m	39	92	37	4	—	3	—	0	9	—
	Cranwell ...	203	35·9	-2	SSW	3	cf	40	97	39	3	—	1	—	0	10	—
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	36·4	-2	SSW	1	m	43	85	40	4	5	—	—	10	10	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	35·8	0	S	3	c	41	92	39	7	5	—	—	9+	9+	2500
	Bristol ...	209	36·7	-4	—	0	z_o	45	85	40	6	5	—	—	10	10	1500
	Portland Bill ...	32	36·3	+4	E	3	o	46	92	44	7	5	—	—	10	10	2500
	Plymouth ...	82	36·6	-2	E	1	z_o	37	97	36	5	5	—	—	7-8	7-8	4000
	The Lizard ...	240	35·6	0	E'S	4	o	46	92	44	7	5	—	—	10	10	1000
	Scilly (St. Mary's)	163	35·2	-6	E'S	3	c	46	85	42	7	5	3	—	7-8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	36·5	0	NE'E	1	c	45	92	42	8	5	—	—	10	10	2000
7	Holyhead (Valley)	32	35·1	-6	SW'S	4	c	45	85	39	8	5	3	—	1	10	2500
	Chester (Sealand)	16	35·5	-6	W	1	b	41	92	39	7	5	—	—	Tr	Tr	3600
8	Manchester ...	235	35·7	+2	SW	3	c	45	85	39	7	5	—	—	10	10	1700
10	Spurn Head ...	29	35·6	-2	SW'W	3	z_o	41	92	38	6	—	3	—	0	1	—
	Catterick ...	175	34·1	-6	W'S	2	b	43	85	38	8	5	—	—	1	1	2000
	Tynemouth ...	108	33·3	-4	W	3	c-bc	45	75	39	6	5	—	—	7-8	7-8	2500
11	St. Abbs Head	280	30·8	-2	SSW	1	c	44	85	39	7	5	—	—	10	10	2500
	Leuchars ...	36	29·1	-4	SW	4	c	46	92	44	7	5	7	—	7-8	9+	2000
12	Renfrew (Abbots I.)	19	31·3	+2	SW'W	4	z_o	46	85	42	6	5	2	—	9	10	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	34·0	0	SW	2	c	45	85	39	8	5	7	—	2-3	10	2000
13A	Tiree ...	44	28·6	-2	SSW	4	d_o d_o	47	97	46	7	5	2	—	7-8	10	1000
13B	Stornoway ...	15	23·3	0	SW	6	d_o d_o	48	97	48	7	5	—	—	9+	9+	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	27·7	-4	SW	2	c	42	92	40	8	—	7	—	0	9	—
	Wick ...	114	24·1	-4	S	2	c	44	85	39	9	5	7	—	4-6	10	3000
16	Sumburgh ...	19	20·8	-4	SW'W	7	c	47	97	47	7	6	7	7	9	10	900
17	Blacksod Point	18	30·2	-2	SSW	6	o/d	49	97	48	7	6	—	—	10	10	1500
18	Malin Head ...	84	29·6	-2	SSW	4	c	47	75	40	8	5	—	—	9+	9+	2500
	Aldergrove ...	268	32·7	-4	S	2	c	46	85	41	8	5	—	—	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	33·7	-4	S'W	4	o	47	85	43	8	5	—	—	10	10	2500
	Roches Point	22	35·1	-6	SSW	3	c	46	97	45	8	5	—	—	9	9	800

OBSERVATIONS at 7 hr. G.M.T. 21st February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
London (Kew)	36·3	0	—	0	F	35	97	35	1	—	—	—	10	10	<150	1	*	45	31	23	-	Tr	0·0
Croydon	36·1	-2	SSW	1	of	38	97	38	3	5	—	—	10	10	900	1	*	46	33	30	-	Tr	0·0
S. Farnborough	36·0	-2	—	0	of	35	97	35	2	5	—	—	10	10	800	1	*	46	29	21	—	—	0·0
Boscombe Down	35·9	-2	S	1	z_o	42	85	39	6	5	—	—	10	10	1000	0	*	48	41	41	-	-	0·0
Thorney Island	35·9	0	—	0	m	42	97	41	4	5	—	—	10	10	1500	1	*	51	36	28	-	Tr	*
Lympne	36·2	-2	SE	1	dF	40	97	40	1	5	—	—	10	10	500	1	§1	46	34	27	—	—	0·0
Manston	36·2	0	—	0	F+	40	97	40	1	—	—	—	10	10	<150	1	*	46	34	31	Tr	Tr	0·0
Shoeburyness	35·7	-6	—	0	F	38	97	38	1	—	—	—	10	10	<150	1	*	45	30	26	-	Tr	0·0
Felixstowe	35·8	-2	—	0	F+	39	97	39	1	—	—	—	10	10	<150	1	1	48	32	29	-	0·1	0·2
Gorleston	35·8	+2	SW	2	m	36	97	35	5	—	4	—	0	1	—	0	2	45	35	30	-	—	6·2
Mildenhall	35·6	-2	S'W	2	f—	30	97	29	3	—	—	—	10	10	<150	0	*	50	28	21	Tr	Tr	0·0
Cranwell	34·9	0	SW'W	3	z_o	43	85	39	6	5	—	—	10	10	2000	0	*	50	35	31	-	0·1	4·6
Birmingham	34·5	0	SW	3	o	42	85	38	6	5	—	—	10	10	1500	1	*	47	42	40	-	—	0·7
Upper Heyford	35·6	0	SW	2	m	41	92	39	4	5	—	—	10	10	1200	0	*	48	41	38	-	—	*
Ross-on-Wye	35·1	-4	W	2	z_o	43	85	38	6	5	—	—	10	10	800	1	*	51	43	41	-	—	0·8
Hartland Point	34·5	+4	S	2	c	42	92	39	7	5	—	—	9+	9+	2500	0	3	48	39	37	-	—	3·7
Bristol	36·1	-8	SW	1	z_o	43	85	39	6	5	—	—	10	10	1500	1	*	49	43	41	-	—	0·0
Portland Bill	34·6	-2	ESE	2	o	44	92	42	7	5	—	—	10	10	2500	1	3	49	42	*	-	—	*
Plymouth	35·3	-6	E	2	z_o	43	95	40	6	5	—	—	10	10	2000	1	1	54	36	29	-	—	7·1
The Lizard	34·0	-4	E	4	c-bc	45	92	43	7	2	—	—	7-8	7-8	1500	0	4	49	43	*	-	—	5·6
Scilly (St. Mary's)	33·6	-8	E'S	3	c	45	85	41	6	5	—	—	9+	9+	600	1	2	50	43	*	-	—	3·1
Guernsey																							
Pembroke	35·0	-2	SW	2	c	45	85	41	8	5	—	—	10	10	2500	0	1	48	44	*	-	—	0·0
Holyhead (Valley)	34·4	0	SW'S	3	c	45	85	40	8	5	—	—	10	10	2500	0	3	48	44	43	0·1	—	*
Chester (Sealand)	34·7	-2	—	0	b-bc	33	92	31	6	5	—	5	1	2-3	4000	3	*	50	33	25	-	-	0·0
Manchester	34·9	+2	S'W	3	z_o	41	85	38	6	5	2	—	7-8	10	1500	0	*	53	41	40	-	—	*
Spurn Head	34·6	-2	WSW	3	z_o	44	85	38	5	5	—	—	10	10	500	1	3	50	40	*	-	-	7·1
Catterick	33·3	-4	SW	2	c	43	85	40	7	5	—	—	9+	9+	2500	0	*	51	43	32	-	—	6·3
Tynemouth	31·8	-4	W	2	c	46	85	41	6	2	—	—	9	9	2500	1	3	51	43	37	-	—	*
St. Abbs Head	29·5	-4	SW	2	c-bc	45	75	38	7	5	—	—	7-8	7-8	2500	0	3	48	43	*	—	—	*
Leuchars	28·0	-6	SSW	4	c	46	85	40	7	5	7	—	7-8	9+	1800	0	*	47	44	41	Tr	Tr	1·1
Renfrew (Abbots I.)	30·3	-2	SW'W	3	z_o	46	85	41	6	5	—	—	10	10	1200	1	*	48	46	44	Tr	—	0·6
Eskdalemuir	31·6	0	SSW	2	c	42	85	39	7	5	—	—	9+	9+	2200	1	*	44	39	39	0·2	—	0·7
Point of Ayre	33·1	+2	WSW	2	c	45	85	42	8	5	7	—	2-3	10	1800	0	2	51	43	*	Tr	—	0·7
Tiree	27·2	-2	SW'S	4	d_o d_o	47	97	47	7	5	—	—	9	9	1200	1	3	49	46	44	0·4	1	0·7
Stornoway	21·7	-10	SSW	6	id_o	48	97	48	7	5	—	—	10	10	1800	1	4	49	46	27	Tr	0·3	0·1
Dalwhinnie	26·5	0	W	4	c-bc	43	95	39	7	5	4	—	4-6	7-8	1500	0	*	45	41	39	-	—	0·4
Aberdeen †	25·4	-6	SW	2	c-bc	42	85	38	8	—	7	—	0	7-8	—	1	1	50	41	33	-	—	0·6
Wick	22·7	-2	NW	4	c	47	75	38	9	5	7	—	2-3	10	4000	1	*	46	44	41	-	—	*
Sumburgh	18·6	-10	SW'W	7	id_o	47	97	47	7	5	1	—	9+	10	1200	1	4	45	45	43	Tr	Tr	0·1
Blacksod Point	29·5	-8	SSW	5	o/d	49	97	48	8	6	—	—	10	10	1500	1	4	50	48	*	0·1	1	*
Malin Head	28·4	-4	S	4	c	47	75	39	8	5	—	—	10	10	2500	1	3	49	45		-	—	0·8
Aldergrove	32·1	0	SSW	2	c	44	75	38	8	5	—	—	10	10	2000	1	*	47	43	42	Tr	—	0·0
Birr Castle	32·9	-2	SW	2	c	44	85	40	8	5	2	—	7-8	10	2500	1	*	48	43	42	-	-	0·0
Valentia Obsy.	32·6	-4	S'W	3	c	46	85	42	3	5	—	—	10	10	2500	1	2	50	46	44	0·4	Tr	0·5
Roches Point	33·8	-2	SW	2	c	46	85	42	2	5	—	—	9+	9+	1500	1	3	52	45	*	0·1	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 20th February $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st February $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	52	02767	16528	51	02766	19428	57	02754	53515	57	02744	55616
115	52	02845	53588	52	62636	53588	51	81734	87687	52	62735	87665
203							8-	81847	16727			
206	57	02863	20227	57	02964	18125	57	02864	57426	54	02864	55625
210	51	02853	17228	57	02863	20426	53	02862	21228	53	02952	54527
220	51	21735	19558	57	21735	17556				52	51726	17428
230	62	52746	18358	62	58646	20358	5-	51648	18368	5-	51648	18258
245				57	02744	20426	57	02755	20327	87	82843	20126
260	57	21755	23257	37	02755	20327	5-	02768	20328	57	02756	20328
278	5-	53728	21258	5-	02858	20328	5-	02858	14328	5-	02858	20227
279				5-	02748	22358	52	02755	20528	87	51755	19458
285	23	01744	24515	57	05625	24427						
288	05	05690	18313	5-	05658	17328	50	01851	16311	5-	02857	16327
575	5-	02848	18328	5-	02844	18326	5-	02847	20227	5-	02848	20228
301	5-	08458	22348	5-	05548	23148	5-	05658	20328	5-	02758	22228
321	00	05690	17314	00	47390	22140	53	05555	20227	5-	05557	20227
[illegible]	04	05690	22103	40	05654	24304	5-	05657	22227	5-	05658	22228
292	50	05653	19115	5-	05568	22128	50	05664	19224	5-	02748	23128
310	--	01644	26314									
614	00	43390	10140				5-	08458	24128	5-	05658	22228

III	13h. G.M.T. 20th February $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st February $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	5-	21858	18258	5-	02958	18228	5-	02868	18228	5-	02758	19228
334												
340	7-	02755	20115	5-	02858	22128	53	02757	22328	5-	05646	18326
136	03	05590	24243	00	04590	14111	00	41390	20200	--	44309	20149
336	57	02754	28328									
350	5-	05666	15126	57	08455	18127	5-	08448	18128	5-	08448	18128
368	5-	05558	26128	5-	05658	00288	5-	05658	00028	5-	05648	00028
379	5-	05635	20158	54	02645	02118	5-	05648	00028	5-	05638	18228
390	5-	08458	28148	5-	47348	00048	--	47390	00040	--	45290	18149
382	5-	05648	00028	5-	05658	00028	5-	05548	00028	5-	05648	18228
438	52	04557	08248	5-	05548	08248	--	48209	08309	--	46009	08249
430	5-	05667	10127				--	05690	04220	5-	05648	08128
409	5-	02857	14127	5A	01862	02202	5-	02648	08128	50	05643	06113

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 21st February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	ofefw	ofbf	bfxof
Croydon ...	ofoF	oFbm_o	bmucf
Greenwich ...	off	off	ofcbmxof
Camden Square	o	o	*
Kensington ...	omf	of	*
Hampstead ...	o	of	of

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. 1·5, Time 22h 20th; Min. 0·3, Time 6-7h 21st

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew ...	45	31	23	-	Tr	0·0	*	*
Croydon ...	46	33	31	-	Tr	0·0	*	*
Greenwich ...	42	32	24	-	Tr	0·0	89	95
Westminster ...	47	34	30	—			93	99
Regents Park ...								
Camden Square	45	38	27	-	-	*	*	96
Kensington ...	46	34	25	-	Tr		89	93
Hampstead ...	45	38	23	-	-		*	98

SECRET

Page 1 BRITISH SECTION

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

Monday 22nd February 1943.

No. 29677

OBSERVATIONS at 13h. G.M.T. 21st February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	35.6	-10	w	1	z.	43	85	39	5	5	-	-	10	10	2500
	Croydon	36.0	-4	-	0	z.	43	92	42	5	5	-	-	10	10	1000
	S. Farnborough	35.6	-10	SE'S	1	z.	42	92	40	5	5	-	-	10	10	1000
	Boscombe Down	35.3	-10	E	1	z.	44	85	39	6	5	-	-	9+	9+	1200
	Thorney Island	35.4	-8	E	1	z.	46	85	41	6	5	-	-	10	10	1500
	Lympne	36.2	-6	-	0	z.	40	97	39	5	5	-	-	10	10	200
	Manston	36.2	-6	-	0	m	41	92	39	4	5	-	-	10	10	500
2	Shoeburyness	35.5	-8	-	0	m	40	92	40	4	5	-	-	10	10	800
	Felixstowe	36.0	-6	-	0	m/f	42	97	42	4	-	-	-	10	10	4150
	Gorleston	36.5	-6	S'w	2	z.	41	92	39	5	5	-	-	10	10	1500
	Mildenhall	35.2	-10	SSW	3	c/f	43	85	40	5	5	-	-	10	10	1500
	Cranwell	34.0	-8	w's	3	z.	45	75	38	5	5	-	-	9	9	2500
3	Birmingham	33.8	-4	SW	2	z.	43	75	36	6	5	-	-	7-8	7-8	2500
	Upper Heyford	35.2	-12	SW	2	z.	43	85	38	6	5	-	-	9+	9+	1500
4	Ross-on-Wye	34.5	-12	W	2	z.	45	75	38	6	5	-	-	4-6	4-6	1500
5	Hartland Point	34.5	-10	NE	2	bc	44	85	40	6	4	-	-	4-6	4-6	2000
	Bristol	35.1	-14	SW	1	z.	45	75	38	6	5	-	.	9	9	1500
	Portland Bill	34.8	-6	E	2	o	46	92	44	7	5	-	-	10	10	2500
	Plymouth	34.4	-12	ESE	2	z.	50	75	44	6	-	-	-	0	0	-
	The Lizard	33.8	-2	E	4	bc	50	85	46	7	4	-	.	4-6	4-6	1500
	Scilly (St. Mary's)	33.6	-6	E's	3	c-bc	50	85	46	6	5	-	-	7-8	7-8	1200
	Guernsey															
6	Pembroke	34.4	-6	S'E	2	c	46	92	43	8	5	-	-	9+	9+	2000
7	Holyhead (Valley)	34.0	-4	SW'S	3	c	47	75	40	8	5	.	-	9+	9+	2500
	Chester (Sealand)	33.8	-10	-	0	c	51	65	40	6	5	-	-	9	9	3000
8	Manchester	34.3	-8	W	3	c	45	75	38	7	5	-	.	9+	9+	2500
10	Spurn Head	33.6	-12	WSW	3	z.	46	75	38	6	7	3	.	4-6	7-8	2800
	Catterick	31.8	-6	SW	3	c-bc	49	75	41	8	5	-	5	4-6	7-8	2500
	Tynemouth	31.0	-10	W	2	c-bc	50	75	42	6	8	-	-	7-8	7-8	1800
11	St. Abbs Head	28.6	-6	W	3	bc	47	65	35	8	5	4	-	4-6	4-6	3500
	Leuchars	27.0	-8	SW	5	z.	47	75	41	6	5	7	2	4-6	9	3500
12	Renfrew (Abbots I.)	29.9	-4	SW'S	3	c	46	85	41	8	5	-	-	10	10	1600
	Eskdalemuir	30.6	-4	Sw's	3	c	43	75	36	8	5	-	-	9+	9+	2200
	Point of Ayre	32.5	-8	W	4	c	47	75	39	8	5	-	.	10	10	4500
13A	Tiree	26.8	-6	SSW	4	c/d	48	92	46	7	5	-	-	10	10	1200
13B	Stornoway	20.8	-14	SW	6	c	51	97	50	7	5	-	8	9	10	1500
15	Dalwhinnie	26.2	-6	WSW	4	c	46	85	40	8	8	4	2	4-6	9	2500
	Aberdeen	24.6	-14	SSW	2	z.	53	65	41	6	-	9	-	0	9	-
	Wick	21.7	-6	WSW	3	c	51	75	41	9	2	7	5	1	9+	4000
16	Sumburgh	17.9	-8	Sw'w	7	c	48	97	47	7	5	7	-	9	9+	800
17	Blacksod Point	28.7	-10	SW'S	5	c	51	85	47	8	8	-	-	9+	9+	2500
18	Malin Head	28.5	-4	S'W	3	c	48	75	41	8	5	-	-	10	10	2500
	Aldergrove	31.8	-2	SSW	2	c	43	75	39	8	5	-	-	10	10	2500
19	Birr Castle	32.7	-6	SW	2	c	46	75	39	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	31.6	-8	S	4	c	49	75	42	8	5	-	-	9+	9+	2500
	Roches Point	33.1	-6	SW'S	3	c	47	85	43	8	5	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 21st February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	34.1	-6	SSE	3	z.	42	92	40	5	5	-	-	9+	9+	2500	1	*
Croydon	34.3	-6	-	0	z.	42	92	40	5	5	-	-	10	10	1500	0	*
S. Farnborough	34.1	-6	S'E	2	z.	42	85	38	5	5	-	-	10	10	1100	0	*
Boscombe Down	33.6	-6	SE	2	z.	42	92	40	5	5	-	-	9+	9+	1500	0	*
Thorney Island	34.4	-2	E'S	1	z.	44	85	39	6	5	-	-	10	10	1500	1	*
Lympne	34.7	-6	-	0	m	39	92	37	4	5	-	-	10	10	400	1	§1
Manston	34.5	-6	S'E	1	z.	39	92	37	5	5	-	-	10	10	1000	1	*
Shoeburyness	34.4	-6	SSW	1	m	40	97	39	4	5	-	-	10	10	1500	1	*
Felixstowe	34.5	-6	S'W	3	z.	41	97	40	5	5	-	-	10	10	600	0	2
Gorleston	33.6	0	S	2	z.	43	92	39	5	5	-	-	10	10	800	0	2
Mildenhall	33.4	-6	SSW	2	cf+	43	92	40	5	5	-	-	10	10	1000	0	*
Cranwell	32.4	-2	SW	1	m	39	92	37	4	-	-	-	0	0	-	0	*
Birmingham	32.1	-6	SSW	2	m	43	85	39	4	-	-	-	0	0	-	1	*
Upper Heyford	33.7	-4	SSW	1	z.	41	92	38	5	5	-	-	7-8	7-8	1800	0	*
Ross-on-Wye	32.5	-6	S'W	1	m	44	85	39	4	-	-	-	0	0	-	1	*
Hartland Point	31.7	-8	ENE	2	b	45	97	44	6	-	-	-	0	0	-	0	2
Bristol	33.6	-2	S	1	fg	43	85	39	6	-	-	-	0	0	-	1	*
Portland Bill	32.6	-12	E	2	o	45	92	43	7	5	-	-	10	10	2500	1	3
Plymouth	33.0	-2	ESE	3	z.	44	75	41	6	-	-	-	0	0	-	0	1
The Lizard	32.1	-6	E	5	bc	46	92	44	7	4	-	-	4-6	4-6	1500	0	4
Scilly (St. Mary's)	31.0	-8	E's	3	c	48	92	46	6	5	-	-	9+	9+	1200	1	3
Guernsey																	
Pembroke	32.5	-4	S'E	1	c	43	92	41	8	5	1	-	9+	10	2000	0	2
Holyhead (Valley)	31.9	-10	SW'S	3	c	46	75	39	8	5	-	-	10	10	2000	1	3
Chester (Sealand)	32.1	-6	-	0	c	45	85	39	5	5	7	-	7-8	10	3000	0	*
Manchester	32.4	-6	NE'E	1	c	44	85	40	4	5	-	-	9	9	2500	1	*
Spurn Head	31.8	-8	SSW	3	z.	43	85	38	6	7	3	.	4-6	7-8	4000	0	3
Catterick	30.7	-8	WSW	2	bc	43	85	38	8	5	-	8	1	4-6	2200	0	*
Tynemouth	29.7	0	W	3	bc	44	85	39	6	-	4	-	0	4-6	-	1	2
St. Abbs Head	27.0	-2	W	3	bc	45	65	35	7	5	4	-	4-6	4-6	3500	0	3
Leuchars	26.1	-6	SW	4	z.	46	85	40	6	5	-	-	9+	9+	3000	0	*
Renfrew (Abbots I.)	27.9	-10	SSW	3	c	46	75	40	7	6	-	-	9+	9+	2000	1	*
Eskdalemuir	29.2	-2	SW	4	c	42	85	37	8	5	-	-	10	10	1000	1	*
Point of Ayre	31.1	-12	WSW	3	c	44	85	38	8	5	-	.	10	10	4500	0	3
Tiree	25.4	-6	SSW	4	c	48	85	44	7	5	-	-	10	10	2500	1	4
Stornoway	20.0	+2	SSW	6	id.	49	97	49	6	5	-	-	9+	10	1000	1	4
Dalwhinnie	24.0	-2	WSW	4	c	43	85	39	8	5	-	2	7-8	9+	2500	0	*
Aberdeen	23.6	-4	-	0	z.	48	75	41	6	4	4	2	Tr	7-8	4000	1	1
Wick	20.5	-2	sw'w	4	c-bc	49	75	41	9	4	7	6	4-6	7-8	3000	1	*
Sumburgh	16.7	-6	WSW	6	d.d.	47	97	47	6	5	-	.	10	10	700	1	5
Blacksod Point	27.4	-6	SSW	5	c	49	85	45	8	6	-	.	10	10	1500	1	4
Malin Head	26.4	-6	S'W	4	c	48	75	41	8	5	-	.	10	10	2500	1	3
Aldergrove	29.6	-6	S	3	c	45	75	38	9	5	-	-	10	10	3500	1	*
Birr Castle	30.8	-10	SW	1	c	46	75	39	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	30.1	-10	SSE	4	c	46	85	42	8	5	-	-	9	9	2500	1	2
Roches Point	31.5	-6	SSW	2	c	46	85	42	8	5	-	.	9+	9+	1500	1	3

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.—7h. 22nd (42)
London (Kew)	offmo	ocmo	cmo	omo
Croydon	om	omocmo	omoomof	of
S. Farnborough	ofcmo	cocmo	cmo omfom	omfom
Boscombe Down	omocmo	cmo	como	omo
Thorney Island	omomo	omocmo	cmo	cmo omo
Lympne	oFefm	ocomo	omfF	oFfF
Manston	oFdom	omomo	omoFe	oFe
Shoeburyness	fecm		cm	cf
Felixstowe	Ffme	omdomcm	omcm	cmcf
Gorleston	bccmo	cmomo	cmomo	bffe
Mildenhall	ofxofmo	omom	off	ofoFof
Cranwell	cmo	cmobmobm	bmbfe	bfbF
Birmingham	ocz	bcbm	fbm	bmFe
Upper Heyford	cmomo	cmcmo	cmocmcf	of
Ross-on-Wye	ozocz o	bzo	bmcm	bczo
Hartland Point	cbc	cbcbzo	bmof	bffc
Bristol	cmo	c, bzo	bm.bf.cmo	cmo
Portland Bill	o	o	c	co
Plymouth	bmo	bmo	bmo	bmocmow
The Lizard	cbc	bcebc	cbcc	cow
Scilly (St. Mary's)	c	cbcc	c	c
Guernsey				
Pembroke	c	c	c	c
Holyhead (Valley)	c	c	c	c
Chester (Sealand)	bccmozo	cbcczo	c	bFFc
Manchester	cmo	cmocm	bccmff	cff
Spurn Head	cmo	cmo	bm	Fe
Catterick	cbcc	bc	bc	bcc
Tynemouth	c	cbc	bccm	cm
St. Abbs Head	cbc	cb	bcbbc	cbc
Leuchars	ccmo	cmo	cmo	cmoc
Renfrew (Abbots I.)	cmoc	c	cmo	cmbcmo
Eskdalemuir	c	c	c	c
Point of Ayre	c	c	c	cbx
Tiree	cd.d.drc	c	c	cid.cid.c
Stornoway	cid.moC	cid.mo	cdodomoc	cdomdd
Dalwhinnie	c	c	*	cpr.
Aberdeen	cwzo	cbczo	bczoczo	czoc
Wick	c	cbc	ccir.cror.	crorowfcdf
Sumburgh	idoc	cmodod.	cddir.	dodoirc
Blacksod Point	c	c	r	r
Malin Head	c	c	c	c
Aldergrove	c	c	c	cbcbbcc
Birr Castle	c	c	*	bc
Valentia Obsy.	c	c	c	c
Roches Point	c	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 22nd February 1943

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Light breezes mainly from between south and west; mainly rather gloomy, but clearer periods locally; some mist or fog persisting locally by day, more general in the morning; rather cold; some 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	Light to moderate southwest winds; fair; local morning mist or fog; rather cold, ground frost at night.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate southwest winds, freshening later, perhaps strong on exposed coasts; cloudy or dull; occasional drizzle today; more general rain in the west tomorrow; rather mild.
16 Orkneys and Shetlands	As 13A – 15.
17 N.W. Ireland, 18 N.E. Ireland	Light to moderate southwest winds, freshening tomorrow; cloudy, local drizzle today; more general rain spreading from the west tomorrow; rather mild.
19 S.E. Ireland, 20 S.W. Ireland	Light to moderate southeast wind; fair or fine; mainly rather cold.

GENERAL INFERENCE

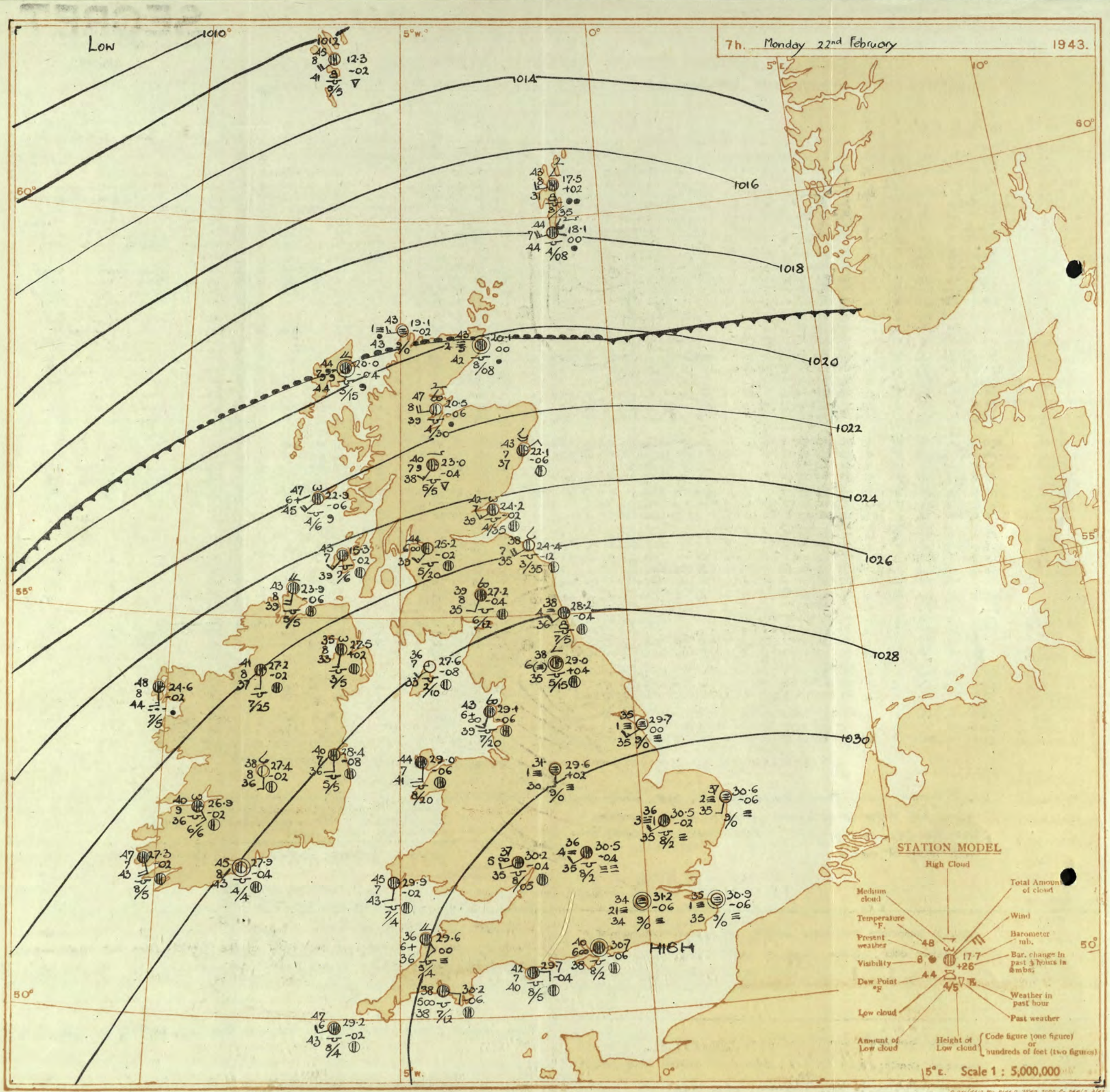
Pressure is high over the British Isles with a high pressure ridge extending northwards, and a deep depression is approaching Iceland from the southwest. Mainly dry weather will continue over most of the British Isles, but conditions are likely to be rather gloomy in the South with some further mist and fog.

FURTHER OUTLOOK

Rather unsettled and changeable in the Northwest; continuing dry elsewhere.

Forecasts issued at 10.30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

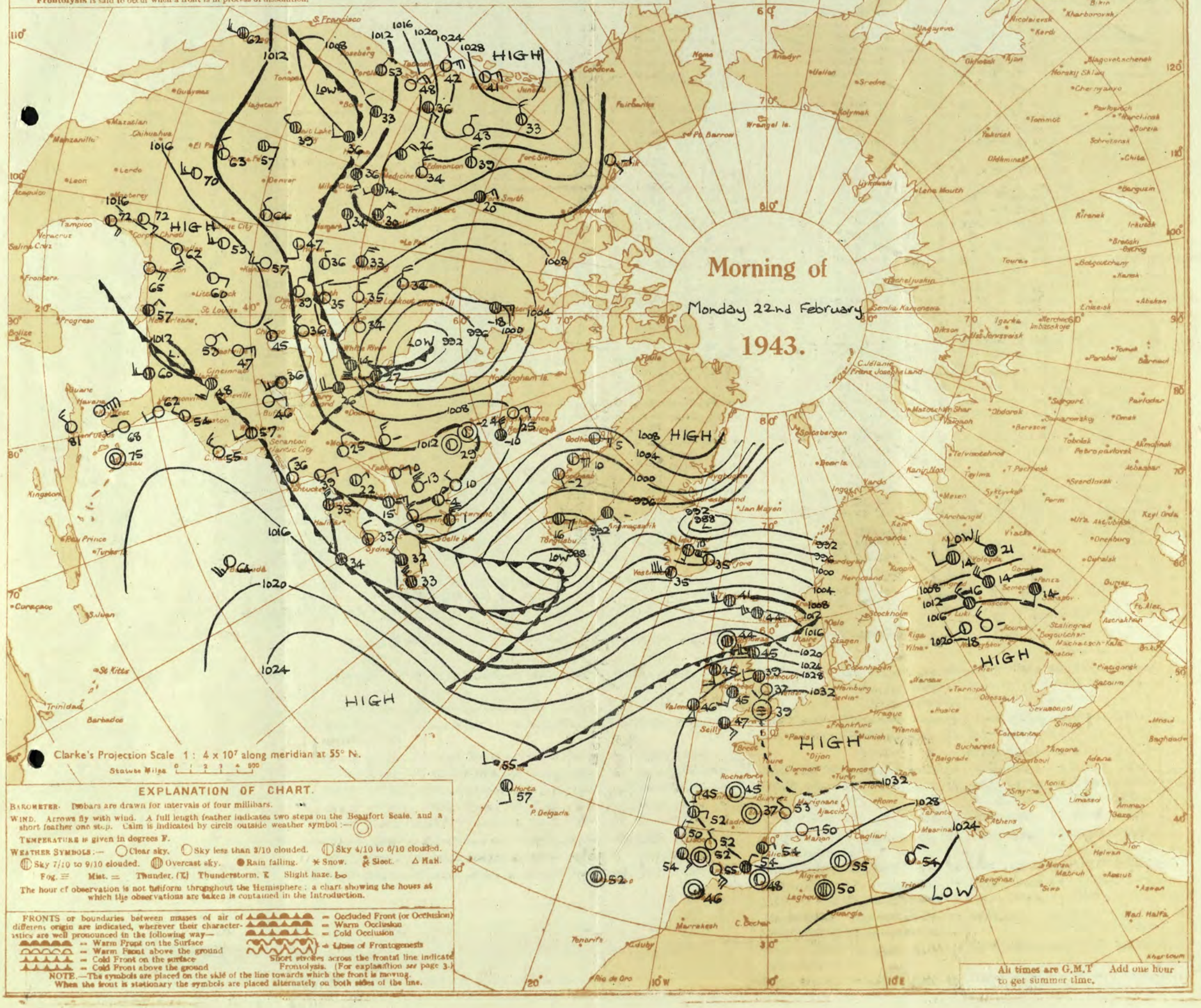
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface; but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

Page 4.

