M.O. Form 2373

SECRET

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March,

1942

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.

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.		
2 ...	1 tenth.	8 ...	10 tenths.
3 ...	2, 3 tenths.	9 ...	Sky obscured by fog, dust storm or other phenomenon.
4 ...	4, 5, 6 tenths.		
5 ...	7, 8 tenths.		
6 ...	9 tenths.		

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.

Form of Low Cloud (C_L) – Columns 10, 25

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 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).

Form of Medium Cloud (C_M) – Colums 11, 26

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.

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 an overcast sky with a few small openings.

Code for Horizontal Visibility (V)—Columns 9, 24

		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.

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.

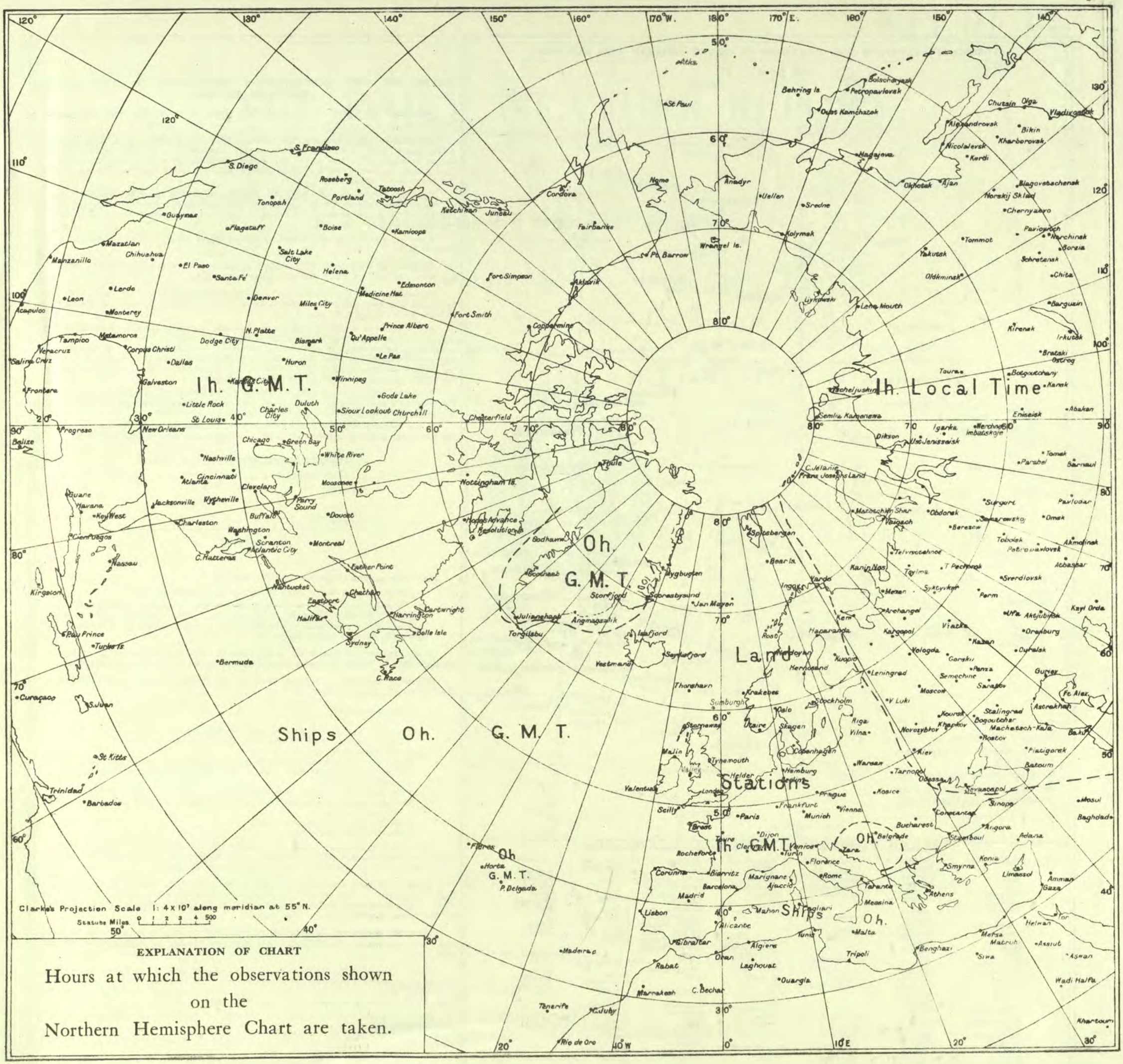
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.

2. *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 to the plot of ground on which the rain gauge is situated.

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

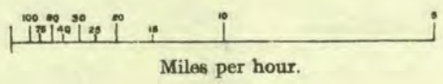
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALE FOR

8 mb isobars on $1 : 4 \times 10^7$ Charts.
or 2 mb ,, ,, $1 : 10^7$,,



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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, Meteorological Office, Dunstable.

Pz.228/4254.Wt.8133A.D.6028.Gp.948/3.325.7/42

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT,

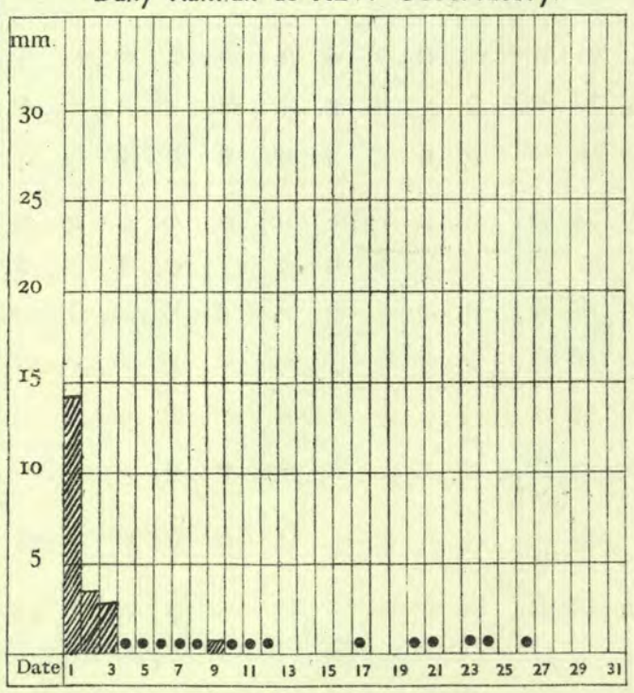
February 1942 No. 302

Dry and Dull, Persistently Cold, Particularly in Southeast England.

The month has been notable for it's persistently cold character, temperature being below average every day without exception at several stations in the South and East of England. Mean temperature for the month was only 30·7°F at Dunstable, and 33·2°F at Kew, 8°F below normal.

The month opened unsettled with widespread snow in England, where temperature was well below freezing point, and occasional showers in Ireland; these conditions persisted until the 3rd when a thaw spread across England. This was short-lived, however, as pressure rose rapidly to north of the country, and cold air spread back from the Northeast, causing cold, dull, dry weather everywhere with temperature about freezing point day and night. By the 6th, however, milder air spread into Scotland, though cold weather with occasional snow showers persisted over England. Depressions developing between Scotland & Iceland moving southeast to the North Sea, dominated the weather of the second week, with unsettled conditions but some clear intervals. The last depression moved away eastwards on the 12th, and pressure rose considerably over the country as a strong ridge of high pressure spread in from the West, developing into a large anticyclone which covered the country by the 14th, and continued to dominate the weather of the British Isles for the next week. It commenced to move slowly north or northeast on the 16th, and as it receded, a cold easterly current from Europe became established in the South and subsequently over the entire country. From the 20th, the anticyclone decreased in intensity and it's centre remained near Iceland so that cold, dull weather, with a few wintry showers chiefly in the East, continued. Weather became less settled in the North on the 25th, with a depression developing to west of Scotland, which subsequently moved northeast and pushed a ridge of high pressure slowly southeast over the country; and, by the end of the month, had cut off the easterly current which had persisted in the extreme Southeast, giving brighter weather there. Sunshine was deficient everywhere in the British Isles, except locally in Scotland; most stations in Southeast England recorded less than half the normal. Precipitation was much below average everywhere, especially in Southwest England. In the Southeastern half of England it fell almost entirely in the form of snow, and slight falls were reported on as many as eighteen days at several places in Southeast England. At Eskdalemuir in Scotland, the ground was covered with more than six inches of snow throughout the month. Ross-on-Wye reported an absolute drought by the 28th. Gales were rare, as was fog, but there was a frost practically every night inland in Great Britain, grass minima of 6°F being reported locally on the 27th.

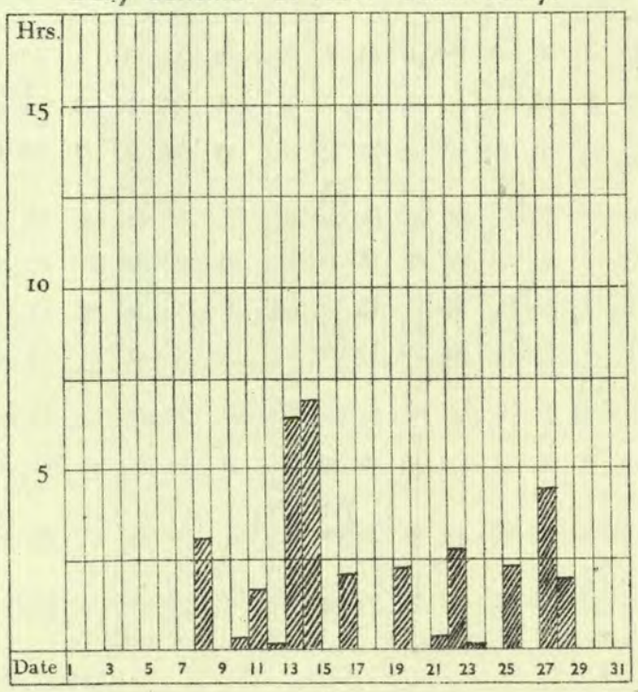
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

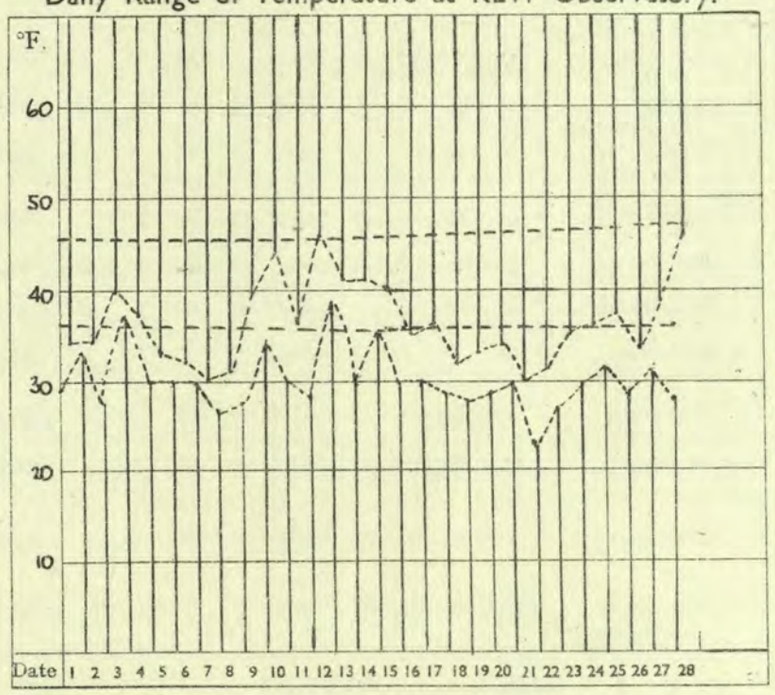
RAINFALL. Total for Month. 20 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 35 hrs.

Daily Range of Temperature at KEW Observatory.



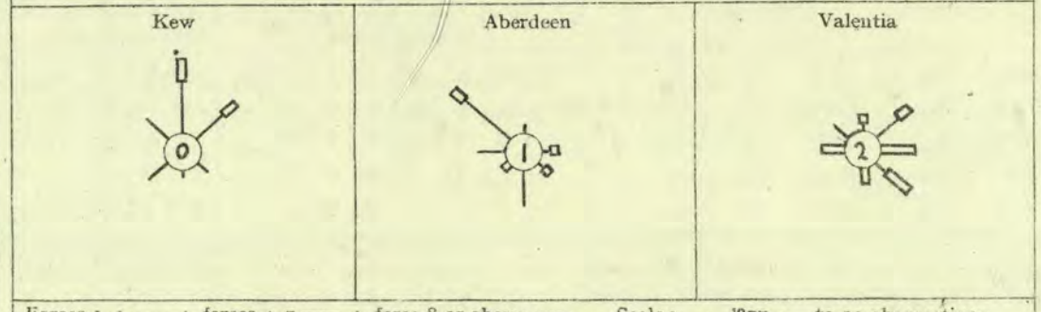
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1019·8	+3·8	~~41·1°~~ 33·2	−7·9°
Aberdeen	1019·5	+8·9	~~39·7°~~ 34·6	−5·1°
Valentia	1021·0	+7·6	~~44·8°~~ 42·5	−2·3°

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

WIND FREQUENCIES at 7 hr.



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 ...	6612
Aberdeen ...	
Lerwick ...	11,964
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 32° or below.	33°–41°	42°–50°	51°–59°	Average Maximum.	Minimum. 23° or below	24°–32°	33°–41°	42°–50°	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).	6	19	3	0	45·5	1	22	5	0	36·6	46	12, 28	30	7, 21	39	13	23	22	24
	Croydon ...	7	17	4	0	45·2	3	19	6	0	35·9	46	28	29	7	37	4	21	9	24
	Thorney Island	1	20	7	0	45·7	2	21	5	0	37·6	47	3, 10, 12	31	8	40	4	19	23	24
	Lympne ...	11	15	2	0	43·7	4	21	3	0	34·9	43	12	28	22	36	13	16	9, 22	24
2	Shoeburyness...	6	18	4	0	45·6	1	25	2	0	34·6	44	10, 12, 23	30	7, 21	37	13	23	22	23
	Gorleston ...	6	20	2	0	44·2	1	24	3	0	36·2	45	28	28	21	34	13, 25	23	22	23
	Cranwell ...	6	19	3	0	44·0	2	22	4	0	33·6	46	28	30	1, 21	34	9, 14	21	3, 8	25
3	Birmingham ... (Edgbaston)	7	17	4	0	43·4	2	24	2	0	35·1	46	3	29	21	35	4, 13	20	27	25
4	Ross-on-Wye...	4	16	8	0	45·4	5	18	4	1	35·8	50	3	28	20	43	4	16	27	24
5	The Lizard ...	0	12	13	3	*	0	10	13	5	*	52	2	33	22, 23	48	2	28	22, 23	*
7	Holyhead ... (Valley)	0	9	13	1	45·6	1	14	10	3	39·9	51	3	36	21, 22	44	2, 4	23	8	18
		* 5 Days missing.																		
8	Chester ... (Sealand)	0	22	5	1	45·6	4	16	8	0	35·8	52	3	33	1, 20, 21	40	4	21	8	21
10	Tynemouth ...	2	25	1	0	44·1	0	21	7	0	36·8	46	12	31	1	37	10	25	27	22
11	Leuchars ...	0	22	6	0	44·0	0	20	8	0	34·4	46	12	34	1, 21, 22	37	10, 12	25	23, 25, 26	20
12	Renfrew ...	1	19	8	0	44·1	3	18	7	0	34·6	47	12	31	20	39	12	18	20, 23	21
	Eskdalemuir ...	4	24	0	0	41·1	11	15	2	0	31·5	41	12	30	21	33	12	13	22	24
13B	Stornoway ...	0	7	21	0	44·7	0	7	21	0	37·1	48	3	36	10, 13	41	12, 15	29	13, 19	*
15	Aberdeen ...	1	23	4	0	43·8	1	15	12	0	35·7	42	8, 12, 15	32	22	38	12	21	25	17
18	Aldergrove ...	0	15	13	0	44·5	2	15	10	1	35·6	49	3	33	22	42	4	15	23	17
19	Birr Castle ...	1	8	16	3	46·8	2	13	10	3	36·3	53	3	32	22	48	3	21	23, 24	15
20	Valentia ... (Cahurciveen)	0	4	20	4	48·5	1	3	15	9	41·1	51	1, 2, 3, 12	35	22	49	2	22	24	7

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).	1	26	0	0	24	0	0	24	0	0	0	2	2	0	0	0	2	1	1
	Croydon ...	2	24	0	5	22	0	5	20	0	0	0	1	13	0	0	0	2	11	1
	Thorney Island	2	25	1	3	24	0	2	21	0	0	0	1	4	5	0	0	0	2	3
	Lympne ...	10	16	1	10	16	0	12	10	1	0	0	1	3	5	0	0	0	3	7
2	Shoeburyness...	3	24	0	3	20	0	4	19	0	0	0	3	1	5	0	0	2	0	8
	Gorleston ...	1	27	0	0	27	0	1	24	0	0	0	1	0	7	0	0	0	2	8
	Cranwell ...	2	25	0	2	22	1	2	22	0	0	0	2	5	3	0	0	0	1	12
3	Birmingham ... (Edgbaston)	8	15	0	5	20	0	4	18	0	0	1	11	9	0	0	1	0	6	3
4	Ross-on-Wye...	6	17	0	6	18	0	6	16	0	0	0	0	5	7	0	0	1	2	8
5	The Lizard ...	0	28	0	0	28	0	0	28	0	0	0	0	0	21	0	0	0	0	24
7	Holyhead ... (Valley)	3	21	0	1	23	0	2	23	0	0	0	1	4	13	0	0	0	1	15
8	Chester ... (Sealand)	4	20	0	4	18	2	2	22	0	0	1	4	9	1	0	1	2	3	5
10	Tynemouth ...	0	28	0	0	28	0	0	28	0	0	0	0	3	10	0	0	0	7	11
11	Leuchars ...	3	25	0	1	23	1	2	23	0	0	0	1	2	10	0	0	0	0	11
12	Renfrew ...	3	24	0	4	22	0	2	22	0	1	2	3	9	5	1	0	5	3	8
	Eskdalemuir ...	11	15	0	10	17	0	7	18	0	0	0	1	0	9	0	0	0	2	17
13B	Stornoway ...	2	26	0	0	28	0	0	28	0	0	0	0	0	26	0	0	0	0	25
15	Aberdeen ...	2	26	0	1	21	0	1	18	0	0	0	5	1	4	0	0	0	3	11
18	Aldergrove ...	4	21	2	4	22	1	4	19	3	0	0	1	3	15	0	0	1	1	15
19	Birr Castle ...	1	23	0	1	23	0	1	24	0	0	0	0	0	28	0	0	1	1	25
20	Valentia ... (Cahurciveen)	2	25	0	3	23	1	2	26	0	0	0	1	0	22	0	0	0	0	23

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	26·3	56	33·0	56	33·5	28
850	4660	29·1	19·2	56	25·7	56	25·5	28
750	7870	20·9	13·1	56	19·3	56	21·7	28
650	11460	9·2	3·6	56	8·8	56	11·0	28
550	15550	−4·5	−10·1	56	−6·0	56	−3·0	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	40	6	21	11	2	0	16	0	5	5	5	1	16	5	8	0	0	0	27	22	5	0	0	0	500 above ground.
1000 above M.S.L.	30	6	19	5	0	0	13	0	1	4	7	1	9	3	6	0	0	0	17	14	3	0	0	0	1000 above M.S.L.
2000 ,, ,,	8	2	5	0	1	0	5	0	0	3	1	1	2	1	1	0	0	0	1	0	1	0	0	0	2000 ,, ,,
3000 ,, ,,	4	2	2	0	0	0	2	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	3000 ,, ,,
4000 ,, ,,	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4000 ,, ,,

† 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).

* 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 ..... 1942.

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).	14	10	2	2	0	6·9	14	1329	-140	35	-26	1880	105	1939	23	1940	23	2	2	1	0	0	13	1	681	+75	20	-19	1856	105	1879	2	1895	0	13
	Croydon ...	15	9	3	1	0	6·6	13	1416	-109	33	-29	1922	104	1938	27	1940	20	4	3	1	0	0	7	1	650	-29	17	-32	1921	118	1937	4	1921	0	18
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*	23	1	3	1	0	0	12	1	*	*	16	-32	1941	133	1900	1	1895, 1934	0	12
	Lympne ...	15	8	4	1	0	6·3	14	1641	-124	37	-47	1921	124	1928	30	1940	17	8	0	3	0	0	12	3	652	-72	31	-19	1920	121	1937	3	1934	0	18
2	Shoeburyness ...	14	9	4	1	0	6·3	28	1437	-279	32	-45	1919	105	1920, 1939	34	1940	20	6	0	2	0	0	9	3	455	-48	19	-12	1920	83	1937	4	1934	0	16
	Gorleston ...	*	*	*	*	*	*	*	*	*	*	*	1908	113	1934	41	1931	14	12	1	1	0	0	8	3	561	-61	18	-20	1871	87	1916	4	1891	0	15
	Cranwell ...	9	15	2	2	0	8·0	13	1348	-190	46	-24	1921	99	1934	28	1940	15	9	2	1	1	0	20	2	661	+71	36	-2	1917	89	1923	9	1921	0	18
3	Birmingham ... (Edgbaston)	11	12	4	1	0	6·8	27	1122	-182	34	-23	1887	108	1887	9	1917	18	5	3	2	0	0	10	1	773	+99	27	-16	1893	149	1923	4	1921	0	15
4	Ross-on-Wye ...	11	9	5	3	0	8·4	14	1337	-148	53	-16	1915	119	1934	18	1940	21	4	2	1	0	0	5	1	592	-125	11	-40	1859	170	1923	0	1891	0	8
5	Falmouth ... (Observatory)	8	11	4	5	0	8·5	25, 26	1701	-9	73	-7	1881	127	1909	43	1886	18	8	2	0	0	0	3	2	838	-269	7	-87	1871	229	1923	1	1932	0	1
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	108	1930	36	1918	18	6	1	3	0	0	9	27	788	-99	27	-35	1871	152	1884	5	1932	0	4
8	Chester ... (Sealand)	15	6	6	1	0	6·5	14	1291	-85	40	-22	1923	91	1933	36	1940	18	5	3	2	0	0	15	1	588	-50	37	-2	1922	124	1937	1	1932	0	12
10	Tynemouth ...	*	*	*	*	*			*	*		*	1935	*	*	*	*	12	9	5	1	0	0	5	28	527	-94	22	-13	1915	155	1941	15	1934	0	11
11	Leuchers ...	8	11	4	5	0	8·7	25	1169	-301	69	-7	1922	108	1934	33	1923	14	3	8	3	0	0	7	2	632	-21	37	-8	1922	105	1941	2	1932	0	8
12	Renfrew ...	13	10	5	0	0	4·2	22, 25	1161	-32	32	-18	1921	83	1933	22	1923	15	7	3	2	1	0	21	2	881	-58	48	-34	1921	142	1939	1	1932	0	11
	Eskdalemuir ...	9	10	5	4	0	8·4	16	1131	-70	61	+7	1910	106	1932	23	1918	13	4	7	2	2	0	24	2	1358	-71	73	-53	1910	242	1915	5	1932	0	15
13B	Stornoway ..	8	15	4	1	0	9·0	19	1197	-18	49	-6	1881	91	1886	23	1903	12	4	7	3	2	0	23	26	896	-370	84	-29	1870	204	1898	15	1932	0	7
15	Aberdeen ...	8	11	3	5	1	9·4	28	1144	-185	71	+1	1881	121	1898	33	1923	11	5	10	2	0	0	13	3	821	+73	51	-1	1871	130	1923	6	1891	0	13
18	Aldergrove ...	10	11	4	3	0	8·7	15, 25	1116	-181	58	0	1927	84	1932	33	1940	14	8	4	1	1	0	18	2	897	+59	47	-14	1926	105	1937	3	1932	0	9
19	Birr Castle ...	10	11	4	3	0	7·0	25	*	*	52	-14	1881	102	1906	34	1929	16	8	2	2	0	0	10	28	721	-106	24	-34	1862	133	1925	4	1934	*	*
20	Valentia ... (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	1880	112	1930	29	1926	13	9	3	2	1	0	18	27	*	*	47	-85	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	2	6	8	10	1	1	0	0
Ross-on-Wye ...	0	0	3	7	9	7	1	1	0	0
Falmouth (Obsy.)	0	3	5	8	8	4	0	0	0	0
Renfrew ...	1	4	2	5	10	6	0	0	0	0
Eskdalemuir ...	0	1	5	6	6	6	3	1	0	0
Aberdeen ...	2	7	14	3	2	0	0	0	0	0
Valentia ...	1	0	4	11	10	0	2	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	9	0	13	3	0	1	2	0	0
Ross-on-Wye ...	2	16	0	10	0	0	0	0	0	0
Renfrew ..	0	12	0	7	1	0	2	4	2	0
Eskdalemuir ...	0	0	0	0	0	0	0	1	0	27
Aberdeen ...	0	1	0	0	14	0	6	0	5	2
Valentia ...	0	28	0	0	0	0	0	0	0	0

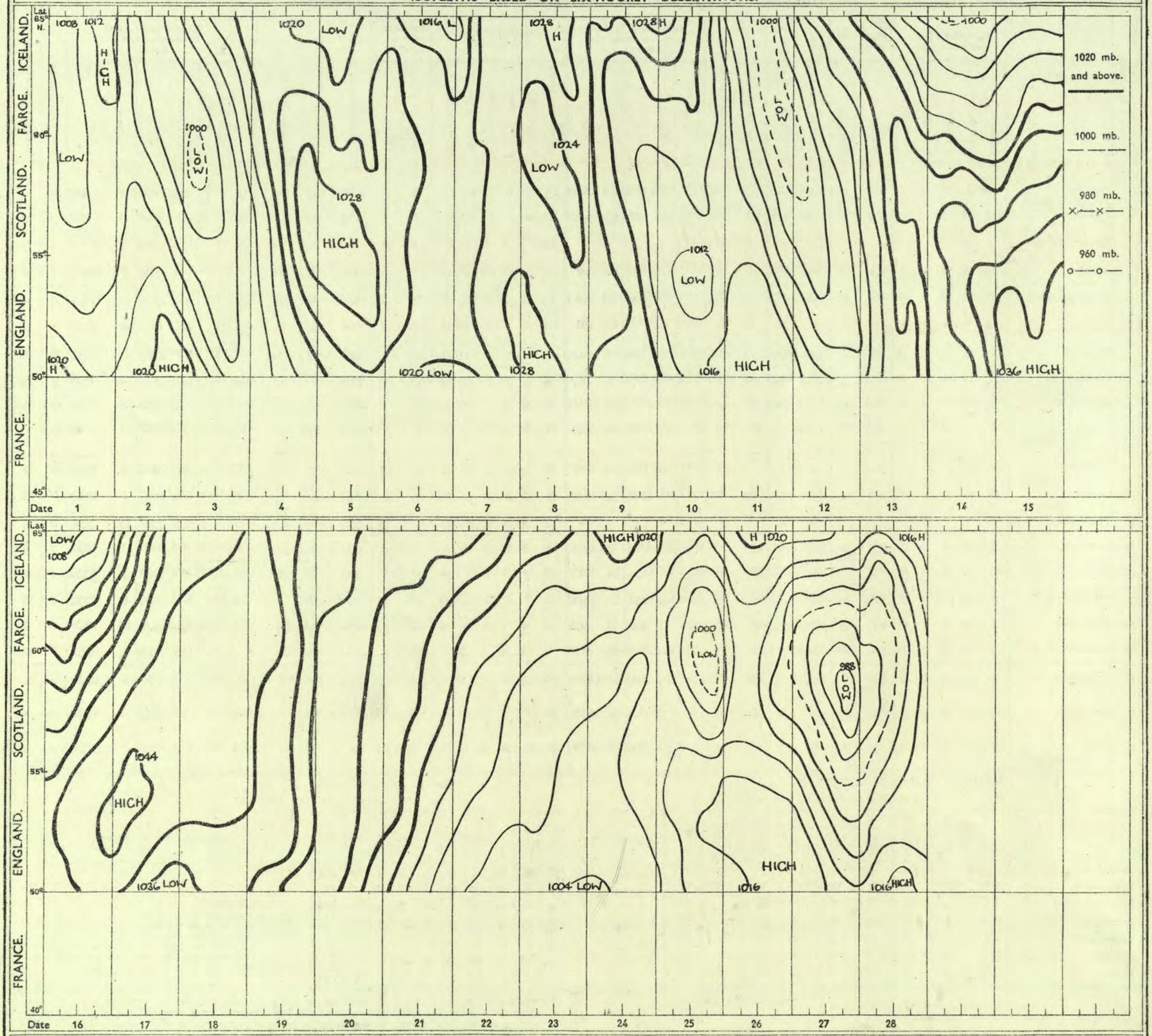
CODE for State of Ground.

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.

‡ 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 1942

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

G.596/4220 Wt. 8131. D. 6026. Gp. 949. 325. 3/41.

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

BRITISH SECTION

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

SECRET

Sunday 1st February 1942

No. 29291

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (12)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15·0	+40	N	4	z_0	35	75	26	6	5	–	–	9+	9+	2500
	Croydon ...	14·0	+38	N	5	z_0	35	85	31	6	8	–	–	7-8	10	1500
	S. Farnborough	15·1	+38	N'W	5	c	36	65	27	7	5	3	–	4-6	9+	2000
	Boscombe Down	16·6	+34	N'E	3	c	36	75	28	7	2	–	1	4-6	7-8	1900
	Thorney Island	14·7	+40	NNE	4	c	38	75	31	7	5	–	1	7-8	7-8	1500
	Lympne ...	12·3	+34	NNW	5	z_0	35	85	30	6	3	–	3	4-6	4-6	1500
	Manston ...	11·4	+32	N	6	z_0	35	75	29	6	5	–	–	7-8	7-8	2500
2	Shoeburyness ...	13·5	+36	N	3	c	35	85	30	7	7	–	–	7-8	7-8	1200
	Felixstowe ...	12·5	+36	N	4	ps	35	75	28	5	2	–	–	9	9	1600
	Gorleston ...	13·1	+36	NE'E	5	c	34	85	30	7	8	–	–	7-8	7-8	1500
	Mildenhall ...	14·4	+34	NNW	4	s_0s_0	33	92	31	6	5	–	–	9+	10	2000
	Cranwell ...	16·4	+30	NNW	4	z_0	33	85	29	6	5	–	–	10	10	1800
3	Birmingham ...	17·5	+28	NNE	4	c	36	65	25	6	5	7	–	7-8	7-8	1500
	Upper Heyford	15·9	+34	N	4	z_0	35	65	25	6	1	–	6	4-6	7-8	2100
4	Ross-on-Wye	17·5	+30	N	3	c	38	65	28	6	1	–	2	1	7-8	3000
5	Hartland Point	18·4	+30	N	4	c	42	65	30	8	2	6	5	4-6	7-8	2000
	Bristol ...	17·5	+38	N	3	z_0	37	75	30	5	5	–	–	9+	9+	2000
	Portland Bill ...	15·8	+36	N	3	c	39	92	37	8	5	2	–	7-8	10	1500
	Plymouth ...	17·8	+30	N'W	5	c	45	65	34	8	1	–	6	4-6	7-8	2500
	The Lizard ...	17·7	+20	N	6	bc	46	65	35	8	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	20·9	+30	N'E	5	bc	46	65	35	8	8	4	2	2-3	4-6	1200
	Guernsey ...															
6	Pembroke ...	19·5	+30	NW'N	5	bc	44	65	28	8	2	4	1	2-3	4-6	2500
7	Holyhead ...	18·2	+24	NNW	3	c	42	65	32	8	2	6	8	2-3	7-8	2500
	Chester (Sealand)	19·2	+34	N'E	1	z_0	38	65	28	5	5	3	–	4-6	9+	6000
8	Manchester ...	17·6	+22	NNW	3	m	36	92	33	4	5	–	3	2-3	2-3	3000
10	Spurn Head ...	15·6	+30	N'E	4	c	33	97	33	7	8	7	–	7-8	9+	1500
	Catterick ...	18·1	+26	NNW	2	z_0	32	85	29	5	5	–	–	4-6	9+	2800
	Tynemouth ...	18·0	+20	NNE	3	c	40	85	35	7	5	–	–	10	10	1700
11	St. Abbs Head	16·5	+10	S	2	c	33	92	31	7	5	4	–	7-8	10	2500
	Leuchars ...	16·7	+10	W	1	c	34	92	33	7	5	7	–	7-8	10	2500
12	Renfrew (Abbots I.)	17·8	+12	W'S	1	z_0	35	65	26	5	–	–	7	0	10	–
	Eskdalemuir ...	18·2	+22	–	0	c	29	85	24	6	5	–	–	7-8	7-8	2900
	Point of Ayre ...	18·1	+20	NW'W	1	c	40	85	35	8	4	–	7	Tr	10	3500
13A	Tiree ...	16·3	+6	–	0	c	40	97	39	8	5	–	–	9	9	2500
13B	Stornoway ...	16·2	+10	SW	1	c	37	97	37	8	3	7	–	4-6	7-8	1500
15	Dalwhinnie ...	17·8	+10	NNE	1	0	31	92	29	8	5	1	–	7-8	10	4000
	Aberdeen ...	16·2	+6	SW'S	2	bc	34	75	28	6	–	3	6	0	4-6	–
	Wick ...	14·3	+8	W'S	2	c/ps	33	92	32	9	8	3	6	2-3	7-8	3000
16	Sumburgh ...	10·9	–2	W	4	ps	35	92	33	5	8	–	–	9+	9+	1000
17	Blacksod Point	21·2	+12	NW	5	ir_0	45	85	41	7	6	–	–	10	10	1500
18	Malin Head ...	17·6	+10	N'W	1	c	44	65	33	8	4	–	7	2-3	7-8	4000
	Aldergrove ...	18·7	+14	–	0	c	38	85	35	7	5	1	–	4-6	10	2500
19	Birr Castle ...	20·8	+8	NNW	2	c	44	85	40	8	8	2	–	7-8	10	2500
20	Valentia Obsy.	24·3	+18	NNW	5	pr	49	65	38	8	8	1	–	7-8	10	2500
	Roches Point	22·5	+18	NNW	3	c	47	85	43	8	5	–	5	4-6	7-8	2500

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

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)	20·4	+26	N	3	z_0	33	65	24	6	5	–	–	9+	9+	4000	1	*
	Croydon ...	19·7	+22	N'W	4	c	31	92	30	5	5	3	6	2-3	9+	2500	1	*
	S. Farnborough	20·7	+26	N'W	2	z_0	32	65	22	6	5	3	6	2-3	7-8	2000	1	*
	Boscombe Down	21·0	+10	–	0	z_0	31	75	25	6	–	7	5	0	4-6	–	1	*
	Thorney Island	20·1	+32	NW	3	z_0	32	75	24	6	4	1	–	2-3	7-8	1500	1	*
	Lympne ...	18·8	+38	N	3	z_0	31	92	29	6	3	6	–	7-8	9+	1800	4	3
	Manston ...	18·1	+36	N	4	z_0	32	75	27	6	5	6	–	4-6	9	2800	1	*
2	Shoeburyness ...	19·2	+34	NNW	2	c	32	85	29	6	5	–	–	10	10	2500	1	*
	Felixstowe ...	18·6	+34	NNW	3	z_0	31	85	27	6	5	–	–	10	10	1600	3	3
	Gorleston ...	18·4	+24	NE	4	z_0	32	85	28	6	8	–	–	10	10	1500	5	4
	Mildenhall ...	19·6	+26	NW'N	4	z_0	31	85	27	6	5	7	–	4-6	10	2000	8	*
	Cranwell ...	19·9	+14	NNW	3	z_0	30	85	25	6	5	1	–	2-3	9+	3000	8	*
3	Birmingham ...	21·1	+10	–	0	z_0	32	75	26	4	–	–	–	0	0	–	4	*
	Upper Heyford	20·5	+22	N	3	z_0	31	75	26	5	5	3	–	2-3	7-8	2500	1	*
4	Ross-on-Wye	20·6	+12	SW'W	1	z_0	34	75	28	5	5	1	–	7-8	9+	2500	1	*
5	Hartland Point	21·2	+14	NNW	4	c	42	65	32	8	2	–	8	2-3	7-8	2000	1	4
	Bristol ...	21·3	+18	–	0	buf+	34	75	28	3	5	–	–	2-3	2-3	3000	1	*
	Portland Bill ...	21·0	+36	N	3	bc	36	92	34	7	5	–	–	4-6	4-6	2500	1	4
	Plymouth ...	22·0	+22	N	2	m	41	85	37	4	4	–	8	4-6	4-6	4000	1	3
	The Lizard ...	22·8	+20	NW'N	4	bc	40	75	34	8	8	6	–	4-6	4-6	2500	1	3
	Scilly (St. Mary's)	23·8	+16	N'W	3	c	45	65	35	8	8	4	3	4-6	7-8	1500	1	4
	Guernsey ...																	
6	Pembroke ...	22·4	+4	NW'N	3	bc	44	75	37	8	8	1	–	4-6	4-6	2500	1	3
7	Holyhead ...	19·4	+6	–	0	z_0	39	85	36	6	5	2	–	4-6	10	2000	1	2
	Chester (Sealand)	20·1	+2	SW'S	1	c/f+	35	75	29	3	–	1	–	0	10	–	1	*
8	Manchester ...	20·7	+22	–	0	m	32	85	27	4	5	7	7	2-3	10	4000	4	*
10	Spurn Head ...	19·3	+10	N'W	3	c	33	97	32	7	5	2	–	7-8	10	1500	3	3
	Catterick ...	20·0	+10	–	0	m	31	97	30	4	5	7	–	9+	9+	4800	4	*
	Tynemouth ...	19·2	+6	N	2	cf	34	75	27	3	5	–	–	9+	9+	2500	4	3
11	St. Abbs Head	17·2	+2	W	2	z_0	31	92	29	5	5	2	–	4-6	7-8	1500	4	2
	Leuchars ...	16·7	+2	–	0	z_0	29	97	29	6	–	7	7	0	10	–	8	*
12	Renfrew (Abbots I.)	17·5	–2	W	1	z_0	33	92	32	5	–	–	7	0	10	–	3	*
	Eskdalemuir ...	18·9	+4	–	0	0	29	85	26	6	5	–	–	10	10	1800	9	*
	Point of Ayre ...	18·5	+2	SSW	2	c	38	92	36	8	4	2	–	1	10	3000	0	1
13A	Tiree ...	13·7	–20	SSW	2	rr	39	97	39	7	–	2	–	10	10	1500	1	3
13B	Stornoway ...	13·8	–10	SSW	2	c	39	92	36	7	3	2	–	7-8	10	1000	1	1
15	Dalwhinnie ...	17·4	–2	–	0	0	30	85	27	7	5	–	–	4-6	10	2500	8	*
	Aberdeen ...	16·0	–2	SW	1	c/f+	32	92	29	2	–	3	–	0	7-8	–	9	3
	Wick ...	14·1	+2	WSW	3	c	34	92	32	8	5	7	–	4-6	10	3000	8	*
16	Sumburgh ...	12·0	+6	NW'W	3	ps	35	85	32	7	8	6	–	7-8	9+	1200	7	5
17	Blacksod Point	17·5	–32	W	4	ir_0	47	92	45	7	6	–	–	10	10	800	2	4
18	Malin Head ...	15·8	–16	SW'S	3	r_0r_0	40	97	39	5	6	–	–	9+	9+	800	1	4
	Aldergrove ...	18·4	–4	SW	1	d_0d_0	39	92	36	6	5	2	–	7-8	10	1000	1	*
19	Birr Castle ...	20·4	–2	WSW	2	ir	41	92	39	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	23·6	–6	W'N	4	ir_0	47	92	45	6	5	2	–	9	10	1500	1	4
	Roches Point	23·0	+4	NW'N	2	c/pr	45	85	41	8	3	1	–	4-6	9	1500	1	*

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 31st. (39)	13h.—18h. 31st (40)	18h. 31st – 1h. 1st (41)	1h. – 7h. 1st (42)
1	London (Kew)	id_0dcz_0	cz_0	cz_0cm_0x	css_0mx
	Croydon ...	$cmmd_0d_0c$	ps_0cm_0	cm_0ofx	$ofxomss_0$
	S. Farnborough	m_0d_0c	$cbccm_0$	cm_0	$cssm$
	Boscombe Down	$cirs_0m_0$	cbc_0bcm_0	cm_0	$ossf$
	Thorney Island	$bcd_0d_0m_0$	bcm_0	bcm_0cm	$cmssm$
	Lympne ...	$cm_0r_0s_0$	$bcps_0m_0$	cm_0	cm_0
	Manston ...	$cm_0shrs_0z_0$	$shbcbz_0$	cz_0m_0	cm_0
2	Shoeburyness ...	cm_0irc	cps_0pslcm_0	bcm_0cm_0	cm_0bm_0
	Felixstowe ...	$cirs_0$	cps_0m_0c	cm_0	cm_0
	Gorleston ...	cph_0	c	cz_0	cz_0
	Mildenhall ...	$cm_0s_0s_0$	$cs_0s_0cm_0$	cm_0	cm_0
	Cranwell ...	om_0ccm_0	$bcps_0cm_0$	cm_0m	$coms_0$
3	Birmingham ...	od_0c	$cbcz$	bzc	$ossf$
	Upper Heyford	cr_0bcz_0	bcz_0cm_0	cm_0cm	cms_0s_0f
4	Ross-on-Wye	p_0cgd_0c	cz_0	$ossr_0$	cm_0
5	Hartland Point	cbc	c	crrc	crrc
	Bristol ...	cir_0m_0	$bczbf$	$bf_0os_0s_0$	$ossr_0r_0$
	Portland Bill ...	c_0	cbc	bcc	orr
	Plymouth ...	bcbbc	bcc	$d_0d_0r_0r_0m$	$r_0r_0ddm_0$
	The Lizard ...	bc	bc	$cprr_0$	oc
	Scilly (St. Mary's)	dc	bcc	cp_0	c
	Guernsey ...				
6	Pembroke ...	bc	bcc	$crrm_0$	cq
7	Holyhead ...	bcc	c	$cr_0r_0rrm_0$	$crrm_0c$
	Chester (Sealand)	cbcm	cbm_0fb	cms_0s_0f	or_0sr_0sm
8	Manchester ...	cm	bm_0cm	cir_0m	ssf
10	Spurn Head ...	c	c	om_0	o
	Catterick ...	$cm_0is_0m_0$	is_0cm_0cm	cm_0cf	$of s_0s_0$
	Tynemouth ...	oc	cff	cffc	os_0
11	St. Abbs Head	cis_0c	cd_0m_0	cm_0	cm_0s_0
	Leuchars ...	$m_0s_0s_0c$	$cbccm_0$	cm_0cmx	$cm_0xs_0s_0m$
12	Renfrew (Abbots I.)	$jfshm_0$	cm_0	$mshfs_0s_0$	ofs_0s_0
	Eskdalemuir ...	pcbcc	com_0	om_0	os_0s_0
	Point of Ayre ...	bbcc	c	cr_0r_0rr	rr
13A	Tiree ...	bcc	odrr	orr	rrr_0
13B	Stornoway ...	cpr	c	cr_0rr	$crrr_0$
15	Dalwhinnie ...	bco	o	*	ois_0
	Aberdeen ...	cis_0bc	bczf	cf	csm_0
	Wick ...	cpsmc	c	c	c
16	Sumburgh ...	ssm_0cis	cps_0	cbcc	cir_0c
17	Blacksod Point	r	r	c	cir
18	Malin Head ...	c	r	r	$orrcdd$
	Aldergrove ...	ps_0bcpr_0c	$cid_0d_0d_0$	$crrm_0$	orrcrd
19	Birr Castle ...	bc	r	*	circ
20	Valentia Obsy.	pr	pr	pr	cpr
	Roches Point	r	pr	r	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate to fresh southeast wind, veering westerly except perhaps in extreme East. A rather prolonged period of snow, turning to rain in most places, except perhaps in the extreme East. Temperatures mainly a little below freezing point, rising somewhat except in extreme East
5 S.W. England 6 South Wales 7 North Wales	Fresh to strong northwest winds. Cloudy with local rain or showers, average temperature.
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 ...	Moderate southeast winds; general snow turning to rain in extreme West; becoming mainly fair later; temperature generally near freezing point.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southerly winds; cloudy with occasional snow, mainly slight; temperatures generally near freezing point.
16 Orkneys and Shetlands	As 13B – 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5-7

GENERAL INFERENCE

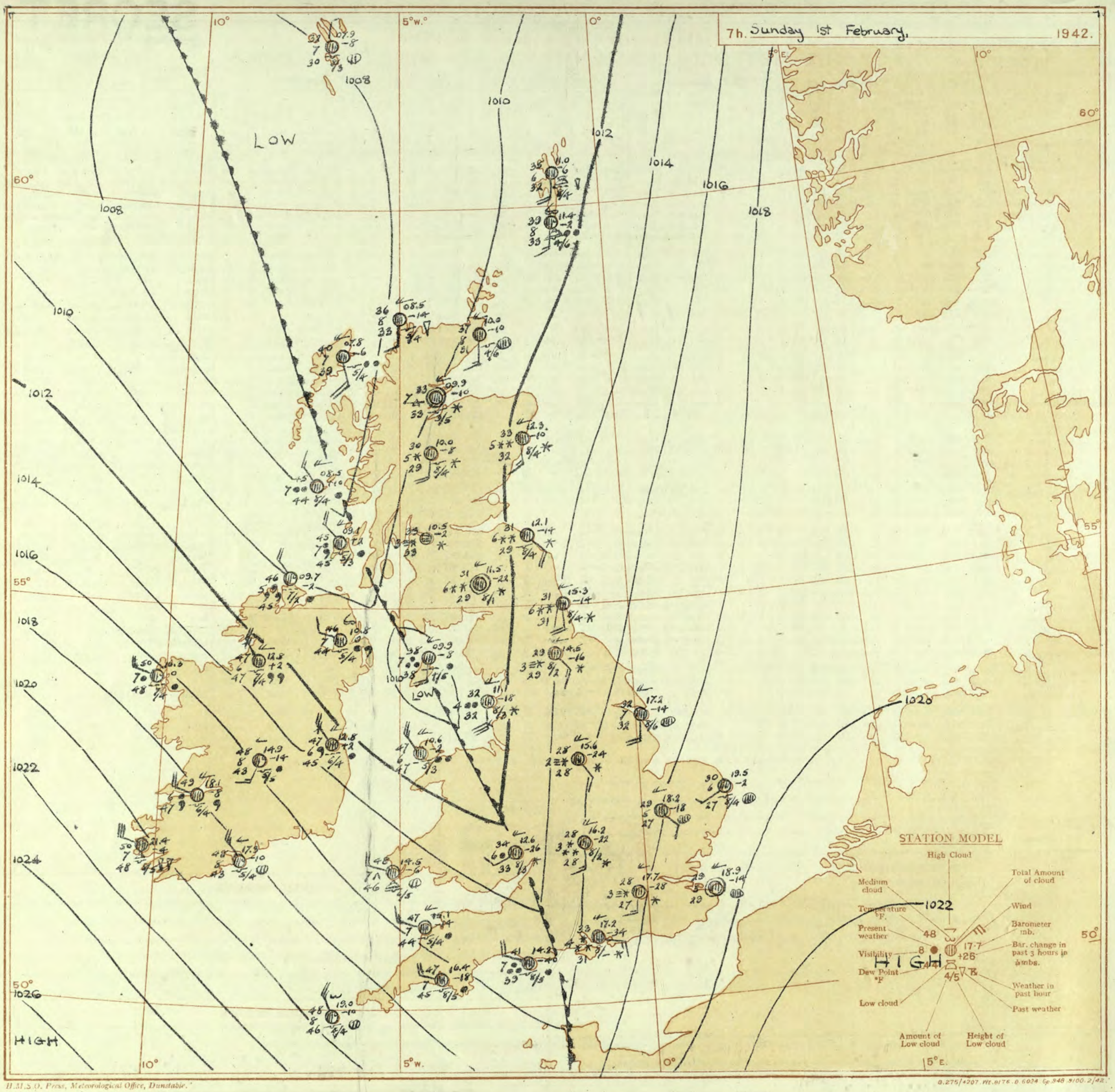
A ridge of high pressure off Southeast England and over the North Sea is moving away. A trough of low pressure over our western districts is extending southeast and a centre is likely to develop near Northwest England and move southeast. There will be general snow in many parts of Great Britain but in all parts of England except the eastern counties the snow will change to rain and temperatures will rise above freezing. Rain in Western Britain at first will give place to fairer conditions

FURTHER OUTLOOK

Occasional rain in many districts, with temperature near average. Continuing cold in extreme East with further snow.

Forecasts issued at 10.30 G.M.T.

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



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

B.275/4207. Wt.8176. D.6034. Gp.948. 8100. 2/42.

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).

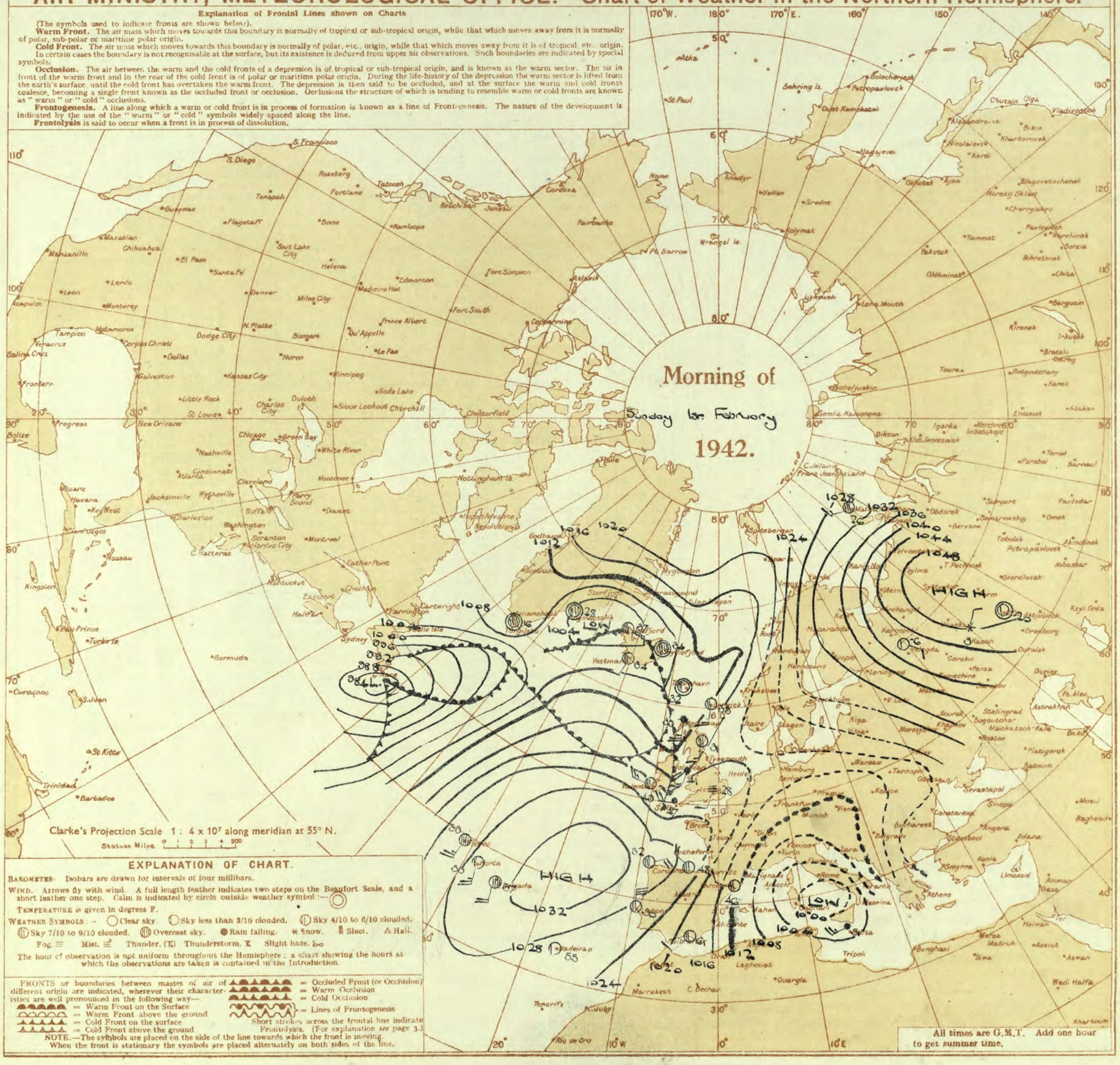
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Sunday 1st February 1942

No. 29291

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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon	217	21·7	-4	SW	1	cf	28	97	27	3	-	-	7	0	10	-
	S. Farnborough	226	21·8	-6	-	0	m	29	85	26	4	-	-	7	0	10	-
	Boscombe Down	417	22·0	-6	SSW	2	iS₀	30	92	28	6	-	1	-	0	10	-
	Thorney Island	10	22·2	-6	W'N	2	m	29	92	27	4	-	-	7	0	10	-
	Lympne	346	21·7	-2	WNW	1	z₀	29	85	27	6	5	-	-	10	10	4000
	Manston	154	20·8	0	NW	1	z₀	31	85	27	6	5	-	-	10	10	3000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	21·1	-2	NW	2	z₀	31	97	30	6	5	-	-	10	10	3500
	Gorleston	5	20·3	0	W'N	2	z₀	30	97	29	6	5	-	-	10	10	1500
	Mildenhall	19	21·1	-2	SW	2	z₀	30	92	29	5	5	-	-	10	10	4000
	Cranwell	240	20·2	-8	S	2	z₀	28	92	25	5	-	1	-	0	10	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·8	-6	-	0	m	30	92	27	4	-	-	7	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·4	-18	WSW	4	rr	43	92	41	7	6	2	-	7-8	10	1500
	Bristol	[illegible]	20·3	-18	S'W	2	sf	33	92	30	3	-	2	-	10	10	2000
	Portland Bill	32	20·9	-6	S	3	c	39	85	36	7	5	-	-	10	10	2500
	Plymouth	82	21·5	-16	-	0	r₀r₀	36	97	36	5	5	1	-	9+	10	3500
	The Lizard	240	22·1	-12	W'N	5	r₀r₀	45	92	43	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	21·1	-18	WNW	4	pr	47	97	46	8	5	2	-	7-8	10	1500
	Guernsey	175															
6	Pembroke	142	18·2	-28	WSW	6	rr	44	97	40	6	8	1	-	7-8	10	2500
7	Holyhead	26	14·4	-34	SSW	4	rr	41	92	38	6	-	2	-	10	10	1500
	Chester (Sealand)	16	17·0	-22	SE'S	3	sf	33	92	32	3	-	2	-	10	10	3000
8	Manchester	235	18·2	-16	SSE	4	iS₀	31	92	29	3	-	2	-	10	10	2500
10	Spurn Head	29	20·1	-2	SW	1	o	31	97	31	6	-	1	-	10	10	4000
	Catterick	175	17·7	-20	SSE	2	of+	30	92	28	3	-	2	-	10	10	4500
	Tynemouth	108	17·6	-14	SW	2	z₀	32	92	31	6	5	1	-	4-6	10	1500
11	St. Abbs Head	280	14·6	-10	SW	4	z₀	31	85	27	6	4	1	-	2-3	10	1500
	Leuchars	36	14·2	-12	-	0	m	31	85	28	4	-	2	-	0	10	-
12	Renfrew (Abbots I.)	19	12·9	-28	E'S	3	S₀S₀	33	97	32	3	5	-	-	10	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13·6	-30	S'W	4	rr	37	97	37	7	6	2	-	7-8	10	2500
13A	Tiree	22	08·8	-24	S'W	4	rr	39	85	35	7	-	2	-	10	10	1500
13B	Stornoway	80	10·1	-14	SSE	5	rr	39	97	39	7	5	2	-	7-8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick	119	11·9	-14	SSW	2	c	35	85	31	8	5	1	-	1	10	4000
16	Sumburgh	30	12·5	+2	SSW	2	c	37	85	33	8	8	3	-	Tr	9+	4000
17	Blacksod Point	18	16·7	-2	WNW	5	c	50	85	46	7	5	-	-	10	10	1500
18	Malin Head	84	09·5	-12	WNW	3	r₀r₀	47	97	46	6	6	-	-	9+	9+	800
	Aldergrove	268	11·9	-36	SSW	1	rr	40	97	39	6	5	-	-	10	10	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·6	-14	NW	5	c/pr	49	85	45	8	8	3	-	7-8	9+	2500
	Roches Point	22	19·9	-14	W'N	3	ir₀	46	92	44	8	6	2	-	7-8	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 1st 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)	17·4	-24	SSE	2	S₀S₀	29	97	29	4	-	2	-	10	10	2500	7	*
Croydon	17·7	-28	S	3	SS	28	97	27	3	-	2	-	0	10	-	8	*
S. Farnborough	17·2	-30	SSW	2	SS	29	97	28	4	-	-	-	10	10	<150	8	*
Boscombe Down	15·7	-38	SSE	4	oSS	31	97	31	3	-	2	-	10	10	800	7	*
Thorney Island	17·2	-34	E'S	3	SS	33	92	31	4	-	2	-	10	10	800	8	*
Lympne	19·6	-16	-	0	z₀	29	92	28	5	5	-	-	10	10	3500	4	§1
Manston	18·9	-14	-	0	z₀	29	97	29	5	-	2	-	0	10	-	3	*
Shoeburyness	18·6	-20	SSE	2	c	31	75	26	5	5	-	-	10	10	5000	3	*
Felixstowe	19·0	-14	-	0	z₀	29	85	25	6	-	2	-	0	10	-	3	1
Gorleston	19·5	-2	SW'W	1	z₀	30	85	27	6	5	-	-	10	10	1500	5	2
Mildenhall	18·2	-18	SE'E	2	z₀	29	92	27	5	-	2	-	0	10	-	8	*
Cranwell	16·5	-18	SSE	3	S₀S₀	29	97	29	4	-	2	-	10	10	4000	8	*
Birmingham	13·9	-26	SE	3	osf	29	97	28	3	6	-	-	10	10	800	8	*
Upper Heyford	16·2	-22	S	3	SS	28	97	28	3	-	2	-	10	10	450	8	*
Ross-on-Wye	12·6	-26	SW'W	2	ir₀	34	97	33	6	-	2	-	10	10	300	7	*
Hartland Point	15·1	-14	WNW	3	c	47	92	44	7	5	2	-	7-8	10	1500	1	4
Bristol	13·0	-34	SW	3	r₀r₀	38	97	37	5	-	2	-	10	10	1500		*
Portland Bill	14·2	-40	WNW	4	rr	41	92	39	7	5	-	-	10	10	2500	1	4
Plymouth	16·4	-18	W'N	4	c	47	92	45	7	5	-	-	10	10	2500	1	3
The Lizard	17·9	-10	WNW	5	c	48	97	48	7	8	6	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	19·0	-10	NW'N	5	c	48	92	46	8	5	3	-	4-6	9	1200	1	4
Guernsey																	
Pembroke	14·5	-6	WNW	4	cq	48	92	46	7	8	-	-	9	10	2500	1	4
Holyhead	10·6	-2	NW'W	5	c/r	47	97	47	6	6	2	-	7-8	10	700	2	4
Chester (Sealand)	11·4	-18	SE	3	RS	33	97	32	5	-	2	-	10	10	600	7	*
Manchester	11·5	-34	SE'S	4	osf	31	97	31	3	-	2	-	10	10	800	8	*
Spurn Head	17·2	-14	S	4	o	32	97	32	7	-	2	-	10	10	4000	3	3
Catterick	14·5	-16	SE	3	osf	29	97	29	3	-	2	-	10	10	400	8	*
Tynemouth	15·3	-14	SSE	4	S₀S₀	31	97	31	6	-	2	-	10	10	1500	4	3
St. Abbs Head	12·1	-14	SE	4	S₀S₀	31	92	29	6	5	-	-	10	10	1500	4	3
Leuchars	11·9	-6	SE	3	S₀S₀	33	97	32	5	-	2	-	10	10	1200	8	*
Renfrew (Abbots I.)	10·5	-2	ENE	2	S₀S₀	33	97	33	3	-	-	-	10	10	<150	7	*
Eskdalemuir	11·5	-22	-	0	S₀S₀	31	97	29	6	-	2	-	10	10	200	9	*
Point of Ayre	09·9	-8	S	4	rr	38	97	38	7	6	2	-	4-6	10	2000	1	3
Tiree	08·5	+10	NW	3	r₀r₀	45	97	44	7	-	2	-	10	10	1800	1	4
Stornoway	07·8	-6	SSE	4	c/r	40	92	39	7	5	2	-	7-8	10	1000	1	2
Dalwhinnie	11·0	-8	S	4	iS₀	30	92	29	5	5	-	-	10	10	1500	8	*
Aberdeen	12·1	-8	S	2	iS₀	34	97	33	5	6	2	-	2-3	10	1700	9	
Wick	10·0	-10	S'E	3	c	37	85	31	8	5	2	-	4-6	10	3000	8	*
Sumburgh	11·4	-2	S	3	c/r	39	75	33	8	6	7	-	4-6	9+	3500	7	3
Blacksod Point	16·3	0	WNW	5	ir₀	50	92	48	7	6	-	-	9+	9+	1500	1	4
Malin Head	09·7	-2	NW	4	dd	46	97	45	5	6	-	-	9+	9+	450	1	4
Aldergrove	10·8	0	WNW	2	c/d	46	92	44	7	5	7	-	7-8	10	1500	2	*
Birr Castle	14·9	-14	SSW	3	c	48	85	44	8	5	1	-	7-8	9	2500	1	*
Valentia Obsy.	21·4	-4	WNW	6	c/pr	50	92	49	7	8	-	-	10	10	2500	1	5
Roches Point	17·3	-10	NW	5	c	48	85	44	8	5	1	-	7-8	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 31st Hrs. (38)
London (Kew)	37	29	21	0·2	2	0·1
Croydon	35	27	23	Tr	1	0·1
S. Farnborough	38	27	23	0·1	5	0·0
Boscombe Down	37	28	26	Tr	5	1·3
Thorney Island	39	28	24	-	3	*
Lympne	36	27	23	0·1	-	2·0
Manston	37	29	24	0·1	-	1·2
Shoeburyness	37	28	24	0·3	-	1·6
Felixstowe	35	28	26	Tr	-	1·2
Gorleston	36	29	28	0·1	-	*
Mildenhall	35	28	25	0·2	-	0·0
Cranwell	35	27	24	Tr	1	1·0
Birmingham	35	28	24	0·2	7	0·2
Upper Heyford	35	28	*	Tr	3	*
Ross-on-Wye	38	31	31	Tr	5	0·3
Hartland Point	43	42	39	-	4	4·2
Bristol	38		24	Tr		0·9
Portland Bill	41	35	*	-	6	*
Plymouth	45	36	30	-	3	6·4
The Lizard	46	39	*	-	1	5·3
Scilly (St. Mary's)	47	44	*	Tr	1	5·4
Guernsey						
Pembroke	45	38	*	-	4	4·8
Holyhead	42	39	35	-	11	*
Chester (Sealand)	37	33	29	-	11	0·4
Manchester	37	30	25	-	5	*
Spurn Head	35	30	*	Tr	-	1·0
Catterick	32	29	28	1	1	0·2
Tynemouth	40	31	29	-	Tr	*
St. Abbs Head	39	28	*	Tr	1	*
Leuchars	35	28	24	Tr	1	0·0
Renfrew (Abbots I.)	36	32	30	Tr	8	0·4
Eskdalemuir	32	27	23	-	12	1·6
Point of Ayre	40	35	*	-	11	1·3
Tiree	42	38	*	2	5	0·0
Stornoway	39	37		0·3	3	0·0
Dalwhinnie	32	27	25	-	0·6	0·0
Aberdeen	34	31	28	0·1	0·2	0·4
Wick	34	33	31	Tr	-	*
Sumburgh	39	32	26	0·5	1	1·7
Blacksod Point	47	46	*	6	1	*
Malin Head	45	[illegible]		3	9	0·0
Aldergrove	40	35	33	1	19	0·2
Birr Castle	45	40	39	1	3	0·5
Valentia Obsy.	49	47	45	0·5	2	0·8
Roches Point	47	*	*	1	0·6	*

§ Sea disturbance reported from Dungeness.

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 31st January / 18h. G.M.T. / 01h. G.M.T. 1st February / 07h. G.M.T.

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
109 36	10753	23385	81	02753	19325	52	03841	13228	52	03721	14328
115 52	02344	28387	52	10845	20388	52	85854	14487	52	02845	16288
303 57	02344	26328	5-	81938	16428	5-	62838	16458			
206 57	02865	24317	52	02865	24227	02	62890	24128	52	78753	00078
210 5	02963	22328	57	02864	19328	01	02890	18128	52	02864	12378
220 51	02854	29217	52	59535	13168				52	62435	14268
230 50	02851	18116	52	51752	00028	51	68744	00078	02	74638	04178
245 5-	23648	24178	57	05664	22128	01	05690	26128	5-	64648	16178
260 00	05690	22228	5-	08448	23228						
278 51	02773	16328	52	05553	13228	02	64768	11368	5-	68648	08178
279 10	05651	00018	07	05590	20127	02	72438	12378	02	77328	02278
285			5-	05636	08316						
288 5-	05648	32378	5·	08463	18127	52	08457	20228	02	77358	16878
575 51	02863	29268	52	62645	26268	62	52537	59468			
301 00	05630	06225	07	47390	14148	02	74338	47578	02	62438	47678
321 50	02751	30487	07	05590	30224	01	08490	15328	02	72438	14378
299 5-	37648	32588				00	00790	24110	5-	05668	20428
292 51	02735	30327	51	08463	23288	02	47390	14228	02	72448	12378
310											
614 02	05624	02315	51	08453	30328	01	45390	18248	02	77290	12278

13h. G.M.T. 31st January / 18h. G.M.T. / 01h. G.M.T. 1st February / 07h. G.M.T.

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
333 14	01861	32315	52	02755	00018	52	64645	00068	52	22646	26468
334 --	02645	25316	--	02654	02116						
340 5-	05667	31227				02	77348	14378			
136 8-	83538	32488	5-	05668	32488	5-	05668	24128	02	05590	14228
336 57	02756	04328	57	05645	32328						
350 20	05643	30424	26	05653	26227	01	05590	15128	--	77309	14279
368 80	02754	32315	5-	17553	00026	52	52546	14158	5-	62548	30168
379 20	05644	32474	50	05658	32313	01	08690	22328	02	77348	12478
390 5-	71647	63477	57	05553	30477	00	08490	22228	02	77368	16378
382 8-	02755	01426	47	05654	32215	01	0840	00028	--	77309	14479
438 70	02648	32529									
430 10	05654	30564	--	05654	32315	00	05690	30228	03	74478	14278
409 20	01853	30514	24	02852	31416	52	64626	24468	57	02744	63568

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 1st.
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	id₀d₀cz	cz	c§§mx	
Croydon	cmmd₀d₀	p§cm	ofxoms	
Greenwich	c	i§c	c§3	
Camden Square			*	
Kensington	orbc	bc	*	
Hampstead	ors	bcps	bcosx	

Kew 24 hours ended 7h. Max. 0·5 Time 23h. 31st. Min. <0·1 Time *

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	37	28	21	0·2	2	0·1	*	*
Croydon	35	27	23	Tr	1	0·1	*	*
Greenwich	36	27	25	Tr	*	*		
Westminster	37	30	28		3		70	
Regents Park								
Camden Square						*	*	
Kensington	37	29	29	0·1	4		84	92
Hampstead	35	27	23	Tr	9		*	98

BRITISH SECTION

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

~~SECRET~~

Monday 2nd February 1942

No. 29292

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)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14.0	-8	E	2	df	33	97	32	2	-	2	-	10	10	2500
	Croydon ...	14.3	-16	SE	3	ss	33	97	32	4	-	2	-	10	10	1500
	S. Farnborough	13.7	-10	SE'E	2	ss	33	97	32	4	5	-	-	10	10	600
	Boscombe Down	13.7	-2	SE	1	df	34	97	34	3	-	2	-	10	10	4150
	Thorney Island	12.6	-22	E'S	3	r.r.	36	97	36	7	-	2	-	10	10	800
	Lympne ...	16.3	-22	SSE	4	s.s.	33	97	33	4	-	2	-	10	10	500
	Manston ...	15.9	-22	SSE	4	s.s.	32	92	29	4	5	-	-	10	10	500
2	Shoeburyness ...	16.0	-20	SE	4	s.s.	33	92	31	5	-	2	-	10	10	600
	Felixstowe ...	16.8	-10	SE'S	2	s.s.	32	92	30	5	-	2	-	10	10	1500
	Gorleston ...	17.8	-10	SE	2	z.	34	95	28	6	5	1	-	4-6	7-8	1800
	Mildenhall ...	16.2	-8	SE'E	4	s.s.	31	92	28	5	-	2	-	10	10	1000
	Cranwell ...	18.3	-6	SE'S	4	is.	29	97	29	5	-	2	-	10	10	1200
3	Birmingham ...	13.1	+2	ESE	2	r.r.	31	97	31	4	6	-	-	10	10	800
	Upper Heyford	14.1	-8	E	2	s.s.	31	97	31	4	-	2	-	10	10	500
4	Ross-on-Wye	12.3	0	SSW	2	df	38	97	37	3	5	-	-	10	10	800
5	Hartland Point	15.2	0	WNW	3	c	48	92	45	8	5	-	-	9+	9+	2000
	Bristol ...	12.6	0	W	3	id.	46	92	45	6	5	-	-	10	10	1000
	Portland Bill ...	13.0	-4	W	4	c	47	92	45	7	5	-	-	10	10	2500
	Plymouth ...	16.3	-2	NW	4	c/r	50	92	48	6	5	2	-	9	10	1200
	The Lizard ...	17.7	-4	NW	5	c	50	92	48	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	19.4	-2	NW'N	5	c/pr	51	92	48	7	8	6	-	4-6	9	1200
	Guernsey ...															
6	Pembroke ...	15.1	+6	NW'W	6	cq	50	92	48	8	8	-	-	9+	9+	2500
7	Holyhead ...	12.2	+6	WNW	5	d.d.	48	97	48	6	6	2	-	7-8	10	500
	Chester (Sealand)	13.5	+24	ESE	2	r.r.	33	92	32	4	-	2	-	10	10	2000
8	Manchester ...	13.6	+8	SE'E	3	s.s.	32	97	32	4	-	2	-	10	10	800
10	Spurn Head ...	16.2	-4	SSE	5	o	32	85	27	7	-	2	-	10	10	1500
	Catterick ...	15.1	+2	SSE	4	sf	29	97	29	3	6	2	-	7-8	10	800
	Tynemouth ...	15.2	+4	SSE	4	c/s	31	92	29	6	-	2	-	10	10	1500
11	St. Abbs Head	12.1	-6	SSE	5	s.s.	31	97	31	5	5	-	-	10	10	2000
	Leuchars ...	12.2	-2	SE	3	s.s.	32	97	31	6	-	2	-	10	10	500
12	Renfrew (Abbots I.)	11.5	+4	NE	2	is.	34	97	34	3	5	-	-	10	10	1000
	Eskdalemuir ...	13.7	+2	S'W	2	s.s.	30	92	28	5	-	2	-	10	10	100
	Point of Ayre ...	11.8	+10	S	4	r.r.	39	97	39	6	6	2	-	9	10	1000
13A	Tiree ...	10.0	+6	NW'W	1	dd	45	97	45	6	-	2	-	10	10	800
13B	Stornoway ...	07.6	-6	W'S	3	rr	43	97	43	7	5	2	-	9	10	1000
15	Dalwhinnie ...	11.2	0	S	4	s.s.	30	92	29	4	5	-	-	10	10	1500
	Aberdeen ...	12.7	-4	S'E	4	s.s.	35	92	32	4	6	2	-	4-6	10	1500
	Wick ...	09.7	-10	S	6	c/r	37	85	33	7	5	-	-	4-6	10	800
16	Sumburgh ...	12.7	-2	S'W	5	c	39	75	32	8	2	8	-	7-8	10	1500
17	Blacksod Point	16.7	-4	W'N	5	d.d.	51	97	51	6	6	-	-	10	10	800
18	Malin Head ...	11.5	+2	NW	4	id.	49	97	49	5	3	-	-	9+	9+	450
	Aldergrove ...	12.6	+6	NW'W	3	c/d	48	92	46	8	5	7	-	9	10	900
19	Birr Castle ...	16.9	+2	NW	2	c	51	85	47	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	21.5	-2	WNW	4	d.d.	51	97	51	6	5	-	-	10	10	450
	Roches Point	18.3	0	N'W	6	c	52	85	48	8	8	-	-	9	9	2500

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)	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)	14.8	+10	E'S	2	rs	34	92	32	3	5	-	-	10	10	2500	7	*
	Croydon ...	15.0	+10	SE	2	s.s.	34	92	32	5	6	-	-	10	10	800	8	*
	S. Farnborough	14.2	+10	SE'E	2	d.d.	33	97	33	4	5	-	-	10	10	700	8	*
	Boscombe Down	14.4	+8	E'S	2	F	34	97	33	1	-	-	-	10	10	4150	6	*
	Thorney Island	13.8	+14	E	2	r.r.	35	92	35	5	-	2	-	10	10	800	6	*
	Lympne ...	16.1	0	SE	3	c/s	33	92	31	5	6	-	-	10	10	500	8	§
	Manston ...	16.0	+6	SE'S	3	c/s	33	85	30	5	5	2	-	9+	10	600	8	*
2	Shoeburyness ...	15.8	+2	SE	3	is.	33	85	31	5	-	2	-	10	10	800	4	*
	Felixstowe ...	16.3	-2	SSE	3	s.s.	34	85	31	5	5	2	-	9+	10	2000	4	2
	Gorleston ...	17.4	0	S'E	4	c/pr	33	92	32	6	5	-	-	10	10	1500	6	3
	Mildenhall ...	15.8	+2	SE	3	s.s.	33	85	29	4	-	2	-	10	10	800	8	*
	Cranwell ...	15.3	+2	SE	3	s.s.	30	97	30	6	-	2	-	10	10	600	8	*
3	Birmingham ...	14.2	+8	E	1	ir.	32	97	32	3	6	-	-	10	10	450	8	*
	Upper Heyford	14.2	+2	ESE	1	sf	32	97	32	3	-	-	-	10	10	4150	7	*
4	Ross-on-Wye	13.6	+10	ENE	2	rf	38	97	35	2	-	2	-	10	10	500	1	*
5	Hartland Point	16.0	+2	NW	4	c	48	92	46	8	5	4	-	7-8	9	1000	1	4
	Bristol ...	13.6	+6	-	0	df	45	97	45	2	5	2	-	9+	10	1800	1	*
	Portland Bill ...	13.6	+6	WNW	4	c	48	92	46	8	5	-	-	10	10	2500	1	4
	Plymouth ...	16.4	+2	NW'N	5	z.	50	92	47	6	5	-	-	10	10	1000	1	3
	The Lizard ...	18.0	+6	NW	6	c	49	97	49	8	8	4	-	7-8	7-8	2500	0	5
	Scilly (St. Mary's)	19.4	+6	NW'N	5	c	50	97	49	7	5	-	-	10	10	800	1	4
	Guernsey ...																	
6	Pembroke ...	16.0	0	WNW	4	c	49	97	47	8	8	4	-	7-8	9+	2500	1	3
7	Holyhead ...	12.6	+6	NW	5	z.	48	97	47	6	5	-	-	9+	9+	1000	2	4
	Chester (Sealand)	14.0	+10	SE'E	2	df	33	97	32	3	-	2	-	10	10	1000	4	*
8	Manchester ...	15.2	+12	-	0	is.	31	97	30	4	-	2	-	10	10	1000	8	*
10	Spurn Head ...	16.2	+6	SE	4	s.s.	34	92	32	6	-	2	-	10	10	1500	3	3
	Catterick ...	15.4	+2	SSE	2	sf	28	97	28	3	-	2	*	10	10	800	8	*
	Tynemouth ...	15.1	0	S	4	s.s.	31	92	29	5	-	2	-	10	10	1500	8	3
11	St. Abbs Head	11.5	-6	SSE	5	s.s.	29	97	29	4	5	-	-	10	10	1500	7	4
	Leuchars ...	11.5	-4	-	0	s.s.	32	97	32	4	-	2	-	10	10	300	8	*
12	Renfrew (Abbots I.)	10.9	-4	NE'E	1	ir.	34	97	34	2	5	-	-	10	10	1000	6	*
	Eskdalemuir ...	12.5	-2	S	3	s.s.	30	97	29	4	-	2	-	10	10	100	9	*
	Point of Ayre ...	11.1	-4	S	4	r.r.	39	97	39	3	-	2	-	10	10	800	1	4
13A	Tiree ...	08.6	-4	NW'W	3	d.d.	48	97	48	6	5	-	-	10	10	800	1	4
13B	Stornoway ...	07.2	0	W	3	pr	43	92		7	5	7	-	7-8	9+	1500	1	2
15	Dalwhinnie ...	10.4	-2	SSW	3	c/s	31	92	29	5	5	-	-	10	10	1500	8	*
	Aberdeen ...	11.5	-8	S	4	s.s.	34	92	31	4	6	2	-	7-8	10	1200	9	3
	Wick ...	08.7	-6	SSE	5	rs	35	92	34	5	5	2	-	7-8	10	500	1	*
16	Sumburgh ...	12.6	0	SSE	6	c/r	36	92	33	6	5	-	-	9	10	1000	4	4
17	Blacksod Point	16.7	0	WNW	5	dd	50	97	50	6	6	-	2	10	10	800	1	4
18	Malin Head ...	10.9	-8	WNW	3	df	48	97	48	2	-	-	-	10	10	4150	1	4
	Aldergrove ...	12.3	0	W	2	id.	48	97	47	8	5	-	-	10	10	1000	2	*
19	Birr Castle ...	16.0	0	NW	2	c	51	85	47	8	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	21.9	+6	NW'N	4	id.	50	97	50	6	5	-	-	10	10	800	1	4
	Roches Point	18.9	+10	NNW	5	c/pr	51	92	49	8	8	1	-	7-8	9+	1500	1	*

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 1st (39)	13h.—18h. 1st (40)	18h. 1st to 1h. 2nd (41)	1h.—7h. 2nd (42)
1	London (Kew)	s.s.ff	s.s.ff	r.s.r.s.f	r.s.rsf
	Croydon ...	o.m.ss	c.m.s.s.o	is.s.s.	ss.d.r.
	S. Farnborough	ss.m.o	s.r.r.m.d.m.o	os.m.o.d.d.c.d.m.f	
	Boscombe Down	o.s.o.r.r.d.d.m	id.f.f.e	o.d.f	o.d.f.c.f
	Thorney Island	o.s.s.r.r.m.	o.r.r.m.	d.d.r.r.f	d.r.r.f.i.r.
	Lympne ...	o.s.o.s.fm	o.m.s.o.s.m.	c.m.s.m.	o.m.m.s.s.
	Manston ...	s.s.s.o.s.o.m	c.s.o.s.m.m.	i.s.s.s.m.s.s.s.s.m	
2	Shoeburyness ...	c.m.s.s.m.o	s.s.s.s.	o.i.s.m.s.s	o.m.s.s.s.
	Felixstowe ...	o.m.s.o.s.o.m.	s.o.s.m.o	o.s.s.i.s.	s.s.
	Gorleston ...	c.z.	c.p.s.	c.p.s.d	o.s.s.r.
	Mildenhall ...	o.m.s.o.s.o	o.m.s.o.s.	o.m.s.s.	m.s.o.m.
	Cranwell ...	o.s.o.s.m.m.	o.i.s.o.s.o.m	o.m.f.s.s	o.f.s.s.
3	Birmingham ...	f.s.s.r.	o.i.r.f	f.r.s.r.	F.r.
	Upper Heyford	f.s.s.s.o.s.	s.o.s.i.r.s.s.o.s.f	o.r.r.f	r.r.r.d.d.f
4	Ross-on-Wye	r.m.f.d	e.f.r.f	r.r.f	c.m.c.f
5	Hartland Point	c	c	c.i.r.c	c
	Bristol ...	o.r.r.c.d.	e.f	c.f.d.d.m.	c.m.d.d.
	Portland Bill ...	c	c	c	c
	Plymouth ...	c.r.r.m.	c	c.i.r.c	c.c.d.d.m.
	The Lizard ...	c	c	c	c.o
	Scilly (St. Mary's)	c.d.p.	c	c	c
	Guernsey ...				
6	Pembroke ...	c.q	c	c.p.c.q	c.q
7	Holyhead ...	d.d.o.m.o	d.m.c	c.i.p.i.d.m.c	
	Chester (Sealand)	r.s.s.r.r.m	r.r.o.m	o.d.d.F	F.d.d.m.f
8	Manchester ...	o.m.s.s.	s.i.s.	s.r.r.r.	
10	Spurn Head ...	o	o.s.o	o.s.s	s.s.
	Catterick ...	c.f.s.s.o	s	o.f.s.s.	
	Tynemouth ...	o.s.s.o	s	o.f.o.m.	
11	St. Abbs Head	o.m.s.o	s	o.m.s.s.	
	Leuchars ...	o.s.s.o.m.m.	o.s.s.o.m	s.s.m.d.d.f	d.d.f.c.m.
12	Renfrew (Abbots I.)	f.s.s.i.s.o	f.i.s.o.i.d.o.i.r.	o.f.r.d.o.m	c.m.f.f
	Eskdalemuir ...	o.s.s.	o.s.s.	s.s.s.s.h	o.f
	Point of Ayre ...	r.r.r.s.r.	r.r.f.o	r.r.f.o.c	
13A	Tiree ...	o.d.o.	o.d.i.d	c.i.d.b.c	c.d.
13B	Stornoway ...	e.r.r	e.r.r.p.r	c.p.r	c.
15	Dalwhinnie ...	o.s.s.o	o.s.s		o.i.s.
	Aberdeen ...	c.s.s.o.m.o	c.s.s.o.m	c.s.s.o.m	c.r.s.o.z.o
	Wick ...	c.r.c	c.r.s.o.m.	r.s.r.d.r.s.o.c.r.r.o.m.c	
16	Sumburgh ...	c.i.r.s.c	c.r.s.c	c.i.r.s.o.m.	c.r.s.o.m.c
17	Blacksod Point	r	d	d	d
18	Malin Head ...	d	d	d	c
	Aldergrove ...	i.d.d.o.m.o	i.d.m.i.d.	i.d.d.f	d.d.m.j.f.c
19	Birr Castle ...	b.c	b.c	*	r
20	Valentia Obsy.	p.r	d	d	d
	Roches Point	b.c	p.r	p.r	b.c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 2nd February 1942.

Districts	Forecast
1 S.E. England 2 E. England ...	Light or moderate southeast wind, freshening later; dull, occasional snow or sleet; local fog; cold.
3 E. Midlands ... 4 W. Midlands	Light variable winds becoming southeast moderate or fresh later; dull, occasional rain sleet or snow; local fog; cold.
5 S.W. England 6 South Wales	
7 North Wales 8 N.W. England	Moderate northwest wind backing west, fresh; dull, occasional rain or drizzle; rather mild.
9 N. Midlands ... 10 N.E. England	Light variable winds becoming south moderate or fresh; dull; occasional rain or sleet; snow locally; local fog; cold.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light southeast winds freshening later; dull, occasional rain, sleet or snow; local fog; mainly cold.
13A W. Scotland ... 13B N.W. Scotland	Light variable winds, becoming southeast moderate or fresh; dull; occasional rain; average temperature.
14 Mid Scotland 15 N.E. Scotland	Moderate southeast wind freshening; dull; occasional rain, sleet or snow; cold.
16 Orkneys and Shetlands	As 14-15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate northwest wind backing west, strong locally on coasts, veering later; dull; occasional rain; mild.

GENERAL INFERENCE

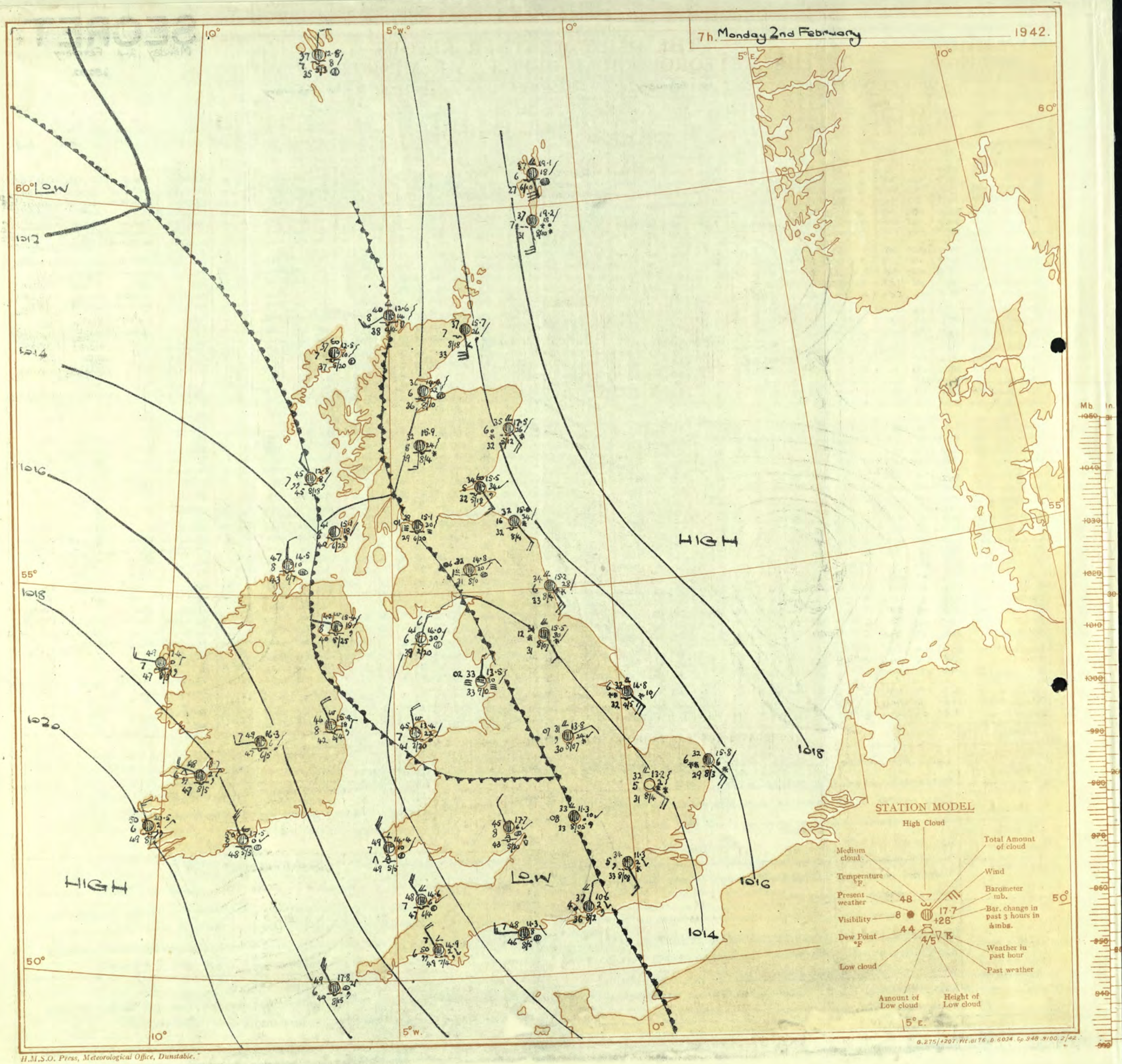
An elongated trough of low pressure extends from Northwest Scotland to the Isle of Wight and a depression off Southwest Iceland is expected to move southeast. In eastern districts of England weather will be dull with occasional snow or sleet, but it will be cloudy and mild in West Wales and Southwest England. It will continue cold in the eastern half of Great Britain.

FURTHER OUTLOOK

Wintry conditions probably continuing over the eastern half of Great Britain with further snow locally mild in the West.

Forecasts issued at 10.30. G.M.T.

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



H.M.S.O. Press, Meteorological Office, 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).

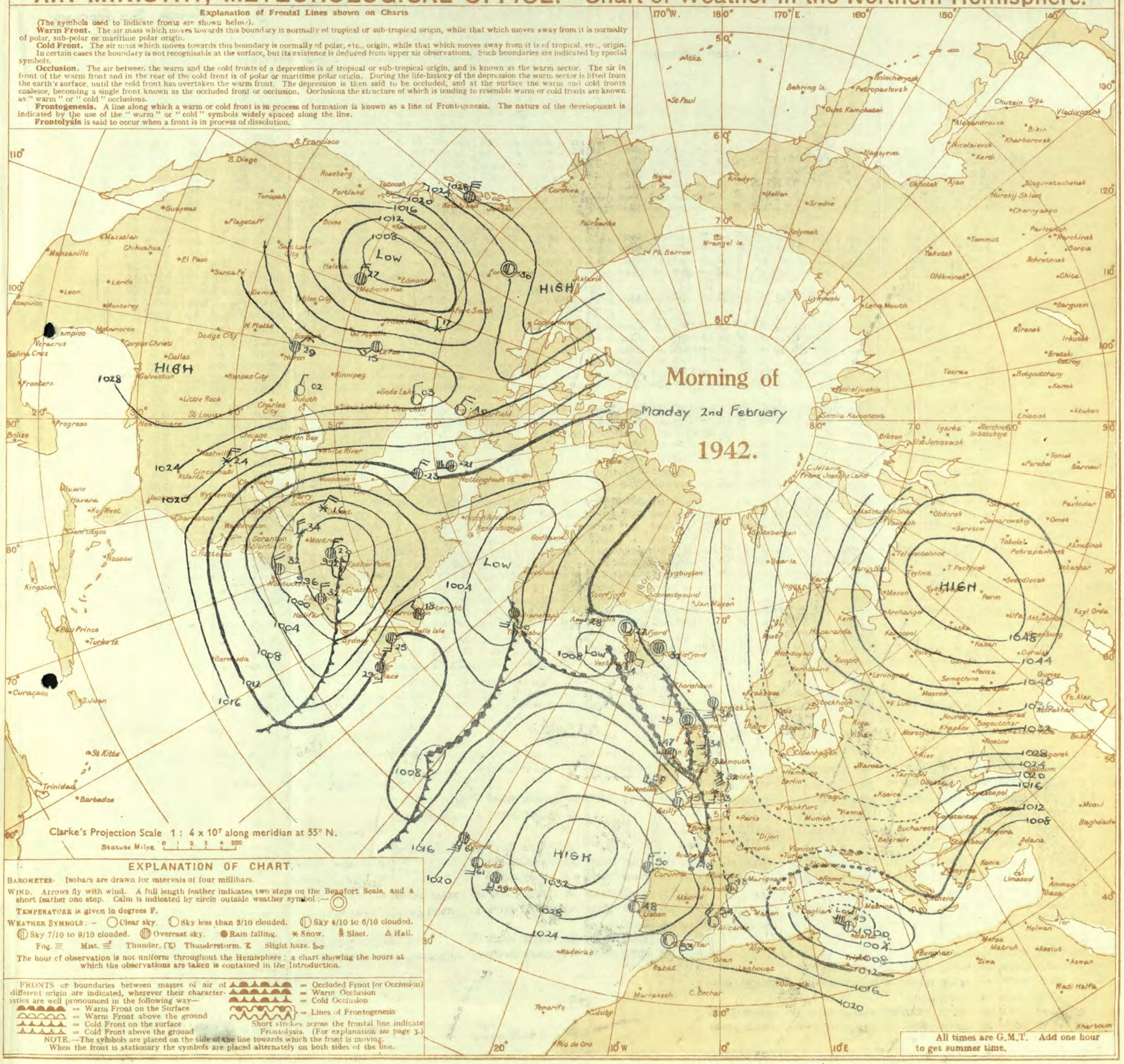
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (Th) 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.

Monday 2nd February 1942

No. 29292.

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	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Croydon	217	14·2	-8	S	3	SS	33	97	33	4	–	2	–	10	10	1000
	S. Farnborough	226	13·1	-14	SE'S	3	d_0d_0	33	97	33	5	5	2	–	9	10	700
	Boscombe Down	417	13·8	-10	SSE	3	dF	34	97	33	1	–	–	–	10	10	<150
	Thorney Island	10	13·5	-10	ESE	2	rf	35	97	35	3	–	2	–	10	10	450
	Lympne	346	16·5	-6	SE	4	iS_0	31	97	30	6	5	–	–	10	10	600
	Manston	154	15·5	-10	S	3	S_0S_0	31	85	29	5	5	–	–	10	10	1200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	16·3	-8	S'E	4	iS_0	33	92	32	4	5	–	–	10	10	1400
	Gorleston	5	16·9	-10	S'E	4	iS_0	33	85	30	6	6	–	–	10	10	1500
	Mildenhall	19	14·6	-10	SE'S	3	S_0S_0	32	92	31	4	–	2	–	10	10	1500
	Cranwell	240	12·7	-18	SE	4	Sf	31	97	31	3	–	2	–	10	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·5	-14	SSE	1	r_0r_0	32	97	32	3	–	2	–	10	10	450
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·1	-6	WNW	2	c	47	97	46	8	5	2	–	9	10	2500
	Bristol	209	11·7	-20	SW	3	c/d	46	97	46	6	5	2	–	7-8	10	1200
	Portland Bill	32	12·9	-12	WNW	3	c	48	85	46	8	5	2	–	7-8	10	2500
	Plymouth	82	15·7	-6	NW'N	4	c	50	92	48	8	5	–	–	10	10	3500
	The Lizard	240	17·2	-8	NW	5	c	49	92	47	8	8	2	–	7-8	10	1500
	Scilly (St. Mary's)	163	18·9	-6	NW'N	5	c	49	97	48	7	5	–	–	9+	9+	800
	Guernsey	175															
6	Pembroke	142	14·3	-10	WNW	4	cq	49	97	49	8	8	1	–	7-8	9+	2500
7	Holyhead	26	11·5	-2	NW'W	5	c	48	97	48	8	5	2	–	7-8	10	1900
	Chester (Sealand)	16	10·3	-16	SE'S	2	dF	33	97	32	1	–	2	–	10	10	<150
8	Manchester	235	11·0	-18	–	0	r_0r_0	32	97	32	4	–	2	–	10	10	1500
10	Spurn Head	29	14·0	-12	SE	6	SS	32	92	32	5	5	–	–	10	10	1500
	Catterick	175	12·3	-14	S	2	Sf	30	97	29	3	–	–	–	10	10	<150
	Tynemouth	108	12·4	-14	S	4	S_0S_0	32	97	32	5	–	2	–	10	10	1500
11	St. Abbs Head	280	10·4	+2	SSE	5	S_0S_0	29	97	29	3	5	–	–	10	10	1500
	Leuchars	36	09·8	+2	–	0	df	33	97	33	3	–	–	–	10	10	<150
12	Renfrew (Abbots I.)	19	10·2	+6	–	0	m/f	33	97	33	4	–	1	–	0	10	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	09·9	+6	NW'N	5	z_0	46	97	46	6	6	2	–	9	10	1000
13A	Tiree	22	10·8	+10	NNW	3	bc/d	44	92	43	8	5	3	–	4-6	4-6	2500
13B	Stornoway	80	09·7	+10	–	0	c	39	92	36	7	5	7	–	4-6	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick	119	10·5	+14	SSE	5	rS	36	92	33	6	5	2	–	4-6	10	500
16	Sumburgh	30	15·8	+14	S'E	6	c/rS	35	85	32	6	6	1	–	9+	10	1000
17	Blacksod Point	18	16·9	0	WNW	4	id_0	50	97	49	7	6	–	–	10	10	800
18	Malin Head	84	12·3	+12	NW'W	3	c/pr	47	92	45	7	4	–	5	2-3	7-8	2500
	Aldergrove	268	12·1	+2	NW'W	3	d_0d_0	47	97	46	4	5	–	–	10	10	200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·8	-2	WNW	4	id_0	50	97	49	6	5	–	–	10	10	450
	Roches Point	22	17·9	-8	NNW	4	c	50	92	48	8	5	–	–	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 2nd 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 1st Hrs. (38)
London (Kew)	11·4	0	E'S	2	of	34	97	33	3	5	–	–	10	10	2500	7	*	34	33	31	7	7	0·0
Croydon	11·3	-2	SSE	3	id	34	97	33	5	6	–	–	10	10	800	8	*	34	33	32	3	4	0·0
S. Farnborough	11·3	+4	–	0	d_0d_0	34	97	33	2	5	–	–	10	10	600	6	*	34	33	32	7	5	0·0
Boscombe Down	11·4	-6	N	3	rf	39	97	38	3	6	–	–	10	10	400	6	*	35	32	32	6	3	0·0
Thorney Island	10·6	-2	N'E	1	ir	37	97	36	4	–	2	–	10	10	450	1	*	36	34	35	9	3	*
Lympne	14·3	-2	SE	4	S_0S_0	30	97	30	4	–	2	–	10	10	200	8§	4	30	29	30	4	4	0·0
Manston	13·9	+2	SE'S	3	SS	29	97	29	4	5	–	–	10	10	600	8	*	34	29	26	1	*	0·0
Shoeburyness	13·9	+4	ESE	4	S_0S_0	31	92	28	5	–	2	–	10	10	700	8	*	34	30	31	3	4	0·0
Felixstowe	14·6	0	SE'S	5	Sf	31	92	29	3	–	2	–	10	10	450	8	4	34	30	30	1	4	0·0
Gorleston	15·8	+6	SE	5	S_0S_0	32	92	29	6	6	–	–	10	10	800	8	5	35	31	31	Tr	1	*
Mildenhall	13·2	+2	SE'E	4	o/S	32	97	31	5	–	2	–	10	10	1500	7	*	33	31	31	2	5	0·0
Cranwell	13·4	+14	SE	4	Sf	30	97	30	3	–	2	–	10	10	800	8	*	30	29	30	1	5	0·0
Birmingham	12·4	+12	NNW	2	rF	34	97	33	1	–	–	–	10	10	<150	6	*	32	31	31	5	5	0·0
Upper Heyford	11·3	+10	–	0	o/d	33	97	33	3	–	2	–	10	10	500	6	*	32	32	*	6	4	*
Ross-on-Wye	17·7	+6	NNW	2	c/pr	45	92	43	8	8	–	–	7-8	7-8	2500	1	*	40	34	34	3	2	0·0
Hartland Point	14·6	+6	NW	4	c	48	92	47	7	5	2	–	9	10	1500	1	4	48	47	46	–	Tr	0·0
Bristol	11·4	+2	NW	4	d_0d_0	48	92	45	7	5	2	–	9	10	900	1	*	48	43	43	1	0·2	0·0
Portland Bill	11·3	-8	W	3	c	48	92	46	7	5	–	–	10	10	2500	1	4	48	46	*	1	–	*
Plymouth	14·9	-2	NW'N	4	d_0d_0	50	97	49	6	6	1	–	9+	10	1500	1	3	52	[illegible]	43	–	2	0·0 46
The Lizard	16·0	-2	NW	6	o	40	97	39	7	5	–	–	10	10	1500	0	5	50	48	[illegible]	–	–	1·1
Scilly (St. Mary's)	17·8	+2	NW'N	5	c	49	97	48	6	5	–	–	10	10	500	1	5	52	49	*	Tr	=	1·4
Guernsey																							
Pembroke	14·4	+10	NW'N	5	cq	49	97	48	7	8	1	–	7-8	9+	2500	1	3	50	45	*	Tr	Tr	0·0
Holyhead	13·4	+22	NNW	4	c	45	85	41	7	5	3	–	2-3	9+	3000	2		49	44	41	2	5	*
Chester (Sealand)	13·3	+34	NNW	2	oF+	39	97	38	1	–	2	–	10	10	200	1	*	33	33	32	9	6	0·0
Manchester	13·0	+24	NNW	3	of–	33	97	32	3	–	2	–	10	10	1500	6	*	33	31		3	4	*
Spurn Head	14·8	+10	SE	5	S_0S_0	32	97	31	6	5	2	–	4-6	10	2500	7	4	34	32	*	Tr	1	0·0
Catterick	15·5	+30	SE	2	iS_0	31	97	30	4	–	2	–	10	10	700	8	*	30	28	28	2	*	0·0
Tynemouth	15·2	+28	SE	5	o/S	34	97	33	6	–	2	–	10	10	1500	8		31	29	28	0·5	2	*
St. Abbs Head	15·0	+34	SE	4	o*	32	97	31	4	5	–	–	10	10	1500	7		31	32	*	1	5	*
Leuchars	15·5	+34	SE	3	z_0	34	92	32	5	5	7	–	7-8	9+	1800	6	*	34	32	32	2	3	0·0
Renfrew (Abbots I.)	15·1	+30	–	0	cF+	29	97	28	1	5	–	–	9	9	2000	8	*	34	28	28	3	2	0·0
Eskdalemuir	14·8	+20	NE'E	2	of+	32	97	31	3	5	–	–	10	10	<150	9	*	31	29	31	11	5	0·0
Point of Ayre	14·0	+30	NNE	3	z_0	41	92	39	6	5	4	–	1	7-8	2000	1		39	38	*	5	5	0·0
Tiree	12·8	+8	NW	2	d_0d_0	45	97	44	7	5	–	–	10	10	1800	0	3	48	44	*	3	0·2	0·0
Stornoway	12·5	+10	–	0	c	37	97	36	7	5	7	–	7-8	9+	2000	1	1	44	37	*	4	Tr	0·0
Dalwhinnie	15·9	+24	S	3	o	32	85	29	5	5	–	–	10	10	1500	8	*	32	30	30	2	0·6	0·0
Aberdeen	17·5	+26	SE'S	4	rS	35	85	32	6	6	2	–	7-8	10	1200	6		35	33	32	5	3	0·0
Wick	15·7	+26	S'E	6	c	37	85	32	7	5	–	–	10	10	1800	1	*	37	34	33	0·3	4	*
Sumburgh	19·2	+18	S'E	5	o/rS	37	75	31	7	6	–	–	10	10	1000	4	4	40	34	33	2	1	0·0
Blacksod Point	17·4	0	WNW	3	o/d	49	97	48	7	5	–	–	10	10	800	1	3	51	39	*	0·2	1	*
Malin Head	14·5	+10	N	2	c	47	85	43	8	5	–	–	9	9	5700	1	3	50	44		1	1	0·0
Aldergrove	15·4	+18	WNW	1	c	42	92	40	8	5	3	–	7-8	9	2500	1	*	48	41	39	0·2	1	0·0
Birr Castle	16·3	+6	WSW	2	c	49	92	47	7	5	–	–	9	9	2500	1	*	51	47	46	–	0·5	·0
Valentia Obsy.	20·5	+2	NNW	3	o/d	50	97	49	6	5	–	–	10	10	450	1	3	51	49	48	0·6	0·1	0·0
Roches Point	17·5	0	NNW	5	c	50	92	48	8	5	7	–	7-8	9	2500	1	*	52	*	*	0·1	0·2	0·0

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 1st February C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 2nd February C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
109	52	61646	14668	5-	68638	47668	52	21635	46668	52	22646	46658
115	51	26945	18288	52	81844	24486	87	88844	22387	51	02844	20387
203	5-	02838	16568	6-	64828	16468	51	02945	24327	5-	02848	12828
206	02	71759	00068	52	61655	16178	5-	22647	00067	5-	03648	00028
210	02	68648	13478	02	69648	13478	02	68548	12368	57	05646	14478
220	52	63625	23268	52	03426	27428						
230	02	68548	00078	02	52548	00058	53	01842	28255	53	01763	00014
245	6-	74538	16578	62	68534	16478	62	68535	14278	6-	64538	49388
260	02	71348	01278	--	77209	31279						
278	02	62528	09268	02	57318	12258	86	02865	29457	53	02744	30327
279	--	72309	04179	--	67309	00079	--	67209	04169	5-	08438	06228
285												
288	62	71635	14278	02	72448	16278						
575	62	51636	30458	62	52506	28458	02	21628	28458			
301	02	72328	12478	--	77309	12379	--	57309	14379	--	46109	32149
321	02	72648	14478	02	71548	00078						
299	52	71644	16579	50	72648	14578	50	72648	16678	5-	23547	12677
292	02	92548	12378	02	72548	12278	02	72838	11578	02	72438	11378
310												
614	52	71444	12278	02	77338	10178	02	74338	14278	02	51338	06278

III	13h. G.M.T. 1st February C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 2nd February C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
333	52	52624	26458	5-	02748	26458	5-	61748	11960	53	01853	28565
334										•-	02646	18117
340	5-	61548	12378	5-	67348	12268	--	67109	14269			
136				5-	72678	10278	5-	72438	14378			
336										57	22655	32467
350				02	72538	15378	02	72428	14378			
368	52	51745	23358	52	21646	26458				5-	51636	23457
379	--	57209	14179	--	57109	00069				--	57309	30569
390	02	77348	12278	02	72348	12278	02	77338	14278	02	77328	14378
382	02	68538	14368	02	81438	13178	02	67348	14268	02	21448	31268
438	02	68528	16578									
430	02	68648	10278	02	62438	08279				02	67328	32268
409	52	02735	27427	54	02626	28427	57	05636	27568	8-	51628	28568

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

§ Sea disturbance reported from Dungeness.

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

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	SSSff	Sf_0S_0ff	$f_0S_0S_0f_0Sf$
Croydon	oMSS	$cM_0S_0S_0$	$iS_0S_0S_0d_0f_0$
Greenwich	SS	$SSiS_0$	iS_0SSc
Camden Square	o	o	*
Kensington	oS	oS_0	*
Hampstead	oef	ofd	ofd

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

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	34	33	31	7	7	0·0	*	*
Croydon	34	33	32	3	4	0·0	*	*
Greenwich	34	31	32	4·6	6·0	0·0	82	95
Westminster	35	30	29	9·1		*	89	95
Regents Park	34	32	31	8·6	0·5	*	95	95
Camden Square	34	33	27	2·0	9·7	*	*	94
Kensington	34	33	31	2·8	9·5	*	96	91
Hampstead	33	30	28	4·8	6·3	*	*	99

Page 1 BRITISH SECTION

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

SECRET

Tuesday 3rd February 1942

No. 29293

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)	18.4	+34	E'N	2	o/d	32	85	29	5	5	-	-	10	10	2500
	Croydon	17.9	+38	E'S	3	o/d	30	97	29	6	6	-	-	10	10	1200
	S. Farnborough	17.7	+42	E'N	3	o/d	32	97	31	5	5	-	-	10	10	800
	Boscombe Down	17.2	+30	NNE	3	m	34	97	34	4	5	-	-	10	10	200
	Thorney Island	16.1	+38	ENE	3	dodo	34	97	34	6	5	-	-	10	10	800
	Lympne	18.5	+22	ESE	3	zo	31	85	28	6	6	-	-	10	10	1100
	Manston	18.5	+22	E'S	2	zo	30	75	25	6	5	3	-	7-8	9+	3000
2	Shoeburyness	18.6	+20	ESE	4	c	32	92	30	6	5	3	-	4-6	9+	4000
	Felixstowe	19.4	+22	E	4	c	31	75	24	7	5	2	-	9+	10	2500
	Gorleston	20.1	+24	ESE	4	zo	29	85	24	6	5	-	-	10	10	1400
	Mildenhall	19.8	+30	S'E	4	o/s	32	85	29	6	5	-	-	10	10	1500
	Cranwell	20.3	+30	E'S	4	zo	30	97	29	6	-	2	-	10	10	1200
3	Birmingham	18.7	+30	E	3	zo	31	97	30	4	5	-	-	10	10	800
	Upper Heyford	18.0	34	E	3	zo	31	97	31	6	-	2	-	10	10	800
4	Ross-on-Wye	17.8	+24	NE	2	m	36	85	33	4	5	,	-	10	10	800
	Hartland Point	17.8	+14	N	3	c	46	85	43	8	5	3	-	4-6	7-8	3000
	Bristol	17.4	+26	N'E	4	cf+	38	92	36	3	7	3	-	7-8	9+	800
	Portland Bill	16.1	+24	N	4	o	47	85	43	8	3	7	-	9	10	1500
	Plymouth	17.5	+18	N	4	c	50	75	44	8	5	-	-	7-8	7-8	2000
	The Lizard	18.1	+10	NW	5	c/pr	51	92	49	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	19.6	+6	N	4	c	51	92	49	8	8	6	-	4-6	7-8	1700
	Guernsey															
6	Pembroke	18.6	+14	N'W	4	c	48	75	40	8	8	-	-	9	9	3000
7	Holyhead	17.2	+14	NE	4	m	42	92	39	4	8	3	-	9	10	1800
	Chester (Sealand)	19.0	+22	SE'E	3	zo	36	85	32	5	5	2	-	4-6	10	800
8	Manchester	19.2	+22	SE'E	3	zo	34	85	30	6	5	-	-	10	10	2000
10	Spurn Head	20.3	+16	SE	4	c	33	92	27	7	8	2	-	4-6	10	2500
	Catterick	20.7	+14	SE	2	of+	33	97	32	3	-	2	-	10	10	600
	Tynemouth	21.9	+26	SE	5	o/rs	35	85	29	6	-	2	-	10	10	1400
11	St. Abbs Head	19.0	+8	SE	6	roro	34	92	31	7	6	2	-	7-8	10	1000
	Leuchars	19.6	+12	SSE	3	iro	34	92	32	6	5	-	-	10	10	1500
12	Renfrew (Abbots I.)	18.7	+8	ENE	2	rs	34	97	33	3	5	-	-	10	10	400
	Eskdalemuir	19.7	+6	SE	3	o	32	85	29	6	5	-	-	10	10	800
	Point of Ayre	18.1	+14	SSE	4	c	38	92	35	7	5	1	-	9	10	2000
13A	Tiree	13.8	+4	S	1	roro	43	97	43	7	-	2	-	10	10	1500
13B	Stornoway	12.2	-8	S	5	pr	44	97	44	7	8	7	-	7-8	10	1000
15	Dalwhinnie	17.8	+2	SSW	4	iSo	31	92	29	4	5	-	-	10	10	1500
	Aberdeen	20.7	+12	SSE	4	SoSo	36	75	27	6	6	2	-	7-8	10	1200
	Wick	17.8	0	S'E	6	c	38	85	33	6	5	-	-	4-6	10	900
16	Sumburgh	21.3	+2	SSE	5	o/s	35	85	31	7	5	-	-	10	10	1500
17	Blacksod Point	16.7	-6	W	1	DD	50	97	49	5	6	-	-	10	10	220
18	Malin Head	14.0	-16	-	0	roro	45	97	44	5	3	-	-	9+	9+	450
	Aldergrove	17.2	0	-	0	rr	43	97	42	6	-	2	-	10	10	1500
19	Birr Castle	17.4	0	SW	1	ido	50	92	48	7	5	-	-	10	10	2500
20	Valentia Obsy.	21.0	-2	W'S	3	zo	48	97	47	6	5	-	-	10	10	220
	Roches Point	19.2	0	NNW	2	c	51	92	49	8	5	-	-	9+	9+	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)	°F 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)
London (Kew)	22.6	+22	E'N	3	zo	32	75	25	5	5	-	-	10	10	2500	7	*
Croydon	21.9	+18	E	1	m	29	85	26	4	5	-	-	10	10	2000	8	*
S. Farnborough	22.4	+26	E	2	zo	30	85	26	6	-	3	-	0	10	-	8	*
Boscombe Down	21.9	+26	ESE	3	m	31	92	30	4	5	-	-	10	10	600	4	*
Thorney Island	21.7	+30	E'N	3	zo	33	92	30	6	5	2	-	9	10	800	1	*
Lympne	22.3	+24	NE'N	2	zo	29	85	24	6	5	-	-	10	10	1200	8	§4
Manston	22.3	+20	ENE	3	zo	28	75	20	5	5	-	-	10	10	2000	8	*
Shoeburyness	22.5	+22	ENE	3	o	30	92	28	6	5	-	-	10	10	800	8	*
Felixstowe	22.9	+22	ENE	3	zo	29	65	20	6	5	-	-	10	10	2300	8	3
Gorleston	23.5	+22	SE'S	3	zo	30	92	27	6	5	-	-	10	10	2500		4
Mildenhall	23.3	+18	E	2	zo	24	85	20	6	5	-	-	9+	9+	2500	8	*
Cranwell	23.3	+18	SE	3	zo	27	97	26	6	5	-	-	10	10	2500	8	*
Birmingham	21.9	+14	NE	3	zo	31	92	29	5	6	-	-	10	10	800	8	*
Upper Heyford	21.7	+18	E'N	2	zo	30	85	27	5	5	-	-	10	10	800	8	*
Ross-on-Wye	21.0	+14	E'S	2	zo	33	92	31	5	5	-	-	10	10	800	1	*
Hartland Point	19.2	+6	S	1	c	45	85	40	8	5	-	-	9+	9+	2500	1	4
Bristol	21.3	+12	NE	2	of+	34	97	33	3	5	-	-	10	10	1000	1	*
Portland Bill	20.0	+22	E	4	o	37	92	34	7	5	-	-	10	10	2500	1	4
Plymouth	20.0	+22	N'E	1	zo	46	92	44	5	5	7	-	Tr	10	3000	0	3
The Lizard	20.3	+8	NNE	2	c	47	92	45	8	5	2	-	7-8	9+	1500	1	3
Scilly (St. Mary's)	20.4	+6	NW	2	c	50	97	49	8	8	-	-	9+	9+	1200	1	3
Guernsey																	
Pembroke	19.2	+4	SE'S	2	roro	47	92	45	7	5	-	-	10	10	2500	1	3
Holyhead	17.4	0	-	0	dodo	41	92	40	4	5	-	-	10	10	500	1	2
Chester (Sealand)	20.7	+8	ESE	3	iSo	34	92	31	4	5	3	-	7-8	10	1000	1	*
Manchester	21.6	+10	SE	3	iSo	31	92	29	4	5	-	-	10	10	2000	8	*
Spurn Head	22.8	+6	SE	3	bc	32	97	32	6	5	-	-	2-3	2-3	4000	7	3
Catterick	22.4	+8	SE'S	3	of+	31	92	29	3	-	2	-	10	10	800	8	*
Tynemouth	22.0	+8	S	5	o	33	85	29	6	-	2	-	10	10	1500	8	4
St. Abbs Head	19.2	-4	SSE	6	c	33	85	30	7	5	2	-	9	10	800	7	4
Leuchars	19.6	-2	SE	5	sh	33	97	32	5	5	-	-	10	10	800	6	*
Renfrew (Abbots I.)	17.9	-6	ESE	3	rs	34	92	32	4	5	-	-	10	10	600	7	*
Eskdalemuir	19.9	0	SE	3	rs	30	92	29	5	-	2	-	10	10	300	3	*
Point of Ayre	17.6	-4	SSE	6	dodo	37	97	36	6	6	2	-	7-8	10	1000	1	4
Tiree	11.0	-14	S'W	6	rr	39	97	39	7	-	2	-	10	10	1500	1	6
Stornoway	09.8	-12	SSE	7	rr	40	97	40	7	8	7	-	7-8	10	1000	1	-4
Dalwhinnie	16.2	-6	SSE	5	iSo	30	92	30	5	-	-	-	10	10	<150	8	*
Aberdeen	20.2	-10	SSE	4	iSo	36	75	27	5	6	2	-	7-8	10	1200	6	4
Wick	16.9	-6	SSE	7	sh	35	85	31	6	-	2	-	10	10	800	4	*
Sumburgh	20.3	-6	SSE	5	c/rs	36	85	31	7	5	7	-	9+	10	1500	4	5
Blacksod Point	15.9	-4	W	4	dodo	49	97	48	6	6	-	-	10	10	800	1	3
Malin Head	11.5	-14	NW	4	rr	47	97	46	5	3	-	-	9+	9+	450	1	3
Aldergrove	15.2	-16	SE'S	4	rr	40	97	39	5	5	2	-	7-8	10	300	2	*
Birr Castle	16.2	0	SW	2	o/d	50	97	49	7	5	-	-	10	10	2500	1	*
Valentia Obsy.	20.4	-2	W	3	o	49	97	48	7	5	-	-	10	10	1500	1	3
Roches Point	18.6	0	NNW	3	c	51	92	49	8	5	-	5	7-8	9	1500	1	*

PAST 24 HOURS.

Stations	Weather 7h.—13h. 2nd (39)	Weather 13h.—18h. 2nd (40)	Weather 18h. 2nd to 1h. 3rd (41)	Weather 1h.—7h. 3rd (42)
London (Kew)	dodofcmo	cbccz o	czo	SoSo
Croydon	cmdodo	cmo	cmcmo	cmoSoSo
S. Farnborough	cdodofmo	cmoocbc	cmo	cmoSoSom
Boscombe Down	prf	omo	cmoSoSmo	PSodof
Thorney Island	ocrofdodo	odocmo	cmoomo	SoSorSo
Lympne	SoSoomo	doomo	omom	omSoSo
Manston	SSsssh	bccisomo	czomo	cmoiSo
Shoeburyness	oiSomoc	cmo	omo	omoSoSo
Felixstowe	SoSoiSoc	oiSoomo	omo	omoSS
Gorleston	cqx	c	cmo	cmoiSo
Mildenhall	omoSoSoomo	omocmo	cmo	cmiSoSS
Cranwell	ofSoSocmo	cmo	cbccmo	omfSS
Birmingham	froom	om	oiSo	oSSrof
Upper Heyford	ofom	omocmo	cSoSof	SoSodocof
Ross-on-Wye	bcom	pm	omru	omo
Hartland Point	ciroc	c	irododel	ciro
Bristol	cdodomf	cmomf	osf	ofmdodo
Portland Bill	o	o	orr	oro
Plymouth	cdodomo	bcc	rorododom	cdodomo
The Lizard	cproc	roroc	odmof	c
Scilly (St. Mary's)	cdodoc	c	coife	ofcidod
Guernsey				
Pembroke	c	croro	oiredmo	irc
Holyhead	c	cdodom	ododom	crodom
Chester (Sealand)	offm	ocmo	cmSofrSr	cmrr
Manchester	cf	cmo	SoSom	ffrr
Spurn Head	oc	cbc	oc	oSS
Catterick	pfdomf	fomcf	ofSSoSo	ofSoSo
Tynemouth	ocros	o	oSoSomo	oSSmS
St. Abbs Head	mocroro	rocs	cmrSSo	omSS
Leuchars	omoiromo	iroidshmo	oSoSomf	oSoSof
Renfrew (Abbots I.)	fdoroSo	SoSoroSoroSo	roSoSoSof	
Eskdalemuir	oSomo	OSoSo	oSoSo	oSoroSo
Point of Ayre	czo	crocdocdo	dororo	rrroro
Tiree	prr	orr	orr	
Stornoway	cpr	crr	crr	
Dalwhinnie	oiSo	oiSo		
Aberdeen	cSoSoZo	ciSoZo	cSoSoZo	cSoSoZo
Wick	omo	cmododosh	roSoSoSom	SoSoSSff
Sumburgh	ciSoc	ishiroSo	cshororoSo	omoroSo
Blacksod Point	d	od	dD	odd
Malin Head	r	cr	df	d
Aldergrove	crorrmo	orrmo	rrdrmdod	rrdodcdo
Birr Castle	d	od	*	d
Valentia Obsy.	d	od	dodoc	d
Roches Point	bc	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 3rd Feb. 1942.