BRITISH SECTION

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

Monday 22nd February 1943

No. 29677

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon	290	33·0	-10	-	0	f+	39	97	38	3	-	-	-	10	10	<150
	S. Farnborough	226	32·8	-6	SW'W	1	~/f	38	92	36	4	5	-	-	10	10	500
	Boscombe Down	417	32·7	-8	SSE	2	z°	39	97	38	5	5	-	-	10	10	400
	Thorney Island	10	32·5	-12	ESE	1	z°	41	92	39	6	5	-	-	10	10	800
	Lympne	283	32·9	-10	SW	1	F+	38	97	37	1	-	-	-	10	10	<150
	Manston	154	32·9	-8	WSW	2	F	36	97	36	1	-	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	32·3	-10	WSW	2	m	39	97	39	4	5	-	-	10	10	1500
	Gorleston	5	32·1	-6	SW	2	z°	39	92	37	5	5	-	-	10	10	800
	Mildenhall	15	32·2	-8	SW	2	f	39	97	38	3	5	-	-	10	10	400
	Cranwell	203	30·8	-14	SW	3	bf	37	97	36	2	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	31·7	-10	SW'S	2	f	39	97	37	3	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30·6	-6	SE	3	bf+	37	97	37	3	-	-	-	0	0	-
	Bristol	209	32·4	-6	SW	1	z°	39	92	37	5	5	-	-	10	10	600
	Portland Bill	32	31·3	-10	ESE	2	c	43	97	41	7	5	-	-	10	10	2500
	Plymouth	82	31·6	-8	E	3	z°	37	97	37	5	-	-	-	0	0	*
	The Lizard	240	31·0	-8	E	5	c	45	92	41	7	5	-	-	9+	9+	1000
	Scilly (St. Mary's)	163	30·1	-8	SE'E	3	c	47	92	45	6	5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	31·3	-6	SW	1	c	45	97	45	7	5	-	-	9+	9+	1500
7	Holyhead (Valley)	32	30·6	0	SSW	3	c	45	75	38	8	5	-	-	10	10	2500
	Chester (Sealand)	16	31·0	-10	-	0	b	33	92	31	5	5	-	-	Tr	Tr	3500
8	Manchester	235	31·0	-8	S	2	cf	38	97	37	3	5	3	-	1	9	4000
10	Spurn Head	29	30·4	-14	SW'S	2	m	37	97	36	4	-	-	-	0	0	-
	Catterick	175	29·6	-6	W	1	bc	41	85	37	7	5	-	8	2-3	4-6	1200
	Tynemouth	108	29·5	-4	SW	2	m	39	92	36	4	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	25·9	-6	SSW	4	bc	41	85	35	7	4	6	-	4-6	4-6	4000
	Leuchars	36	25·1	-4	WSW	4	z°	45	85	39	6	5	3	-	4-6	9+	3000
12	Renfrew (Abbots I.)	19	26·4	-12	SSW	3	z°	45	85	40	6	5	-	-	10	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	29·7	-12	W/S	2	c	44	85	38	8	5	-	-	10	10	2500
13A	Tiree	44	24·2	-10	SW	4	c	47	92	45	7	5	-	-	9	9	3000
13B	Stornoway	15	21·2	+4	-	0	c	44	97	44	7	5	-	-	10	10	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23·8	-6	WSW	4	c	45	75	37	9	5	-	6	2-3	9	3000
	Wick	114	20·5	+6	NW	1	r°r°	46	92	44	8	5	2	-	9	10	2000
16	Sumburgh	19	18·0	+8	WSW	4	ir°	43	97	43	7	5	1	-	9	10	1500
17	Blacksod Point	18	25·8	-14	SSW	6	r°r°	47	85	43	7	6	2	-	4-6	10	1500
18	Malin Head	84	25·4	-8	S	3	c	45	85	41	8	5	-	-	9+	9+	2500
	Aldergrove	268	28·7	-10	S'W	2	c	43	75	37	8	5	-	-	9+	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·1	-18	SSE	4	c	46	75	39	8	5	-	-	9+	9+	2500
	Roches Point	22	29·5	-10	S	2	c	47	85	43	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 22nd February — PAST 24 HOURS

Stations	Barom at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 21st Hrs. (38)
London (Kew)	30·9	-8	WSW	1	z°	37	92	34	5	5	-	-	10	10	2500	1	*	44	37	35	-	-	0·0
Croydon	31·2	-6	-	0	f+	34	97	34	2	-	-	-	10	10	<150	0	*	45	33	33	-	-	0·0
S. Farnborough	30·9	-6	S'W	1	~/f	36	92	34	4	5	-	-	10	10	400	1	*	43	35	35	-	-	0·0
Boscombe Down	30·6	-6	S'W	1	z°	37	97	37	5	5	-	-	10	10	200	0	*	45	37	37	-	-	0·0
Thorney Island	30·7	-6	-	0	z°	40	92	38	6	5	-	-	10	10	450	1	*	48	39	39	-	-	*
Lympne	31·2	-6	SW	1	F	35	97	35	1	-	-	-	10	10	<150	1	§ *	40	35	35	Tr	-	0·0
Manston	30·9	-6	-	0	F	35	97	35	1	-	-	-	10	10	<150	1	*	41	35	35	Tr	Tr	0·0
Shoeburyness	31·3	-20	-	0	cf+	36	97	34	3	-	2	-	0	10	-	1	*	42	35	35	0·1	-	0·0
Felixstowe	30·9	-6	S'W	2	cf	36	97	35	2	5	-	-	10	10	450	0	2	42	36	36	-	-	0·0
Gorleston	30·6	-6	SSW	1	f	37	92	35	2	-	-	-	10	10	<150	0	2	44	37	35	-	-	1·0
Mildenhall	30·5	-2	SW	2	cf	36	97	35	3	5	-	-	10	10	450	0	*	48	35	35	Tr	-	0·3
Cranwell	30·0	-2	SW	3	F	37	97	37	1	-	-	-	10	10	<150	1	*	47	31	22	*	Tr	3·3
Birmingham	29·7	-8	WSW	2	F	36	97	35	1	-	-	-	10	10	<150	1	*	47	36	29	-	0·1	3·8
Upper Heyford	30·5	-4	SW	2	~/f	36	97	35	4	5	-	-	10	10	450	0	*	45	36	*	-	-	*
Ross-on-Wye	30·2	-4	WSW	1	z°	37	92	35	5	5	-	-	10	10	500	1	*	50	37	27	-	-	3·8
Hartland Point	29·6	0	SE	1	c	36	97	36	6	5	2	-	7-8	10	1500	1	2	48	32	32	-	-	5·2
Bristol	30·7	-4	S'W	2	z°	40	92	38	6	5	-	-	10	10	800	1	*	48	38	32	-	-	3·1
Portland Bill	29·7	-4	E	2	o	42	92	40	7	5	-	-	10	10	2500	1	3	48	42	*	-	-	*
Plymouth	30·2	-6	E	2	z°	38	97	33	5	5	-	-	9+	9+	1200	0	1	50	34	20	-	-	8·5
The Lizard	29·6	-2	SSE	2	o	45	92	43	7	5	-	-	10	10	1000	1	3	51	43	*	-	-	7·2
Scilly (St. Mary's)	29·2	-2	WSW	2	c	47	85	43	6	5	-	-	10	10	1500	1	2	52	47	*	-	-	5·9
Guernsey																							
Pembroke	29·9	-2	S'W	2	c	45	92	43	7	5	-	-	9+	9+	1500	0	2	47	41		-	-	0·0
Holyhead (Valley)	29·0	-6	S	3	c	44	85	41	7	5	-	-	10	10	2000	1	3	47	43	42	-	-	*
Chester (Sealand)	29·8	-2	WSW	2	c	39	92	36	6	5	-	-	10	10	3000	0	*	51	29	22	-	-	2·5
Manchester	29·2	-6	S	2	cf	36	97	36	3	5	-	-	10	10	1500	1	*	46	35	28	-	-	*
Spurn Head	29·7	0	SW'W	3	F	35	97	35	1	-	-	-	10	10	<150	1	3	48	34	*	-	-	3·4
Catterick	29·0	+4	-	0	cjf	38	92	35	6	5	1	-	7-8	9+	1500	0	*	50	36	28	-	-	7·3
Tynemouth	28·2	-4	SW	2	m	38	92	36	4	8	-	-	9+	9+	2500	1	2	51	37	34	-	-	*
St. Abbs Head	24·4	-12	SW	4	bc	38	92	35	7	5	4	-	2-3	4-6	3500	0	3	48	37		-	-	
Leuchars	24·2	-2	SW	3	c-bc	42	92	39	7	5	3	-	4-6	7-8	3500	0	*	49	42	38	-	-	2·4
Renfrew (Abbots I.)	25·2	-2	SSW	3	z°	44	85	39	6	5	-	-	7-8	7-8	2000	1	*	47	43	41	-	-	0·0
Eskdalemuir	27·2	-4	S'W	2	c	39	85	35	8	5	7	-	9	10	1200	1	*	44	38	37	-	-	0·0
Point of Ayre	27·6	-8	SW	2	b	36	92	33	7	5	-	-	1	1	1000	0	2	47	35	*	-	-	0·0
Tiree	22·9	-6	SW	4	c-bc	47	92	45	6	5	3	-	4-6	7-8	3000	1	3	49	46	45	0·2	Tr	0·0
Stornoway	20·0	-4	-	0	dd	44	97	44	7	5	2	-	2-3	10	1500	1	1	51	43	42	Tr	3	0·1
Dalwhinnie	23·0	-4	SSW	3	id°	40	92	38	7	5	-	8	7-8	9+	2500	1	*	47	39	36	-	0·5	2·1
Aberdeen †	22·1	-6	NE	1	c	43	85	37	7	-	9	-	0	9	-	1	1	53	42	31	-	-	1·8
Wick	20·1	0	-	0	df	43	92	42	2	5	-	-	10	10	800	2	*	51	43	42	-	3	*
Sumburgh	18·1	0	WSW	5	c	44	97	44	7	5	4	7	4-6	10	800	1	4	48	43	40	Tr	4	0·0
Blacksod Point	24·6	-2	S'E	3	c	48	85	44	8	6	-	-	9+	9+	2500	1	3	51	45	*	Tr	2	
Malin Head	23·9	-6	S	4	c	43	85	39	8	5	2	-	7-8	10	2500	1	3	49	42		-	-	0·1
Aldergrove	27·5	+2	S	1	c-bc	35	92	33	8	5	3	-	2-3	7-8	2500	1	*	47	34	29	-	-	0·0
Birr Castle	27·4	-2	S	1	b-bc	38	92	36	8	-	4	-	0	2-3	-	1	*	47	36	30	-	-	0·0
Valentia Obsy.	27·3	-2	SSE	4	c	47	85	43	7	5	-	-	10	10	2500	1	3	49	45	40	-	-	0·1
Roches Point	27·9	-4	-	0	bc	45	92	43	8	5	-	-	4-6	4-6	1500	1	3	49	45	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 22nd February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02864	21526	57	02858	19426	02	52658	26358	52	62548	17358
115	5-	67109	87659				--	67109	24459	--	67109	24369
203							5-	03848	20528			
206	87	02963	20426	5-	02957	22427	67	62654	22466	57	01864	22464
210	57	02962	20527	5-	02964	19315	53	02864	19325	53	02962	19313
220	51	51625	17458	62	58616	20658						
230	5-	21845	18357	5-	02847	18328	5-	02758	18358	52	22746	20368
245	57	02961	20417	50	02963	22314	53	02963	25117	54	01751	22214
260	5-	02868	20428	5-	02766	20326				57	02744	20326
278	5-	02858	18228	5-	02858	20228	52	02857	18228	50	02865	21215
279	5-	02858	21328	5-	02968	20328	52	02756	21428	53	02964	18225
285										50	01744	24214
288	50	01863	18414	04	01830	19223	50	01751	17214	57	05664	23217
575	5-	02848	18128	52	02847	18228	5-	02865	18125	5-	02857	16127
301	5-	05658	19328	5-	05658	24228	5-	05658	22328	57	05657	18328
321	00	05590	18220	00	47290	00040	00	45290	00040	--	46109	16149
[illegible]	5-	05645	22225				00	05690	22200	50	05652	22202
292	50	02745	22325	50	02744	21225	07	05690	18112	5-	45367	12147
310										--	02638	24368
614	50	05654	20214	00	08430	21200	00	47190	22240	--	44009	00049
333	5-	02858	16228	5-	02858	17328	5-	05648	20128	5-	05658	18128
334												
340				00	05690	16113	00	44490	00040	5-	45238	20148
136	5-	08438	20248	5-	05538	20228	5-	47328	20328	--	48109	20249
336										--	46209	20349
350	5-	05648	18128	5-	05548	20228	5-	08428	18128	--	48309	22229
368	5-	05547	14127	00	05590	12100	5-	05548	14128	5-	05647	16127
379	5-	05645	20225	00	08490	20200	5-	47338	22328	5-	45228	24248
390	5-	41434	18148	--	48209	14149	--	44309	20149	--	46309	20149
382	5-	05538	00028	53	05556	17227	5-	08438	19228	5-	08428	20128
438	5-	08448	08228	5-	08438	08228	--	46009	08249	--	46009	16249
430	5-	05548	06228	5-	05548	14226	5-	08438	08128	5-	05528	12128
409	50	05642	12322	50	05653	13303	00	05590	10300	5-	05647	12118

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	off m°	ocm°	cm°
Croydon	om	om°cm°	cm°om°f
Greenwich	off	off	off
Camden Square	o	o	*
Kensington	om	omc	*
Hampstead	of	of	of

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: 1·2 Max. Time 11h 21st; <0·1 Min. Time 24h 21st

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	44	37	35	-	-	0·0	*	*
Croydon	45	33	33	-	-	0·0	*	*
Greenwich	45	35	35	-	-	0·0	85	95
Westminster	45	36	36		-		91	93
Regents Park	42	36	36	-	-		79	91
Camden Square	43	36	36	-	-	*	*	94
Kensington	45	35	34	Tr	-		94	90
Hampstead	42	33	30	-	-		*	99

BRITISH SECTION

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

SECRET

Tuesday, 23rd February 1943.

No. 29678

OBSERVATIONS at 13h. G.M.T. 22nd February

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	30·1	-10	WN	2	m	38	92	34	4	5	-	-	10	10	2500
	Croydon ...	30·5	-12	W	1	m	38	97	37	4	5	-	-	10	10	400
	S. Farnborough	30·6	-10	W	1	z	39	92	36	5	5	-	-	10	10	800
	Boscombe Down	30·2	-8	-	0	z	40	92	38	6	5	-	-	10	10	800
	Thorney Island	30·2	-10	-	0	z	43	85	39	6	5	-	-	10	10	800
	Lympne ...	30·9	-10	WNW	2	z	37	97	37	5	5	-	-	10	10	300
	Manston ...	30·4	-10	-	0	m	37	92	35	4	5	-	-	10	10	400
2	Shoeburyness ...	30·6	-6	W	1	m	36	92	33	4	5	-	-	10	10	800
	Felixstowe ...	30·5	-6	SW	2	of	37	92	35	3	6	-	-	10	10	400
	Gorleston ...	29·7	-8	NW	1	f	37	92	34	3	-	-	-	10	10	<150
	Mildenhall ...	30·0	-8	SW'S	2	m	38	85	35	4	5	-	-	10	10	800
	Cranwell ...	29·5	-6	WSW	3	m	41	92	38	4	5	-	-	10	10	1000
3	Birmingham ...	30·2	0	W	2	z	38	92	36	5	5	-	-	10	10	2500
	Upper Heyford	30·2	-8	WNW	1	z	38	92	35	5	5	-	-	10	10	500
4	Ross-on-Wye	29·9	-10	W'S	1	z	40	85	35	6	5	-	-	10	10	800
5	Hartland Point	29·3	-6	SSE	1	c	45	85	40	7	5	-	-	9	9	2500
	Bristol ...	30·6	-10	WSW	1	z	42	85	38	6	5	-	-	9+	9+	1500
	Portland Bill ...	29·6	-4	S	2	o	44	92	42	7	5	-	-	10	10	2500
	Plymouth ...	30·2	-4	ENE	1	z	45	85	42	6	5	-	-	10	10	1500
	The Lizard ...	29·8	0	SSE	3	o	47	85	43	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	29·5	-2	-	0	c	52	65	40	7	5	-	-	7-8	9+	1200
	Guernsey ...															
6	Pembroke ...	29·2	-6	S	4	z	44	97	44	6	5	2	-	10	10	2000
7	Holyhead (Valley)	28·3	-6	SW	3	z	47	85	43	6	5	-	-	10	10	2500
	Chester (Sealand)	28·8	-10	SSE	1	c	44	75	37	5	5	2	-	9	10	2500
8	Manchester ...	29·0	-10	S	3	z	43	85	38	6	5	-	-	9+	9+	2000
10	Spurn Head ...	29·1	-4	WSW	3	z	44	75	38	6	7	3	-	4-6	9+	2500
	Catterick ...	27·8	-8	WSW	3	z	46	65	37	6	5	3	-	7-8	9	2300
	Tynemouth ...	27·7	-10	WNW	3	c-bc	46	65	36	7	8	3	-	7-8	7-8	2500
11	St. Abbs Head	24·9	-6	SW	4	bc	49	75	38	7	5	4	-	2-3	4-6	3500
	Leuchars ...	23·3	-8	WSW	4	z	46	85	43	6	5	2	2	4-6	9	3000
12	Renfrew (Abbots I.)	24·8	-8	SSW	3	z	46	85	41	6	5	3	-	9	9+	1200
	Eskdalemuir ...	26·0	-6	SSW	4	c	42	75	34	8	5	-	-	9	9	1800
	Point of Ayre...	26·7	-6	W	4	b	51	65	41	8	1	-	-	1	1	3000
13A	Tiree	22·6	-2	SW'S	4	s/d	47	97	45	6	5	7	-	7-8	10	2000
13B	Stornoway ...	19·3	-6	-	0	r	45	97	45	6	5	2	-	4-6	10	800
15	Dalwhinnie ...	22·0	+2	SSW	3	c	45	85	41	7	5	-	8	7-8	9+	2500
	Aberdeen ...	21·4	-12	WSW	2	c	55	55	38	8	-	3	7	0	10	-
	Wick ...	19·9	-4	WSW	1	d	47	97	46	6	5	2	-	4-6	10	600
16	Sumburgh	18·5	-2	SW'W	4	c	44	97	44	7	5	1	-	4-6	9	2000
17	Blacksod Point	24·4	-10	S	3	c-bc	52	75	45	8	5	3	-	4-6	7-8	2500
18	Malin Head ...	23·5	-6	S'W	3	c-bc	49	75	42	8	5	-	8	4-6	7-8	2500
	Aldergrove ...	26·0	-10	SSW	3	s/d	47	75	40	6	5	7	-	4-6	9+	3000
19	Birr Castle ...	26·9	-6	SW	2	c	49	75	42	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	27·1	-2	SW'S	3	c	52	75	45	8	8	-	-	9	9	2500
	Roches Point	28·1	-2	W	1	bc	51	85	47	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 22nd February

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	29·8	+2	NW	1	z	39	85	35	5	4	-	-	10	10	2500	1	*
	Croydon ...	29·9	+2	WSW	1	m	37	97	36	4	5	-	-	10	10	500	0	*
	S. Farnborough	29·7	+2	WNW	3	z	39	85	35	5	5	-	-	10	10	800	0	*
	Boscombe Down	29·8	+4	-	0	z	39	92	37	6	5	-	-	10	10	800	0	*
	Thorney Island	29·5	0	-	0	m	42	85	37	4	5	-	-	10	10	800	0	*
	Lympne ...	29·7	+2	WSW	2	z	38	92	36	5	5	-	-	10	10	500	1	§1
	Manston ...	29·3	-2	W'N	1	z	38	92	36	5	5	-	-	10	10	500	1	*
2	Shoeburyness ...	29·7	+2	WNW	1	f	38	92	36	2	-	-	-	10	10	<150	1	*
	Felixstowe ...	29·5	+2	WNW	1	m	37	92	34	4	5	-	-	10	10	500	0	1
	Gorleston ...	28·7	0	WSW	2	z	37	92	34	5	5	-	-	10	10	600	0	2
	Mildenhall ...	29·2	+2	WSW	1	m	38	85	35	4	5	-	-	10	10	700	0	*
	Cranwell ...	28·1	0	WSW	2	bf	35	92	34	3	-	-	-	0	0	-	0	*
3	Birmingham ...	28·9	-4	S	2	z	41	85	37	5	5	-	-	10	10	800	1	*
	Upper Heyford	29·4	+2	WSW	1	m	37	97	35	4	5	-	-	10	10	500	0	*
4	Ross-on-Wye	28·8	-8	SSW	1	z	39	85	35	5	5	-	-	9+	9+	2500	1	*
5	Hartland Point	28·4	-2	SSE	2	c	44	85	40	6	5	-	-	9+	9+	1500	0	2
	Bristol ...	29·7	+2	SSE	1	m	40	92	38	4	5	-	-	10	10	1500	1	*
	Portland Bill ...	28·9	-4	WSW	2	o	44	92	42	7	5	-	-	10	10	2500	1	3
	Plymouth ...	29·4	-2	E	1	z	44	85	40	6	5	-	-	10	10	1500	0	1
	The Lizard ...	28·8	0	SSE	2	o	46	85	42	6	5	-	-	10	10	2000	0	3
	Scilly (St. Mary's)	29·0	+2	WSW	1	c	48	75	39	7	5	-	-	10	10	1200	1	2
	Guernsey ...																	
6	Pembroke ...	27·3	-8	SW'S	2	bc	40	97	37	7	2	4	-	2-3	4-6	2500	0	2
7	Holyhead (Valley)	27·3	-2	SSW	2	z	44	97	43	6	-	4	-	0	Tr	-	1	1
	Chester (Sealand)	27·2	+6	-	0	c	45	85	40	5	5	-	-	9+	9+	2500	0	*
8	Manchester ...	27·6	-2	S	2	z	43	92	41	6	5	-	-	10	10	2500	0	*
10	Spurn Head ...	28·3	-6	SW	3	z	41	85	37	5	*	-	-	0	0	-	0	3
	Catterick ...	27·1	0	W'N	1	z	44	75	37	6	5	-	-	7-8	7-8	2500	0	*
	Tynemouth ...	25·8	-4	W	3	bc	44	75	37	6	-	3	1	0	4-6	-	1	2
11	St. Abbs Head	22·9	0	SW	4	b-bc	44	75	37	7	5	4	-	2-3	2-3	3500	0	3
	Leuchars ...	22·7	-4	WSW	3	z	44	92	41	6	5	4	8	4-6	9	3000	0	*
12	Renfrew (Abbots I.)	23·7	-4	SW'S	2	z	46	85	42	6	5	3	2	4-6	9	4000	1	*
	Eskdalemuir ...	25·2	0	S'W	2	c	42	85	38	6	5	2	-	4-6	9+	2200	1	*
	Point of Ayre...	25·4	-6	WSW	2	b-bc	45	75	38	8	5	-	-	1	2-3	2500	0	2
13A	Tiree	21·4	-4	WSW	4	pr	47	97	46	6	8	7	-	9	9+	1200	1	3
13B	Stornoway ...	18·0	-8	SSW	5	r	47	97	47	6	5	2	-	9	10	1000	1	3
15	Dalwhinnie ...	21·0	-2	SSW	2	c	42	85	38	8	5	-	-	9	9	2500	0	*
	Aberdeen ...	21·2	+2	WNW	2	z	50	65	39	6	-	3	1	0	4-6	-	1	*
	Wick ...	19·2	-6	SSW	3	c	46	85	43	9	8	7	-	7-8	10	2000	1	*
16	Sumburgh	18·0	-4	SW'W	3	bc/pr	45	97	44	8	2	7	-	1	4-6	2000	1	4
17	Blacksod Point	23·4	-2	SW	3	s/d	49	97	48	7	6	-	-	9+	9+	1500	1	3
18	Malin Head ...	22·7	-2	SSW	3	s/r	49	75	42	8	5	2	-	7-8	10	2500	1	3
	Aldergrove ...	25·3	+2	S'E	1	c	46	85	41	7	5	7	-	7-8	9	3000	1	*
19	Birr Castle ...	25·9	-4	SW	1	bc	48	85	44	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	26·7	0	S'W	2	c	51	75	44	8	2	3	-	7-8	9+	1500	1	2
	Roches Point	27·2	-2	W'S	2	c	49	85	45	8	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 22nd (39)	Weather. 13h.—18h. 22nd (40)	Weather. 18h. 22nd to 1h. 23rd (41)	Weather. 1h.—7h. 23rd (42)
1	London (Kew)	cbmom	omom	om	om
	Croydon ...	ofom	om	omof	
	S. Farnborough	om	om	omm	ommo
	Boscombe Down	omfgom	om	omo	omcmo
	Thorney Island	om	omcm	om	omomo
	Lympne ...	oFFm	com	omo	omo
	Manston ...	ofom	omom	of	ofe
2	Shoeburyness ...	ofom	omf	ofmc	cmo
	Felixstowe ...	ofomof	ofom	om	omoidmom
	Gorleston ...	off	ofm	cmo	omo
	Mildenhall ...	ofom	om	omofbf	bfofoFw
	Cranwell ...	emcm	cmmbf	bfof	
3	Birmingham ...	Fdoz	oz	ozcm	cbm
	Upper Heyford	omom	omom	omof	oFbFoF
4	Ross-on-Wye	om	omczbz	cmo	cmobcmo
5	Hartland Point	cm	cbbc	c	c
	Bristol ...	cm	cm	cmbmcm	cm
	Portland Bill ...	co	oo	o	o
	Plymouth ...	cm	cm	cmo	cmo
	The Lizard ...	o	o	o	o
	Scilly (St. Mary's)	c	c	cbcb	c
	Guernsey ...				
6	Pembroke ...	cm	cbc	bbcbw	bc
7	Holyhead (Valley)	cm	obm	bwcmo	cmo
	Chester (Sealand)	cm	cmz	cmob	bmxbc
8	Manchester ...	cfm	emczcm	cbcmoz	bbcm
10	Spurn Head ...	cm	bm	bmo	wbm
	Catterick ...	bcm	cc	bcmbm	bmcfoF
	Tynemouth ...	bcmc	cbc	bcb	bbc
11	St. Abbs Head	bbc	bc	bcb	bbc
	Leuchars ...	cmpccm	cm	bcmcbcmo	cmbcmc
12	Renfrew (Abbots I.)	cmrrir	czcm	cmoir	cmrrgmo
	Eskdalemuir ...	c	cm	cmo	cmoofe
	Point of Ayre...	cb	cb	b	bbccw
13A	Tiree	cmid	cicedpr	prc	c
13B	Stornoway ...	cddm	crrm	crrmc	cirir
15	Dalwhinnie ...	c	c		cido
	Aberdeen ...	cwczc	cybcz	bczbcw	bcwzo
	Wick ...	crrm	crcrrc	cidcbc	bcc
16	Sumburgh	circ	ccprbc	circ	cidtrc
17	Blacksod Point	c	d	d	c
18	Malin Head ...	r	r	d	r
	Aldergrove ...	cbcidm	cmbcc	c	cprcmo
19	Birr Castle ...	c	bc		c
20	Valentia Obsy.	r	bc	c	r
	Roches Point	bc	c	d	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 23rd February 1943

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Light variable or southwest wind, mainly cloudy; bright intervals locally, local fog, rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light or moderate southwest wind, mainly cloudy; occasional light rain later; becoming milder.
13A W. Scotland ... 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland ↓	Moderate or fresh southwest wind, strong to gale locally on coasts; cloudy, occasional rain, mild.
16 Orkneys and Shetlands ↓	As 13A – 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light or moderate southwest wind, fresh locally; cloudy; occasional light rain; mild

GENERAL INFERENCE

A deep depression north of Iceland is moving northeast, and associated fronts will affect northern districts of the British Isles. In the South and Midlands weather will be dry with bright intervals locally. In the North there will be occasional rain.

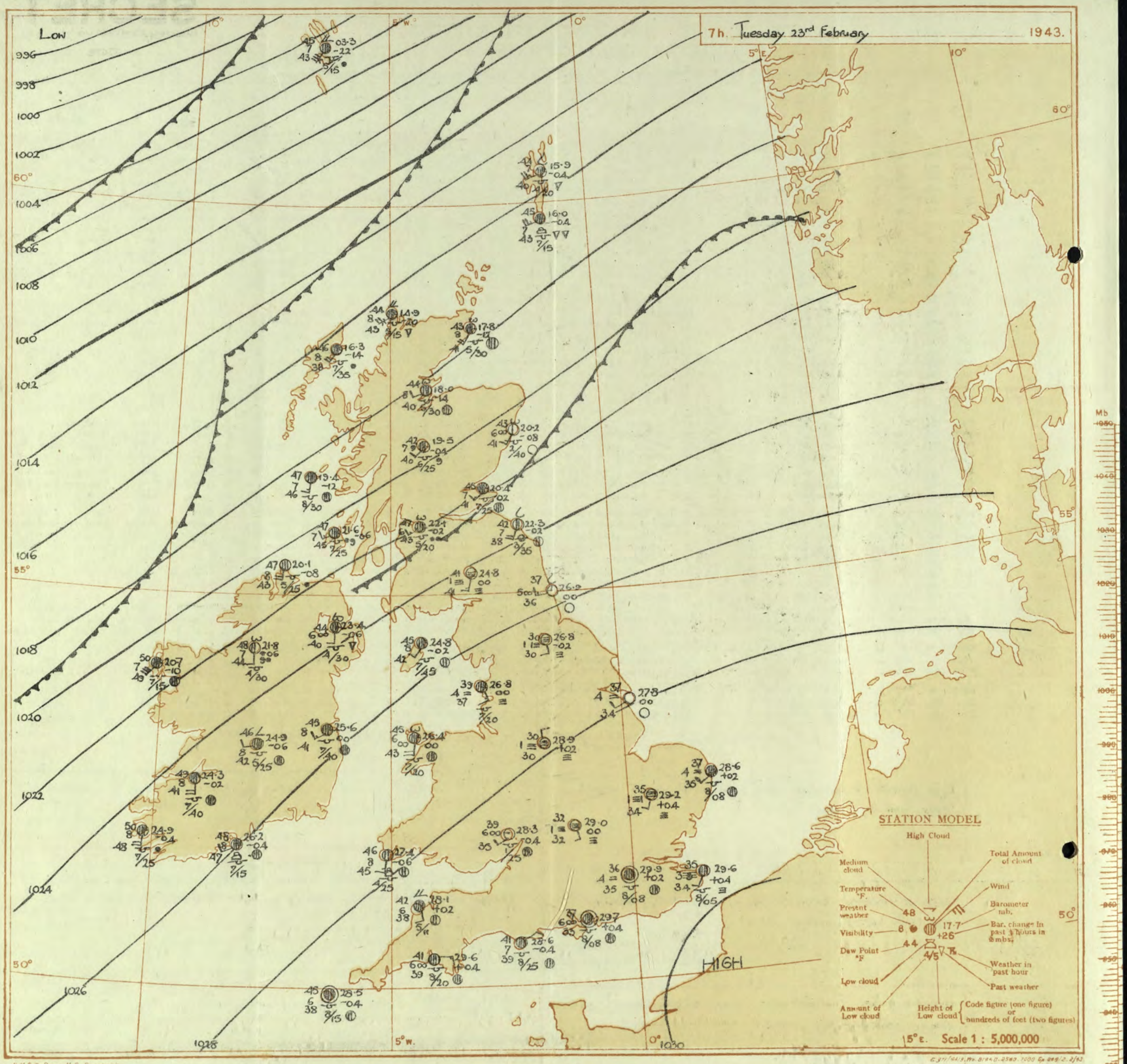
FURTHER OUTLOOK

Little change

↓ Gale warning in operation in districts 13B, 15, 16 Issued at 14.40 G.M.T. 22nd Feb 1943

Forecasts issued at 10.30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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.

FRONTS : or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Tuesday, 23rd February 1943

No. 29678

OBSERVATIONS at 1 hr. G.M.T. 23rd February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon	290	29·9	-6	W	1	of	37	97	36	3	5	-	-	10	10	600
	S. Farnborough	226	29·9	-4	W	1	m	37	92	35	4	5	-	-	10	10	800
	Boscombe Down	417	30·0	-2	—	0	z0	38	92	35	5	5	-	-	10	10	900
	Thorney Island	10	39·7	0	—	0	m	39	92	36	4	5	-	-	10	10	700
	Lympne	283	30·1	-2	WNW	2	z0	37	92	35	5	5	-	-	10	10	500
	Manston	154	29·6	-2	WSW	1	of+	36	92	33	2	5	-	-	10	10	500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	30·0	+2	W'N	2	m	36	92	34	4	5	—	—	10	10	800
	Gorleston	5	28·6	-4	—	0	z0	38	92	35	5	5	-	-	10	10	800
	Mildenhall	15	28·9	-4	SW'S	2	bf	34	97	33	3	-	-	-	0	0	-
	Cranwell	203	28·5	-2	WSW	3	cf	37	92	35	3	5	7	-	4-6	9	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	29·6	-2	SW	2	F+	34	97	34	1	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·8	0	SSE	3	c	44	85	39	6	5	2	1	9	10	1500
	Bristol	209	30·3	+2	—	0	m	39	92	37	4	5	-	-	10	10	2100
	Portland Bill	32	29·5	+2	SW	1	o	42	92	39	7	5	-	-	10	10	2500
	Plymouth	82	30·2	0	SE	2	z0	42	85	38	6	5	-	-	10	10	2000
	The Lizard	240	29·4	-2	SSE	1	o	45	85	40	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	29·2	-2	—	0	z0	44	85	39	6	5	-	-	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	28·8	+2	SSW	2	b	46	97	46	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	27·5	-2	S	4	z0	45	92	43	6	5	-	-	10	10	2500
	Chester (Sealand)	16	28·1	+2	—	0	z0	35	92	35	5	-	-	-	0	0	-
8	Manchester	235	28·1	-2	SSE	3	m	39	92	37	4	-	-	-	0	0	-
10	Spurn Head	29	21·8	-4	WSW	3	z0	39	85	34	5	-	-	-	0	0	-
	Catterick	175	27·3	-2	—	0	m	37	97	36	4	-	-	-	0	0	-
	Tynemouth	108	25·6	0	W	3	z0	39	92	36	6	-	-	-	0	0	-
11	St. Abbs Head	280	23·5	0	SW	4	b-bc	41	92	38	7	4	4	-	2-3	2-3	4000
	Leuchars	36	23·0	-2	SSW	1	z0	44	92	42	5	8	1	-	4-6	7-8	3500
12	Renfrew (Abbots I.)	19	23·6	-2	SSW	2	c/r	46	85	42	5	5	7	-	7-8	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	25·9	0	W'S	3	b	42	92	40	8	5	7	3	Tr	Tr	2000
13A	Tiree	44	21·9	-6	SSW	2	c	45	97	44	7	5	-	-	9+	9+	2900
13B	Stornoway	15	19·3	0	SSW	3	c	45	92	43	8	5	3	-	7-8	9+	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	21·9	+4	WSW	3	c-bc	45	75	39	9	-	3	-	0	7-8	-
	Wick	114	20·5	+14	SW	3	bc	43	85	40	8	5	7	-	4-6	4-6	2500
16	Sumburgh	19	17·1	-2	SW	4	c/r	45	97	45	7	6	-	-	9+	9+	2000
17	Blacksod Point	18	23·3	-2	WSW	2	c/d	49	97	48	7	6	-	-	9+	9+	1500
18	Malin Head	84	22·2	-4	S'W	3	ir	47	85	43	8	5	2	-	7-8	10	2500
	Aldergrove	268	25·2	-2	S	2	c	46	85	41	7	5	3	-	4-6	9+	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·4	-6	S'E	4	c	49	92	47	8	5	-	-	9+	9+	2500
	Roches Point	22	27·4	-4	SW'W	3	c	49	97	48	8	3	-	-	9	10	1500

OBSERVATIONS at 7 hr. G.M.T. 23rd February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
London (Kew)	25·5	+2	—	0	z0	38	92	35	5	5	-	-	10	10	2500	1	*	40	37	36	-	-	0·0
Croydon	29·9	+2	—	0	m	36	97	35	4	5	-	-	10	10	800	0	*	39	35	35	-	-	0·0
S. Farnborough	29·7	0	—	0	z0	37	92	34	5	5	-	-	10	10	800	1	*	40	36	35	-	-	0·0
Boscombe Down	29·4	-2	—	0	z0	37	97	36	5	5	-	-	10	10	1200	0	*	41	36	36	-	-	0·0
Thorney Island	29·7	+4	—	0	z0	37	85	33	6	5	-	-	10	10	900	1	*	43	36	36	-	-	*
Lympne	30·0	+2	NW'N	1	m	34	97	33	4	5	-	-	10	10	800	1	§ *	39	34	34	-	-	0·0
Manston	29·6	+4	SSW	1	df	35	92	34	3	5	-	-	10	10	500	1	*	38	35	35	-	Tr	0·0
Shoeburyness	29·7	+2	—	0	z0	37	85	34	5	5	-	-	10	10	2500	1	*	39	36	36	0·1	—	0·0
Felixstowe	29·9	+2	—	0	m	37	92	35	4	5	-	-	10	10	800	0	0	39	35	35	-	Tr	0·0
Gorleston	28·6	+2	SW'S	2	m	37	92	35	4	5	-	-	10	10	800	0	1	38	36	36	-	-	0·0
Mildenhall	29·2	+4	SSW	2	F-	35	97	34	1	-	-	-	10	10	<150	0	*	39	33	26	-	-	0·0
Cranwell																	*	41			Tr		
Birmingham	28·5	0	SSW	3	m	35	97	34	4	-	-	-	0	0	-	1	*	42	35	30	0·2	0·1	0·0
Upper Heyford	29·0	0	SSE	1	F	32	97	32	1	-	-	-	10	10	<150	0	*	38	31	31	-	-	*
Ross-on-Wye	28·3	-4	SW'S	1	z0	39	85	36	6	5	-	-	Tr	Tr	2500	1	*	42	38	27	-	-	0·7
Hartland Point	28·1	+2	SSE	2	c	42	85	38	6	5	2	-	7-8	10	1100	1	2	48	41	41	-	-	1·8
Bristol	29·5	0	S	1	fg	40	85	36	5	5	-	-	10	10	1500	1	*	43	38	31	-	-	0·0
Portland Bill	29·6	-4	NE	2	o	41	92	39	7	5	-	-	10	10	2500	1	3	46	40	*	-	-	*
Plymouth	29·6	+4	E	3	z0	41	85	39	6	5	-	-	10	10	2000	1	1	46	40	39	-	-	0·0
The Lizard	28·9	0	SSE	1	of	44	85	39	3	5	-	-	10	10	1000	0	2	48	42	*	-	-	0·0
Scilly (St. Mary's)	28·5	-4	—	0	c	45	75	38	6	5	-	-	10	10	1500	1	2	53	41	*	-	-	0·9
Guernsey																							
Pembroke	27·4	-6	S'W	3	bc	46	97	43	8	8	-	-	4-6	4-6	2500	0	2	46	45	*	-	-	0·1
Holyhead (Valley)	26·4	0	S	4	z0	45	92	43	6	5	3	-	9+	9+	2000	1	3	48	42	37	-	-	*
Chester (Sealand)	27·2	0	S	2	bc	33	92	31	4	5	3	-	4-6	4-6	3500	3	*	46	33	22	-	-	0·1
Manchester	27·4	0	SSE	3	m	36	92	34	4	5	3	-	4-6	7-8	2500	1	*	45	35	30	/	-	*
Spurn Head	27·8	0	SW'S	2	m	37	92	34	4	-	-	-	0	0	-	1	3	45	36	*	-	-	3·5
Catterick	26·8	-2	SSE	2	F+	30	97	30	1	-	-	-	10	10	<150	0	*	49	30	27	-	-	4·7
Tynemouth	26·9	0	WSW	3	z0	37	97	36	5	-	4	-	0	1	-	1	2	47	37	34	-	-	*
St. Abbs Head	22·3	-2	SSW	4	bc	42	85	38	7	4	4	-	2-3	4-6	3500	0	3	50	40	*	-	-	*
Leuchars	20·4	-2	SSW	3	c	45	85	41	7	5	-	-	9+	9+	2500	0	*	49	41	37	-	-	3·1
Renfrew (Abbots I.)	22·1	-2	SW'S	3	c/r	47	85	43	6	5	3	-	7-8	10	2000	1	*	47	44	42	0·1	1	0·4
Eskdalemuir	24·8	0	S'W	3	F	41	97	41	1	-	-	-	10	10	<150	1	*	45	39	37	-	Tr	0·9
Point of Ayre	24·8	-2	S'W	2	c	45	85	42	8	5	-	-	9+	9+	4500	0	2	51	38	*	-	-	5·7
Tiree	19·4	-12	S'W	3	c	47	97	46	7	5	-	-	10	10	3000	1	3	49	44	40	1	Tr	0·0
Stornoway	16·3	-14	SSW	4	c	46	85	42	8	5	-	-	9+	9+	3500	1	3	48	43	41	4	0·1	0·0
Dalwhinnie	19·5	-4	SSW	2	id0	42	92	40	7	5	-	-	9	9	2500	1	*	46	41	41	-	0·2	3·5
Aberdeen †	20·2	-8	SSW	3	z0	43	92	41	6	5	3	-	1	2-3	4000	1	1	56	42	31	-	-	5·0
Wick	17·8	-12	SSW	3	c	43	92	41	8	5	3	-	7-8	9	3000	1	*	48	42	38	2	-	*
Sumburgh	16·0	-4	WSW	5	c/p.r	45	92	43	7	8	-	-	9+	9+	1500	1	4	46	44	39	0·3	Tr	0·6
Blacksod Point	20·7	-10	SSW	6	c	50	97	49	7	6	-	-	9+	9+	1500	1	4	53	47	*	2	2	*
Malin Head	20·1	-8	S'W	4	c-bc	47	85	43	8	5	-	-	7-8	7-8	2500	1	3	52	46		Tr	0·4	2·9
Aldergrove	23·4	-6	S'W	2	z0	44	85	40	6	5	7	-	4-6	9	3000	1	*	50	43	36	0·2	Tr	3·8
Birr Castle	24·9	-6	WSW	2	c	46	85	42	8	5	1	-	7-8	10	2500	1	*	53	42	34	-	-	1·3
Valentia Obsy.	24·9	-4	S'W	4	c	50	92	48	8	5	-	-	9+	9+	2500	1	2	55	49	45	Tr	0·3	2·1
Roches Point	26·2	-4	SW	2	c	48	97	47	8	8	-	-	9+	9+	1500	1	2	52	47	*	-	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd February / 18h. G.M.T.; 01h. G.M.T. 23rd February / 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	52	02755	17266	62	52435	17158	5-	51656	24555	5-	82757	17257
115	82	62618	20368				52	02854	24487			
203				5-	62846	16568				55	02844	16527
206	57	02864	20428				53	02864	00015	53	02865	22225
210	57	02962	21426	87	02864	20326	53	01963	20214			
220	52	61736	61736	80	01745	23465						
230	5-	02857	18267	5-	51748	16288	5-	51624	18258	5-	52636	18358
245	10	02752	23415	07	05690	57412	50	02762	19216	52	05647	20218
260	83	25764	24386	54	05662	20223	53	05663	20214	80	01753	18424
278	53	01861	20214				53	02756	18328	57	05657	18367
279	50	01754	20324	53	05555	22214	53	05661	20301	35	05543	18224
285				5-	02746	24326				27	05625	26516
288	5-	02766	22326	54	05663	22214	00	05690	17300			
575	57	02853	18228	57	02854	18227	5-	02857	18257	5-	02746	18256
301	5-	05665	18328	5-	05556	18228	04	47390	12141	5-	08457	13347
321	5-	08446	20146	57	08454	22216	00	45390	20140	00	43390	13140
[illegible]	50	08443	20203	50	05654	20214	00	05690	20200	--	48009	22149
292	5-	05656	20346	5-	05656	25226	00	08490	00010	--	00049	27029
310	--	01626	24426							--	01633	20213
614	5-	05548	23128	04	05490	21112	5-	45348	22248	--	48109	24149
333	5-	05657	16227	50	01753	16123	53	05544	14128	5-	05648	17328
334				--	03647	26328				--	03409	00028
340	5-	08548	16148	5-	08548	14228	--	08490	16210	00	47190	16140
136	--	44309	22249	5-	08418	22248	--	46009	22249			
336	53	02754	24316	57	02656	28328	--			--	44109	21249
350	38	26128	29838	5-	08435	22128	--	48109	22149	--	46109	18148
368	5-	08447	00027	5-	08457	16127	5-	08438	16128	5-	08448	00028
379	5-	43308	25248	5-	08408	24148	5-	08444	24227	5-	05544	00028
390	--	42309	24249	--	46309	20249	5-	45338	24228	5-	45338	18143
382	5-	05648	21128	5-	05548	00028	5-	08444	00624			
438	5-	02637	18247	5-	05538	24228	5-	05528	00028	5-	03438	30228
430	5-	05648	24128	5-	05538	28126	5-	08438	08128	5-	05538	04128
409	5-	05648	12128	5-	05645	00628	5-	05648	00028	57	05655	17128

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L C_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd February. Day 7h—18h Kew and Croydon, 9h—18h Kensington 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	dom om	omom0	om0
Croydon	of on	om	om0
Greenwich	o.ff	ofm	om
Camden Square	o	o	*
Kensington	om	om	*
Hampstead	of	o	of

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. 0·3 Time 16[illegible] 22nd; Min. <0·1 Time 0[illegible] 23rd

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	40	37	36	-	-	0·0	*	*
Croydon	39	35	35	-	-	0·0	*	*
Greenwich	38	36	36	-	-	0·0	88	91
Westminster	39	37	36	—	—		89	91
Regents Park	39	36	36	-	-		91	91
Camden Square	39	36	36	-	-	*	*	91
Kensington	39	36	39	-	-		90	87
Hampstead	38	34	33	-	-		*	92

Page 1 BRITISH SECTION

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

SECRET

Wednesday 24th February 1943.

No. 29679

OBSERVATIONS at 13h. G.M.T. 23rd February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	29.8	-6	SW	2	z_0	40	85	38	5	5	-	-	10	10	2500
	Croydon	30.0	-4	WSW	2	m	37	92	36	4	5	-	-	10	10	800
	S. Farnborough	30.2	-4	WSW	1	m	38	85	35	4	5	-	-	10	10	900
	Boscombe Down	29.6	-8	-	0	z_0	39	85	35	6	5	-	-	10	10	1000
	Thorney Island	29.8	+2	-	0	m	40	85	35	4	5	-	-	10	10	450
	Lympne	29.7	-10	W	2	z_0	38	85	35	5	5	-	-	10	10	800
	Manston	29.7	-6	W'N	1	m	38	85	33	4	5	-	-	10	10	1000
2	Shoeburyness	29.7	-8	WSW	1	m	39	85	36	4	5	-	-	10	10	800
	Felixstowe	29.5	-6	SW'W	1	z_0	40	85	36	5	5	-	-	10	10	1000
	Gorleston	29.1	-6	W'N	2	z_0	40	85	37	5	5	-	-	10	10	800
	Mildenhall	29.2	-10	SW'W	2	m	39	85	36	4	5	-	-	10	10	600
	Cranwell	27.5	-12	SW'W	4	z_0	49	65	38	6	-	-	-	0	0	-
3	Birmingham	27.9	0	SSW	3	b	47	75	39	7	-	-	-	0	0	-
	Upper Heyford	28.9	-14	W	2	z_0	39	85	36	5	9	-	-	9+	9+	1000
4	Ross-on-Wye	28.0	-10	SW	3	z_0	46	65	36	6	7	-	-	2-3	2-3	2500
5	Hartland Point	28.3	-6	SW	2	c	46	75	39	6	5	-	-	9+	9+	1500
	Bristol	29.7	-6	S	1	z_0	42	75	35	6	5	-	-	10	10	2500
	Portland Bill	28.9	-6	ENE	2	o	43	85	41	7	5	-	-	10	10	2500
	Plymouth	29.6	-10	NE	1	z_0	45	75	37	6	5	-	-	9	9	3000
	The Lizard	28.6	0	E	2	o	48	75	41	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	29.0	-2	SW'S	1	c	49	65	38	7	5	-	-	10	10	1200
	Guernsey															
6	Pembroke	28.2	-6	SW	2	c	48	92	46	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	26.5	-6	S'W	4	c	49	85	45	7	8	3	-	Tr	9	2500
	Chester (Sealand)	27.1	-6	W'S	1	c-bc	50	65	39	7	5	4	-	4-6	7-8	3000
8	Manchester	27.0	-2	SSW	4	z_0	51	75	42	5	-	3	-	0	1	-
10	Spurn Head	27.4	-10	SW	3	z_0	48	65	38	5	-	-	-	0	0	-
	Catterick	26.3	-10	W'S	3	z_0	48	75	40	6	5	3	8	7-8	7-8	3000
	Tynemouth	25.6	-10	SW	3	c-bc	51	75	42	6	2	-	-	7-8	7-8	2500
11	St. Abbs Head	20.1	-12	SW	5	b	50	75	41	7	5	-	-	1	1	3500
	Leuchars	20.1	-18	SSW	5	bc	53	65	42	7	1	-	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	21.4	-10	SW'S	4	c-bc/pr	51	75	43	8	8	7	-	4-6	7-8	2000
	Eskdalemuir	23.7	-8	SSW	4	c	44	92	42	6	5	-	-	9+	9+	800
	Point of Ayre	23.9	-6	W'S	4	c	53	65	42	8	5	-	-	9+	9+	6000
13A	Tiree	17.8	-10	SW'S	5	it_0	49	92	46	7	5	7	-	9+	10	1500
13B	Stornoway	11.2	-30	SW	7	c-bc	50	97	50	8	8	-	-	4-6	7-8	2000
15	Dalwhinnie	18.0	-6	SW	4	c	46	85	42	7	5	-	-	9	9	1500
	Aberdeen	18.8	-14	SW	3	z_0	53	75	43	6	5	7	5	2-3	9+	2500
	Wick	14.9	-26	SSW	4	c	48	75	41	9	5	3	7	4-6	10	3000
16	Sumburgh	13.3	-24	S'W	4	c	47	92	45	8	5	-	8	7-8	9+	4000
17	Blacksod Point	21.1	0	SW'W	6	c/d	48	97	47	8	6	-	-	10	10	1500
18	Malin Head	19.0	-12	S'W	6	c	51	85	47	7	5	2	-	7-8	9+	1500
	Aldergrove	22.6	-12	S'W	3	bc	52	65	39	8	8	7	-	1	4-6	2500
19	Birr Castle	24.3	-10	WSW	3	d_0d_0	52	75	45	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	24.8	-6	SW'S	5	c	53	85	49	7	5	7	-	9	10	1500
	Roches Point	26.3	-8	SW	3	c-bc	51	92	49	8	5	3	-	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 23rd February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	29.0	-2	SSW	1	m	39	85	34	4	5	-	-	10	10	1500	1	*
Croydon	29.2	-4	SW	1	m	37	92	36	4	5	-	-	10	10	500	0	*
S. Farnborough	28.9	-4	SW'W	1	z_0	40	85	35	6	5	-	-	10	10	900	0	*
Boscombe Down	28.9	-2	W'S	2	z_0	41	85	35	6	5	-	-	10	10	1000	0	*
Thorney Island	29.1	-2	W'N	1	z_0	41	75	35	6	5	-	-	10	10	1500	0	*
Lympne	29.2	-2	W	1	z_0	37	92	35	5	5	-	-	10	10	900	1	§1
Manston	29.1	-2	SW	1	m	37	85	33	4	5	-	-	10	10	900	1	*
Shoeburyness	28.6	-2	-	0	cft	39	85	34	3	5	-	-	10	10	800	1	*
Felixstowe	28.7	-2	S	1	m	39	85	34	4	5	-	-	10	10	1100	0	1
Gorleston	27.9	-8	SW	1	z_0	40	85	37	5	5	-	-	10	10	800	0	2
Mildenhall	27.9	-6	S'W	2	m	39	85	36	4	5	-	-	10	10	800	0	*
Cranwell	26.7	+2	SW	3	z_0	42	85	38	6	-	-	-	0	0	-	0	*
Birmingham	27.5	-2	SSW	2	z_0	42	85	38	6	-	-	-	0	0	-	1	*
Upper Heyford	28.0	-4	SW'S	2	z_0	38	85	35	5	5	-	-	9+	9+	4000	0	*
Ross-on-Wye	27.4	-4	SSW	1	z_0	41	75	35	5	5	-	-	1	1	3000	1	*
Hartland Point	27.8	0	WSW	2	c	46	85	41	6	5	2	-	7-8	9	2100	1	2
Bristol	28.5	-4	WSW	1	z_0	43	85	38	6	5	-	-	10	10	2500	1	*
Portland Bill	28.9	-6	SW	2	z_0	44	85	39	7	5	-	-	10	10	2500	1	
Plymouth	29.3	+2	S	1	z_0	45	85	40	6	5	-	-	10	10	2500	0	1
The Lizard	28.6	0	SE	2	bc	46	85	42	8	4	4	-	4-6	4-6	2000	0	2
Scilly (St. Mary's)	28.5	0	SW'S	2	b	48	75	40	7	5	-	-	Tr	Tr	1500	1	2
Guernsey																	
Pembroke	27.5	-4	SW'W	4	b-bc	47	97	47	7	4	-	-	2-3	2-3	3000	0	3
Holyhead (Valley)	25.6	0	S	4	c-bc	47	85	44	7	-	3	-	0	7-8	-	1	3
Chester (Sealand)	26.0	-2	SSW	2	bc	48	55	44	7	5	4	2	4-6	4-6	2000	0	*
Manchester	26.1	-2	SW	2	z_0	47	85	41	6	5	-	-	10	10	4000	1	*
Spurn Head	26.7	-4	S'W	3	z_0	44	85	39	6	5	-	-	2-3	2-3	4000	0	2
Catterick	25.2	+2	SW	2	c-bc	47	65	35	7	5	4	8	Tr	7-8	2500	0	*
Tynemouth	25.5	-4	SW	3	bc	42	75	35	6	2	3	-	2-3	4-6	2600	0	2
St. Abbs Head	19.4	0	SW	4	bc	47	75	38	7	5	4	-	2-3	4-6	3500	0	4
Leuchars	19.2	-4	SSW	2	c	50	65	39	7	5	-	5	9	9+	3000	0	*
Renfrew (Abbots I.)	19.7	-6	SW'S	3	c/r	49	75	43	6	5	2	-	9	10	2200	1	*
Eskdalemuir	22.8	0	S'W	3	c	43	85	39	6	7	7	6	4-6	9+	3500	1	*
Point of Ayre	22.5	-6	SW	2	c	48	85	43	8	5	7	-	7-8	9	3000	0	2
Tiree	17.1	-2	SW	4	c	48	85	44	7	5	-	-	10	10	2000	1	4
Stornoway	11.1	+2	SSW	6	t_0t_0	47	92	44	6	5	2	-	9	10	1000	1	3
Dalwhinnie	17.0	-6	SW	4	c	43	92	41	7	9	-	-	9+	9+	1500	1	*
Aberdeen	17.5	-2	SW'S	3	c	51	65	39	7	4	4	8	Tr	9	2500	1	2
Wick	13.2	+2	S'E	5	c-bc	45	85	42	8	5	7	9	4-6	7-8	2000	1	*
Sumburgh	10.0	-18	SW	6	c	48	92	45	8	5	7	-	7-8	10	3000	1	4
Blacksod Point	21.0	+2	SW'W	5	c	49	85	45	8	8	-	-	10	10	2500	1	3
Malin Head	19.0	-2	SSW	4	c	48	75	40	8	5	-	-	9+	9+	1500	1	3
Aldergrove	21.7	+4	SSW	4	c/d	49	85	45	8	5	7	-	7-8	9+	2000	1	*
Birr Castle	23.2	-6	WSW	3	c	53	75	45	8	8	2	-	7-8	9+	1500	1	*
Valentia Obsy.	25.3	+10	SW	4	c-bc/pr	49	92	47	8	7	3	1	2-3	7-8	2500	1	3
Roches Point	23.5	-4	SW'W	4	c/d	50	97	49	8	5	3	-	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 23rd (39)	13h.–18h. 23rd (40)	18h. 23rd to 1h. 24th (41)	1h.–7h. 24th (42)
London (Kew)	m_0om	om	omm_0	obofx
Croydon	om	om	omcm	ebbcmx
S. Farnborough	om_0m	omm_0	$oxbem_0$	bcmbmxem
Boscombe Down	$cm_0cmcm_0cm_0$		cm_0	$cmbmbem_0$
Thorney Island	om_0om	$omcm_0$	cm_0	$cmbm_0x$
Lympne	omm_0	om_0	om_0cm_0	cm_0
Manston	om	ofFcm	omm_0	ocm_0
Shoeburyness	cm_0om	omom	$ofbcm_0$	bcm_0
Felixstowe	cm_0	cm_0cm	om	$ombcm_0$
Gorleston	$omcz_0$	cz_0	cz_0om	om
Mildenhall	oFofom	omcmom	omcm	cmb_0mx
Cranwell	$bcbm_0$	bz_0	bmbcumbc	$bmbcmbcm_0$
Birmingham	mb	b	bz	b, cz
Upper Heyford	oFfcm	cm_0zcm_0	cmbmcm	bm
Ross-on-Wye	bm_0bccz	bz_0	$bozcz_0$	bwbcc
Hartland Point	c	c	bbc	bcc
Bristol	cm_0fgcz_0	cz_0cm_0	$cmbcm_0$	$bmxcm_0$
Portland Bill	o		cc	bcbc
Plymouth	cm_0	cz_0	cmbmw	$bmmm_0$
The Lizard	oco	pcbc	bcbw	bbc
Scilly (St. Mary's)	c	cbcby	bcb	bbcwbc
Guernsey				
Pembroke	bcc	cbc	bcc	bcc
Holyhead (Valley)	cm_0	bcb	cir_0m_0	$cbcbm_0$
Chester (Sealand)	cm_0bcz_0y	bc, c	$bcczm_0$	cbz_0m_0
Manchester	cbcbm	$bbccz_0$	$cbbcm_0$	cm_0
Spurn Head	bcm	bm_0	bm_0	cm_0
Catterick	$oFzbcem_0$	cm_0c	cbm_0b	$bcbm_0bc$
Tynemouth	$bcmbffm_0$	cbc	bc	bc
St. Abbs Head	bbc	bbc	bc	bcc
Leuchars	bcm_0c	bcc	cbcc	cidirbc
Renfrew (Abbots I.)	$t_0t_0pr_0bc$	$bcir_0cz_0$	$cmir_0$	$d_0d_0m_0bo$
Eskdalemuir	$oFecm_0$	bcm_0cm_0	cmd	$cmir_0$
Point of Ayre	c	cbcc	bcb	cd_0d_0
Tiree	cit_0citc	cir_0d_0dc	cdd_0r_0c	cbcc
Stornoway	$cid_0t_0tid_0$	cpr_0ir_0	$crrbccir_0$	cir_0cbcir_0c
Dalwhinnie	cpr	cpr_0		cpr
Aberdeen	$bcwcz_0$	cz_0bcc	ccz_0*	cz_0cm
Wick	cv	c	cr_0r_0c	bcc
Sumburgh	cpr_0c	ir_0c	cr_0r_0c	cpr
Blacksod Point	r	pr	c	bc
Malin Head	r	r	r	r
Aldergrove	cbc	$bccid_0$	c	cid_0c
Birr Castle	c	c		c
Valentia Obsy.	pr	pr	r	c
Roches Point	c	d	d	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 24th February, 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light or moderate southwest winds; mainly fair, local fog night and morning; mild during day; rather cold at night with frost locally.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light or moderate southwest wind; mainly cloudy; slight rain locally; mild.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light or moderate southwest wind backing south later, fresh locally; bright intervals and local showers at first; cloudy tomorrow morning with light rain; rather cold becoming milder.
16 Orkneys and Shetlands	As 11-15.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Light or moderate southwest wind; cloudy; slight rain locally; mild.

GENERAL INFERENCE

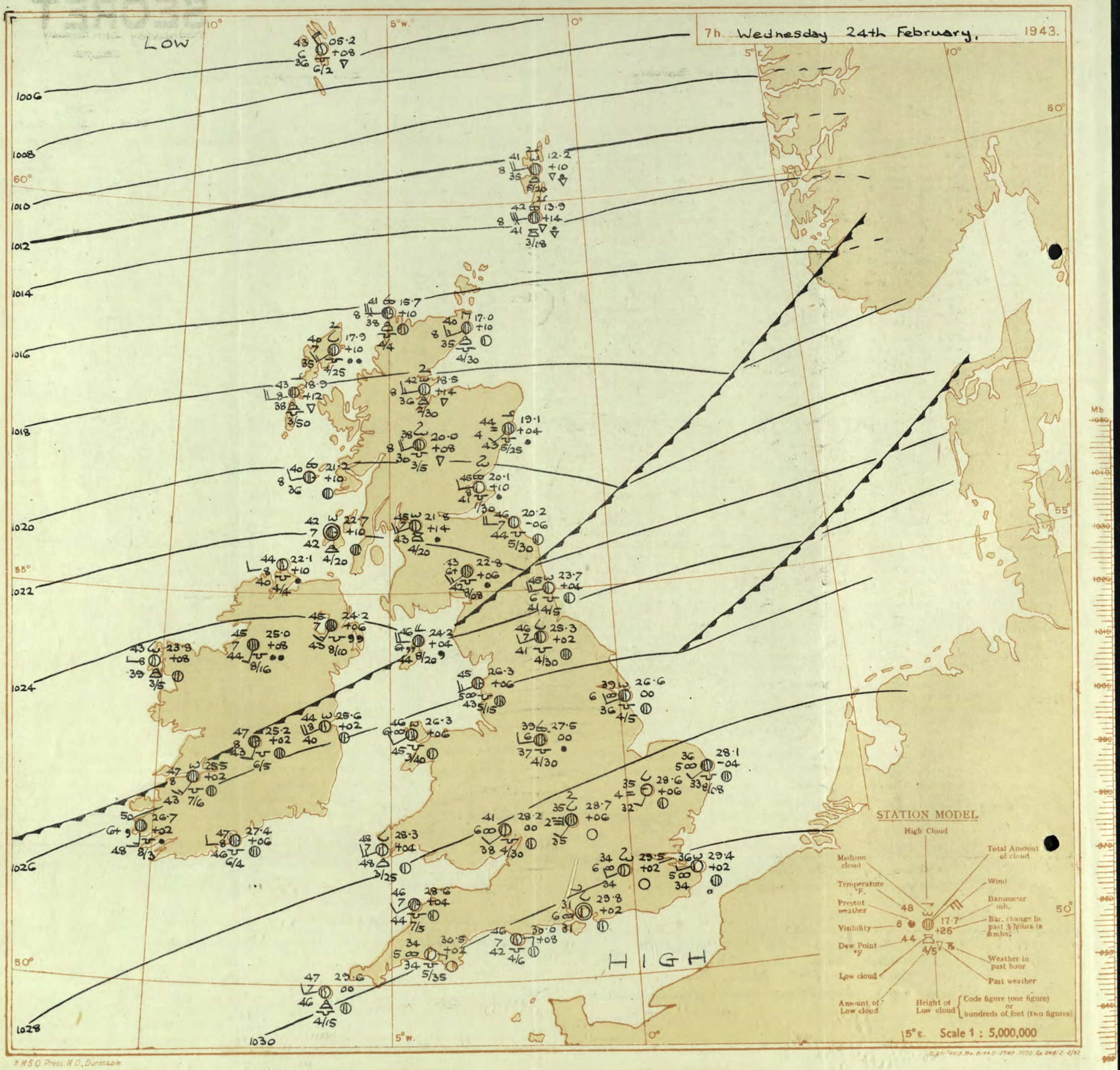
Pressure is high from the Azores to France and relatively low to the north of the British Isles. Weather will be mainly fair in the South but in the North there will be cloudy periods with local rain or showers.

FURTHER OUTLOOK

Mainly fair in the South. Occasional rain in the North.