DISTRICTS.	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate S.E. wind, fresh on coasts; dull; some snow, turning to rain or sleet in the west, with glazed frost; local fog; continuing cold, but a slight thaw temporarily in west of area.
5 S.W. England; 6 South Wales	Moderate or fresh N.W. wind; dull; occasional rain; average temperature or rather mild.
7 North Wales; 8 N.W. England	Variable winds; dull; rain or sleet; glazed frost locally; temporarily milder, then cold again.
9 N. Midlands; 10 N.E. England ♆; 11 S.E. Scotland ♆	Moderate or fresh S.E. winds, strong to gale on coasts, decreasing later; dull; snow or sleet; glazed frost locally; cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Variable winds finally E. moderate; dull; rain or sleet; snow locally; temporarily milder then cold again.
14 Mid Scotland; 15 N.E. Scotland ♆	As 9-11.
16 Orkneys and Shetlands ♆	As 9-11.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh N.W. wind, strong locally on coasts; dull; occasional rain; rather mild.

GENERAL INFERENCE

A depression over N.W. Scotland is moving slowly S.E. and filling up. A trough of low pressure from N.W. Scotland to Dorsetshire is moving slowly E, but will become very elongated and almost stationery over our eastern districts. It will continue cold with futther snow in the extreme east but slow thaw conditions with occasional rain or drizzle will extend to the Midlands and the London area. In the West it will be cloudy and mild with occasional rain or drizzle.

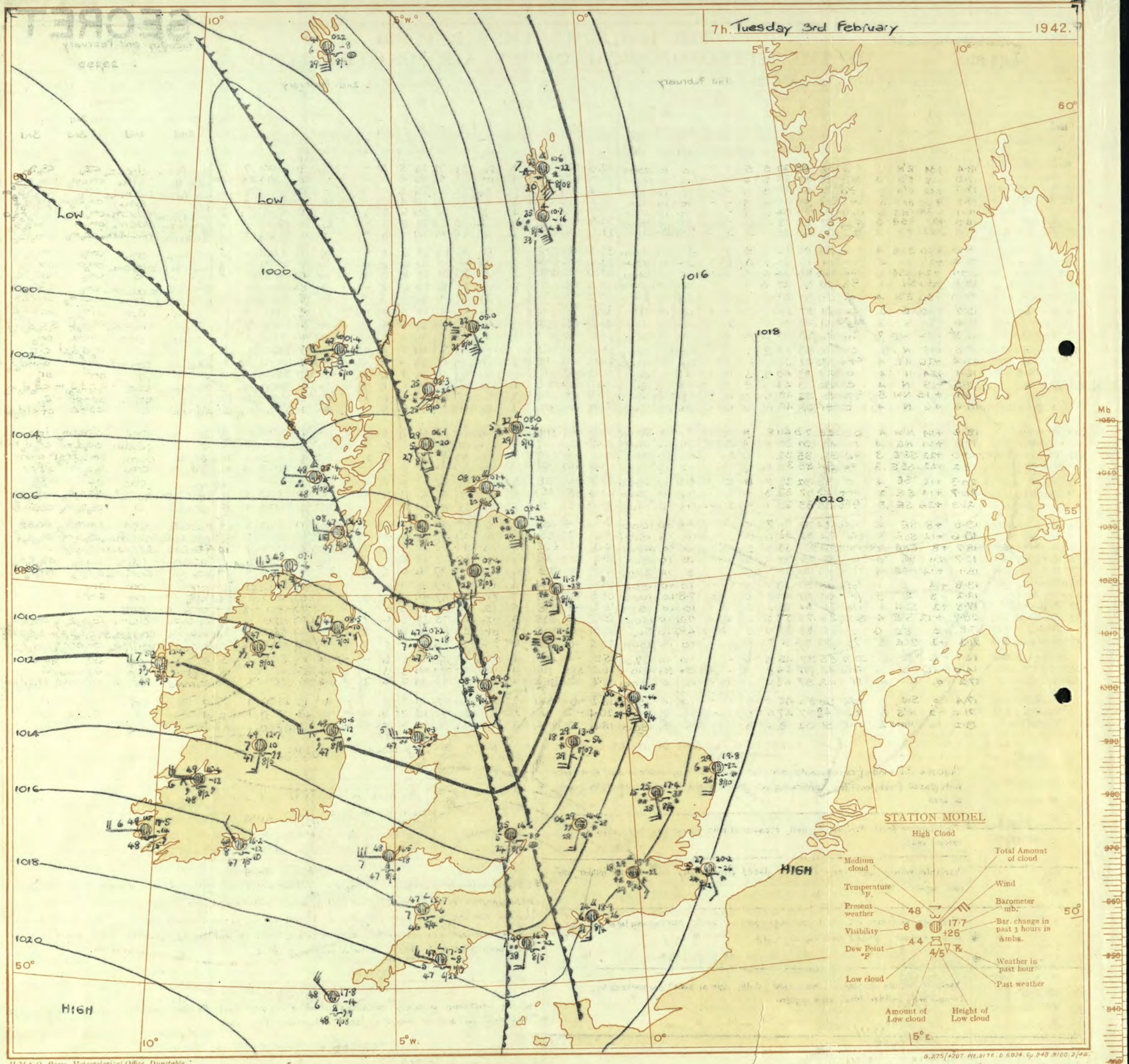
FURTHER OUTLOOK

Wintry conditions probably continuing in the North and East. ♆ Gale warning issued 1200 on 2/2 in district 16 and at 0050 on 3/2 in districts 10, 11, 15

Forecasts issued at 1030 G.M.T.

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

7h. Tuesday 3rd February 1942.



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

6,275/4207 Wt.8176. D.6034. Gp.948 9/00.2/42.

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).

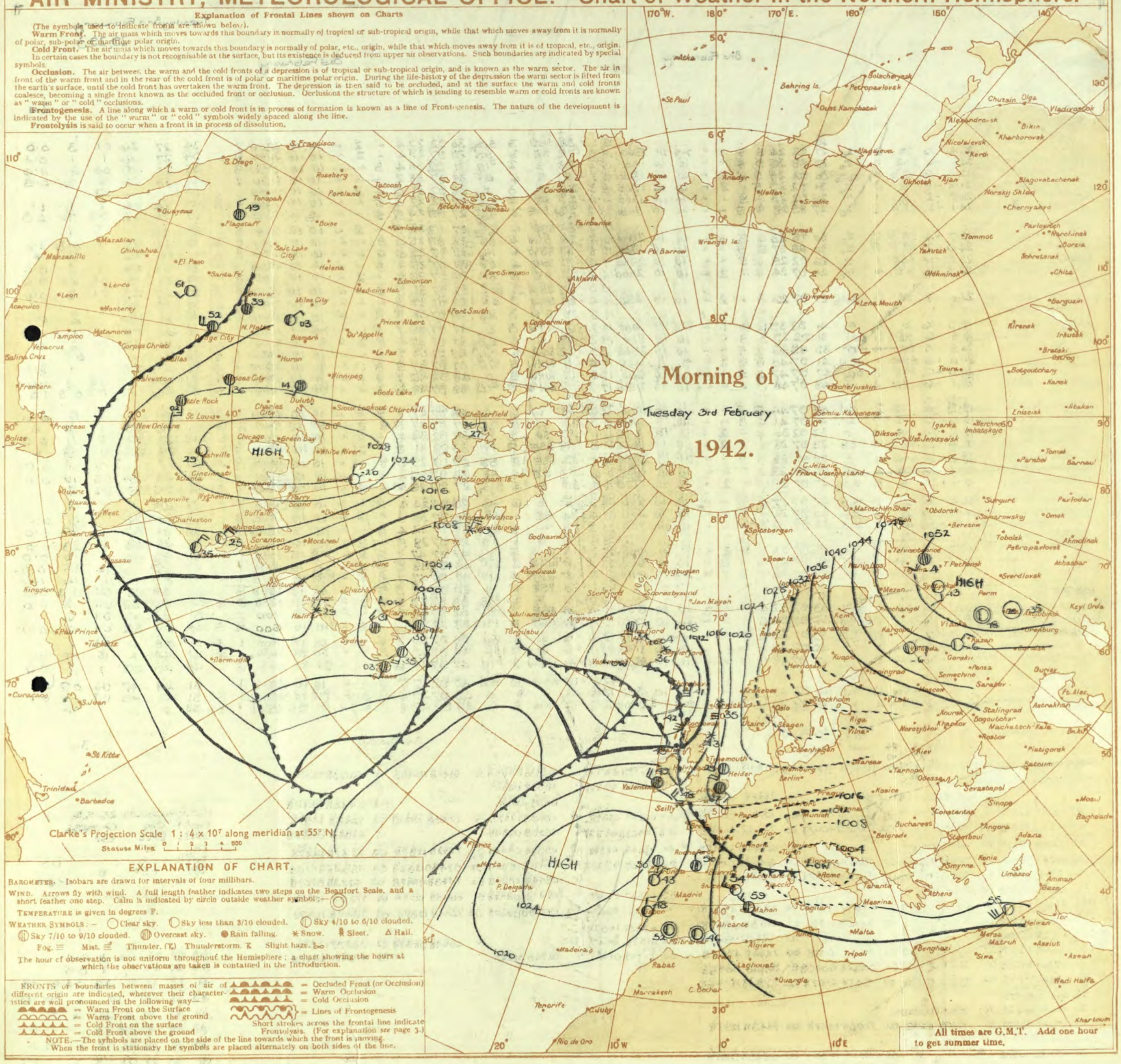
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 of 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 3rd February 1942
No. 29,293

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*
	Croydon	217	23·4	-6	SE	2	z₀	27	92	24	5	5	-	-	7-8	9+	2500
	S. Farnborough	226	24·5	-14	ESE	1	z₀	29	85	26	5	5	-	-	10	10	1800
	Boscombe Down	417	22·4	-8	SE'S	4	S₀S₀	30	92	28	5	5	-	-	10	10	1500
	Thorney Island	10	21·8	-18	E	3	z₀	31	92	29	5	-	2	-	10	10	1900
	Lympne	346	23·7	-2	E	1	m	26	92	23	4	5	-	-	10	10	1200
	Manston	154	24·1	+2	SE'E	2	z₀	27	85	25	5	5	-	-	10	10	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	23·7	-4	SE'S	3	z₀	30	75	23	6	5	-	-	10	10	2500
	Gorleston	5	24·0	-2	SE'S	5	z₀	30	85	27	6	5	-	-	10	10	1500
	Mildenhall	19	23·5	-10	SSE	1	z₀	26	92	25	6	5	-	-	10	10	2500
	Cranwell	240	22·5	-14	S'E	4	is₀	24	97	24	4	-	2	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·0	-8	SE	3	S₀S₀	27	97	26	3	-	2	-	10	10	450
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·9	-16	S	4	c	41	92	39	6	5	1	-	7-8	9+	1500
	Bristol	20 [illegible]	20·8	-6	SE	3	osf	31	92	29	3	5	-	-	10	10	800
	Portland Bill	32	20·8	-10	SE	4	rr	39	85	36	7	5	-	-	10	10	2500
	Plymouth	82	21·0	-6	ESE	1	d₀d₀	41	97	40	5	6	2	-	9	10	1000
	The Lizard	240	20·0	-12	SSE	3	odf	47	97	47	3	5	-	-	10	10	600
	Scilly (St.Mary's)	163	20·1	-6	NW	4	if	48	97	48	3	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	17·9	-4	NE	2	dd	45	97	44	5	5	-	-	10	10	1500
7	Holyhead	26	13·6	-22	S	7	dr	41	97	41	4	5	-	-	10	10	400
	Chester (Sealand)	16	17·1	-24	SE	5	ir	32	92	30	4	-	2	-	10	10	800
8	Manchester	235	18·8	-26	SE'S	5	SS	28	97	28	4	-	2	-	10	10	1500
10	Spurn Head	29	22·4	-10	SSW	4	c	29	97	28	6	8	-	-	9+	10	4000
	Catterick	175	19·4	-22	SSE	4	sf	25	97	25	2	-	-	-	10	10	<150
	Tynemouth	108	19·2	-24	S	5	S₀S₀	27	97	25	5	-	2	-	10	10	1500
11	St. Abbs Head	280	14·2	-36	S	6	S₀S₀	27	97	27	4	5	-	-	10	10	800
	Leuchars	36	14·6	-30	SE	3	osf	30	97	30	3	5	-	-	10	10	400
12	Renfrew (Abbots I.)	19	11·9	-38	E	2	S₀S₀	33	97	33	3	5	-	-	10	10	700
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·3	-36	S	7	r₀r₀	38	97	38	7	6	2	-	9	10	1000
13A	Tiree	22	06·2	-6	WSW	2	r₀r₀	47	97	47	6	-	2	-	10	10	800
13B	Stornoway	80	03·6	-32	SSW	7	rr	42	97	42	7	8	7	-	7-8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Wick	119	10·1	-38	SSE	8	S₀S₀	33	97	32	4	5	-	-	10	10	500
16	Sumburgh	30	15·6	-24	S'E	7	rs	34	97	34	6	-	2	-	10	10	700
17	Blacksod Point	18	13·7	-12	W	5	DD	50	97	49	6	6	-	-	10	10	800
18	Malin Head	84	08·0	-16	W	3	df	49	92	47	2	-	-	-	10	10	<150
	Aldergrove	268	10·7	-30	WSW	3	r₀r₀	47	97	45	5	6	-	-	10	10	600
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·3	-6	WNW	3	o/d	49	92	47	7	5	-	-	10	10	1500
	Roches Point	22	18·1	-6	NW'W	2	c	48	92	47	8	5	-	-	7-8	7-8	2500

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)	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)	18·1	-32	SSE	3	S₀S₀	30	92	29	4	-	2	-	10	10	2500	7	*
Croydon	18·8	-22	SE	3	SS	29	97	29	4	-	2	-	10	10	2000	8	*
S. Farnborough	18·2	-28	S	2	o/S	31	92	30	4	5	-	-	10	10	800	8	*
Boscombe Down	18·7	-18	S	4	df	33	97	33	2	-	-	-	10	10	<150	7	*
Thorney Island	18·9	-26	S	3	z₀	34	92	31	6	-	2	-	10	10	1500		*
Lympne	21·0	-26	SE	2	S₀S₀	29	92	27	4	5	-	-	10	10	1500	8	§3
Manston	20·2	-26	SSE	2	is₀	27	85	24	5	5	-	-	10	10	1200	8	*
Shoeburyness	19·6	-34	SSE	4	S₀S₀	27	92	25	5	-	2	-	10	10	800	8	*
Felixstowe	19·8	-24	S'W	4	SS	28	85	25	4	5	-	-	10	10	1200	8	3
Gorleston	19·8	-32	SSW	4	is₀	29	85	26	6	6	-	-	10	10	1000	8	4
Mildenhall	17·4	-38	SSE	4	SS	25	97	25	4	5	-	-	10	10	1500	8	*
Cranwell	14·4	-46	S'E	5	sh	26	97	26	4	-	2	-	10	10	800	9	*
Birmingham	13·9	-36	SSW	3	orf	32	97	31	3	6	-	-	10	10	800	8	*
Upper Heyford	16·4	-28	SSW	3	df	29	97	29	3	-	-	-	10	10	<150	8	*
Ross-on-Wye	14·6	-30	S'W	3	z₀	35	97	34	5	5	-	-	10	10	600	4	*
Hartland Point	15·7	-6	WNW	3	c	47	97	46	7	5	1	-	7-8	9+	1500	1	3
Bristol	15·3	-32	S	4	d₀d₀	37	97	36	4	5	2	-	9	10	600	1	*
Portland Bill	16·9	-22	SSW	4	r₀r₀	40	92	38	7	5	-	-	10	10	2500	1	4
Plymouth	17·5	-8	WNW	3	c/d	47	97	47	5	5	1	-	9	10	2500	1	3
The Lizard	17·6	-10	WNW	5	c	48	92	46	7	8	1	-	9	10	1500	1	4
Scilly (St.Mary's)	17·8	-14	NW'W	5	c/d	48	97	48	6	8	-	-	9+	9+	800	1	4
Guernsey																	
Pembroke	14·5	-19	W	6	c	48	97	47	7	8	-	-	10	10	2500	1	3
Holyhead	10·3	-14	W	5	r₀r₀	47	97	47	5	6	2	-	9+	10	900	2	4
Chester (Sealand)	10·1	-30	SE	3	rr	35	92	34	4	-	2	-	10	10	800	4	*
Manchester	10·6	-38	SSE	5	rr	33	92	31	5	-	2	-	10	10	1500	7	*
Spurn Head	14·8	-44	SSE	5	SS	29	97	29	3	8	-	-	10	10	1500	8	4
Catterick	11·6	-32	S'E	4	sf	26	97	26	2	-	-	-	10	10	<150	8	*
Tynemouth	11·5	-28	S	4	S₀S₀	27	92	25	4	-	2	-	10	10	1500	8	4
St. Abbs Head	08·2	-22	S	6	SS	25	97	24	4	5	-	-	10	10	800	7	4
Leuchars	07·4	-34	SE	1	osf	30	97	30	3	-	2	-	10	10	500	8	*
Renfrew (Abbots I.)	07·2	-22	—	0	d₀d₀	32	97	32	4	5	-	-	10	10	1200	8	*
Eskdalemuir	08·4	-38	S	1	rs	29	97	28	5	-	2	-	10	10	300	9	*
Point of Ayre	07·2	-18	W'N	5	r₀r₀	47	97	47	7	6	2	-	7-8	10	1000	1	4
Tiree	05·4	-4	WNW	2	rr	48	97	48	6	-	2	-	10	10	800	1	
Stornoway	01·4	-4	WSW	4	rr	47	97	47	7	8	7	-	7-8	10	1000	1	
Dalwhinnie	06·1	-20	SSE	4	o	29	92	27	5	5	-	-	10	10	1500	8	*
Aberdeen	08·0	-26	S	4	S₀S₀	32	85	29	5	6	2	-	7-8	10	1200	9	4
Wick	05·0	-24	SSE	7	osf	32	97	31	2	5	-	-	10	10	100	7	*
Sumburgh	10·7	-16	SSE	8	rs	35	92	33	6	-	2	-	10	10	600	4	5
Blacksod Point	12·4	-6	W	4	dd	50	97	50	7	6	-	-	10	10	800	1	4
Malin Head	07·1	-6	W	5	cdf	48	97	47	3	3	-	-	9+	9+	450	1	4
Aldergrove	08·5	-10	WSW	3	c/d	47	97	47	6	5	-	-	9+	9+	100	2	*
Birr Castle	12·7	-10	SSW	3	o/d	49	92	47	7	5	-	-	10	10	2500	1	*
Valentia Obsy.	17·5	-14	W	4	c	49	97	49	6	5	3	-	7-8	10	2500	1	3
Roches Point	16·2	-12	NW	2	c	48	97	47	8	5	-	-	9+	9+	2500	1	*

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)	Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
London (Kew)	34	27	26	0·2	3	0·0
Croydon	34	27	26	1	1	0·4
S. Farnborough	35	27	25	0·3	2	0·0
Boscombe Down	41	29	28	Tr	2	0·5
Thorney Island	39			0·3		*
Lympne	31	24	24	1	Tr	1·1
Manston	31	24	22	0·2	Tr	0·9
Shoeburyness	32	26		Tr	1	
Felixstowe	32	28	27	1	0·3	0·0
Gorleston		28	26		Tr	*
Mildenhall	33	24	24	1	3	0·0
Cranwell	31	21	18	0·1	20	0·0
Birmingham	34	27	27	0·1	6	0·0
Upper Heyford	34	25	26	-		*
Ross-on-Wye	45	31	30	-	2	0·0
Hartland Point	48	40	39	0·1	1	[illegible]
Bristol	48	31	33	06	2	0·1
Portland Bill	48	36	*	-	0·5	*
Plymouth	51	~~47~~	39	-	1	3·8
The Lizard	52	45	*	0·5	3	1·6
Scilly (St.Mary's)	52	46	*	0·2	0·3	1·0
Guernsey						
Pembroke	50	41	*	*	6	0·0
Holyhead	46	40	39	1	5	*
Chester (Sealand)	39	32	32	Tr	11	0·0
Manchester	35	28	24	0·3	5	*
Spurn Head	34	27	*	Tr	2	0·0
Catterick	33	24	24	0·3	10	0·0
Tynemouth	36	26	25	0·2	2	*
St. Abbs Head	34	25	*	1	1	
Leuchars	35	30	30	1	6	0·0
Renfrew (Abbots I.)	35	31	32	1	20	0·0
Eskdalemuir	33	26	23	1	23	0·0
Point of Ayre	41	36	*	1	10	0·0
Tiree	45	39	*	14	13	0·0
Stornoway	44	39	*	6	10	0·0
Dalwhinnie	33	28	28	0·5	0·4	0·0
Aberdeen	36	30	32	0·1	5	0·0
Wick	38	32	*	0·1	6	*
Sumburgh	37	33	32	0·1	4	0·0
Blacksod Point	51	48	*	0·3	1	*
Malin Head	47	44	*	15	17	0·0
Aldergrove	44	39	39	7	11	0·0
Birr Castle	51	48	47	0·6	0·2	[illegible]
Valentia Obsy.	51	48	45	0·2	0·2	0·0
Roches Point	53	*	*	-	Tr	*

40

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$ (13h. G.M.T. 2nd February)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 3rd February)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109 52	14746	46628	6-	68538	46728	02	71428	47868	02	72428	47778
115 57	02844	14427	57	62635	14468						
203			6-	64838	16468				6-	22728	20568
206 52	02855	20328	5-	68648	14478	5-	72538	18278	5-	68648	00078
210 57	02765	45528	02	51778	46628	02	72538	46678	02	72528	45568
220 52	22745	15368	62	66346	14668				80	25446	26386
230 02	68548	14168	02	72518	12378	52	68636	00078	02	64638	00068
245 5-	03748	14578	6-	68548	16578	02	72438	49578	6-	72438	16378
260 --	05645	22228	02	24448	10478						
278 52	62547	17368	52	64437	47478	52	58536	43568	02	52438	25378
279 5-	05644	09328	02	24538	12278	02	74438	12178	02	61538	00078
285 02	41528	12558							02	72428	08478
288 5-	05648	12278	5-	05648	14328	02	77238	16478	02	72448	49578
575 --	57309	14259	5-	52416	25458	5-	52628	60458	5-	54618	60468
301 5-	05548	10348	02	72428	12378	02	78428	47678	02	67328	47468
321 52	05658	10378									
299 5-	05648	09428	80	05648	09328						
292 02	05648	12378	5-	05658	11228	02	72338	14478	02	74438	12578
310											
614 52	08436	10358				02	72538	14378	02	68438	51478

IIIC$_L$C$_M$ (13h. G.M.T. 2nd February)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 3rd February)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
333 57	02655	32218	5-	62638	00068	5-	52428	16458	5-	62638	22558
334 --	64445	02316	--	13337	02328						
340			5-	6858	12478				02	64438	19468
136 5-	05647	08378	5-	05658	14278	5-	05658	13328	02	72438	14578
336 52	05536	04328	--	46209	08349				12	62526	04368
350 5-	05648	08358	5-	05548	08428	5-	72528	12878	02	72428	14478
368 8-	02767	92357	52	61436	08328	52	52438	12368	52	43346	26168
379			5-	08448	08328	02	74338	47478	02	62238	57678
390 52	05547	12378	5-	08448	08228	5-	08458	12228	02	77238	12378
382 5-	41538	06348	02	05590	09327	02	72448	12378	02	23438	16478
438 02	03538	10528									
430 5-	51538	06458				6-	05648	08328	52	23537	16378
409 5-	21748	31438	5-	02748	30228				52	21627	24458

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Afternoon	Night
Kew	dodofcmo	cbccz₀	czcS₀S₀
Croydon	Cmd₀d₀	Cm₀	CmCmcS₀S₀
Greenwich	cif₀S₀	cbcc	cS9
Camden Square	o	bc	*
Kensington	odbcc	o	*
Hampstead	ofd	oxS	o

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

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	34	27	26	0·2	3	0·0	*	*
Croydon	34	27	26	1	1	0·4	*	*
Greenwich	32	26	27	Tr	3·8	0·9	81	95
Westminster	33	28	28	3·7		*	78	98
Regents Park	34	27	26	*	4·1	*	75	*
Camden Square	33	28	*	0·5	3·8	*	*	89
Kensington	33	28	26	0·2	3·5	*	79	91
Hampstead	31	25	22	0·2	5·8	*	*	98

SECRET

Page 1 BRITISH SECTION

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

Wednesday 4th February 1942

No. 29,294.

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)	11.1	-40	SSW	4	d₀d	36	97	35	4	6	2	-	10	10	2500
	Croydon	12.3	-34	S'W	4	d₀d₀	37	97	36	4	-	2	-	10	10	500
	S. Farnborough	12.2	-34	S	2	r₀r₀	37	97	37	4	5	-	-	10	10	700
	Boscombe Down	12.7	-34	W	4	z₀	44	97	44	5	5	-	-	10	10	450
	Thorney Island	12.7	-36	SSW	3	e/r	42	97	41	6	5	-	-	9+	10	400
	Lympne	15.6	-10	S	3	dd	32	97	31	5	-	2	-	10	10	500
	Manston	13.1	-44	SSW	5	d₀d₀	34	85	29	5	5	-	-	10	10	800
2	Shoeburyness	12.6	-54	S'W	5	r₀r₀	33	97	33	5	-	2	-	10	10	1200
	Felixstowe	12.4	-42	SWS	5	r₀r₀	33	92	31	6	6	2	-	9+	10	600
	Gorleston	10.8	-66	SWW	5	s₀s₀	33	92	33	4	6	-	-	10	10	1000
	Mildenhall	09.8	-46	S'W	4	dd	34	97	33	4	-	2	-	10	10	600
	Cranwell	07.3	-36	SW'W	3	z₀	36	95	34	5	5	-	-	9+	9+	2000
3	Birmingham	09.2	-12	SW	3	e/d	40	97	40	5	6	-	-	10	10	800
	Upper Heyford	11.6	-26	SSW	3	rf	36	97	36	2	-	2	-	10	10	300
4	Ross-on-Wye	10.2	-20	WSW	4	e	49	85	45	8	5	-	-	9	9	2500
5	Hartland Point	13.7	-16	W	3	c	47	97	47	7	5	7	-	4-6	9+	1500
	Bristol	11.9	-22	W	4	d₀d	47	97	47	5	5	-	-	10	10	300
	Portland Bill	12.8	-24	WSW	4	c	47	92	45	8	2	4	-	4-6	10	4000
	Plymouth	15.5	-12	W	4	c	49	97	48	7	5	1	-	9+	10	2500
	The Lizard	16.5	-10	WNW	5	c	49	97	49	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	17.1	-8	NW'W	4	c	50	97	49	8	8	-	-	9+	9+	1200
	Guernsey															
6	Pembroke	13.2	-8	W'N	6	c	49	92	47	8	8	6	-	7-8	9	2500
7	Holyhead	09.0	-8	WSW	4	c	49	85	45	8	5	7	-	7-8	9+	1000
	Chester (Sealand)	07.7	-12	W'N	4	z₀	52	85	47	6	5	-	-	7-8	10	600
8	Manchester	07.9	-14	WNW	2	df	43	97	42	0	-	-	-	10	10	<150
10	Spurn Head	06.9	-40	SSW	4	ir	33	97	32	5	-	2	-	10	10	1500
	Catterick	03.0	-26	S	4	rf	31	97	31	2	6	2	-	7-8	10	500
	Tynemouth	06.3	-22	SW	5	m/p	33	92	32	4	-	2	-	10	10	1200
11	St. Abbs Head	04.7	-14	WNW	3	c	35	75	28	6	5	2	-	7-8	10	2000
	Leuchars	04.8	-10	S	1	z₀	33	75	26	6	-	7	-	0	7-8	-
12	Renfrew (Abbots I.)	05.9	-8	-	0	of	33	97	33	3	5	-	-	10	10	500
	Eskdalemuir	05.5	-12	-	0	d₀d₀	34	97	33	5	-	2	-	10	10	100
	Point of Ayre	06.6	-4	NW'W	5	c/pr	48	97	48	8	-	-	-	7-8	7-8	1000
13A	Tiree	06.0	+12	NNW	4	bc	48	92	45	8	8	-	-	4-6	4-6	2500
13B	Stornoway	02.5	+8	WNW	5	c/pr	48	97	47	7	5	7	8	7-8	9+	1000
15	Dalwhinnie	04.9	-2	N	1	c	34	97	34	7	5	7	-	4-6	9+	2500
	Aberdeen	04.7	-10	S'E	2	s₀s₀	33	97	32	4	6	2	-	7-8	10	1200
	Wick	03.4	-2	SSE	5	sh	35	97	35	5	5	-	-	10	10	400
16	Sumburgh	03.8	-2	SSE	8	rs	34	92	34	6	6	-	-	10	10	600
17	Blacksod Point	13.5	+6	WNW	4	c	49	85	45	7	8	-	-	7-8	7-8	2500
18	Malin Head	08.1	+8	WNW	4	bc	47	92	45	8	2	-	-	4-6	4-6	2500
	Aldergrove	08.2	+2	W'N	3	pr	47	85	43	8	8	-	-	9	9	2500
19	Birr Castle	12.0	0	W	2	c	52	85	48	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	17.0	-2	NW'N	4	o/d	51	92	49	6	5	-	-	10	10	450
	Roches Point	14.5	-10	NW	4	c	53	85	49	8	5	-	-	9	9	2500

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)	07.8	-16	SW'W	2	df	40	97	39	3	5	-	-	10	10	2500	6	*
Croydon	08.4	-18	W	3	id₀	43	97	43	4	-	2	-	10	10	300	6	*
S. Farnborough	08.7	-14	W'S	4	o/d	42	97	41	6	5	-	-	10	10	500	6	*
Boscombe Down	10.4	-10	WNW	4	z₀	47	65	46	6	6	-	-	9+	9+	600	1	*
Thorney Island	09.7	-16	SW'W	2	id₀	46	97	45	6	5	-	-	9+	10	1500	1	*
Lympne	09.8	-34	WNW	1	rf	37	97	37	1	-	-	-	10	10	<150	6	§ 4
Manston	07.7	-28	SW'W	3	d₀d	37	97	37	4	-	-	-	10	10	<150	6	*
Shoeburyness	08.1	-22	SW	3	rf	38	97	37	3	-	2	-	10	10	600	7	*
Felixstowe	06.4	-28	WSW	3	df	35	97	34	3	-	-	-	10	10	<150	6	3
Gorleston	05.8	-54	WSW	2	r₀r₀	35	92	32	6	6	-	-	10	10	1000	6	5
Mildenhall	06.1	-10	WSW	4	e/r	38	97	38	4	5	-	-	9+	9+	1500	6	*
Cranwell	05.4	-6	W'S	4	ef	39	97	39	2	5	-	-	9+	9+	3500	6	*
Birmingham	07.9	0	W	2	c	44	85	40	6	5	7	-	4-6	7-8	1500	6	*
Upper Heyford	08.0	-12	SW'W	C	cf	39	97	38	1	5	-	-	9+	9+	2500	7	*
Ross-on-Wye	08.9	-6	W	4	beq	50	75	42	8	5	-	1	2-3	2-3	3000	1	*
Hartland Point	12.3	-4	NW	4	c	48	97	46	7	5	-	-	9+	9+	800	1	3
Bristol	09.5	-8	W	3	o/r	41	97	36	5	5	-	-	10	10	500	1	*
Portland Bill	11.1	-12	SW	4	c	48	92	46	7	5	-	-	10	10	2500	1	4
Plymouth	13.5	-10	WNW	4	d₀d₀	50	92	48	5	6	2	-	9	10	400	1	3
The Lizard	14.7	+4	W	5	d₀d	49	97	49	4	5	-	-	10	10	1500	1	4
Scilly (St. Mary's)	15.4	-8	NW'W	5	d₀d₀	50	97	50	4	5	-	-	10	10	800	5	4
Guernsey																	
Pembroke	11.7	0	WNW	4	cq	49	85	46	8	8	4	-	7-8	9+	3000	1	3
Holyhead	09.4	+12	WNW	4	c	48	85	45	8	5	-	-	9+	9+	2500	2	4
Chester (Sealand)	07.7	+4	WNW	6	c/pr	48	85	44	7	8	6	-	7-8	9	1500	1	*
Manchester	07.2	+4	NW'W	3	z₀	42	97	41	5	5	3	-	4-6	9+	1500	4	*
Spurn Head	04.5	+2	WNW	3	of	37	97	36	3	-	2	-	10	10	1800	6	3
Catterick	05.1	+6	NW'W	3	z₀	42	85	38	5	5	7	-	7-8	9+	1500	8	*
Tynemouth	05.6	+4	NW	2	of	35	97	34	3	-	2	-	10	10	1500	6	3
St. Abbs Head	05.3	+2	NW	2	m/r	34	97	34	4	5	-	-	10	10	800	7	3
Leuchars	06.1	+14	-	0	z₀	33	97	32	5	5	7	-	9	9+	3000	8	*
Renfrew (Abbots I.)	06.7	+8	NW	2	cf	35	97	35	3	5	3	-	4-6	7-8	2500	7	*
Eskdalemuir	05.8	+12	NW	4	bc	37	85	34	7	5	4	-	4-6	4-6	1100	9	*
Point of Ayre	08.1	+8	NW'N	4	c	45	92	43	8	8	4	-	7-8	7-8	1200	1	4
Tiree	08.1	+12	NNW	3	bc	47	97	46	8	8	-	-	4-6	4-6	2500	<	4
Stornoway	05.6	+16	W	4	bc	41	97	41	7	3	-	-	2-3	2-3	1500	1	2
Dalwhinnie	07.3	+20	-	0	pr	36	97	36	7	5	-	-	10	10	2500	6	*
Aberdeen	07.2	+18	SE	3	r₀r₀	35	97	35	5	6	2	-	7-8	10	900	6	4
Wick	07.0	+26	SSE	6	s₀s₀	36	92	33	6	5	2	-	9	10	700	6	*
Sumburgh	13.3	+24	SE'S	7	rs	35	85	30	6	5	-	-	10	10	1200	4	6
Blacksod Point	14.5	+6	NW	4	c/pr	47	92	45	8	3	6	-	4-6	7-8	2500	1	4
Malin Head	09.6	+12	NW	4	c	46	92	44	8	4	6	-	4-6	7-8	1500	1	4
Aldergrove	10.1	+14	W'N	3	pr	45	85	42	8	8	-	-	9	9	1800	1	*
Birr Castle	13.6	+10	NW	2	c	47	85	43	8	8	2	-	7-8	10	1500	1	*
Valentia Obsy.	17.1	+2	NW'N	5	c	49	85	45	8	5	-	3	9	9+	1500	1	4
Roches Point	15.0	+10	NNW	5	c/pr	49	85	45	8	8	-	-	9+	9+	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)	i₀s₀d₀d₀	r₀ridf	id₀r₀fe	cm₀
Croydon	snd₀d		id₀fir₀	cm₀,id₀cm
S. Farnborough	emmd₀s₀	mdrdcm	om₀r₀e	r₀d₀dm₀e
Boscombe Down	od₀FFe	eir₀m	cm₀bc	bced₀dm₀
Thorney Island	bd₀d₀cm₀	om₀ded₀	id₀m₀b	b,eir₀c
Lympne	fs₀ss	fddrr	Fmr₀d₀	omd₀m₀
Manston	ssfmd₀d	r₀sdd₀m	d₀dr₀omf	ef
Shoeburyness	s	r₀r₀f	frremir₀	m₀ir₀c
Felixstowe	ossmr₀	or₀s	oidfd₀m	omidscm₀
Gorleston	ossfr₀sm	or₀s₀	ffe	cm₀
Mildenhall	ofsoddm	omddre	om	omir₀om
Cranwell	or₀r₀em	cm₀ef	efmir₀	ef
Birmingham	fo,d₀	oepr	epr₀	od₀f
Upper Heyford	omd,rF	dfmF	bcmr₀cm₀	ir₀id₀m₀
Ross-on-Wye	or₀c	cd₀p₀bc	bcc	c
Hartland Point	eir₀c	c	cbcc	c
Bristol	cd₀d₀m₀	cd₀r₀r₀c	bc,c	c
Portland Bill	c	c	c	c
Plymouth	cm₀	ceid₀m₀	d₀d₀m₀bc	c
The Lizard	epr₀c	cdd	c	c
Scilly (St. Mary's)	c	cod₀	od₀c	c
Guernsey				
Pembroke	c	bccq	cq	c
Holyhead	cr₀r₀m₀	c	cpr₀bc	c
Chester (Sealand)	rrfr₀s₀c	cm₀PR	cpr₀	om₀pr₀m
Manchester	rrddf	odfcm	pr₀id₀	pr₀id₀
Spurn Head	ir₀	of	c	o
Catterick	ofss₀	r₀s₀f	oir₀d₀m	ofis₀m
Tynemouth	oisis₀m	orrrff	offr₀r₀o	oir₀
St. Abbs Head	srms	cms₀r₀	cm₀	r₀m₀c
Leuchars	osfcbcms	bceircm	d₀d₀fcrr₀	mcr₀r₀cm
Renfrew (Abbots I.)	d₀fd₀r₀f	fd₀d₀mf	ofzbofcm	com
Eskdalemuir	r₀sir₀	c₀r₀bc	bcc	os₀s₀
Point of Ayre	bbcpr	prc	bbcc	r₀r₀o
Tiree	cirbc	bc	cid	cir
Stornoway	crrddpr₀	cpr₀bc	cr₀r₀	cddr₀r₀
Dalwhinnie	opr₀c	cpr₀		opr₀s
Aberdeen	cs₀s₀m	cs₀s₀r₀r	cr₀r₀	cir₀s
Wick	ssrssh	rsrs₀r₀	r₀r₀d₀d₀rs	rsshm₀
Sumburgh	r₀s₀s₀s₀m	cm₀s₀s₀is	cr,s₀c	cish₀c
Blacksod Point	c	pr	c	c
Malin Head	d	c	bccpr₀	c
Aldergrove	cedpr₀	prcpr₀	cpr₀	pr₀ir₀
Birr Castle	d	bc	*.	cid₀c
Valentia Obsy.	d	d	cprc	cprc
Roches Point	oc	pr	cprc	eid₀c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 4th January

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate northeast winds, fresh at times on the coast. Mainly dull; some light snow flurries locally with chance of heavier falls locally near the coast. Persistent frost; glazed roads.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Winds northwest to north, moderate to fresh, soon veering northeast. Overcast with some rain or sleet at first, then cloudy. Colder with frost locally at night.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate southeast to east winds, fresh locally on coast. Overcast; occasional showers of sleet or snow. Cold with temperature near freezing.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Moderate to fresh southeast to east winds. Overcast at first, brighter periods probable by tomorrow. Cold with frost at night, persisting in places.
14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Fresh east to southeast winds, strong at first on coast. Mainly overcast; showers of sleet with snow on higher ground: cold.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Wind northwest, veering north to northeast, moderate to fresh locally. Overcast, some rain changing to sleet at times in the east: becoming much colder.

GENERAL INFERENCE

A shallow trough of low pressure from Kent to the Hebrides is moving southwest and filling up, and an anticyclone indicated to north-northeast of the British Isles is spreading south. A renewed spell of cold weather in many districts seems likely. After some light rain or sleet in the West at first, precipitation will probably be confined to a few light snow showers, chiefly in Eastern counties.

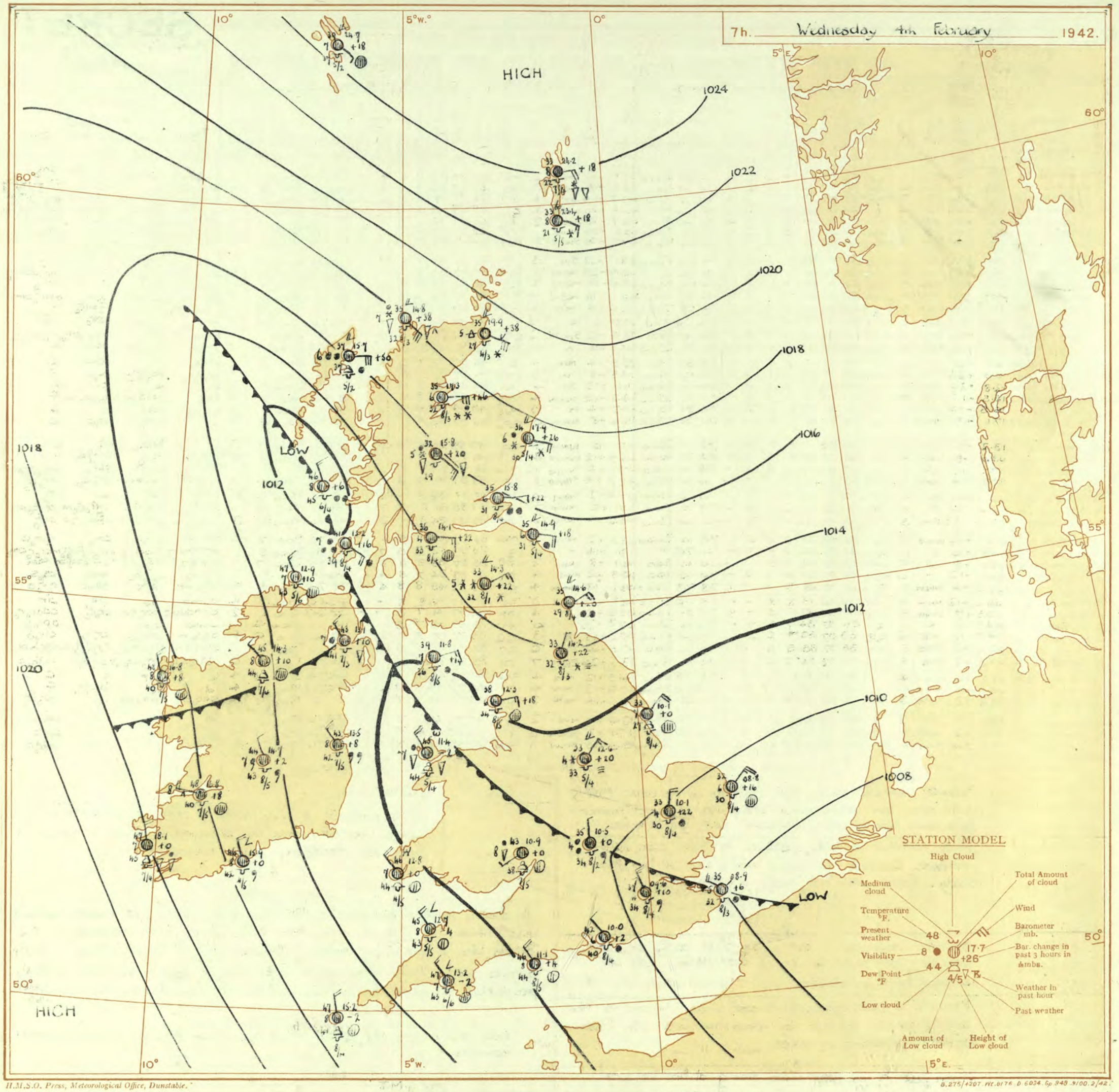
FURTHER OUTLOOK

Cold and mainly dry except for a few snow showers in the Eastern counties.

Forecasts issued at 1030 G.M.T.

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

7h. Wednesday 4th February 1942.



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

S.275/4207 Wt.8176 D 6034 Gp 948 9100 2/42.

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).

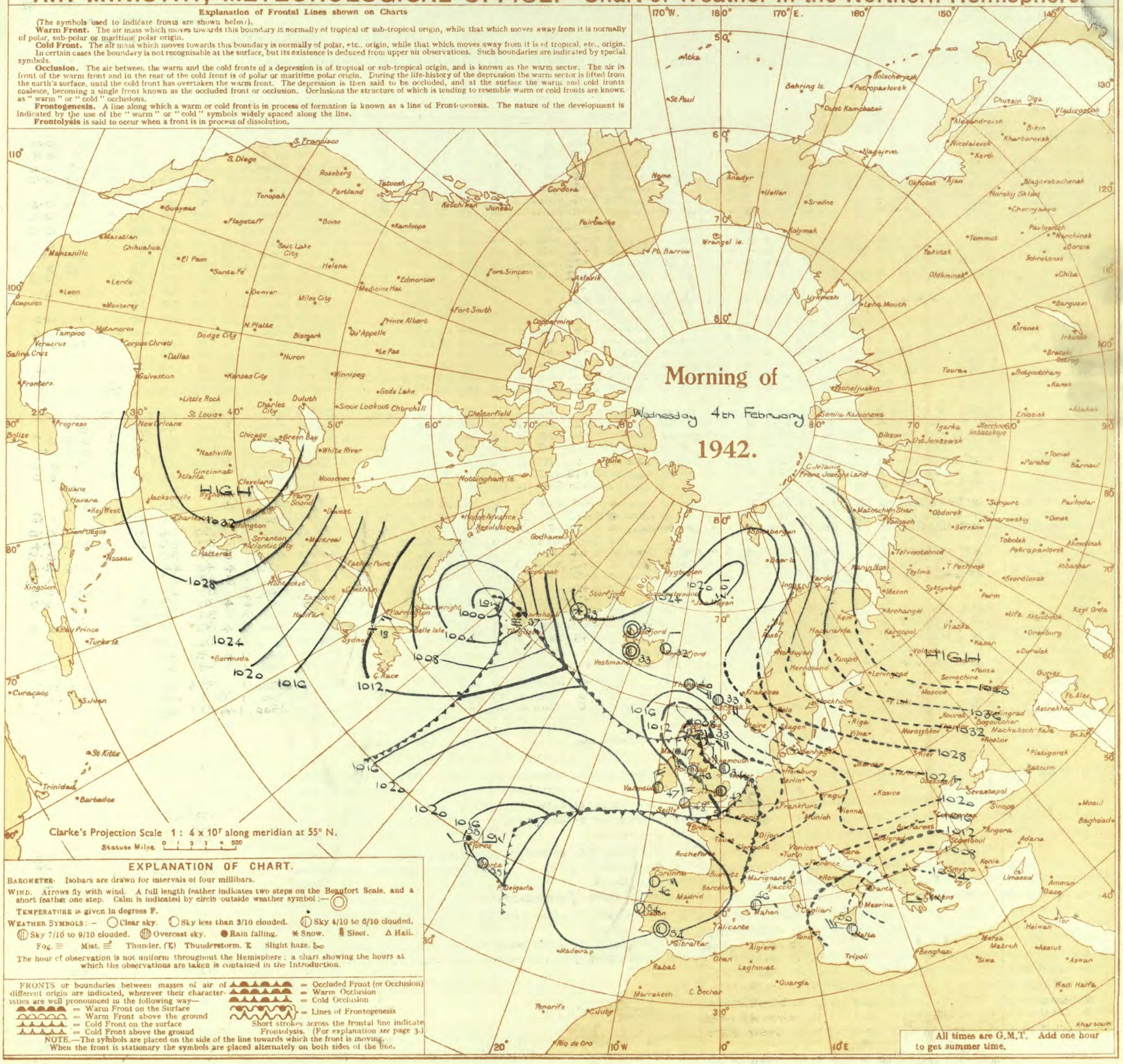
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Wednesday 4th February 1942

No. 29,294

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)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon	217	08·0	0	WNW	3	z₀	42	92	40	5	5	–	–	10	10	2000
	S. Farnborough	226	08·5	+2	NW'W	3	c	42	92	39	7	5	3	–	7-8	10	2000
	Boscombe Down	417	10·2	+6	NW	3	bc	41	92	39	7	5	3	1	2-3	4-6	4000
	Thorney Island	10	09·2	+2	WNW	3	b	41	92	40	7	5	4	–	1	1	4000
	Lympne	346	07·9	+2	NW	4	id₀	39	97	38	4	5	–	–	10	10	1200
	Manston	154	06·1	+2	NW'W	4	of–	38	97	37	3	5	–	–	10	10	500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	05·7	+6	NW'N	4	o/d	37	97	37	4	5	–	–	10	10	400
	Gorleston	5	05·4	+4	NNW	3	f+	36	92	33	2	–	–	–	10	10	150
	Mildenhall	19	06·6	+6	NW'W	3	m	37	97	36	4	5	–	–	10	10	300
	Cranwell	240	07·6	+8	NW	4	m	37	92	35	4	5	–	–	10	10	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·8	+6	WNW	3	z₀	39	92	37	6	5	–	–	10	10	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·7	+4	NW	4	c	47	85	43	8	5	–	–	9+	9+	4000
	Bristol	209	10·3	+4	W	2	c	42	92	41	8	5	3	–	7-8	9+	3000
	Portland Bill	32	10·7	0	NNW	4	c	47	92	45	8	2	–	–	10	10	2500
	Plymouth	82	13·2	+2	NW'N	2	c	47	92	44	8	5	–	6	7-8	9	5700
	The Lizard	240	14·5	0	NW	4	c	47	92	44	8	8	6	–	4-6	7-8	1500
	Scilly (St. Mary's)	163	15·4	+2	N	4	c	48	85	43	8	5	7	–	7-8	9	1200
	Guernsey	175															
6	Pembroke	142	12·2	0	NW'W	5	cq	48	85	43	8	8	–	–	7-8	7-8	3000
7	Holyhead	26	11·0	+6	WNW	4	c	46	92	43	8	8	–	–	9+	9+	3000
	Chester (Sealand)	16	09·4	+6	NW	4	c/pr	44	92	42	6	5	2	–	7-8	10	1500
8	Manchester	235	08·9	+6	WNW	3	z₀	40	97	40	5	5	–	–	10	10	1500
10	Spurn Head	29	06·6	+10	NW	3	c	34	97	33	6	5	2	–	7-8	10	1500
	Catterick	175	10·3	+26	NNW	2	d₀d₀	36	97	35	4	6	2	–	9+	10	800
	Tynemouth	108	10·3	+18	NNE	3	o	37	97	36	7	–	2	–	10	10	1500
11	St. Abbs Head	280	10·9	+26	ESE	4	z₀	36	92	33	5	5	2	–	9	10	800
	Leuchars	36	11·3	+20	E	3	r₀r₀	36	92	34	4	5	–	–	10	10	1200
12	Renfrew (Abbots I.)	19	10·5	+20	ESE	3	m	35	92	33	4	5	–	–	9+	9+	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10·0	+10	NW'N	4	c	45	97	44	7	5	3	–	4-6	9	2000
13A	Tiree	22	09·2	+8	NW'N	3	id₀	45	97	44	8	5	–	–	9+	9+	1800
13B	Stornoway	80	07·6	+12	NW	1	r₀r₀	45	97	45	7	5	1	–	7-8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick	119	13·6	+30	SSE	6	rs	34	97	32	5	–	2	–	10	10	800
16	Sumburgh	30	19·2	+26	ESE	5	c	33	75	28	8	8	–	–	10	10	2500
17	Blacksod Point	18	15·8	+2	NNW	3	c	46	97	46	7	5	–	–	9	9	1500
18	Malin Head	84	11·2	+2	NW	3	pr	47	85	43	6	3	–	–	7-8	7-8	800
	Aldergrove	268	12·0	+8	W'N	2	c/pr	43	97	42	8	8	–	–	9	9	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·1	+2	NW'N	4	c/pr	47	92	45	7	5	–	–	9	9	1500
	Roches Point	22	16·3	0	NNW	4	c	46	85	42	8	5	–	5	4-6	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 4th 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)	10·6	+20	N	3	z₀	37	85	32	5	5	–	7	9+	10	1500	4	*
Croydon	09·6	+10	NNW	5	m	37	85	34	4	5	–	–	10	10	1800	1	*
S. Farnborough	10·5	+14	N	3	o/d	39	92	37	6	5	–	–	10	10	2500	4	*
Boscombe Down	11·1	+8	NW	3	r₀r₀	41	97	40	6	5	–	–	10	10	1000	1	*
Thorney Island	10·0	+2	NW	3	z₀	42	92	40	6	5	–	–	10	10	1500	1	*
Lympne	08·9	+6	WNW	3	z₀	35	92	32	5	5	–	–	10	10	700	6	§3
Manston	07·7	+10	NW'N	4	of	35	92	33	3	5	–	–	10	10	400	4	*
Shoeburyness	08·9	+14	NNW	3	c	35	92	33	6	6	2	–	9+	10	800	6	*
Felixstowe	08·4	+2	NNE	4	o/d	34	85	31	5	5	–	–	10	10	1200	6	3
Gorleston	08·8	+16	NE	5	z₀	32	92	29	6	5	–	–	10	10	1500	2	3
Mildenhall	10·1	+22	N'E	4	m	33	85	30	4	5	–	–	10	10	1500	6	*
Cranwell	11·9	+22	NNE	3	m/f	33	85	30	4	5	–	–	10	10	1500	6	*
Birmingham	12·2	+2	NE	3	df	36	92	34	2	6	–	–	10	10	450	4	*
Upper Heyford	10·5	+10	N	1	ir	35	97	34	4	5	–	–	10	10	600	6	*
Ross-on-Wye	10·9	0	SW'W	1	pr	43	85	38	8	8	–	–	9+	9+	2500	1	*
Hartland Point	12·7	–4	NW	4	c	45	92	43	8	5	1	–	7-8	9	2500	1	4
Bristol	11·2	+2	NW	2	z₀	41	92	39	6	5	3	–	9	9+	3000	1	*
Portland Bill	11·1	+4	NW	4	c	46	92	46	8	5	–	–	10	10	2500	1	4
Plymouth	13·2	–2	NW	3	c	47	92	43	7	5	1	–	9	10	3500	0	3
The Lizard	14·2	–4	NW	4	c	47	85	43	8	8	2	–	9	10	1500		4
Scilly (St. Mary's)	15·2	–2	N'W	4	c	47	85	41	8	8	–	–	10	10	1500	1	4
Guernsey																	
Pembroke	12·8	0	NW	4	c	46	92	44	7	4	6	–	4-6	7-8	2500	1	3
Holyhead	11·4	–2	NW	4	pr	45	97	44	7	8	3	–	7-8	9	1500	1	3
Chester (Sealand)	11·7	+14	NE	3	o	40	85	35	4	5	–	–	10	10	1300	1	*
Manchester	12·1	+18	NE	2	d₀d₀	36	92	34	4	5	–	–	10	10	1500	6	*
Spurn Head	10·1	0	NE	4	o	33	75	27	7	8	–	–	10	10	1500	6	3
Catterick	14·2	+22	NNE	1	m/f	33	97	32	4	5	–	–	10	10	800	6	*
Tynemouth	14·6	+20	ENE	4	o/r	35	85	29	6	–	2	–	10	10	1500	6	4
St. Abbs Head	14·9	+18	ESE	4	z₀	35	85	31	6	5	2	–	7-8	10	1500	4	3
Leuchars	15·8	+22	E	2	o/r	35	85	31	6	5	–	–	10	10	1200	6	*
Renfrew (Abbots I.)	14·1	+22	E	3	m	36	92	33	4	5	–	–	10	10	2000	7	*
Eskdalemuir	14·3	+22	ENE	3	s₀s₀	33	97	32	5	–	2	–	10	10	300	9	*
Point of Ayre	11·8	+14	E'N	3	o	39	92	36	7	5	–	–	10	10	2000	1	3
Tiree	14·4	+6	NNW	3	c/r	46	97	45	8	5	–	–	9	9	1800	1	4
Stornoway	15·7	+50	E	6	r₀r₀	37	97	37	6	8	2	–	7-8	10	500	1	3
Dalwhinnie	15·0	+20	SE	5	prs	32	85	29	5	5	–	–	10	10	1500	8	*
Aberdeen	17·9	+26	ESE	4	rs	34	85	30	6	6	2	–	7-8	10	1100	6	4
Wick	19·9	+38	ESE	6	sh	35	75	27	5	5	2	–	4-6	10	800	6	*
Sumburgh	23·4	+18	ESE	3	c	33	75	26	8	5	7	–	7-8	10	2500	3	4
Blacksod Point	16·8	+8	NNW	3	c	48	75	41	8	5	–	–	9+	9+	2500	1	4
Malin Head	12·9	+10	NNW	3	c	47	85	43	7	5	–	–	7-8	7-8	4000	1	4
Aldergrove	13·1	+10	NW	3	ir₀	43	92	41	7	5	–	–	9+	9+	900	1	*
Birr Castle	14·7	+2	NNW	2	id	44	97	43	7	5	–	–	10	10	2500	1	*
Valentia Obsy.	18·1	0	N'W	4	c/pr	47	92	45	7	8	–	–	9+	9+	1500	1	3
Roches Point	15·9	0	NNW	4	c	46	85	43	8	5	1	–	4-6	9	2500	1	4

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 3rd Hrs. (38)
London (Kew)	40	37	35	2	0·5	0·0
Croydon	43	37	35	3	1	0·0
S. Farnborough	43	39	37	2	0·5	0·0
Boscombe Down	47	40	37	2	0·3	0·0
Thorney Island	47	40	38	1	0·2	*
Lympne	39	35	34	12	0·4	0·0
Manston	38	34	33	8	1	0·0
Shoeburyness	38	35	34	9	1	0·0
Felixstowe	36	33	32	5	1	0·0
Gorleston	36	32	31	5	3	*
Mildenhall	38	32	32	11	0·3	0·0
Cranwell	40	35	32	2	1	0·0
Birmingham	46	35	34	2	0·4	0·1
Upper Heyford	39	35	33	2	1	*
Ross-on-Wye	50	43	38	0·2	Tr	0·0
Hartland Point	48	45	44	0·3	–	0·0
Bristol	48	(41)	34	1	Tr	0·0
Portland Bill	48	(46)	*	–	–	*
Plymouth	51	40	38	Tr	Tr	0·0
The Lizard	50		*	1	–	0·4
Scilly (St. Mary's)	52	47	*	Tr	0·3	1·9
Guernsey						
Pembroke	53	43	*	Tr	–	1·7
Holyhead	51	44	42	0·2	0·1	*
Chester (Sealand)	52	40	38	2	0·6	0·7
Manchester	44	35	33	9	0·4	*
Spurn Head	37	32	*	8	Tr	0·0
Catterick	42	33	33	5	1	0·0
Tynemouth	36	34	33	4	0·3	*
St. Abbs Head	34	33	*	1	0·5	*
Leuchars	35	32	31	3	1	1·6
Renfrew (Abbots I.)	36	34	31	3	–	0·0
Eskdalemuir	39	32	32	2	0·3	0·4
Point of Ayre	51	39	*	2	1	0·9
Tiree	49	44	*	0·4	0·6	4·5
Stornoway	48	37	*	1	1	2·2
Dalwhinnie	38	31	30	2	0·2	0·0
Aberdeen	36	33	31	9	4	0·0
Wick	36	33	32	9	4	*
Sumburgh	36	32	31	3	Tr	0·0
Blacksod Point	50	45	*	0·2	1	*
Malin Head	49	44	*	1	1	0·5
Aldergrove	49	42	41	0·3	1	2·4
Birr Castle	53	43	42	0·1	0·1	1·6
Valentia Obsy.	51	46	43	Tr	0·3	0·0
Roches Point	54	46	*	Tr	Tr	*

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	6-	68638	12678	5-	04428	08148	62	03636	10678	52	68745	08528
115				52	61735	28368	52	62635	45668	52	85735	79688
203				6-	10828	24328	5-	02838	16328	5-	02838	08558
206	51	22555	00068	33	81655	00087	5-	52648	41458	5-	24638	08678
210	02	52648	08268	02	57318	10158	5-	68538	41468	02	68548	41578
220				83	01744	29415				52	81435	27228
230	5-	02548	16168	83	25745	28385	8-	81648	00088	57	61664	12268
245	5-	05638	00078	02	52438	23168	02	68648	10468	6-	68646	09478
260	02	43348	21268	02	47347	25247				5-	22447	03567
278	8-	02856	27566	80	01863	60623	8-	02868	26425	5-	62638	12368
279	02	57328	04168	54	05645	22225	5-	02748	04228	5-	05558	04358
285				--	57309	32559				02	05528	04428
288	5-	05657	16277	--	48209	00049	5-	45248	28258	02	68448	05278
575	8-	10847	28457	8-	81846	30586	8-	05737	28387	8-	02847	27227
301	5-	22600	26348	50	05655	28325	5-	02758	29328	5-	05658	07328
321	57	05546	20268				02	08438	30468	5-	22548	03368
299	5-	22438	16368	50	08425	24215	5-	05646	32326	5-	05648	04428
292	02	67338	08178	5-	47347	00047	5-	08428	30248	5-	68548	05278
310												
614	--	57103	22270	54	05644	26464	02	51348	26128	52	71446	04348