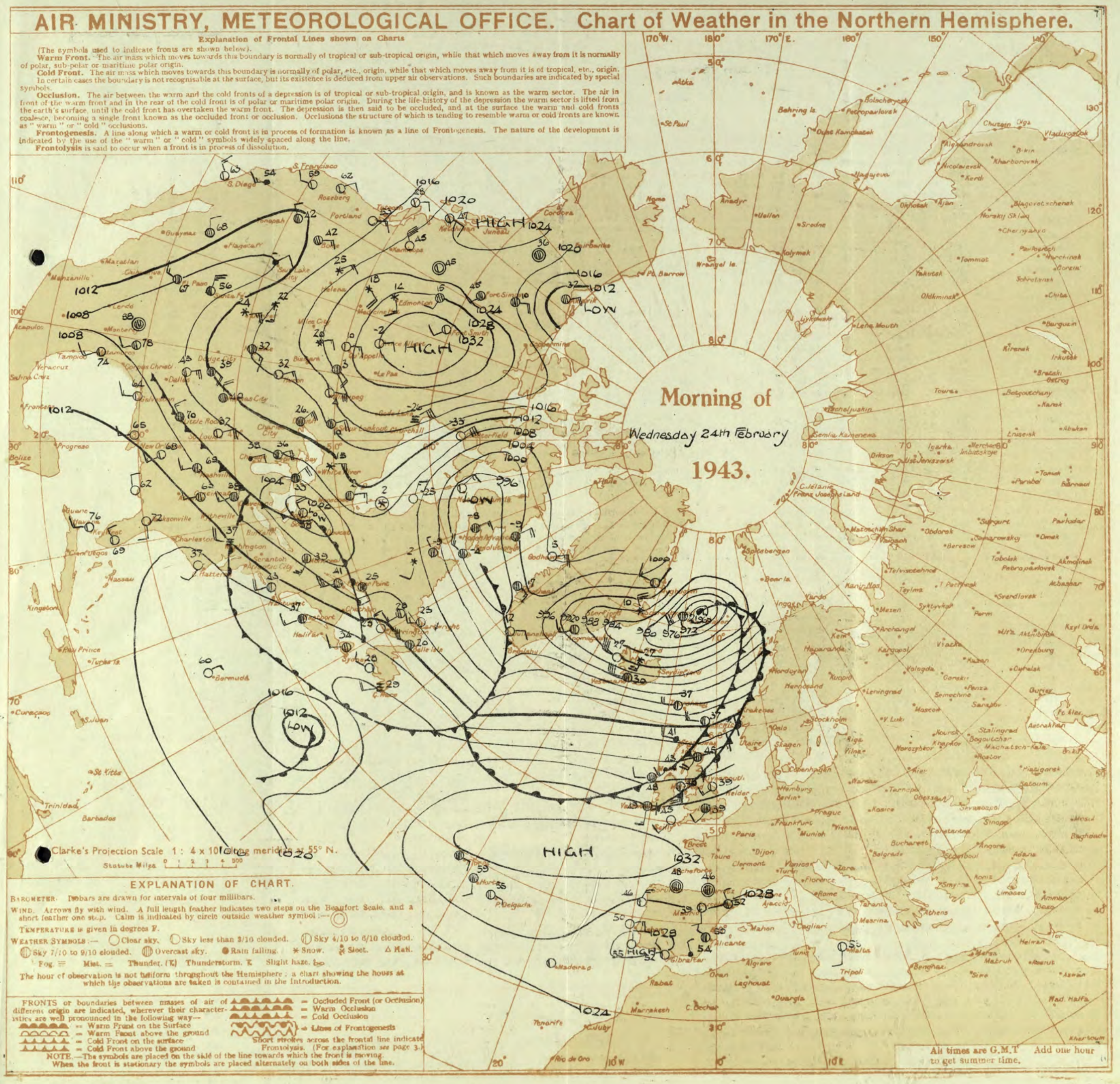
Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press. M.O., Dunstable

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



Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Wednesday 24th February 1943

No. 29679

OBSERVATIONS at 1 hr. G.M.T. 24th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	40	*	*	*	*	*	*	*	*	*
	Croydon	290	29·7	-2	SW	2	m	39	85	36	4	5	-	-	10	10	2400
	S. Farnborough	226	29·5	+2	SW'W	1	z_0	39	85	36	6	5	-	-	4-6	4-6	2500
	Boscombe Down	417	29·8	+2	SW	1	z_0	40	92	37	6	5	-	-	9	9	3000
	Thorney Island	10	29·7	+2	W'S	1	z_0	38	92	35	6	5	-	-	9+	9+	2500
	Lympne	283	30·2	+2	W	1	z_0	35	92	33	5	5	-	-	10	10	1500
	Manston	154	19·9	0	W'S	1	z_0	36	85	33	5	5	-	-	10	10	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	29·8	+2	W'S	3	m	38	92	35	4	5	-	-	10	10	1200
	Gorleston	5	28·8	0	WSW	1	m	37	92	35	4	5	-	-	10	10	800
	Mildenhall	15	28·5	-2	SW	2	m	38	85	35	4	5	-	-	10	10	1900
	Cranwell	203	27·4	0	WSW	3	m	38	92	35	4	-	3	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	28·6	+2	WSW	1	m	35	92	33	4	5	-	-	2-3	2-3	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·0	+2	SSW	3	bc	44	85	40	7	-	4	-	0	4-6	-
	Bristol	209	29·9	+4	SW	1	b	40	85	35	6	5	-	-	Tr	Tr	4000
	Portland Bill	32	29·7	-4	SW	2	c	44	92	42	7	5	-	-	10	10	220
	Plymouth	82	30·7	+6	-	0	z_0	39	97	38	6	-	-	1	0	2-3	-
	The Lizard	240	30·4	+4	WSW	2	b	43	85	38	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	29·8	+2	SW	2	b	45	97	44	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	28·2	0	SW'W	4	c-bc	48	92	46	7	4	-	-	7-8	7-8	4000
7	Holyhead (Valley)	32	28·9	-4	S'W	4	c/d	48	97	46	6	5	-	-	9+	9+	700
	Chester (Sealand)	16	26·3	0	S'W	1	c	43	85	38	7	5	-	-	9+	9+	4000
8	Manchester	235	27·0	+6	S'E	3	bc d	41	92	38	6	5	3	-	4-6	4-6	2500
10	Spurn Head	29	26·4	-4	SW'W	3	z_0	39	85	35	6	-	-	2	0	2-3	-
	Catterick	175	25·5	+2	S	2	bc	44	75	37	7	5	3	-	2-3	4-6	2500
	Tynemouth	108	23·7	0	SW	3	z_0	44	85	41	6	-	3	-	0	2-3	-
11	St. Abbs Head	280	20·0	+8	SW	4	bc	45	92	43	7	5	-	-	4-6	4-6	2500
	Leuchars	36	19·2	0	WSW	3	c	47	85	43	7	5	1	-	2-3	9+	3000
12	Renfrew (Abbots I.)	19	20·2	+2	SW'S	4	r_0r	47	92	45	6	5	7	-	9	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·7	+26	W'S	*	b	46	92	44	8	8	*-	*	Tr	Tr	3000
13A	Tiree	44	19·0	+14	SW'W	3	pr_0	47	97	46	7	8	6	-	9	9+	1200
13B	Stornoway	15	16·1	+20	W	4	ir_0	41	97	41	7	5	2	-	4-6	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	17·5	+2	SW	4	c-bc	45	73	38	9	-	7	8	0	7-8	-
	Wick	114	15·7	+20	SW	3	c	43	92	41	8	5	7	-	7-8	10	1500
16	Sumburgh	19	11·3	+14	W'S	6	c	45	92	43	8	5	2	7	1	10	2500
17	Blacksod Point	18	22·9	+10	WSW	1	c	48	92	46	8	6	-	-	10	10	2500
18	Malin Head	84	20·5	+6	SW'S	3	ir_0	45	92	43	7	5	2	-	7-8	10	1500
	Aldergrove	268	23·4	+6	SSW	2	c	46	85	41	7	5	-	-	9+	9+	1000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·6	+4	S	3	o	49	85	45	9	5	-	-	10	10	4000
	Roches Point	22	27·6	+12	W	3	b-bc	47	97	44	8	5	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 24th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	29·9	+6	SSW	1	b-bcf	33	97	32	3	-	-	6	0	2-3	-	1	*
Croydon	29·5	+2	SW	2	z_0	34	97	34	6	-	-	9	0	4-6	-	3	*
S. Farnborough	30·0	+6	WSW	1	fg	29	97	28	6	-	4	6	0	7-8	-	0	*
Boscombe Down	29·8	0	SW	1	fg	34	97	34	6	-	-	7	0	7-8	-	3	*
Thorney Island	29·8	+2	-	0	z_0	31	97	31	6	-	4	1	0	2-3	-	3	*
Lympne	29·8	+2	W	1	z_0	35	92	33	5	5	1	9	2-3	9	2500	1	§ 1
Manston	29·4	+2	WSW	1	z_0	36	92	34	5	-	3	-	0	2-3	-	1	*
Shoeburyness	28·4	-2	S'W	1	z_0	38	85	35	5	-	4	1	0	2-3	-	1	*
Felixstowe	29·1	+2	WSW	3	z_0	38	92	35	5	-	7	-	0	4-6	-	0	1
Gorleston	28·1	-4	SW'S	1	z_0	36	92	33	5	5	-	-	10	10	800	0	2
Mildenhall	28·6	+6	SSW	1	m	35	92	32	4	-	4	-	0	Tr	-	0	*
Cranwell	27·2	+4	W'S	3	z_0	37	92	36	5	5	-	-	9	9	2000	0	*
Birmingham	27·7	0	SW	3	z_0	39	92	37	5	5	-	-	9+	9+	2500	1	*
Upper Heyford	28·7	+6	SW'S	1	c-bc ff	35	97	35	2	-	4	6	0	7-8	-	0	*
Ross-on-Wye	28·2	0	SW	2	z_0	41	85	38	6	5	-	-	4-6	4-6	3000	1	*
Hartland Point	28·6	+4	SW	2	c	46	92	44	7	5	-	-	9+	9+	2500	0	3
Bristol	29·6	+2	ENE	1	fg	40	85	37	6	5	-	-	10	10	1500	1	*
Portland Bill	30·0	+8	E	2	bc	46	85	42	7	5	-	-	4-6	4-6	4000	1	3
Plymouth	30·5	+2	ESE	1	z_0	34	97	34	5	5	-	-	2-3	2-3	3500	0	1
The Lizard	29·9	0	SW	2	bc	46	92	44	8	8	-	-	4-6	4-6	2000	1	3
Scilly (St. Mary's)	29·6	0	W'S	2	bc	47	92	46	7	8	-	-	4-6	4-6	1500	1	3
Guernsey																	
Pembroke	28·3	+4	SW'W	3	bc	48	97	48	7	2	4	-	2-3	4-6	2500	0	3
Holyhead (Valley)	26·3	+6	SW	2	z_0	46	97	45	6	5	3	-	2-3	7-8	4000	1	3
Chester (Sealand)	26·3	+4	-	0	b-bc	41	92	39	6	5	-	-	2-3	2-3	4000	0	*
Manchester	26·5	0	S'E	3	z_0	42	92	40	6	5	-	-	9+	10	2500	1	*
Spurn Head	26·6	0	SW	2	z_0	39	92	36	6	5	3	-	4-6	7-8	2500	1	2
Catterick	25·3	+2	SW	2	c-bc	46	85	41	7	5	4	-	4-6	7-8	3000	0	*
Tynemouth	23·7	+4	WSW	3	bc	45	65	41	6	5	3	-	4-6	4-6	2500	0	2
St. Abbs Head	20·2	-6	W	4	c-bc	46	92	44	7	5	-	-	7-8	7-8	3000	0	3
Leuchars	20·1	+10	W'S	2	b-bc	45	85	41	8	5	7	9	Tr	2-3	3000	0	*
Renfrew (Abbots I.)	21·8	+14	SW'W	3	bc	45	92	43	7	3	3	-	4-6	4-6	2000	1	*
Eskdalemuir	22·8	+6	SW	3	c	43	97	42	6	5	-	-	10	10	800	1	*
Point of Ayre	24·2	+4	W	4	dd	46	92	44	6	-	2	-	10	10	2000	1	3
Tiree	21·2	+10	WSW	2	c	40	85	36	8	-	7	-	0	9	-	1	2
Stornoway	17·9	+10	SW	3	c-bc r	40	85	35	7	5	4	5	4-6	7-8	2500	1	2
Dalwhinnie	20·0	+8	SW	4	c-bc	38	75	30	8	5	-	9	2-3	7-8	2500	1	*
Aberdeen †	19·1	+4	SW	1	m	44	97	43	4	5	-	8	7-8	7-8	2500	1	2
Wick	17·0	+10	SW	3	c-bc	40	85	35	8	8	8	-	4-6	7-8	3000	1	*
Sumburgh	13·9	+14	W'S	6	c/pr	42	97	41	8	3	7	7	2-3	10	1800	1	4
Blacksod Point	23·8	+8	W	1	bc	43	85	39	8	8	5	-	2-3	4-6	2500	1	2
Malin Head	22·1	+10	WSW	2	bc	44	85	40	8	5	-	-	4-6	4-6	1500	2	3
Aldergrove	24·2	+6	SW'S	3	g/d	45	92	43	7	5	-	-	10	10	1000	1	*
Birr Castle	25·2	+2	SSW	2	c	47	85	43	8	5	-	-	9	9	2500	1	*
Valentia Obsy.	26·7	+2	S'W	3	id_0	50	92	48	6	5	-	-	10	10	800	1	3
Roches Point	27·4	+6	W'S	2	c	47	97	46	8	5	-	-	9	9	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 23rd Hrs. (38)
London (Kew)	40	32	18	-	Tr	0·0
Croydon	39	32	25	-	-	0·0
S. Farnborough	40	28	19	-	-	0·0
Boscombe Down	41	33	25	-	Tr	*
Thorney Island	42	30	22	-	-	*
Lympne	39	34	28	-	-	0·0
Manston	38	35	31	Tr	-	0·0
Shoeburyness	39	36	35	-	-	0·0
Felixstowe	41	37	33	-	-	[illegible]
Gorleston	41	35	29	-	-	0·0
Mildenhall	41	34	25	-	-	0·0
Cranwell	50	34	28	-	-	7·8
Birmingham	49	36	33	-	-	8·0
Upper Heyford	41	31	26	-	-	*
Ross-on-Wye	48	39	30	-	-	6·7
Hartland Point	47	42	41	-	-	0·0
Bristol	44	38	27	-	-	0·0
Portland Bill	44	41	*	-	-	*
Plymouth	47	32	27	-	-	0·0
The Lizard	48	42	*	-	-	0·0
Scilly (St. Mary's)	53	45	*	-	Tr	3·8
Guernsey						
Pembroke	49	(47)	*	-	-	3·2
Holyhead (Valley)	50	44	40	-	0·2	0·0
Chester (Sealand)	53	41	29	Tr	-	2·6
Manchester	53	40	38	-	Tr	*
Spurn Head	50	37	*	-	-	6·8
Catterick	51	39	34	-	-	3·8
Tynemouth	52	42	36	-	-	*
St. Abbs Head	52	43	*	-	-	*
Leuchars	55	45	41	-	Tr	7·6
Renfrew (Abbots I.)	52	44	39	1	0·2	1·8
Eskdalemuir	48	42	41	-	0·4	2·5
Point of Ayre	55	44	*	-	Tr	3·0
Tiree	49	40	34	1	2	0·0
Stornoway	51	38	34	1	2	0·8
Dalwhinnie	48	37	33	2	4	0·7
Aberdeen †	55	44	37	-	Tr	5·4
Wick	51	39	36	-	Tr	*
Sumburgh	48	42	37	Tr	1	1·8
Blacksod Point	52	44	*	3	1	*
Malin Head	50	43		Tr	1	0·4
Aldergrove	55	44	43	Tr	Tr	2·5
Birr Castle	53	45	42	-	0·2	1·2
Valentia Obsy.	53	47	44	0·2	0·3	0·0
Roches Point	52	46	*	Tr	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 23rd Feb. $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 24th Feb. $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	57	02854	15415	57	02754	53625	80	01753	23324	87	25745	20485
115	52	81735	53687				57	14844	56627	87	02844	57527
203	5-	03848	20628	6-	64838	16688	5-	02817	20527	88	02844	20525
206	87	25864	57687	54	02945	53566	87	81857	26288	23	02867	22385
210	77	02963	19626	87	02963	18425	53	62857	17368	53	22865	18365
220	63	25735	20586	62	64635	16668				53	01854	23315
230	5-	61766	18366	52	22857	51468	62	54525	51468	83	25865	22386
245	5-	02745	53515	86	28745	19485	57	02743	20185	80	10852	22227
260	74	01863	20313	5-	02767	20327	57	05555	20327	57	08464	20225
278	54	01864	18325	52	02657	19418	53	02855	20366	52	51745	22327
279	53	05653	18587	54	02753	18628	50	05663	22623	5-	52638	21358
285	23	05625	2447	23	01744	22515				23	05624	24515
288	2-	05658	20305	56	01753	20324	14	05661	18311	59	01752	17313
575	5-	02856	54426	5-	02843	18265	5-	51757	1847	5-	22748	18168
301	53	05663	20327	00	05690	19324	52	22647	14268	5-	05545	20326
321	50	05654	20344	50	05574	20124	03	43390	16144	00	47390	20120
2.0	54	41554	22244	54	05654	05654	37	05553	20204	44	05553	20314
292	03	41490	00045	54	05663	22226	03	45390	13144	53	45345	00046
310				--	02638	24318				--	44205	20349
614	00	43390	22240	53	08463	22114	20	47290	22140	54	08463	23214

IIIC	13h. G.M.T. 23rd Feb. $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 24th Feb. $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	5-	05667	17327	53	05652	/ *	52	61635	18368	54	05515	18227
334	--	02644	26215				--	02645	20216			
340				3-	05657	20217	40	05652	16112	53	05654	14225
136	5-	08446	20246	50	08425	17225	00	08490	20200	50	08462	21212
336	13	01753	20315				57	21656	20358			
350	5-	05538	20248	5-	05547	20128	5-	08454	20214	53	47-452	18216
368	57	02646	18228	5-	05668	00028	00	25690	20010	5-	05658	00028
379	5-	05548	20228	00	05590	20320	00	05590	22120	54	08403	22304
390	5-	47348	00048	5-	45238	18148	5-	08458	22228	00	47390	18220
382	5-	05538	00048				00	43390	00048	00	08490	00020
438	--	08448	20228	5-	08448	24228				54	01753	24214
430	5-	05548	00028	5-	08446	26128	5-	05557	23127	04	04530	00003
409	5-	05668	16228	57	05651	15223	00	05690	15100	50	05664	16124

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 24th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	$m_0$om	om	om$_0$fx
Croydon	om	om	omcm
Greenwich	om	om	obm
Camden Square	o	o	*
Kensington	om	omoz	*
Hampstead	om	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended Max. 0·5 9hr. 23rd. Min. Time 0·1 6-5hr 24th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	40	32	18	-	Tr	0·0	*	*
Croydon	39	32	25	-	-	0·0	*	*
Greenwich	39	33	25	-	-	0·0	83	78
Westminster	41	33	30	-	-	*	90	94
Regents Park	39	34	29	-	-	*	86	86
Camden Square	40	34	27	-	-	*	*	89
Kensington	40	33	24	-	-	*	81	90
Hampstead	38	35	27	-	-	*	*	91

BRITISH SECTION

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

SECRET

Thursday 25th February 1943.

No. 32680

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force. (4)	Weather. (5)	Temp °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	29·0	−8	WSW	1	Z_0	50	75	40	6	7	–	8	1	7·8	4000
	Croydon ...	29·0	−14	WNW	1	Z_0	53	65	44	6	–	–	6	0	7·8	–
	S. Farnborough	29·2	−14	W'N	2	c-bc	53	65	43	8	1	8	2	Tr	7·8	1800
	Boscombe Down	29·5	−14	SW'S	1	bc	53	75	44	7	1	7	2	4·6	4·6	2000
	Thorney Island	29·8	−10	SW	2	Z_0	53	55	39	6	–	–	–	0	0	–
	Lympne ...	29·6	−10	W	2	Z_0	50	63	39	6	1	–	6	Tr	7·8	4000
	Manston ...	29·3	−6	WSW	1	Z_0	51	65	39	6	5	–	6	Tr	9+	2000
2	Shoeburyness...	29·3	−4	SW	2	m	52	65	42	4	–	–	2	0	7·8	–
	Felixstowe ...	28·9	−4	WSW	2	m	52	65	42	4	–	–	–	0	0	–
	Gorleston ...	27·2	−12	WNW	2	bc	54	65	43	7	–	7	–	0	4·6	–
	Mildenhall ...	28·4	−6	W'S	2	Z_0	53	75	44	6	1	3	–	Tr	9+	4000
	Cranwell ...	27·1	−8	W'S	3	Z_0	51	75	43	6	–	3	5	0	2·3	–
3	Birmingham ...	27·8	0	SW	3	bc	51	75	43	7	5	–	1	4·6	4·6	2500
	Upper Heyford	28·7	−6	SW	1	Z_0	48	85	42	6	–	3	–	0	9+	–
4	Ross-on-Wye	27·8	−8	SW	2	Z_0	53	75	43	6	7	–	1	2·3	2·3	3000
5	Hartland Point	29·0	−4	SW	3	c-bc	48	92	47	7	5	6	–	4·6	7·8	1400
	Bristol ...	29·6	−4	W	3	c	51	75	45	7	1	3	–	4·6	9	2500
	Portland Bill ...	29·7	−6	W	2	c-bc	51	75	45	8	2	4	–	4·6	7·8	4000
	Plymouth ...	30·2	−10	SSW	2	Z_0	51	85	45	6	5	3	6	2·3	9	1500
	The Lizard ...	30·2	0	W	2	bc	55	85	49	8	2	4	–	4·6	4·6	2500
	Scilly (St. Mary's)	29·0	−14	SW'W	2	bc	54	75	47	8	8	4	8	4·6	4·6	1500
	Guernsey ...															
6	Pembroke ...	28·4	−8	SW	3	c-bc	51	97	50	7	8	3	–	4·6	7·8	2500
7	Holyhead (Valley)	27·0	0	S'W	3	bc	50	85	47	8	5	3	–	2·3	4·6	2800
	Chester (Sealand)	26·6	−6	SW	2	c	52	65	41	8	5	3	–	7·8	9+	2500
8	Manchester ...	26·9	−4	SW	3	c	51	75	43	7	7	–	–	2·3	9	3000
10	Spurn Head ...	26·9	0	WSW	2	Z_0	50	75	41	5	5	1	–	4·6	10	2500
	Catterick ...	25·8	−2	WSW	3	c	51	75	43	7	8	–	–	9	9	2000
	Tynemouth ...	25·0	+4	W	3	c	51	75	43	6	8	–	–	9+	9+	2600
11	St. Abbs Head	22·1	+4	WNW	3	c-bc	48	65	38	7	4	6	–	4·6	7·8	3500
	Leuchars ...	22·2	+6	WSW	2	c	51	45	32	9	1	–	6	1	9+	3000
12	Renfrew (Abbots I.)	23·0	0	SW	3	bc	51	65	50	8	8	3	5	4·6	4·6	2500
	Eskdalemuir ...	23·6	0	W'S	3	c	45	85	38	6	5	–	–	10	10	1100
	Point of Ayre...	25·0	0	W	3	id.	48	97	47	6	6	2	–	7·8	10	600
13A	Tiree	21·2	−6	SW	3	bc	49	75	42	8	2	–	–	Tr	4·6	3000
13B	Stornoway ...	17·4	−6	SW	5	c/pr	46	85	43	8	2	–	7	1	10	2200
15	Dalwhinnie ...	21·0	+4	SW	3	c	45	65	42	8	8	–	9	4·6	9+	2500
	Aberdeen ...	20·9	+4	W'N	3	c	51	46	31	8	4	5	8	1	9	3500
	Wick ...	28·6	+2	SSW	5	c-bc	47	65	38	9	8	3	9	4·6	7·8	3000
16	Stimburgh ...	15·0	−6	NW'N	6	c-bc	45	92	43	8	8	6	5	4·6	7·8	2000
17	Blacksod Point	23·7	−6	S	3	bc	51	92	49	8	8	–	6	2·3	4·6	4000
18	Malin Head ...	22·4	−4	W'S	3	c-bc	48	65	37	8	8	–	–	7·8	7·8	2500
	Aldergrove ...	24·2	−4	SSW	2	pr	49	85	44	7	8	3	–	7·8	7·8	1000
19	Birr Castle ...	25·1	−6	S	1	c-bc	50	87	49	8	8	–	–	7·8	7·8	1500
20	Valentia Obsy.	25·8	−10	SSW	4	c	53	92	51	7	5	–	–	10	10	800
	Roches Point	27·2	−6	WSW	2	c/d	52	97	51	8	5	–	–	9+	9+	1500

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–12 Force. (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	28·5	+2	–	0	m	47	85	42	4	5	–	1	4·6	4·6	2500	1	•
	Croydon ...	28·8	+6	S	1	Z_0	48	85	43	5	5	–	6	2·3	7·8	4000	0	•
	S. Farnborough	28·3	0	SW	3	bc	50	75	42	8	5	7	1	Tr	4·6	2500	0	•
	Boscombe Down	28·6	−2	–	0	Z_0	48	85	44	5	4	–	1	4·6	4·6	5000	0	•
	Thorney Island	28·8	−2	W'S	1	Z_0	47	85	44	5	–	–	2	0	4·6	–	1	•
	Lympne ...	29·0	+2	SW	1	Z_0	43	85	38	6	–	–	1	0	4·6	–	1	§1
	Manston ...	28·8	+2	SW'S	1	Z_0	43	85	39	5	5	–	6	1	7·8	5700	1	•
2	Shoeburyness...	28·4	+2	SW	1	m	43	85	39	4	5	1	–	2·3	10	4000	1	•
	Felixstowe ...	28·3	−2	SW	2	Z_0	43	92	40	5	–	–	2	0	2·3	–	0	1
	Gorleston ...	27·7	+8	–	0	Z_0	52	65	43	6	5	–	–	7·8	7·8	2000	0	2
	Mildenhall ...	27·8	+4	SW'S	2	Z_0	50	85	43	6	5	3	–	4·6	9	5000	0	•
	Cranwell ...	26·8	+4	WSW	2	fg	46	85	41	6	5	7	2	4·6	9+	4000	0	•
3	Birmingham ...	27·3	0	SW	2	Z_0	49	75	41	6	5	–	2	7·8	7·8	2500	1	•
	Upper Heyford	27·9	+4	WSW	1	bc	47	85	41	7	–	3	5	0	4·6	–	0	•
4	Ross-on-Wye	27·1	−4	WSW	2	c-bc	49	75	41	8	5	–	1	7·8	7·8	3000	1	•
5	Hartland Point	27·9	−2	WSW	3	c-bc	47	97	46	7	5	4	5	4·6	7·8	1500	1	3
	Bristol ...	28·8	0	S	1	Z_0	48	85	43	6	5	–	2	1	2·3	4000	1	•
	Portland Bill ...	28·7	+2	WSW	2	c-bc	48	85	44	8	5	–	–	7·8	7·8	4000	1	3
	Plymouth ...	29·2	−2	SSW	2	Z_0	48	92	46	6	5	–	2	7·8	7·8	6000	0	
	The Lizard ...	28·7	−4	WSW	3	bc	50	85	46	8	4	4	–	4·6	4·6	2500	0	3
	Scilly (St. Mary's)	28·7	−2	SW'S	2	bc	50	92	49	7	8	–	5	4·6	4·6	1000	1	2
	Guernsey ...																	
6	Pembroke ...	27·2	−2	SW	4	c/f	48	97	48	7	5	4	–	7·8	9	2500	0	3
7	Holyhead (Valley)	25·4	−6	S	4	c	48	92	47	7	5	7	–	7·8	9	3500	1	2
	Chester (Sealand)	25·7	−6	W	2	c-bc	49	75	40	8	5	4	8	Tr	7·8	3000	0	•
8	Manchester ...	26·1	−2	S'E	3	Z_0	49	85	43	6	5	–	–	9	9	3000	1	•
10	Spurn Head ...	26·5	+4	SW'W	2	Z_0	49	75	42	5	7	4	–	4·6	7·8	2500	0	
	Catterick ...	25·9	+6	S	2	c	48	75	41	8	5	–	–	9+	10	2000	0	•
	Tynemouth ...	24·5	0	W	2	c	49	85	45	6	8	–	–	9+	9+	2500	0	2
11	St. Abbs Head	22·0	+2	W	1	c	47	75	38	7	5	–	–	9+	9+	3900	0	3
	Leuchars ...	21·0	−2	SW	2	c	47	75	39	7	5	7	7	4·6	10	2500	0	•
12	Renfrew (Abbots I.)	21·5	−10	SSW	2	c-bc	47	75	41	6	8	4	–	4·6	7·8	2400	1	•
	Eskdalemuir ...	22·7	−4	SW'S	3	c	44	92	42	6	5	–	–	9+	9+	900	1	•
	Point of Ayre...	23·6	−4	SW'W	2	c	49	85	46	8	6	–	–	9+	9+	800	0	2
13A	Tiree	18·9	−16	SSW	3	c-bc	46	85	41	8	–	–	2	0	7·8	–	1	2
13B	Stornoway ...	15·2	−18	SSW	6	c	46	85	44	7	5	1	7	7·8	10	3500	1	4
15	Dalwhinnie ...		−6	SW	3	c	40	75	34	8	5	4	9	4·6	9+	2500	0	
	Aberdeen ...	19·9	−6	S'W	2	Z_0	46	65	35	5	5	7	–	Tr	10	4000	0	•
	Wick ...	17·8	−2	SW	4	c	43	85	38	9	8	4	8	4·6	9+	3000	0	•
16	Stimburgh ...	15·4	+2	SW'W	6	c	44	97	43	8	4	6	–	2·3	10	2000	1	4
17	Blacksod Point	18·7	−28	S	5	c/r	50	92	48	7	6	–	–	10	10	2500	1	4
18	Malin Head ...	19·3	−22	SSW	2	c-bc	47	65	36	8	4	–	5	2·3	7·8	2500	1	3
	Aldergrove ...	22·0	−22	S'W	2	bc	47	75	40	8	5	4	9	1	4·6	2500	1	•
19	Birr Castle ...	22·8	−14	S	2	c	53	85	49	8	8	7	–	7·8	9	1500	1	•
20	Valentia Obsy.	23·6	−6	S'W	4	c	51	92	49	7	5	–	–	9+	9+	1500	1	3
	Roches Point	25·3	−10	SW	3	c	50	97	49	8	5	–	–	9+	9+	800	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 24th (39)	Weather. 13h.–18h. 24th (40)	Weather. 18h. 24th to 1h. 25th (41)	Weather. 1h.–7h. 25th (42)
1	London (Kew)	bcefx Z_0	Cz_0bcm	bcmbfx	bofex
	Croydon ...	bcez$_0$	bcz$_0$cz$_0$	bf	bfwof
	S. Farnborough	cm$_0$	cbccbc	bcbm$_0$mx	bmff
	Boscombe Down	cm$_0$xbc	bccbcm$_0$	bcm$_0$bmbfg	bfbfxofe
	Thorney Island	bmbm$_0$y	cm$_0$bcm$_0$w	bcmbf$_0$fw	fwcf
	Lympne ...	bcm$_0$z$_0$	bcz$_0$m$_0$	bm$_0$fffw	bwof
	Manston ...	cm$_0$	Cz_0	bm	bbcmbf
2	Shoeburyness...	bcm$_0$cz	Czz_0cm	cm	bcmcmw
	Felixstowe ...	bcmbm	bmbcm$_0$	bm	febcifex
	Gorleston ...	bcz$_0$	Cz_0	cz$_0$	cmw
	Mildenhall ...	bmbcez$_0$	Cz_0cm$_0$	cm$_0$bcfgm$_0$w	bcm$_0$brw
	Cranwell ...	bcm$_0$bm$_0$	bz$_0$cfg	cm$_0$bm$_0$cm$_0$	cm$_0$bcm$_0$
3	Birmingham ...	czbc	bcc	ecz	ez
	Upper Heyford	cfmcm$_0$	cm$_0$cbc	bcbm$_0$	f
4	Ross-on-Wye	bccp$_0$bc	bz$_0$bcc	cbbc	bwbc
5	Hartland Point	cir$_0$c	bcc	cbcc	cbc
	Bristol ...	cm$_0$cz$_0$c	cbcbcm$_0$	bcbm$_0$fg	bm$_0$wcm$_0$w
	Portland Bill ...	bcc	bcc	bcc	c
	Plymouth ...	cmm$_0$	cm$_0$	cm$_0$	cm$_0$fcm
	The Lizard ...	bc	bccbc	cbccw	cdcw
	Scilly (St. Mary's)	cbc	bccbc	bcbw	bbccw
	Guernsey ...				
6	Pembroke ...	bcc	cfx	bcc	cpr$_q$
7	Holyhead (Valley)	bc	b	bcm$_0$	cir$_0$m$_0$
	Chester (Sealand)	bcm$_0$cm$_0$	cbc	bcm$_0$	c,bcm$_0$z$_0$
8	Manchester ...	cbccm$_0$	cm$_0$	cm$_0$	cbcm$_0$c
10	Spurn Head ...	cm$_0$	cm$_0$	cm$_0$	bc
	Catterick ...	bcc	c	cbcm$_0$f	bcfcm$_0$c
	Tynemouth ...	bcc	c	cbc	bccq
11	St. Abbs Head	c	cm$_0$	cbc	pro
	Leuchars ...	cm$_0$bcmbcy	cycbcyc	bccim$_0$bc	bcrrqc
12	Renfrew (Abbots I.)	bccp$_0$bcbc	bccz$_0$	cm$_0$ir$_0$r$_0$r$_0$	r$_0$r$_0$p$_0$robc
	Eskdalemuir ...	cir$_0$	cir$_0$c	cir$_0$	cpr'HR
	Point of Ayre...	cdcdc	idcc	bbcc	cpr
13A	Tiree	bccprbc	c	cciroc	ccr$_0$p$_0$robc
13B	Stornoway ...	ccproc	c	cir$_0$r$_0$r$_0$	cir$_0$cpr
15	Dalwhinnie ...	c	c		cprbc
	Aberdeen ...	cm$_0$bccy	cycz$_0$	cbcz$_0$	bcc1Rc
	Wick ...	c	c	c	bccr$_0$r$_0$bc
16	Stimburgh ...	cpr$_0$prc	bcproc	c	cciroc
17	Blacksod Point	bc	r	r	pr
18	Malin Head ...	r	bc	r	r
	Aldergrove ...	cidcm$_0$	cpbbc	bciroc	ccrrb
19	Birr Castle ...	d	c		pr
20	Valentia Obsy.	r	d	pr	r
	Roches Point	d	d	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 25th February, 1943.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate southwest wind veering west to northwest; cloudy at first with light rain; fair later; mild becoming colder.
5 S.W. England 6 South Wales	Moderate west to northwest wind fresh locally; bright intervals; showers of rain or hail; rather cold.
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	Fresh squally west to northwest wind strong locally backing southwest later; bright intervals and squally showers of rain or hail at first with local thunder; rain later; rather cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Wind west to northwest strong to gale decreasing temporarily and backing southwest; showers of rain or hail with local thunder at first; rain later; cold.
16 Orkneys and Shetlands	
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7–12.

GENERAL INFERENCE

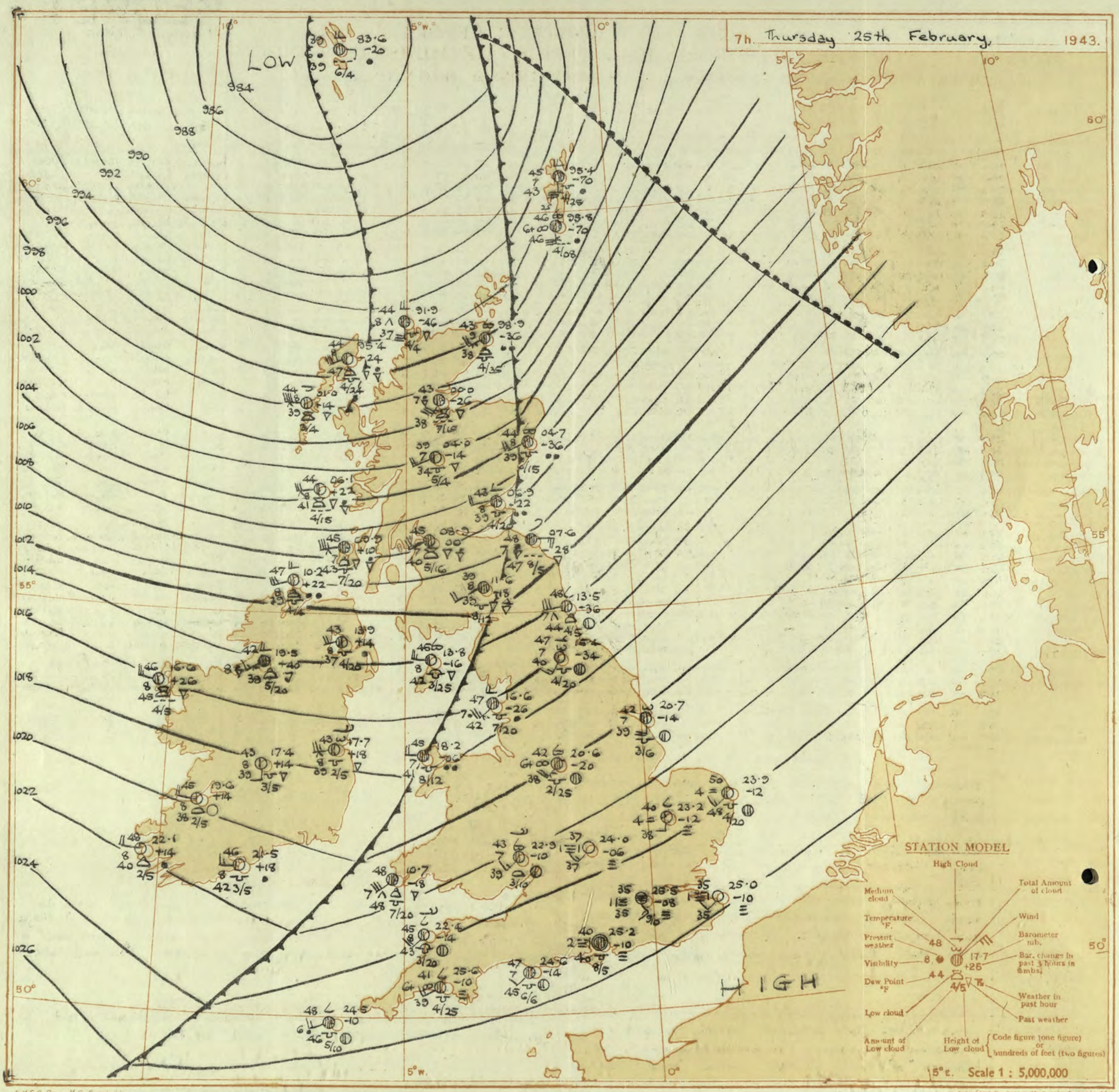
A deep depression near Faeroes is moving east and an associated cold front is crossing the British Isles. A ridge of high pressure west of Ireland is moving east and a deep depression is expected to approach Iceland later.

FURTHER OUTLOOK

Rain in the North and West spreading southeast but amounts in the South small and negligible.

Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

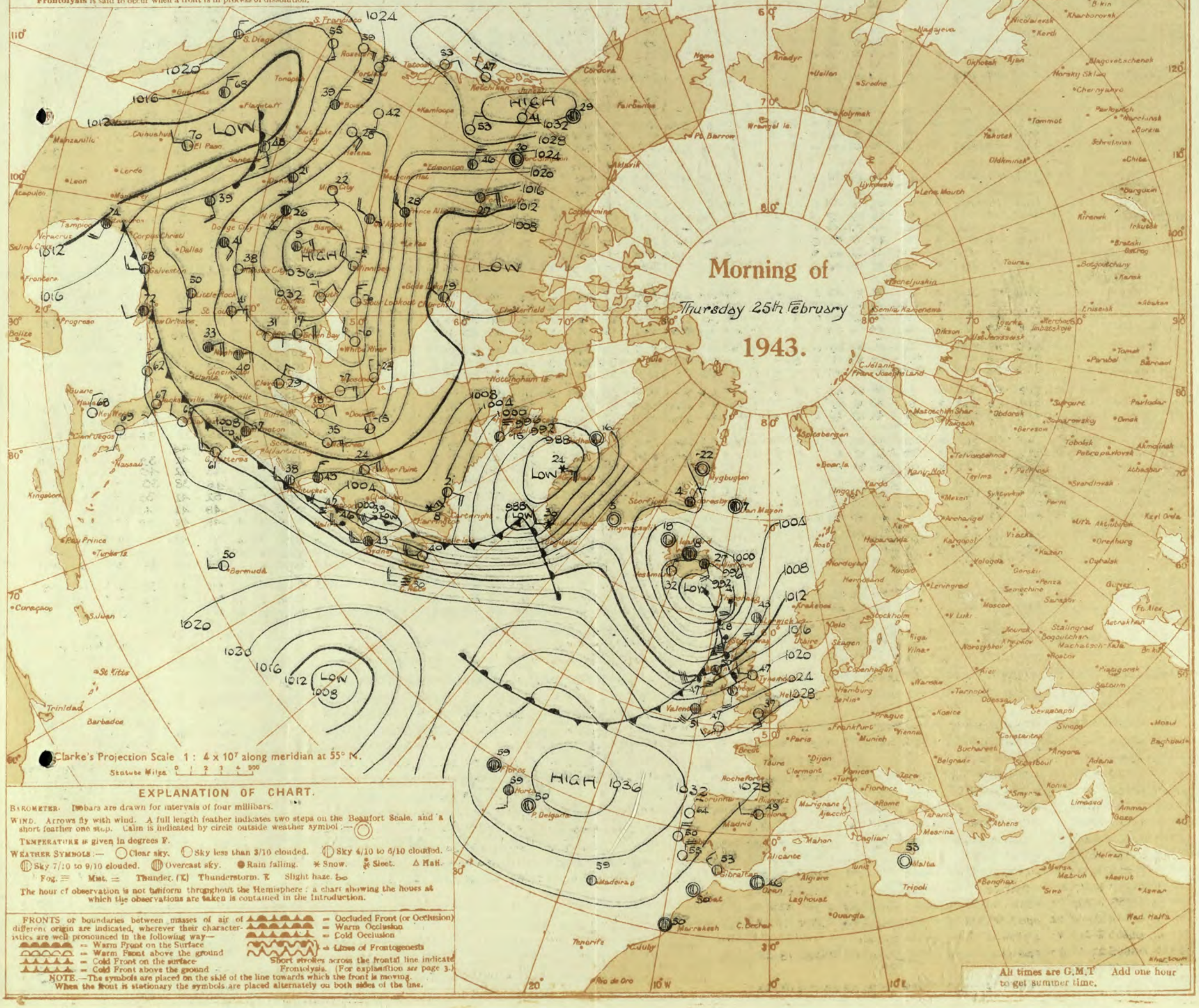
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. (K) 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

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

Thursday 25th February 1943

No. 29680

OBSERVATIONS at 1 hr. G.M.T. 25th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Croydon	290	27·5	-10	SSE	2	bF	37	97	37	3	-	-	-	0	0	-
	S. Farnborough	226	27·2	-10	-	0	m	31	92	31	4	-	-	-	0	0	-
	Boscombe Down	417	27·6	-10	-	0	bF+	36	97	36	1	-	-	-	0	0	-
	Thorney Island	10	27·4	-12	-	0	F	35	97	35	0	-	-	-	10	10	<150
	Lympne	283	27·9	-14	-	0	bF+	35	97	35	1	-	-	-	0	0	-
	Manston	154	27·4	-12	SSW	2	m	37	92	36	4	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	27·3	-10	-	0	m	40	97	40	4	-	-	-	0	0	-
	Gorleston	5	26·7	-8	SW	3	Zo	43	92	42	6	5	3	-	4-6	9	1500
	Mildenhall	15	26·0	-14	SSW	3	fg	44	85	41	5	-	3	-	0	4-6	-
	Cranwell	203	24·5	-22	SSW	4	Zo	45	85	41	6	5	-	-	10	10	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·2	-18	SSW	1	f+	39	97	39	2	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·9	-10	WSW	3	c	46	92	44	8	4	7	-	7-8	9+	2500
	Bristol	209	27·1	-14	-	0	fg	38	97	37	5	5	3	1	Tr	4-6	4000
	Portland Bill	32	27·0	-12	SW	2	c	47	85	43	7	5	-	-	9	9	4000
	Plymouth	82	27·8	-12	-	0	Zo	47	97	47	6	5	-	-	9+	9+	1000
	The Lizard	240	27·7	-14	WSW	3	c-bc	47	92	45	8	2	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	26·9	-12	SW	2	Zo	47	92	46	6	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	24·6	-18	SW	5	c	48	97	48	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	21·6	-24	S	4	c-bc	48	92	46	7	5	3	-	2-3	7-8	1200
	Chester (Sealand)	16	22·8	-22	S	1	c	44	92	42	6	5	1	-	9	10	2200
8	Manchester	235	22·8	-28	S	3	Zo	46	92	43	6	5	7	-	4-6	10	2500
10	Spurn Head	29	24·3	-18	SW'S	4	Zo	41	92	39	6	7	-	-	9	9	2500
	Catterick	175	21·9	-24	S	2	bcF+	44	85	41	3	5	7	-	4-6	4-6	1500
	Tynemouth	108	20·9	-30	W	3	b-bc	47	92	45	7	-	4	1	0	2-3	-
11	St. Abbs Head	280	15·8	-52	SW	4	bc	46	92	44	7	5	4	-	4-6	4-6	2500
	Leuchars	36	14·2	-48	SSW	2	bc	45	92	42	7	5	3	1	2-3	4-6	2500
12	Renfrew (Abbots I.)	19	13·5	-50	SSW	5	c/r	49	85	46	6	5	3	-	4-6	9+	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18·6	-24	SW	5	Zo	48	92	46	6	6	-	-	9+	9+	2500
13A	Tiree	44	07·2	-50	SSW	5	c	48	97	47	7	5	2	-	4-6	10	2000
13B	Stornoway	15	02·8	-70	S	8	iro	48	92	45	7	5	2	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·2	-44	SSW	4	c	43	85	38	7	5	2	-	4-6	10	2500
	Wick	114	09·7	-46	S	4	c-bc	44	75	37	8	8	-	-	7-8	7-8	1600
16	Sumburgh	19	08·8	-46	S	5	c	44	97	43	8	-	7	7	0	10	-
17	Blacksod Point	18	12·0	-20	WSW	8	RR	47	85	43	7	6	2	-	4-6	10	1500
18	Malin Head	84	08·5	-54	SSW	7	c/r	50	75	42	8	8	7	-	7-8	10	2500
	Aldergrove	268	15·2	-38	S'W	4	c	49	85	45	7	5	2	-	9+	10	1200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·4	-18	SW'S	6	s/pr	51	92	49	8	5	2	-	9	10	1500
	Roches Point	22	21·6	-22	SW	5	iro	49	97	48	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 25th February — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
1	London (Kew)	25·1	-8	WSW	2	F	34	97	34	1	-	-	-	10	10	<150	1	*	52	32	20	-	Tr	5·9
	Croydon	25·3	-8	SSE	3	F+	35	97	34	1	-	-	-	10	10	<150	0	*	56	34	32	-	-	7·2
	S. Farnborough	25·1	-8	SW'W	2	oF	37	97	36	2	5	-	-	10	10	400	0	*	57	27	20	-	-	7·6
	Boscombe Down	25·1	-12	-	0	cbcF	38	97	38	1	5	-	2	4-6	7-8	220	1	*	55	30	28	-	0·2	5·1
	Thorney Island	25·2	-10	-	0	oF-	40	97	40	2	5	-	-	10	10	2500	1	*	53	32	27	-	0·1	*
	Lympne	25·7	-10	WNW	1	F	37	97	37	1	-	-	-	10	10	<150	1	§ 1	51	32	23	-	0·1	8·0
	Manston	25·0	-10	SSW	2	bF-	35	97	35	1	-	-	-	0	0	-	1	*	52	33	32	-	-	7·7
2	Shoeburyness	25·1	-8	SW	2	m	39	92	37	4	-	3	1	0	7·8	-	3	*	53	35	25	-	-	5·6
	Felixstowe	24·8	-6	SW	1	lF	37	97	37	2	-	-	9	0	4-6	-	1	1	54	32	25	-	-	8·[illegible]
	Gorleston	23·9	-12	SW	3	m	50	92	48	4	5	-	-	4-6	4-6	2000	0	2	55	39	34	-	-	6·5
	Mildenhall	23·2	-12	S'W	2	m	40	92	38	4	-	4	-	0	1	-	0	*	53	39	31	Tr	Tr	4·6
	Cranwell	21·2	-14	SW	4	Zo	43	85	38	6	5	7	-	2-3	2-3	2000	0	*	54	39	35	-	-	5·0
3	Birmingham	21·8	-14	SSW	3	Zo	41	92	39	6	5	-	6	7-8	9+	1500	1	*	52	41	37	-	-	2·4
	Upper Heyford	24·0	-6	SW	3	bF-	37	92	37	1	-	-	-	0	0	-	0	*	51	35	32	-	-	*
4	Ross-on-Wye	22·9	-10	SW	3	bc	43	85	39	7	1	7	2	2-3	4-6	1000	1	*	54	43	31	Tr	-	2·3
5	Hartland Point	22·4	-14	SW	4	bc	45	92	43	8	4	4	2	2-3	4-6	2000	1	3	50	44	43	0·3	-	3·8
	Bristol	24·8	-6	S	1	Zo	39	97	38	6	5	4	6	Tr	9	800	1	*	53	37	31	Tr	-	2·1
	Portland Bill	24·6	-14	SW	2	c	47	92	45	7	5	-	-	9	9	4000	1	4	51	44	*	-	-	*
	Plymouth	25·6	-10	SW	3	Zo	41	92	39	6	5	4	-	4-6	4-6	2500	0	1	53	38	31	-	-	4·0
	The Lizard	25·0	-8	WSW	4	bc	47	85	44	8	7	-	-	4-6	4-6	1500	1	3	55	45	*	-	-	7·8
	Scilly (St. Mary's)	24·5	-10	SW'W	3	iro	48	92	46	6	5	4	-	7-8	9+	1000	1	3	54	50	*	-	11	6·3
	Guernsey																							
6	Pembroke	10·7	-18	SW	6	cq	48	97	48	7	8	-	-	9+	9+	2000	0	4	51	47	*	-	Tr	2·0
7	Holyhead (Valley)	18·2	-6	W	4	o/r	45	85	41	7	5	-	-	10	10	1200	1	5	51	42	41	-	2	*
	Chester (Sealand)	18·3	-22	SSW	3	iro	49	65	38	6	5	-	6	7-8	9+	4000	1	*	55	42	33	-	-	2·5
8	Manchester	18·7	-16	S	3	c	45	85	41	7	5	7	-	4-6	9	4000	1	*	53	43	38	-	-	*
10	Spurn Head	20·7	-14	S'W	4	c-bc	42	92	39	7	5	3	-	2-3	7-8	4000	0	2	53	41	*	-	-	5·1
	Catterick	15·4	-34	SSW	3	bc	47	75	40	7	5	3	8	4-6	4-6	2000	0	*	53	43	36	-	-	4·1
	Tynemouth	13·5	-36	WSW	6	c-bcq	48	85	44	7	2	4	-	4-6	7-8	2500	0	3	52	45	41	-	-	*
11	St. Abbs Head	07·6	-28	ESE	5	pr	48	97	47	7	6	-	-	10	10	2500	1		50	42	*	-	Tr	*
	Leuchars	06·9	-22	WSW	4	c/r	43	85	39	8	5	1	-	4-6	9	2000	1	*	51	42	38	-	1	5·5
12	Renfrew (Abbots I.)	08·9	0	SW'W	4	c-bc/pr	45	85	40	7	3	-	-	7-8	7-8	1600	1	*	51	41	38	Tr	2	3·8
	Eskdalemuir	11·6	-18	SW'W	4	o/phr	39	85	33	8	5	-	-	10	10	1200	1	*	46	37	36	0·1	8	0·0
	Point of Ayre	13·8	-16	W'N	5	bc	45	85	42	8	4	7	-	2-3	4-6	2500	1	4	51	44	*	2	2	0·3
13A	Tiree	06·1	-22	W'S	6	bc/pr	44	85	41	8	9	-	-	4-6	4-6	1500	1	5	50	42	39	-	1	6·4
13B	Stornoway	95·4	-24	SW	8	bc/pr	44	75	37	8	8	-	-	4-6	4-6	2400	1	6	48	42	40	1	1	0·0
15	Dalwhinnie	04·0	-14	SW	4	bc	39	85	34	7	5	-	-	4-6	4-6	1500	1	*	46	38	35	-	11	3·3
	Aberdeen †	04·7	-36	SW	4	c/r	44	85	39	8	5	7	-	9	10	1500	1	3	52	42	35	-	1	4·5
	Wick	98·9	-36	SW	4	c-bc/r	43	85	38	9	8	7	-	4-6	7-8	3500	1	*	49	42	40	-	1	*
16	Sumburgh	95·8	-70	S	6	Zo	46	97	46	6	6	7	7	4-6	10	800	1	4	46	44	39	1	0·1	3·6
17	Blacksod Point	16·6	+26	W'N	5	bc	46	97	45	8	9	-	-	4-6	4-6	2500	2	4	52	43	*	0·5	9	*
18	Malin Head	10·2	+22	SW'W	6	bc/r	47	75	39	8	8	2	-	4-6	4-6	2500	1	4	49	43		-	2	4·5
	Aldergrove	13·9	+14	WSW	4	bc	43	85	37	8	5	-	-	4-6	4-6	2000	1	*	52	41	38	0·1	2	2·3
19	Birr Castle	17·4	+14	S	2	b-bc	43	85	39	8	5	-	-	2-3	2-3	2500	1	*	55	42	39	0·3	2	1·9
20	Valentia Obsy.	22·1	+14	W'N	4	b	48	75	40	8	2	-	-	1	1	2500	1	4	54	47	42	0·2	1	0·0
	Roches Point	21·5	+18	W	3	b-bc	46	85	42	8	5	-	-	2-3	2-3	2500	1	4	53	46	*	0·1	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 24th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	86	02854	21685	53	02755	20316	52	61653	49528	52	22755	52667
115	87	02844	57527	87	02844	57527	52	81845	49588	52	14844	83687
203	5-	02848	20518				5-	25848	16628			
206	8-	25854	53486	57	02864	22388	37	02865	20228	9·	81747	51687
210	73	02964	20427	74	02963	19328	52	02962	15326	57	02864	18686
220	80	25854	22384	50	01843	21313				80	25754	23784
230	8-	10867	18387	20	02862	18387	62	62844	51368	9·	27755	20686
245	10	01953	21314	44	02864	20327	52	09664	17127	8-	22945	53467
260	80	02754	23315	5-	05666	18126	53	02764	53425	52	25857	55488
278	5-	02856	19267	87	01743	16284	5-	02847	16427	80	01841	23661
279	5-	58408	21368	57	05645	20368	5·	51628	19558	52	62744	22768
285	23	05626	26557	5-	05627	24527				2-	25637	24687
288	5-	02855	20425	57	02756	18327	51	05662	17314	54	02753	30517
576	80	02855	20215	5-	02847	20127	52	22845	49468	32	81855	53386
301	53	02755	20427	5-	05666	16326	05	05690	16326	52	61757	53568
321	86	05664	25344	04	05690	20225	50	08453	18224	04	05590	17344
2·9	40	05663	20213	5-	05656	22226	50	05554	22214			
292	53	05665	22226	53	05663	24126	53	08452	12126	57	05653	18417
310	--	03648	20328									
614				04	05590	22124	00	08490	20224	03	05590	18224
333				5-	02757	18327	5-	02635	49128	02	64538	18548
334	--	02644	26316								25637	22288
340	5-	02957	22317	5·	02855	24226	50	02788	18328	50	02854	20326
136	5-	05564	20218	04	05590	17128	03	05690	20212	53	08444	20215
336	13	02764	24416	57	02756	20428				53	02753	20446
350	5-	05667	24327	30	05674	16125	50	05573	18113	54	05523	20344
368	84	02755	22356	80	01752	22214	53	01742	00003	53	01743	20314
379	7-	05547	22227				--	46209	22349	--	48209	18349
390	00	05690	26211	54	05562	00014	00	47290	00040	--	48009	16249
382	7-	05667	20127	5-	05666	21125	00	47290	00010	00	43390	00040
438	54	05653	24214	04	01690	24313	00	05690	24240	51	47136	24245
430	00	05690	22213	00	05690	22215	--	48009	00049	5-	43247	00047
409	5-	02725	21328	50	02734	22127	50	09504	17144	54	02743	18215

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 25th February
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bccffZo	tcZo bcm	bomex
Croydon	cmbcZo	bcZo cZo	bmwr
Greenwich	bm	bbcZob	bmoxof
Camden Square	o	c	*
Kensington	bc	bc	*
Hampstead	bc	of	of

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended
Max. 1·0 20-22hrs 24th
Min. Time 0·1 13-16hrs 24th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	52	32	20	-	Tr	5·9	*	*
Croydon	56	34	32	-	-	7·2	*	*
Greenwich	54	33	25	-	Tr	7·0	62	97
Westminster	55	32	30	-	-	*	65	94
Regents Park	54	34	26	-	-	*	68	95
Camden Square	55	35	26	-	-	*	*	98
Kensington	56	33	23	-	Tr	*	49	92
Hampstead	53	33	30	-	-	*	*	97

SECRET

Page 1

BRITISH SECTION

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

Friday 26th February 1943

No. 28681

OBSERVATIONS at 13h. G.M.T. 25th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22·7	-16	SW	3	z	49	75	40	6	7	-	7	1	10	2500
	Croydon ...	23·5	-18	SW	3	c	51	75	43	7	4	-	6	Tr	9+	2000
	S. Farnborough	23·0	-18	SW'W	4	c-bc	52	65	40	7	1	7	8	Tr	7-8	2500
	Boscombe Down	23·2	-14	SW'W	4	c	51	75	43	8	5	7	-	7-8	9+	2000
	Thorney Island	23·8	-14	SW	2	c-bc	51	65	40	8	1	-	8	2-3	7-8	2500
	Lympne ...	25·0	-10	WSW	2	c	46	92	44	7	5	-	4	7-8	10	1800
	Manston ...	23·5	-14	W'S	3	z	48	75	40	6	-	-	8	0	9	-
2	Shoeburyness ...	22·8	-12	SSW	2	z	51	75	43	5	-	4	2	0	7-8	-
	Felixstowe ...	22·8	-14	SW	3	bcf	48	75	41	3	-	-	6	0	4-6	-
	Gorleston ...	21·8	-16	SW'W	3	c-bc	52	65	42	7	5	7	-	4-6	7-8	2000
	Mildenhall ...	21·3	-14	SW'S	4	c	50	65	41	7	-	7	8	0	9+	-
	Cranwell ...	19·7	+2	WSW	4	z	47	75	40	6	5	7	5	4-6	9	3500
3	Birmingham ...	21·1	0	WSW	3	bc	46	75	39	7	5	7	-	2-3	4-6	4000
	Upper Heyford	21·5	-18	W'S	3	dd	48	85	43	6	5	2	-	2-3	10	1200
4	Ross-on-Wye	22·1	0	SW	3	c	47	75	39	8	5	7	-	4-6	9+	2500
5	Hartland Point	23·8	+12	NW	2	c/r	46	85	41	8	5	-	-	9	9	2000
	Bristol ...	23·3	-4	W	4	dbd	48	92	46	6	5	-	-	10	10	1500
	Portland Bill ...	23·7	-6	SW	3	c	49	92	47	8	5	-	-	10	10	4000
	Plymouth ...	24·8	-6	W	4	c	50	92	48	7	5	7	-	7-8	10	1000
	The Lizard ...	24·8	-2	WNW	4	pr	52	55	40	7	5	-	-	9+	9+	1000
	Scilly (St. Mary's)	25·8	+10	NW'N	4	qjp	47	85	42	8	5	-	-	10	10	1500
	Guernsey ...															
6	Pembroke ...	23·9	+4	WNW	4	bc	50	75	43	8	8	-	-	4-6	4-6	2000
7	Holyhead (Valley)	20·1	+8	WSW	4	bc	50	65	39	8	8	6	5	2-3	4-6	3500
	Chester (Sealand)	20·1	+14	NW	3	c-bc	50	55	46	8	2	-	-	7-8	7-8	2500
8	Manchester ...	19·6	+2	WSW	5	bc	48	75	39	8	2	-	-	4-6	4-6	2500
10	Spurn Head ...	19·1	+2	WSW	4	c	47	65	46	7	7	3	-	4-6	9+	1500
	Catterick ...	17·3	+8	W	4	bc	49	65	37	8	8	-	-	4-6	4-6	2000
	Tynemouth ...	15·3	+6	W	5	b	49	75	41	6	2	-	-	4-6	4-6	1500
11	St. Abbs Head	10·7	+8	W	5	b-bc	48	65	45	8	1	-	-	2-3	2-3	3000
	Leuchars ...	10·0	+14	W	5	bc/pr	47	65	35	8	3	6	-	2-3	4-6	2000
12	Renfrew (Abbots I.)	13·9	+24	WSW	4	bc/pr	43	85	37	8	5	7	3	4-6	4-6	2000
	Eskdalemuir ...	14·4	+14	WSW	5	phr	45	65	34	8	8	-	-	7-8	7-8	2200
	Point of Ayre ...	17·7	+14	W'N	5	bc	51	75	43	8	3	-	-	4-6	4-6	2500
13A	Tiree	13·4	+26	NW'W	5	cbcjp	43	85	38	8	3	6	3	1	7-8	1500
13B	Stornoway ...	06·0	+60	W	7	cbc/phr	42	85	37	8	3	-	3	4-6	7-8	2500
15	Dalwhinnie ...	10·0	+20	SW	5	c-bc	37	85	34	7	5	4	-	4-6	7-8	1500
	Aberdeen ...	06·4	+12	WSW	5	b	51	45	39	9	3	4	-	1	1	2500
	Wick ...	00·7	+14	WSW	7	b-bc/pr	45	65	35	9	8	-	-	2-3	2-3	2000
16	Sumburgh ...	89·3	-18	SW'W	10	pr	44	97	43	6	9	6	-	7-8	9+	900
17	Blacksod Point	22·3	+26	W	5	bc	47	65	37	8	8	4	-	2-3	4-6	4000
18	Main Head ...	16·3	+22	WNW	6	PHR	47	65	37	8	9	-	-	9+	9+	1500
	Aldergrove ...	18·6	+20	WNW	4	pr	44	85	38	7	8	-	-	9+	9+	2000
19	Birr Castle ...	22·9	+22	WNW	2	c-bc	44	75	37	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	26·3	+18	NW'N	4	bc/pr	50	65	40	8	2	-	-	4-6	4-6	2500
	Roches Point	25·1	+14	W'N	5	c-bc/pr	47	85	43	8	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 25th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·7	+16	WNW	2	c/r	45	85	41	6	5	7	-	9	9+	2500	1	*
	Croydon ...	23·8	+8	W	3	rr	47	92	43	5	6	7	-	4-6	10	600	1	*
	S. Farnborough	23·8	+14	W'S	2	c/r	45	92	42	7	4	7	-	7-8	9+	1600	1	*
	Boscombe Down	24·2	+14	WNW	2	bc	43	92	41	6	5	7	8	1	4-6	5000	0	*
	Thorney Island	23·6	+2	NW	2	id	48	85	43	7	5	-	-	10	10	2500	1	*
	Lympne ...	23·6	+2	S	2	c	43	92	42	6	-	5	6	0	9+	-	1	§3
	Manston ...	23·4	+8	SW'S	3	z	44	92	42	6	-	9	5	0	9	-	1	*
2	Shoeburyness ...	23·0	-2	SW	2	z	48	85	44	5	5	-	-	10	10	4000	1	*
	Felixstowe ...	22·5	+2	WNW	4	rr	46	85	42	5	3	2	-	7-8	10	2000	1	3
	Gorleston ...	21·6	+10	W	2	c	49	85	42	7	5	-	-	10	10	1500	0	3
	Mildenhall ...	22·0	+4	SW'W	2	z	46	85	41	6	5	7	-	4-6	9	4000	0	*
	Cranwell ...	21·3	+14	NW	3	z	46	65	36	6	5	7	-	9	10	2500	0	*
3	Birmingham ...	23·2	+6	N'E	3	o	45	75	38	6	5	7	-	2-3	7-8	2500	1	*
	Upper Heyford	22·6	+10	WSW	1	c-bc	42	92	39	8	8	7	2	2-3	7-8	3000	0	*
4	Ross-on-Wye	23·6	+14	W	3	b-bc	46	65	36	8	5	7	8	1	2-3	3000	1	*
5	Hartland Point	25·7	+14	WNW	4	b-bc	46	85	41	8	2	4	-	1	2-3	2000	1	4
	Bristol ...	24·7	+14	WSW	3	z	45	85	42	6	1	-	6	Tr	4-6	2500	1	*
	Portland Bill ...	24·8	+8	W	2	c/pr	47	92	45	7	5	-	-	10	10	4000	1	3
	Plymouth ...	26·6	+14	NW	3	z	47	75	40	6	8	4	-	2-3	2-3	2500	0	2
	The Lizard ...	27·4	+20	NW	4	bc	47	75	40	8	4	-	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	27·6	+16	NW'N	4	b-bc	48	75	41	8	8	4	-	2-3	2-3	1200	1	3
	Guernsey ...																	
6	Pembroke ...	25·5	+16	W'N	4	bcq	47	85	43	8	2	6	-	2-3	4-6	2500	0	3
7	Holyhead (Valley)	23·8	+18	W'N	5	bc/pr	44	75	37	8	3	6	-	2-3	4-6	2000	1	3
	Chester (Sealand)	22·8	+24	NW	3	bc	45	75	38	8	5	7	-	2-3	4-6	3000	1	*
8	Manchester ...	22·4	+26	WSW	3	bc/pr	43	85	38	6	2	6	3	2-3	4-6	2500	1	*
10	Spurn Head ...	20·1	+12	W'S	4	z	45	75	37	6	7	3	-	4-6	9	2500	0	3
	Catterick ...	20·1	+18	W	3	c-bc	42	85	37	8	8	-	-	7-8	7-8	2000	1	*
	Tynemouth ...	18·3	+12	NW'W	3	b-bc	43	85	37	6	2	3	-	2-3	2-3	2500	1	3
11	St. Abbs Head	14·6	+16	W	5	bc	42	65	32	7	5	4	-	4-6	4-6	3000	0	5
	Leuchars ...	16·1	+42	WNW	4	b	41	75	32	8	8	-	-	1	1	3000	0	*
12	Renfrew (Abbots I.)	18·9	+44	W	3	bc/pr	42	75	35	8	3	-	-	4-6	4-6	2000	1	*
	Eskdalemuir ...	18·4	+20	W	4	b-bc	37	85	33	8	8	-	-	2-3	2-3	2500	1	*
	Point of Ayre ...	21·4	+30	NNW	5	pr	43	85	39	8	3	-	-	4-6	4-6	2000	0	5
13A	Tiree	19·8	+40	NW	6	bc/pr	44	75	37	8	3	-	-	4-6	4-6	2000	1	5
13B	Stornoway ...	15·1	+38	WNW	6	bc/pr	38	85	33	8	3	-	3	4-6	4-6	1800	1	4
15	Dalwhinnie ...	16·0	+44	W	3	c	35	75	27	7	8	-	-	4-6	4-6	2500	4	*
	Aberdeen ...	10·2	+28	W	2	b	41	65	31	7	8	-	-	1	1	2500	1	3
	Wick ...	10·2	+46	NNW	6	c-bc/pr	41	65	32	8	8	-	-	7-8	7-8	1500	1	*
16	Sumburgh ...	02·3	+112	NW	8	pr	40	75	32	7	9	-	-	9+	9+	2000	1	6
17	Blacksod Point	26·9	+28	NW'W	4	b-bc	45	65	35	8	8	-	-	2-3	2-3	4000	1	4
18	Main Head ...	21·6	+30	NW	5	bc/pr	43	65	33	8	9	-	-	4-6	4-6	1500	1	4
	Aldergrove ...	23·2	+38	-	0	b-bc	39	85	35	9	3	6	3	2-3	2-3	2200	1	*
19	Birr Castle ...	26·1	+34	WNW	2	c-bc	44	75	37	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	29·9	+22	NW'N	3	bc/pr	46	75	39	8	1	-	3	2-3	4-6	2500	1	3
	Roches Point	27·9	+26	NW	5	c-bc/pr	47	85	43	8	3	-	5	1	2-3	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 25th (39)	13h.–18h. 25th (40)	18h. 25th to 1h. 26th (41)	1h.–7h. 26th (42)
1	London (Kew)	Feffcz	zqrrc	bcbmow	bmox
	Croydon ...	ofmc	ccmr	cmrrobm	
	S. Farnborough	ofmbcebc	bccrdc	cmbmob	bx
	Boscombe Down	cfcmc	cdrcm	bcbmbm	bmowbx
	Thorney Island	ofcmc	ccid	bm	bmobwx
	Lympne ...	oFemc	c	Clrobcbm	bcmobw
	Manston ...	cmz	czcm	clrmobcmcm	bmo
2	Shoeburyness ...	ombc	bcmc	crrbc	bmo
	Felixstowe ...	bcfexbcf	cmcnrm	Clobcbmo	bbmo
	Gorleston ...	bczc	c	bcb	bwx
	Mildenhall ...	bcmc	czcom	cmobcmobwbwbmowx	
	Cranwell ...	cirm	cbccz	czobcmobmow	bzo
3	Birmingham ...	cin	bcc	cb	bmx
	Upper Heyford	cfcd	cidmc	cbcb	bbmox
4	Ross-on-Wye	cede	cbcy	bb	bbx
5	Hartland Point	cdirc	cbc	bcb	cbc
	Bristol ...	cmwccid	cirmcbcm	bcbfgbmo	bbx
	Portland Bill ...	cc	cpr	bcb	bbc
	Plymouth ...	cmc	crrpirc	bmob	bx
	The Lizard ...	cpr	prcbc	bcw	bcbbc
	Scilly (St. Mary's)	cpc	cbc	bcbbc	bcm
6	Pembroke ...	cbc	bcq	bcq	bcqbc
7	Holyhead (Valley)	bbc	bcbjp	cb	bw
	Chester (Sealand)	bcy	bccpr	bcphb	bmobcb
8	Manchester ...	prhrr	czpr	bcbmo	bbcbmox
10	Spurn Head ...	c	cm	cbmo	b
	Catterick ...	cirbc	cbc	b	b
	Tynemouth ...	cfqbc	bcpbc	bcb	bbc
11	St. Abbs Head	cphrbcb	cprbbc	bcb	bbc
	Leuchars ...	cbc	bcprcbcb	bbc	bccx
12	Renfrew (Abbots I.)	cprbc	bcprbcpr	bc	bcprobcmc
	Eskdalemuir ...	cbcprph	bcprphb	bprh	bbcpro
	Point of Ayre ...	bcbcbc	bcpr	prob	b
13A	Tiree	cpshqph	cprbc	bcb	bbcc
13B	Stornoway ...	prbcph	cpcbc	bccprbc	bcphobccir
15	Dalwhinnie ...		bcpshc	cprs	cpro0
	Aberdeen ...	cby	bycpcb	b	bbccx
	Wick ...	bcprbc	bcprcprbcc	cprobcc	c
16	Sumburgh ...	cpro	cprprpro	cphoc	c
17	Blacksod Point	pr	bc	bc	bc
18	Main Head ...	pr	pr	pr	r
	Aldergrove ...	cbccpro	cphrbc	bcprrb	bbcx
19	Birr Castle ...	pr	pr		bc
20	Valentia Obsy.	pr	pr	pr	b
	Roches Point	pr	pr	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 26th February