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	5-	01744	22455	5-	02857	28427	8-	02857	27417	8-	81747	28367
334				--	63547	36388				--	02546	28317
340	5-	02847	22167	88	01844	28185	5-	61748	28268	5-	51448	0-258
136	02	62438	16468	5-	45208	24468	--	48209	62449	5-	05548	37458
336	--	67209	04369							57	02655	04328
350	5-	52528	53458	5-	81328	22328	5-	22538	28488	5-	05528	02458
368	52	57327	23458				83	25644	27285	84	02745	28286
379	--	46109	20469				5-	51648	30358	5-	61318	32368
390	02	57338	18378	--	67109	24279	5-	08448	27358	5-	08437	30458
382	5-	54528	21258	80	02657	23317	5-	02756	26326	5-	22548	02358
438	02	57009	22569							8-	21558	28258
430	02	22416	18368	5-	57328	24368	83	05663	25353	8-	25646	32388
409	5-	02728	22448	52	05627	25358	54	02764	28426	5-	02743	30528

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

§ Sea disturbance reported from Dungeness.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 4th
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	ir₀sd₀d₀	r₀rid₀f	id₀r₀fcm₀	Kew 24 hours ended 7h.
Croydon	shd₀d₀		idfir₀cm₀	Max. 0·3 Time 15-18h 3rd
Greenwich	csd₀	dd₀dm	dcm	Min. 0·1 Time 0-7h 4th
Camden Square	o	o	*	
Kensington	ocr	or₀	*	
Hampstead	osx	or	o	

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	2	0·5	0·0	*	*
Croydon	43	37	35	3	1	0·0	*	*
Greenwich	42	33	33	2	0·5		95	95
Westminster	41	32	31		4		95	89
Regents Park								
Camden Square	40	34	*	4	1	*	*	87
Kensington	41	34	32	3	1		95	81
Hampstead	39	31	29	4	1		*	93

Page 1 BRITISH SECTION

SECRET

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

Thursday 5th February 1942

No. 29295

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)	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)	14.0	+6	NNE	3	zo	34	75	27	6	5	-	-	10	10	1500
	Croydon ...	13.6	+12	N	4	m	33	85	29	4	5	2	-	7-8	10	1500
	S. Farnborough	14.2	+12	NNE	3	zo	33	75	28	6	5	2	-	9	10	1500
	Boscombe Down	14.6	+14	NE	4	zo	34	85	29	6	5	-	-	10	10	800
	Thorney Island	13.4	+14	NNE	3	zo	36	75	29	6	5	7	-	9+	9+	2500
	Lympne ...	12.9	+10	NNW	4	sh	31	85	28	4	5	-	-	10	10	300
	Manston ...	11.7	+6	N	5	sh	32	92	30	5	5	-	-	10	10	800
2	Shoeburyness ...	13.0	+12	NNW	3	c	33	85	30	6	5	2	-	4-6	10	1200
	Felixstowe ...	12.8	+14	NNE	4	sh	32	85	29	5	-	2	-	10	10	900
	Gorleston ...	13.3	+10	NE	6	zo	33	85	29	6	5	-	-	10	10	1000
	Mildenhall ...	14.0	+8	NNE	3	zo	33	85	29	6	5	-	-	7-8	10	1500
	Cranwell ...	15.8	+10	NE'N	3	sh	32	92	29	6	5	-	-	10	10	800
3	Birmingham ...	15.6	+8	NE	3	m	32	85	28	4	6	2	-	7-8	10	800
	Upper Heyford	14.3	+6	NE	3	zo	22	85	19	6	5	-	-	9	9	5500
4	Ross-on-Wye	15.1	+12	NE	3	zo	35	75	29	6	5	-	-	10	10	800
5	Hartland Point	13.8	-2	NW	3	c	46	85	43	8	8	6	-	7-8	10	1400
	Bristol ...	14.7	+14	E'N	3	zo	38	75	31	6	5	-	-	10	10	1500
	Portland Bill ...	12.3	+8	E	4	pr	41	92	39	7	5	-	-	10	10	2500
	Plymouth ...	13.6	-6	N'W	3	c/pr	47	85	43	7	8	-	-	9	9	2500
	The Lizard ...	14.3	-8	NW	4	c/pr	51	75	43	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	15.5	-2	N	4	c/jp	49	85	44	8	8	4	2	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	14.0	-4	NNW	4	c	47	85	43	8	8	6	-	7-8	9+	2000
7	Holyhead ...	13.9	+24	ENE	5	zo	40	85	36	5	8	-	-	9+	9+	1500
	Chester (Sealand)	16.8	+20	E	2	c/s	36	85	31	5	-	2	-	4-6	10	3100
8	Manchester ...	16.5	+14	NE	4	zo	34	92	31	6	7	-	-	4-6	10	3000
10	Spurn Head ...	15.9	+16	ENE	4	zo	33	92	31	6	8	4	-	4-6	7-8	2500
	Catterick ...	18.6	+16	NE	2	sh	32	97	31	3	-	2	-	10	10	600
	Tynemouth ...	19.6	+14	ENE	0	iSo	33	92	30	6	-	2	-	10	10	1200
11	St. Abbs Head	20.3	+24	NE	4	c	33	75	27	6	8	2	-	7-8	10	1500
	Leuchars ...	21.9	+28	E	3	c/s	34	85	30	6	8	1	-	7-8	10	2000
12	Renfrew (Abbots I.)	20.9	+32	ENE	3	SS	35	92	32	5	5	-	-	10	10	2000
	Eskdalemuir ...	20.1	+24	NE'E	4	SoSo	31	85	27	5	-	2	-	10	10	300
	Point of Ayre ...	11.7	+26	SE'E	4	dodo	36	97	36	7	6	2	-	7-8	10	1000
13A	Tiree ...	19.2	+46	ESE	3	dodo	38	97	36	7	5	-	-	10	10	1500
13B	Stornoway ...	23.0	+30	NE'N	5	c	38	92	36	7	8	7	-	7-8	9+	1000
15	Dalwhinnie ...	23.3	+34	SE	4	c	31	85	27	7	5	4	-	4-6	9+	2500
	Aberdeen ...	23.9	+26	E'S	4	c/s	33	85	29	7	2	3	-	7-8	7-8	1500
	Wick ...	25.9	+26	E	3	ps	34	75	28	7	2	3	-	2-3	9+	2500
16	Sumburgh ...	26.5	+6	NE'N	1	b	36	65	26	8	1	-	-	1	1	3000
17	Blacksod Point	19.1	+6	N	4	c	48	75	41	8	-	7	-	0	10	-
18	Malin Head ...	17.4	+28	ENE	5	ido	42	92	40	5	6	-	-	9+	9+	800
	Aldergrove ...	17.7	+26	E	4	c/r	37	92	35	5	5	2	-	2-3	10	800
19	Birr Castle ...	16.6	+10	NNW	2	c	47	75	40	8	5	1	-	7-8	9+	4000
20	Valentia Obsy.	19.4	+4	N	4	c	49	85	45	8	5	-	-	9+	9+	4000
	Roches Point	17.2	+2	N'W	4	c	50	75	43	8	8	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. 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)	°F. 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)	Weather 7h.–13h. 4th (39)	Weather 13h.–18h. 4th (40)	Weather 18h. 4th to 1h. 5th (41)	Weather 1h.–7h. 5th (42)
London (Kew)	16.7	+18	NE	4	zo	32	75	24	6	5	-	-	10	10	2500	1	*	Cmozo	czo	czo	csoczo
Croydon	16.3	+14	NE'N	5	m	31	92	29	4	5	-	-	7-8	10	1500	1	*	c	cmshcm	cm,bm,cmo	cmoidoiSo
S. Farnborough	16.6	+14	NNE	4	z	33	75	27	5	5	-	-	9+	9+	1400	1	*	cdoromo	czobcc	czo	zoidoiSoc
Boscombe Down	17.2	+18	NE	5	c/ps	32	92	30	6	8	7	-	9	10	1200	1	*	crodomo	cpsomo	cmo	cmoSoSomo
Thorney Island	16.0	+18	N'E	2	zo	33	75	26	6	5	3	-	9	10	2500	1	*	ciromo oc	cmo	como	oiSomo
Lympne	15.3	+18	N	4	c/s	31	85	27	5	5	-	-	10	10	600	4	§4	omosh	omcmosh	cmo	cmoSho
Manston	14.6	+18	N'E	5	zo	32	85	29	5	5	-	-	10	10	1300	4	*	iSoSoSosh	csh, cmo	cmo	SoSoiSomo
Shoeburyness	16.0	+20	NNE	4	c	32	92	30	6	5	-	-	10	10	1500	8	*	cmo	cidocmo	cmo	ciSomo
Felixstowe	15.7	+22	NE'N	5	zo	32	65	23	6	5	-	-	10	10	3300	8	4	cmoOSoho	ohohocmo	c	cmosho
Gorleston	16.4	+18	NE	6	zo	32	85	28	6	5	-	-	10	10	1500	3	5	colSohzo	cmomo	czo	czophoc
Mildenhall	17.6	+26	N	3	zo	31	97	29	6	5	-	-	9+	9+	4000	7	*	cSohomo	cmoroSoem	ciSomo	ciSomo
Cranwell	19.3	+30	NE'N	3	c/s	30	97	29	6	5	-	-	10	10	1000	8	*	cmshmo	cshcmo	cmosh	cmomoiS
Birmingham	18.8	+16	NE	3	m	31	85	27	4	6	-	-	10	10	800	4	*	ffoSom	om	oiSo	ociSo
Upper Heyford	17.6	+12	NE	5	sh	31	92	28	5	5	-	-	10	10	1500	8	*	foroSCmo	cshmo	cshiSomo	iSoSoSomo
Ross-on-Wye	18.0	+20	NE	3	zo	34	75	28	5	5	-	.	10	10	800	1	*	croroOm	czo	czcq	cmo
Hartland Point	14.8	+12	NE	4	c/r	38	85	34	5	5	2	-	7-8	10	1000	1	3	c	circ	circ	c
Bristol	17.4	+14	E	2	m	34	85	29	4	5	2	-	7-8	9+	1500	1	*	cmododozo	czom	cmo,cmo	ciSomo
Portland Bill	15.8	+20	ENE	4	o	36	92	33	6	5	-	-	10	10	2500	1	5	epro	o	o	o
Plymouth	15.2	+14	E	4	rr	40	92	38	5	5	-	-	10	10	1000	1	3	cpro	cpro	crrcmo	c
The Lizard	14.9	+6	N	2	c/pr	44	92	42	8	8	2	-	7-8	9+	1500	1	3	cproc	cproc	czo	c
Scilly (St. Mary's)	15.4	+4	SE'E	5	c/pr	46	85	43	8	8	8	-	9+	9+	1200	1	4	cbcc	cpo	cphrqc	c
Guernsey																					
Pembroke	16.6	+34	E'N	6	rr	44	97	44	5	8	-	-	10	10	2000	1	3	c	crqmo	moc	bc
Holyhead	19.3	+34	ENE	5	c	36	85	30	5	5	-	-	7-8	7-8	2500	1	4	cdoromoc	cmobcm	cmo	cmobc
Chester (Sealand)	20.6	+22	NNE	2	m/s	34	85	31	4	5	-	-	4-6	10	1500	1	*	eromo,So	cmSoSo	cmmoSo	cmoSocb
Manchester	20.2	+20	NNE	4	c/ps	32	85	28	5	8	3	-	4-6	9+	2000	4	*	doSom	cpsh	pSoiro	iSocbc
Spurn Head	19.1	+14	NE'N	5	iSo	32	97	32	6	8	2	-	7-8	10	1500	8	4	ophscphs	oiS	oqiSh	S
Catterick	22.6	+18	NNE	4	c/s	32	85	28	6	5	-	-	7-8	10	800	7	*	mofSh	omshcmo	moiSocmo	bcmoiScmo
Tynemouth	22.9	+14	ENE	5	c	34	92	33	7	2	-	-	9+	9+	3400	8	4	oiSo	oiSoc	cpSo	cpS
St. Abbs Head	24.3	+18	ENE	5	cq	34	75	25	7	5	2	-	7-8	10	1500	4	4	cmooSS	cmopSocq	moc	cqpSo
Leuchars	26.5	+30	ENE	3	c	34	65	25	7	9	-	-	9+	9+	2000	8	*	shSoSocmo	cmocshc	ciSobcbmo	bccmo
Renfrew (Abbots I.)	25.9	+30	ENE	4	zo	33	85	30	5	5	3	-	7-8	9+	2500	7	*	cSSmo	moSScmo	c	cmoccmo
Eskdalemuir	24.4	+22	NE	4	iSo	29	85	26	6	5	-	-	9+	9+	1400	9	*	OSoSo	SoiSo	cbcc	ciSoc
Point of Ayre	23.0	+20	E'N	5	c	36	85	32	8	9	4	-	4-6	9+	2000	1	4	dodddo	doroSo	cbcc	cbcc
Tiree	28.0	+30	E	3	o	37	97	34	7	5	-	-	10	10	2100	0	4	orrd	o	bc	bcc
Stornoway	28.9	+18	E	5	c	34	85	33	8	8	7	-	7-8	9+	2000	1	3	croro	c	c	c
Dalwhinnie	28.4	+36	N	1	bc	24	85	21	8	2	-	6	1	2-3	4000	8		oc	cbc		bcc
Aberdeen	27.6	+20	N'W	2	sh	32	85	28	4	6	2	-	7-8	9+	1200	8	4	cjSocjS	bcesoho z	cS*pS	cpSo
Wick	28.7	+18	NE	2	bc	32	97	31	8	2	4	S	4-6	4-6	2000	7	*	SohSohpoS	pSopsbc	bcb,c	cmoc
Sumburgh	27.9	+4	N	2	bc	34	75	26	8	8	-	-	2-3	2-3	2500	3	3	cpSobcb	b,cbc	bcc	c
Blacksod Point	21.1	+16	N	5	c	46	75	39	8	-	7	-	0	9+	-	0	4	c	c	bc	bc
Malin Head	23.6	+38	E	4	c	40	75	33	6	8	-	-	9+	9+	800	1	4	c	c	c	c
Aldergrove	23.6	+38	E'N	3	c/s	35	85	31	6	5	7	-	9	10	2500	1	*	dormcro	ccisomo	cbcmoc	cbccx
Birr Castle	19.2	+22	NNW	3	c/pr	44	85	40	8	3	2	-	2-3	10	1500	1	*	d	pr	*	bc
Valentia Obsy.	20.5	+6	N'E	4	c	48	65	37	8	5	-	.	10	10	2500	1	3	pr	pr	pr	bc
Roches Point	18.4	+14	N	5	c	47	75	40	8	5	-	S	4-6	7-8	2500	1	4	c	bc	bc	bc

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

Districts	Forecast
1 S.E. England; 2 E. England ...; 3 E. Midlands ...; 4 W. Midlands	Fresh northeast wind strong locally; cloudy with snow at times, mainly slight; temperature slightly below freezing point day and night
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Moderate or fresh northeast wind, decreasing; fair with some bright intervals; cold with hard frost at night.
9 N. Midlands ...; 10 N.E. England; 11 S.E. Scotland	Moderate northerly wind becoming light variable; cloudy with slight local snow at first; fair with bright intervals later; cold with frost day and night.
12 S.W. Scotland & Isle of Man; 13A W. Scotland ...; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light variable winds; mainly fair with some bright periods, but some slight rain in extreme North and Northwest later; cold with hard frost in many places at night.
16 Orkneys and Shetlands	As 11-15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light easterly to variable winds; fair with some bright periods; cold with hard frost locally at night.

GENERAL INFERENCE

An anticyclone centred off Northwest Scotland is drifting slowly southwest, and a trough of low pressure near the Faeroes will move east-southeast. Cold weather will continue with occasional slight snow in eastern districts. Some fair periods will be enjoyed in the West, and will probably extend eastwards.

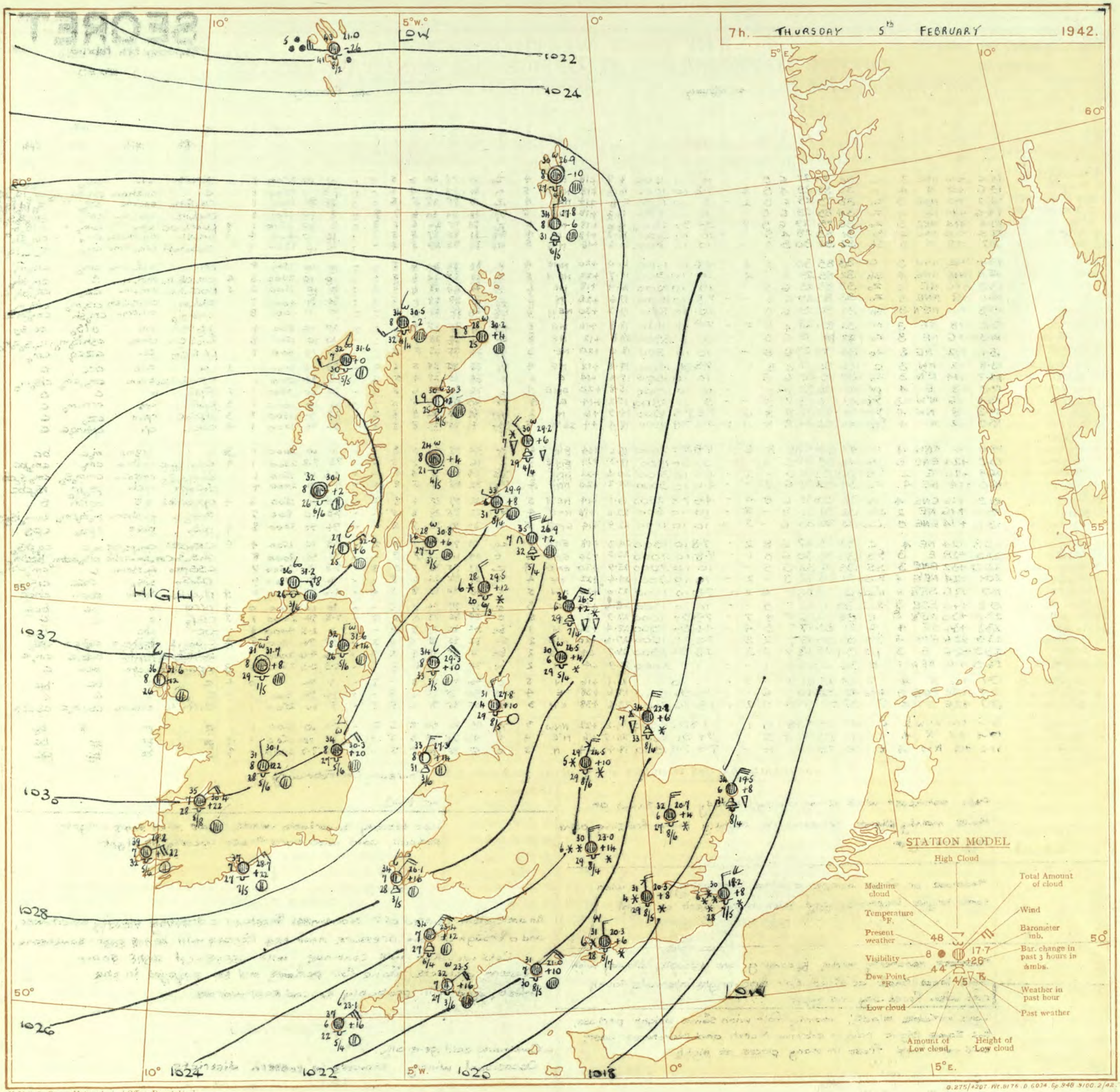
FURTHER OUTLOOK

Continuing cold generally.
Occasional wintry showers in eastern districts

Forecasts issued at 10.30. G.M.T.

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

7h. THURSDAY 5th FEBRUARY 1942.



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

G.275/4207 Wt.8176 D.6034 Gp.948 9100 2/42

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).

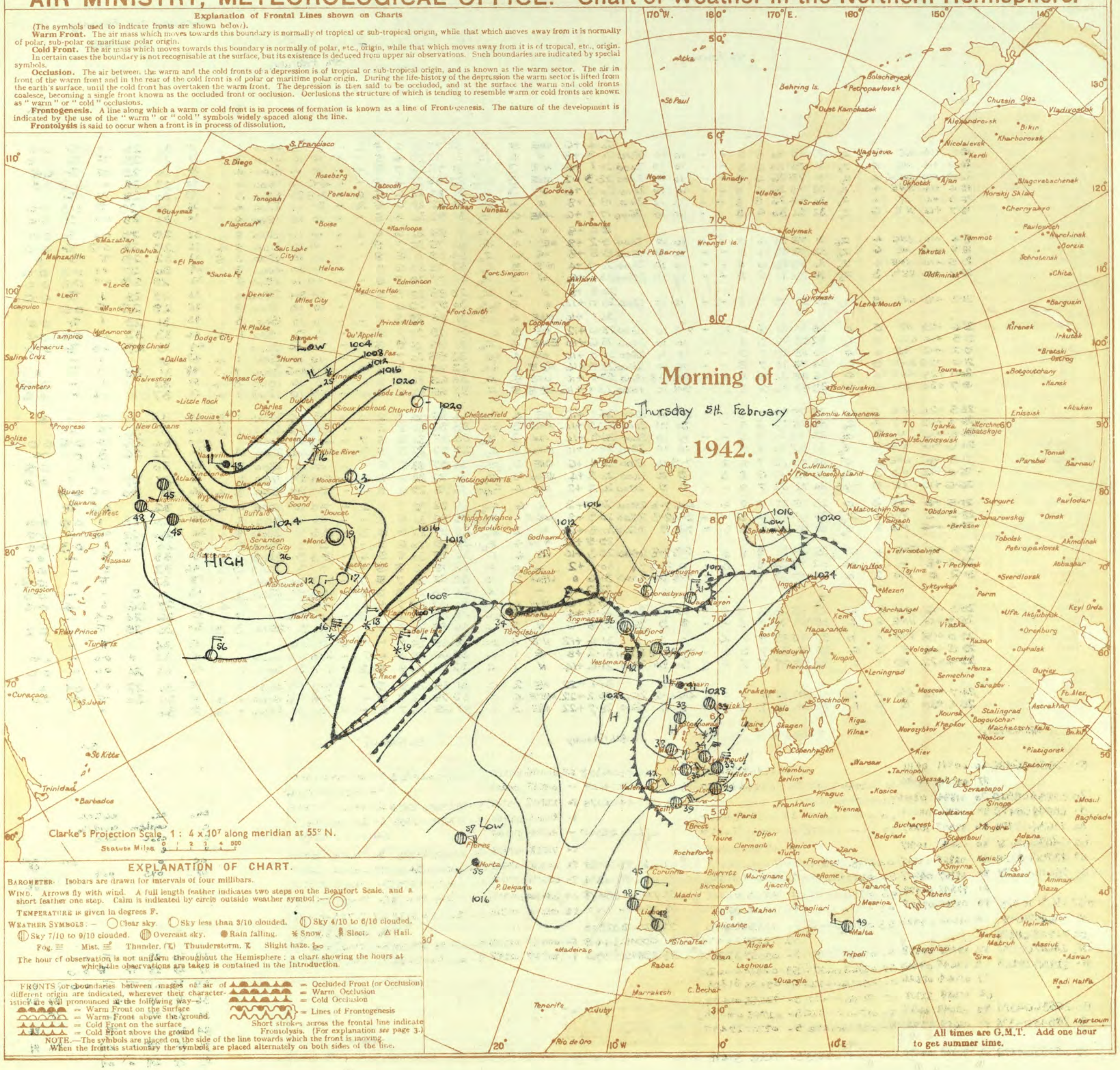
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Thursday 5th February 1942
No. 29295

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	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Croydon ...	217	19·1	+14	NE	6	z_0	29	85	24	5	5	–	–	10	10	3500
	S. Farnborough	226	20·0	+14	NNE	5	z_0	31	75	24	6	5	–	–	10	10	2400
	Boscombe Down	417	20·8	+14	NW'N	4	z_0	31	75	26	6	5	–	–	10	10	2200
	Thorney Island	10	19·4	+14	NNE	4	z_0	32	75	26	6	5	–	–	10	10	2300
	Lympne ...	346	16·3	+4	N	4	z_0	30	85	26	5	5	–	–	10	10	2100
	Manston ...	154	16·7	+6	N'E	6	z_0	32	92	30	6	5	–	–	10	10	2600
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	18·4	+10	NNE	4	z_0	31	75	25	6	5	–	–	10	10	2500
	Gorleston ...	5	18·8	+10	NE	6	z_0	32	75	25	6	5	–	–	10	10	1500
	Mildenhall ...	19	20·5	+10	NNE	4	z_0	30	85	26	6	5	–	–	10	10	2400
	Cranwell ...	240	22·2	+10	NE'N	3	z_0	31	92	28	6	5	–	–	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·2	+16	NNE	5	is_0	29	97	28	5	5	–	–	10	10	1900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·6	+22	NE	5	c	35	75	28	6	5	2	–	7-8	10	1500
	Bristol ...	20[illegible]	21·8	+14	ENE	5	z_0	32	75	26	6	5	–	–	10	10	2400
	Portland Bill ...	32	19·2	+12	NE	4	o	33	85	29	7	5	–	–	10	10	2500
	Plymouth ...	82	21·0	+26	ENE	5	c	34	76	28	7	5	–	–	10	10	2500
	The Lizard ...	240	20·1	+28	NNE	4	c	36	85	32	5	8	2	–	7-8	7-8	1500
	Scilly (St. Mary's)	163	19·7	+34	E'N	5	c	39	86	36	6	5	2	–	7-8	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	23·5	+24	NE'E	6	c	35	75	28	7	8	1	–	7-8	10	1500
7	Holyhead ...	26	25·4	+22	NE	4	z_0	35	75	29	6	5	–	–	9+	9+	3000
	Chester (Sealand)	16	24·8	+16	N	3	is_0	33	85	30	5	5	–	–	10	10	5000
8	Manchester ...	235	24·6	+16	N'E	3	is_0	31	97	30	6	5	–	–	10	10	2500
10	Spurn Head ...	29	21·9	+8	NNE	6	o	33	97	33	7	8	2	–	7-8	10	1500
	Catterick ...	175	26·0	+12	N'E	3	z_0	31	92	29	6	8	3	–	9	10	1400
	Tynemouth ...	108	26·6	+16	NE	5	c/ps	34	92	32	7	8	–	–	9	9	2500
11	St. Abbs Head	280	27·5	+6	NNE	3	c	33	75	27	7	8	4	–	4-6	7-8	2500
	Leuchars ...	36	28·9	+2	NW	1	z_0	29	85	26	6	5	–	–	2-3	2-3	2800
12	Renfrew (Abbots I.)	19	29·8	+14	N'E	2	z_0	30	92	28	6	5	3	–	7-8	9	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	27·8	+8	ENE	4	c	35	85	31	8	8	3	–	2-3	7-8	2500
13A	Tiree ...	22	29·3	+8	–	0	bc	32	75	24	8	–	3	–	0	2-3	–
13B	Stornoway ...	80	31·2	0	NW	2	c	33	97	33	7	8	7	–	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Wick ...	119	29·5	–6	W'N	2	c	27	85	23	6	5	–	–	10	10	3000
16	Sumburgh ...	30	28·3	–6	NNE	2	c	35	85	32	7	8	–	–	9	9	2500
17	Blacksod Point	18	29·0	+38	E'N	4	b	37	85	33	8	–	4	–	0	1	–
18	Malin Head ...	84	29·5	+18	E	3	c	38	75	31	7	9	–	–	7-8	7-8	5700
	Aldergrove ...	268	29·6	+22	NE	1	c	32	75	25	7	7	–	–	9+	9+	3700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·7	+22	E'N	4	z_0	42	85	38	6	7	–	–	4-6	4-6	2500
	Roches Point	22	25·4	+30	E	4	c	38	85	34	7	5	–	–	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 5th 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)	20·4	+6	NNE	5	z_0	32	75	25	6	5	2	–	9	10	2500	1	*
Croydon	20·3	+8	N	4	is_0	31	92	29	4	5	–	–	10	10	2400	3	*
S. Farnborough	21·1	+6	N'E	3	is_0	31	75	26	7	5	–	–	10	10	1800	4	*
Boscombe Down	22·3	+12	NNE	3	s_0s_0	29	85	27	6	5	–	–	4-6	10	1400	4	*
Thorney Island	20·3	+6	N	3	is_0	31	85	28	6	5	6	–	7-8	9+	5700	3	*
Lympne	18·2	+8	N	4	ss_0	30	92	28	6	5	2	–	9+	10	2200	4	§4
Manston	17·7	+6	NNE	6	is_0	31	92	30	5	5	–	–	10	10	1800	4	*
Shoeburyness	19·0	+8	N	4	is_0	31	85	26	6	6	2	–	10	10	1500	8	*
Felixstowe	19·2	+8	NE'N	4	sh	32	75	25	7	5	–	–	10	10	3100	8	4
Gorleston	19·5	+8	NE	6	z_0	34	85	31	6	8	–	–	10	10	1500	3	5
Mildenhall	20·7	+4	N'E	5	z_0	32	75	27	6	5	–	–	10	10	4000	8	*
Cranwell	23·4	+6	N	3	is_0	30	97	29	7	5	–	–	10	10	2500	8	*
Birmingham	24·5	+8	N	3	z_0	29	85	25	9	5	–	–	9+	9+	2500	4	*
Upper Heyford	23·0	+14	N	5	s_0s_0	30	97	29	6	5	–	–	10	10	1500	8	*
Ross-on-Wye	24·1	+10	NNE	4	ps	31	85	29	6	5	–	–	10	10	1500	3	*
Hartland Point	23·4	+12	NE	5	c	34	75	27	7	8	–	–	9	9	1500	1	4
Bristol	23·6	+10	ENE	4	z_0	31	85	28	5	5	–	–	10	10	3000	1	*
Portland Bill	21·0	+10	NE	4	o	33	85	30	7	5	–	–	10	10	2500	1	4
Plymouth	23·5	+16	NE'E	4	bc	32	85	27	7	5	3	–	2-3	4-6	3000	1	3
The Lizard	23·1	+10	NNE	5	c	33	65	32	5	8	2	–	9	10	1500	0	4
Scilly (St. Mary's)	23·1	+16	NE'E	5	c	37	65	32	6	5	4	–	7-8	10	1200	1	4
Guernsey																	
Pembroke	26·1	+16	NE	4	bc	34	85	28	7	2	4	1	2-3	4-6	2500	1	3
Holyhead	27·3	+14	NNE	3	bc	33	92	31	8	2	–	–	2-3	2-3	3000	1	3
Chester (Sealand)	26·9	+14	NW	3	z_0	30	97	30	5	5	7	–	4-6	9	2000	1	*
Manchester	26·1	+10	NNW	2	z_0	29	92	27	5	5	3	–	4-6	4-6	2500	4	*
Spurn Head	22·8	+6	NNE	6	psh	34	97	33	7	8	–	–	10	10	1500	8	5
Catterick	26·5	+4	NNW	3	z_0	30	92	29	6	5	3	–	7-8	9+	1800	9	*
Tynemouth	26·5	+2	NE	4	c/ps	36	75	29	6	8	–	–	9+	9+	1500	8	4
St. Abbs Head	26·9	+2	N	6	cq	35	92	32	7	8	2	–	7-8	10	1500	4	4
Leuchars	29·9	+8	WNW	1	z_0	33	92	31	6	5	–	–	10	10	1800	8	*
Renfrew (Abbots I.)	30·8	+6	W	2	z_0	28	97	27	6	5	3	–	2-3	9	2500	8	*
Eskdalemuir	29·5	+12	N'W	4	is_0	28	75	20	6	5	–	–	9	9	900	9	*
Point of Ayre	29·3	+10	NE	4	c	34	97	33	8	5	4	–	2-3	9	2500	0	4
Tiree	30·1	+2	–	0	c	32	75	32	8	5	–	–	9	9	3500	3	2
Stornoway	31·6	0	WSW	2	c	32	85	30	7	5	7	–	7-8	9+	2500	1	1
Dalwhinnie	32·9	+4	–	0	c	24	85	21	8	5	3	–	4-6	9+	2500	8	*
Aberdeen	29·2	+6	NW	4	ps	30	97	29	7	8	3	–	4-6	9	1700	9	4
Wick	30·2	+4	W	2	c	28	85	25	8	–	3	–	0	7-8	–	7	*
Sumburgh	27·8	–6	N	2	c	34	85	31	8	8	–	–	9	9	2500	3	3
Blacksod Point	31·6	+12	N'E	4	bc	36	65	25	8	–	–	9	0	4-6	–	0	4
Malin Head	31·2	+8	E	1	c	36	65	25	8	4	7	–	2-3	7-8	4000	1	3
Aldergrove	31·6	+14	N	1	c	32	75	26	8	5	3	–	7-8	9	4000	1	*
Birr Castle	30·1	+22	NE	2	c	31	85	27	8	5	–	–	7-8	7-8	4000	1	*
Valentia Obsy.	29·2	+22	NE'E	4	c	39	75	32	7	5	–	–	7-8	7-8	4000	1	3
Roches Point	28·7	+22	NE	3	c	37	65	26	7	5	–	–	9+	9+	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 4th Hrs. (38)
London (Kew)	37	30	28	–	Tr	0·0
Croydon	37	29	28	Tr	Tr	0·0
S. Farnborough	39	30	29	Tr	Tr	0·5
Boscombe Down	42	29	28	0·1	0·2	0·0
Thorney Island	43	30	28	Tr	Tr	*
Lympne	36	29	29	Tr	0·3	0·0
Manston	36	30	28	0·2	2	0·0
Shoeburyness	33	29	29	0·2	Tr	0·0
Felixstowe	35	29	28	0·2	Tr	0·0
Gorleston	33	32	29	Tr	Tr	*
Mildenhall	34	30	27	0·1	0·2	0·0
Cranwell	33	29	29	0·4	0·5	0·0
Birmingham	36	28	28	1	Tr	0·0
Upper Heyford	35	29	29	Tr	0·5	*
Ross-on-Wye	43	31	29	1	Tr	0·0
Hartland Point	46	33	33	0·3	0·1	0·1
Bristol	44	30	29	0·4	Tr	0·0
Portland Bill	48	31	*	1	–	*
Plymouth	48	31	28	0·1	Tr	*
The Lizard	51	30	*	1	–	2·6
Scilly (St. Mary's)	51	37	*	0·6	–	1·5
Guernsey						
Pembroke	48	30	*	Tr	–	*
Holyhead	46	33	30	Tr	–	*
Chester (Sealand)	40	34	28	Tr	0·6	0·0
Manchester	36	28	26	3	0·1	*
Spurn Head	35	30	*	0·4	1	0·8
Catterick	33	27	27	1	1	0·0
Tynemouth	36	31	30	0·5	0·4	*
St. Abbs Head	35	32	*	0·6	Tr	
Leuchars	36	28	23	1	0·4	0·0
Renfrew (Abbots I.)	36	26	22	0·3	–	0·0
Eskdalemuir	33	23	22	1	0·3	0·0
Point of Ayre	39	33	*	4	–	0·0
Tiree	46	32	*	3	–	0·0
Stornoway	38	32	*	Tr	–	0·8
Dalwhinnie	32	11	9	–	–	0·0
Aberdeen	34	27	26	6	4	0·3
Wick	35	26	24	0·4	–	*
Sumburgh	36	33	25	Tr	–	6·2
Blacksod Point	48	34	*	Tr	–	*
Malin Head	48	32	*	0·6	–	0·0
Aldergrove	45	29	24	0·6	–	0·0
Birr Castle	48	30	27	0·3	0·1	*
Valentia Obsy.	49	36	30	Tr	Tr	0·0
Roches Point	51	36	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 4th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	8-	10856	06486	40	00851	04111				5-	02867	28427
115				57	02834	12386	51	02954	20227	55	02844	20327
203	70	02835	08525	70	01834	08414	51	02944	08308			
206	5-	02848	08478	8-	02856	08288	00	01890	20385	54	01954	24224
210	52	72634	08478	96	88645	10287	53	-----	12226	53	01863	20324
220	62	64636	11368	80	03647	10417				51	02753	10105
230	57	23756	08378	8-	02855	08315	00	01890	10214	50	00790	08113
245	8-	78648	06478	8-	27767	04287	5-	02777	30287	2-	87648	31388
260				5-	77348	06478	03	01790	00082	5-	05558	00018
278	67	13651	10378	53	02764	07375	03	01890	02413	03	01890	02424
279	57	71645	71645	5-	05656	04426	53	01753	04485	5-	02856	29416
285	02	72528	08578							02	72528	04478
288	57	24647	07378	52	23545	06378	5-	05657	37487	5-	05557	32387
575	8-	22855	28265	62	22645	08368	57	02763	06327	53	02851	00026
301				57	05664	08326	5-	05656	04226	5-	08458	31308
321				02	05658	32378	57	71755	01477	5-	72658	01478
299	80	26536	04576	80	05648	06618	80	01746	04626	5-	02748	04628
292	5-	78548	04378	5-	02658	03428	5-	02846	01476	5-	02767	29477
310												
614	57	05655	04478	62	71454	04478	5-	71558	02378	5-	71568	35478

III	13h. G.M.T. 4th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	02648	06388	53	02654	04325	04	00790	04212	54	017[illegible]3	02314
334	--	04447	04128	--	04337	04228				--	01653	02214
340	5-	71544	06278	5-	23548	04278	5-	52768	02328	53	05663	32325
136				8-	26668	04488	5-	87658	02488	5-	26768	02488
336	--	67209	28369	--	46209	12349				54	01754	26415
350				5-	71538	01478	5-	05658	35578	5-	71648	65578
368	62	62535	04468	52	24436	07468	5-	05548	02428	53	05564	03327
379	5-	05648	04378	5-	05658	37478	5-	05658	35578	5-	71648	35578
390	52	71646	36478	04	05590	02373	5-	05558	35428	5-	71558	65478
382	53	05646	03317	52	05546	02328	5-	51658	03428	62	71755	01478
438	5-	02548	32328							80	02548	32528
430	5-	05548	34468	5-	05547	02328	5-	05558	37528	5-	71566	02578
409	23	25845	31356	8-	81727	02387	5-	05658	02428	50	05665	08525

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 5th.
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.	cz.	$cz_0s_0cz_0$
Croydon ...	c	cmshcm	cmid,is_0
Greenwich ...	c	cs_0c	cs_0s
Camden Square	o	c	*
Kensington ...	oc	o	*
Hampstead ...	of	oxs	oxs

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·1 Time 7-20h 4th. Min. <0·1 Time 3-5h 5th.

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 ...	37	30	28	–	Tr	0·0	*	*
Croydon ...	37	29	28	Tr	Tr	0·0	*	*
Greenwich ...	34	29	26	Tr	Tr	0·0	71	81
Westminster ...	36	31	29	0·2			78	95
Regents Park ...	34	30	27	–	Tr		75	
Camden Square	34	30		–	Tr	*	*	83
Kensington ...	36	35	28	*	0·1		82	91
Hampstead ...	33	28	24	*	0·1		*	

Page 1 **BRITISH SECTION**

SECRET

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

Friday 6th February 1942

No. 29296

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)	21.4	-2	N	4	SoSo	33	75	28	6	6	2	-	10	10	1500
	Croydon	21.3	-2	N	5	SoSo	31	97	30	4	6	2	-	9	10	1000
	S. Farnborough	22.2	-4	N	4	SoSo	32	85	27	6	5	2	-	7-8	10	800
	Boscombe Down	23.6	-6	N'E	4	SoSo	31	85	27	6	5	2	-	7-8	10	1200
	Thorney Island	21.3	0	NNE	4	SoSo	33	92	31	6	5	-	-	10	10	4000
	Lympne	19.1	0	N	5	SS	30	92	28	5	5	-	-	10	10	800
	Manston	18.5	-14	N'E	6	SS	32	97	32	3	5	-	-	10	10	100
2	Shoeburyness	20.3	-2	N'E	5	SoSo	33	85	28	6	5	2	-	7-8	10	1500
	Felixstowe	20.0	0	NE'N	5	SoSo	33	75	26	6	6	2	-	9	10	1100
	Gorleston			NE'N	6	iSo	33	85	29	6	6	-	-	10	10	1500
	Mildenhall	22.1	+4	N'E	4	sh	32	92	29	6	5	-	-	10	10	1000
	Cranwell	24.8	+2	N	4	SoSo	31	97	31	6	5	-	-	10	10	1700
3	Birmingham	25.0	0	NNE	3	°/S	32	75	25	4	5	-	-	10	10	1500
	Upper Heyford	23.5	2	N	4	SoSo	31	97	31	5	6	2	-	7-8	10	1000
4	Ross-on-Wye	25.0	0	N'E	4	zo	35	75	25	6	1	-	-	4-6	4-6	3500
5	Hartland Point	25.6	+4	NE	5	c	35	65	24	8	7	-	8	7-8	9	2000
	Bristol	24.7	-2	NNE	4	iSo	34	85	30	5	5	7	-	7-8	9+	1200
	Portland Bill	22.5	+6	NE	4	c	35	85	32	7	5	4	-	4-6	10	4000
	Plymouth	24.9	0	NNE	4	c	36	85	32	8	8	-	-	9	9	2500
	The Lizard	24.7	+2	NNE	5	bc	36	65	22	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	25.6	+2	NE	5	c	38	75	30	8	8	-	-	9	9	1500
	Guernsey															
6	Pembroke	28.2	+12	NE'N	5	bc/ps	38	75	30	8	2	6	-	2-3	4-6	2500
7	Holyhead	28.3	-2	N	5	bc	38	75	30	8	2	3	2	2-3	4-6	3000
	Chester (Sealand)	27.6	-2	N'W	3	zo	37	65	27	6	5	4	-	Tr	1	6000
8	Manchester	26.0	+8	N'E	4	zo	34	92	33	5	2	-	5	4-6	7-8	2500
10	Spurn Head	24.2	+2	NE	5	iSo	33	85	29	7	8	7	-	7-8	10	1500
	Catterick	27.8	+2	N	3	c/ps	32	97	32	4	9	-	-	7-8	9	600
	Tynemouth	27.5	-4	ENE	5	bc/ps	36	75	30	8	2	3	-	4-6	4-6	2500
11	St. Abbs Head	29.1	+10	NNE	2	c/ps	33	92	32	8	8	7	-	7-8	10	2000
	Leuchars	29.7	-6	WNW	2	c	35	75	27	7	7	-	-	4-6	4-6	4500
12	Renfrew (Abbots I.)	30.9	-2	WNW	1	zo	35	65	25	6	5	-	-	9+	9+	5000
	Eskdalemuir	29.6	0	N	5	ps	31	65	21	8	5	-	-	9	9	1100
	Point of Ayre	29.9	-2	NE'N	4	bc	37	75	29	9	1	4	6	1	4-6	2500
13A	Tiree	30.1	0	NW'W	1	c	39	65	32	8	5	-	-	9	9	3500
13B	Stornoway	29.4	-14	SW	4	c	38	92	35	8	5	7	-	7-8	10	2500
15	Dalwhinnie	30.4	-2	NNE	1	c	30	85	27	8	7	5	-	4-6	9+	4000
	Aberdeen	29.1	-6	N'W	3	bc	33	65	24	7	8	3	-	4-6	4-6	2100
	Wick	28.3	-12	W'S	2	c	35	75	28	8	-	7	-	0	9+	-
16	Sumburgh	25.2	-20	WSW	3	c	42	75	35	8	5	7	-	7-8	9+	2500
17	Blacksod Point	33.0	-2	-	0	c	38	75	31	8	-	7	-	0	9+	-
18	Malin Head	32.2	0	S	1	c	38	65	27	8	8	-	2	4-6	7-8	5700
	Aldergrove	31.9	-2	NNW	1	c	38	65	26	8	1	4	8	1	9	2500
19	Birr Castle	31.8	+6	ENE	2	c	38	65	27	8	-	-	5	0	9	-
20	Valentia Obsy.	31.9	+8	NE'E	3	c	39	65	28	8	1	7	2	Tr	9+	2500
	Roches Point	31.0	+8	NE'E	4	c	39	65	29	8	5	-	5	4-6	7-8	4000

OBSERVATIONS at 18h. G.M.T. 5th 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. 5th (39)	Weather 13h.–18h. 5th (40)	Weather 18h. 5th – 1h. 6th (41)	Weather 1h.–7h. 6th (42)
London (Kew)	22.8	+12	N'E	5	iSo	32	85	27	5	6	2	-	9	10	1500	4	*	cSoSomo	cSoiSomo	cSoro	ciSoro
Croydon	21.9	+6	NE'N	4	SoSo	31	92	28	4	6	-	-	10	10	1300	8	*	cmoSSo	cmSoSo	S	cmoSoSo
S. Farnborough	23.0	+12	NE'N	4	sh	32	85	27	6	5	2	-	9	10	1700		*	iSSSzoc	cSoSozomozSomc	iSo	iSoSoSoC
Boscombe Down	24.3	+10	N'E	4	SoSo	31	85	28	6	5	2	-	9+	10	1500	8	*	cSoSomo	cSoSomo	ciSoemo	cmoiSocm
Thorney Island	22.1	+8	N'E	4	iSo	33	85	29	7	5	7	-	7-8	10	1300	1	*	cmoSoSo	cSoSoiSo	ciSomoO	OSohoSoSo
Lympne	20.5	+14	NNE	4	Sf	31	97	31	3	-	-	-	10	10	<150	8	§	mshSoS	mSSfS	ofmSoSo	omoSoSo
Manston	19.6	+12	N'E	6	SS	31	97	31	4	5	-	-	10	10	600	8	*	cSSSoSoSSf	SSSoSoSS	SSrSSSSoSo	cSoSomo
Shoeburyness	21.5	+10	N	4	iSo	32	85	29	7	5	-	-	10	10	1500	4	*	iSohSoSomo	cSoSSmiSoo	OiSocmo	cmo
Felixstowe	21.3	+10	NNE	4	sh	32	75	24	6	5	-	-	10	10	1600	8	4	SoSo mo	cSoSoShmo	OSh SoSo	OiSohoc
Gorleston	22.1	+12	NE	6	°/ps	32	85	30	6	8	-	-	10	10	1500	5			OrSocq	ciSo	cpSoc
Mildenhall	23.2	+12	N	6	sh	32	97	31	7	5	-	-	10	10	1500	8	*	cSoSo	cSoho	ciSocmo	ciSohomo
Cranwell	26.0	+8	N	3	iSo	31	97	31	6	5	-	-	10	10	2000	8	*	cmoSoSo	cmoSo	cmo	cmo
Birmingham	26.2	+10	NNE	3	osf	32	75	26	3	6	-	-	10	10	800	4	*	ciSo	cbcpSof		f
Upper Heyford	24.6	+4	NNE	4	/Sh	30	97	30	6	5	2	-	9	10	1500	4	*	SSSoSoSomo	SoSoShmo	cshcmo	cbcmomo
Ross-on-Wye	25.6	+6	N	3	zo	34	75	25	6	8	-	-	10	10	2500	1	*	cpSoc	cgpSoc	cbcc	cbcc
Hartland Point	25.3	+2	NE	5	c	36	55	21	8	8	-	-	7-8	7-8	2000	1	5	cbc	cbciShy	c	cbc
Bristol	25.5	+8	NE	3	c/s	33	97	32	5	5	7	-	4-6	9+	2000	2	*	cmoiSo	cSoSomo	cSocmo	cmomf
Portland Bill	23.1	+4	N	4	c	34	85	31	7	5	-	-	10	10	2600	1	4	c	c	oc	c
Plymouth	25.3	+6	NE	4	zo	35	85	32	6	7	-	-	7-8	7-8	3000	0	3	croSobc	bcpSoc	cmo	cmocb
The Lizard	25.5	+8	NNE	4	c	35	92	32	8	8	2	-	7-8	9+	1500	0	3	cbc	bcc	c	cbc
Scilly (St. Mary's)	25.7	+2	NE	5	ojp	39	55	24	8	8	-	-	10	10	1500	1	4	c	cy	cpoc	cbcc
Guernsey																					
Pembroke	27.9	+2	NE'N	4	c	37	75	29	8	8	-	-	9	9	2500	1	3	bcps	bcc	bc	bcc
Holyhead	28.6	+4	N'E	4	c	36	85	31	8	8	-	5	2-3	4-6	2600	1	3	bxcPs	bc	bcc	c
Chester (Sealand)	28.1	+6	N'W	3	m	34	75	29	4	5	-	-	2-3	2-3	2000	1	*	iSobczo	bczo	b,cmx	cbcmozo
Manchester	27.8	+10	N	3	m	32	92	30	4	4	-	-	4-6	4-6	2800	0	*	pSSoSo	bcPS	bccm	bcm
Spurn Head	25.7	+6	NE	5	.o	33	92	31	7	5	-	-	10	10	1500	3	4	op Soc	cpSoc	o	c
Catterick	28.5	+10	NW	2	zo	30	75	24	5	5	3	-	4-6	9	2500	7	*	cmufpsm	fbcmocmo	cmo	cmo
Tynemouth	28.4	+6	NNE	4	bc	36	65	25	8	2	3	-	2-3	4-6	3000	8	4	cbcps	bcs	cpSoc	bcc
St. Abbs Head	28.4	-2	NW'W	3	c	34	75	25	8	5	4	-	4-6	9	2000	4	3	cqpsc	c	cbcc	c
Leuchars	28.6	-6	WSW	2	c	33	85	29	7	5	3	6	4-6	9+	4500	8	*	cmopoSc	cbcc	cbccmo	cmo
Renfrew (Abbots I.)	29.4	-10	W	2	zo	33	85	29	5	5	-	-	10	10	4000	8	*	cmozo	czomo	mofmSoSoc	cmiSocl
Eskdalemuir	29.6	0	N'W	2	bc	29	65	20	7	5	-	1	4-6	4-6	2100	9	*	cbcpSo	pSo	bcco	o
Point of Ayre	29.8	0	NE'N	3	c	37	75	32	8	4	4	-	Tr	7-8	4000	0	3	cbc	bccbc	cbcc	c
Tiree	27.9	-6	SSW	1	rs	36	97	36	7	-	2	-	10	10	1500	0	2	c	orSo	orosr	odoc
Stornoway	25.2	-20	SSW	5	rr	37	97	37	7	8	2	-	7-8	10	1500	1	3	c	crr	c	c
Dalwhinnie	29.8	-8	N	1	o	28	85	24	8	5	-	-	10	10	2500	8	*	c	co		gps
Aberdeen	27.7	-14	SW'S	2	cf+	32	65	22	2	-	3	-	0	9+	-	9	3	cpsmobc	bczocf	cf	cf
Wick	25.2	-21	SW	2	c	35	85	31	8	5	2	-	4-6	10	4000	4	*	cbcc	ciSoc	dodorSod	dddodf
Sumburgh	22.4	-16	WSW	4	roro	42	92	40	7	6	2	-	9+	10	1000	1	4	c	ciroc	cmororodo	cmododo
Blacksod Point	32.4	-2	-	0	9/r	39	85	36	7	5	-	-	10	10	800	1	1	c	OiSoSororo	r	r
Malin Head	30.2	-10	W	1	9/pr	37	92	35	7	9	-	-	9	9	2500	0	2	c	c	d	d
Aldergrove	31.4	-2	NW'N	2	c	35	75	25	7	5	7	6	1	10	7200	1	*	c	c	cofSoSo	fSoFSodod
Birr Castle	31.6	+2	NNW	2	c	35	75	28	8	5	1	-	4-6	10	2500	1	*	c	c	*	rs
Valentia Obsy.	31.9	+2	-	0	bc	35	75	28	9	5	3	-	4-6	4-6	4000	1	1	c	c	c	r
Roches Point	31.0	+2	NE	4	c	37	65	25	8	5	3	-	2-3	7-8	2500	1	4	c	c	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 6th February 1942.

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate northeast wind, becoming variable; cloudy at first with occasional snow near east coast; clear intervals later; frost day and night.
3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Light variable winds; clear intervals at first, cloudy later with slight snow locally; local fog; frost day and night.
8 N.W. England; 9 N. Midlands; 10 N.E. England	Light variable or north wind; cloudy; occasional snow or sleet; cold but temperature rising a little.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light north or variable wind; dull; local fog; temperature rising a little with a very slow thaw in places.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light north wind backing northwest, moderate; cloudy, occasional rain; local fog; thaw conditions.
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 northwest or north wind; cloudy; occasional rain; average temperature

GENERAL INFERENCE

An elongated trough of low pressure extending from Northeast Scotland to Southwest Ireland is moving slowly southeast.

In the North there will be much cloud with a slow thaw but over most of England and Wales cold weather will continue with snow locally. -

FURTHER OUTLOOK

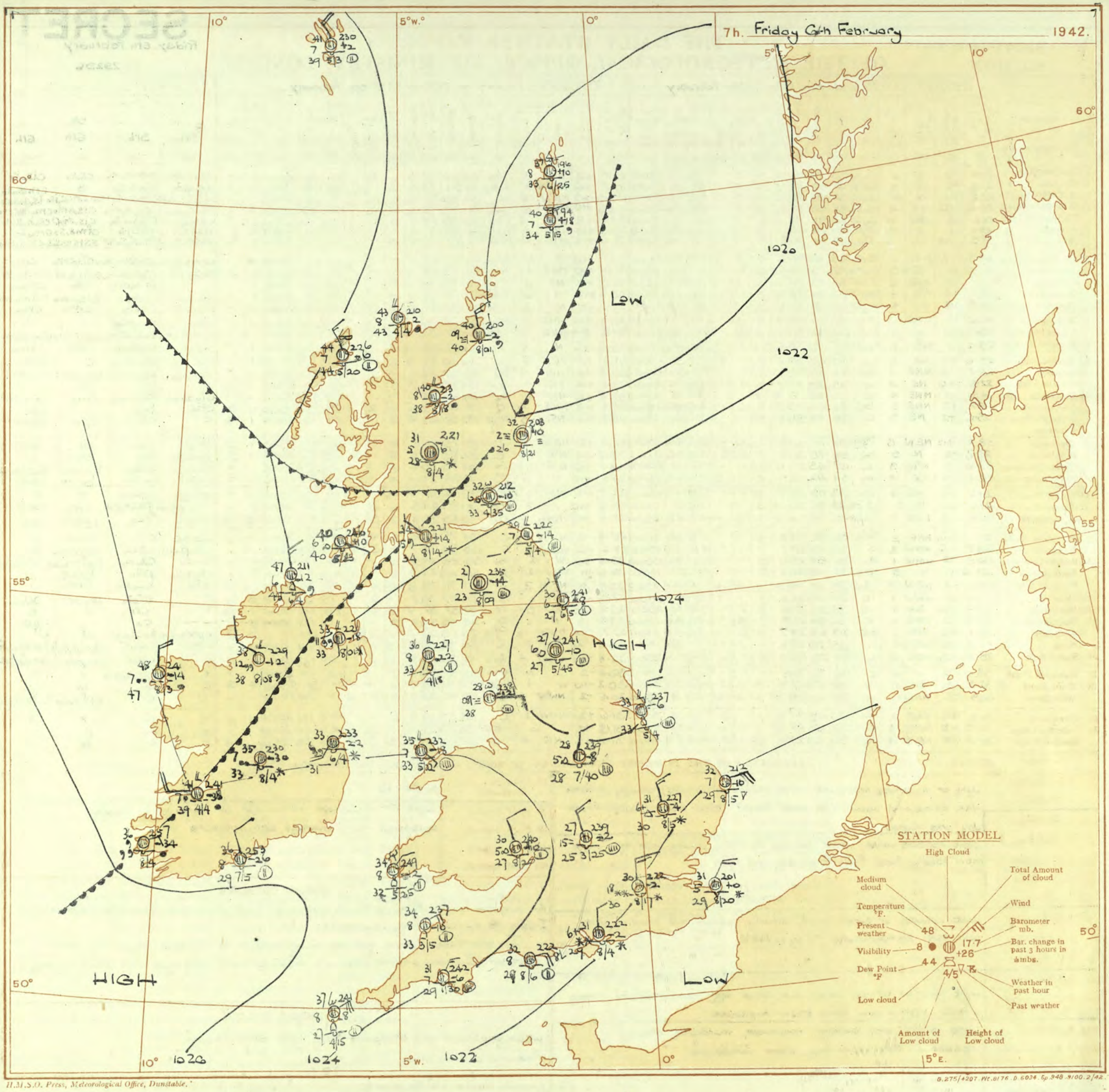
Cold in the South and Midlands with light snow locally.

Probably a slow thaw in the North

Forecasts issued at 10.30 G.M.T.

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

7h. Friday 6th February 1942.



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

B.275/4207. Wt.8176. D.6024. 6p.948. 9100. 2/42.

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).