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England South Wales	Light north or northwest winds backing westerly, fine at first becoming cloudy; rather cold becoming milder
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light to moderate westerly wind; fine becoming cloudy with some slight local rain in west; mild.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate to fresh west or southwest winds, strong locally on exposed coasts; cloudy with occasional rain; mild.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	As 13A-15
19 S.E. Ireland 20 S.W. Ireland	As 1-6

GENERAL INFERENCE

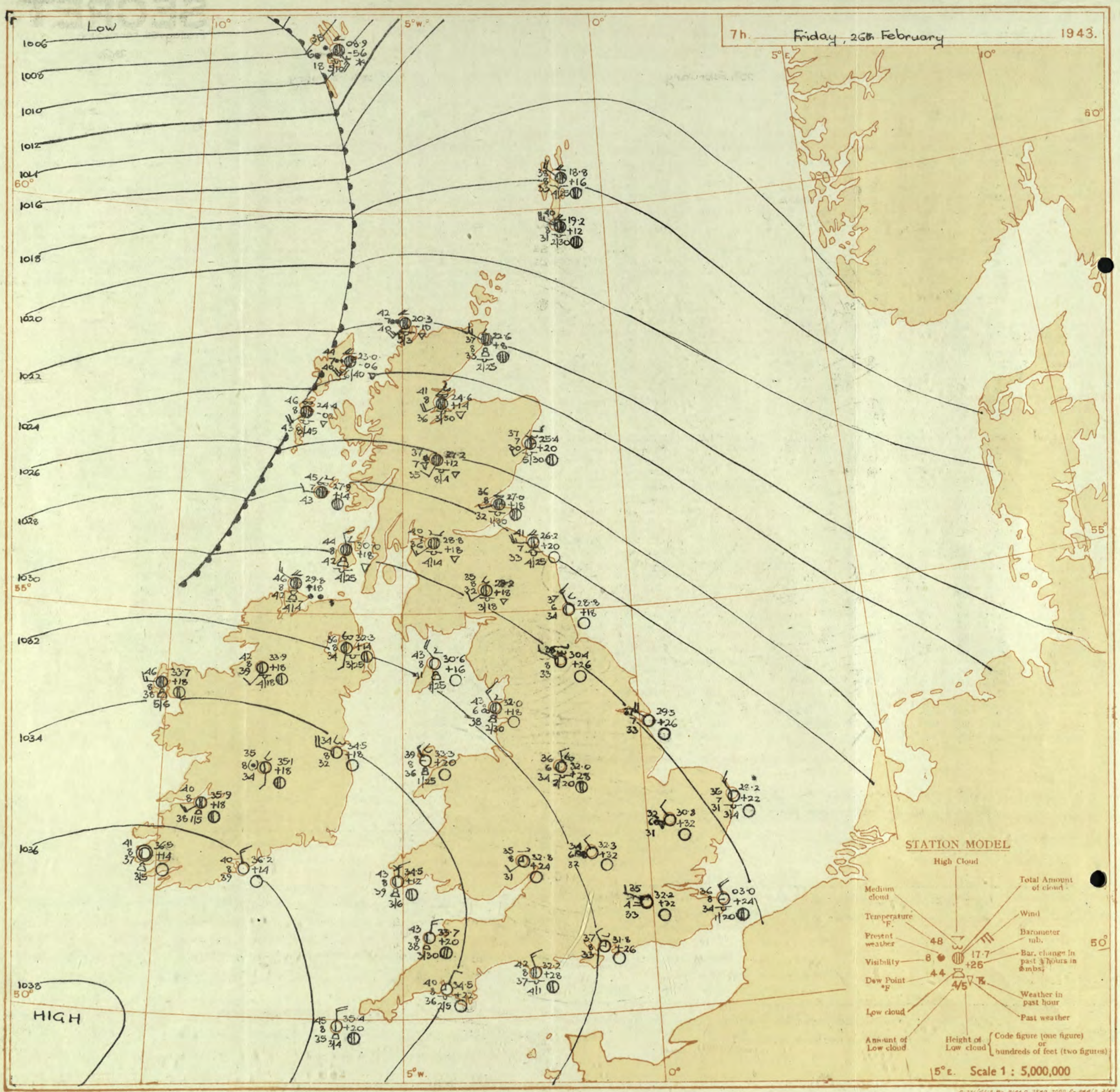
An intense anticyclone is centred southwest of the British Isles. A depression centred near Iceland is moving east and an associated trough, feeble in the south, will cross the British Isles. It will be fine over England, Wales and Southern Ireland at first but will become cloudy in these areas. In Scotland and Northern Ireland it will be cloudy with occasional rain. It will become mild generally.

FURTHER OUTLOOK

Mild generally. Cloudy but dry in South. Occasional rain in North.
Gale warning in operation in districts 13b, 15 and 16. Time of issue 0805 26th February 43

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

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. (Z) Thunderstorm. Z 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

BRITISH SECTION

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

Friday, 26th February 1943

No. 29681

OBSERVATIONS at 1 hr. G.M.T. 26th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon	290	27·4	+18	W	2	m	39	92	37	4	-	4	-	0	1	-
	S. Farnborough	226	28·2	+22	WNW	1	b	36	92	34	7	-	4	-	0	Tr	-
	Boscombe Down	417	28·7	+20	NW'N	3	zo	37	85	35	6	-	-	-	0	0	-
	Thorney Island	10	37·8	+18	NW	2	zo	38	92	36	6	-	-	-	0	0	-
	Lympne	283	26·1	+12	W'N	2	zo	39	92	37	5	-	4	-	0	2-3	-
	Manston	154	25·8	+10	NW'W	3	c	42	85	38	6	-	3	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	25·2	+12	NW	3	zo	41	85	38	6	-	7	-	0	0	-
	Gorleston	5	24·6	+20	NW	2	b	40	85	36	7	-	4	-	0	1	-
	Mildenhall	15	26·1	+12	W'N	3	b	37	92	35	7	-	-	-	0	0	-
	Cranwell	203	26·5	+22	W'S	2	zo	34	92	33	5	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27·7	+18	NW	2	b	36	92	33	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30·2	+18	NNW	4	b	45	75	36	8	-	-	-	0	0	-
	Bristol	209	29·7	+20	WSW	2	b	36	85	33	7	-	-	-	0	0	-
	Portland Bill	32	28·7	+18	NNW	4	b	46	85	42	8	-	-	-	0	0	-
	Plymouth	82	31·0	+14	NW	2	b	41	92	39	8	5	-	-	Tr	Tr	2500
	The Lizard	240	31·5	+14	NNW	3	bc	41	85	38	8	4	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	32·3	+18	N'W	4	bc	46	75	39	8	1	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	34·3	+20	NW'W	4	b-bcq	44	85	39	8	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	29·7	+22	NW	1	b	41	85	37	8	-	-	-	0	0	-
	Chester (Sealand)	16	28·5	+20	NW	2	b	41	85	36	7	5	-	-	Tr	Tr	3500
8	Manchester	235	27·9	+22	W'N	3	zo	38	92	35	6	5	-	-	Tr	Tr	2500
10	Spurn Head	29	24·7	+14	WNW	5	zo	39	85	36	6	-	-	-	0	0	-
	Catterick	175	25·9	+26	WNW	4	b	40	75	32	8	-	-	-	0	0	-
	Tynemouth	108	24·9	+20	W	3	b	38	85	33	7	-	-	-	0	0	-
11	St. Abbs Head	280	21·5	+22	W	5	b-bc	40	65	30	7	4	-	-	2-3	2-3	2500
	Leuchars	36	23·3	+26	SW	2	bc	34	85	29	8	5	-	8	Tr	4-6	3000
12	Renfrew (Abbots I.)	19	25·6	+20	W'S	3	b-bc	39	85	36	7	3	-	-	2-3	2-3	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	27·3	+14	NW	5	b	43	85	38	8	3	*	*	Tr	Tr	2000
13A	Tiree	44	25·9	+18	NW'W	4	b	43	75	36	8	-	6	-	0	Tr	-
13B	Stornoway	15	23·1	+26	W	3	phr	38	97	37	8	3	-	3	4-6	4-6	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	21·1	+24	WNW	4	bc	38	75	31	9	5	-	1	4-6	4-6	3000
	Wick	114	19·8	+30	WNW	4	c	37	85	33	8	8	-	-	9+	9+	2000
16	Sumburgh	19	15·1	+46	NNW	6	c/ps	37	65	26	7	3	-	-	9+	9+	2000
17	Blacksod Point	18	31·8	+14	W'N	3	bc	45	75	38	8	8	-	-	4-6	4-6	4000
18	Malin Head	84	27·1	+18	WNW	3	bc	45	75	38	8	9	-	-	4-6	4-6	1500
	Aldergrove	268	29·1	+18	SW	2	b	36	85	33	7	5	-	-	1	1	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	34·3	+10	-	0	b-bc	42	85	38	8	2	-	-	2-3	2-3	2500
	Roches Point	22	33·7	+16	NW'N	4	b	44	92	42	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 26th February / PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temp. Max. Day 7h–18h °F. (33)	Temp. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	32·0	+30	NW'N	2	zo	37	85	33	6	-	-	-	0	0	-	1	*	52	37	24	1	0·1	2·0
Croydon	32·2	+32	WNW	2	m	35	92	33	4	-	-	-	0	0	-	1	*	54	34	27	1	1	1·8
S. Farnborough	32·4	+28	W	2	b	34	92	32	7	-	-	5	0	Tr	-	1	*	54	34	23	0·5	Tr	3·3
Boscombe Down	33·1	+30	NW	2	b	33	92	32	7	-	-	-	0	0	-	0	*	53	32	28	0·3	Tr	3·3
Thorney Island	31·8	+26	NW'N	2	b	37	85	33	8	-	-	1	0	1	-	1	*	52	35	27	Tr	Tr	*
Lympne	30·1	+24	NW	3	zo	35	92	33	6	-	-	1	0	Tr	-	1	§ 1	50	35	31	0·1	1	2·4
Manston	30·0	+24	N'W	4	b	38	85	34	6	5	-	-	Tr	Tr	2000	1	*	52	38	36	Tr	1	6·2
Shoeburyness	30·8	+14	NW	3	zo	35	92	32	5	-	-	-	0	0	-	3	*	53	34		-	1	
Felixstowe	30·8	+36	NNW	3	zo	35	85	32	6	-	-	-	0	0	-	1	3	49	34	31	0·3	Tr	5·3
Gorleston	28·2	+22	NW	3	b-bc	36	85	31	7	5	-	-	2-3	2-3	1500	0		54	34	29	-	-	4·9
Mildenhall	30·8	+32	NW'W	2	zo	32	97	31	6	-	-	-	0	0	-	0	*	51	*	19	-	-	2·9
Cranwell	31·2	+24	W'N	2	zo	35	85	32	6	-	-	8	0	Tr	-	0	*	51	32	29	-	-	3·7
Birmingham	32·2	+38	WNW	3	m	37	92	35	4	-	-	-	0	0	-	1	*	51	35	27	0·1	-	1·9
Upper Heyford	32·3	+32	NW	2	zo	34	97	32	6	-	-	-	0	0	-	0	*	50	33	27	0·2	-	*
Ross-on-Wye	32·8	+24	SW	2	b	35	85	31	8	-	-	1	0	Tr	-	1	*	52	35	25	Tr	-	1·8
Hartland Point	33·7	+20	N	3	b-bc	43	85	38	8	1	-	-	2-3	2-3	3000	1	4	48	41	40	2	-	2·0
Bristol	34·3	+34	SW	1	fg	35	85	32	6	-	-	-	0	0	-	3	*	50	32	26	0·3	-	1·9
Portland Bill	32·2	+28	NNW	3	bc	42	85	37	8	5	-	-	4-6	4-6	220	0	3	49	39	*	0·2	-	*
Plymouth	34·5	+22	NNE	1	b	40	85	36	8	5	4	-	1	1	2500	0	1	51	39	31	0·4	-	1·5
The Lizard	34·8	+24	N	2	b-bc	38	92	35	8	4	-	-	2-3	2-3	2500	0	3	53	35	*	0·2	Tr	2·7
Scilly (St. Mary's)	35·4	+20	N	4	b-bc	45	65	35	8	1	-	-	2-3	2-3	1500	0		53	45	*	0·1	-	3·5
Guernsey																							
Pembroke	34·5	+12	ESE	3	b-bc	43	85	39	8	2	-	-	2-3	2-3	4000	0	3	51	41		2	-	5·4
Holyhead (Valley)	33·3	+20	NW	1	b	39	92	36	8	2	4	1	Tr	Tr	2500	1	2	51	38	36	Tr	0·2	*
Chester (Sealand)	32·1	+22	NW	2	b-bc	41	85	37	6	8	-	-	2-3	2-3	3000	1	*	52	38	29	4	1	4·6
Manchester	32·4	+26	W'S	3	zo	36	92	34	5	4	-	-	2-3	2-3	4000	1	*	50	35	27	2	-	*
Spurn Head	29·5	+26	W'N	4	b	37	85	33	7	-	-	-	0	0	-	0	3	50	37		-	-	4·0
Catterick	30·4	+26	WNW	1	b-bc	38	85	33	8	-	3	1	0	2-3	-	1	*	50	38	32	0·5	Tr	4·3
Tynemouth	28·8	+18	NW	3	b	37	85	34	6	-	4	-	0	1	-	1	2	50	36	32	1	-	*
St. Abbs Head	26·2	+20	W	5	bc	41	75	33	7	4	2	-	4-6	4-6	2500	0	4	49	39	*	3	-	
Leuchars	27·0	+18	WSW	1	c	36	85	32	8	5	7	9	Tr	9+	3000	3	*	51	33		Tr	-	7·9
Renfrew (Abbots I.)	28·8	+18	SW'W	3	c	40	85	36	7	5	-	7	4-6	10	1400	1	*	50	36		2	1	3·3
Eskdalemuir	29·2	+18	WSW	2	bc	35	85	32	8	5	4	-	2-3	4-6	1800	1	*	46	34	30	2	1	3·5
Point of Ayre	30·6	+16	NW	4	b-bc	43	85	41	8	2	-	5	Tr	2-3	2500	0	3	51	41	*	0·2	Tr	6·6
Tiree	27·9	+14	W	2	c	45	92	43	7	-	7	7	0	10	-	1	2	47	48	35	2	-	3·5
Stornoway	23·0	-6	SW	5	roro	44	85	40	7	-	2	-	9	9	4000	1	3	49	35	31	0·5	3	
Dalwhinnie	27·7	+12	SW	2	pr	37	92	35	7	5	-	-	10	10	1500	4	*	42	33	31	7	1	0·0
Aberdeen †	25·4	+20	SW'W	2	c	37	75	30	7	5	5	8	7-8	9	3000	1	2	51	36	28	0·1	-	7·2
Wick	22·6	+8	W'N	3	c	37	85	33	8	8	1	-	1	10	2500	1		48	34	32	0·6	-	*
Sumburgh	19·2	+12	W'N	5	c	40	65	31	8	5	2	-	1	10	3000	1	4	48	35	31	3	0·2	0·7
Blacksod Point	33·7	+18	W	3	c-bc	46	75	38	8	8	-	-	7-8	7-8	4000	1	2	49	44	*	1	-	
Malin Head	29·8	+18	WNW	3	c/r	46	85	42	8	9	2	-	4-6	9	1500	1	4	51	42	-	3	-	1·5
Aldergrove	32·3	+14	SSW	1	bc	36	92	34	8	5	7	-	2-3	4-6	2500	1	*	48	33	28	4	1	5·0
Birr Castle	35·1	+18	S	1	b-bcjp	35	97	34	8	-	4	-	0	2-3	-	1	*	50	32	27	1	-	5·2
Valentia Obsy.	36·5	+14	-	0	b-bc	41	85	37	8	2	-	-	2-3	2-3	2500	1	1	50	41	34	0·2	0·2	6·4
Roches Point	36·2	+14	N'W	3	bc	40	97	39	8	-	-	-	0	0	-	1	3	50	38	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIi	13h. G.M.T. 25th February $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 26th February $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	8-	02646	56986	8·	01754	69784	5·	05655	28415	52	62646	55468
115	32	81744	51887							52	62735	53588
203										5-	03848	16528
206	96	25844	57683	96	81744	22585	80	01863	25483	37	02863	22488
210	36	25854	53686	36	25843	23484	32	81646	23488	47	02864	19227
220				3-	21855	26485				57	02755	23428
230	9-	88957	55587	9-	81757	70587	30	25853	26383	8·	02867	18327
245	30	25944	55584	30	01942	22372	00	00990	22200	57	02853	23215
260	9-	25757	53587	20	05645	*	00	00890	53300	07	02790	20228
278	84	25847	25487	9-	02854	69484	30	01843	24483	27	81845	23416
279	8-	02155	20858	36	01853	25384	00	00890	26216	83	01861	23202
285				23	25744	26395				27	05634	28526
288	8-	02555	22425	24	01861	22313				07	01790	19203
575	5-	25757	24487	80	25852	24282	50	01853	24103	50	01844	20214
301	20	01851	22412	23	01851	28413	00	05690	28300	20	05662	28304
321	14	05653	22324	87	05663	24326	00	05690	26300	00	08490	00000
2.?	56	05653	20413	41	01753	20314	00	00790	24200	04	00790	26301
292	26	25856	24485	36	25853	24384	00	00890	28300	00	00890	28100
310				--	88628	24428				--	01626	24416
614	23	05665	24227	86	05652	24226	00	05690	25110	00	05590	28100
333	80	01853	24414	33	00864	28314	5·	01853	28113	84	01753	28103
334	--	02645	28316	--	02643	28314				--	01602	00013
340	26	01853	24363	37	25855	24387	00	00790	28200	43	01890	28203
136	57	05646	19448	53	05671	20124	00	05690	26210	00	05690	26200
336	10	01764	24414	23	25754	28485				50	01153	28313
350	32	02755	57447	57	05653	22324	00	05690	26310	00	05690	26300
368	57	61756	24367	90	01663	24564	00	00790	26300	00	00690	30002
379	62	51506	22358	11	02752	24236	40	01752	26412	00	00790	28400
390	00	41490	20247	57	21566	24258	03	08490	24112	00	05690	26200
382	77	02864	22427	17	05661	25225	50	01761	26101	00	04890	28100
438	54	01643	20314	57	02755	20317	00	05690	24310	00	05690	82410
430	50	02745	20327				54	05651	26201	00	00790	30200
409	5-	62628	30268	14	01843	29313	14	05653	31314	14	01853	02213

IIi = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of .... Day 7h—18h Kew and Croydon, 9h—18h Kensington, 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	fefcze	zoqrorc	bmx
Croydon	ofcme	ccmoro	cmrrbm
Greenwich	ofbc	csoror ⊗	rcbxmo
Camden Square	o	c	*
Kensington	bfbc	opor	*
Hampstead	ofbc	or	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. Time 0·5 8-9 hrs 25th; Min. Time <0·1 9/4 hrs 26th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	52	37	24	1	0·1	2·0	*	*
Croydon	54	34	27	1	1	1·0	*	*
Greenwich	53	37	29	1·0	0·8	2·3	61	79
Westminster	54	37	31		1·4	*	63	80
Regents Park	52	36	32	-	0·7	*	69	73
Camden Square	53	37	30		1·3	*	*	76
Kensington	53	36	31	Tr	1·1	*	91	77
Hampstead	52	34	28	0·5	1·0	*	*	73

SECRET

Page 1

BRITISH SECTION

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

Saturday 27th February 1943.

No.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. °F. (6)	%Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	35·3	+12	N'W	2	z_0	48	55	33	6	2	–	–	7-8	7-8	2500
	Croydon ...	35·3	+8	NW	2	z_0	47	85	44	6	1	–	–	2-3	2-3	3300
	S. Farnborough	35·6	+6	NNW	3	b-bc	49	65	36	7	1	–	1	2-3	2-3	2000
	Boscombe Down	36·3	+10	N'W	3	bc	47	65	37	8	1	–	1	1	4-6	3000
	Thorney Island	35·2	+12	N'W	3	b-bc	50	65	37	7	1	–	1	2-3	2-3	4000
	Lympne ...	34·8	+18	N'W	2	b	46	85	42	7	1	–	–	1	1	2500
	Manston ...	34·6	+16	NNW	3	b	44	75	35	7	–	–	1	0	Tr	–
2	Shoeburyness ...	34·7	+20	NNW	3	z_0	48	65	35	6	1	–	–	1	1	4000
	Felixstowe ...	34·3	+16	NNW	3	b	49	65	36	7	–	–	–	0	0	–
	Gorleston ...	32·0	+4	NNW	3	b	46	75	38	7	1	–	–	1	1	2500
	Mildenhall ...	34·3	+14	NW'N	2	bc	48	65	36	7	2	–	–	4-6	4-6	2500
	Cranwell ...	34·0	+10	NW'W	3	z_0	50	55	35	6	1	–	1	2-3	2-3	4000
3	Birmingham ...	35·4	+10	WNW	3	bc	47	65	36	7	7	–	–	4-6	4-6	1500
	Upper Heyford	35·3	+10	NW'N	3	z_0	46	75	37	6	–	–	1	0	Tr	–
4	Ross-on-Wye	35·7	+10	N'W	3	b-bc	49	55	34	8	1	–	–	2-3	2-3	4000
5	Hartland Point	37·6	+10	N	3	b-bc	45	85	40	8	1	4	–	2-3	2-3	3000
	Bristol ...	36·9	+10	NW	3	b-bc	49	55	33	6	1	–	–	2-3	2-3	3000
	Portland Bill ...	36·1	+4	N	2	c-bc	49	75	40	8	2	–	–	7-8	7-8	4000
	Plymouth ...	37·3	+10	N	3	bc	49	65	38	8	1	3	2	2-3	4-6	4000
	The Lizard ...	36·7	+12	N	2	bc	50	65	38	8	1	4	–	4-6	4-6	2500
	Scilly (St. Mary's)	38·6	+6	N	2	c	49	65	38	8	1	–	2	4-6	9	1200
	Guernsey ...															
6	Pembroke ...	38·0	+14	NW	3	b-bc	48	85	44	8	2	–	–	2-3	2-3	3000
7	Holyhead (Valley)	36·3	+14	NW'W	3	b	49	75	41	8	1	–	–	Tr	Tr	2000
	Chester (Sealand)	35·5	+10	W	3	bc	50	65	37	8	2	–	–	4-6	4-6	3500
8	Manchester ...	34·8	+10	W	4	z_0	47	75	40	6	2	–	–	9	9	2500
10	Spurn Head ...	33·5	+16	NW	4	bc	45	75	36	7	5	3	5	2-3	4-6	1500
	Catterick ...	32·9	+10	WNW	3	c	49	65	37	8	7	7	–	4-6	9	2500
	Tynemouth ...	30·8	+4	W	3	c	43	85	39	7	5	–	–	9	9	2200
11	St. Abbs Head	28·0	-8	W	4	c	47	75	40	7	5	4	–	7-8	9	2500
	Leuchars ...	27·0	-14	W	3	c	48	85	43	7	7	3	8	1	9	2500
12	Renfrew (Abbots I.)	30·7	-6	W'S	5	c	49	85	44	8	5	–	–	9+	9+	1500
	Eskdalemuir ...	30·9	+2	W	3	c-bc	45	75	38	8	5	–	–	7-8	7-8	1800
	Point of Ayre ...	33·9	+10	W'N	4	b-bc	51	65	41	8	1	–	4	Tr	2-3	2000
13A	Tiree	29·7	+10	W'S	3	c	49	85	45	7	5	–	–	10	10	2000
13B	Stornoway ...	25·0	+22	SW	6	c	48	85	42	7	5	–	–	10	10	2500
15	Dalwhinnie ...	27·0	+8	WSW	3	c	45	75	36	8	5	3	–	7-8	9+	2500
	Aberdeen ...	25·4	-8	SW	3	c-bc	48	65	36	7	5	4	8	4-6	7-8	3000
	Wick ...	22·1	+8	SW	4	c	48	75	40	8	5	2	–	4-6	10	2000
16	Sumburgh ...	15·9	-28	W'S	7	c/r	47	92	44	6	6	2	–	9	10	1500
17	Blacksod Point	36·0	+10	W	3	c	50	75	43	8	8	–	–	10	10	2500
18	Malin Head ...	31·9	+6	W	4	c	49	75	42	8	5	–	–	9	9	2500
	Aldergrove ...	33·7	+2	SW	3	c	46	85	41	7	5	7	–	7-8	9+	3000
19	Birr Castle ...	36·9	+6	WSW	2	c	50	65	39	8	8	–	–	9	9	1500
20	Valentia Obsy.	39·2	+8	W'N	3	c	49	75	42	9	8	–	–	9+	9+	2500
	Roches Point	38·5	+4	N'W	3	bc	51	85	47	8	2	–	–	4-6	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	%Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	37·1	+10	WNW	1	m	46	65	35	4	–	–	1	0	Tr	–	1	*
	Croydon ...	33·5	+22	–	0	bf+	46	65	36	3	–	–	–	0	0	–	0	*
	S. Farnborough	37·0	+14	W'N	1	z_0	44	75	36	6	1	–	–	1	1	2500	1	*
	Boscombe Down	37·4	+10	–	0	b-bc	45	75	38	7	4	3	–	2-3	2-3	3000	0	*
	Thorney Island	36·8	+10	NNW	2	z_0	45	75	37	6	–	4	–	0	Tr	–	0	*
	Lympne ...	37·2	+14	W	1	z_0	40	75	34	6	–	–	2	0	Tr	–	1	1
	Manston ...	36·4	+14	–	0	z_0	42	75	34	6	–	7	–	0	1	–	1	*
2	Shoeburyness ...	36·2	+18	NW	2	z_0	43	75	36	6	–	–	–	0	0	–	1	*
	Felixstowe ...	35·9	+16	WNW	1	z_0	46	65	37	6	5	7	–	1	2-3	4000	0	1
	Gorleston ...	35·2	+12	N'W	1	z_0	44	75	36	6	–	4	–	0	2-3	–	0	2
	Mildenhall ...	35·8	+4	W'N	2	z_0	48	85	44	5	4	–	–	2-3	2-3	3900	0	*
	Cranwell ...	35·5	+18	W	2	z_0	46	75	37	6	4	4	–	2-3	2-3	3500	0	*
3	Birmingham ...	36·5	+16	WNW	2	m	45	75	39	4	5	–	1	2-3	4-6	4000	1	*
	Upper Heyford	36·5	+10	W'S	1	z_0	42	85	37	6	–	3	1	0	7-8	–	0	*
4	Ross-on-Wye	36·7	+10	W	2	c-bc	46	65	35	8	5	–	1	7-8	7-8	3500	1	*
5	Hartland Point	38·1	+6	NNW	2	b-bc	45	85	42	8	1	4	–	Tr	2-3	3000	0	3
	Bristol ...	37·5	+10	WNW	2	bc	45	75	38	7	4	4	1	2-3	4-6	4000	1	*
	Portland Bill ...	37·3	+20	N	2	c-bc	49	75	42	8	5	–	–	7-8	7-8	4000	1	3
	Plymouth ...	38·5	+10	N	2	z_0	47	65	36	5	–	–	1	0	Tr	–	0	1
	The Lizard ...	37·8	+8	NNE	2	b-bc	46	75	39	8	4	–	–	2-3	2-3	2500	0	2
	Scilly (St. Mary's)	39·1	+4	N	2	b-bc	46	75	39	8	1	–	–	2-3	2-3	2000	1	2
	Guernsey ...																	
6	Pembroke ...	38·4	+6	NW'W	2	bc	46	92	44	8	1	4	1	2-3	4-6	3000	0	2
7	Holyhead (Valley)	37·2	+10	SW	3	c	47	85	43	8	5	–	–	9+	9+	3000	1	2
	Chester (Sealand)	36·7	+14	NW	3	bc	46	75	40	8	2	3	2	Tr	4-6	3000	0	*
8	Manchester ...	36·3	+14	SSW	2	z_0	44	85	39	5	4	3	2	1	7-8	2500	1	*
10	Spurn Head ...	35·0	+16	W'N	3	z_0	45	75	38	7	1	3	1	2-3	2-3	2500	0	3
	Catterick ...	34·3	+12	SW	2	c	47	75	40	8	5	–	–	9+	9+	1800	0	*
	Tynemouth ...	31·8	+10	W	3	c-bc	48	75	41	6	5	–	–	7-8	7-8	2600	0	2
11	St. Abbs Head	29·0	+12	WSW	4	c-bc	47	75	39	7	5	4	–	4-6	7-8	2500	0	4
	Leuchars ...	28·4	+18	WSW	4	c	48	65	37	8	5	7	8	4-6	9+	3000	0	*
12	Renfrew (Abbots I.)	31·4	+10	W'S	4	c	47	85	42	8	5	7	–	7-8	9+	1800	1	*
	Eskdalemuir ...	32·6	+16	W'S	4	c-bc	45	75	38	8	5	7	–	7-8	7-8	1800	1	*
	Point of Ayre ...	35·0	+12	W	4	c	47	85	44	8	5	–	–	10	10	4000	0	3
13A	Tiree	31·2	+14	SW'W	3	c	48	85	44	7	5	–	–	9+	9+	3000	1	3
13B	Stornoway ...	25·5	+8	SW	6	c	48	85	45	7	5	–	–	10	10	1800	1	3
15	Dalwhinnie ...	27·6	+6	WSW	4	c	43	75	37	8	5	3	–	7-8	9	2500	1	*
	Aberdeen ...	26·1	+12	WNW	5	c-bc	49	55	36	8	5	4	–	2-3	7-8	3000	0	3
	Wick ...	23·4	+10	WSW	3	c-bc	47	75	39	8	5	–	–	7-8	7-8	2000	1	*
16	Sumburgh ...	16·9	+4	W	7	z_0	47	97	47	6	6	2	–	7-8	10	900	1	4
17	Blacksod Point	36·6	+8	WSW	3	c	49	85	45	7	5	–	–	10	10	2500	1	3
18	Malin Head ...	32·6	+6	W	5	c	48	75	41	8	5	–	–	10	10	2500	1	1
	Aldergrove ...	35·4	+12	W'S	3	c	47	75	39	8	5	–	–	9+	9+	2200	1	*
19	Birr Castle ...	37·5	+8	WSW	2	c	48	75	41	8	5	–	–	9+	9+	2500	1	*
20	Valentia Obsy.	39·5	+6	W'S	2	c	49	85	45	8	7	–	–	9+	9+	4000	1	2
	Roches Point	39·3	+8	NNW	3	c	48	85	44	8	8	–	–	9+	9+	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 26th (39)	Weather. 13h.—18h. 26th. (40)	Weather. 18h. 26th to 1h. 27th (41)	Weather. 1h.–7h. 27th (42)
1	London (Kew)	bbccz$_0$y	bcbz$_0$m	bm$_0$wbfx	bfx
	Croydon ...	bmbm$_0$	bm$_0$bz$_0$	bfw	bmbmx
	S. Farnborough	bxbbcm$_0$bc	bcbyz$_0$m$_0$	bm$_0$mx	bmx
	Boscombe Down	bbc	bcbbc	bcbbcbm$_0$w	m$_0$xbcm$_0$x
	Thorney Island	b	bbcbz$_0$	bz$_0$bcm$_0$bm$_0$	bm$_0$bm$_0$x
	Lympne ...	bz$_0$b	bz$_0$bbz$_0$	bz$_0$m$_0$x	bm$_0$mx
	Manston ...	bm$_0$	bbcbz$_0$	bm$_0$m	bcf
2	Shoeburyness ...	bz$_0$	bcz$_0$	bm$_0$bc	bcmw
	Felixstowe ...	bm$_0$	bbcbybm$_0$	cz$_0$m$_0$	cm$_0$wbcm$_0$
	Gorleston ...	b		bz$_0$	bbcz$_0$
	Mildenhall ...	bm$_0$xbc	bcbcz$_0$m$_0$	bm$_0$	bm$_0$bcbmx
	Cranwell ...	bm$_0$bz$_0$y	ybcz$_0$	bcz$_0$bm$_0$	bbcbm$_0$x
3	Birmingham ...	bbc	bcz	bcbm	b,cz
	Upper Heyford	bm$_0$bbm$_0$	bz$_0$bcz$_0$	cm$_0$bm$_0$	bm$_0$bcm$_0$
4	Ross-on-Wye	bbc	bcy	cbbw	bcc
5	Hartland Point	bc	bc	bcb	bcc
	Bristol ...	bm$_0$xbz$_0$	bcz$_0$yby,bc	bcbm$_0$	bm$_0$xcm$_0$
	Portland Bill ...	bc	bcz	bc	bbc
	Plymouth ...	bbc	bm$_0$	bm$_0$xjf	bxjfm
	The Lizard ...	bc	bc	bcbw	bw
	Scilly (St. Mary's)	bcc	bcc	bcw	bcb
	Guernsey ...				
6	Pembroke ...	bc	bc	bcc	c
7	Holyhead (Valley)	bcb	bc	c	c
	Chester (Sealand)	bcm$_0$bc	bc	c,bcz$_0$	cz$_0$
8	Manchester ...	bm$_0$cbcm	cbcz$_0$	cm$_0$cm$_0$	bccm$_0$
10	Spurn Head ...	bc	bc	bm$_0$	bcm$_0$
	Catterick ...	cbc	cbc	cbcb	bbcw
	Tynemouth ...	bcc	c	cbc	c
11	St. Abbs Head	bbccr$_0$c	c	cbcb	bbc
	Leuchars ...	cxc	c	bcbc	bcc
12	Renfrew (Abbots I.)	c	c	cm$_0$id$_0$	cm$_0$idm$_0$
	Eskdalemuir ...	bcc	c	c	bcc
	Point of Ayre ...	bbcb	bbcc	c	c
13A	Tiree	cc$_0$ir$_0$m$_0$c	c	cd$_0$d$_0$c	cd$_0$d$_0$c
13B	Stornoway ...	cir$_0$id$_0$c	c	cid$_0$c	ccd$_0$m$_0$
15	Dalwhinnie ...	ppr$_0$c	c	*	c
	Aberdeen ...	cz$_0$c	c	c	cbcw
	Wick ...	c	c	bc	bcc
16	Sumburgh ...	r$_0$r$_0$cm$_0$	cir$_0$cm$_0$	cm$_0$d$_0$d$_0$	cm$_0$
17	Blacksod Point	c	c	c	pr
18	Malin Head ...	r	c	c	c
	Aldergrove ...	bcxcfgc	c	c	c
19	Birr Castle ...	c	c	*	c
20	Valentia Obsy.	pr	bc	c	c
	Roches Point	bc	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 27th February 1943.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable or westerly winds. Fair or fine; mild by day, local frost tonight.
4 W. Midlands 5 S.W. England South Wales	Light variable or westerly winds. Mainly cloudy, mild.
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	Moderate westerly winds. Mainly cloudy but some bright intervals especially at night; mild.
13A W. Scotland ... 13B N.W. Scotland ♦ 14 Mid Scotland 15 N.E. Scotland ♦	Strong southwest to westerly winds, gales on Northern Coasts; cloudy to overcast; occasional rain or drizzle, mild
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 13–15 Light or moderate westerly winds; cloudy; mild.