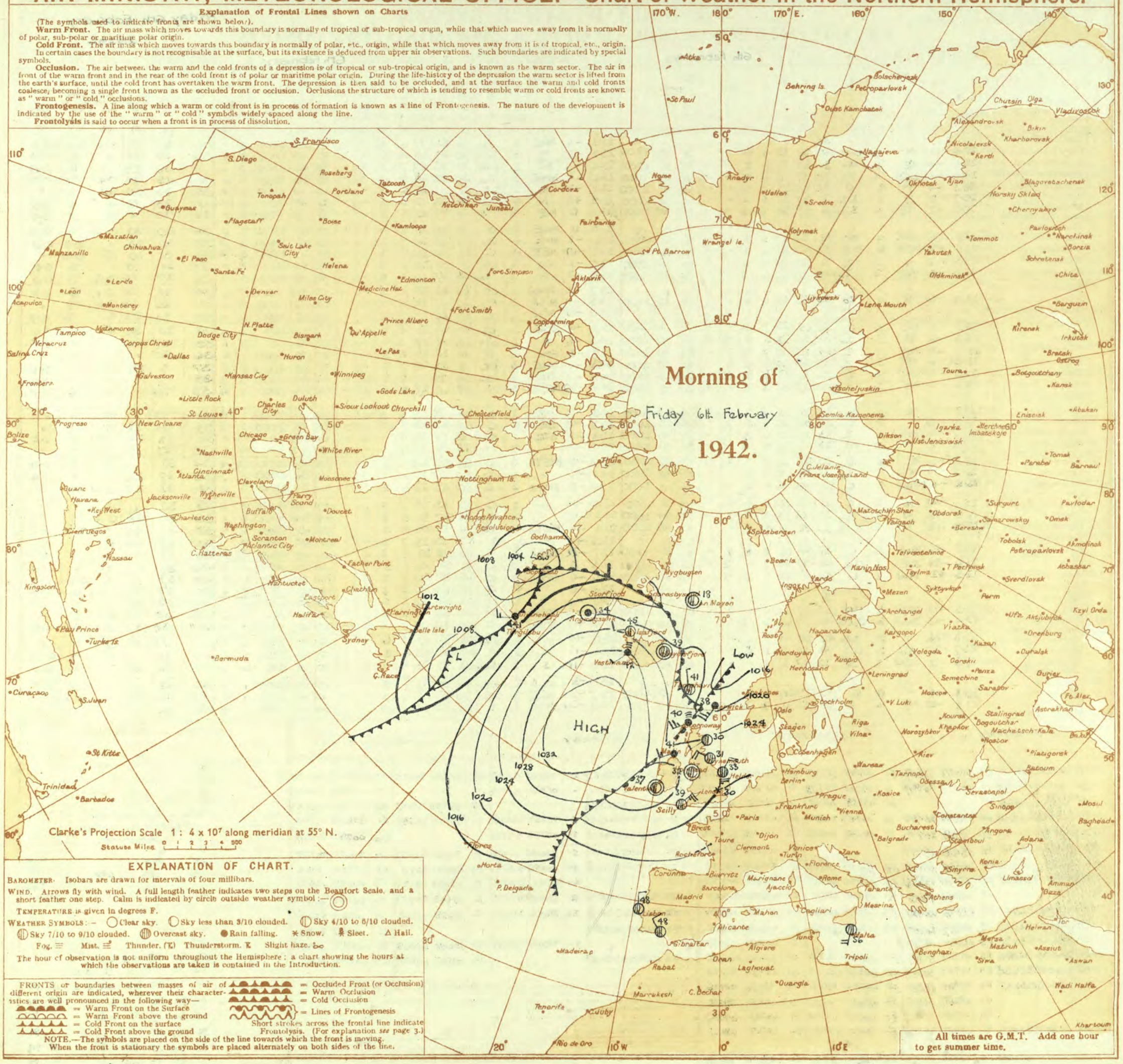
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 6th February 1942

No. 28296

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)	°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	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon ...	217	22·4	0	N	5	S₀S₀	30	92	29	4	6	–	–	9	10	1800
	S. Farnborough	226	23·1	–4	N'E	4	i S₀	31	85	26	6	5	–	–	10	10	1700
	Boscombe Down	417	24·1	–4	NE'N	4	Z₀	30	85	26	6	5	–	–	10	10	1700
	Thorney Island	10	22·3	–4	N	4	O	32	85	27	7	5	–	–	10	10	2200
	Lympne ...	346	20·7	0	N	4	S₀S₀	31	97	31	4	5	–	–	10	10	1200
	Manston ...	154	20·2	–2	NE	4	S₀S₀	31	97	30	5	5	–	–	10	10	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	21·7	0	NNE	4	sh	32	85	27	8	5	–	–	10	10	1800
	Gorleston ...	5	22·3	+2	NE'E	6	c/s	33	85	30	6	8	–	–	10	10	1500
	Mildenhall ...	19	23·3	–2	N	3	Z₀	31	85	28	6	5	–	–	10	10	2900
	Cranwell ...	240	25·4	–4	N'E	2	Z₀	30	97	30	6	5	–	–	10	10	3500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·5	–6	N	4	Z₀	30	85	24	6	5	–	–	10	10	3100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·3	–4	NE	5	c	35	65	23	7	8	–	–	9+	9+	2500
	Bristol ...	209	25·3	–6	N	5	Z₀	32	85	29	5	5	–	–	10	10	4000
	Portland Bill ...	32	23·1	–2	NE	4	c	34	85	30	7	5	7	–	7-8	10	2500
	Plymouth ...	82	25·0	–6	NE	3	Z₀	35	85	30	6	5	–	–	10	10	3000
	The Lizard ...	240	24·3	–8	NNE	4	c	35	65	22	7	8	2	–	7-8	9+	1500
	Scilly (St. Mary's)	163	25·4	–6	NE	5	c	39	97	38	8	8	–	–	9	9	1500
	Guernsey ...	175															
6	Pembroke ...	142	28·2	0	NE	4	bc	34	75	28	8	2	–	–	2-3	2-3	4000
7	Holyhead ...	26	26·9	–16	–	0	c	32	92	30	7	5	7	–	4-6	10	2500
	Chester (Sealand)	16	26·7	–14	NNW	2	Z₀	33	85	29	6	5	–	–	10	10	5400
8	Manchester ...	235	27·2	–6	–	0	m	29	92	27	4	5	–	–	9+	9+	5000
10	Spurn Head ...	29	25·3	–6	NE	4	O	33	97	32	7	–	2	–	10	10	1500
	Catterick ...	175	26·5	–14	N'W	2	Z₀	32	97	30	5	5	–	–	10	10	2200
	Tynemouth ...	108	26·8	–4	NNW	4	c	31	85	25	6	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	25·1	–20	W	2	c	33	85	30	7	4	4	–	4-6	9	1500
	Leuchars ...	36	24·9	–18	W	1	Z₀	30	85	28	5	5	7	–	7-8	9+	2800
12	Renfrew (Abbots I.)	19	25·9	–18	W	2	O/s	33	92	31	4	5	–	–	10	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	27·2	–16	NW	2	c	37	85	32	8	8	7	–	Tr	9+	1800
13A	Tiree	22	21·6	–24	SSE	2	dd	44	97	44	7	–	2	–	10	10	1500
13B	Stornoway ...	80	22·3	+2	NW	2	c	44	97	44	7	5	7	–	7-8	10	2700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Wick ...	119	21·5	–10	SSW	3	dd	35	97	34	5	–	2	–	10	10	1200
16	Sumburgh ..	30	19·4	–18	SWW	6	d₀d₀	41	97	40	6	5	–	–	10	10	1000
17	Blacksod Point	18	27·3	–26	–	0	r₀r₀	43	92	41	7	6	–	–	10	10	800
18	Malin Head ...	84	23·7	–30	SW	3	dd	41	97	41	5	3	–	–	9+	9+	450
	Aldergrove ...	268	27·3	–22	SSW	2	sf	32	97	32	1	–	–	–	10	10	150
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	30·8	–14	–	0	c	37	75	30	8	5	–	–	10	10	4000
	Roches Point	22	29·8	–10	N'E	4	c	35	85	31	8	5	–	–	7-8	7-8	2500

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)	°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)	22·2	–4	NNE	3	i S₀	31	85	27	6	5	2	–	9	10	2500	4	*
	Croydon ...	22·2	–2	N	3	S₀S₀	30	97	30	4	6	–	–	10	10	1700	8	*
	S. Farnborough	22·4	–2	N'E	2	S₀S₀	31	85	27	7	5	–	–	10	10	2500	3	*
	Boscombe Down	23·6	–4	NNE	3	Z₀	30	75	24	6	5	–	–	10	10	2500	4	*
	Thorney Island	22·2	–2	N	2	S₀S₀	31	92	29	6	5	–	–	10	10	1500	3	*
	Lympne ...	20·9	+2	N	4	o/s	30	85	27	6	5	–	–	10	10	700	8	§ 4
	Manston ...	20·1	0	N'E	4	o/s	31	92	29	5	5	–	–	10	10	2000	9	*
2	Shoeburyness ...	21·5	0	NNE	3	O	31	75	26	6	5	–	–	10	10	2800	8	*
	Felixstowe ...	21·3	–2	NNE	4	Z₀	32	65	21	7	5	–	–	10	10	2400	8	3
	Gorleston ...	21·2	–10	NE'E	4	c	32	85	29	7	5	–	–	10	10	2500	5	5
	Mildenhall ...	22·7	–4	N'W	3	sh	31	92	30	6	5	–	–	10	10	2500	8	*
	Cranwell ...	23·9	–8	N	2	Z₀	28	97	28	5	5	–	–	9+	9+	4000	8	*
3	Birmingham ...	23·7	–8	NNW	1	of	29	85	25	2	5	–	–	10	10	800	4	*
	Upper Heyford	23·9	–2	N'W	3	m	27	97	25	4	5	–	–	2-3	2-3	2500	8	*
4	Ross-on-Wye	24·0	–10	N'W	2	Z₀	30	85	27	5	5	–	–	10	10	2000	3	*
5	Hartland Point	23·7	–10	ENE	3	bc	34	65	33	8	2	4	–	2-3	4-6	2500	3	4
	Bristol ...	24·3	–6	N	2	bf+	28	97	27	3	–	–	1	0	Tr	–	3	*
	Portland Bill ...	22·2	–8	ENE	4	O	32	85	29	8	5	–	–	10	10	4000	1	4
	Plymouth ...	24·3	–6	NNE	3	bc	31	85	29	7	5	–	–	Tr	4-6	4000	0	3
	The Lizard ...	24·5	–2	NE	4	bc	34	85	32	8	8	6	–	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	24·1	–30	NE'E	5	c	37	65	27	8	8	5	–	4-6	7-8	1500	1	4
	Guernsey ...																	
6	Pembroke ...	24·9	–12	NE	2	c	34	75	33	8	8	6	–	7-8	9+	2500	1	4
7	Holyhead ...	23·2	–18	SE	1	c	35	92	33	7	5	2	–	7-8	10	2200	1	2
	Chester (Sealand)	23·8	–14	SSE	1	m	28	92	26	4	–	3	–	0	4-6	–	3	*
8	Manchester ...	24·1	–14	–	0	m	28	97	27	4	–	–	5	0	2-3	–	4	*
10	Spurn Head ...	23·7	–6	NE'N	3	c	33	97	33	7	8	2	–	7-8	10	1500	3	4
	Catterick ...	24·1	–10	–	0	Z₀	27	97	27	6	5	4	–	7-8	7-8	4500	8	*
	Tynemouth ...	24·1	–8	NNW	3	c	30	85	27	6	5	–	–	9	9	2500	8	4
11	St. Abbs Head	22·0	–14	SW	2	c	29	85	25	7	5	2	–	7-8	10	1500	4	2
	Leuchars ...	21·2	–10	–	0	Z₀	32	97	31	6	5	3	–	4-6	7-8	3500	8	*
12	Renfrew (Abbots I.)	22·1	–14	NW'W	1	id₀	34	97	34	4	5	–	–	10	10	1500	6	*
	Eskdalemuir ...	23·5	–14	–	0	O	27	85	23	7	5	–	–	10	10	900	9	*
	Point of Ayre ...	22·7	–22	SSW	2	c	36	92	33	8	8	2	–	4-6	10	1800	0	2
13A	Tiree	21·5	0	–	0	c	41	97	41	7	5	–	–	9+	9+	1800	1	3
13B	Stornoway ...	22·6	–6	NNW	3	c	44	97	44	7	5	7	–	7-8	9+	2000	1	1
15	Dalwhinnie ...	22·1	–6	–	0	O	31	85	28	5	5	–	–	10	10	1500	8	*
	Aberdeen ...	20·3	–10	–	0	of	32	85	26	2	5	–	–	10	10	2100	9	*
	Wick ...	20·0	–2	NNW	3	of	40	97	40	3	5	–	–	10	10	100	4	*
16	Sumburgh ..	19·4	+18	NNE	3	c	40	85	34	7	5	7	–	7-8	10	1500	1	4
17	Blacksod Point	24·0	–14	N	4	r₀r₀	48	97	47	7	6	–	–	10	10	800	1	4
18	Malin Head ...	21·1	–12	N	3	c	47	92	45	6	8	–	–	9	9	1500	1	2
	Aldergrove ...	22·0	–18	S	2	d₀d₀	33	97	33	4	–	2	–	10	10	100	6	*
19	Birr Castle ...	23·0	–30	SSW	2	r₀r₀	35	92	33	7	5	–	–	10	10	1500	1	*
20	Valentia Obsy.	25·7	–34	NE'E	2	dd	36	97	35	6	5	–	–	10	10	1500	1	2
	Roches Point	25·3	–26	NW	2	c	36	75	29	8	5	–	–	9+	9+	2500	1	3

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 Hrs. (38)
1	London (Kew)	33	30	29	0·2	0·1	0·0
	Croydon ...	32	30	29	1	3	0·0
	S. Farnborough		30	29		Tr	0·0
	Boscombe Down	31	29	28	0·4	Tr	0·0
	Thorney Island	35	30	30	Tr	Tr	*
	Lympne ...	32	29	29	4	4	0·0
	Manston ...	32	29	*	11	*	0·0
2	Shoeburyness ...	34	30	30	0·6	Tr	0·0
	Felixstowe ...	33	30	29	1	0·2	0·0
	Gorleston ...	34	31	30	Tr	0·3	*
	Mildenhall ...	33	31	29	1	Tr	0·0
	Cranwell ...	33	27	25	0·3	Tr	0·0
3	Birmingham ...	34	28	24	0·1	Tr	1·3
	Upper Heyford	31	26	23	0·2	Tr	*
4	Ross-on-Wye	35	29	23	Tr	Tr	0·7
5	Hartland Point	37	29	30	Tr	–	2·0
	Bristol ...	35	27	21	Tr	–	0·5
	Portland Bill ...	36	30	*	–	–	*
	Plymouth ...	37	31	25	Tr	–	0·0
	The Lizard ...	38	30	*	–	–	5·3
	Scilly (St. Mary's)	39	36	*	–	Tr	0·9
	Guernsey ...						
6	Pembroke ...	40	29	*	Tr	–	6·4
7	Holyhead ...	39	31	28	Tr	–	*
	Chester (Sealand)	38	28	23	Tr	–	2·8
8	Manchester ...	35	27	19	0·2	–	*
10	Spurn Head ...	34	32	*	Tr	Tr	0·0
	Catterick ...	33	27	26	1	–	3·4
	Tynemouth ...	37	29	28	0·4	0·1	*
11	St. Abbs Head	35	35	*	2	–	*
	Leuchars ...	35	30	28	0·4	–	1·7
12	Renfrew (Abbots I.)	37	32	30	–	0·4	0·7
	Eskdalemuir ...	32	23	22	Tr	–	3·1
	Point of Ayre ...	38	32	*	–	–	3·7
13A	Tiree	39	36	*	Tr	4	0·0
13B	Stornoway ...	38	37	*	2	0·6	0·0
15	Dalwhinnie ...	30	27	27	–	2	0·2
	Aberdeen ...	34	30	26	1	–	2·3
	Wick ...	36	33		0·1	2	*
16	Sumburgh ..	43	39	37	0·1	1	0·0
17	Blacksod Point	41	38	*	Tr	–	*
18	Malin Head ...	39	36		Tr	5	0·0
	Aldergrove ...	38	32	31	–	4	3·8
19	Birr Castle ...	39	32	31	–	2	3·9
20	Valentia Obsy.	40	34	31	–	0·5	
	Roches Point	41	35	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th February 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	61755	21428	5-	51648	19428
115	52	81744	18487	--	72109	20589
203	57	02944	12428			
206	52	02965	26328	02	72658	20478
210	03	02990	21427	02	71968	20428
220	52	85744	26128	52	58426	23268
230	07	02890	00018	52	05766	20128
245	83	26854	30387	03	02790	22226
260				53	08463	18216
278	54	02981	32327	07	02890	28427
279	53	05655	32325	53	05662	30225
285	27	83647	83635	23	01634	04414
288	86	26555	02886	43	47365	03116
575	57	00027	32635	52	10753	26228
301	17	05653	02425	50	08461	02401
321				5-	05667	31377
299				50	02744	04414
292	26	26853	32485	5-	02867	32327
310						
614	02	71468	04478	53	23555	02477

01h. G.M.T. 6th February 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	52638	18458	52	03644	32458
–	67309	53579	5-	45258	00048
6-	03838	16568	6-	52728	12458
52	50744	20378	52	02845	22268
5-	02768	20378	02	52648	22358
			5-	22328	29468
02	72648	00078	62	51634	00078
02	02790	24328	57	05664	24128
5-	05555	27415	5-	05556	24127
52	68754	26734	02	52528	10258
57	05664	18127	5-	05668	06128
			5-	02747	32327
87	26464	30188	07	05690	00015
02	62438	00068	02	52438	26158
07	05590	28114	03	47390	08126
5-	05667	30327	5-	05568	29128
5-	02745	04425	5-	03747	06227
5-	71558	29378	5-	05557	28127
52	05564	02328	5-	47378	30128

13h. G.M.T. 5th February 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	24	01853	02473	24	02855	01385
334	--	02646	04317	--	01752	06314
340	10	23642	32373			
136	8-	87748	66588	5-	78758	02488
336	57	02755	04427	57	02756	04428
350	52	72635	32478	5-	78645	01478
368	24	01754	02414	84	01653	01414
379				6-	72538	02478
390	52	72437	65478	52	78447	65478
382	52	72646	32478	52	78646	34478
438	8-	02337	32577			
430				5-	72748	65578
409	20	02855	35475			

01h. G.M.T. 6th February 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
03	02790	30114	52	02755	00028
			--	00790	00002
03	08490	31227	03	41490	00043
5-	87758	02388	5-	85658	02388
			60	00790	04300
5-	71658	32478	5-	21658	01358
04	05690	32211	53	05554	32116
5-	05548	04528	53	05643	02413
5-	68448	34478	5-	68548	01378
5-	51658	01358	50	05564	32224
			5-	03748	01518
5-	72648	65478	5-	02768	32478
5-	02767	03427	04	00790	03213

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

§ Sea disturbance reported from Dungeness.

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

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	Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time	Min. Time
Kew	cS₀S₀m₀	cS₀1S₀m₀	cS₀r₀		
Croydon ...	cm₀SS₀	cm₀S₀S₀	cm₀S₀S₀		
Greenwich ...	cSS₀	cS₀1S₀	ciS₀		
Camden Square	O	O	*	0·1	7-19h 8th
Kensington ...	oS	oSρ	*		
Hampstead ...	oXS	oSX	oSX	<0·1	0-9h 6th

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	33	30	29	0·2	0·1	0·0	*	*
Croydon ...	32	30	29	1	3	0·0	*	*
Greenwich ..	33	30	29	0·5	0·2	0·0	92	97
Westminster ..	34	32	30	0·3			97	91
Regents Park ...	33	30	29	Tr	0·2			95
Camden Square	32	31	28	1		*	*	96
Kensington ...	33	30	29	0·1	0·7		98	94
Hampstead ...	31	27	23	0·4	0·2		*	92

BRITISH SECTION

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

SECRET

Saturday 7th February 1942

No 29297

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	20·9	-10	N'E	3	sh	32	75	26	6	5	2	-	7·8	10	1500
	Croydon ...	21·3	-10	NE	2	sh	30	97	25	4	6	2	-	7·8	10	1800
	S. Farnborough	21·4	-10	N	2	sh	33	75	26	6	5	7	-	9+	10	1700
	Boscombe Down	22·4	-10	NE	3	c	32	75	26	7	5	-	-	9+	9+	3000
	Thorney Island	21·2	-10	NE	2	o/s	32	85	29	6	5	-	-	10	10	2500
	Lympne ...	20·5	-6	N	2	o/s	30	85	26	7	5	-	-	10	10	1500
	Manston ...	19·5	-10	N	4	sh	31	92	29	6	5	-	-	10	10	1500
2	Shoeburyness ...	21·0	-8	N'W	3	sh	31	85	27	7	5	-	-	10	10	2500
	Felixstowe ...	20·7	0	NNW	2	sh	32	75	25	5	5	-	-	10	10	2000
	Gorleston ...	21·2	-10	ENE	4	o/ps	32	92	30	7	6	-	-	10	10	1700
	Mildenhall ...	21·7	-10	N'E	3	sh	31	75	26	8	5	-	-	10	10	2500
	Cranwell ...	22·5	-10	NNW	2	zo	33	75	27	5	5	-	-	10	10	3500
3	Birmingham ...	21·9	-10	SSE	1	zo	34	65	24	5	5	7	-	4·6	4·6	1500
	Upper Heyford	22·8	-10	NNE	3	c	32	75	26	7	7	-	-	9	9	3000
4	Ross-on-Wye	22·2	-12	W'N	1	zo	35	75	26	6	7	-	-	1	1	3000
5	Hartland Point	22·3	-12	ENE	1	c	38	65	28	8	5	6	-	4·6	7·8	2500
	Bristol ...	22·5	-12	NE	2	zo	33	75	26	6	5	-	-	9+	9+	4000
	Portland Bill ...	21·3	-6	NNE	4	c	37	85	32	8	4	7	-	7·8	10	2500
	Plymouth ...	22·6	-12	NNE	3	bc	39	85	35	7	1	-	-	4·6	4·6	3000
	The Lizard ...	24·0	-4	NE	3	bc	38	65	32	8	2	4	-	4·6	4·6	2500
	Scilly (St. Mary's)	23·1	-10	E'S	2	c	39	75	31	8	5	-	-	10	10	1500
	Guernsey ...															
6	Pembroke ...	22·5	-18	SW	2	c	39	65	29	8	5	-	-	9	9	1900
7	Holyhead ...	21·3	-14	S	3	ido	39	85	34	8	5	2	-	9+	10	2000
	Chester (Sealand)	21·9	-18	SE	2	o/f	33	75	29	5	5	-	-	10	10	3500
8	Manchester ...	22·4	-14	SW	1	zo	35	85	31	5	5	3	-	4·6	9+	5000
10	Spurn Head ...	22·5	-8	NE'N	3	c	34	85	30	7	7	2	-	9	9+	1500
	Catterick ...	22·6	-14	S	1	zo	34	75	27	6	5	-	-	9	9	4500
	Tynemouth ...	22·4	-20	SW	3	m	35	85	29	4	5	-	-	9+	9+	3200
11	St. Abbs Head	20·5	-10	SW	2	dodo	33	97	33	7	5	2	-	9	10	1500
	Leuchars ...	20·5	-4	WNW	2	c/d	35	97	34	6	5	7	-	7·8	9+	3000
12	Renfrew (Abbots I.)	21·4	-6	W	2	m	36	92	33	4	5	7	-	9	10	1800
	Eskdalemuir ...	21·5	-8	S'E	1	o	32	97	31	4	5	-	-	10	10	100
	Point of Ayre...	21·6	-6	S'E	1	dodo	40	92	38	8	-	2	-	10	10	1800
13A	Tiree	21·9	+2	NNE	4	bc	46	92	44	8	8	3	-	4·6	4·6	2500
13B	Stornoway ...	23·6	0	N	2	c	45	92	43	8	5	7	5	4·6	9+	2500
15	Dalwhinnie ...	21·5	+4	-	0	c	36	85	33	8	5	-	-	9+	9+	2500
	Aberdeen ...	19·6	-8	NW	3	c	38	92	35	6	5	3	-	7·8	9+	1500
	Wick ...	21·4	+4	NW	2	c	41	85	37	8	5	-	-	9+	9+	1400
16	Sumburgh ...	20·6	-2	N	2	c	41	85	37	8	5	-	-	9+	9+	3200
17	Blacksod Point	23·5	-8	N	4	o/r	48	85	44	7	5	-	-	7·8	7·8	1500
18	Malin Head ...	22·2	-2	N'E	3	c	46	92	44	8	5	-	-	9	9	2500
	Aldergrove ...	21·9	-2	N'W	1	f	38	97	37	2	-	-	-	10	10	<150
19	Birr Castle ...	20·9	-12	SSW	1	f	43	97	42	3	-	-	-	10	10	<150
20	Valentia Obsy.	22·6	-14	N'E	4	c	40	85	45	7	5	-	-	10	10	800
	Roches Point	21·5	-18	NNW	1	ido	40	92	38	6	5	-	-	10	10	450

OBSERVATIONS at 18h. 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. (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)	20·1	-2	N	3	sh	32	75	26	5	5	-	-	10	10	1500	4	*
	Croydon ...	19·8	-2	N'E	4	m	31	85	26	4	6	2	-	7·8	10	1500	8	*
	S. Farnborough	19·8	-2	N	2	zo	32	75	25	6	7	-	-	10	10	2800	3	*
	Boscombe Down	21·0	-2	NE'N	1	zo	29	85	26	6	5	7	6	4·6	9	3000	4	*
	Thorney Island	20·0	-2	N'E	2	c	32	75	25	6	5	-	-	10	10	4000	3	*
	Lympne ...	19·4	-4	N	2	sh	29	85	27	7	5	-	-	10	10	2500	8	§
	Manston ...	18·3	-2	N	4	rs	30	92	28	6	5	-	-	10	10	1600	9	*
2	Shoeburyness ...	19·6	-4	N	2	c	30	92	29	6	5	-	-	10	10	1500	4	*
	Felixstowe ...	19·8	-6	N'W	3	sh	30	75	22	6	5	-	-	10	10	2300	8	3
	Gorleston ...	20·1	-2	N	4	c	32	92	31	7	5	-	-	10	10	1500	5	3
	Mildenhall ...	20·5	+2	N	1	o	32	92	28	7	5	-	-	10	10	2500	8	*
	Cranwell ...	21·0	-2	N	2	zo	31	85	28	6	5	3	-	4·6	9	3500	8	*
3	Birmingham ...	20·5	-4	NNE	1	of+	33	65	24	6	5	-	-	10	10	1500	4	*
	Upper Heyford	20·6	-2	NNE	1	zo	31	92	28	6	5	7	-	9	10	4000	4	*
4	Ross-on-Wye	20·4	-10	SW	1	zo	33	75	27	5	5	-	-	10	10	3000	1	*
5	Hartland Point	20·3	-2	NNE	2	c	37	65	25	8	5	6	-	7·8	9	3000	1	3
	Bristol ...	20·6	-4	-	0	m	33	75	26	4	5	7	-	9	10	2500	1	*
	Portland Bill ...	20·0	-2	ENE	3	c	33	85	30	8	4	-	-	10	10	4000	1	4
	Plymouth ...	20·9	-6	E	3	zo	38	92	33	6	-	3	-	0	9	-	1	3
	The Lizard ...	20·9	-12	NE'E	2	c	35	75	22	8	8	5	-	7·8	9+	2500	0	3
	Scilly (St. Mary's)	21·0	-6	-	0	c	38	75	31	8	5	-	-	10	10	1500	1	3
	Guernsey ...																	
6	Pembroke ...	20·8	0	SW'S	2	iro	40	85	38	7	5	-	-	9	9	1500	1	2
7	Holyhead ...	20·0	-2	SE	2	c	38	92	36	7	5	2	-	7·8	10	2000	1	2
	Chester (Sealand)	20·3	-6	-	0	m	35	85	30	4	5	-	-	4·6	10	2000	0	*
8	Manchester ...	19·6	-10	-	0	m	33	92	31	4	5	-	-	10	10	2500	4	*
10	Spurn Head ...	20·8	0	NE	2	c	33	97	33	7	8	2	-	7·8	10	1500	3	3
	Catterick ...	20·6	-2	-	0	dodo	33	97	32	4	5	-	-	10	10	3000	6	*
	Tynemouth ...	20·8	-4	SW	2	sf	34	97	33	3	5	-	-	10	10	1500	7	4
11	St. Abbs Head	19·1	-2	NW	4	c	40	85	35	7	6	2	-	9	10	1500	4	3
	Leuchars ...	21·1	+2	W'N	1	F+	31	97	31	0	-	-	-	10	10	<150	7	*
12	Renfrew (Abbots I.)	20·4	+4	NE'N	3	c	36	92	34	6	5	-	-	9+	9+	1100	9	*
	Eskdalemuir ...	21·3	+2	NW	2	c	40	92	38	7	5	3	-	4·6	9	2500	4	*
	Point of Ayre...	19·6	-2	SE	2	dodo	40	97	39	4	6	2	-	9	10	1000	1	2
13A	Tiree	21·9	0	NNE	4	bc	45	92	43	8	8	-	-	4·6	4·6	2500	0	5
13B	Stornoway ...	23·2	0	NNW	3	c	43	85	38	7	5	7	-	4·6	7·8	2500	1	1
15	Dalwhinnie ...	22·5	0	NE	2	c	34	85	28	8	8	3	-	2·3	4·6	2500	8	*
	Aberdeen ...	20·5	+10	NNW	3	c	38	85	34	7	5	-	-	7·8	7·8	1700	6	3
	Wick ...	21·3	+2	NW	2	c	40	92	38	7	5	3	-	4·6	9	2500	4	*
16	Sumburgh ...	20·8	+10	NNE	2	b	37	85	32	8	5	-	-	1	1	2000	1	3
17	Blacksod Point	23·3	+6	N'E	5	ro	46	97	45	7	6	-	-	10	10	800	1	4
18	Malin Head ...	22·2	+2	N'E	3	c	45	85	41	8	9	-	-	7·8	7·8	2500	1	3
	Aldergrove ...	21·3	-2	-	0	ido	40	97	40	4	5	-	-	10	10	400	1	*
19	Birr Castle ...	20·3	+2	NNW	3	c	44	92	42	7	5	2	-	7·8	10	1500	1	*
20	Valentia Obsy.	21·7	+2	NE	4	o/pr	48	92	46	7	5	-	-	10	10	800	1	3
	Roches Point	19·8	-6	N	1	c/d	42	97	41	6	5	-	-	9+	9+	800	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. ...6th... (39)	Weather. 13h.—18h. ...6th... (40)	Weather. 18h. 6th to 1h. 7th (41)	Weather. 1h.—7h. 7th (42)
1	London (Kew)	cisomozo	cisozo	cisomo	cmo
	Croydon ...	cmsh			
	S. Farnborough	SoSoshmozo	ccSohomo	cmo	cmosh
	Boscombe Down	cmo	cbc	cmo	cmoshcmo
	Thorney Island	oSoSohcmo	cmoSoC	cmoccmo	cmoisoc
	Lympne ...	omoOSh	oiSoSh	omoshiso	omoiso
	Manston ...	cisoSoSomo	SoSomoroSoroSosssh		cmoiso
2	Shoeburyness ...	cshshmoc	cshs	cmosho	cmobc
	Felixstowe ...	cisohosh	cmoshomo	oisohomo	cisohoc
	Gorleston ...	cpsopso	c	cromsc	cpho
	Mildenhall ...	cSoho	bmoiSoo	omo	cmoisho
	Cranwell ...	cmom	cmo	cmoisomo	cmo
3	Birmingham ...	fobcz	bccf	oIsof	foiso
	Upper Heyford	bcmcmo	obcomo	cmoisomo	cisomo
4	Ross-on-Wye	czbczo	czbcz	czom	omps
5	Hartland Point	bc	cy	c	cddirc
	Bristol ...	cfmzo	czoz	czomfso	cfsoSomo
	Portland Bill ...	bcc	ccz	omoO	oc
	Plymouth ...	bmobc	bccmo	bmocmo	cisoishmo
	The Lizard ...	bc	bcc	c	CO
	Scilly (St. Mary's)	c	c	c	C
	Guernsey ...				
6	Pembroke ...	c	cciro	cidororo	croro
7	Holyhead ...	c	cdodoc	idomo	cmoC
	Chester (Sealand)	bccifm	zomc	ofsshdo	ofsoroda
8	Manchester ...	bccfm	cmom	cfsoroda	cf
10	Spurn Head ...	c	c	C	OSoSo
	Catterick ...	cmo	cmododom	mododf	omshf
	Tynemouth ...	cffm	cmiSoff	offroro	OroroO
11	St. Abbs Head	cdodo	Fdoc	cpr	C
	Leuchars ...	dodocmo	cmoidoc	cmocido	drddom
12	Renfrew (Abbots I.)	fdodomo	mbofoF	bFkbcf	cfcm
	Eskdalemuir ...	osho	oidoc	cidm	cproO
	Point of Ayre...	cdodo	cdodoz	dodofbc	bcc
13A	Tiree	cbc	cbc	bc	bcc
13B	Stornoway ...	c	c	cpr	c
15	Dalwhinnie ...	oc	c	*	co
	Aberdeen ...	offidoc	cmobc	dccb	ocffido
	Wick ...	ffc	omododoc	cmoc	cmo
16	Sumburgh ...	cfmfofodo	fofomobcb	bcc	cobc
17	Blacksod Point	r	r	bc	c
18	Malin Head ...	c	c	C	C
	Aldergrove ...	dfoff	ffoido	idomomomobcfg	
19	Birr Castle ...	f	c	*	r
20	Valentia Obsy.	r	pr	r	c
	Roches Point	r		d	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 7th February 1942.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate east wind; cloudy; occasional light snow; becoming a little colder; frost day and 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	Light east winds veering south; cloudy; occasional light sleet or snow; cold; frost day and night.
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 variable winds, becoming south or southwest veering north later; cloudy; occasional rain, sleet or snow; cold but temperature mainly above freezing point.
16 Orkneys and Shetlands	Light or moderate southwest wind veering northwest; cloudy; occasional rain; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate north wind, backing northwest; cloudy; occasional rain; average temperature.

GENERAL INFERENCE

Pressure is high to east and to west of the British Isles and relatively low to the south. A small depression is expected to develop near Shetland and move south-southwest.

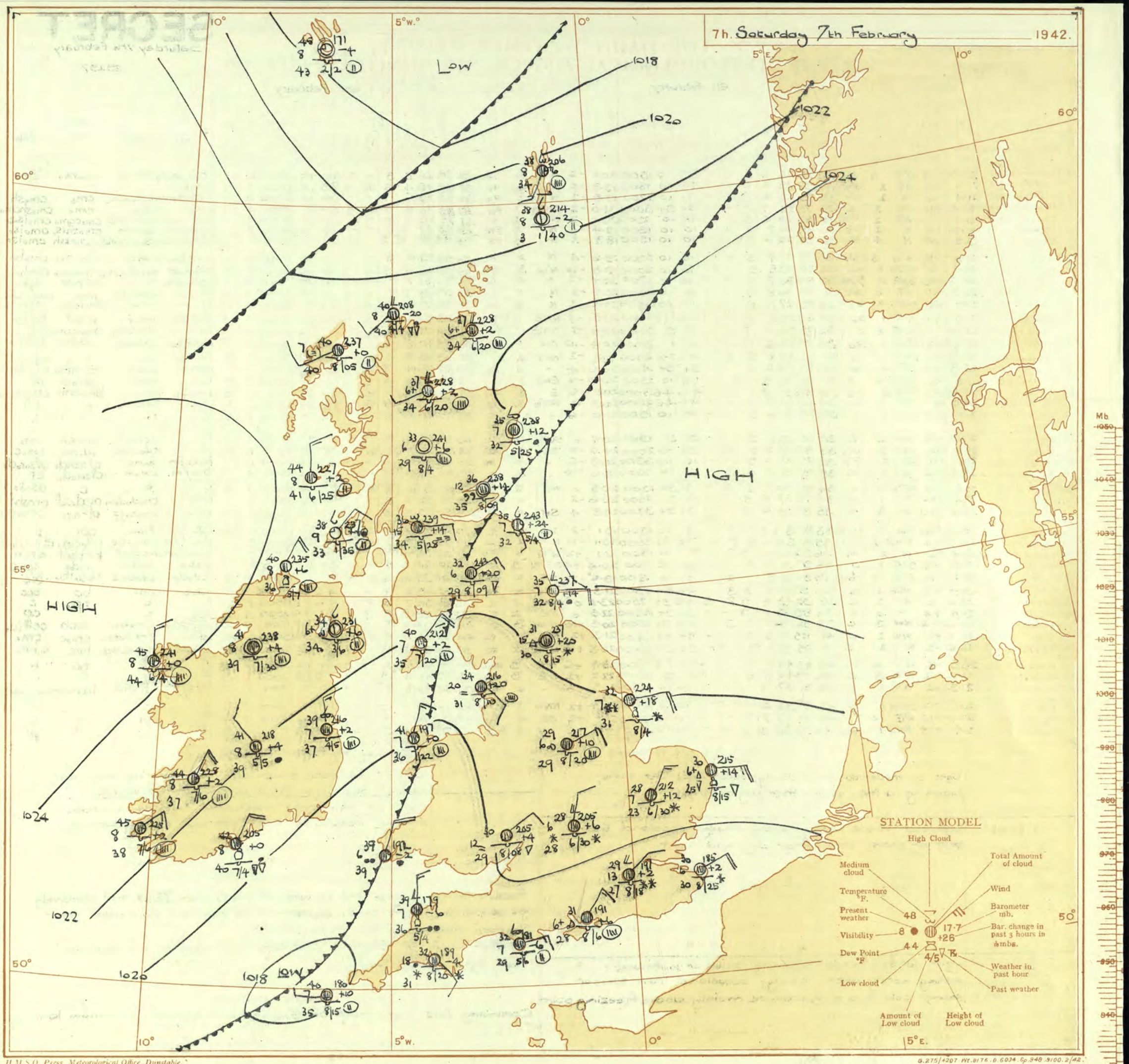
Over most of England and Wales cold weather will continue with light snow locally.

FURTHER OUTLOOK

Continuing cold over most of England and Wales with snow locally.

Forecasts issued at 10.30. G.M.T.

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



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

G.275/4207 Wt.8176. D.6034. Gp.948. 9100. 2/42.

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 7th February 1942

No 29297

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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon	217	19.5	-6	N'E	3	c/d	29	92	27	4	S	-	-	9+	10	2500
	S. Farnborough	226	19.6	-6	S	2	Zo	30	85	25	6	S	-	-	9+	9+	3200
	Boscombe Down	417	20.1	-10	N	2	sh	30	85	27	6	S	-	-	9+	9+	4000
	Thorney Island	10	18.9	-12	NE	2	Zo	31	85	26	6	S	-	-	10	10	4100
	Lympne	346	19.2	-2	-	0	o/s	28	92	27	6	S	-	-	10	10	1200
	Manston	154	18.5	-6	NE'E	3	Zo	30	97	25	6	S	-	-	10	10	2700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	19.4	-2	N	2	o/s	31	85	30	6	S	-	-	10	10	3000
	Gorleston	5	20.1	0	ENE	4	Zo	32	85	29	6	8	3	-	7-8	10	1500
	Mildenhall	19	20.0	-4	NW'N	2	Zo	29	92	28	5	S	-	-	10	10	2800
	Cranwell	240	20.9	-2	N	1	Zo	29	97	18	6	S	-	-	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20.0	-8	NE	1	iso	29	97	28	5	S	-	-	10	10	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19.7	-8	SE	1	c	35	75	28	7	S	-	-	7-8	9+	2500
	Bristol	20[illegible]	20.1	-12	-	0	iso	32	92	29	3	S	-	-	10	10	2400
	Portland Bill	32	18.9	-12	NE	2	o	32	92	29	3	S	-	-	10	10	2500
	Plymouth	82	20.0	-10	-	0	Zo	32	97	31	6	S	-	-	9	9	4500
	The Lizard	240	20.2	-4	NNE	2	c	36	75	32	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	20.1	-6	S	1	c	39	75	31	7	S.	2	-	4-6	10	1500
	Guernsey	175															
6	Pembroke	142	20.5	0	S'E	2	roro	39	97	39	7	S	-	-	10	10	1500
7	Holyhead	26	19.8	-2	E	1	ido	39	92	37	6	S	2	-	9	10	1700
	Chester (Sealand)	16	20.0	-2	-	0	rs	33	97	32	3	-	2	-	10	10	300
8	Manchester	235	20.5	-2	-	0	cf	32	97	32	2	-	2	-	10	10	1000
10	Spurn Head	29	20.6	-4	NNW	2	c	32	97	32	7	S	2	-	7-8	10	1500
	Catterick	175	20.6	-2	SSE	2	df	31	97	30	3	S	-	-	10	10	500
	Tynemouth	108	20.6	0	SE	4	roro	34	97	33	5	-	2	-	10	10	1500
11	St. Abbs Head	280	20.3	+10	NNE	2	c	39	97	37	7	S	2	-	9	10	1500
	Leuchars	36	21.8	+6	-	0	ido	38	92	36	7	S	-	-	9+	9+	1800
12	Renfrew (Abbots I.)	19	21.5	-10	-	0	bcf-	30	97	30	3	S	-	-	4-6	4-6	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	21.0	+4	N	2	Zo	37	97	37	6	S	-	-	2-3	2-3	1000
13A	Tiree	22	22.5	0	N	2	bc	45	85	40	8	1	3	-	2-3	4-6	3500
13B	Stornoway	80	23.8	0	W	1	c	41	92	40	7	S	7	-	7-8	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Wick	119	22.5	+6	NW	1	c	36	92	34	7	S	7	-	Tr	9+	2500
16	Sumburgh	30	21.6	+2	N	1	c	38	85	33	8	S	7	-	1	10	4000
17	Blacksod Point	18	24.1	0	N'E	3	bc	45	92	43	7	4	-	-	4-6	4-6	1500
18	Malin Head	84	22.8	-6	N	4	c	45	85	41	8	2	-	-	7-8	7-8	5700
	Aldergrove	268	22.5	0	-	0	Zo	39	92	37	6	S	4	-	9	9	2100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.7	+4	NE'N	4	c	46	75	39	8	S	-	-	9	9	2500
	Roches Point	22	20.8	+2	NE'N	4	c	43	85	39	8	S	-	5	4-6	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 7th 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 6th Hrs. (38)
London (Kew)	19.9	+6	NE'N	2	Zo	30	85	27	5	S	2	-	7-8	10	2500	4	*	32	30	29	0.1	Tr	0.0
Croydon	19.7	+2	NE	2	c/s	29	92	27	4	S	2	-	10	10	1800	8	*	31	29	28	0.2	0.1	0.0
S. Farnborough	20.0	+6	NNE	2	sh	30	85	26	6	S	2	-	9	10	1000	3	*	33	29	28	Tr	Tr	0.0
Boscombe Down	20.2	+2	NE'E	3	c	29	92	27	6	S	7	-	7-8	9	5000	4	*	32	28	24	0.1	Tr	0.8
Thorney Island	19.1	+6	NE	3	Zo	31	85	28	6	S	-	-	10	10	4000	3	*	33	30	31	Tr	Tr	*
Lympne	19.0	+2	NNE	2	iso	29	85	27	6	S	-	-	10	10	1000	9	§3	31	28	26	0.2	0.2	0.0
Manston	18.5	+2	NE'E	4	o/s	30	97	30	6	S	-	-	10	10	2500	9	*	31	29	27	S	*	0.0
Shoeburyness	19.6	+2	NNE	3	c	28	75	22	7	S	3	-	4-6	7-8	2500	8	*	32	27	24	0.2	Tr	0.0
Felixstowe	20.2	+10	NE	3	c	30	55	28	7	S	-	-	10	10	2900	8	3	31	29	27	0.2	0.1	0.0
Gorleston	21.5	+14	E	3	phr	30	85	25	6	8	-	-	10	10	1500	5	4	33	28	28	Tr	0.2	*
Mildenhall	21.2	+12	NE'E	3	c	28	85	23	7	S	-	-	9	9	3000	8	*	33	28	27	Tr	Tr	0.0
Cranwell	21.7	+10	ENE	3	Zo	29	97	29	6	S	-	-	10	10	2000	8	*	34	29	21	-	Tr	0.1
Birmingham	20.8	+4	NE	2	of	30	92	28	3	S	-	-	10	10	1500	4	*	35	29	28	-	0.2	0.2
Upper Heyford	20.5	+6	NNE	2	iso	28	97	28	6	S	2	-	9	10	3000	8	*	34	28	27	-	Tr	*
Ross-on-Wye	20.5	+4	NE	2	m	30	97	29	4	S	-	-	10	10	800	5	*	37	30	29	-	Tr	1.0
Hartland Point	17.9	-6	N	3	c/r	39	92	36	7	8	2	-	7-8	10	1500	1	3	40	35	33	-	1	4.3
Bristol	20.3	+2	N	1	o/s	30	97	29	5	S	-	-	10	10	2500	6	*	35	29	28	-	0.6	0.3
Portland Bill	18.1	-6	ENE	3	c	32	85	29	7	S	7	-	7-8	10	4000	1	4	38	30	*	-	-	*
Plymouth	18.9	-4	SE	2	rs	32	97	31	4	S	-	-	10	10	2000	1	2	39	30	24	-	Tr	6.3
The Lizard	18.3	-4	-	0	o	36	85	22	7	S	-	-	10	10	1500	0	3	41	34	*	-	-	7.4
Scilly (St. Mary's)	18.0	+10	W	1	o	40	85	35	7	S	-	-	10	10	1500	1	3	40	36	*	-	-	0.0
Guernsey																							
Pembroke	19.2	-2	NNE	4	roro	39	97	39	6	8	-	-	9+	9+	2500	1	1	41	31	*	-	1	0.0
Holyhead	19.7	0	NNE	3	c	41	85	36	7	S	-	-	9+	9+	2200	1	3	41	39	35	Tr	Tr	*
Chester (Sealand)	20.9	+14	E	3	df	33	97	32	3	-	2	-	10	10	400	4	*	35	33	32	-	3	0.0
Manchester	21.5	+16	E	2	of	31	97	31	3	-	2	-	10	10	2000	8	*	35	31	30	-	1	*
Spurn Head	22.4	+18	E	4	SoSo	32	97	32	7	8	-	-	10	10	1500	7	4	35	30	*	-	-	0.3
Catterick	23.7	+20	-	0	sh	31	92	30	2	S	-	-	10	10	1500	5	*	35	30	32	0.3	0.3	0.2
Tynemouth	23.7	+14	E	4	o	35	92	32	7	-	2	-	10	10	1500	4	3	35	33	31	0.1	2	*
St. Abbs Head	24.3	+24	SSE	1	c	35	92	32	7	S	4	-	7-8	9+	1500	4	2	40	34	*	0.5	1	
Leuchars	23.8	+4	-	0	dodo	36	97	35	4	S	-	-	10	10	900	6	*	42	35	32	Tr	1	0.0
Renfrew (Abbots I.)	23.9	+14	E	2	m/f	36	92	34	4	S	3	-	7-8	9+	2800	8	*	37	27	26	0.3	-	0.0
Eskdalemuir	24.2	+20	NE'E	3	o	32	92	29	6	S	-	-	10	10	900	9	*	35	31	30	1	-	0.3
Point of Ayre	21.2	+2	NE	4	c	40	85	35	7	S	-	-	9+	9+	2000	1	4	40	35	*	0.2	0.2	0.0
Tiree	22.7	+2	N	3	c	44	85	41	8	S	-	-	9	9	2500	0	3	47	44	*	-	-	1.4
Stornoway	23.7	0	WSW	2	ojf	40	97	40	7	S	-	-	10	10	500	1	1	46	39	*	-	Tr	0.7
Dalwhinnie	24.1	+6	-	0	o	33	75	29	6	S	-	-	10	10	1500	8	*	37	32	29	-	-	0.0
Aberdeen	23.6	+8	NW	1	cf	35	97	35	3	S	7	-	7-8	9+	900	6	2	40	34	30	1	0.2	0.1
Wick	22.8	+2	WSW	1	c	37	92	34	6	S	2	-	9	10	2000	2	*	42	35	33	0.3	-	*
Sumburgh	21.4	-2	-	0	bc	38	85	33	8	S	4	1	Tr	2-3	4000	1	2	42	35	23	0.1	-	0.3
Blacksod Point	24.1	0	N	3	c	45	97	44	8	S	-	-	9	9	1500	1	4	48	43	*	1	0.1	*
Malin Head	23.5	+6	N'E	4	c	40	85	36	8	9	-	-	7-8	7-8	5700	0	3	47	*	*	0.1	-	0.0
Aldergrove	23.1	+6	-	0	Zo	34	97	34	6	S	4	-	2-3	2-3	4000	1	*	40	33	28	0.6	-	0.0
Birr Castle	21.8	+4	NW	2	c	41	92	39	8	S	-	-	7-8	7-8	2500	1	*	46	40	39	1	0.3	0.0
Valentia Obsy.	22.5	+2	NE'E	3	c	45	75	38	8	S	-	-	9+	9+	2500	1	3	49	44	42	2	Tr	0.9
Roches Point	20.5	0	NNE	4	c/pr	42	92	40	8	8	-	-	9+	9+	1500	1	4	43	*	*	1	0.2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th February IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 7th February C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
109 57	02954	30325	57	02855	01427	5-	02655	32125	57	02644	19227
115			57	81934	32387	54	01844	04285	52	25844	20285
203			6-	81837	32527	50	01944	08324	5-	02937	16327
206 5-	02867	30227	53	02856	26127	57	02855	00056	5-	02858	24228
210 83	02846	26227	5-	52538	25358	87	02765	26217	6-	02758	20128
220			80	01745	02315				50	01743	00003
230 5-	02747	00057	50	02845	08115	5-	02865	00015	04	00990	04203
245 67	02952	22167	87	22855	32467	5-	02756	32216	02	52648	00058
260 5-	52446	20256	5-	47397	20117	5-	81448	00088	5-	45338	00058
278 5-	02738	00058	5-	51528	06158	5-	02766	24116	54	00762	05313
279 --	57209	06159	--	57209	08159	5-	51448	26248	53	05556	03425
285 5-	05638	30128	02	71628	28478				02	72528	08478
288 57	05663	19227	52	51465	19158	02	78459	15158	5-	23458	06178
575			5-	02847	30157	50	01843	32154	5-	02867	00027
301 5-	43368	12148	--	77309	00079	--	46209	00049	5-	08448	12228
321 03	02790	31025	5-	05667	12127	5-	95568	28178	5-	71558	03278
299 5-	02747	06317	5-	05657	00027	5-	05648	00028			
292 02	05690	28127	5-	05568	13128	02	68448	10178	5-	05548	02228
310											
614 06	05590	04225	5-	08457	00027	5-	47358	00078	5-	47368	02178

13h. G.M.T. 6th February IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 7th February C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
333 52	02747	08328	52	02755	08228	5-	52648	24158	5-	02757	32157
334			--	04447	10328				--	04309	00028
340 03	05690	15127	5-	05678	28128	02	77398	12178	5-	41418	08278
136 5-	78758	01388	5-	02768	02288	5-	78758	04188	5-	02857	06377
336 57	02735	04327	57	02786	04228				--	67209	04369
350 5-	05668	32328	57	05675	31228	52	71664	00078	5-	71548	02278
368 7-	05666	02216	03	05590	00014	5-	51548	00028	5-	52548	10268
379 5-	05657	02327	5-	05668	04228	5-	72558	04178	5-	72557	02277
390 52	78545	30378	5-	78558	32378	5-	78468	32278	5-	05667	02277
382 5-	02767	01327	5-	05567	00027	5-	23668	01778	5-	05568	04228
438 5-	03758	02528							02	87748	04478
430 5-	78408	02478	5-	05668	02278	5-	05668	36428	5-	05668	04328
409 50	02876	03216	57	02766	32117	5-	05678	00028	52	52646	28158

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 7th Dec:
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	cisom.zo	cls.zo	oSom.
Croydon	cmsh		
Greenwich	cSoSo	cSoSo	ciSoc
Camden Square	ox	ox	*
Kensington	ospox	ox	*
Hampstead	oxs	oxs	bcx

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0.2 Time 10-18h 6th. Min. 0.1 Time 0-5h 7th.

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	32	30	29	0.1	Tr	0.0	*	*
Croydon	31	29	28	0.2	0.1	0.0	*	*
Greenwich	32	29	25	0.3	Tr	0.0	82	70
Westminster	38	31	28	—	—		97	94
Regents Park	32	29	28	-	Tr			94
Camden Square	32	28	25	-	-	*	*	81
Kensington	33		28	0.1	Tr		79	80
Hampstead	31	27	24	Tr	0.1		*	88

Page 1 **BRITISH SECTION**

SECRET

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

Sunday 8th February 1942

No. 29298.

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)	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)	22.0	+8	NE	4	iSo	29	75	22	6	8	3	·	9	9+	1500
	Croydon	21.7	+8	NE	4	SoSo	28	92	26	4	5	-	-	10	10	2200
	S. Farnborough	22.0	+10	ENE	4	iSo	30	65	22	6	7	-	-	9+	9+	1800
	Boscombe Down	21.7	+4	ENE	4	o/s	29	92	27	7	5	-	-	10	10	2500
	Thorney Island	20.7	+4	NE	4	c	32	85	28	7	7	3	-	4-6	4-6	4000
	Lympne	21.5	+10	ENE	3	SoSo	26	92	25	5	5	-	-	10	10	700
	Manston	21.1	+6	ENE	4	SoSo	26	85	22	6	5	-	-	10	10	1800
2	Shoeburyness	22.0	+10	NE	4	SS	28	85	24	6	-	2	-	10	10	1200
	Felixstowe	22.6	+10	NE'E	6	iSo	27	85	22	6	5	-	.	10	10	1500
	Gorleston	23.9	+10	NE'N	5	zo	27	92	25	6	5	-	-	10	10	1500
	Mildenhall	23.9	+8	NE'E	4	sh	29	85	25	7	5	-	-	10	10	2500
	Cranwell	24.8	+6	ENE	3	o/s	29	85	23	8	5	-	-	10	10	2500
3	Birmingham	24.0	+12	ENE	3	c	28	65	19	6	5	-	-	9	9	2500
	Upper Heyford	23.2	+10	NE	5	sh	28	92	26	8	5	-	-	10	10	2500
4	Ross-on-Wye	23.1	+10	ENE	4	c	28	85	25	7	5	-	-	10	10	3000
5	Hartland Point	20.9	+10	E	3	bc	34	85	30	8	2	-	-	4-6	4-6	2500
	Bristol	22.5	+6	E	3	zo	31	75	28	6	5	2	-	9+	10	2000
	Portland Bill	19.6	+4	ENE	4	c	34	85	31	8	5	-	-	10	10	4000
	Plymouth	20.2	+4	E'S	4	bc	35	85	30	8	8	3	-	4-6	4-6	3000
	The Lizard	18.9	+6	ENE	5	c	37	85	32	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	18.6	+2	E	4	c	43	85	39	8	8	-	-	7-8	7-8	1200
	Guernsey															
6	Pembroke	22.2	+10	E	4	zo	35	85	31	6	5	-	-	10	10	1300
7	Holyhead	23.5	+22	E	5	zo	38	75	31	6	8	4	-	7-8	9+	2000
	Chester (Sealand)	24.8	+12	E	2	zo	33	85	29	6	8	7	-	9	10	2000
8	Manchester	24.7	+10	-	0	zo	32	92	29	6	4	-	-	9	9	2500
10	Spurn Head	25.0	+6	E	4	o	32	85	28	7	5	-	-	10	10	1500
	Catterick	26.6	+14	NE	1	c	33	85	30	8	5	-	-	7-8	7-8	6000
	Tynemouth	26.3	0	ESE	2	c	34	75	27	8	8	-	-	7-8	7-8	2500
11	St. Abbs Head	26.4	+4	SSW	2	c	35	85	31	8	8	4	-	4-6	7-8	2000
	Leuchars	26.5	+4	-	0	zo	38	75	31	5	5	3	-	4-6	7-8	3000
12	Renfrew (Abbots I.)	26.7	+6	WSW	1	zo	38	75	31	6	5	-	-	9+	9+	3500
	Eskdalemuir	26.5	+4	-	0	c	34	75	26	8	5	-	-	9	9	1600
	Point of Ayre	26.1	+18	SSE	3	c	37	85	32	8	5	2	-	7-8	9+	3000
13A	Tiree	25.0	+4	SE'S	1	bc	47	85	43	9	7	-	-	2-3	2-3	3500
13B	Stornoway	23.8	+2	SSW	3	pr	45	97	45	6	5	1	-	7-8	10	2000
15	Dalwhinnie	26.2	+4	S	3	bc	36	75	29	8	1	3	-	Tr	4-6	2500
	Aberdeen	25.2	+2	SSW	3	bc	39	75	33	6	-	3	-	0	4-6	-
	Wick	23.5	+2	WSW	3	bc	46	85	39	9	-	3	-	0	4-6	-
16	Sumburgh	21.2	-6	SW	3	c	43	92	43	7	5	-	-	9+	9+	700
17	Blacksod Point	25.9	+8	NE	3	c/r	46	92	44	8	5	-	-	7-8	7-8	1500
18	Malin Head	25.9	+10	NE	2	bc	44	75	37	8	2	-	-	4-6	4-6	4000
	Aldergrove	26.7	+16	ENE	2	zo	39	75	33	6	7	-	-	2-3	9+	2500
19	Birr Castle	23.7	+2	NNE	3	bc	45	75	38	8	2	-	-	4-6	4-6	1500
20	Valentia Obsy.	23.9	+4	NE	5	bc	47	65	37	9	5	-	-	4-6	4-6	2500
	Roches Point	22.0	-4	N'E	4	bc	46	75	39	8	2	-	5	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 7th 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. 7th (39)	Weather 13h.–18h. 7th (40)	Weather 18h. 7th to 1h. 8th (41)	Weather 1h.–7h. 8th (42)
London (Kew)	25.7	+26	NE	4	zo	27	75	21	5	5	-	-	10	10	1500	4	*	ciSozo	ciSo,CZo	cz	cz
Croydon	25.0	+24	ENE	4	iSo	27	92	23	4	5	2	-	9+	10	1800	8	*	mocmSoSo	SoSoSSiSocm cm	cm cm	
S. Farnborough	25.3	+24	NE	4	o/s	27	75	22	6	5	-	-	10	10	1400	3	*	CSoh.SoM.	SoMoSoSoCcm	cm	cm
Boscombe Down	24.7	+22	ENE	4	c	28	85	24	7	5	-	-	9	9	2000	4	*	Cmocimo	c	hcm	cm c
Thorney Island	23.8	+26	NE	4	zo	29	75	24	6	8	-	-	7-8	10	1500	3	*	Cmobc	iSopSoC	cm	cbccm
Lympne	24.2	+18	NE	3	zo	27	97	26	6	5	-	-	10	10	900	9	§4	omoSoSS	OmoSoOmo	om	omo
Manston	24.4	+24	NE	4	zo	27	92	25	6	5	-	-	10	10	1000	9	*	iSoSoSomo	SoSoCmo	cm	cm
Shoeburyness	25.4	+24	NE'N	4	iSo	27	92	25	7	5	-	-	10	10	1200	8	*	bccSoS mo	oSSiSomc	cm	ciSo cm
Felixstowe	25.5	+18	NE'E	5	o/s	27	75	20	8	5	-	-	10	10	1700	8	3	iSohoiSom	ciSoSohoc	cmo	omc
Gorleston	27.3	+20	E	4	zo	27	92	24	6	5	-	-	10	10	1500	5	5	cpshch	cpho	c	c
Mildenhall	26.9	+20	ENE	4	c	27	85	22	8	5	-	-	10	10	1600	8	*	cmoiSoho	ciSohoc	ccz	c
Cranwell	27.6	+20	ENE	2	c	29	85	24	7	5	-	-	10	10	2100	8	*	cmocSo	ciSoc	cm	cm b
Birmingham	26.9	+16	NE	3	m	28	75	23	4	5	-	-	10	10	1500	4	*	fciSo	com	om	ocz
Upper Heyford	26.5	+28	ENE	5	c	26	97	26	7	5	-	-	10	10	1500	8	*	cshc	cshc	ccm	cm
Ross-on-Wye	26.1	+20	NE'E	3	c	29	75	21	7	5	-	-	10	10	3000	3	*	iSoc	pScc	c	c
Hartland Point	24.1	+30	NNE	4	c	31	92	29	7	5	4	-	9	9+	1500	1	4	cbc	bcc	cbcb	bbc
Bristol	25.7	+22	E'N	3	zo	29	75	22	6	5	2	-	7-8	10	3000	4	*	cSoSomo	c,cmo	cbcz m	cm ccm
Portland Bill	22.4	+12	NE	4	c	32	85	29	7	5	-	-	10	10	2500	1	4	c	c	o	o
Plymouth	23.7	+26	ENE	4	zo	30	85	26	7	5	-	1	7-8	7-8	3500	1	3	cmoc	c	cm	cm bbc
The Lizard	21.7	+20	ENE	5	c	35	75	32	8	8	2	-	7-8	9+	1400	0	4	roroc	c	oc	c
Scilly (St. Mary's)	21.9	+26	E'N	4	c	36	75	32	8	8	2	-	7-8	9+	1200	1	4	cirqc	c	c	c
Guernsey																					
Pembroke	25.4	+20	E'N	5	zo	34	75	25	6	8	6	-	7-8	9+	2000	1	2	foSocmo		bc	bc
Holyhead	26.5	+20	NE	1	zo	32	85	28	6	1	-	6	Tr	4-6	2000	1	1	cmo	bcmo	bcbmx	bmxbc
Chester (Sealand)	27.6	+18	ESE	1	zo	31	85	28	5	5	-	-	9+	9+	3000	1	*	docffm	cmo	bmx	bmx
Manchester	27.7	+18	E	3	zo	30	75	22	6	4	3	-	4-6	9	2000	8	*	fSocmo	cmo	bcbm	bm
Spurn Head	27.3	+10	E'N	2	o	31	92	29	7	5	-	-	10	10	1500	8	4	o	o	o	bm
Catterick	28.7	+14	-	0	zo	30	85	27	6	5	-	-	9+	9+	4500	7	*	cmobc	bccmo	cmbm	bmbmx
Tynemouth	27.8	+10	SE	2	bc	34	85	28	7	5	3	-	2-3	4-6	2200	4	3	c	bc	bcmff	bcmbbc
St. Abbs Head	26.8	0	SSW	2	bc	32	75	26	8	4	4	-	4-6	4-6	2500	4	2	c	bcb	bc	bcc
Leuchars	26.4	+2	W	2	zo	34	85	30	6	-	3	-	0	9+	-	6	*	dodoebcmo	bcmocmo	cmbmm	bbcmxc
Renfrew (Abbots I.)	27.2	+4	SW'S	1	zo	35	85	32	5	5	-	-	9+	9+	4500	8	*	cmfcmo	cmo	cm	cm
Eskdalemuir	28.4	+10	-	0	c	26	85	19	8	5	7	2	Tr	7-8	2900	9	*	ocbcc	cbc	bbcc	ccm
Point of Ayre	27.7	+10	SSE	1	bc	33	75	27	8	5	-	-	2-3	2-3	4000	0	2	c	cbc	bcb	bbcc
Tiree	25.2	+2	SW'S	1	dodo	43	97	43	6	5	-	-	10	10	800	0	3	bc	codo	odc	c
Stornoway	24.3	+4	WSW	3	c/pr	45	92	43	7	3	7	-	7-8	9+	2000	1	2	cpr	cpr	c	c
Dalwhinnie	27.4	+4	-	0	o	35	85	31	8	5	-	-	10	10	1500	6	*	obc	bco	*	of
Aberdeen	25.4	+2	SW	3	m	37	85	32	4	-	7	-	0	10	-	6	2	cdodobc	bczocz	cz	czcz
Wick	23.3	+2	WSW	2	c/d	39	92	38	8	5	7	-	9	9+	1800	1	*	cmocbc	bccidoc	odmdf	dfodo
Sumburgh	20.7	+2	W	3	df	44	97	44	3	5	-	-	10	10	<150	1	3	c	cidof	fidmc	bbcex
Blacksod Point	26.8	+12	E'N	3	c	45	85	41	8	-	7	-	0	9	-	1	3	r	c	bc	c
Malin Head	26.7	+10	SE	1	bc	38	85	34	8	4	-	-	2-3	2-3	5700	1	3	bc	bc	bc	c
Aldergrove	28.2	+16	-	0	c	37	85	33	7	5	3	-	7-8	9+	2500	1	*	bcmocmo	cbczoc	bcmbmx	bmxcmx
Birr Castle	26.0	+18	SW	2	c	36	85	32	7	5	-	-	10	10	4000	1	*	bc	c	**	bc
Valentia Obsy.	25.5	+18	NE	4	bc	44	75	38	9	1	4	1	1	2-3	2500	1	3	bc	bc	b	b
Roches Point	24.7	+24	NE'E	4	c	42	75	36	8	8	-	5	4-6	7-8	1500	1	4	bc	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 8th February 1942.

Districts 1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales:

Light variable winds becoming southwest moderate veering north and northeast. Fine at first. Slight rain, sleet or snow later local fog later. Cold, but a thaw later, probably only temporary

Districts 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:

Light or moderate westerly wind veering north or northeast fresh locally. Cloudy, occasional light rain at first. Clear intervals later, local fog. Rather cold but temperature mainly above freezing point.

16 Orkneys and Shetlands

17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland:

Light or moderate north wind, cloudy, occasional rain. Rather cold.

GENERAL INFERENCE

Pressure is high to the West of the British Isles and a depression near Faeroes is moving southeast or south southeast. There will be occasional rain in the North. In the South weather will be fair at first, but slight rain sleet or snow is likely later. There will be a temporary thaw in the South, and Midlands later.

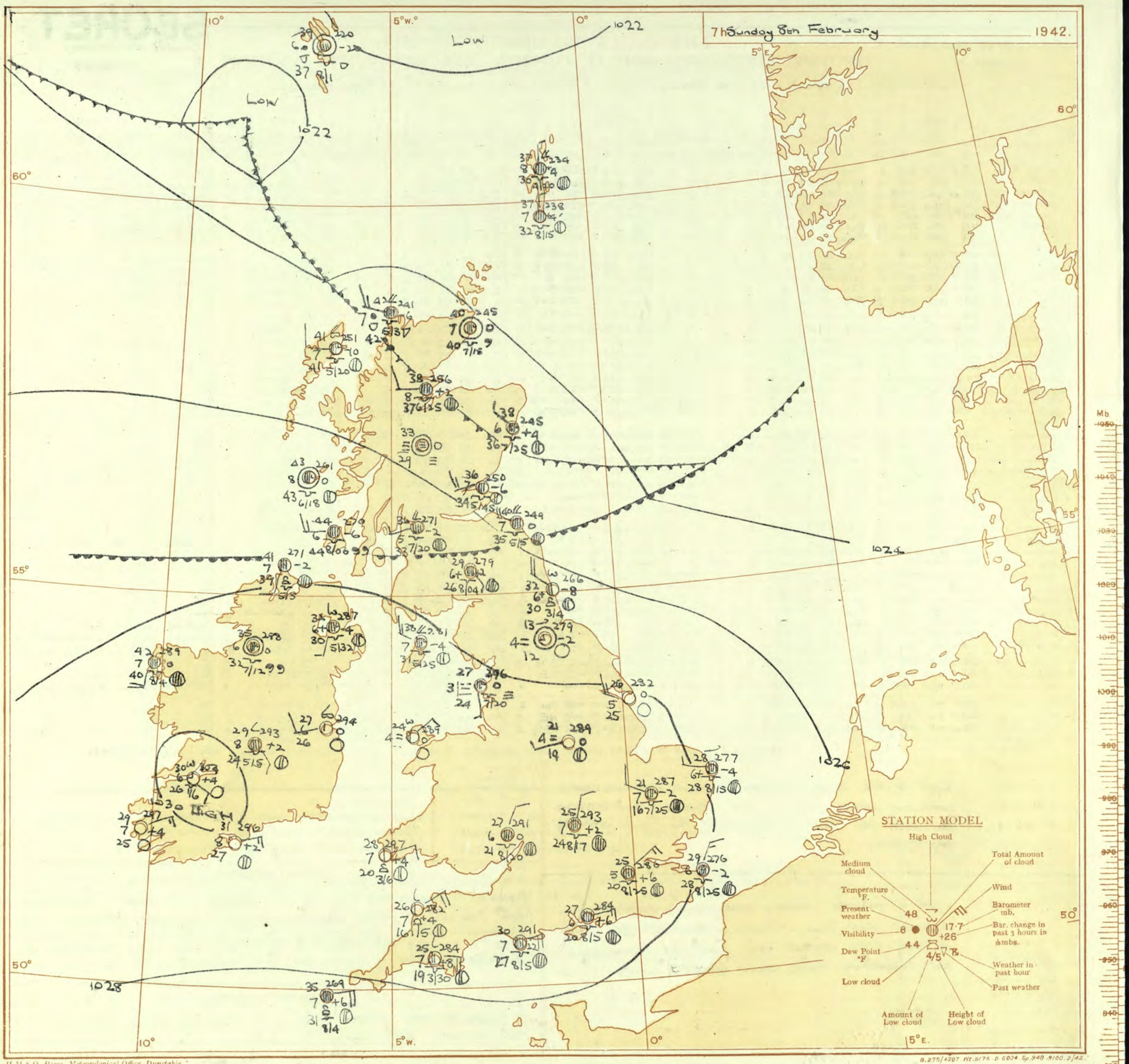
FURTHER OUTLOOK

A return of cold weather likely in England and Wales. Wintry showers near East coast.

Forecasts issued at 10.30 G.M.T

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

7h Sunday 8th February 1942.



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

S.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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.

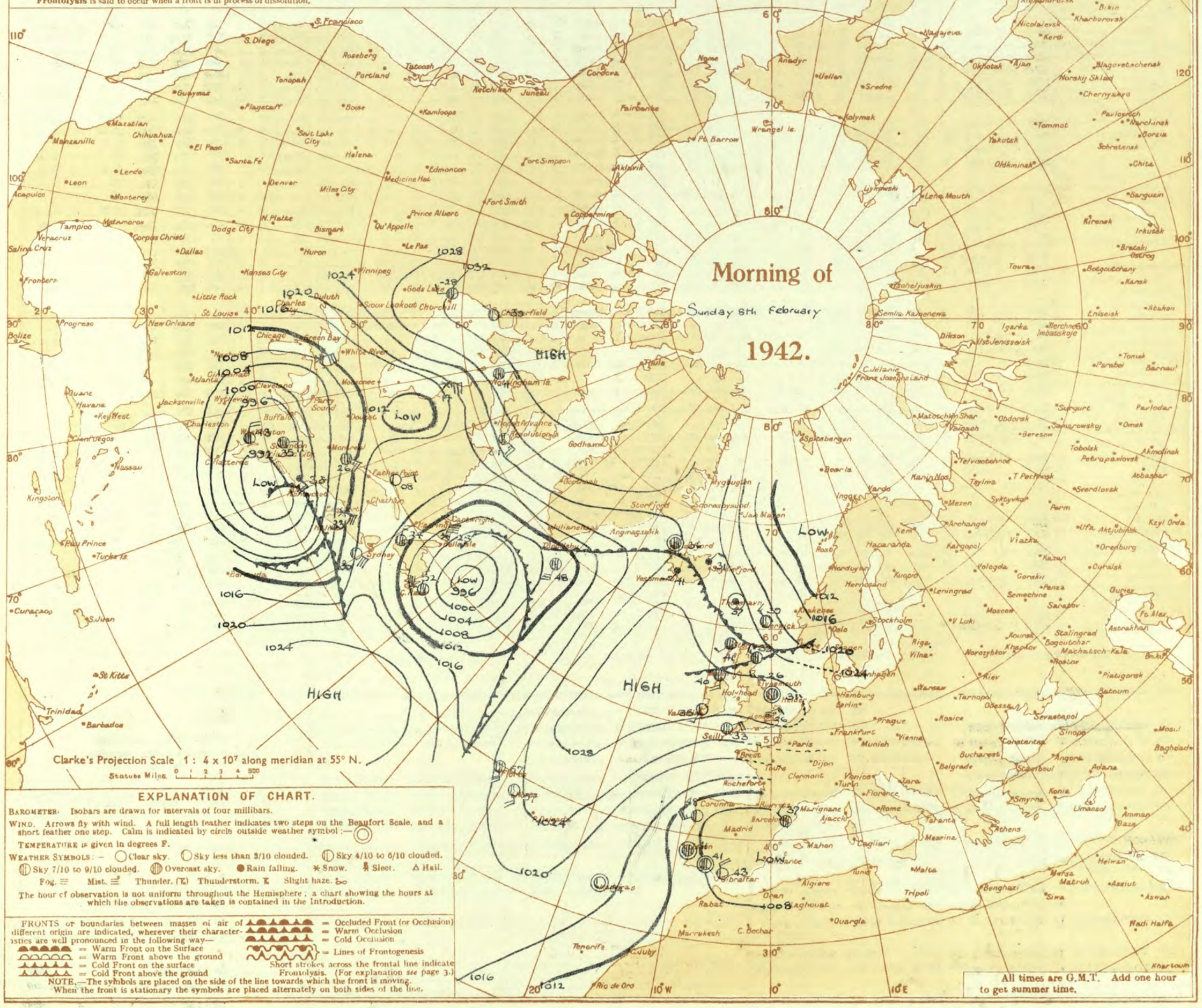
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Page 4.

BRITISH SECTION

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

Sunday 8th February 1942

No. 29298

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*
	Croydon	217	28·1	+8	NE	3	m	26	92	22	4	5	-	-	10	10	2700
	S. Farnborough	226	28·6	+6	NE'E	3	z	26	75	21	6	5	·	-	10	10	2000
	Boscombe Down	417	28·8	+10	ENE	4	z	24	85	21	6	5	-	-	10	10	1100
	Thorney Island	10	27·9	+10	ENE	3	z	28	75	21	6	5	-	-	10	10	2300
	Lympne	346	27·2	+10	NE	3	o	25	85	20	6	5	-	-	10	10	900
	Manston	154	27·8	+8	NE'E	4	z	26	97	26	6	5	-	-	10	10	2300
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	28·1	+2	NNE	2	o	28	75	21	7	5	-	-	10	10	2200
	Gorleston	5	28·3	+2	NE	2	z	28	85	22	6	5	-	-	10	10	1500
	Mildenhall	19	29·2	+2	NE'N	1	z	27	75	22	6	5	-	-	10	10	1900
	Cranwell	240	29·4	+2	NE	2	z	27	92	25	6	5	-	-	10	10	1800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	29·2	+6	E'N	3	z	25	85	19	6	5	-	-	10	10	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·8	+14	NE	4	b	29	65	20	7	-	-	-	0	0	-
	Bristol	20	29·3	+10	E'N	2	z	26	85	22	6	5	-	-	10	10	1300
	Portland Bill	32	26·8	+14	ENE	4	o	30	85	27	7	5	-	-	10	10	2500
	Plymouth	82	27·2	+14	ENE	4	z	30	75	24	6	5	-	-	10	10	2500
	The Lizard	240	25·5	+4	NE	5	c	33	75	32	6	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	25·8	+4	E'N	4	c	33	75	26	7	8	2	·	7-8	10	1200
	Guernsey	175															
6	Pembroke	142	29·2	+6	NE	4	bc	30	65	22	8	2	-	-	4-6	4-6	2500
7	Holyhead	26	29·5	+6	NE	1	m	27	85	23	4	-	-	-	0	0	-
	Chester (Sealand)	16	30·1	+2	-	0	bf	23	92	19	3	5	-	-	Tr	Tr	3000
8	Manchester	235	30·2	+4	-	0	z	23	85	18	5	-	-	-	0	0	-
10	Spurn Head	29	28·8	0	-	0	o	31	97	30	7	5	-	-	10	10	1500
	Catterick	175	29·6	-6	-	0	z	16	97	15	6	-	-	-	0	0	-
	Tynemouth	108	28·6	-6	W	3	bcf	26	92	23	3	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	26·3	-6	WSW	3	bc	34	92	31	7	4	4	·	2-3	4-6	2500
	Leuchars	36	26·0	-6	WSW	4	z	32	85	30	6	·	-	-	0	0	-
12	Renfrew (Abbots I.)	19	27·7	-2	W'S	3	z	35	92	32	6	5	7	-	4-6	10	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	29·4	0	WSW	2	b	28	85	24	8	-	4	·	0	Tr	-*
13A	Tiree	22	25·8	0	W'N	1	c	43	97	42	7	5	-	-	7-8	7-8	1800
13B	Stornoway	80	26·1	+6	WSW	1	c	41	97	41	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Wick	119	24·4	+2	W'N	2	df	38	97	38	3	-	-	-	10	10	<150
16	Sumburgh	30	23·2	+10	NNW	1	b	38	85	35	7	5	-	-	1	1	1200
17	Blacksod Point	18	29·0	+2	-	0	bc	42	92	40	8	4	-	-	4-6	4-6	2500
18	Malin Head	84	28·0	+2	S'E	3	c	40	85	36	6	9	-	-	7-8	7-8	1500
	Aldergrove	268	30·1	+4	SSW	1	z	31	92	29	6	5	-	-	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29·2	+10	SSW	1	z	35	85	31	6	-	-	-	0	0	-
	Roches Point	22	29·2	+12	NE'E	4	bc	38	75	31	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 8th 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)	29·0	+4	NE'N	2	z	27	75	20	6	5	-	-	10	10	1500	3	*
Croydon	28·6	+6	NE	3	z	25	85	20	5	5	-	-	10	10	2500	8	*
S. Farnborough	28·9	+2	NNE	2	z	25	75	19	6	5	-	-	9+	9+	1500	3	*
Boscombe Down	29·3	+6	NE	3	c	23	75	17	7	5	-	-	10	10	1000	4	*
Thorney Island	28·4	+6	ENE	3	z	27	75	21	6	5	-	-	10	10	2500	3	*
Lympne	27·2	+2	NNE	1	c	27	85	22	8	5	-	-	10	10	1000	9	§3
Manston	27·6	-2	NE'N	3	z	29	97	28	6	5	-	-	10	10	2500	9	3
Shoeburyness	28·2	+4	N'E	2	c	28	75	24	5	5	-	-	10	10	2500	8	*
Felixstowe	28·1	+2	N	2	c	27	75	18	7	5	-	-	10	10	2600	8	2
Gorleston	27·7	-4	WNW	1	z	28	92	28	6	5	-	1	10	10	1500	5	3
Mildenhall	28·7	-2	NW'W	2	c	27	75	20	7	5	-	-	9+	9+	2500	8	*
Cranwell	28·5	-6	WSW	2	b	21	97	20	7	5	-	-	1	1	2000	8	*
Birmingham	29·2	+2	N	2	z	25	75	18	5	5	-	-	9+	9+	4000	4	*
Upper Heyford	29·3	+2	NNE	2	c	25	85	21	7	5	-	-	10	10	1700	4	*
Ross-on-Wye	29·1	0	NNE	2	c	27	75	21	6	5	-	-	10	10	2000	3	*
Hartland Point	28·2	+4	NE	4	bc	26	65	16	7	1	4	-	Tr	2-3	2500	3	4
Bristol	29·6	+2	E	2	z	25	85	20	6	5	-	-	9+	9+	1800	4	*
Portland Bill	29·1	+22	ENE	4	o	30	85	27	7	5	-	-	10	10	2500	1	4
Plymouth	28·4	+8	E	4	bc	25	75	19	7	5	4	-	2-3	4-6	3000	3	3
The Lizard	26·3	+4	NE	4	c	33	92	32	7	8	2	-	9	10	1500	0	4
Scilly (St. Mary's)	26·9	+6	E'N	4	c	35	85	31	7	8	-	-	10	10	1500	1	4
Guernsey																	
Pembroke	29·7	+4	ENE	2	bc	28	75	20	7	2	-	-	2-3	2-3	4000	3	2
Holyhead	28·9	0	NE	2	m	24		·	4	-	3	5	0	2-3	-	3	1
Chester (Sealand)	29·6	+2	-	0	m	21	92	18	4	5	-	-	4-6	4-6	2600	3	*
Manchester	29·8	0	-	0	z	21	85	17	5	·	3	·	0	2-3	·	4	*
Spurn Head	28·2	0	W'N	3	z	26	97	25	5	-	-	-	0	0	-	8	3
Catterick	27·9	-2	-	0	m	13	97	12	4	-	-	1	0	1	-	8	*
Tynemouth	26·6	-8	NW	4	z	32	92	31	6	2	3	-	2-3	4-6	1500	4	3
St. Abbs Head	24·9	0	WNW	4	c	40	85	35	7	5	2	-	7-8	10	2500	4	2
Leuchars	25·0	-6	WSW	3	c	36	92	34	7	5	-	-	7-8	7-8	4500	8	*
Renfrew (Abbots I.)	27·1	-2	WSW	1	z	36	85	33	5	5	2	-	9+	10	2000	8	*
Eskdalemuir	27·9	+2	SE	1	o	29	92	26	6	5	-	-	10	10	400	9	*
Point of Ayre	28·1	-4	NW'W	3	c	38	75	31	7	5	2	-	7-8	9	2500	3	2
Tiree	26·1	0	-	0	c	43	97	43	8	5	-	-	9	9	1800	0	3
Stornoway	25·1	-10	W	2	c	41	97	41	7	5	7	-	7-8	9+	2000	1	1
Dalwhinnie	27·3	0	-	0	f	33	85	29	2	-	-	-	10	10	<150	6	*
Aberdeen	24·5	+4	NW	1	c	38	92	36	6	5	-	-	9+	9+	2500	6	2
Wick	24·5	0	-	0	c	40	97	40	7	5	-	-	9+	9+	1500	1	*
Sumburgh	23·8	+4	N	1	c	37	85	32	7	5	-	-	10	10	1600	1	3
Blacksod Point	28·9	0	SSW	4	c	42	92	40	7	5	-	-	10	10	1500	0	3
Malin Head	27·1	-2	SSW	2	c	41	92	38	7	8	-	-	7-8	7-8	2500	0	3
Aldergrove	28·7	-4	S'W	1	z	32	92	30	6	5	5	-	7-8	9+	3200	3	*
Birr Castle	29·5	+2	SE	1	c	29	85	25	8	5	1	-	7-8	10	2500	1	*
Valentia Obsy.	29·7	+4	NE'E	3	b	29	85	25	7	-	-	-	0	0	-	3	
Roches Point	29·6	+2	E'N	3	b	31	85	27	8	-	-	-	0	0	-	1	3

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)	Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
London (Kew)	30	26	25	Tr	-	0·0
Croydon	29	25	24	0·4	Tr	0·7
S. Farnborough	31	24	24	Tr	-	0·5
Boscombe Down	30	22	22	Tr	-	0·2
Thorney Island	34	24	22	Tr	Tr	*
Lympne	29	25	24	0·2	-	0·0
Manston	30	25	22	0·9	-	0·0
Shoeburyness	30	27	27	0·4	Tr	0·0
Felixstowe	30	26	26	0·2	-	0·0
Gorleston	30	26	26	0·2	-	*
Mildenhall	29	25	25	Tr	-	0·0
Cranwell	31	21	20	0·2	-	0·0
Birmingham	30	25	21	Tr	-	0·0
Upper Heyford	29	24	24	Tr	-	*
Ross-on-Wye	31	27	26	0·2	-	0·0
Hartland Point	40	26	24	-	-	2·8
Bristol	31	25	24	Tr	-	0·0
Portland Bill	34	28	*	-	-	*
Plymouth	37	25	21	0·6	-	0·7
The Lizard	38	30	*	-	-	0·3
Scilly (St. Mary's)	44	31	*	3	-	1·8
Guernsey						
Pembroke	40	24	*	-	-	0·3
Holyhead	42	23	18	-	-	*
Chester (Sealand)	34	21	20	Tr	-	0·0
Manchester	33	20	14	Tr	-	*
Spurn Head	32	25	*	Tr	-	0·0
Catterick	33	12	13	Tr	-	1·7
Tynemouth	36	26	24	-	-	*
St. Abbs Head	35	31	*	-	·	*
Leuchars	39	32	29	Tr	-	2·4
Renfrew (Abbots I.)	39	32	29	-	-	0·2
Eskdalemuir	35	18	15	-	-	4·8
Point of Ayre	41	27	*	-	-	0·4
Tiree	47	41	*	Tr	2	4·7
Stornoway	46	41	*	0·4	Tr	0·3
Dalwhinnie	38	33	31	-	-	0·8
Aberdeen	39	35	31	0·3	-	3·0
Wick	46	38	37	-	0·6	*
Sumburgh	(44)	36	30	Tr	Tr	0·0
Blacksod Point	48	37	*	Tr	-	*
Malin Head	45	36		-	0·4	0·0
Aldergrove	40	29	25	-	-	0·7
Birr Castle	46	25	22	-	-	3·7
Valentia Obsy.	48	29	24	-	-	
Roches Point	47	30	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 7th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	21638	20458	5-	21636	23456	5-	02866	28266	67	02864	26126
115										52	81735	26388
203	5-	03838	16478	6·	54728	16558				6-	51828	16458
206	52	00961	24212	5-	02857	20327	5-	01854	24324	57	02856	24228
210	13	01841	22325	57	21967	20358	5-	21645	21355	57	01756	21358
220	52	52425	18258	80	02637	00057						
230	53	05663	18114	5-	05658	00018	57	05647	19227	5-	51648	00058
245	54	05644	20256	52	02752	20218	50	05664	24124	57	02763	24115
260										5-	05666	24426
278	54	02875	03326	53	05563	14224	5-	05668	14128	5-	05667	10127
279	83	05655	03215	00	01790	05214	50	05590	00000	57	05645	18227
285												
288	50	01865	08285	5-	02766	13116	00	05590	20100	50	00861	18102
575				04	05790	07212	5-	05648	00018	5-	21647	00057
301	5-	05556	08276	50	05553	08314	00	43390	00040	5-	47357	14147
321												
299	5-	02757	08327	53	02757	08217	50	01764	00014	50	00762	24202
292	8-	02866	02376	53	01863	02123	50	05651	00001	50	08461	04103
310												
614	26	02765	06576	5-	02768	06228	5-	08458	00028	00	08400	22160

III	13h. G.M.T. 7th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	05653	06463	50	01762	06414	5-	00652	00012	00	00690	00000
334	--	03447	0328	--	02544	08315						
340	5-	23636	06377	5·	02757	07427	5-	05658	08228	54	05661	00012
136	5-	87868	07388	5-	02748	07288	5-	02758	05288	5-	02857	28227
336	--	77209	04379	57	02756	08428						
350	8-	23748	37378	5·	05648	39478	5-	78648	07378	5-	05648	30178
368	52	05645	02478	50	02648	07578	5-	05698	06428	5-	0658	06328
379	5-	23848	06478	5-	02748	26126	5-	05648	06328	5-	05647	06127
390	5-	72648	04378	5-	23648	04478	5-	05548	04328	5-	05648	03228
382	57	02847	37428	5-	02747	05477	5-	05638	04128	5-	05648	00028
438										5-	02748	32328
430	5-	72647	04377	8-	71658	37578	5-	05658	35478	5-	02858	01428
409				5-	02857	04427	5-	02758	05328	04	05690	06203

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

§ Sea disturbance reported from Dungeness.

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

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	Afternoon	Night
Kew	ciSozo	CiSo, C2o	C2oC2o
Croydon	MoCmSoSo	SoSoSsiSo	CmSoCmCmo
Greenwich	ciSo	SpSSc	c
Camden Square	bc	bc	*
Kensington	cbc	c	*
Hampstead	bcx	bcxs	ox

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0·2 7th 11hrs
Min. Time <0·1 16h 8th

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	30	26	25	Tr	-	0·0	*	*
Croydon	29	25	24	0·4	Tr	0·7	*	*
Greenwich	29	25	24	0·8	-	0·3	87	73
Westminster	31	27	-	-	-	*	97	95
Regents Park	*	*	*	*	*	*	*	*
Camden Square	30	25	24	-	-	*	*	84
Kensington	30	25	24	Tr	-	*	82	94
Hampstead	28	24	21	Tr	-	*	*	96

SECRET

Page 1 BRITISH SECTION

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

Monday 9th February 1942

No. 29299

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	28.3	-14	NW'N	2	z.	29	65	20	5	-	-	-	0	0	-
	Croydon	28.5	-10	NE	1	m	28	85	21	4	5	-	-	9	9	2500
	S. Farnborough	29.1	-10	NNE	2	z.	30	65	19	6	5	-	-	7-8	7-8	2500
	Boscombe Down	29.5	-6	-	0	c	28	75	21	7	5	-	-	7-8	7-8	3000
	Thorney Island	28.9	-8	NE	2	z.	30	65	21	6	5	-	-	4-6	4-6	4000
	Lympne	27.7	-6	NNW	2	c	29	85	26	8	5	-	-	10	10	2200
	Manston	27.5	-10	N	3	c	29	75	26	7	5	-	-	9+	9+	2500
2	Shoeburyness	28.3	-12	N'W	1	c	30	65	21	8	7	-	-	9	9	3500
	Felixstowe	27.9	-10	NNW	2	c	33	55	20	8	5	-	-	4-6	4-6	3000
	Gorleston	27.4	-8	NW'N	3	z.	32	85	29	6	5	3	-	4-6	7-8	2000
	Mildenhall	28.3	-14	W	2	bc	32	65	23	8	-	-	6	0	4-6	-
	Cranwell	27.4	-10	W	3	m	31	75	24	4	-	-	2	0	4-6	-
3	Birmingham	28.3	-6	WNW	2	m	32	75	26	4	-	-	-	0	0	-
	Upper Heyford	28.8	-14	W	2	z.	29	76	22	6	-	-	6	0	7-8	-
4	Ross-on-Wye	28.8	-10	W'S	1	b	32	75	24	7	-	-	1	0	1	-
5	Hartland Point	29.3	-4	N	2	c	32	75	26	7	7	-	-	7-8	7-8	2500
	Bristol	29.8	-10	NNE	2	z.	30	65	22	5	5	-	-	4-6	4-6	3000
	Portland Bill	29.0	-14	NE	4	c	27	85	23	8	2	-	-	9	9	4000
	Plymouth	29.3	-8	NW	1	z.	34	85	29	6	-	-	-	0	0	.
	The Lizard	28.0	+4	NE	3	bc	36	75	30	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	28.0	-2	NE'E	3	c	38	65	32	7	8	-	-	9	9	1200
	Guernsey															
6	Pembroke	30.2	-4	N'W	1	z.	35	65	26	6	2	4	-	2-3	2-3	3000
7	Holyhead	28.7	-6	SSW	1	z.	38	85	33	6	5	3	-	7-8	9+	4000
	Chester (Sealand)	28.5	-10	-	0	cf+	33	75	28	2	5	-	-	10	10	2500
8	Manchester	28.8	-10	-	0	m	30	75	22	4	5	-	-	10	10	2500
10	Spurn Head	26.6	-10	W'N	3	m	33	92	31	4	5	4	-	2-3	4-6	4000
	Catterick	26.7	-10	W	3	c/f	38	75	32	6	5	2	-	7-8	10	2500
	Tynemouth	26.8	-4	W	3	z.	36	85	32	6	5	.	.	9+	9+	2300
11	St. Abbs Head	25.0	-2	WNW	3	c	40	97	39	7	5	2	-	7-8	9+	2500
	Leuchars	24.4	-10	W	3	z.	38	85	34	6	5	-	-	10	10	3200
12	Renfrew (Abbots I.)	26.0	-14	W	1	m	39	92	37	4	5	2	-	9+	10	2500
	Eskdalemuir	27.2	-4	SSE	1	o	32	85	30	6	5	-	-	10	10	400
	Point of Ayre	28.0	-2	W'N	4	c	40	85	35	8	5	2	.	7-8	10	6000
13A	Tiree	26.0	-4	NNW	2	bc	47	92	46	8	8	3	-	4-6	4-6	2500
13B	Stornoway	24.3	-6	NW	5	pr	46	92	44	7	8	7	-	7-8	10	1800
15	Dalwhinnie	25.6	-8	W	3	c	39	85	34	8	5	-	.	9	9	2500
	Aberdeen	23.5	-16	NW'W	1	c	41	85	37	5	5	-	-	9+	9+	2500
	Wick	22.6	-14	SW	2	id.	42	97	41	7	5	2	-	4-6	10	400
16	Sumburgh	21.6	-18	-	0	id.	38	85	33	7	5	.	.	10	10	3500
17	Blacksod Point	29.5	-2	SW	1	c	47	92	45	7	5	-	.	7-8	7-8	800
18	Malin Head	26.9	-6	W	3	id.	46	97	45	7	8	-	.	9	9	1500
	Aldergrove	28.6	-10	SSW	2	c/d	36	97	35	6	5	-	-	10	10	2500
19	Birr Castle	30.3	-6	SE	2	c	37	85	33	7	5	1	-	7-8	10	2500
20	Valentia Obsy.	30.3	0	-	0	b	41	75	35	7	5	3	-	Tr	1	4000
	Roches Point	31.0	-2	N	3	bc	39	65	29	7	-	-	5	0	2-3	-

OBSERVATIONS at 18h. G.M.T. 8th 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. (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)
London (Kew)	26.9	-4	WSW	1	m	29	75	23	4	-	-	-	0	0	-
Croydon	27.1	-2	WSW	1	bf+	24	85	20	2	-	-	-	0	0	-
S. Farnborough	27.1	-2	WNW	1	z.	29	75	23	6	-	-	7	0	9+	-
Boscombe Down	27.9	-4	NW'N	2	z.	29	75	23	6	-	-	2	0	2-3	-
Thorney Island	27.5	-2	-	0	z.	27	75	21	6	-	-	6	0	4-6	-
Lympne	27.1	+2	NW	1	bc	22	85	19	6	-	-	2	0	2-3	-
Manston	26.6	-2	-	0	z.	24	92	23	5	-	-	1	0	1	-
Shoeburyness	26.7	-8	NW	1	bc	26	75	21	6	-	-	1	0	2-3	-
Felixstowe	26.3	-14	W'S	2	z.	28	75	19	6	-	-	8	0	4-6	-
Gorleston	25.8	-12	W'N	2	bc	30	85	27	7	-	3	-	0	4-6	-
Mildenhall	26.2	-10	SW'W	2	z.	29	85	25	5	-	3	-	0	Tr	-
Cranwell	25.6	-6	W	3	m	34	75	29	4	5	-	-	10	10	2500
Birmingham	26.7	-6	NW	2	m	33	85	29	4	5	-	-	10	10	800
Upper Heyford	27.1	-4	WNW	2	z.	30	85	27	5	-	-	6	0	7-8	-
Ross-on-Wye	27.4	-6	SSW	1	z.	33	75	27	5	5	-	-	10	10	2000
Hartland Point	27.9	-4	NE	2	bc	34	75	25	7	5	4	-	1	2-3	2500
Bristol	27.9	-6	-	0	m	28	92	25	4	5	-	8	1	4-6	3500
Portland Bill	27.2	+2	N	3	bc	28	75	24	8	4	-	-	4-6	4-6	4000
Plymouth	28.1	-2	N	1	z.	33	92	30	5	-	-	1	0	Tr	-
The Lizard	28.0	+2	N'E	2	bc	31	85	27	8	8	-	-	2-3	2-3	2500
Scilly (St. Mary's)	28.1	0	NE	3	c	36	75	27	8	8	-	-	7-8	7-8	1500
Guernsey															
Pembroke	28.5	+2	NW'N	1	bc	35	85	28	6	2	-	8	2-3	4-6	4000
Holyhead	27.2	-2	WSW	2	z.	39	85	34	6	5	-	-	10	10	2500
Chester (Sealand)	26.6	-8	W'N	3	z.	37	85	32	5	5	-	-	10	10	2000
Manchester	27.1	-4	-	0	id.	32	85	27	4	-	2	-	10	10	2000
Spurn Head	24.9	0	WNW	3	f	35	85	33	3	5	3	-	7-8	9+	2500
Catterick	25.8	+10	WNW	2	z.	37	85	34	6	5	-	-	10	10	2800
Tynemouth	25.2	+4	W	3	c	36	85	33	6	5	.	-	9+	9+	2400
St. Abbs Head	22.6	-8	NW	3	z.	41	85	32	5	5	7	-	7-8	10	1500
Leuchars	22.9	-6	WSW	2	z.	36	92	34	6	5	-	1	9+	9+	3000
Renfrew (Abbots I.)	24.2	-6	-	0	z.	39	97	38	5	5	.	-	9+	9+	1400
Eskdalemuir	25.1	-4	SW'S	2	d.d.	33	92	32	4	-	2	-	10	10	<150
Point of Ayre	26.2	-4	W'N	2	d.d.	41	92	39	8	5	2	.	9	10	1500
Tiree	25.5	0	NW'N	2	c	45	97	45	8	8	-	-	7-8	7-8	2100
Stornoway	23.3	-4	WNW	3	c/pr	44	92	42	8	5	7	2	4-6	9	2000
Dalwhinnie	23.1	-6	NW	1	c	37	85	36	7	5	-	-	9	9	2500
Aberdeen	21.6	-14	-	0	id.	40	85	37	6	5	-	-	10	10	2500
Wick	20.9	-2	WNW	3	c	41	97	40	8	5	3	-	7-8	9	600
Sumburgh	20.2	+2	NNW	1	c/r	36	97	36	7	5	-	-	9+	9+	1000
Blacksod Point	28.9	+2	-	0	r.	45	97	44	7	6	.	.	10	10	800
Malin Head	26.3	-2	NNW	3	c/d	45	92	43	7	3	-	.	7-8	7-8	1500
Aldergrove	27.0	-4	S	1	df	40	97	40	3	-	-	-	10	10	<150
Birr Castle	28.9	-2	NNW	2	c	39	85	35	7	5	-	-	10	10	2500
Valentia Obsy.	30.1	-2	-	0	o	43	75	37	7	5	-	-	10	10	4000
Roches Point	29.3	-6	NNW	2	z.	40	85	36	6	5	-	5	4-6	4-6	2500

PAST 24 HOURS.

Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 8th (39)	13h.—18h. 8th (40)	18h. 8th to 1h. 9th (41)	1h.–7h. 9th (42)
London (Kew)	3	*	cbcbz.	bz.bm	bmoff	offx
Croydon	8	*	cm.cm	cmbfbcm	bfxbcf	cfcmd.
S. Farnborough	3	*	bbcz.	boz.b,cz.	cz.bm.bc	ffofoc
Boscombe Down	3	*	cbc	bc,bcm.	bm.bcm.	cishcm.
Thorney Island	3	*	cm.bcm.	bcz.	bm	cmfofom.
Lympne	9	§ 3	c	cbbm.	b,cmox	cmxcm
Manston	9	*	c,is.m.,c	c,bcbm.	bm.cm	cmfofof
Shoeburyness	8	*	cm.c	cbcbm.	xbm.bcm.	ef
Felixstowe	4	2	cbcy	bcybcbbc	b,cifo om	omcifomcm
Gorleston	5	1	cz.	cbc	cm.	cffend.
Mildenhall	8	*	cczo.is.bc	cbcbm.	bccm.cm	cmoffofo
Cranwell	8	*	bm.bcm	bccm	cfifo	cfomf
Birmingham	4	*	cbz	bccm	cof	offifo
Upper Heyford	4	*	cbbcc	cbccmo	cm.id.	fofom.cm
Ross-on-Wye	1	*	cb	bccbz	cm.	cm.fo
Hartland Point	3	2	bcc	cbc	bcb	bccifc
Bristol	3	*	cbcm.	bcm.m	bcbmc	cfoSodod.
Portland Bill	1	4	c	bc	bcbc	c
Plymouth	3	2	cbcc	bm.	bm	bmcmox
The Lizard	3	3	bcc	bc	bcx	bcco
Scilly (St. Mary's)	1	4	cbco	c	cbcc	cbcc
Guernsey						
Pembroke	1	2	bcm.	bcz.	bccz.	cfofo
Holyhead	1	1	bcmxc	cm.	cid.m.	cdodom.
Chester (Sealand)	0	*	xbccff	cffmm.	cm.ifom	cmifom.
Manchester	4	*	cmoz	omid.	id.m.	idomf
Spurn Head	8	3	bcm	cmcm.c	omfo	om
Catterick	5	*	cmxfxm.	cm.	cm.bcifom.	cm.fo.cm.
Tynemouth	4	3	c	c	cm.	cm.f
St. Abbs Head	4	2	c	cm.	cm.ifo	m.idbc
Leuchars	6	*	cbccm.	cm.	cbcm.dobc	bcc
Renfrew (Abbots I.)	6	*	m.id.cm	cmd.d.om.	bbcbm.	bcm.mx
Eskdalemuir	9	*	om.	od.d.	dodoc	bcm.
Point of Ayre	1		c	cd.d.	dodoidoc	cbcc
Tiree	0	3	prbc	c	bccpr	c
Stornoway	1	2	cpr	cpr	cpr	cpr
Dalwhinnie	6	*	f,oc	c	*	cbcf
Aberdeen	6	2	cz.	cid.z.	bz.	bz.
Wick	1	*	dodoid.	cm.id.c	dofobcc	bc
Sumburgh	1	3	cid.	d.d.rdm.	c,bbx,cx	cx
Blacksod Point	1	2	c	r	c	pr
Malin Head	1	3	d	d	c	bc
Aldergrove	1	*	cid.m.	d.doff	dofcid.	dod.odof
Birr Castle	1	*	bc	c	.	d
Valentia Obsy.	1	1	bc	bc	c	pr
Roches Point	1	3	b	b	c	d

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

Districts	Forecast
1 S.E. England 2 E. England	Light wind between west and north. Mainly dull and misty with some slight rain or drizzle, very slight snow locally; cold but slight thaw.
3 E. Midlands	AS 1 in South.
4 W. Midlands	AS 7-10 in North.
5 S.W. England 6 South Wales	Light N.W. to N. wind, variable cloud, occasional slight rain, rather low temperature.
7 North Wales 8 N.W. England 9 N. Midlands 10 N.E. England	Light N.W. wind; cloudy, occasional slight rain or drizzle, clearing later. Rather cold but slow thaw, fog in places tonight.
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 light N. wind, backing West to Southwest later. Variable cloud and occasional showers at first, dull with snow or sleet in east turning to rain later, rain in the west; cold at first in east rather mild in west.
16 Orkneys and Shetlands	As 11 - 15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate N.W. winds; cloudy; local drizzle; rather mild.

GENERAL INFERENCE

Pressure remains highest westward of Ireland. A small disturbance off East Anglia is moving S.S.E. and another depression is developing between Scotland and Iceland and will move S.E. Weather will be generally cloudy or dull with some occasional drizzle or light rain with fog at times in the eastern half of the country. Thaw conditions will continue.

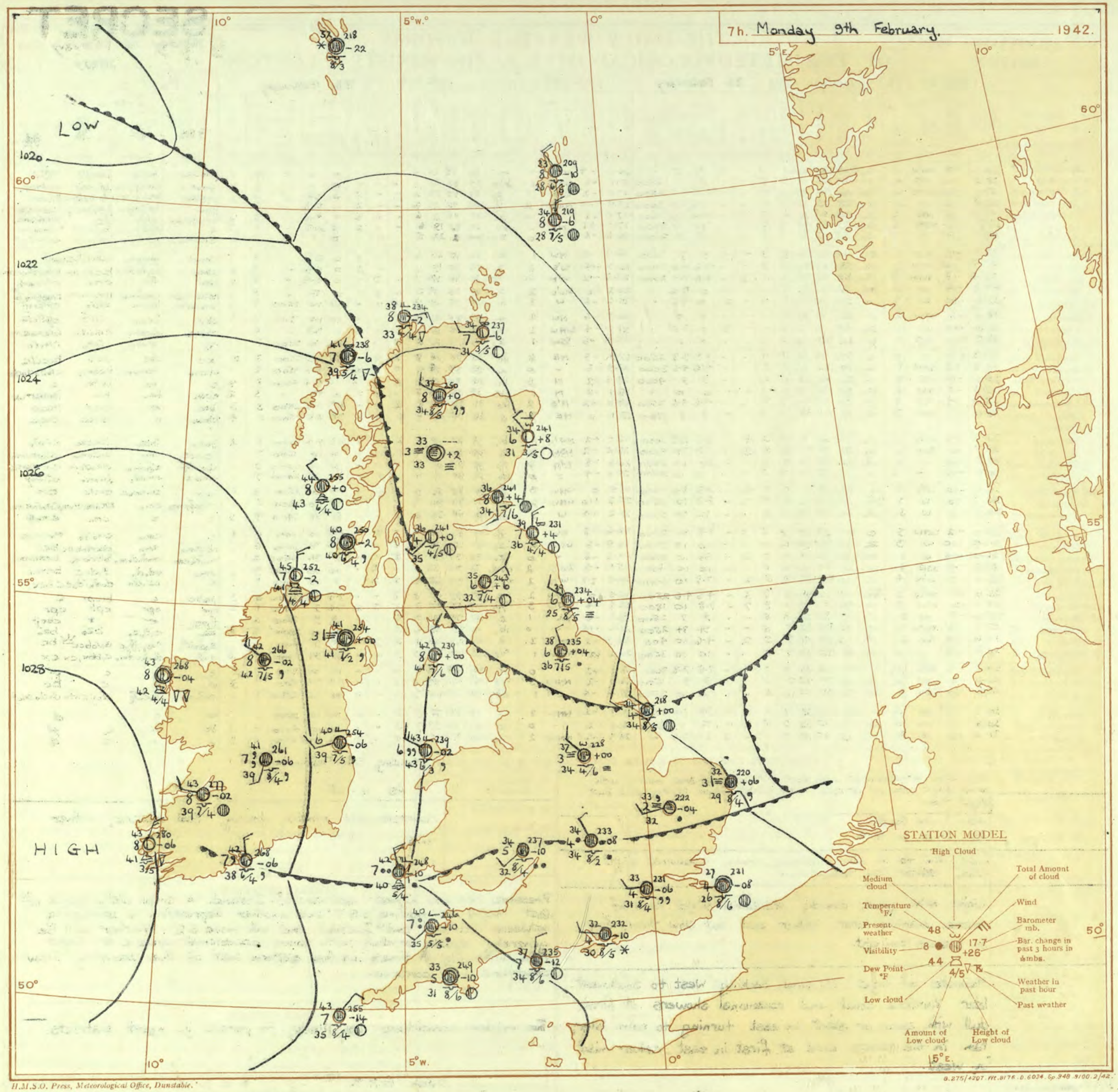
FURTHER OUTLOOK

The milder conditions are likely to persist in most districts.

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

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

7h. Monday 9th February. 1942.



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

6.275/4207. Wt.8176. D.6034. 6p.948. 9100. 2/42.

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.

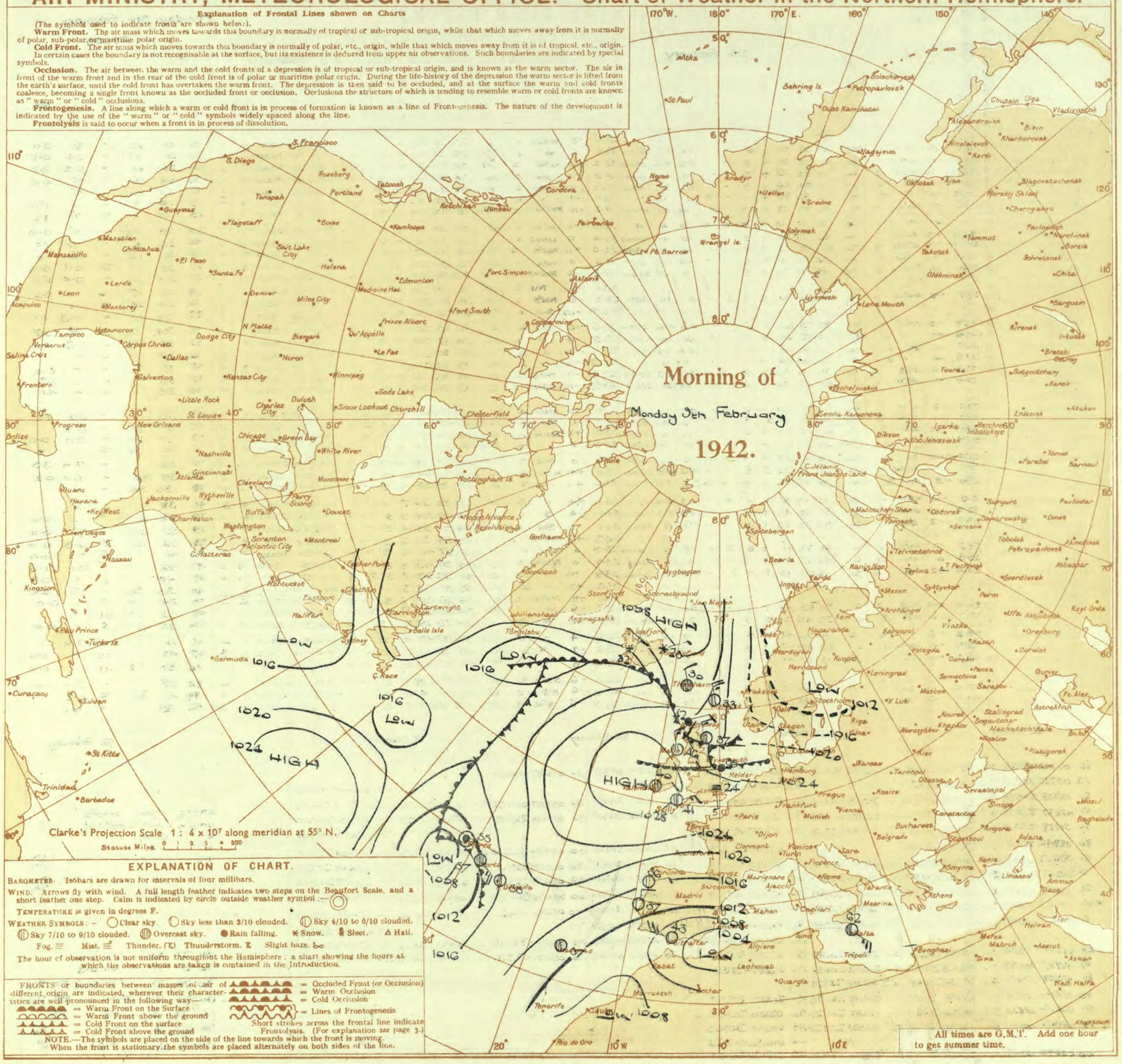
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Monday 9th February 1942

No. 23.239

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)	°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	*	*	*	*	*	27	*	*	*	*	*	*	*	*	*
	Croydon ...	217	25·2	-16	S	1	bcf	24	97	22	3	5	-	-	4·6	4·6	3000
	S. Farnborough	226	26·8	-14	W'N	1	m	27	92	26	4	5	-	-	4·6	4·6	3000
	Boscombe Down	417	26·5	-12	NNW	3	zo	29	92	29	5	5	-	-	10	10	3000
	Thorney Island	10	25·7	-12	NW	2	m	26	92	24	4	5	-	-	Tr	Tr	4000
	Lympne ...	346	25·4	-14	-	0	m	23	85	20	4	-	-	7	0	10	-
	Manston ...	154	24·5	-14	NW'W	2	m	28	85	25	4	5	-	-	10	10	1400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	24·2	-12	NW'W		m	30	85	25	4	5	-	-	10	10	2400
	Gorleston ...	5	24·4	-8	N'W'N	3	zo	32	85	29	5	5	-	-	10	10	1500
	Mildenhall ...	19	24·3	-14	SW	2	m	32	85	28	4	5	-	-	10	10	3100
	Cranwell ...	240	24·0	-12	W	3	cf	35	97	34	3	5	-	-	10	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·7	-12	NW'W	2	ifo	33	92	31	5	5	2	-	9	10	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·8	-10	NNE	3	bc	39	75	32	7	5	-	-	4·6	4·6	2500
	Bristol ...	209	26·6	-10	-	0	of+	30	85	26	3	5	-	-	10	10	2700
	Portland Bill ...	32	26·7	-4	N	1	bc	32	85	29	7	5	-	-	4·6	4·6	4000
	Plymouth ...	82	27·5	-4	-	0	m	30	92	28	4	-	-	-	0	0	-
	The Lizard ...	240	27·5	-6	NNE	2	bc	34	85	30	7	4	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	27·9	-2	NE'N	3	c	41	65	32	7	5	-	-	9+	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	27·2	-8	N'W	1	zo	40	75	34	6	8	-	-	9	9	2500
7	Holyhead ...	26	25·2	-12	NW'W	3	o/d	42	97	41	5	5	-	-	10	10	600
	Chester (Sealand)	16	24·4	-12	W'W	3	ifo	41	92	39	4	5	-	-	10	10	1100
8	Manchester ...	235	25·5	-4	-	0	dodo	34	97	33	4	-	2	-	10	10	2500
10	Spurn Head ...	29	23·2	-10	W	2	fofo	35	97	34	4	-	2	-	10	10	2500
	Catterick ...	175	23·1	-10	WNW	1	ifo	39	85	35	5	5	-	-	4·6	4·6	2600
	Tynemouth ...	108	23·1	-8	W	3	bo	37	85	34	6	8	*	*	7·8	7·8	2500
11	St. Abbs Head	280	21·5	-6	WNW	4	bc	42	85	37	6	4	4	-	2·3	4·6	1500
	Leuchars ...	36	22·2	-6	WNW	2	bc	39	85	33	8	5	-	-	2·3	2·3	4000
12	Renfrew (Abbots L.)	19	23·7	-2	SW	1	zo	38	85	33	6	5	-	-	Tr	Tr	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	24·7	-2	NW'W	4	c	48	92	41	8	8	2	*	7·8	10	3000
13A	Tiree	22	25·5	0	NW	3	c	44	97	44	7	8	-	-	9	9	1500
13B	Stornoway ...	80	24·4	+2	NE	2	pc	42	97	42	7	5	7	-	7·8	7·8	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	119	24·0	+14	NNE	3	c	38	85	34	7	5	-	-	9+	9+	2500
16	Sumburgh ...	30	22·7	+6	N'E	3	c	33	65	24	8	5	-	-	9	9	2500
17	Blacksod Point	18	28·2	-6	-	0	c	44	92	42	7	5	-	-	10	10	1500
18	Malin Head ...	84	25·8	-6	NNW	3	c	46	85	42	7	9	-	-	4·6	4·6	1500
	Aldergrove ...	268	26·2	-6	W'S	1	ido	41	97	41	7	5	-	-	10	10	1100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·6	-6	ENE	2	o	40	85	36	7	5	-	-	10	10	4000
	Roches Point	22	23·7	-6	N	4	c	41	85	37	7	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. 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. °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)	22·7	-8	WSW	1	f	32	92	30	2	-	-	-	10	10	<150	3	*
	Croydon ...	23·1	-6	W	1	o/d	33	92	31	4	5	-	-	10	10	1600	7	*
	S. Farnborough	23·2	-10	W'N	2	o/r	33	92	31	4	5	-	-	10	10	2000	3	*
	Boscombe Down	24·0	-10	NW	2	zo	34	85	30	6	5	-	-	10	10	1900	3	*
	Thorney Island	23·2	-10	W'N	2	m	32	92	30	4	5	-	-	10	10	2500	5	*
	Lympne ...	23·1	-8	-	0	m	27	97	26	4	5	-	-	10	10	3000	9	§ 2
	Manston ...	22·3	-10	NW'W	2	of+	31	92	29	3	5	-	-	10	10	2600	9	*
2	Shoeburyness ...	22·6	-2	W'S	1	cf	31	92	29	3	5	-	-	9+	9+	2500	4	*
	Felixstowe ...	22·4	0	WNW	1	m	31	92	29	4	5	-	-	10	10	3500	8	2
	Gorleston ...	22·0	-6	NW'N	2	of+	32	92	29	3	5	-	-	10	10	1500	5	2
	Mildenhall ...	22·2	-4	WSW	2	df	33	97	32	2	-	-	-	10	10	<150	8	*
	Cranwell ...	22·5	-2	NW'N	2	cf-	35	97	34	3	5	-	-	9+	9+	3000	6	*
3	Birmingham ...	23·1	-6	NW	2	dF	36	97	35	1	-	-	-	10	10	<150	4	*
	Upper Heyford	23·3	-8	NW'N	2	ifo	34	97	34	4		-	-	10	10	500	5	*
4	Ross-on-Wye	23·7	-10	SW	1	o/r	34	92	32	5	5	-	-	10	10	1500	1	*
5	Hartland Point	24·6	-10	SW	2	if	40	85	35	7	6	1	-	7·8	10	2500	1	2
	Bristol ...	23·9	-8	-	0	ifo	34	97	33	4	5	-	-	10	10	2500	1	*
	Portland Bill ...	23·5	-12	N	2	c	37	92	34	7	5	-	-	10	10	4000	1	3
	Plymouth ...	24·9	-10	-	0	zo	33	92	31	5	5	-	-	10	10	3000	3	2
	The Lizard ...	25·3	-8	NNE	2	o	38	85	33	7	5	-	-	10	10	1500	0	3
	Scilly (St. Mary's)	25·5	-14	NE'N	2	c	43	75	34	7	5	-	-	10	10	1500	1	4
	Guernsey ...																	
6	Pembroke ...	24·8	-10	NNW	4	fofo	42	92	40	7	8	2	-	7·8	10	2000	1	2
7	Holyhead ...	23·9	-2	NW	3	dodo	43	97	43	6	5	2	-	9	10	600	1	2
	Chester (Sealand)	23·5	+2	NNW	2	zo	39	92	37	6	5	2	-	9+	9+	3300	1	*
8	Manchester ...	23·9	-2	-	0	of+	34	97	33	2	5	-	-	10	10	2500	6	*
10	Spurn Head ...	21·8	0	NW	2	m	34	97	34	4	5	-	-	10	10	2500	6	3
	Catterick ...	23·5	+4	N'W	2	zo	38	92	36	6	5	-	-	9+	9+	2200	6	*
	Tynemouth ...	23·4	+4	NW	1	o	39	85	35	6	5	-	-	10	10	2500	4	4
11	St. Abbs Head	23·1	+4	N	3	bc	39	92	36	7	4	7	-	4·6	7·8	1500	4	3
	Leuchars ...	24·1	+4	S	1	c	36	92	34	8	5	-	-	9+	9+	3500	4	*
12	Renfrew (Abbots L.)	24·1	0	SW	1	m	36	97	35	4	5	-	-	4·6	4·6	3000	4	*
	Eskdalemuir ...	24·3	+6	NE'E	1	c	35	85	32	6	5	-	-	9+	9+	1100	9	*
	Point of Ayre ...	23·9	0	N'W	2	c	42	97	41	8	5	-	-	9+	9+	3000	1	2
13A	Tiree	25·5	0	NW'N	2	c	44	97	43	8	8	-	-	9	9	1800	0	3
13B	Stornoway ...	23·8	-6	-	0	c	41	92	39	7	5	7	-	7·8	9	2000	1	0
15	Dalwhinnie ...	25·2	+2	-	0	f	33	97	33	3	-	-	-	10	10	<150	6	*
	Aberdeen ...	24·1	+8	NW'N	2	zo	34	85	31	6	5	3	8	2·3	2·3	2300	6	2
	Wick ...	23·7	-6	W	1	bc	34	92	31	7	5	7	-	2·3	4·6	2500	1	*
16	Sumburgh ...	21·9	-6	N	3	c	34	75	28	8	5	-	-	9+	9+	2500	3	3
17	Blacksod Point	26·8	-4	-	0	o/pr	43	97	42	8	3	-	-	4·6	4·6	1500	1	2
18	Malin Head ...	25·2	-2	N	3	bc	45	92	43	7	9	-	-	4·6	4·6	1500	1	3
	Aldergrove ...	25·4	0	-	0	cf+	41	97	41	3	5	-	-	9+	9+	500	1	*
19	Birr Castle ...	26·1	-6	SSW	2	id	41	92	39	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	28·0	-6	N'E	3	bc	43	92	41	8	8	-	-	2·3	2·3	2600	1	2
	Roches Point	26·8	-6	N'W	3	ido	42	85	38	7	5	-	-	9	9	1500	1	3

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 8th. Hrs. (38)
1	London (Kew)	31	27	16	-	Tr	3·0
	Croydon ...	30	21	17	-	0·1	0·8
	S. Farnborough	32	24	19	-	0·2	3·7
	Boscombe Down	30	23	22	-	Tr	4·4
	Thorney Island	31	24	20	-	Tr	*
	Lympne ...	29	16	8	-	-	1·6
	Manston ...	29	20	15	Tr	Tr	1·1
2	Shoeburyness ...	32	25	20	-	Tr	0·0
	Felixstowe ...	34	26	21	-	Tr	2·7
	Gorleston ...	32	31	26	-	Tr	*
	Mildenhall ...	33	29	27	Tr	0·1	5·0
	Cranwell ...	35	34	32	-	0·4	6·5
3	Birmingham ...	34	29	27	-	1	5·2
	Upper Heyford	32	29	25	-	1	*
4	Ross-on-Wye	35	29	21	-	0·3	4·1
5	Hartland Point	35	34	30	3	Tr	3·7
	Bristol ...	33	26	18	-	0·3	4·4
	Portland Bill ...	32	37	*	-	-	*
	Plymouth ...	35	27	21	-	-	8·0
	The Lizard ...	39	30	*	-	-	7·7
	Scilly (St. Mary's)	40	35	*	-	-	4·1
	Guernsey ...						
6	Pembroke ...	38	33	*	-	0·2	7·1
7	Holyhead ...	42	39	37	-	0·3	*
	Chester (Sealand)	37	37	34	-	0·5	0·0
8	Manchester ...	32	32	31	Tr	1	*
10	Spurn Head ...	35	33	*	-	0·6	3·5
	Catterick ...	38	35	32	-	0·2	0·2
	Tynemouth ...	38	36	33	-	-	*
11	St. Abbs Head	41	38	*	-	Tr	*
	Leuchars ...	39	36	31	-	-	0·0
12	Renfrew (Abbots L.)	39	35	30	Tr	Tr	0·0
	Eskdalemuir ...	33	32	31	Tr	0·3	0·0
	Point of Ayre ...	41	41	*	Tr	-	0·0
13A	Tiree	47	42	*	-	0·1	1·0
13B	Stornoway ...	47	41	*	1	1	0·8
15	Dalwhinnie ...	40	33	30	-	Tr	0·2
	Aberdeen ...	42	34	29	Tr	-	0·0
	Wick ...	43	33	31	0·1	1	*
16	Sumburgh ...	42	32	28	5	-	0·0
17	Blacksod Point	48	41	*	0·5	0·6	*
18	Malin Head ...	47	42		0·2	1	0·0
	Aldergrove ...	40	39	39	0·1	1	0·0
19	Birr Castle ...	40	37		-	0·4	0·0
20	Valentia Obsy.	44	40	37	Tr	0·2	-
	Roches Point	42	39	*	-	0·1	*

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	03755	19328	57	22735	25468	52	02745	31428	57	02754	29326
115	52	09735	24388	52	09834	26327				52	02844	06387
203	5-	02828	24428	50	02835	24325	5-	81928	30214	5-	81838	08328
206	5-	02857	22227	53	21855	28256	5-	52758	00068	5-	2858	28158
210	5-	51758	22468	57	02757	23357	02	03748	03368	5-	02757	03257
220	80	25845	27385	50	25646	28286				51	02745	29228
230	5-	51638	00058	5-	21747	27257	50	01854	31114	5-	02855	00015
245	5-	02867	23228	53	02766	23127	50	01754	30324	57	01854	26155
260	52	05557	22227	5-	47348	27248	5-	45334	22345	5-	47337	25147
278	5-	51658	09258	5-	52637	24358	57	21753	26354	54	00852	25153
279	5-	51458	19258	5-	05538	19358	5-	41557	22257	80	81654	00084
285										5-	05627	32467
288	5-	05658	17228	5-	05668	20228	50	22655	20166	5-	47347	30257
575	57	51737	20128	5-	52428	24128	5-	51648	00058	5-	02857	28357
301	5-	47358	31148	5-	47258	20148	02	53518	26258			
321	00	17490	24342	5-	08458	25328	5-	51458	24128	5-	21457	27357
299	5-	05656	24216	5-	05654	24114	5-	05658	24328	50	52655	26255
292	57	08463	00014	5-	05558	28128	5-	05555	22225	57	05655	26365
310										--	01636	01326
614	00	05590	22248	05	44430	28143	5-	57258	26258	53	55364	28147

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	5-	02677	08217	5-	05667	00027						
334										--	04447	00028
340	5-	05667	28117	5-	05567	00027	5-	61645	22168	02	67218	24268
136	03	05690	22315	5-	08468	22318	5-	47368	24228	--	57109	24269
336										57	02656	08328
350	00	05690	24125	00	08490	22210	5-	57358	20258	5-	62458	25368
368	50	05651	06111	50	05553	28113	5-	47358	30118	52	08446	27258
379	00	05690	26204	53	05655	28218	5-	62428	26168	5-	21438	26368
390	5-	05666	38226	00	08490	24123	5-	08468	24218	5-	57348	26158
382	10	01761	30214	00	08490	00020	5-	58448	00058	5-	22458	28268
438	5-	02758	04328							02	62558	32328
430	50	05563	02313	00	05590	31113	00	05590	28100	5-	22458	30168
409	50	00751	03201	50	05651	02221	5-	05658	00028	5-	51658	00058

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

§ Sea disturbance reported from Dungeness.