GENERAL INFERENCE

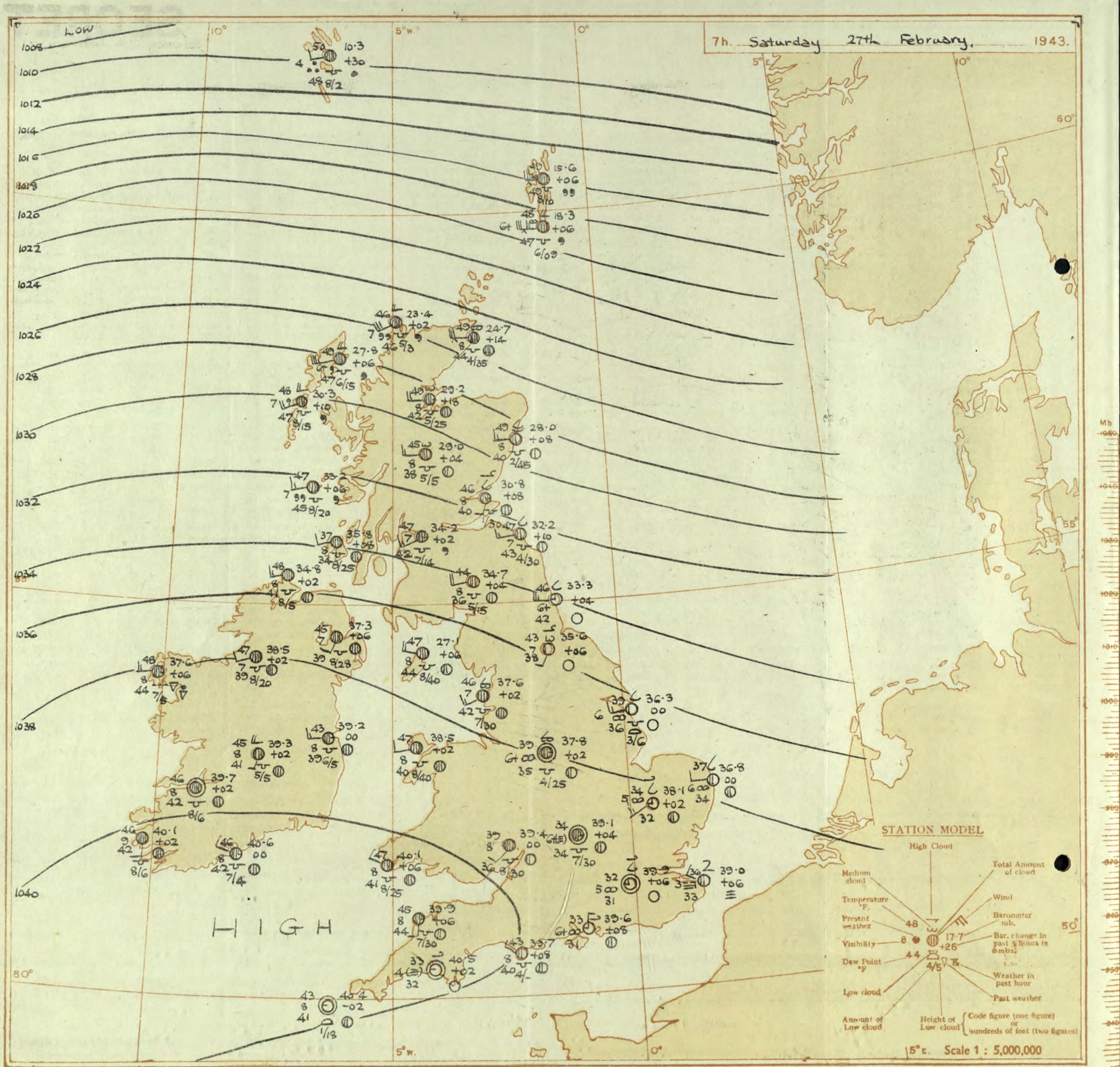
A large anticyclone is centred southwest of the British Isles, and pressure is low to the North. Weather will be cloudy in the North and West, and locally in the East and South; there will be occasional rain or drizzle in the north and northwest of Scotland. Strong to gale westerly winds will prevail in North Scotland. Weather will be generally mild but there will be some ground frost in the South in the morning.

FURTHER OUTLOOK

No great change. Gale warning in operation in districts 13B, 15 and 16. Issued at 0805h. 26th February 1943. ♦

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

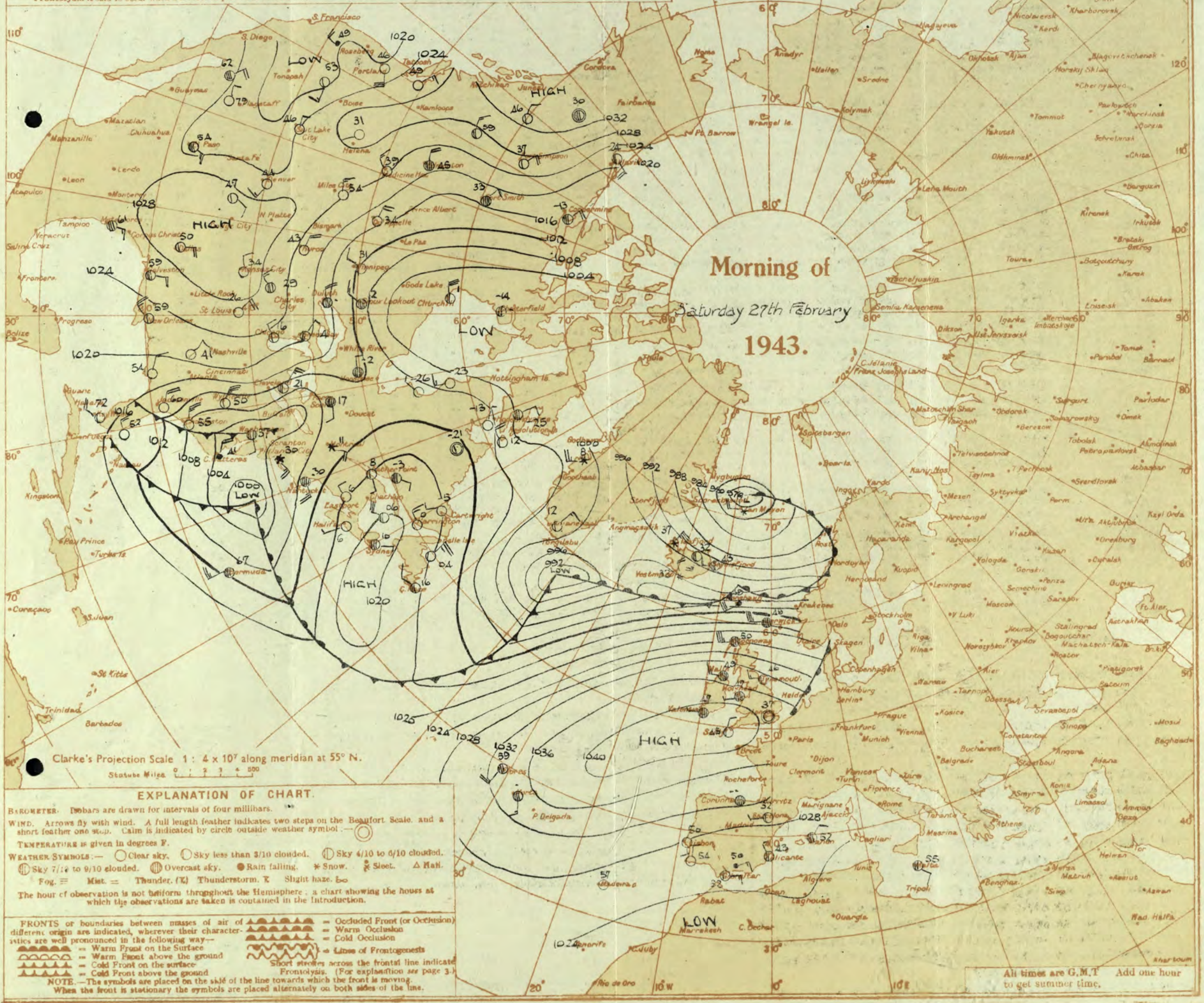
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



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. 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.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

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

BRITISH SECTION

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

Saturday 27th February 1943

No. 29682

OBSERVATIONS at 1 hr. G.M.T. 27th February

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	m/f	35	92	33	*	*	*	*	*	*	*
	Croydon ...	290	39·5	+6	–	0	m	31	97	30	4	–	–	–	0	0	–
	S. Farnborough	226	39·9	+6	W'N	1	m	31	97	30	4	–	7	–	0	Tr	–
	Boscombe Down	417	40·0	+6	W'N	1	z_0	36	92	34	6	–	–	–	0	0	–
	Thorney Island	10	39·0	+2	NW	2	z_0	35	92	32	6	–	–	–	0	0	–
	Lympne ...	283	39·3	+4	NW	2	z_0	35	85	31	6	–	–	–	0	0	–
	Manston ...	154	38·6	+4	WNW	1	m	38	85	34	4	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	38·3	+16	WNW	3	z_0	40	85	35	6	–	–	–	0	0	–
	Gorleston ...	5	36·8	0	W	2	z_0	39	85	36	6	–	–	–	0	0	–
	Mildenhall ...	15	38·2	+6	SW'W	2	z_0	36	85	33	5	–	–	–	0	0	–
	Cranwell ...	203	37·5	+6	WSW	3	z_0	38	92	36	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	39·1	+4	W	1	z_0	37	92	34	5	–	7	–	0	1	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	40·2	+2	NNW	2	b-bc	45	92	43	8	4	–	–	2-3	2-3	4000
	Bristol ...	209	40·5	+6	–	0	z_0	35	85	31	6	–	–	–	0	0	–
	Portland Bill ...	32	39·8	+6	N	3	b-bc	44	85	39	8	5	–	–	2-3	2-3	4000
	Plymouth ...	82	40·9	+4	–	0	bjf	37	97	36	7	–	–	–	0	0	–
	The Lizard ...	240	40·6	+2	N'E	2	b	41	92	39	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	41·1	+4	N'E	2	b-bc	45	85	41	8	1	–	–	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	40·3	+4	NW'N	2	c	47	92	44	8	5	2	–	9+	10	2500
7	Holyhead (Valley)	32	38·6	+2	W'S	2	c	47	85	42	8	5	–	–	10	10	4000
	Chester (Sealand)	16	37·8	+2	W	1	z_0	46	75	39	6	5	–	–	10	10	3000
8	Manchester ...	235	37·7	+2	WSW	3	z_0	44	85	40	5	5	–	–	7-8	7-8	2500
10	Spurn Head ...	29	36·3	+8	SW	4	z_0	41	85	36	6	–	–	–	0	0	–
	Catterick ...	175	35·5	+2	SW	1	b	43	85	38	7	–	3	–	0	Tr	–
	Tynemouth ...	108	33·1	+2	W	3	z_0	46	75	40	6	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	30·0	+2	W	5	b-bc	48	85	45	7	4	–	–	2-3	2-3	2500
	Leuchars ...	36	30·0	+2	SW	2	bc	45	85	41	8	5	–	–	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	33·5	+10	WSW	3	i_0	47	92	45	6	5	–	–	4-6	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	36·6	+6	W'N	4	c	47	85	43	8	5	–	–	9+	9+	2500
13A	Tiree	44	32·8	0	WNW	3	c	48	97	46	7	5	–	–	9	9	2500
13B	Stornoway ...	15	27·1	+2	WSW	7	c	50	85	47	7	5	–	–	10	10	1700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	27·6	+2	W	3	b-bc	49	75	42	9	5	–	–	2-3	2-3	4500
	Wick ...	114	23·2	-14	WSW	4	bc	48	85	44	8	5	–	–	4-6	4-6	4000
16	Sumburgh ...	19	17·9	-8	W	8	d_0d_0	47	97	47	6	6	2	–	9	10	900
17	Blacksod Point	18	37·9	0	WSW	2	c	49	75	41	8	5	–	–	10	10	2500
18	Malin Head ...	84	34·6	+2	W	3	b-bc	46	85	42	8	5	–	–	2-3	2-3	2500
	Aldergrove ...	268	37·3	+2	SW'W	3	c	45	85	41	7	5	–	–	10	10	3200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	40·7	-2	W'N	1	0	47	85	43	8	5	–	–	10	10	4000
	Roches Point	22	41·1	+2	N'W	3	c-bc	47	85	43	8	5	–	–	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 27th February

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	39·9	+4	SW	1	b-bcf	33	92	32	3	–	–	6	0	2-3	–	1	*
Croydon ...	39·9	+4	–	0	z_0	32	97	31	5	–	4	1	0	1	–	0	*
S. Farnborough	40·2	+6	–	0	m	28	97	28	4	–	4	1	0	Tr	–	3	*
Boscombe Down	40·4	+2	NW	1	z_0	33	97	32	6	5	7	1	2-3	4-6	3000	0	*
Thorney Island	39·6	+8	N'W	1	z_0	33	92	31	6	–	–	1	0	1	–	3	*
Lympne ...	39·8	+8	WNW	1	m	32	92	30	4	–	–	1	0	1	–	1	2
Manston ...	39·0	+6	WNW	2	bcf	36	92	33	3	–	–	6	0	4-6	–	1	§ *
Shoeburyness ...	38·9	+2	NW	2	m	37	85	34	4	0	3	–	0	9+	–	1	*
Felixstowe ...	38·4	+4	WNW	3	z_0	37	92	34	5	–	4	6	0	4-6	–	1	1
Gorleston ...	36·8	0	W	2	z_0	37	85	34	6	–	4	–	0	4-6	–	0	2
Mildenhall ...	38·1	+2	SW	3	z_0	34	92	32	5	–	4	1	0	1	–	0	*
Cranwell ...	37·3	-2	WSW	3	z_0	37	92	35	6	–	7	–	0	1	–	0	*
Birmingham ...	38·6	+2	SW	2	z_0	42	92	40	6	5	–	–	10	10	1500	1	*
Upper Heyford	39·1	+4	–	0	cjf	34	92	34	6	5	–	–	9+	9+	3000	0	*
Ross-on-Wye	39·4	0	SW	1	c	39	92	36	8	5	–	–	10	10	3000	1	*
Hartland Point	39·9	+6	S	2	c	45	92	44	8	5	–	–	9+	9+	3000	1	3
Bristol ...	40·5	+10	S	1	fg	37	92	35	6	5	–	–	10	10	4000	1	*
Portland Bill ...	39·7	+8	WNW	1	bc	43	85	40	8	5	–	–	4-6	4-6	4000	1	
Plymouth ...	40·5	+2	–	0	bjf	33	97	32	4	–	–	1	0	Tr	–	0	1
The Lizard ...	39·8	+2	NE	2	b	41	92	39	8	–	–	–	0	0	–	1	2
Scilly (St. Mary's)	40·4	-2	–	0	b	43	92	41	8	1	–	–	Tr	Tr	1800	0	3
Guernsey ...																	
Pembroke ...	40·1	+6	WNW	2	c	47	75	41	8	5	–	–	10	10	2500	0	2
Holyhead (Valley)	38·5	+2	WSW	2	c	47	75	40	8	5	–	–	10	10	4000	1	2
Chester (Sealand)	37·7	+2	W	2	c	47	75	39	7	5	–	–	10	10	3500	0	*
Manchester ...	37·6	0	WSW	3	z_0	44	85	41	6	5	–	–	10	10	4000	1	*
Spurn Head ...	36·3	0	WSW	3	z_0	39	85	36	6	7	4	–	2-3	2-3	4000	0	3
Catterick ...	35·6	+6	SSW	1	b-bc	43	85	38	7	–	3	8	0	2-3	–	0	*
Tynemouth ...	33·3	+4	W	5	b	46	85	42	6	–	4	–	0	1	–	1	3
St. Abbs Head	32·2	+10	WSW	3	bc	47	85	43	7	5	4	–	4-6	4-6	3000	0	4
Leuchars ...	30·8	+8	SSW	1	c	46	75	40	8	5	4	8	Tr	9	3000	0	*
Renfrew (Abbots I.)	34·2	+2	SW'W	3	c	47	85	42	7	5	–	–	9+	9+	1400	1	*
Eskdalemuir ...	34·7	+4	WSW	4	c-bc	44	75	36	8	5	–	–	7-8	7-8	1500	1	*
Point of Ayre ...	37·1	+6	W'N	4	c	47	85	44	8	5	–	–	10	10	4000	0	3
Tiree	33·2	+6	WSW	3	d_0d_0	47	92	45	7	5	–	–	10	10	2000	1	3
Stornoway ...	27·8	+6	WSW	7	i_0	49	92	47	6	5	2	–	9	10	1500	1	5
Dalwhinnie ...	29·0	+4	W	3	c-bc	45	75	38	8	5	3	–	7-8	7-8	2500	0	*
Aberdeen † ...	28·0	+8	W'S	3	bc	49	75	40	8	5	9	–	1	4-6	4500	1	2
Wick ...	24·7	+14	W	6	c	49	85	44	8	5	7	–	4-6	10	3500	0	*
Sumburgh ...	18·3	+6	W	9	z_0	48	97	47	6	5	2	–	9	10	900	1	5
Blacksod Point	37·6	+6	W	3	c/pr	48	85	44	8	6	–	–	9+	9+	2500	1	3
Malin Head ...	34·8	+2	W'S	3	c	48	75	41	8	5	–	–	10	10	2500	1	3
Aldergrove ...	37·3	+6	SW'S	2	c	45	65	39	7	5	–	–	10	10	2800	1	*
Birr Castle ...	38·3	+2	SSW	1	c	45	85	41	8	5	2	–	7-8	10	2500	1	*
Valentia Obsy.	40·1	+2	S	2	c	46	85	42	9	5	–	–	10	10	4000	1	2
Roches Point	40·6	0	W'N	2	c	46	85	42	8	5	–	–	9+	9+	1500	1	*

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
London (Kew)	49	33	18	–	Tr	7·6
Croydon ...	47	32	28	–	Tr	7·2
S. Farnborough	51	28	19	–	Tr	8·2
Boscombe Down	49	32	27	Tr	Tr	9·0
Thorney Island	51	32	24	–	–	*
Lympne ...	47	31	23	–	–	8·6
Manston ...	46	35	31	–	–	4·5
Shoeburyness ...	50	35	26	–	0·3	8·8
Felixstowe ...	51	37	31	–	–	8·7
Gorleston ...	48	35	30	–	–	8·7
Mildenhall ...	50	33	27	Tr	Tr	6·7
Cranwell ...	50	41	33	–	–	7·0
Birmingham ...	50	40	34	–	–	6·7
Upper Heyford	48	33	27	–	–	*
Ross-on-Wye	51	35	28	–	–	8·6
Hartland Point	46	40	39	–	–	8·5
Bristol ...	51	33	25	–	–	9·0
Portland Bill ...	49	41	*	–	–	*
Plymouth ...	50	33	23	–	–	8·7
The Lizard ...	52	40	*	–	–	9·2
Scilly (St. Mary's)	51	42	*	–	–	9·3
Guernsey ...						
Pembroke ...	49	45	*	–	–	8·4
Holyhead (Valley)	50	46	45	–	–	*
Chester (Sealand)	50	45	40	–	–	8·2
Manchester ...	48	42	37	–	–	*
Spurn Head ...	45	38	34	–	–	7·9
Catterick ...	51	42	30	–	–	5·5
Tynemouth ...	49	45	39	–	–	*
St. Abbs Head	49	45	*	Tr	–	*
Leuchars ...	51	44	39	–	–	1·2
Renfrew (Abbots I.)	49	47	43	Tr	Tr	1·7
Eskdalemuir ...	46	43	41	–	–	2·1
Point of Ayre ...	51	47	*	–	–	5·0
Tiree	51	46	45	Tr	0·2	1·4
Stornoway ...	49	47	47	Tr	Tr	0·0
Dalwhinnie ...	46	42	40	0·1	–	0·5
Aberdeen † ...	52	44	33	–	–	1·6
Wick ...	48	47	46	0·5	–	*
Sumburgh ...	47	46	44	4	0·2	0·0
Blacksod Point	51	47	*	Tr	Tr	*
Malin Head ...	49	45		Tr	–	0·2
Aldergrove ...	48	43	42	–	–	1·7
Birr Castle ...	51	44	43	–	–	3·2
Valentia Obsy.	51	45	43	Tr	–	3·1
Roches Point	51	45	*	Tr	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 26th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	52	02646	55628	62	02649	55728	5-	02658	55858	52	22643	55859
115	52	02745	57588	52	02745	57528	52	51735	53658	52	52735	87658
203	5-	03848	29528									
206	57	02854	24528	54	02854	22525	5-	02855	35625	53	02855	24426
210	57	02864	21327	57	02963	23428	57	21866	21458	57	02853	21526
220												
230	5-	02845	24315	54	02757	20367	5-	51748	20368	5-	51747	22357
245	84	02853	23325	57	02963	23327	04	01890	21413	04	01890	22414
260	14	05654	20426	57	05665	56426	50	05654	53414	54	05554	55425
278	77	02865	24427	57	02856	24327	52	02845	23427	5-	02758	23428
279	84	02755	21426	5-	02847	22527	54	01764	23424	5-	02765	22328
285				23	02744	26516				20	01744	30614
288	17	02853	24417	5-	02868	20318	00	00790	21320	04	01890	22211
575	5-	02857	18327	53	02854	20328	5-	02858	20228	5-	02758	22228
301	24	01862	24313	53	02765	26417	57	02766	24328	57	02767	20328
321	10	05653	26413	54	05563	26314	00	05590	22220	04	05590	22203
2.	53	02753	26304	50	01754	22214	00	05690	22300	50	05651	22201
292	2-	02856	24316	40	02763	24325	00	00790	20200	07	01790	22214
315	-	01635	24415	--	01633	24313						
614	10	01763	28213	57	05651	26212	00	08490	23310	04	08490	24313

III	13h. G.M.T. 26th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	80	02855	27315	54	02855	24316	5-	05685	22225	5-	02767	23227
334	--	02644	30215									
340	20	02855	32115	4-	01852	28214	5-	02867	22217	5-	02867	24227
136	02	05654	24304	50	05651	08111	00	05590	24200	00	05590	22214
330	10	01764	28414	53	01754	24415				57	02754	28328
350	20	05654	28315	04	05690	24113	04	05590	00001	57	05644	20328
369	80	01754	24414	14	00861	24313	50	01763	00003	5-	05658	28128
379	10	01764	30224	40	01763	26113	00	00790	26200	5-	02767	24227
390	10	05654	30314	00	05590	24200	00	08490	24100			
382	10	01863	30313	40	01763	00013	00	00690	00000	56	05663	30116
438				50	05663	00013	00	05690	32200	51	01653	32214
430				50	05641	00001	00	00590	00000	00	00590	30100
409	10	01854	01314	10	01852	32203	10	01751	00001	50	01864	02104

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th February.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bbccz$_0$y	bcbz$_0$m	bmwfx	Kew 24 hours ended 7h Max. Time 21-22h 26th
Croydon ...	bmbm$_0$	bm$_0$bz$_0$	bfwmx	
Greenwich ...	bbcz$_0$	bz$_0$ybm	bmfxnf	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	0·1
Hampstead ...	bc	bc	bc	Min. Time 12-15hrs 26th 40·1

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	49	33	18	–	Tr	7·6	*	*
Croydon ...	47	32	28	–	Tr	7·2	*	*
Greenwich ...	49	31	25	–	Tr	7·1	48	82
Westminster ...	51	33	29	–	–	*	93	95
Regents Park ...	53	33	27	–	–	*	67	67
Camden Square	51	35	27	0·1	*	*	*	91
Kensington ...	51	33	27	–	*	*	74	85
Hampstead ...	49	33	25	–	–	*	*	89

BRITISH SECTION

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

SECRET

Sunday 28th February 1943.