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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	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew	cbcbz	bzbm	bmsfx	Kew 24 hours ended 7h. Max. Time
Croydon ...	cmcm	cmbfbcmcfcmd		1·1 19h. 7th.
Greenwich ...	c	cbm		Min. Time
Camden Square	o	bc	*	0·1 17-18h. 8th.
Kensington ...	pz	bcz	*	
Hampstead ...				

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	31	27	16	-	Tr	3·0	*	*
Croydon ...	30	21	17	-	0·1	0·8	*	*
Greenwich ...	30	24	21	-	Tr	0·6	70	90
Westminster ...	34	26	25	0·4			97	93
Regents Park ...	34	27	12	-	0·2		95	*
Camden Square	35	27	21	-	-	*	*	92
Kensington ...	34	26	20	-	0·1			91
Hampstead ...							*	

Page 1 BRITISH SECTION

SECRET

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

Tuesday 10th February 1942

No. 29300

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)	21·9	-4	NNE	2	cf-	39	85	35	3	5	-	-	10	10	1500
	Croydon	22·4	-6	SW	1	f	35	97	34	2	-	-	-	10	10	<150
	S. Farnborough	22·3	-10	N	2	z.	40	85	36	5	5	7	-	7-8	10	1000
	Boscombe Down	23·2	-8	N	3	c/r	40	85	36	6	5	-	-	9+	9+	3000
	Thorney Island	22·1	-8	N	1	z.	40	92	38	5	5	-	-	10	10	2500
	Lympne	22·0	-10	NNW	1	m	37	85	32	4	5	-	-	10	10	4000
	Manston	21·5	-6	NW	2	cf	35	85	32	3	5	-	-	9+	9+	2500
2	Shoeburyness	22·0	-6	W	1	fg	37	92	34	3	5	-	-	10	10	900
	Felixstowe	21·7	-12	NW	1	cf-	38	85	33	3	5	-	-	9+	10	1500
	Gorleston	21·6	-8	NW	2	m/f	37	85	32	4	5	-	-	10	10	1500
	Mildenhall	22·2	-2	NW'N	2	f	36	92	34	3	-	-	-	10	10	<150
	Cranwell	22·8	-2	NNW	3	z.	38	85	33	5	5	-	-	10	10	1800
3	Birmingham	23·6	0	NNE	2	ir.	39	92	37	5	6	-	-	10	10	800
	Upper Heyford	22·9	-4	N'W	2	m/f	37	92	36	4	5	-	-	9+	9+	2800
4	Ross-on-Wye	23·0	-8	N	2	z.	43	85	38	6	5	-	-	9+	9+	2500
5	Hartland Point	23·5	-8	N	3	c	43	92	41	7	8	1	-	7-8	10	1500
	Bristol	23·5	-8	N	2	m	41	92	39	4	5	-	-	9+	9+	3500
	Portland Bill	22·4	-12	N	2	c	41	85	39	7	5	-	-	10	10	2500
	Plymouth	14·0	-12	NNW	1	m/f	39	92	37	4	5	-	-	10	10	4000
	The Lizard	24·4	-10	N	2	o	40	85	35	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	24·6	-10	NNE	3	c	46	65	36	8	8	-	1	10	10	1200
	Guernsey															
6	Pembroke	24·4	-10	N'W	3	c	45	85	42	8	8	-	-	9+	9+	1500
7	Holyhead	23·8	-4	-	0	c	45	85	41	8	8	-	-	9+	9+	1500
	Chester (Sealand)	24·1	-2	N	1	rF	40	92	38	1	5	7	-	2-3	9+	300
8	Manchester	24·6	-2	NNW	2	m/f	37	97	37	4	5	-	-	7-8	7-8	3500
10	Spurn Head	22·6	+2	NE	3	c	38	92	35	7	5	7	-	7-8	9	2500
	Catterick	24·5	-6	NW	1	z.	38	75	31	5	5	-	-	9+	9+	2200
	Tynemouth	24·4	-8	N	3	c	40	85	35	7	2	3	-	7-8	9	2600
11	St. Abbs Head	23·4	-8	W	2	c	39	85	34	8	5	7	-	7-8	9+	2000
	Leuchars	22·8	-20	WSW	1	z.	41	75	35	6	5	3	-	4-6	7-8	3200
12	Renfrew (Abbots I.)	23·5	-14	WSW	1	cf-	37	92	35	3	5	3	-	4-6	9	3000
	Eskdalemuir	23·9	-10	-	0	c	37	85	33	8	5	-	-	9+	9+	1900
	Point of Ayre	24·4	-2	SNE	1	bc	43	85	38	7	1	4	6	Tr	2-3	2000
13A	Tiree	24·7	-6	NW'W	2	bc/pr	48	92	46	8	8	3	-	2-3	4-6	2500
13B	Stornoway	20·5	-36	WSW	4	pr	45	97	44	7	5	7	-	7-8	10	1000
15	Dalwhinnie	22·7	-16	SW	2	c	38	85	35	7	5	-	-	9+	9+	2500
	Aberdeen	21·4	-22	SSW	1	z.	38	85	33	6	-	7	-	0	9	-
	Wick	19·3	-36	SW	2	c/r	39	85	35	9	5	2	-	4-6	10	3000
16	Sumburgh	17·6	-34	W	3	c	37	75	29	7	5	7	-	9	9+	1500
17	Blacksod Point	26·5	-8	-	0	c/pr	47	92	45	8	3	6	-	4-6	7-8	1500
18	Malin Head	24·4	-6	NW	1	id.	46	97	45	7	3	-	-	7-8	7-8	1500
	Aldergrove	25·3	-6	WNW	1	id.	43	92	41	7	8	-	-	7-8	10	1200
19	Birr Castle	26·0	-6	NNW	2	c	45	85	41	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	27·0	-10	NW	2	c	47	75	40	9	7	-	-	9+	9+	2500
	Roches Point	26·0	-14	N	3	c	46	75	39	9	5	-	-	9	9	2500

OBSERVATIONS at 18h. 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)	°F. 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)
London (Kew)	22·0	+2	N'E	2	cf+	38	92	35	3	5	2	-	9+	10	1500	1	*
Croydon	22·0	-2	NNE	2	F+	36	97	36	1	-	-	-	10	10	<150	6	*
S. Farnborough	22·3	+4	N	1	id.	39	92	36	4	5	-	-	10	10	800	1	*
Boscombe Down	22·7	0	NNE	2	c/d	38	85	33	4	5	-	-	9+	9+	2500	1	*
Thorney Island	21·5	-2	NE	2	c/r	39	92	34	4	5	-	-	9+	9+	4000	1	*
Lympne	21·8	+2	NW	2	f+	35	92	32	2	-	-	-	10	10	<150	6	§2
Manston	21·6	+2	NW'N	1	f+	34	97	33	2	-	-	-	10	10	<150	9	*
Shoeburyness	22·0	+4	NW	1	fg	35	97	34	3	5	-	-	10	10	1400	6	*
Felixstowe	21·4	-2	N'E	2	m	37	92	35	4	5	-	-	10	10	2500	4	1
Gorleston	22·2	+2	NE	2	z.	36	92	35	6	5	-	-	10	10	1000	6	2
Mildenhall	22·0	+2	NE	3	z.	35	97	34	6	5	-	-	10	10	800	6	*
Cranwell	22·6	-4	N	1	m/d	35	97	34	4	5	-	-	10	10	1500	6	*
Birmingham	23·3	-2	NE	2	cf	37	92	35	2	5	-	-	10	10	800	4	*
Upper Heyford	22·8	+2	NNE	2	cf	36	97	35	3	5	-	-	9+	9+	3000	6	*
Ross-on-Wye	22·9	0	E	1	cf+	40	85	37	3	5	-	-	10	10	500	1	*
Hartland Point	22·5	-6	NNE	2	c	42	92	40	7	5	2	-	7-8	9+	2000	1	3
Bristol	22·8	-2	N	1	cf+	39	92	37	2	5	-	-	10	10	2500	1	*
Portland Bill	21·3	-6	NNE	2	o	41	85	39	7	5	-	-	10	10	2500	1	4
Plymouth	23·0	-2	NNE	2	m	41	97	41	4	5	-	-	10	10	3500	0	2
The Lizard	23·0	-4	N	2	c	42	92	40	8	8	2	-	7-8	9+	1500	0	3
Scilly (St. Mary's)	23·6	0	NE'N	3	c	45	75	36	8	8	5	-	7-8	10	1200	1	4
Guernsey																	
Pembroke	23·5	-2	N'W	3	c	42	92	40	8	8	2	-	7-8	9	1500	1	2
Holyhead	22·6	-6	-	0	fs	42	97	41	8	8	-	-	9+	9+	2500	1	1
Chester (Sealand)	22·6	-4	SE	1	bF+	36	92	33	1	-	-	1	0	1	-	1	*
Manchester	22·7	-2	-	0	m	34	92	32	4	-	3	-	0	2-3	-	4	*
Spurn Head	22·6	0	NNW	2	o	37	85	32	7	5	-	-	10	10	2500	6	3
Catterick	22·2	-18	S	1	z.	37	85	33	5	5	-	-	9+	9+	4000	6	*
Tynemouth	21·5	-12	SW	2	m	38	85	34	4	8	-	-	9+	9+	2500	4	4
St. Abbs Head	18·1	-22	SW	4	c	38	92	35	7	4	4	-	4-6	9	3500	4	2
Leuchars	17·6	-34	WSW	2	z.	37	92	34	5	5	9	-	4-6	9+	3000	4	*
Renfrew (Abbots I.)	20·1	-18	WSW	3	m	40	97	39	4	5	7	-	9	9+	2000	4	*
Eskdalemuir	21·2	-10	-	0	d.d.	34	92	32	5	-	2	-	10	10	100	9	*
Point of Ayre	22·0	-6	W	2	c/d	42	92	40	8	8	2	-	7-8	10	3000	1	1
Tiree	20·5	-8	NW'W	3	c	46	97	45	8	8	-	-	9	9	1800	0	3
Stornoway	16·6	-12	W	4	c	45	92	43	7	5	7	-	7-8	9+	2000	1	2
Dalwhinnie	18·7	-24	WSW	2	c	38	85	34	7	5	4	-	7-8	9	2500	4	*
Aberdeen	15·5	-36	W'S	3	c/r	40	85	35	6	5	3	-	7-8	9+	2100	6	2
Wick	12·8	-34	WSW	4	r.r.	40	92	38	8	5	2	-	9	10	3000	1	*
Sumburgh	08·3	-64	SE'S	3	sf	33	97	33	3	-	2	-	10	10	200	6	3
Blacksod Point	25·0	-4	-	0	c	46	92	44	8	4	5	-	4-6	7-8	2500	0	2
Malin Head	22·0	-10	W	3	c	46	92	44	7	9	7	-	4-6	7-8	1500	1	3
Aldergrove	22·8	-8	W'S	1	c	43	97	42	8	8	-	1	4-6	9+	1800	1	*
Birr Castle	23·9	-6	SW	1	c	44	92	42	8	5	1	-	7-8	10	1500	1	*
Valentia Obsy.	25·6	-2	NE	2	cjp	45	85	41	8	5	-	-	9+	9+	1500	1	2
Roches Point	24·5	-6	N	2	c	45	85	41	8	8	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 9th (39)	Weather 13h.–18h. 9th (40)	Weather 18h. 9th to 1h. 10th (41)	Weather 1h.–7h. 10th (42)
London (Kew)	ir.off	cm ir. f	idodfc	cmo
Croydon	cmpf	of. Fd	OFdo	ofecf
S. Farnborough	d.dr. omcm.	cm.mid.o	mid.ffofofo	ofcm
Boscombe Down	cir.m.	cm.id.cm	cmf	cf
Thorney Island	cmoddcm.	om.ir.m	omfcm.	cm.cmf
Lympne	cmfm	cmff	off	ofFff
Manston	cf	cif	ofF	oFf m
Shoeburyness	cfr.off	ofid.of	ofc	cf
Felixstowe	cmofcf	cfom	oFdofcm	idoofcfcm
Gorleston	ofdom	omff om.	odod oz.	bczopofx
Mildenhall	ofcfof	ofid.cm.	cdodom.	cmo
Cranwell	cfmir.	cmfid.	cmbfcf	cmbfcf
Birmingham	fd.pir.	ocf	ofmc	cm
Upper Heyford	cir.fm	cmef	cfoF	cmmo
Ross-on-Wye	cp.cm	cgom	off	omcmo
Hartland Point	irid.c	idr.r.	c	c
Bristol	cir.m	cff	*	cfmmo
Portland Bill	c	c	o	o
Plymouth	cmoid.f	cm	cm	cmom
The Lizard	co	c	c	co
Scilly (St. Mary's)	c	c	cp.	c
Guernsey				
Pembroke	c	cid.	c	porc
Holyhead	ir.dm.c	cbec	cfcmo	cpormo
Chester (Sealand)	cbeFf	oiFbc	bcoff	cirom o
Manchester	oFfm	ombz	cirom	roroc
Spurn Head	c	o	o	bcmo
Catterick	cm.	bcz.cm.	cmobmo	bmocmo
Tynemouth	oc	cm	bc	bc
St. Abbs Head	cbec	c	cbcq	bcqcq
Leuchars	rr.cbem.	cm.	cbcmobc	bccdoro
Renfrew (Abbots I.)	mofcf	fm pr.m	bbcbm.	dodoprom
Eskdalemuir	d.d.c	od.d.	dopr	prbcc
Point of Ayre	cbc	becd.d.	bbcpoo	cbc pr
Tiree	bcpr.	cprc	bcc	cpr
Stornoway	cpr.	cprc	cpr	crrroro
Dalwhinnie	f.oc	c	*	sr,rso
Aberdeen	beczo	cir.z.	cz.	crorom
Wick	becir.c	cr.cr.r.	crrror.	rororso
Sumburgh	cxis.c	ossf	cssrosoc	cbcphsc
Blacksod Point	pr	bc	r	c
Malin Head	d	c	c	pr
Aldergrove	oFcf	cidoc	ccido	idomoiro
Birr Castle	d	bc	*	d
Valentia Obsy.	pr	c	c	pr
Roches Point	bc	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 10th February, 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate west wind veering N. to N.E. and decreasing; cloudy; occasional rain, sleet or snow later; becoming cold with severe night frost.
5 S.W. England; 6 South Wales	Moderate west wind veering N.W. or N.; cloudy; occasional rain; average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate N.W. wind veering North; occasional rain, sleet or snow at first; clear intervals later but snow showers near east coast; becoming cold with severe night frost.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate N. to N.E. wind fresh on coasts backing N.W.; cloudy; snow showers; frost day and night.
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 N.W. wind; cloudy; occasional rain; average temperature.

GENERAL INFERENCE

An elongated trough of low pressure over Scotland is moving S.E. In the North there will be occasional snow or sleet and temperature will fall considerably. In the South and Midlands weather will be cloudy at first but occasional rain, sleet or snow is expected later. Temperature will fall later in Southern districts excepting the S.W.

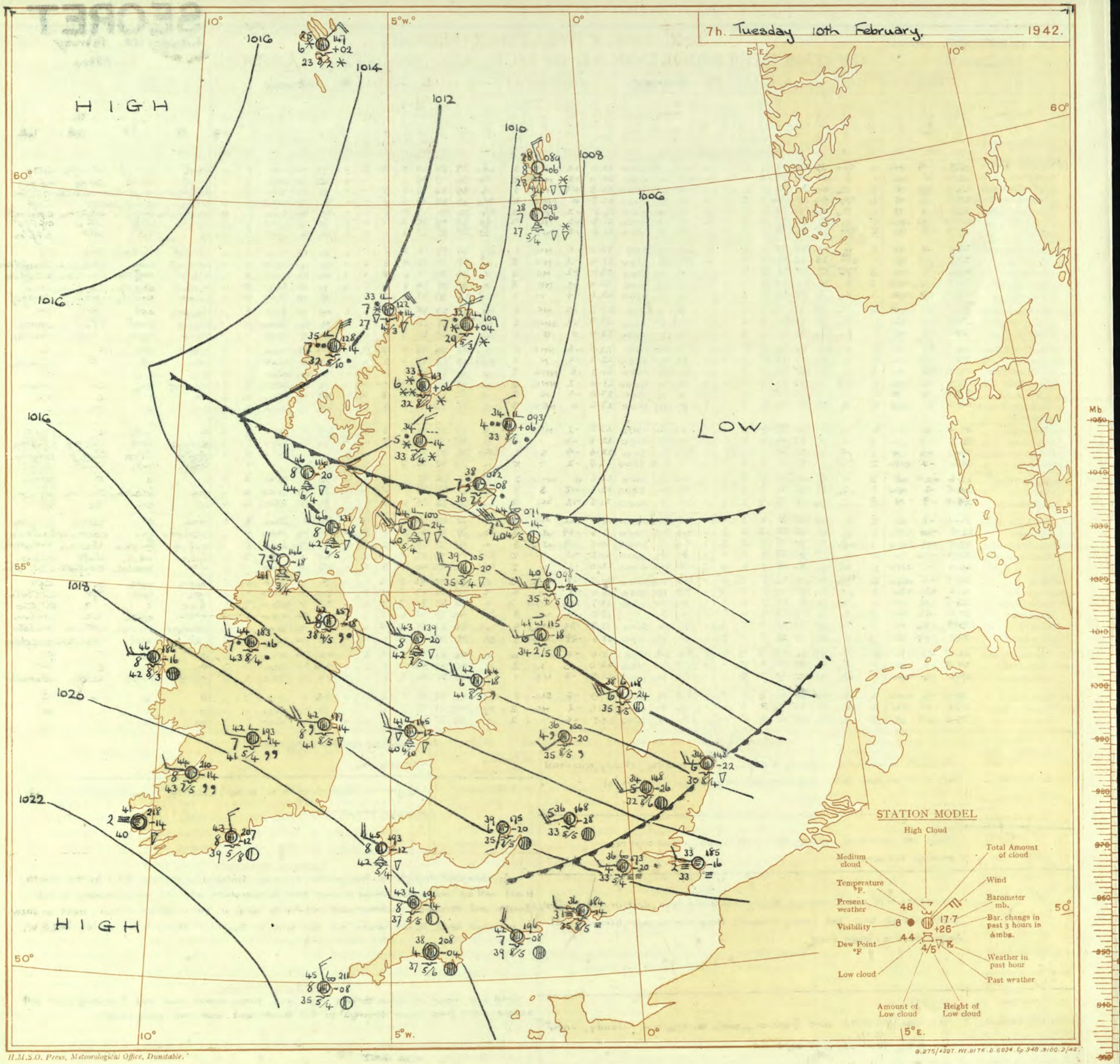
FURTHER OUTLOOK

Cold over most of Great Britain with day temperatures near the freezing point but severe night frost. Snow showers in the North and near the east coast.

Forecasts issued at 10.30. G.M.T.

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

7h. Tuesday 10th February, 1942.



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

G.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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).

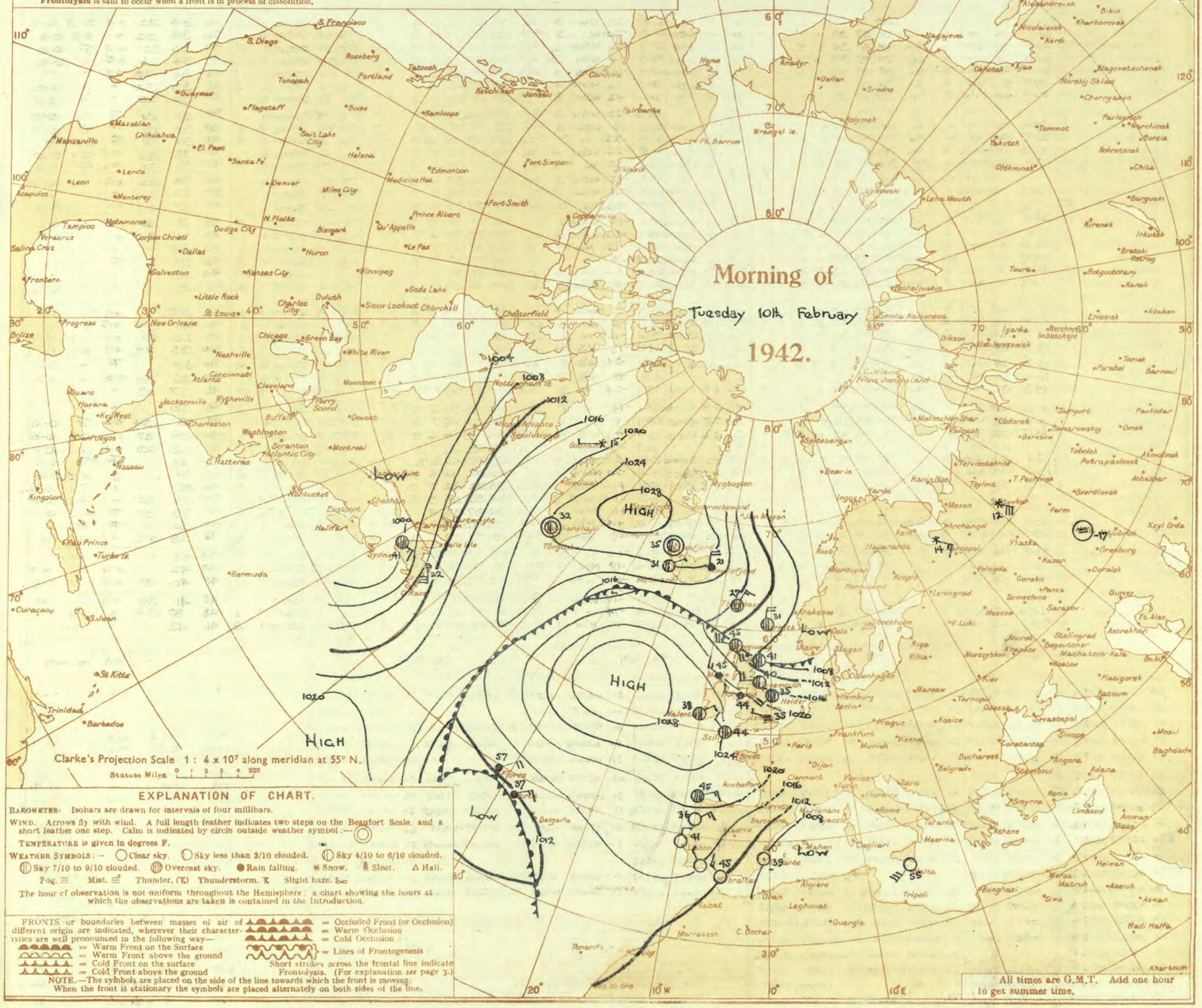
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 10th February 1942

No. 29300

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)	°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	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Croydon	217	21·1	-14	W	1	f	35	97	35	1	-	-	-	10	10	<150
	S. Farnborough	226	21·3	-14	W'S	1	of+	35	97	34	2	5	-	-	10	10	800
	Boscombe Down	417	22·2	-8	NW	2	of	35	97	34	3	5	-	-	10	10	3100
	Thorney Island	10	21·2	-8	NNW	2	zo	37	97	36	3	5	-	-	10	10	3400
	Lympne	346	21·1	-8	NW	2	f	34	97	34	2	-	-	-	10	10	<150
	Manston	154	20·3	-10	NW	3	f	33	97	33	1	-	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	20·4	-10	NW	2	m	33	97	32	4	5	-	-	9+	9+	2100
	Gorleston	5	20·3	-20	W	2	zo	32	97	31	6	-	4	9	0	2·3	-
	Mildenhall	19	20·2	-18	SW'W	2	zo	33	97	33	5	5	-	-	10	10	1500
	Cranwell	240	19·3	-22	WSW	4	of	38	97	38	3	5	-	-	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·5	-10	WNW	1	f+	33	97	33	1	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·9	-12	SW	2	c	42	85	38	7	5	2	-	7·8	10	1500
	Bristol	20[illegible]	21·6	-16	-	0	of	37	97	36	2	5	-	-	10	10	2800
	Portland Bill	32	22·5	-4	NNE	3	o	40	92	38	7	5	-	-	10	10	2500
	Plymouth	82	22·7	-2	-	0	m	39	92	37	4	5	-	-	10	10	3000
	The Lizard	240	22·9	-4	NE	2	c	41	85	36	7	8	2	-	7·8	9+	1500
	Scilly (St. Mary's)	163	23·2	-4	N'W	2	c/pr	44	92	42	8	8	2	-	4·6	9+	1200
	Guernsey	175															
6	Pembroke	142	22·1	-10	W	2	c	44	85	39	8	8	-	-	10	10	1500
7	Holyhead	26	19·9	-18	WNW	2	pr	44	92	42	7	8	-	-	7·8	7·8	2500
	Chester (Sealand)	16	19·2	-22	WSW	3	iro	39	92	36	4	5	-	-	10	10	2800
8	Manchester	235	19·3	-24	SSE	3	iro	34	97	34	4	5	-	-	10	10	2800
10	Spurn Head	29	18·2	-28	SW	4	o	35	92	34	7	5	-	-	10	10	2500
	Catterick	175	16·0	-34	W	4	zo	39	92	37	6	-	3	-	0	1	-
	Tynemouth	108	15·3	-32	W	4	zo	40	92	38	6	2	-	-	4·6	4·6	2500
11	St. Abbs Head	280	11·0	-24	W	7	cq	44	85	39	7	4	4	-	4·6	7·8	2500
	Leuchars	36	11·4	-28	WNW	3	c	40	85	35	8	5	-	-	7·8	7·8	4000
12	Renfrew (Abbots I.)	19	14·7	-22	W	4	zo	41	92	39	6	8	7	-	Tr	4·6	1500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17·7	-20	WNW	4	c*	48	97	42	8	5	2	*	7·8	10	2000
13A	Tiree	22	13·6	-28	NW'W	4	c	46	92	44	8	8	-	-	7·8	7·8	1800
13B	Stornoway	80	11·3	-18	W	5	c/pr	45	92	43	8	8	7	-	4·6	7·8	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Wick	119	10·1	+10	NNE	3	fofo	37	92	35	7	-	2	-	10	10	1600
16	Sumburgh	30	09·7	+6	NNE	3	zo	32	76	26	6	5	-	-	10	10	1500
17	Blacksod Point	18	22·3	-14	WNW	2	iro	45	92	43	7	6	-	-	10	10	800
18	Malin Head	84	18·6	-14	NW'N	3	pr	45	85	41	8	5	3	-	2·3	4·6	2500
	Aldergrove	268	19·6	-18	SW	2	c/d	42	97	41	7	5	-	-	7·8	9+	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·4	-12	NE'E	2	c	38	97	37	8	5	-	-	7·8	7·8	2500
	Roches Point	22	23·7	-10	W'S	1	c	43	92	32	8	5	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. 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)	°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)	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 9th Hrs. (38)
London (Kew)	16·8	-20	SW	2	zo	35	97	35	5	5	-	-	9+	9+	2500	1	*	40	34	32	0·2	0·3	0·0
Croydon	17·3	-20	W	2	c/f	36	85	33	4	5	7	-	7·8	10	1700	4	*	36	34	32	0·3	0·2	0·0
S. Farnborough	17·3	-26	WSW	2	c/f	35	92	33	4	5	-	-	9+	9+	2500	1	*	41	33	32	0·3	Tr	0·0
Boscombe Down	18·9	-14	W'S	3	cf	36	92	34	3	5	-	-	9+	9+	2500	1	*	41	34	33	0·5	-	0·0
Thorney Island	18·4	-14	W'N	2	of+	36	97	35	3	5	-	-	10	10	2500	1	*	41	35	25	0·3	-	*
Lympne	18·5	-16	WNW	1	f	33	97	33	2	-	-	-	10	10	<150	6	§2	38	33	32	-	-	0·0
Manston	16·6	-42	WSW	3	f/f	33	97	33	4	5	-	-	10	10	3000	9	*	36	32	29	-	-	0·2
Shoeburyness	16·6	-22	WSW	3	cf-	34	92	32	3	5	-	1	4·6	7·8	2600	4	*	38	32	31	Tr	Tr	0·0
Felixstowe	16·0	-18	WSW	3	c/f	33	97	32	4	5	-	-	9+	9+	3300	4	1	39	30	28	-	Tr	0·0
Gorleston	14·8	-22	W	3	zo	34	85	30	6	5	-	-	10	10	1500	6	2	41	31	28	Tr	0·2	*
Mildenhall	14·8	-26	WSW	4	zo	34	92	32	5	5	-	-	10	10	3500	6	*	37	33	30	0·3	0·1	0·0
Cranwell	13·1	-32	W	5	zo	35	97	35	5	5	-	-	9+	9+	3000	6	*	41	33	31	0·2	Tr	1·2
Birmingham	15·8	-12	WSW	3	m	37	92	35	4	5	-	-	9+	9+	1500	4	*	40	32	32	0·3	-	0·0
Upper Heyford	16·8	-28	WSW	3	zo	36	92	33	5	5	-	-	7·8	7·8	3000	1	*	38	32	31	-	-	*
Ross-on-Wye	17·5	-20	S'W	2	zo	39	85	35	6	5	-	-	9+	9+	3000	1	*	43	37	35	0·1	-	0·0
Hartland Point	19·1	-14	WNW	2	c	43	75	37	8	5	2	-	7·8	10	2500	1	3	43	41	39	0·5	-	0·2
Bristol	18·1	-20	WSW	3	zo	39	85	36	6	5	7	-	4·6	10	3500	1	*	42	36	34	0·6	-	0·0
Portland Bill	19·6	-8	NW	4	o	42	92	39	7	5	-	-	10	10	2500	1	3	42	38	*	-	-	*
Plymouth	20·8	-4	-	0	m	38	97	37	4	5	-	-	7·8	10	3000	0	2	42	37	35	Tr	-	0·0
The Lizard	20·9	-4	-	0	o	42	85	37	7	5	-	-	10	10	1500	0	3	44	40	*	-	-	0·0
Scilly (St. Mary's)	21·1	-8	N'W	3	c	45	65	35	8	5	7	-	7·8	10	1500	1	3	46	43	*	-	Tr	0·0
Guernsey																							
Pembroke	19·3	-12	NW'W	4	c	45	85	42	8	8	-	-	7·8	7·8	2000	1	2	47	39	*	0·1	Tr	0·1
Holyhead	16·5	-12	WNW	4	pr	41	92	41	7	8	2	-	9	10	1000	1	2	46	41	39	0·5	0·1	*
Chester (Sealand)	15·6	-14	W	3	iro	43	85	40	6	5	-	-	9+	9+	1600	1	*	43	30	28	0·1	0·1	0·5
Manchester	14·9	-18	W'S	4	iro	41	97	41	5	5	-	-	10	10	1200	1	*	40	33	28	0·1	0·3	*
Spurn Head	11·8	-24	W'S	5	zo	38	92	35	6	5	4	-	2·3	4·6	2500	6	4	40	34	*	Tr	-	0·2
Catterick	11·5	-18	W'S	3	zo	41	85	34	6	5	3	1	1	7·8	2800	6	*	40	36	35	0·2	-	1·2
Tynemouth	09·8	-24	W	5	bc	40	85	35	7	5	4	-	4·6	4·6	2500	4	4	41	37	33	-	-	*
St. Abbs Head	07·1	-14	W	7	cq	44	85	34	7	5	7	-	4·6	9	2500	1	3	41	39	*	-	-	*
Leuchars	08·2	-8	SE	1	dr	38	92	36	7	5	-	-	9+	9+	3200	4	*	42	37	34	0·2	Tr	0·6
Renfrew (Abbots I.)	10·0	-24	W'S	5	c/pr	44	85	40	6	8	2	-	7·8	7·8	1200	1	*	40	38	37	0·1	0·5	0·0
Eskdalemuir	10·5	-20	W'N	4	c	39	85	35	7	5	-	-	7·8	7·8	1200	9	*	37	33	29	0·1	1	0·8
Point of Ayre	13·9	-20	WNW	5	c	43	97	42	8	8	-	-	9+	9+	2000	1	4	46	41	*	Tr	Tr	6·0
Tiree	11·4	-20	NW'W	4	c	46	92	44	8	8	-	-	9	9	1800	1	4	48	44	*	1	0·5	2·6
Stornoway	12·8	+14	NNE	6	fofo	35	92	32	7	5	2	-	7·8	10	1000	1	3	46	35	*	1	7	0·0
Dalwhinnie	10·3	-14	NNE	3	rs	34	92	33	5	5	-	-	10	10	1500	4	*	39	33	32	-	2	0·4
Aberdeen	09·3	+6	NNW	1	fofo	34	97	33	4	-	2	-	10	10	3000	6	2	40	33	32	Tr	2	0·1
Wick	10·9	+4	N'E	4	rs	32	85	29	7	5	2	-	7·8	10	900	1	*	40	32	31	Tr	8	*
Sumburgh	09·3	-6	NNW	3	c/ps	28	92	27	7	8	-	-	7·8	7·8	1500	8	3	37	28	25	7	3	0·1
Blacksod Point	18·6	-16	W	3	c	46	85	42	8	5		-	10	10	800	0	3	48	43	*	2	Tr	*
Malin Head	14·6	-18	NW	4	pr	45	92	43	7	9	-	-	2·3	2·3	1500	1	3	47	42		0·2	2	0·0
Aldergrove	13·7	-18	WSW	3	bc/r	42	85	38	8	5	-	-	4·6	4·6	2500	1	*	45	40	37	0·2	0·2	0·3
Birr Castle	19·3	-14	WNW	2	c/d	42	97	41	7	5	1	-	7·8	10	1500	1	*	45	41	38	0·2	Tr	0·1
Valentia Obsy.	21·8	-14	-	0	f+	41	97	40	2	-	-	-	10	10	<150	1	1	48	37	34	Tr	0·2	
Roches Point	20·7	-12	N'W	3	c	43	85	39	8	5	-	-	7·8	7·8	2500	1	3	46	43	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 9th Feb. $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 10th Feb. $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	52	03735	15378	5-	62638	24758	5-	62638	01568	52	02654	32568
115	52	02944	20427	52	09734	20427	52	62735	04588	52	85734	04587
203	5-	03938	20528	8-	81838	20528	6-	51928	22588	6-	64728	32668
206	57	02854	26127	5-	02857	22327	5-	02755	24465	5-	74648	30178
210	57	02964	22328	57	02854	20467	8-	81648	55588	02	68638	02368
220	80	81747	25187	80	02747	30317						
230	52	51747	18258	5-	21848	20458	8-	81746	59556	87	81847	26487
245	54	02745	23217	57	05662	24317	51	02754	23228	5-	61758	31268
260	5-	02746	19146	5-	05546	21226	5-	21564	22454	5-	05664	20364
278	8-	25847	12287	57	51636	23288	9-	21628	23358	8-	81747	58587
279	7-	05667	10227	5-	05548	21428	5-	05656	20458	53	01754	22414
285	5-	02747	32327	5-	02747	30417				27	81635	26586
288	5-	08448	26258	5-	05667	18117	00	05690	20458	07	02890	20216
575	5-	02848	24148	5-	02847	28227	5-	01854	24324	5-	61748	26368
301	5-	05556	09256	50	08471	12122	50	05645	24365	5-	05658	26458
321	02	54438	31358	5-	05657	24157	5-	05568	22328	5-	05555	24315
299	5-	02735	02355				5-	01745	24215	50	02743	22313
292	5-	05648	27228	57	05662	20123	50	08454	18244	5-	02845	28315
310	--	41638	32348	--	48209	04329				--	57109	24349
614	5-	08458	32228	00	44109	00059	--	44109	22249	5-	51358	20258
333	5-	02667	16127	5-	04767	00027	5-	02668	28128	7-	25747	24387
334	--	03646	08228	--	02645	10216				--	25547	26288
340	53	43364	02265	5-	47358	22148	5-	43368	16148	5-	61847	24367
136	--	57109	30249	5-	05648	04258	5-	05667	21228	5-	05548	22428
336	57	02755	32328	57	02636	04328				62	54526	28358
350	5-	64448	25168	02	47338	32268	00	47190	18150	5-	61567	22347
368	53	02743	32217	5-	05544	00028	5-	09448	28128	52	05544	28128
379	5-	45348	02358	5-	45347	02157	--	44209	24249	5-	05566	24246
390	5-	08448	29258	5-	48009	30259	5-	43248	29158	00	43390	24342
382	57	05555	30266	5-	45347	01347	--	48209	00049	52	57465	22148
438	5-	03548	01428							5-	03548	
430	5-	08447	02367	5-	21445	32358	5-	08468	30148	5-	08468	26268
409	5-	05668	02158	5-	52647	04168	5-	05668	11268	5-	52658	00058

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

§ Sea disturbance reported from Dungeness.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 8/6 per quarter; 25/- per year.

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
Kew	ir.ff	cmir.f	id,dfcm.
Croydon	cmpf	cf.Fd	oFd.ecf
Greenwich	od.f	od.fm	od.cbem
Camden Square	odr	o	*
Kensington	om	crz	*
Hampstead	pr	ofrx	bcb

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 1·1 Time 8h–9h
Min. 0·1 Time 1–4h 10h

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	34	32	0·2	0·3	0·0	*	*
Croydon	36	34	32	0·3	0·2	0·0	*	*
Greenwich	38	33	31	Tr	Tr	0·0	87	33
Westminster	40	34	31	0·7			91	94
Regents Park	39	33	32	Tr	-		87	90
Camden Square	39	33	29	0·3	0·5	*	*	91
Kensington	40	34	32	0·2	0·4		89	90
Hampstead	37	31	28	0·2	0·2		*	95

BRITISH SECTION

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

SECRET

Wednesday, 11th February 1942

No. 29,201

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)	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)	13.3	-24	WSW	3	[illegible]	42	85	36	5	5	3	-	4-6	7-8	4000
	Croydon ...	14.2	-20	W	2	[illegible]	43	85	37	6	5	7	-	4-6	9+	2000
	S. Farnborough	14.6	-20	W'S	3	[illegible]	42	85	37	6	5	-	-	9+	9+	3700
	Boscombe Down	16.1	-18	W'N	4	[illegible]	44	85	39	8	7	-	1	9+	9+	3500
	Thorney Island	15.3	-20	W	2	c/r	44	85	39	6	5	-	-	10	10	2500
	Lympne ...	14.7	-20	WSW	2	c/r	39	85	35	6	5	3	-	4-6	7-8	4000
	Manston ...	12.9	-22	W	4	[illegible]	39	85	35	5	5	-	-	10	10	2500
2	Shoeburyness ...	13.6	-14	W'S	3	cf	42	85	37	8	5	-	-	7-8	7-8	4000
	Felixstowe ...	12.1	-20	WSW	3	[illegible]	42	85	36	5	5	-	7	2-3	9	3200
	Gorleston ...	10.8	-20	NW'W	4	[illegible]	42	76	34	6	5	-	-	9+	9+	1200
	Mildenhall ...	11.3	-22	WSW	5	[illegible]	40	85	37	5	5	7	-	2-3	7-8	4000
	Cranwell ...	10.3	-22	W	4	[illegible]	41	85	36	5	5	-	1	4-6	4-6	2000
3	Birmingham ...	12.5	-16	W	3	c	44	75	37	6	5	7	-	2-3	9+	2500
	Upper Heyford	13.1	-24	WSW	3	[illegible]	43	85	38	6	5	-	-	9	9	2500
4	Ross-on-Wye	14.4	-14	WNW	3	c	46	75	39	8	8	-	8	9	9+	2500
5	Hartland Point	17.7	-10	WNW	3	d/p	45	85	39	8	8	4	-	7-8	9	1500
	Bristol ...	15.5	-14	SW	3	c	45	85	40	6	5	-	-	9+	9+	2500
	Portland Bill ...	17.0	-10	NW	3	c	45	85	41	8	2	-	-	9	9	4000
	Plymouth ...	18.1	-14	WNW	4	id	44	92	42	6	5	1	-	9+	9+	3000
	The Lizard ...	19.5	-10	NW	4	pr	46	75	37	8	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	19.8	-12	NNW	2	c	48	65	36	8	8	5	-	7-8	10	1500
	Guernsey ...															
6	Pembroke ...	17.4	-10	NW'W	5	c	46	85	42	8	8	4	-	7-8	7-8	2000
7	Holyhead ...	13.9	-18	WNW	5	bc	48	85	43	8	8	4	2	2-3	4-6	2000
	Chester (Sealand)	12.6	-14	W'N	5	cq	47	75	39	7	8	-	2	4-6	9+	4000
8	Manchester ...	12.0	-20	W'S	5	c/pr	44	85	40	6	2	3	-	7-8	9+	2000
10	Spurn Head ...	08.8	-12	W	4	[illegible]	41	92	39	5	5	-	-	9+	9+	2500
	Catterick ...	07.9	-24	W	4	c	42	85	37	8	-	7	-	0	10	-
	Tynemouth ...	09.3	+8	NNE	5	c/pr	37	92	36	6	8	-	-	9+	9+	2600
11	St. Abbs Head	10.5	+18	NNE	3	rs	35	97	34	6	5	2	-	9	10	1000
	Leuchars ...	11.3	+14	N	2	c	36	85	31	9	8	3	-	2-3	9	2000
12	Renfrew (Abbotsl.)	11.9	+30	ENE	2	c/d	37	92	35	7	5	7	-	7-8	10	1800
	Eskdalemuir ...	09.9	+4	NE	3	ss	34	97	33	5	-	2	-	10	10	800
	Point of Ayre...	10.8	-20	WNW	5	c	45	85	42	8	8	-	7	4-6	10	1800
13A	Tiree	14.6	+22	N'E	5	bc	40	75	32	8	8	-	-	4-6	4-6	2800
13B	Stornoway ...	16.0	+10	N	5	c/ps	32	97	32	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	14.0	+12	NNE	3	c	29	75	22	8	8	-	-	7-8	7-8	2500
	Aberdeen ...	11.1	0	NW	3	c	34	75	28	7	8	-	-	7-8	7-8	2200
	Wick ...	12.7	+6	N	4	c/ps	28	85	24	7	3	6	3	7-8	8	1400
16	Sumburgh ...	03.5	-4	N	3	bcjp	20	75	21	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	18.2	-4	NW'W	3	c	46	85	42	8	5	-	-	9	9	1500
18	Malin Head ...	14.2	+10	N	5	rs	42	85	38	6	8	-	-	9+	9+	800
	Aldergrove ...	13.1	-14	WNW	4	pr	46	85	40	8	8	1	6	7-8	9+	1800
19	Birr Castle ...	17.5	-14	WSW	5	c	47	85	43	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	20.5	-10	NW'W	4	pr	47	92	45	7	8	-	-	9+	9+	1500
	Roches Point	19.1	-14	NNW	3	c	47	85	43	8	8	-	-	9	9	2500

OBSERVATIONS at 18h. 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)	10.8	-12	SW'W	3	[illegible]	42	85	37	5	5	-	-	9+	9+	2500	1	*
	Croydon ...	11.5	-10	WSW	2	[illegible]	42	85	38	5	5	7	-	7-8	10	2500	1	*
	S. Farnborough	11.6	-14	W	4	c	42	85	37	7	5	3	8	4-6	9+	5000	1	*
	Boscombe Down	13.4	-6	W	3	c	42	85	38	8	5	7	-	9	10	1600	1	*
	Thorney Island	12.9	-14	W	3	[illegible]	44	85	40	6	5	-	-	9+	9+	4000	1	*
	Lympne ...	12.2	-10	SW	2	[illegible]	38	92	36	5	5	-	-	10	10	2000	4	§ 3
	Manston ...	10.0	-10	WSW	4	[illegible]	38	85	36	5	5	-	-	10	10	2000	6	*
2	Shoeburyness ...	10.8	-14	WSW	3	cf	41	85	37	8	5	-	-	9+	9+	2500	4	*
	Felixstowe ...	08.0	-18	W'S	4	[illegible]	40	85	35	6	5	-	-	9+	9+	3500	4	4
	Gorleston ...	08.4	-6	WNW	3	[illegible]	40	85	36	6	5	-	-	10	10	1200	1	2
	Mildenhall ...	08.7	-10	W'S	4	[illegible]	40	85	37	6	6	2	-	9	10	1500	6	*
	Cranwell ...	09.2	+6	NNE	4	[illegible]	37	97	36	5	6	-	-	10	10	600	6	*
3	Birmingham ...	10.6	-10	W	3	[illegible]	42	85	38	6	6	-	-	10	10	800	1	*
	Upper Heyford	11.0	-10	WSW	4	c	41	85	35	8	5	7	-	7-8	9+	2500	1	*
4	Ross-on-Wye	12.3	-10	W	3	c	46	75	38	8	5	-	1	9+	9+	2500	1	*
5	Hartland Point	15.5	-6	WNW	2	c/r	44	92	42	8	8	2	-	7-8	9+	1000	1	3
	Bristol ...	13.2	-6	W	3	c	43	85	38	7	5	2	-	9	9+	2000	1	*
	Portland Bill ...	13.9	-10	WNW	4	c	45	85	41	8	5	-	-	10	10	2500	1	4
	Plymouth ...	16.7	-4	WNW	3	[illegible]	43	97	43	6	5	-	-	7-8	7-8	4000	1	3
	The Lizard ...	17.5	-4	NW	3	c/pr	43	92	41	8	8	2	-	7-8	10	1500	1	3
	Scilly (St. Mary's)	18.3	-2	NNW	3	c	46	75	38	8	5	-	-	9+	9+	1500	1	3
	Guernsey ...																	
6	Pembroke ...	15.8	-10	W	5	c	46	85	42	8	8	4	-	4-6	7-8	2000	1	3
7	Holyhead ...	12.5	+2	N'E	5	[illegible]	43	92	40	7	6	2	-	7-8	10	1000	1	4
	Chester (Sealand)	11.2	+6	NW'N	5	c/r	43	85	39	6	5	-	-	7-8	9+	2000	1	*
8	Manchester ...	10.3	+6	NNW	4	pr	43	85	39	5	9	-	-	7-8	10	1200	1	*
10	Spurn Head ...	08.6	+2	NNE	3	c	36	97	36	7	5	-	-	9+	9+	2500	1	3
	Catterick ...	12.6	+24	N	4	rs	34	92	30	4	6	2	-	4-6	10	800	6	*
	Tynemouth ...	12.1	+14	NNE	5	c/rs	34	85	30	6	8	-	-	9	9	1500	4	4
11	St. Abbs Head	12.8	+20	NNW	6	bcq	33	92	32	8	2	4	-	4-6	4-6	2500	4	4
	Leuchars ...	15.6	+34	NNE	4	[illegible]	30	75	24	6	8	-	-	7-8	7-8	2500	4	*
12	Renfrew (Abbotsl.)	16.3	+30	NNE	4	sh	35	75	28	8	5	-	-	9+	9+	1500	1	*
	Eskdalemuir ...	14.7	+28	N	2	bc/ps	30	75	22	7	5	-	-	4-6	4-6	1500	9	*
	Point of Ayre...	14.2	+20	NE	5	bc	38	75	32	8	8	-	-	4-6	4-6	1500	11	4
13A	Tiree																	
13B	Stornoway ...	18.3	+12	N	3	c/ps	31	85	30	7	5	7	-	7-8	9+	2000	4	2
15	Dalwhinnie ...	01.7	+26	N	2	b	23	85	19	8	1	-	-	1	1	2500	8	*
	Aberdeen ...	05.1	+16	N'W	3	bc	28	65	16	7	8	-	-	2-3	2-3	2200	8	3
	Wick ...	14.2	+10	N	3	c/pr	30	85	26	7	3	-	-	2-3	7-8	1600	8	*
16	Sumburgh ...	10.6	+6	NNW	4	c/ps	30	85	26	8	3	-	-	7-8	7-8	800	8	3
17	Blacksod Point	17.0	0	NNE	4	c/r	44	92	42	7	5	-	-	10	10	800	1	4
18	Malin Head ...	17.6	+20	N	5	c	40	55	25	8	4	6	-	4-6	7-8	2500	1	5
	Aldergrove ...	16.6	+24	NNW	2	bc	36	75	29	8	5	-	1	2-3	2-3	4000	1	*
19	Birr Castle ...	15.7	0	NW	2	c	46	85	42	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	19.3	-2	N	4	c/p	46	85	42	8	5	-	-	9+	9+	2500	1	3
	Roches Point	17.4	-6	NW	4	c	46	85	42	8	5	-	-	9	9	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h.—1h. (41)	Weather. 1h.—7h. (42)
1	London (Kew)	[illegible]	[illegible]	[illegible]	[illegible]
	Croydon ...	[illegible]	[illegible]	[illegible]	[illegible]
	S. Farnborough	[illegible]	[illegible]	[illegible]	[illegible]
	Boscombe Down	[illegible]	[illegible]	[illegible]	[illegible]
	Thorney Island	[illegible]	[illegible]	[illegible]	[illegible]
	Lympne ...	[illegible]	[illegible]	[illegible]	[illegible]
	Manston ...	[illegible]	[illegible]	[illegible]	[illegible]
2	Shoeburyness ...	[illegible]	[illegible]	[illegible]	[illegible]
	Felixstowe ...	[illegible]	[illegible]	[illegible]	[illegible]
	Gorleston ...	[illegible]	[illegible]	[illegible]	[illegible]
	Mildenhall ...	[illegible]	[illegible]	[illegible]	[illegible]
	Cranwell ...	[illegible]	[illegible]	[illegible]	[illegible]
3	Birmingham ...	[illegible]	[illegible]	[illegible]	[illegible]
	Upper Heyford	[illegible]	[illegible]	[illegible]	[illegible]
4	Ross-on-Wye	[illegible]	[illegible]	[illegible]	[illegible]
5	Hartland Point	[illegible]	[illegible]	[illegible]	[illegible]
	Bristol ...	[illegible]	[illegible]	[illegible]	[illegible]
	Portland Bill ...	[illegible]	[illegible]	[illegible]	[illegible]
	Plymouth ...	[illegible]	[illegible]	[illegible]	[illegible]
	The Lizard ...	[illegible]	[illegible]	[illegible]	[illegible]
	Scilly (St. Mary's)	[illegible]	[illegible]	[illegible]	[illegible]
	Guernsey ...				
6	Pembroke ...	[illegible]	[illegible]	[illegible]	[illegible]
7	Holyhead ...	[illegible]	[illegible]	[illegible]	[illegible]
	Chester (Sealand)	[illegible]	[illegible]	[illegible]	[illegible]
8	Manchester ...	[illegible]	[illegible]	[illegible]	[illegible]
10	Spurn Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Catterick ...	[illegible]	[illegible]	[illegible]	[illegible]
	Tynemouth ...	[illegible]	[illegible]	[illegible]	[illegible]
11	St. Abbs Head	[illegible]	[illegible]	[illegible]	[illegible]
	Leuchars ...	[illegible]	[illegible]	[illegible]	[illegible]
12	Renfrew (Abbotsl.)	[illegible]	[illegible]	[illegible]	[illegible]
	Eskdalemuir ...	[illegible]	[illegible]	[illegible]	[illegible]
	Point of Ayre...	[illegible]	[illegible]	[illegible]	[illegible]
13A	Tiree	[illegible]		[illegible]	[illegible]
13B	Stornoway ...	[illegible]	[illegible]	[illegible]	[illegible]
15	Dalwhinnie ...	[illegible]	[illegible]	*	[illegible]
	Aberdeen ...	[illegible]	[illegible]	[illegible]	[illegible]
	Wick ...	[illegible]	[illegible]	[illegible]	[illegible]
16	Sumburgh ...	[illegible]	[illegible]	[illegible]	[illegible]
17	Blacksod Point	[illegible]	[illegible]	[illegible]	[illegible]
18	Malin Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Aldergrove ...	[illegible]	[illegible]	* *	[illegible]
19	Birr Castle ...	[illegible]	[illegible]	[illegible]	[illegible]
20	Valentia Obsy.	[illegible]	[illegible]	[illegible]	[illegible]
	Roches Point	[illegible]	[illegible]	[illegible]	[illegible]

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 11th February, 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light N.W. wind backing west moderate. Fair at first. Cloudy later with occasional slight rain. Less 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	Moderate west wind veering N.W. fresh on coasts. Mainly cloudy. Occasional light rain. Less cold.
13A W. Scotland ... ✦ 13B N.W. Scotland ✦ 14 Mid Scotland 15 N.E. Scotland ✦	Moderate W. to N.W. wind, fresh or strong locally on coasts. Cloudy. Occasional rain. Less cold.
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 W. to N.W. wind. Fair at first. Slight rain locally later. Average temperature.

GENERAL INFERENCE

Troughs of low pressure are moving S.E. across the British Isles. There will be occasional rain in the North. In the South weather will be fair at first, but cloudy conditions are expected later with occasional slight rain. It will become milder generally.

FURTHER OUTLOOK

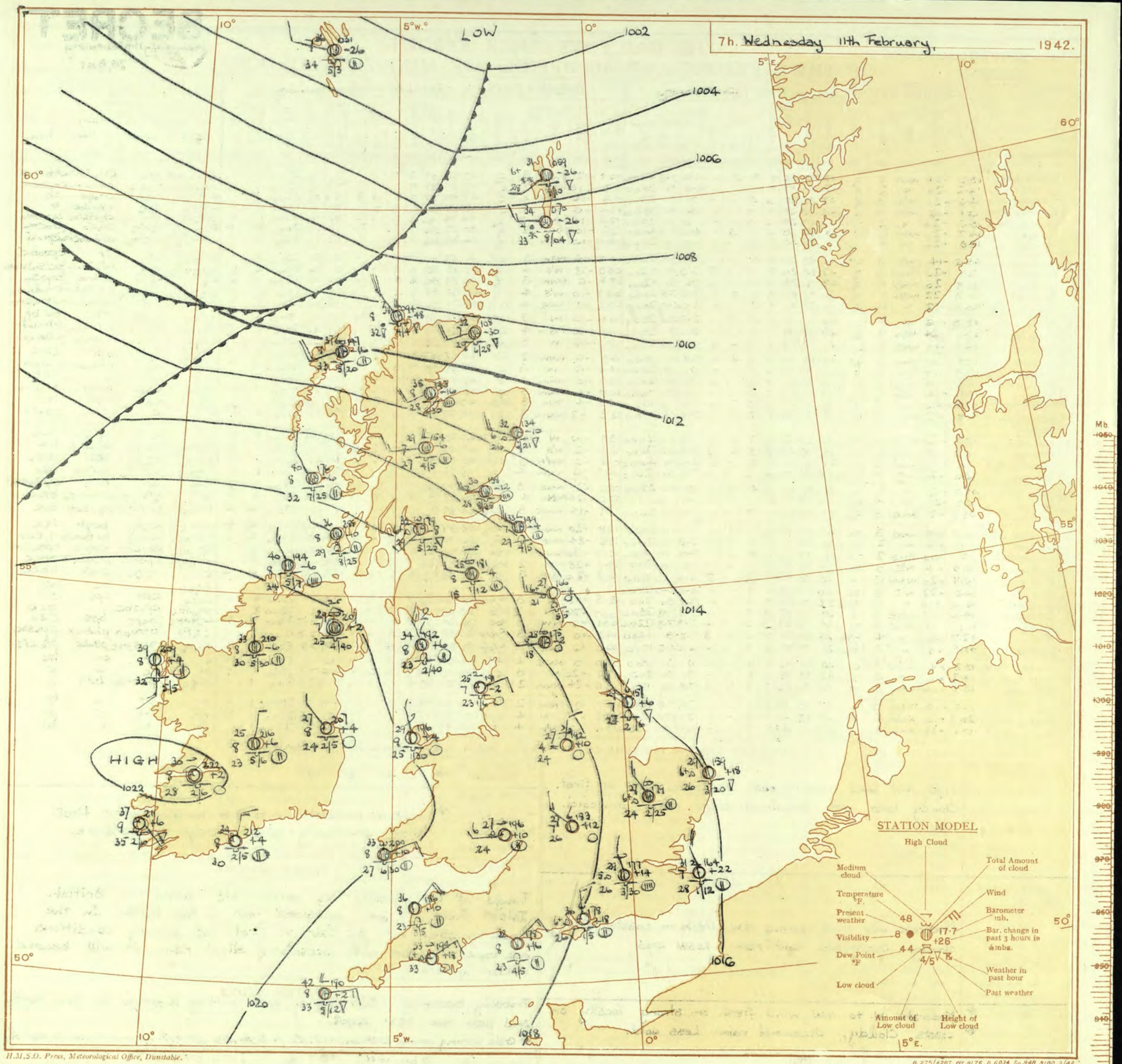
Probably becoming colder again with wintry showers in the North and near the East coast.

✦ Gale warning issued 0715h on. 11:2:42. in districts 13A 13B-16. and 15 and 18 (part of).

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

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

7h. Wednesday 11th February, 1942.



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

6.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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).