No. 29683

OBSERVATIONS at 13h. G.M.T. 27th February

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	39·3	-10	NW	2	Zo	49	65	35	6	5	-	-	4-6	4-6	2500
	Croydon ...	39·4	-8	W	1	Zo	49	85	44	5	5	-	-	9+	9+	2200
	S. Farnborough	39·1	-16	NNW	1	c	49	55	37	8	5	-	-	9+	9+	2500
	Boscombe Down	39·9	-8	N'W	2	c	49	65	36	8	5	-	-	9+	9+	3500
	Thorney Island	39·7	-8	-	0	c-bc	51	65	38	7	5	-	-	7-8	7-8	2500
	Lympne ...	39·1	-10	NW'N	2	c-bc	50	65	36	7	1	-	-	7-8	7-8	4000
	Manston ...	38·7	-10	NW'W	2	Zo	50	55	36	6	-	-	-	0	0	-
2	Shoeburyness ...	38·9	+12	WNW	3	Zo	54	56	38	6	1	-	-	2-3	2-3	4000
	Felixstowe ...	38·1	-10	NW'N	4	c-bc	53	65	40	7	5	-	-	4-6	7-8	4000
	Gorleston ...	36·6	-8	NW'N	3	Zo	55	65	44	6	-	-	-	0	0	-
	Mildenhall ...	37·7	-8	W	3	c-bc	51	65	39	7	5	-	-	7-8	7-8	4000
	Cranwell ...	37·0	-6	W	4	Zo	53	55	38	6	5	-	-	1	1	3000
3	Birmingham ...	39·8	-2	WNW	3	c	47	65	37	7	5	-	-	9+	9+	2500
	Upper Heyford	38·7	-10	NNW	3	c	48	65	36	8	5	-	-	9+	9+	2500
4	Rosa-on-Wye	39·2	-6	WNW	2	c	48	65	35	8	5	-	-	10	10	3500
5	Hartland Point	40·1	-8	NW	1	c	47	85	43	8	5	-	-	9+	9+	3000
	Bristol ...	40·1	-2	WNW	3	Zo	48	75	40	6	5	-	-	9+	10	5700
	Portland Bill ...	39·8	-6	W	1	c	47	85	43	8	5	-	-	10	10	4000
	Plymouth ...	40·5	-6	NE	3	c	49	75	40	8	5	-	-	10	10	3500
	The Lizard ...	40·1	-4	E	3	c	52	75	44	8	5	-	-	9+	9+	2000
	Scilly (St. Mary's)	40·5	-4	-	0	c	52	75	46	8	8	6	-	9	9+	1500
	Guernsey ...															
6	Pembroke ...	40·6	-4	NW'W	2	c	48	75	41	8	5	-	-	10	10	1900
7	Holyhead (Valley)	39·3	-2	WSW	2	c	49	75	41	8	5	-	-	10	10	3000
	Chester (Sealand)	38·9	-2	W	3	c	49	65	37	8	5	-	-	10	10	2500
8	Manchester ...	38·4	-4	W'S	3	c	48	75	39	7	5	-	-	10	10	2500
10	Spurn Head ...	37·0	0	W'N	3	Zo	49	92	46	5	-	-	-	0	0	-
	Catterick ...	35·4	-4	W	4	b	54	65	41	8	8	-	-	Tr	Tr	4000
	Tynemouth ...	33·7	+4	W	5	b-bq	52	75	44	7	-	3	-	0	2-3	-
11	St. Abbs Head	31·7	-12	WNW	5	b	50	85	45	7	1	-	-	1	1	3000
	Leuchars ...	32·0	+4	WSW	4	b-bc	55	55	40	8	1	4	1	1	2-3	2500
12	Renfrew (Abbots I.)	35·0	+2	WSW	4	c	50	75	43	8	7	-	-	7-8	9+	1200
	Eskdalemuir ...	35·9	+6	W	2	c	47	75	39	8	5	-	-	9	9	2200
	Point of Ayre ...	37·8	0	W'N	4	c	49	85	44	8	5	-	-	10	10	6000
13A	Tiree ...	34·2	0	SW'W	3	c	49	92	47	7	5	-	-	10	10	2500
13B	Stornoway ...	28·4	-2	SW	6	c	50	85	45	7	5	-	-	9	9	2000
15	Dalwhinnie ...	32·0	+6	W	3	c-bc	46	75	38	8	5	-	9	4-6	7-8	2500
	Aberdeen ...	29·4	+8	W'S	2	b	61	55	42	9	-	4	-	0	Tr	-
	Wick ...	27·5	+6	SW	5	bc	53	65	42	9	8	3	9	2-3	4-6	3000
16	Sumburgh	21·2	+14	W'S	8	Zo	49	97	47	6	5	-	-	7-8	9+	900
17	Blacksod Point	37·6	-2	SW	3	c	50	75	43	8	5	-	-	10	10	1500
18	Malin Head ...	35·7	+2	WSW	4	c	49	85	44	8	5	-	-	10	10	2500
	Aldergrove ...	37·8	-2	SW'S	3	c	48	75	39	8	5	-	-	10	10	2800
19	Birr Castle ...	39·3	-4	W	2	c	50	75	42	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	40·2	-6	SW'S	3	o	51	65	40	9	5	-	-	10	10	4000
	Roches Point	40·6	-10	SSW	1	c	50	85	45	8	5	-	-	9+	9+	2500

OBSERVATIONS at 18h. G.M.T. 27th February

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	38·3	0	NW	1	Zo	47	65	38	5	5	1	*	9	9	2500	1	*
	Croydon ...	38·0	-6	WNW	1	cf+	48	65	38	3	5	3	-	4-6	9+	4000	0	*
	S. Farnborough	38·5	-2	NW	1	c	47	65	36	8	5	-	-	9+	9+	3800	1	*
	Boscombe Down	38·6	-4	NW'N	2	Zo	45	65	36	6	5	-	-	10	10	2500	0	*
	Thorney Island	38·1	-4	NNW	2	c-bc	45	75	36	7	5	-	4	2-3	7-8	4000	0	*
	Lympne ...	38·3	+2	-	0	Zo	41	85	37	5	-	-	2	0	Tr	-	1	*
	Manston ...	38·1	+4	W	1	Zo	45	75	38	6	-	3	8	0	4-6	-	1	*
2	Shoeburyness ...	37·9	-6	NW	2	Zo	47	75	39	5	-	4	1	0	4-6	-	1	*
	Felixstowe ...	37·3	+2	W'N	3	Zo	49	75	40	6	5	-	-	7-8	7-8	4000	0	2
	Gorleston ...	35·9	-6	-	0	Zo	45	85	40	6	5	3	1	2-3	4-6	2500	0	2
	Mildenhall ...	37·1	+2	SW'W	3	Zo	45	75	38	6	-	4	-	0	Tr	-	0	*
	Cranwell ...	36·2	+4	WSW	3	Zo	44	85	38	6	-	-	2	0	2-3	-	0	*
3	Birmingham ...	37·7	-4	WNW	3	Zo	46	75	38	6	5	-	-	10	10	2500	1	*
	Upper Heyford	37·7	-2	NW'W	2	c	45	75	37	8	5	-	-	9+	9+	4500	0	*
4	Rosa-on-Wye	37·8	-6	W'N	2	c	48	65	36	8	5	-	-	10	10	2500	1	*
5	Hartland Point	38·9	-4	N	3	c	46	75	37	8	5	-	-	9+	9+	3500	0	2
	Bristol ...	38·5	-6	-	0	fg	45	75	37	6	5	-	-	9+	9+	4000	1	*
	Portland Bill ...	37·5	-12	N	2	c-bc	45	85	40	7	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	39·3	-2	N'E	1	Zo	48	65	37	7	5	-	-	10	10	3000	0	1
	The Lizard ...	38·2	-10	E	3	c	48	75	40	8	5	2	-	7-8	10	1500	0	2
	Scilly (St. Mary's)	39·0	-4	NE'N	3	c	49	85	44	8	8	3	-	7-8	10	1500	0	3
	Guernsey ...																	
6	Pembroke ...	39·2	-8	NW	2	c	47	75	39	8	5	-	-	9+	9+	2000	0	2
7	Holyhead (Valley)	37·5	-10	-	0	c	47	85	43	8	5	-	-	10	10	3500	1	1
	Chester (Sealand)	37·7	-4	NW	2	c	48	75	39	8	5	-	-	10	10	3000	0	*
8	Manchester ...	37·3	-4	W	4	c	46	75	39	7	5	-	-	10	10	1500	1	*
10	Spurn Head ...	35·5	+2	W	4	Zo	46	65	36	6	-	4	-	0	2-3	-	0	3
	Catterick ...	34·7	+2	W	2	b	47	75	40	7	-	3	-	0	Tr	-	0	*
	Tynemouth ...	33·5	-2	W	4	b-bc	49	75	42	6	-	3	-	0	2-3	-	1	3
11	St. Abbs Head	32·0	+6	WNW	3	c-bc	47	85	44	7	5	6	-	4-6	7-8	2500	0	3
	Leuchars ...	31·7	+4	W	4	b	49	75	40	8	4	3	-	Tr	1	4500	0	
12	Renfrew (Abbots I.)	34·4	-4	W	4	c	48	85	43	8	7	7	-	7-8	10	1200	1	*
	Eskdalemuir ...	35·0	0	WNW	2	c-bc	45	75	38	8	5	-	-	7-8	7-8	2300	1	*
	Point of Ayre ...	36·7	-10	W'N	3	c	48	85	43	8	5	-	-	10	10	5000	0	3
13A	Tiree ...	32·8	-10	SW'S	3	do do	47	97	47	7	5	7	-	7-8	10	1500	1	3
13B	Stornoway ...	27·9	+6	SW	5	c	48	85	44	7	5	-	-	9+	9+	1800	1	4
15	Dalwhinnie ...	31·0	-4	SE	3	c-bc	44	75	37	8	5	-	9	4-6	7-8	2500	0	
	Aberdeen ...	29·5	+4	NW'N	1	b	49	75	41	8	-	4	1	0	1	-	0	*
	Wick ...	25·8	-4	SW'W	7	c-bc	47	75	39	8	5	-	9	4-6	7-8	2500	0	
16	Sumburgh	21·8	+2	W'S	8	c/d	48	92	46	6	5	-	-	7-8	10	1000	1	5
17	Blacksod Point	36·2	-6	SW	3	c	49	92	47	8	5	-	-	10	10	2500	1	3
18	Malin Head ...	34·2	-10	SW	5	c	48	75	40	8	5	-	-	10	10	2500	1	4
	Aldergrove ...	36·8	-4	W'S	3	c	47	75	40	8	5	-	-	10	10	2500	1	*
19	Birr Castle ...	37·8	-2	W	1	c	48	75	40	8	5	-	-	7-8	10	2500	1	*
20	Valentia Obsy.	38·9	-2	SSW	3	c	48	75	40	9	5	-	-	10	10	4000	1	2
	Roches Point	39·1	-4	SW	2	c	48	85	44	8	5	-	-	9+	9+	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 27th (39)	Weather. 13h.—18h. 27th (40)	Weather. 18h. 27th—1h. 28th (41)	Weather. 1h.—7h. 28th (42)
1	London (Kew)	bfxbczo	bczo	cmow	bbcx
	Croydon ...	bmcm	bmocf	cf-bmw	bmwxcmo
	S. Farnborough	bmxbcmoc	cbcyc	cbczcbmo	mbmxcmowmo
	Boscombe Down	bcmoxc	cczo	bczobmocmo	cmoc
	Thorney Island	bmoxbmobc	bcc	cbcmobmo	bmobcxfg
	Lympne ...	bmobbc	bczobmo	cmobm	bmowx
	Manston ...	bcfbvy	bzoyczo	bmow	bm
2	Shoeburyness ...	bcm	cczo	bczo	cm
	Felixstowe ...	bmobc	bccczo	czobmow	bcmcmcmo
	Gorleston ...	bzo	cbczo	bzow	bcmoc
	Mildenhall ...	bmoxbzoc	czoycbzo	bmo	bbccmoxc
	Cranwell ...	bzoy	bzoybzomo	bmo	bmox
3	Birmingham ...	c	cz	c	cz
	Upper Heyford	cmojfc	c	cbccmo	cmo
4	Rosa-on-Wye	c	c	c	c
5	Hartland Point	coc	c	c	coc
	Bristol ...	cmocmcmo	cmo	czofgbmo	cmo
	Portland Bill ...	c	c	bcbc	bcc
	Plymouth ...	bfmmoc	cczo	cmobmo	bcb
	The Lizard ...	bcc	bcc	cbc	bcco
	Scilly (St. Mary's)	bbcc	c	c	c
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead (Valley)	c	c	c	c
	Chester (Sealand)	c	c	c	c
8	Manchester ...	cmozo	c	cmo	cmo
10	Spurn Head ...	bm	bcmo	bmo	bmo
	Catterick ...	b	b	bmo	bmobcmo
	Tynemouth ...	bcq	bcq	b	bbcc
11	St. Abbs Head	bcb	bbc	bccbc	bcc
	Leuchars ...	cbcb	cbyb	bcc	bc
12	Renfrew (Abbots I.)	c	cc	cmoidc	cmoidc
	Eskdalemuir ...	cbcc	cbcc	c	c
	Point of Ayre ...	c	c	c	c
13A	Tiree ...	cidoc	cirocdodo	ododomo	c
13B	Stornoway ...	cdodomoc	ccidoc	cidomoc	cidmoc
15	Dalwhinnie ...	c	c		co
	Aberdeen ...	bczoby	byb	b	bqb
	Wick ...	bc	bcc	bc	bcopoc
16	Sumburgh	cmo	cidoc	cmo	
17	Blacksod Point	pr	c	c	r
18	Malin Head ...	c	c	c	r
	Aldergrove ...	c	c	c	ccdoc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	c	c	c	c
	Roches Point	c	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 28th February 1942.

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light variable or west to northwesterly wind. Mainly fair, mild during day, rather cold at night.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light or moderate westerly wind. Cloudy, slight rain locally, mild.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh west to northwesterly wind, decreasing temporarily, backing south and freshening later. Bright intervals and local
16 Orkneys and Shetlands	showers at first; occasional rain later; mild.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light or moderate west wind; cloudy; local drizzle, mild.

GENERAL INFERENCE

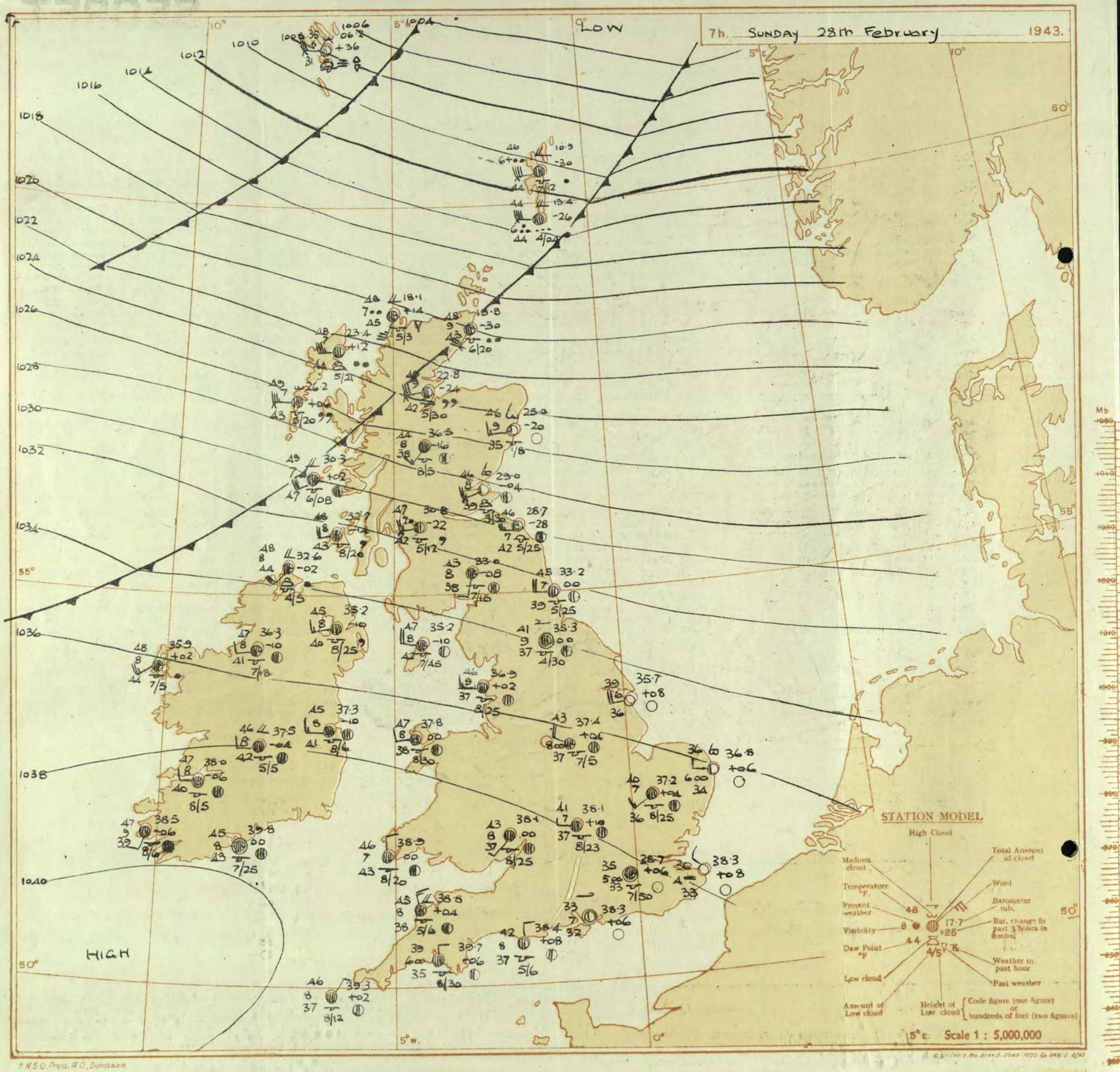
An anticyclone centred off Southwest Ireland will maintain fair weather over most of England and Wales. In Scotland there will be variable cloud and local showers at first and slight rain later.

FURTHER OUTLOOK

Fair over most of England and Wales; occasional rain in the North; mild. Gale warning in operation in districts 13a, 15, 16 time of issue 0805h. G.M.T. 26.2.43 and in districts 13b, 11. time of issue 28.2.43.

Forecasts issued at 1030.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



H.M.S.O. Press, M.O., Dunstable

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

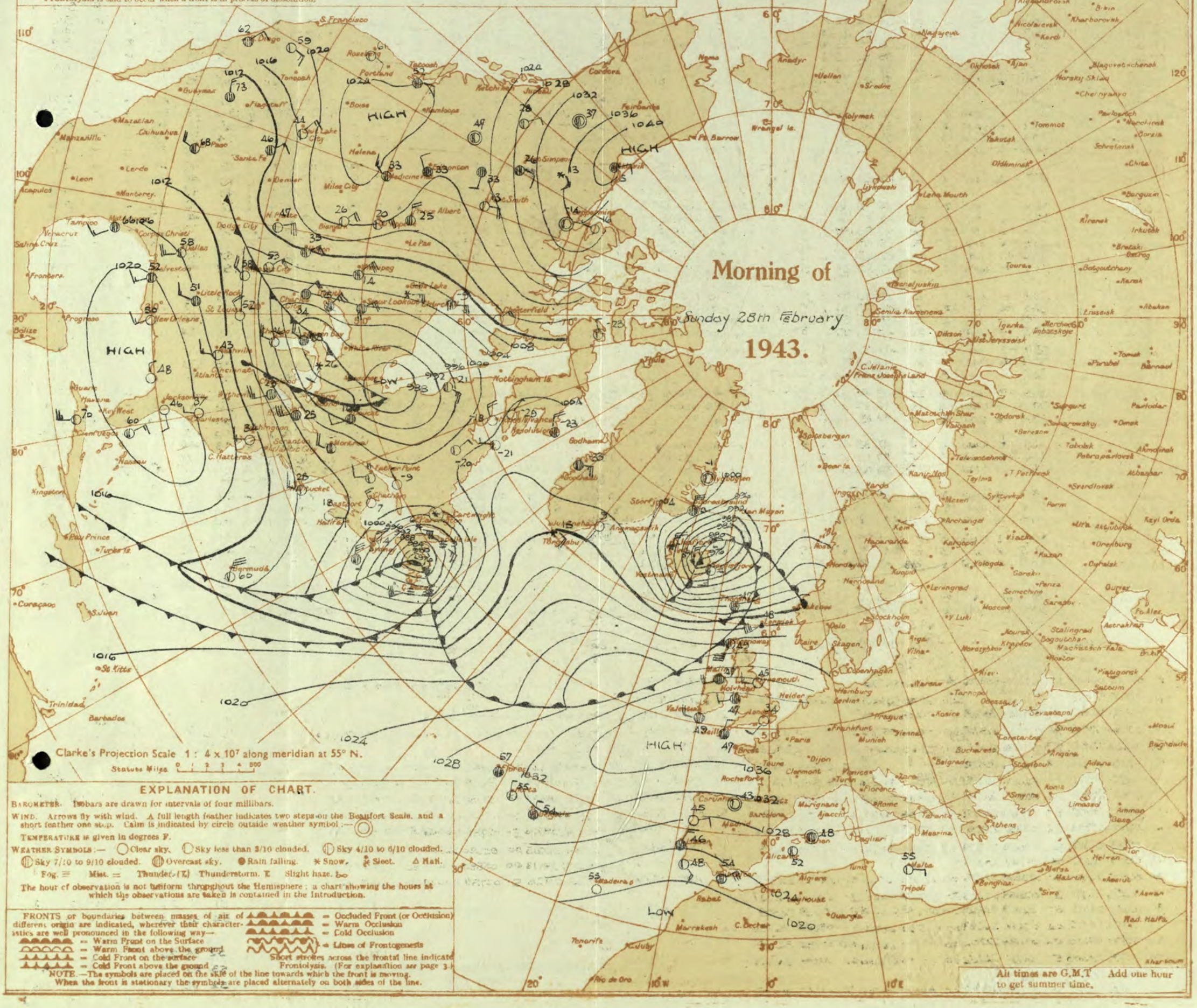
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



BRITISH SECTION

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

Sunday 28th Feb. 1943

No. 29683

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon	290	38·3	-2	SW	2	m	34	92	32	4	-	-	-	0	0	-
	S. Farnborough	226	38·7	-2	-	0	m	31	92	29	4	-	-	-	0	0	-
	Boscombe Down	417	38·7	-2	-	0	Zo	38	85	35	6	5	-	-	7-8	7-8	2800
	Thorney Island	10	38·5	0	-	0	Zo	35	92	33	6	-	-	-	0	0	-
	Lympne	283	38·3	-4	NW	1	Zo	39	85	34	6	-	-	-	0	0	-
	Manston	154	37·7	-4	WNW	1	m	37	92	35	4	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	37·1	-2	WNW	2	Zo	40	92	38	5	-	-	-	0	0	-
	Gorleston	5	36·4	-4	WNW	2	Zo	38	97	37	5	-	-	-	0	0	-
	Mildenhall	15	37·2	-2	SW'W	3	Zo	36	85	33	6	-	-	-	0	0	-
	Cranwell	203	36·4	-4	W	3	Zo	37	92	34	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	37·7	-2	W	1	Zo	42	85	38	6	5	-	-	10	10	2700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	38·6	-2	N	2	c	46	75	38	8	5	-	-	9+	9+	2500
	Bristol	209	38·7	-6	-	0	Zo	42	85	38	6	5	-	-	10	10	2600
	Portland Bill	32	38·1	-6	N	2	bc	43	85	38	7	5	-	-	4-6	4-6	4000
	Plymouth	82	39·3	-6	ENE	1	Zo	39	85	35	6	5	-	-	Tr	Tr	3000
	The Lizard	240	38·6	+2	NE	2	bc	42	85	37	8	5	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	39·2	0	NE'N	2	c	47	75	39	8	5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	39·8	0	W'N	1	c	47	85	42	8	5	-	-	10	10	1500
7	Holyhead (Valley)	32	37·9	+4	W	2	c	46	75	39	7	5	-	-	10	10	3100
	Chester (Sealand)	16	37·5	-6	W	2	c	46	75	38	7	5	-	-	10	10	2800
8	Manchester	235	37·3	-6	W'N	3	Zo	45	75	39	6	5	-	-	10	10	4000
10	Spurn Head	29	35·7	-2	W	4	b	42	85	37	6	-	-	-	0	0	-
	Catterick	175	35·2	-6	NW	1	Zo	42	85	37	6	-	-	-	0	0	-
	Tynemouth	108	33·7	0	W	3	Zo	45	85	40	6	-	-	-	0	0	-
11	St. Abbs Head	280	31·5	-8	W	4	bc	45	85	42	7	5	-	-	4-6	4-6	2500
	Leuchars	36	30·5	-12	WSW	5	bc	46	75	39	8	5	7	-	2-3	4-6	3000
12	Renfrew (Abbots I.)	19	33·9	-6	WSW	4	ido	47	85	41	6	5	-	-	10	10	2600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	36·7	0	WNW	4	c	47	85	42	8	5	*	*	10	10	4000
13A	Tiree	44	31·6	-14	WSW	4	ido	47	97	47	6	5	-	-	10	10	1000
13B	Stornoway	15	24·9	-22	SSW	7	c/d	49	85	44	6	5	-	-	9+	9+	2600
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	28·5	-10	WSW	3	bc	45	75	37	8	5	-	-	Tr	Tr	4000
	Wick	114	24·1	-24	SW	5	bc	48	75	40	9	5	-	-	4-6	4-6	2000
16	Sumburgh	19	20·3	-16	W'S	8	Zo	47	97	46	6	5	-	-	10	10	3000
17	Blacksod Point	18	36·5	+2	SW'S	3	c	48	85	44	8	5	-	-	10	10	1500
18	Malin Head	84	33·3	-10	W'S	5	c	47	85	43	8	5	-	-	10	10	2500
	Aldergrove	268	36·5	-4	WSW	3	c	46	75	38	8	5	-	-	10	10	2700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	39·2	+2	W	4	o	49	75	42	9	5	-	-	10	10	4000
	Roches Point	22	39·6	0	WSW	2	o	48	85	44	8	5	-	-	9+	9+	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	38·9	+4	SW	1	Zo	37	92	34	5	5	8	-	10	10	2500	1	*
Croydon	38·7	+6	-	0	Zo	35	92	33	5	5	-	-	9+	9+	5000	0	*
S. Farnborough	39·1	+6	W'N	1	Zo	32	92	30	6	5	-	-	9+	9+	3000	3	*
Boscombe Down	39·2	+6	NNW	2	c	40	75	34	8	5	-	-	9+	9+	2500	0	*
Thorney Island	38·3	+6	-	0	b-bc	33	97	32	7	-	-	1	0	2-3	-	1	*
Lympne	38·8	+6	WNW	1	Zo	33	97	33	6	-	-	1	0	Tr	-	1	*
Manston	38·3	+8	NW'N	2	m	36	92	33	4	-	-	-	0	0	-	1	§
Shoeburyness	37·9	+4	WNW	2	m	37	92	35	4	5	-	-	10	10	1500	1	*
Felixstowe	37·5	-6	W	3	Zo	42	85	37	6	5	-	-	10	10	3000	0	2
Gorleston	36·8	+6	WNW	2	Zo	36	92	34	6	-	7	-	0	2-3	-	0	3
Mildenhall	37·2	+4	WSW	3	c	40	85	36	7	5	-	-	10	10	2500	0	*
Cranwell	36·5	+2	W'S	3	Zo	35	97	35	6	-	-	-	0	0	-	0	*
Birmingham	37·7	0	WNW	3	Zo	43	85	39	6	5	-	-	10	10	1500	1	*
Upper Heyford	38·1	+10	WNW	1	c	41	85	37	7	5	-	-	10	10	2300	0	*
Ross-on-Wye	38·1	0	SW	1	c	43	75	37	8	5	-	-	10	10	2500	1	*
Hartland Point	38·8	+4	NNW	3	c	45	75	38	8	5	2	-	7-8	10	4000	0	2
Bristol	39·1	+6	SSE	1	Zo	42	85	37	6	5	-	-	10	10	2500	1	*
Portland Bill	38·4	+8	N	2	c-bc	42	85	37	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	39·7	+6	N	1	Zo	39	85	35	6	5	-	-	10	10	3000	0	1
The Lizard	39·2	+8	NE	1	o	43	85	38	7	5	-	-	10	10	1500	0	2
Scilly (St. Mary's)	39·3	+2	NE'N	2	c	46	75	37	8	5	-	-	10	10	1200	0	3
Guernsey																	
Pembroke	38·9	0	N'W	2	c	46	92	43	7	5	-	-	10	10	2000	0	2
Holyhead (Valley)	37·8	0	W	2	c	47	65	38	8	5	-	-	10	10	3000	0	1
Chester (Sealand)	37·2	-2	WNW	3	c	46	75	39	8	5	-	-	7-8	10	2700	0	*
Manchester	37·3	+2	W	3	c	45	85	39	8	5	-	-	10	10	450	1	*
Spurn Head	35·7	+8	W'S	4	b	39	92	36	6	-	-	-	0	0	-	0	
Catterick	35·3	0	-	0	c-bc	41	85	37	9	5	-	5	4-6	7-8	4000	0	*
Tynemouth	33·2	0	W	4	c-bc	45	85	39	7	5	-	-	7-8	7-8	2500	0	2
St. Abbs Head	28·7	-28	W	5	c-bc	46	85	42	7	4	-	-	7-8	7-8	2500	0	4
Leuchars	29·0	-4	WSW	5	b-bc	46	75	39	8	8	7	-	2-3	2-3	3000	0	*
Renfrew (Abbots I.)	30·8	-22	WSW	5	iro	47	85	42	7	5	-	-	7-8	7-8	1200	1	*
Eskdalemuir	33·0	-8	S'W	2	c	43	85	38	8	5	-	-	9+	9+	1500	1	*
Point of Ayre	35·2	-10	W'N	4	c	47	85	42	8	5	-	-	9+	9+	4500	0	3
Tiree	30·3	+2	SW'W	6	c / c-bc	49	97	47	7	5	2	-	9	10	800	1	4
Stornoway	23·4	+12	W	7	r	48	92	44	7	2	-	-	7-8	7-8	2100	1	4
Dalwhinnie	36·5	-16	SW	3	c	44	85	38	8	5	-	-	10	10	2500	0	*
Aberdeen †	25·0	-20	WSW	3	b	46	65	35	9	5	5	9	Tr	1	7200	0	2
Wick	19·8	-30	SW	6	c/r	48	85	43	9	5	-	-	9	9	2000	1	*
Sumburgh	13·4	-26	W	8	rr	44	97	44	6	6	2	-	4-6	10	400	1	
Blacksod Point	35·9	+2	SW	5	c	48	85	44	8	5	-	-	9+	9+	2500	1	4
Malin Head	32·6	-2	SW	4	c	48	85	44	8	8	2	-	4-6	9	2500	1	3
Aldergrove	35·2	-10	WSW	3	c	45	85	40	8	5	-	-	10	10	2500	1	*
Birr Castle	37·5	-4	W	1	o	46	85	42	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	38·5	-6	SSW	2	o	47	75	39	9	5	-	-	10	10	4000	1	2
Roches Point	39·8	-0	-	0	o	45	92	43	8	5	-	-	9+	9+	2500	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	50	34	28	-	Tr	5·0
Croydon	51	32	28	-	Tr	5·0
S. Farnborough	52	27	17	-	-	4·4
Boscombe Down	49	36	27	Tr	-	3·9
Thorney Island	55	31	23	Tr	Tr	*
Lympne	50	32	24	-	-	7·4
Manston	50	35	30	-	-	8·8
Shoeburyness	55	34	23	-	-	7·2
Felixstowe	54	38	30	-	-	7·2
Gorleston	58	35	31	-	-	8·0
Mildenhall	54	35	27	-	Tr	67
Cranwell	54	44	31	-	-	8·0
Birmingham	47	42	41	-	-	0·0
Upper Heyford	48	41	35	-	-	*
Ross-on-Wye	49	43	40	-	-	0·0
Hartland Point	47	43	43	-	-	0·0
Bristol	48	41	37	-	-	0·0
Portland Bill	48	39		-	-	*
Plymouth	56	36	28	-	-	3·2
The Lizard	52	40	*	-	-	4·2
Scilly (St. Mary's)	52	45	*	Tr	-	1·3
Guernsey						
Pembroke	49	45		-	-	0·0
Holyhead (Valley)	50	47	44	-	-	*
Chester (Sealand)	50	46	42	-	-	0·0
Manchester	48	44	42	-	-	*
Spurn Head	49	38	*	-	-	7·0
Catterick	55	38	27	-	-	9·6
Tynemouth	52	44	39	-	-	*
St. Abbs Head	51	44	*	-	-	*
Leuchars	56	45	40	-	-	9·4
Renfrew (Abbots I.)	50	46	44	-	Tr	0·0
Eskdalemuir	50	42	41	-	-	2·5
Point of Ayre	49	46	*	-	-	0·0
Tiree	49	46	42	0·1	0·2	0·0
Stornoway	51	46	44	Tr	1	0·0
Dalwhinnie	50	42	37	-	-	2·7
Aberdeen †	62	40	26	-	-	8·9
Wick	54	45	43	-	-	*
Sumburgh	50	44	42	Tr	+	0·0
Blacksod Point	50	47	*	Tr	Tr	*
Malin Head	49	46		-	Tr	0·1
Aldergrove	49	44	43	-	Tr	0·0
Birr Castle	50	45	44	-	-	0·0
Valentia Obsy.	51	47	45	-	4	0·0
Roches Point	51	45	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 27th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 28th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02745	56826	5·	02656	55826	5·	02656	55826			
115	52	52735	53468				52	52735	87658	52	62735	85786
203	5-	03848	20628	8-	81748	20688	6·	03848	16628			
206	53	02864	57425	73	02855	57527	50	01863	55513	5-	21965	55655
210	74	02963	23416	53	02952	21325	51	01863	20444	5-	02846	20516
220	52	1745	20458	52	02745	19458				62	02736	23668
230	5-	02857	20227	8-	52648	20358	5-	52648	20458	5-	52648	53458
245	44	01951	56412	44	01851	23403	54	01981	21202	54	01962	22403
260	5-	05655	20425	5-	02746	20428	5-	05658	53428	5-	02758	53528
278	5-	02858	22328	52	02857	24228	5-	02758	24228	5-	02848	22328
279	5-	02767	21327	5-	02868	22328	5·	02758	22328	5·	02758	21428
285	13	01852	26613	13	01742	30513	5					
288	00	00890	22400	5-	02868	22328	00	00790	21200	55	00862	20304
576	7-	02854	204[illegible]8	5-	02858	22228	5-	02848	18228	5-	02847	22227
301	5-	02868	24328	5-	02768	24828	5-	02758	24328	5-	02958	24328
321	10	05652	26402	04	05690	26208	00	05590	24110	5-	05656	26326
2[illegible]	00	00790	22200	04	05690	22202	60	00790	22200	04	01790	24203
292	00	00790	24300	50	01761	24202	00	04590	00000	50	41661	24143
310	--	01636	24416									
614	10	05663	25313	00	05590	23302	00	08490	24200	57	05662	24203

III	13h. G.M.T. 27th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 28th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	7-	02868	26228	5·	02868	22228	5-	02768	20128	5-	02858	26228
334	--	03647	28128									
340	5-	02848	24228	5·	02768	32228	5·	02768	24128			
136	00	05690	23311	00	05690	22113	00	05590	22100	00	41590	20240
336	57	02756	24328	53	02754	28327						
350	57	02765	26217	5·	05658	24128	5-	05558	24128	5·	02758	22128
368	5-	05668	28128	5-	02768	00028	5·	05558	00028	5-	05658	00028
379	58	02765	28326	5-	02768	28328	5-	02758	26128	5-	02857	28127
390	50	05664	26214	5-	05566	26226	5-	46354	00004	5-	05558	24148
382	50	02865	28225	57	02867	28228	5-	02756	00016	5-	02758	00028
438	10	05664	30114	57	05664	30215	00	05690	32300	03	05590	32213
430	40	01855	01115	50	05652	28128	00	05890	00000	00	04790	30113
400	5-	02868	32228	5-	02868	01128	5·	02758	00028	5-	02868	04228

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 28th February
Day 7h—18h Kew and Croydon. 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	Dfxbczo	bccz	cm wcx
Croydon	bmcm	bmocf	cfbcmo
Greenwich	bfczo	cbcm	cbxcf
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bc	om	om

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7[illegible]
Max. T[illegible] 0·9 7-[illegible] on 27th
Min. Time <0·1 11-16h on 28th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	50	34	28	-	Tr	5·0	*	*
Croydon	51	32	28	-	Tr	5·0	*	*
Greenwich	51	31	24	-	-	4·1	72	82
Westminster	54	33	29	-	-	*	47	94
Regents Park								
Camden Square	52	35	26	-	-	*	*	84
Kensington	53	33	29	-	-	*	68	87
Hampstead	52	36	27	-	-	*	*	83