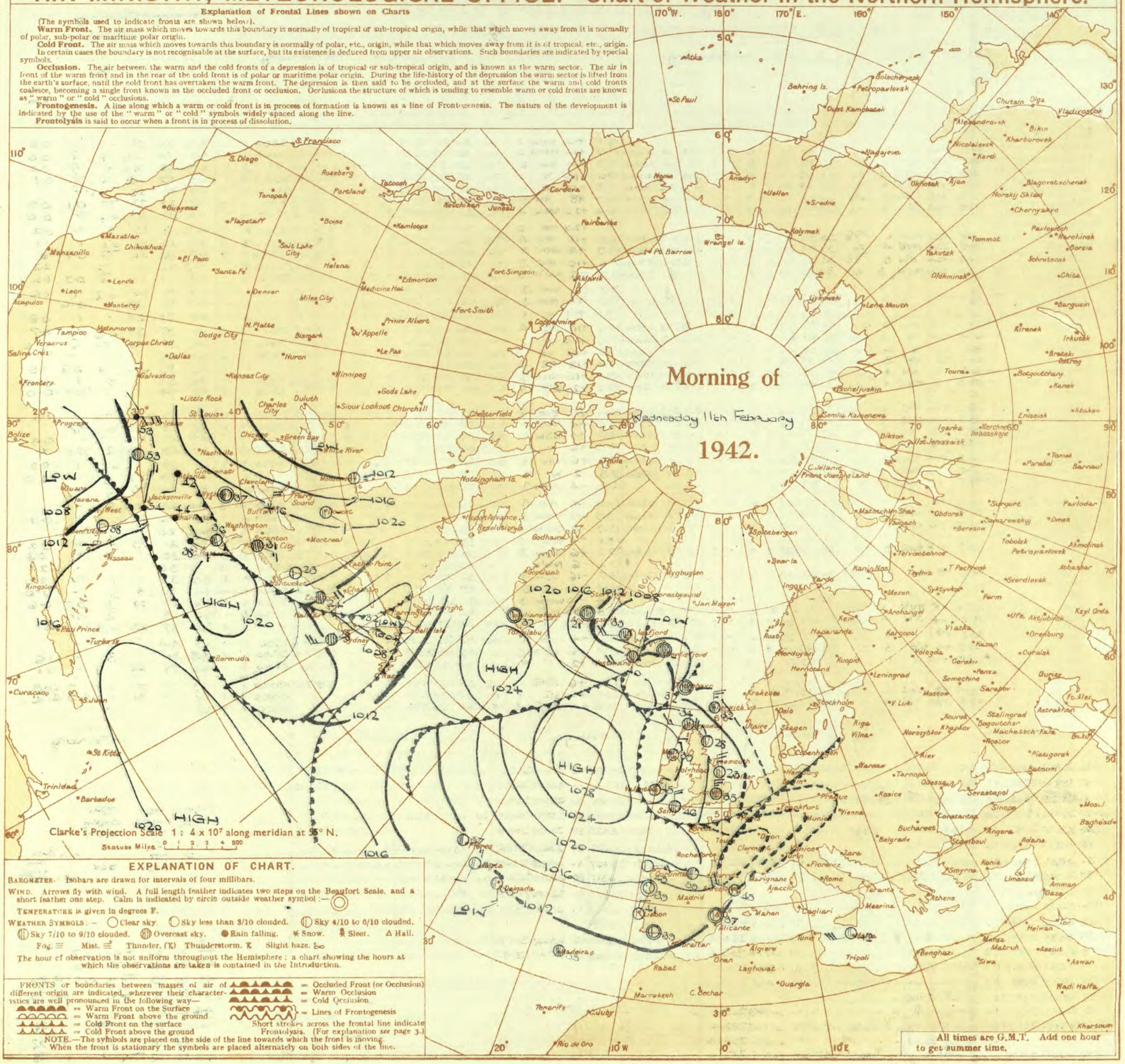
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

BRITISH SECTION

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

Wednesday 11th February 1942
No. 29,301

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)	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	217	14·3	+26	N	5	zo	35	85	30	5	6	7	-	7-8	10	2600
	S. Farnborough	226	15·1	+28	NW	2	c	35	75	29	7	5	-	-	10	10	2000
	Boscombe Down	417	16·0	+30	NE'N	3	bc	34	85	30	7	5		-	2-3	2-3	2000
	Thorney Island	10	14·2	+22	NE'N	3	c	38	85	33	7	5	-	-	4-6	7-8	1800
	Lympne	346	13·2	+18	WNW	2	io	34	92	32	5	6	-	-	10	10	1500
	Manston	154	12·5	+28	N	6	zo	34	85	31	6	5	-	-	10	10	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	12·8	+22	NNW	2	bc/s	33	92	31	7	5	-	-	2-3	2-3	1500
	Gorleston	5	13·7	+24	NNE	4	zo	33	85	30	6	8	-	-	4-6	4-6	1500
	Mildenhall	19	14·0	+24	N'W	5	bc/s	32	92	31	6	5	-	-	2-3	2-3	2500
	Cranwell	240	15·4	+20	NW'N	3	zo	30	92	29	6	5	-	-	Tr	Tr	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·0	+24	N	4	b	32	97	29	7	-	4	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·4	+10	WNW	3	c	41	75	35	8	5	-	-	7-8	7-8	1500
	Bristol	20?	16·6	+34	NE	2	zo	35	85	32	6	5	-	-	2-3	2-3	3000
	Portland Bill	32	14·2	+6	N	4	o	42	92	40	7	5	-	-	10	10	2500
	Plymouth	82	16·3	-2	NW	3	io	45	97	43	7	5	1	-	10	10	1500
	The Lizard	240	16·9	-6	NW	4	c	45	92	43	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	17·8	-6	NNW	4	c	46	85	43	8	8	-	-	7-8	7-8	200
	Guernsey	175															
6	Pembroke	142	18·0	+16	N'E	4	bc	37	75	32	7	7	-	-	2-3	2-3	2500
7	Holyhead	26	18·3	+14	NNE	3	c	34	75	28	7	5	-	-	9	9	2500
	Chester (Sealand)	16	18·3	+18	NW	3	b	29	75	23	7	5	-	-	1	1	4000
8	Manchester	235	17·9	+18	NW'N	3	b	29	75	22	6	-	-	-	0	0	-
10	Spurn Head	29	14·2	+16	NNW	5	cq	33	85	29	7	1	-	-	1	1	4000
	Catterick	175	17·0	+16	NW'N	4	zo	28	75	24	6	5	-	-	Tr	Tr	3500
	Tynemouth	108	16·7	+8	NNW	3	b	32	86	29	7	-	-	-	0	0	-
11	St. Abbs Head	280	16·0	+8	NW	4	b	30	85	27	7	4	4	-	Tr	1	2500
	Leuchars	36	17·3	+2	NNE	3	b	27	92	25	7	5	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	19	19·2	+6	WSW	1	b	27	85	23	7	5	-	-	Tr	Tr	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·3	+14	ENE	3	b	38	65	22	8	4	-	-	Tr	Tr	4800
13A	Tiree	22															
13B	Stornoway	80	18·5	-8	W	3	c/ps	34	92	30	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	29	*	*	*	*	*	*	*	*	*
	Wick	119	14·4	-8	NW'N	4	c/ph	33	75	26	8	8	-	-	7-8	7-8	2500
16	Sumburgh	30	11·0	-4	N'W	4	c/jp	32	65	21	7	8	-	-	9	9	1200
17	Blacksod Point	18	22·1	+8	-	0	bc	35	75	28	8	4	-	-	4-6	4-6	2500
18	Malin Head	84	20·7	+6	N'E	3	c	39	45	19	8	5	-	-	9	9	4000
	Aldergrove	268	20·8	+10	N	1	c	32	85	27	8	6	-	-	9	9	4500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·5	+2	NNE	2	bc/pr	45	92	43	8	2	-	-	4-6	4-6	2500
	Roches Point	22	19·8	+12	N'W	4	c	45	85	41	8	5	-	-	9+	9+	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)	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)	18·1	+16	NNW	2	zo	30	75	25	5	5	-	-	2-3	2-3	2500	1	*
Croydon	17·7	+14	NNW	2	zo	29	85	26	5	5	-	1	2-3	4-6	3000	3	*
S. Farnborough	18·3	+14	NW	2	bc	29	85	25	7	-	-	1	0	2-3	-	3	*
Boscombe Down	19·2	+14	N	2	zo	27	92	25	6	5	-	-	Tr	Tr	4000	3	*
Thorney Island	17·8	+18	N	3	zo	30	85	27	6	5	4	-	Tr	1	2500	3	*
Lympne	16·9	+18	NW	3	bc	30	92	29	7	5	7	-	1	2-3	800	4	§ 3
Manston	16·4	+22	NNW	4	bc	31	85	28	7	5	-	5	Tr	2-3	1200	4	*
Shoeburyness	17·5	+20	NW	2	bc	30	85	27	7	5	3	-	2-3	4-6	2500	8	*
Felixstowe	16·5	+16	NW	3	bc/s	30	85	27	6	8	-	-	2-3	2-3	4000	3	3
Gorleston	15·9	+18	NNW	2	zo	29	92	26	6	5	-	-	2-3	4-6	2000	7	3
Mildenhall	17·0	+10	NW	3	zo	27	92	26	6	5	3	1	Tr	4-6	2500	8	*
Cranwell	17·9	+12	NW'N	3	zo	27	92	24	6	5	7	-	1	9	2500	4	*
Birmingham	19·3	+8	NW	3	bf	26	85	22	3	-	7	-	0	1	-	4	*
Upper Heyford	18·3	+12	NW	3	bc	27	97	26	7	-	4	-	0	2-3	-	3	*
Ross-on-Wye	19·6	+10	W	1	zo	27	85	24	6	-	-	1	0	1	-	3	*
Hartland Point	18·6	+10	NE	4	bc	36	65	23	8	4	-	-	2-3	2-3	2500	1	4
Bristol	19·6	+14	N	1	m	28	85	24	4	5	-	-	Tr	Tr	3000	3	*
Portland Bill	17·8	+16	NE	3	bc	32	85	28	8	4	-	-	4-6	4-6	2500	1	4
Plymouth	19·4	+18	NE	3	zo	33	92	33	6	-	-	1	0	Tr	-	1	3
The Lizard	19·4	+16	NNE	3	bc	35	92	32	7	8	-	-	4-6	4-6	2500	0	4
Scilly (St. Mary's)	19·0	+2	E'N	3	c	42	75	33	8	5	2	-	7-8	9+	1200	1	3
Guernsey																	
Pembroke	20·1	+12	ENE	3	c	35	75	28	7	5	4	-	7-8	7-8	2500	1	2
Holyhead	19·6	+4	NNE	1	bc	29	85	25	9	5	-	4	Tr	2-3	3000	3	2
Chester (Sealand)	19·5	+4	WSW	1	zo	26	85	22	6	-	4	3	0	2-3	-	3	*
Manchester	19·5	+6	-	0	bc	24	85	19	6	5	-	-	2-3	2-3	2500	3	*
Spurn Head	15·7	+6	NW	5	bc	29	97	29	7	4	4	-	1	2-3	4000	4	3
Catterick	17·5	-2	W	2	c	28	65	18	8	-	7	-	0	9	-	8	*
Tynemouth	16·6	-4	NNW	3	zo	27	85	21	6	8	-	-	7-8	7-8	2500	3	4
St. Abbs Head	14·9	-4	NW	5	c	33	85	29	7	4	1	-	4-6	9+	2500	4	3
Leuchars	15·8	-12	WNW	3	c	30	92	28	7	5	-	-	10	10	3500	4	*
Renfrew (Abbots I.)	17·9	-8	SW'W	1	zo	32	85	29	6	5	3	-	7-8	9+	2500	3	*
Eskdalemuir	18·1	-4	W'N	3	c	25	65	15	8	5	7	8	Tr	7-8	1200	9	
Point of Ayre	19·2	+6	NNW	3	c	34	65	23	8	4	4	6	1	7-8	4000	3	3
Tiree	17·6	-6	NW'N	2	c	40	65	32	8	5	-	-	9+	9+	2500	0	3
Stornoway	14·7	-16	WSW	4	c	37	75	33	7	5	7	-	7-8	9+	2000	4	2
Dalwhinnie	15·4	-6	W	3	o	29	85	27	7	5	2	-	4-6	10	2500	8	*
Aberdeen	13·4	-10	WNW	3	zo	32	85	26	5	5	-	-	9	9	2100	8	
Wick	10·8	-30	W'S	4	c	32	92	29	7	5	-	-	9	9	2800	8	*
Sumburgh	07·0	-26	W	3	rs	34	97	33	4	6	-	-	10	10	400	8	4
Blacksod Point	20·9	-4	S	3	bc	39	75	32	8	4	-	-	4-6	4-6	2500	0	3
Malin Head	19·4	-6	NW'N	3	c	40	45	20	8	5	-	-	7-8	7-8	5700	0	4
Aldergrove	20·7	+2	-	0	c	29	85	25	7	5	7	7	4-6	10	4000	3	*
Birr Castle	21·6	+6	NNE	1	c	25	97	24	8	5	-	-	7-8	7-8	4000	1	*
Valentia Obsy.	21·1	+6	SE	1	b	37	92	35	9	5	-	-	1	1	4000	1	1
Roches Point	21·2	+4	NNE	3	b	34	85	34	8	5	-	-	1	1	2500	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 10th Hrs. (38)
London (Kew)	44	30	23	Tr	0·1	0·2
Croydon	43	29	26	Tr	Tr	0·0
S. Farnborough	45	28	24	-	Tr	0·2
Boscombe Down	45	27	23	-	Tr	0·1
Thorney Island	47	29	26	-	Tr	*
Lympne	42	29	27	Tr	0·1	0·5
Manston	40	31	25	0·1	Tr	0·0
Shoeburyness	44	30	25	Tr	Tr	0·2
Felixstowe	43	29	28	0·1	1	1·1
Gorleston	43	28	26	Tr	0·1	*
Mildenhall	43	26	17	Tr	1	2·2
Cranwell	42	24	24	2	0·2	1·6
Birmingham	45	25	20	0·2	1	1·6
Upper Heyford	44	27	23	-	0·6	*
Ross-on-Wye	48	27	20	-	1	0·8
Hartland Point	47	37	33	0·6	1	0·7
Bristol	46	27	18	Tr	Tr	0·6
Portland Bill	46	32	*	-	-	
Plymouth	49	33	26	Tr	0·3	1·5
The Lizard	46	34	*	+	1	0·0
Scilly (St. Mary's)	48	44	*	-	0·1	0·0
Guernsey						
Pembroke	47	32	*	Tr	-	1·5
Holyhead	48	29	22	0·6	Tr	*
Chester (Sealand)	47	25	24	1	-	0·4
Manchester	45	23	19	2	0·1	*
Spurn Head	41	29	*	0·6	1	0·2
Catterick	44	24	23	4	-	0·0
Tynemouth	37	26	25	2	1	*
St. Abbs Head	44	29	*	5	-	*
Leuchars	38	26	23	0·6	-	0·9
Renfrew (Abbots I.)	44	26		3	Tr	
Eskdalemuir	39	21	15	5	Tr	0·2
Point of Ayre	46	32	*	1	-	0·3
Tiree		36	*		-	2·1
Stornoway	36	30	*	1	Tr	2·0
Dalwhinnie	34	20	15	5	-	1·0
Aberdeen	34	26	22	3	0·2	0·6
Wick	34	28		2	Tr	*
Sumburgh	32	27	22	0·3	1	4·1
Blacksod Point	49	34	*	1	-	*
Malin Head	48	31		3	-	0·6
Aldergrove	46	28	26	1	-	0·1
Birr Castle	49	25	21	0·1	-	0·3
Valentia Obsy.	48	37	31	1	0·5	4·4
Roches Point	48	*	*	-	-	*

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	30	26844	32684	3-	10850	28486	30	26856	28586	52	68638	24678
115	87	88844	32587	87	88844	28487	87	27844	32487	52	81844	61687
203	8-	38236	32626	8-	02838	32528	8-	02837	32477	5-	02836	24426
206	5-	26756	32387	20	00962	32383	8-	01854	24314	5-	02868	22428
210	86	83635	30487	86	01953	63483	5-	01944	24414	5-	02868	22428
220	83	01854	29415	86	01953	63483				40	01745	27415
230	5-	01854	02464	80	01844	30385	50	00851	32201	87	02856	22118
245	87	26965	32276	80	00962	28282	50	00861	24201	87	02865	24227
260	81	23745	06275	8-	02755	31215	50	05652	32202			
278	5-	52638	60688	8-	81847	32386	50	00851	06311	5-	05567	16127
279	52	64646	22488	80	01854	02364	00	00890	32100	53	01863	24114
285	27	81625	26588	62	71635	06577				50	01744	32414
288	57	81647	32388	52	72447	30378	40	05662	28382	53	01774	24215
575	57	21844	26468	54	01854	18038	50	01853	02113	5-	02865	32115
301	51	25755	26588	53	05554	04464	00	05690	01320	50	00761	06202
321	53	05653	26427	5-	22548	62468	00	05690	63470			
299	5-	51655	24255	5-	54748	32658	5-	01743	32513	5-	01743	26213
292	57	02864	23427	5-	52448	30478	00	00790	30380	55	01863	28214
310				--	46209	26548				--	01634	26414
614	70	02644	26328	62	74435	39468	50	05653	30323	04	05690	28214

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	5-	02847	24357	52	61645	26528	50	01763	18163	54	01963	32115
334	--	02645	28206	--	64547	26368				--	02656	28228
340	5-	02958	28388	5-	62858	26268	50	05671	30211	00	05590	28204
136	5-	05665	22416	52	62535	24568	20	00752	32482	86	26654	26385
336	57	02755	28428	87	25656	24488				54	02754	32316
350	43	05663	24425	57	22655	23367	50	05674	30464	50	05663	28215
368	8-	02867	24467	5-	05657	23488	50	05642	32362	00	05690	00001
379	5-	02757	20317	57	02755	22317	50	05641	32461	04	05690	30302
390	5-	05555	24367	5-	22458	24368	8-	88546	32388	03	05685	30285
382	57	02857	22427	57	02865	23327	50	05643	32413	03	05690	30302
438	5-	02557	22427							50	01664	32414
430	5-	05448	22258	53	05665	24428	5-	01754	35564	50	00851	32312
409	5-	22856	30367	8-	81745	28485	5-	02648	32468	04	00790	02161

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

§ Sea disturbance reported from Dungeness.

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

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	ridome	cm	cmbx
Croydon	cirpr	cmcz	cmfcm
Greenwich	cfcm	cm	cbxm
Camden Square	bc	c	*
Kensington	bcz	bcz	*
Hampstead	bc	bcp	bcx

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·3 Time 9–11h 10th. Min. <0·1 Time 22–24h 10th.

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	44	30	23	Tr	0·1	0·2	*	*
Croydon	43	29	26	Tr	Tr	0·0	*	*
Greenwich	45	29	25	Tr	-	0·5	78	80
Westminster	44	31	28	0·1			84	75
Regents Park	44	29	22	-	-		75	77
Camden Square	44	29	23	-	-	*	*	81
Kensington	45	29	26	Tr	Tr		81	92
Hampstead	43	33	32	Tr	-		*	85

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

SECRET

Thursday 12th February 1942

No. 29302

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)	20.1	+4	NNW	2	zo	35	55	22	6	-	5	8	0	9	-
	Croydon	19.7	+4	NW	2	m	35	65	24	4	-	3	2	0	7-8	-
	S. Farnborough	20.2	-2	NNW	3	c	37	65	26	8	-	-	9	0	9	-
	Boscombe Down	20.8	+2	N	2	c	35	75	27	7	1	-	6	Tr	7-8	2000
	Thorney Island	20.0	+2	N'E	2	c	38	65	26	7	1	3	6	Tr	9	4000
	Lympne	19.6	+10	NW	2	zo	34	85	29	6	-	7	-	0	10	-
	Manston	19.2	+12	NW	4	zo	33	85	28	6	-	1	-	0	10	-
2	Shoeburyness	10.8	+10	NNW	2	c	34	85	31	7	-	1	6	0	9+	-
	Felixstowe	18.5	+10	NW	3	c	34	75	28	7	-	1	-	0	10	-
	Gorleston	18.7	+14	NW	3	zo	33	75	27	6	5	-	2	4-6	9+	1000
	Mildenhall	19.3	+6	WNW	2	zo	32	75	27	6	-	1	-	0	9	-
	Cranwell	18.9	0	WNW	3	zo	32	85	28	5	-	1	-	0	10	-
3	Birmingham	20.2	-2	WNW	2	zo	33	65	23	6	-	-	2	0	4-6	-
	Upper Heyford	19.9	-2	WNW	3	c	34	85	29	5	-	7	8	0	7-8	-
4	Ross-on-Wye	20.7	0	W	2	c	34	75	26	8	-	7	-	0	9+	-
5	Hartland Point	20.9	+4	NNE	1	c	37	65	25	8	4	4	6	4-6	7-8	3000
	Bristol	21.1	-4	N'W	1	zo	36	65	26	6	5	7	6	2-3	10	4000
	Portland Bill	19.8	+4	NE	3	c	37	85	34	8	2	4	-	4-6	10	4000
	Plymouth	21.4	0	NE	2	c	40	75	34	9	-	-	7	0	9+	-
	The Lizard	20.9	+4	NNE	3	bc	44	55	36	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	21.4	+8	E'S	1	c	46	65	34	8	5	-	-	9+	9+	1500
	Guernsey															
6	Pembroke	21.6	+6	SE	1	c	39	65	28	8	5	6	-	7-8	7-8	2500
7	Holyhead	20.6	+6	NW	1	c	39	55	26	8	5	7	-	1	9+	3000
	Chester (Sealand)	20.3	-2	W'N	3	c	37	55	23	7	-	7	8	0	9+	-
8	Manchester	19.8	-4	W'S	3	zo	33	85	28	5	-	7	-	0	9+	-
10	Spurn Head	17.6	-2	WNW	4	c	32	97	32	6	7	7	-	7-8	9	4000
	Catterick	17.7	-4	WNW	3	bc	35	75	29	8	-	-	5	0	4-6	-
	Tynemouth	17.1	-12	W	4	c	35	85	31	6	8	-	-	9	9	1600
11	St. Abbs Head	13.4	-14	W	5	c	36	75	29	9	4	5	9	4-6	9	2500
	Leuchars	12.6	-24	WSW	6	zo	36	65	26	6	5	4	8	2-3	9+	4000
12	Renfrew (Abbots I.)	15.7	-16	WSW	3	c	39	85	35	8	5	7	-	4-6	10	2000
	Eskdalemuir	16.1	-8	SW'S	3	c	31	75	23	8	5	-	-	9	9	1900
	Point of Ayre	19.3	0	NW'W	4	c	40	65	29	8	5	2	-	4-6	10	4000
13A	Tiree	15.7	-10	WNW	4	c	44	65	34	8	5	-	-	9+	9+	2500
13B	Stornoway	10.5	-6	WSW	6	c	43	85	37	8	5	7	-	7-8	10	2000
15	Dalwhinnie	13.6	-14	W	4	o	33	85	30	8	8	2	-	7-8	10	2500
	Aberdeen	09.6	-22	W	4	c	38	65	26	7	-	2	-	9+	9+	2500
	Wick	07.0	-10	W	4	rr	36	92	33	6	5	2	-	7-8	10	1500
16	Sumburgh	02.7	-18	W	3	iro	38	85	34	7	5	7	-	9	10	1200
17	Blacksod Point	20.0	-12	S'W	3	c	43	75	46	8	5	-	-	7-8	9+	2500
18	Malin Head	17.8	-10	W	4	c	41	75	35	8	9	-	-	9	9	1500
	Aldergrove	19.7	-8	SW'W	3	c	37	75	29	8	5	7	7	4-6	10	6000
19	Birr Castle	21.9	-4	NNE	1	c	38	65	28	8	5	1	-	4-6	7-8	2500
20	Valentia Obsy.	22.3	+2	SW'S	2	c	44	75	37	9	5	-	-	9+	9+	1500
	Roches Point	22.4	+2	N	2	c	40	65	30	8	5	-	S	2-3	7-8	4000

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)	°F. 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)
London (Kew)	20.2	+8	WNW	2	m	33	55	23	4	5	-	6	1	4-6	2500	1	*
Croydon	20.3	+8	NW	2	bef+	31	75	21	3	5	3	-	2-3	4-6	2000	1	*
S. Farnborough	20.5	+6	-	0	zo	33	75	28	6	-	5	9	0	9+	-	3	*
Boscombe Down	21.0	+4	NNW	1	zo	31	92	30	5	-	-	7	0	9+	-	1	*
Thorney Island	20.6	+6	NW	1	c	33	75	27	6	-	3	8	0	9+	-	1	*
Lympne	20.6	+6	-	0	zo	30	92	29	5	-	-	2	0	7-8	-	1	§2
Manston	19.9	+8	NW'N	2	zo	29	85	26	5	-	7	2	0	9+	-	4	*
Shoeburyness	19.9	+2	SSW	1	c	31	75	25	6	-	7	7	0	10	-	3	*
Felixstowe	19.1	+4	W'S	1	zo	31	75	25	5	-	-	6	0	7-8	-	4	1
Gorleston	18.2	-2	W	2	zo	31	85	28	6	5	-	-	7-8	7-8	1500	7	3
Mildenhall	18.8	+2	SW'W	3	zo	30	75	25	5	-	7	-	0	7-8	-	8	*
Cranwell	18.1	+2	W	3	m	31	97	30	4	-	7	6	0	9	-	4	*
Birmingham	19.7	0	WSW	2	zo	32	65	23	5	-	7	-	0	9+	-	4	*
Upper Heyford	19.7	+2	WSW	2	zo	32	85	28	6	-	7	-	0	4-6	-	3	*
Ross-on-Wye	20.0	-6	WSW	1	c	33	75	27	8	-	7	2	0	7-8	-	1	*
Hartland Point	20.4	-4	NNE	2	c	37	65	25	8	5	4	5	4-6	9+	2000	1	3
Bristol	20.7	+4	SSW	3	c	33	75	26	7	-	7	7	0	9+	-	1	*
Portland Bill	20.0	+2	NW	3	c	35	85	32	8	5	-	-	10	10	2500	1	3
Plymouth	21.5	+2	NNW	2	zo	38	85	34	6	5	-	-	10	10	5700	1	2
The Lizard	20.8	0	-	0	c	39	65	29	8	8	6	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	21.0	0	SW	1	c	43	65	33	8	5	6	-	4-6	9	1500	0	3
Guernsey																	
Pembroke	20.4	-10	SW	3	c	39	65	26	8	8	6	-	7-8	10	2500	1	2
Holyhead	18.7	-10	W'S	4	c	38	75	28	9	5	7	-	1	10	3000	1	2
Chester (Sealand)	18.8	+2	W	3	zo	37	55	25	6	5	7	8	1	9	3000	1	*
Manchester	18.5	-2	SW	3	zo	34	85	29	5	5	7	-	4-6	7-8	3500	3	*
Spurn Head	16.7	0	W	4	zo	34	97	34	5	5	4	2	2-3	4-6	2500	3	3
Catterick	15.5	-12	W	3	c	35	75	29	7	-	7	2	0	9	-	8	*
Tynemouth	14.3	-4	W	4	c	36	75	30	6	5	4	-	4-6	7-8	2000	1	3
St. Abbs Head	10.4	-2	W	6	cq	38	85	33	8	4	4	-	4-6	10	2500	4	3
Leuchars	09.6	-14	W	5	zo	38	75	32	6	5	2	-	4-6	10	4000	3	*
Renfrew (Abbots I.)	13.0	-14	W'S	4	c	40	85	35	8	5	1	-	7-8	10	1800	1	*
Eskdalemuir	13.2	-16	WSW	5	c	34	85	29	8	5	1	-	4-6	9	3000	9	*
Point of Ayre	16.5	-8	W'N	5	c	39	75	31	8	5	1	-	4-6	9+	4000	0	4
Tiree	12.2	-12	WNW	3	c	44	92	42	8	5	-	-	9+	9+	1800	0	4
Stornoway	06.8	-14	W	5	c	43	85	29	8	5	7	-	7-8	10	2000	1	3
Dalwhinnie	10.8	-12	W	4	o	35	85	32	7	5	2	-	9	10	2500	6	*
Aberdeen	05.7	-30	WNW	5	c	40	65	30	8	-	7	-	0	9+	-	4	3
Wick	04.6	-14	WSW	4	rr	38	97	37	6	5	2	-	7-8	10	1000	1	*
Sumburgh	99.5	-20	W	4	roro	42	86	36	6	6	-	-	10	10	800	6	4
Blacksod Point	17.7	-12	W'S	4	iro	46	92	44	8	6	-	-	9+	9+	1500	1	3
Malin Head	14.4	-20	SW	5	c	42	85	38	7	8	-	-	9	9	2500	0	4
Aldergrove	17.2	-12	SW	4	c	36	86	32	8	5	7	-	9	10	3000	1	*
Birr Castle	19.8	-12	SSE	2	c	37	75	31	8	5	1	-	7-8	9+	2500	1	*
Valentia Obsy.	21.4	-2	SSE	3	c	44	85	40	8	5	7	-	7-8	9	2500	1	1
Roches Point	21.4	-6	N'E	2	bc	38	75	32	8	5	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 11th (39)	13h.—18h. 11th (40)	18h 11th to 1h. 12th (41)	1h.—7h. 12th (42)
London (Kew)	mb,czo⊕	obemy	bymx	bcxciso
Croydon	cmbfcz	czof	bfbcmx	bczoczo
S. Farnborough	b,cmoc	cyzo	czombbcfx	bcmxcmz
Boscombe Down	becbcmo	ccmo	bcmo	bbc
Thorney Island	bmocmob	ccmo	cmob,cmo	cmox
Lympne	bebccmo	cmo	cbmfx	bmozobcx
Manston	bbecmo	cmo zmo	bczomox	bccmox
Shoeburyness	bcrocmoc	ccmo	*	bcmocmo
Felixstowe	bcmocmoc	czobczo	bczocmo	cmo
Gorleston	bccze	bccze	czo	cmomox
Mildenhall	cbm.cmo	cmo	cmobcmo	bcmocmo
Cranwell	cmo	cmom	bm,cmo	cmoiromo
Birmingham	bfbcz	bccz	cbz	b,cm
Upper Heyford	bbmocmo	cmobcc	bcmo	cbccmo
Ross-on-Wye	bcc	c	cbc	c
Hartland Point	bcc	c	cbcy	bccir
Bristol	bfmczo	czoc	bzobmo	c
Portland Bill	c	c	bcc	c
Plymouth	cmocv	ccmo	cmbcmo	bmo,cmo
The Lizard	bcy	bcc	cbc	bc
Scilly (St. Mary's)	c	c	cbc	cb
Guernsey				
Pembroke	c	c	bcc	cprq
Holyhead	bxbcc	cvyc	idororo	c
Chester (Sealand)	b,czoc	cm	cbczoc	czo
Manchester	cm	czomo	cmo	cidomo
Spurn Head	c	bcmo	bcmo	c
Catterick	cb	c	bczo	ciroc
Tynemouth	cmoc	c	cbcc	coq
St. Abbs Head	c	cq	cq	cq
Leuchars	cxcmo	cmoccmo	mocciro	ircmo
Renfrew (Abbots I.)	cmoc	c	cmoiroc	pRiromo
Eskdalemuir	cbcc	c	roir	ciriro
Point of Ayre	cposc	c	roroc	ciro
Tiree	csh	edirc	ciro	c
Stornoway	cpr	cpr	cpr	cpr
Dalwhinnie	oco	oirso	*	orrco
Aberdeen	c	c	ciroc	c
Wick	crorrmo	rrRmorr	cmoroc	cprciro
Sumburgh	so ciro	iroxroro	cmororo	roPRrrrs
Blacksod Point	c	r	bc	c
Malin Head	c	c	c	c
Aldergrove	c	c	c	idomoc
Birr Castle	bc	bc	**	bc
Valentia Obsy.	bc	pr	pr	pr
Roches Point	bc	bc	b	bc

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

Districts:
1 S.E. England
2 E. England ▲
3 E. Midlands
4 W. Midlands
5 S.W. England
6 South Wales ▲
7 North Wales ▲
8 N.W. England ▲
9 N. Midlands
10 N.E. England ▲
11 S.E. Scotland ▲
12 S.W. Scotland & Isle of Man ▲

Fresh west wind, strong on coasts, veering northwest to north. Cloudy at first with local rain and clear intervals later, with snow showers locally, more particularly near coasts. Becoming very cold with frost day and night.

13A W. Scotland ▲
13B N.W. Scotland ▲
14 Mid Scotland
15 N.E. Scotland ▲

Wind northwest to north fresh or strong, gale on coasts. Cloudy; heavy snow showers. Very cold; frost day and night.

16 Orkneys and Shetlands ▲

As 13A – 15.

17 N. W. Ireland
18 N. E. Ireland ▲
19 S. E. Ireland ▲
20 S. W. Ireland

Moderate west wind, veering northwest or north, fresh locally on coasts. Cloudy at first with local rain. Clear intervals and wintry showers later. Becoming cold with day and night frost.

GENERAL INFERENCE

A depression northeast of Shetland is moving southeast and an associated trough over North Scotland is moving south. Very cold northerly winds will spread south over the British Isles, giving snow showers in many areas. Appreciable snowfall is likely in North Scotland and locally near East and West coasts.

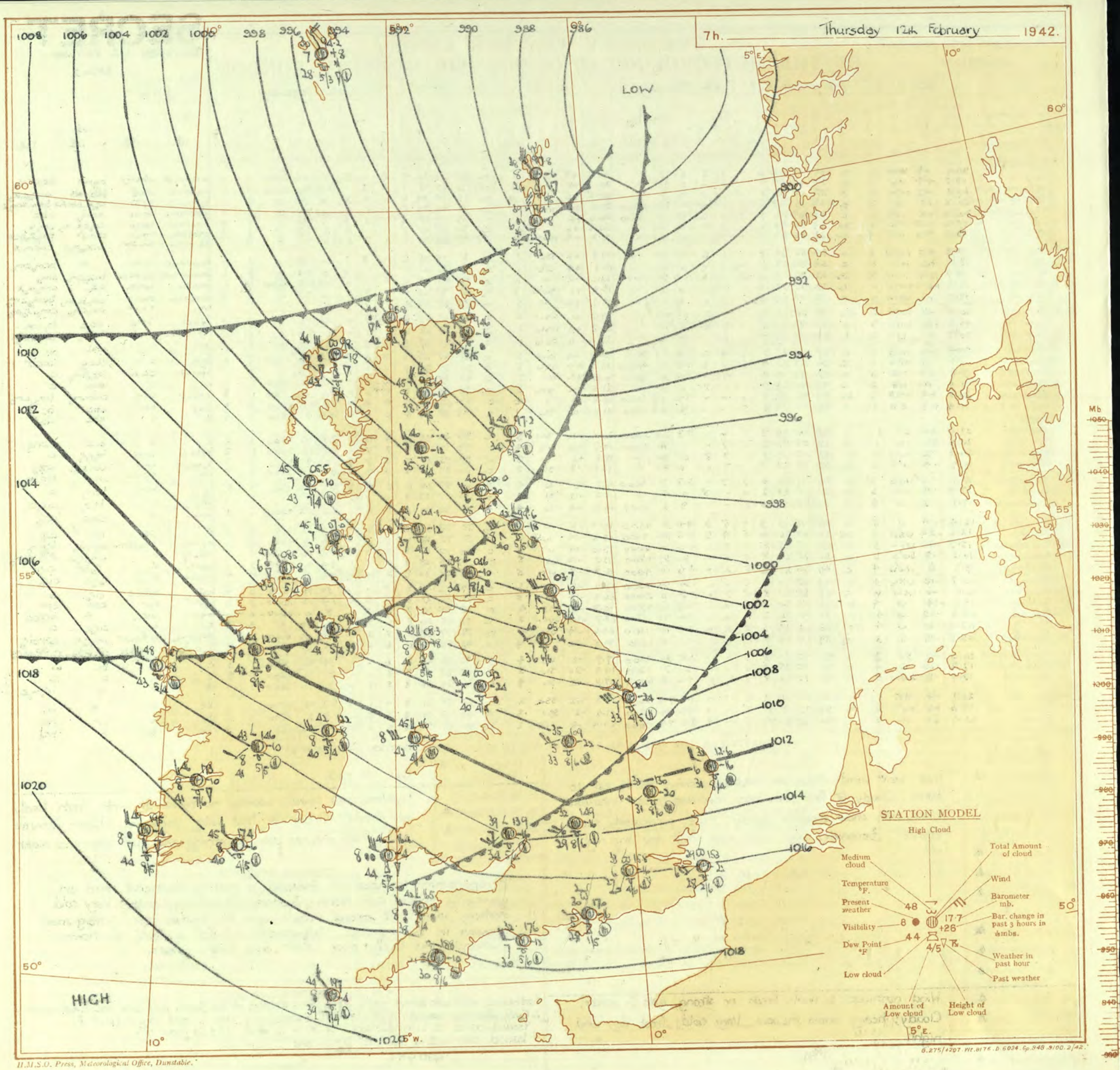
FURTHER OUTLOOK

Continuing cold with severe night frost. Snow showers in the North and near the East coast.

▲ Gale warning issued 0715 11.2. in districts 13A, 13B, 16 and 15 & 18 (part of).
Issued 0220 12.2. in districts 7, 8, 10, 11, 12 and 15 & 18 (part of).
Issued 1030 12.2. in districts 6, 19, and 2 (part of).

Forecasts issued at 1030 G.M.T.

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



H.M.S.O. Press, Meteorological Office, 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).

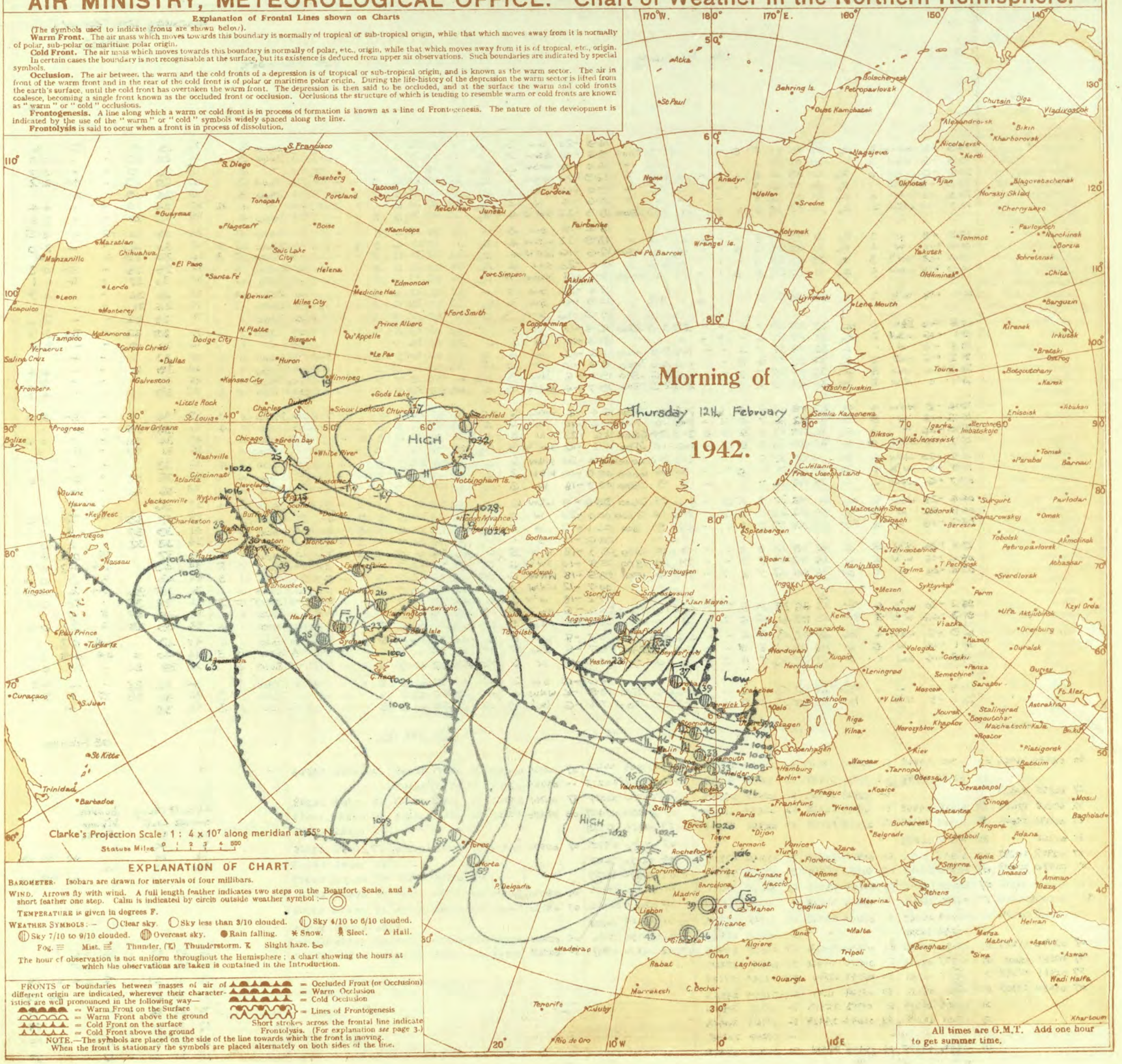
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 12th February 1942

No. 22302.

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)	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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon ...	217	19·3	-8	SW'W	2	Z_0	29	75	22	5	5	-	-	2-3	2-3	3000
	S. Farnborough	226	19·5	-6	WSW	2	m	27	85	25	4	-	-	5	0	4-6	-
	Boscombe Down	417	20·2	-6	-	0	Z_0	26	85	24	5	-	7	-	0	4-6	-
	Thorney Island	10	20·3	-4	NW	1	Z_0	26	97	26	5	-	-	6	0	9	-
	Lympne ...	346	20·4	-6	-	0	Z_0	24	97	24	5	-	-	-	0	0	-
	Manston ...	154	18·7	-10	WSW	2	Z_0	28	85	25	6	5	7	-	1	4-6	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	17·9	-8	W	3	Z_0	31	75	25	5	-	-	8	0	7-8	-
	Gorleston ...	5	16·4	-10	W	4	Z_0	30	92	29	6	5	-	-	10	10	1500
	Mildenhall ...	19	17·0	-12	SW'S	3	Z_0	29	85	25	5	-	1	-	0	4-6	-
	Cranwell ...	240	14·9	-18	WSW	4	Z_0	31	92	29	5	5	1	-	2-3	10	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·1	-14	W'S	2	Z_0	27	85	23	6	-	-	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·5	-10	SSW	3	bc	37	55	23	7	5	-	-	2-3	2-3	2500
	Bristol ...	209	19·1	-16	WSW	2	Z_0	31	85	27	6	-	7	-	0	1	-
	Portland Bill ...	32	19·8	-2	N	1	c	35	85	32	7	4	-	-	7-8	7-8	4000
	Plymouth ...	82	21·2	-6	SSE	2	Z_0	32	97	31	6	5	-	-	4-6	4-6	3000
	The Lizard ...	240	20·8	-4	NW	3	bc	39	85	35	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	21·1	0	N'W	2	bc	40	85	35	8	5	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	19·4	-8	WNW	4	c	42	75	34	8	8	1	-	7-8	10	2500
7	Holyhead ...	26	15·6	-18	W	5	c/r	41	92	36	7	5	2	-	7-8	10	1700
	Chester (Sealand)	16	15·0	-24	-	0	Z_0	36	65	27	6	5	7	8	2-3	9+	6500
8	Manchester ...	235	16·2	-10	SSW	4	c	32	85	28	6	5	7	-	4-6	10	2700
10	Spurn Head ...	29	12·9	-20	WSW	4	bc	33	97	33	6	1	-	-	2-3	2-3	4000
	Catterick ...	175	10·9	-14	W'S	4	c	37	85	33	7	5	-	-	9+	9+	6000
	Tynemouth ...	108	09·7	-16	WNW	6	c	38	85	34	7	2	-	-	9	9	2500
11	St. Abbs Head	280	04·4	-28	WSW	8	cq	41	85	37	7	5	2	-	4-6	9+	2500
	Leuchars ...	36	04·9	-26	W	5	ir_0	38	92	36	6	5	7	-	7-8	10	2200
12	Renfrew (Abbots I.)	19	08·2	-18	W	4	c/r	43	85	39	7	2	1	-	4-6	9	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	12·8	-24	W'W	5	c	41	85	37	8	8	1	-	9	10	1500
13A	Tiree	22	08·6	-16	W'N	4	c	45	92	43	7	5	-	-	9+	9+	1800
13B	Stornoway ...	80	02·4	-28	W	5	pr	45	85	42	7	8	7	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Wick ...	119	98·2	-30	W'S	4	c/r	42	85	38	7	5	2	-	4-6	10	2500
16	Sumburgh ..	30	01·3	-46	W'N	5	c/r	43	92	41	6	5	2	-	9	10	1000
17	Blacksod Point	18	16·9	-2	WNW	4	bc	47	85	43	8	4	-	-	4-6	4-6	2500
18	Malin Head ...	84	11·1	-14	W	5	pr	46	85	42	8	9	-	-	7-8	7-8	2500
	Aldergrove ...	268	13·8	-14	SW	1	c	37	97	36	7	-	2	-	0	10	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·8	-2	-	0	bc/pr	45	92	43	8	2	-	-	4-6	4-6	2500
	Roches Point	22	20·1	-8	N'E	1	bc	36	85	32	8	5	-	-	2-3	2-3	2500

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)	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)	14·9	-20	SW	3	is_0	31	85	26	5	5	2	-	9	10	2500	3	*
	Croydon ...	15·8	-16	SSW	3	c	33	75	27	6	5	7	-	4-6	10	3000	3	*
	S. Farnborough	16·0	-16	WSW	3	s_0s_0	33	75	27	5	-	2	-	0	10	-	3	*
	Boscombe Down	16·9	-20	WSW	2	Z_0	32	85	28	6	5	-	-	9+	9+	3000	3	*
	Thorney Island	17·0	-16	W	1	Z_0	30	92	28	5	2	3	7	Tr	10	2500	3	*
	Lympne ...	17·6	-14	W	2	Z_0	28	85	23	6	-	7	2	0	4-6	-	4	4
	Manston ...	15·3	-22	SW'W	4	Z_0	29	92	28	6	5	7	-	1	9+	3000	4	*
2	Shoeburyness ...	15·4	-18	SW	3	c	31	75	25	4	5	-	-	9+	9+	3500	3	*
	Felixstowe ...	13·9	-22	WSW	4	Z_0	31	75	25	6	5	3	-	4-6	10	5200	3	3
	Gorleston ...	12·6	-16	WNW	4	Z_0	32	92	31	6	5	-	-	10	10	1500	5	3
	Mildenhall ...	13·0	-20	SW	4	Z_0	33	92	31	6	5	-	-	10	10	4000	8	*
	Cranwell ...	10·7	-18	WSW	5	ir_0	34	92	33	6	5	-	-	10	10	1800	6	*
3	Birmingham ...	12·4	-26	SW	3	m	34	92	32	4	5	-	-	10	10	2500	4	*
	Upper Heyford	14·9	-16	SW	4	Z_0	32	85	29	6	5	-	-	10	10	5000	3	*
4	Ross-on-Wye	13·9	-16	SW	3	c	39	85	34	7	5	1	-	7-8	10	2000	1	*
5	Hartland Point	16·5	-12	W	3	ir	42	85	38	8	5	2	-	7-8	9+	1500	1	3
	Bristol ...	15·4	-18	W	4	c	39	85	34	7	-	7	-	0	9+	-	1	*
	Portland Bill ...	17·6	-12	W	4	c	42	92	40	7	5	-	-	7-8	7-8	4000	1	4
	Plymouth ...	18·8	-10	-	0	of+	32	92	30	3	5	-	-	10	10	4000	1	2
	The Lizard ...	19·1	-8	NW	3	bc	41	92	39	7	8	-	-	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	19·7	-4	NW'N	3	c	44	85	39	8	5	-	-	9+	9+	1500	0	3
	Guernsey ...																	
6	Pembroke ...	16·4	-4	WNW	6	r_0r_0	46	92	44	8	8	1	-	7-8	10	2500	1	3
7	Holyhead ...	11·6	-10	W	6	c	45	85	42	8	5	2	-	4-6	10	1800	1	4
	Chester (Sealand)	10·6	-22	W	3	Z_0	43	75	36	6	5	2	-	9	10	2600	0	*
8	Manchester ...	11·2	-16	SW'W	3	id_0	37	92	35	5	5	-	-	10	10	1500	1	*
10	Spurn Head ...	08·4	-24	WSW	6	c	36	92	33	7	5	4	-	4-6	9+	2500	3	4
	Catterick ...	05·9	-14	WSW	2	c	40	85	36	7	5	-	-	9	9	3800	4	*
	Tynemouth ...	03·7	-18	W	6	cq	42	85	37	7	8	-	-	10	10	1500	1	4
11	St. Abbs Head	99·6	-18	WSW	6	cq	42	92	40	8	5	2	-	7-8	10	2500	4	4
	Leuchars ...	00·0	-20	W	5	Z_0	40	85	35	6	5	7	-	4-6	9	2000	1	*
12	Renfrew (Abbots I.)	04·1	-12	W	5	ir_0	44	75	37	6	5	4	-	4-6	7-8	1600	1	*
	Eskdalemuir ...	04·6	-10	S	1	ir_0	39	85	34	7	-	2	-	10	10	1200	6	*
	Point of Ayre ...	08·3	-18	W'N	5	c	43	92	41	8	8	2	-	7-8	10	2000	1	4
13A	Tiree	05·5	-10	NW'W	6	c	45	92	43	7	5	-	-	9+	9+	1800	0	5
13B	Stornoway ...	98·5	-18	WNW	6	pr	44	92	42	7	8	7	-	7-8	9+	1500	1	3
15	Dalwhinnie ...	00·7	-12	WNW	3	0	40	75	38	7	5	-	-	10	10	1500	4	*
	Aberdeen ...	97·2	-18	W'N	3	c	42	75	34	8	5	-	-	7-8	7-8	2500	4	3
	Wick ...	94·6	-6	NW'W	5	ir_0	41	85	36	7	5	7	-	7-8	10	2800	1	*
16	Sumburgh ..	90·1	+8	NNW	5	rs	39	85	34	6	9	-	-	10	10	1000	1	4
17	Blacksod Point	14·7	-8	W'N	5	c	48	85	44	7	5	-	-	7-8	7-8	1500	1	4
18	Malin Head ...	08·5	-8	NW	5	pr	47	75	40	6	6	-	-	7-8	7-8	1500	0	5
	Aldergrove ...	09·8	-10	W	4	c/d	43	92	41	7	5	-	-	7-8	7-8	2000	1	*
19	Birr Castle ...	14·6	-10	SW	2	c	43	92	41	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	19·8	-4	WNW	4	pr	49	85	45	8	8	-	-	10	10	2500	1	3
	Roches Point	17·4	-6	NW'W	3	bc	45	85	41	8	5	-	-	4-6	4-6	2500	1	3

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 18h Hrs. (38)
1	London (Kew)	36	29	19	-	Tr	1·6
	Croydon ...	36	28	23	-	-	0·5
	S. Farnborough	38	26	19	-	-	3·7
	Boscombe Down	35	25	19	-	Tr	2·2
	Thorney Island	39	24	19	-	Tr	*
	Lympne ...	35	23	19	-	-	4·4
	Manston ...	34	26	21	-	-	2·8
2	Shoeburyness ...	36	28	21	Tr	-	2·5
	Felixstowe ...	35	30	26	-	-	3·0
	Gorleston ...	36	29	29	2	-	*
	Mildenhall ...	33	28	23	-	Tr	0·3
	Cranwell ...	35	30	27	-	Tr	1·1
3	Birmingham ...	35	28	26	-	-	0·7
	Upper Heyford	35	26	21	-	-	*
4	Ross-on-Wye	36	29	22	-	-	2·0
5	Hartland Point	39	35	32	-	Tr	2·9
	Bristol ...	36	28	19	-	-	2·4
	Portland Bill ...	45	33	*	-	-	*
	Plymouth ...	42	29	21	-	-	4·4
	The Lizard ...	45	37	*	-	-	5·2
	Scilly (St. Mary's)	47	39	*	-	-	4·8
	Guernsey ...						
6	Pembroke ...	39	36	*	-	Tr	0.0
7	Holyhead ...	41	(38)	35	-	0·1	*
	Chester (Sealand)	37	34	28	-	-	0·0
8	Manchester ...	35	31	27	-	Tr	*
10	Spurn Head ...	35	33	*	-	-	1·3
	Catterick ...	38	33	32	-	0·1	3·0
	Tynemouth ...	38	36	32	-	-	*
11	St. Abbs Head	39	36	*	-	-	*
	Leuchars ...	39	37	33	-	Tr	0·0
12	Renfrew (Abbots I.)	41	39	37	-	3	0·0
	Eskdalemuir ...	34	33	32	-	2	0·1
	Point of Ayre ...	40	37	*	Tr	0·2	0·0
13A	Tiree	44	43	*	0·4	0·2	0·0
13B	Stornoway ...	44	43	*	2	3	0·0
15	Dalwhinnie ...	36	35	30	0·4	4	0·0
	Aberdeen ...	41	38	35	-	Tr	0·0
	Wick ...	39	38	37	5	5	*
16	Sumburgh ..	42	39	35	2	2	0·0
17	Blacksod Point	47	43	*	0·4	0·2	*
18	Malin Head ...	42	40	*	0·4	0·5	0·0
	Aldergrove ...	38	35	34	-	Tr	0·0
19	Birr Castle ...	40	36	34	-	-	2·3
20	Valentia Obsy.	45	41	35	Tr	1	2·4
	Roches Point	42	35	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th Feb			18h. G.M.T.			01h. G.M.T. 12th Feb.			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 52	02844	26466	52	61745	24568	5-	62748	58668	52	61745	59568
115			62	82735	91788	62	81735	91788	52	81735	91788
203 57	02835	24628				6-	02828	24569	6-	02828	24588
206 52	68865	57678	52	61855	24668	5-	61748	22468	52	02854	61468
210 57	02973	55628	57	02864	54628	5-	22858	53568	57	02855	56668
220 8-	02855		82	25645	26588						
230 87	02857	20387	57	61845	22478	52	02846	53568	81	02846	57788
245 07	02890	22528	07	02890	24528	02	01790	25214	5-	02757	98742
260 09	05690	21315	57	05664	23315	58	05664	23514	57	51665	23515
278 57	61867	24488	57	02855	21468	5-	02858	21428	5-	64748	61568
279 57	02863	20328	57	05654	22467	5-	05648	53428	52	21745	55558
285			27	03744	32528				5-	03628	28628
288 07	02790	22225	07	05690	20228	02	05690	19428	57	05675	24427
575 57	02867	22428	57	21857	22358	5-	21756	24466	8-	61758	25568
301 57	02861	27347	51	01854	26325	5-	05648	57568	57	02744	57568
321 07	05590	28227	57	05551	23215	57	05564	21318	52	61544	24268
299			50	05664	22314	5-	01753	22313	5-	01755	24415
292			59	05651	22315	57	05644	24428	5-	61768	20428
310									--	59209	20349
614			07	08490	24277	04	08490	35428	5-	05568	22328

13h. G.M.T. 11th Feb.			18h. G.M.T.			01h. G.M.T. 12th Feb.			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 57	02864	26128	57	02864	00028	52	52655	20468	52	02866	24568
334 --	02764	30215	--	02764	28316	--	63447	26368			
340 00	02790	26217	57	02861	22927	5-	02768	22428	52	02763	56328
1360 7	05590	27427	00	08490	22226	01	05690	22418	5-	05648	21478
336 57	02754	32328							62	62526	28468
350 07	05690	24225	07	05590	22314	07	05590	19314	57	05665	53418
368 04	02790	32117							52	61646	24468
379 04	02890	30227				03	02790	24315	07	05690	20327
390 01	05590	27328	01	08490	25226	00	47390	23114	57	08463	22326
382 07	05690	00026	07	02790	24126	07	05590	21214	57	05656	23328
438 51	02654	02227							50	01754	22314
430 00	02790	32116	05	05590	32127	00	05590	28217	07	08490	00027
409 03	02890	04117	5-	02767	06227	00	00790	14200	5-	02767	23327

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

§ Sea disturbance reported from Dungeness.

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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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	mb,oz_0⊕	cbcmy	bymxcis$_0$	
Croydon ...	cmbscz	cz_0f	bfbcmx	
Greenwich ...	bc	c	cfbcas$_0$	Kew 24 hours ended 7h. Max. Time
Camden Square	b	bc	*	0·7 18h 11th
Kensington ...	bc	bc	*	Min. Time
Hampstead ...	bcx	os	o	0·1 0-5h 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	36	29	19	-	Tr	1·6	*	*
Croydon ...	36	28	23	-	-	0·5	*	*
Greenwich ...	36	27	29	-	Tr	0·4	61	79
Westminster ..	37	29	27	-			60	92
Regents Park ...	36	28	22	-	-		75	79
Camden Square	37	28	21	-	-	*	*	78
Kensington ..	37	23	21	-	Tr		61	79
Hampstead ...	35	25	21	-	Tr		*	97

BRITISH SECTION

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

SECRET

Friday 13th February 1942

No. 29303

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)	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)	11.6	-22	SWN	3	[illegible]	42	75	36	6	5	1	-	9	9+	1500
	Croydon ...	12.5	-24	SW	3	[illegible]	43	85	38	6	5	7	-	2-3	10	2200
	S. Farnborough	13.3	-22	W'S	4	c	43	83	39	7	1	3	8	7-8	9+	1600
	Boscombe Down	14.3	-10	W'S	4	[illegible]	41	82	39	7	5	7	-	7-8	10	1600
	Thorney Island	14.5	-20	WSW	4	[illegible]	45	85	38	6	5	8	2	7-8	9	2500
	Lympne ...	13.7	-26	SW	3	[illegible]	41	85	36	7	5	7	-	4-6	10	1100
	Manston ...	11.6	-26	SW'W	6	[illegible]	40	85	34	6	5	7	-	4-6	9+	2500
2	Shoeburyness ...	12.1	-20	WSW	4	c	42	75	35	6	-	7	-	0	9+	-
	Felixstowe ...	10.1	-28	WSW	4	[illegible]	40	75	33	5	5	7	-	7-8	9+	5700
	Gorleston ...	08.8	-32	W'N	4	[illegible]	40	75	34	6	5	-	-	9+	9+	1500
	Mildenhall ...	09.1	-22	WSW	5	[illegible]	40	92	37	6	5	7	-	4-6	10	5000
	Cranwell ...	08.0	-10	WSW	5	[illegible]	38	92	37	6	5	-	-	10	10	1500
3	Birmingham ...	10.1	-10	WSW	3	[illegible]	43	92	41	7	6	-	-	10	10	800
	Upper Heyford	12.4	-18	WSW	4	c/r	40	97	38	6	5	2	-	4-6	10	800
4	Ross-on-Wye	11.0	-14	W	4	c	46	75	39	8	6	1	-	0	10	2000
5	Hartland Point	15.8	-6	WNW	3	c	46	85	43	8	5	-	-	9+	9+	2000
	Bristol ...	13.7	-10	W	4	[illegible]	45	92	43	8	5	2	-	7-8	10	3000
	Portland Bill ...	17.0	-4	W	4	c	43	92	41	7	4	7	-	7-8	10	2500
	Plymouth ...	17.6	-6	NW	5	[illegible]	49	85	46	7	7	1	-	9+	10	2000
	The Lizard ...	18.0	0	WNW	3	c	50	75	43	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	19.3	-2	NW	4	c	50	85	43	8	8	7	-	4-6	9	1200
	Guernsey ...															
6	Pembroke ...	15.2	-6	W'N	5	cq	46	85	43	8	8	6	-	7-8	10	2500
7	Holyhead ...	11.1	-2	W'N	6	c	47	85	44	8	5	7	-	9	10	2000
	Chester (Sealand)	08.1	-8	W	5	c/r	48	75	40	7	5	2	-	9	10	3000
8	Manchester ...	08.1	-14	W	4	c/pr	44	85	39	6	2	7	-	7-8	10	2000
10	Spurn Head ...	08.3	-4	W'S	4	[illegible]	40	92	39	6	5	-	-	10	10	2500
	Catterick ...	08.8	-10	W'S	4	c	40	75	36	8	5	2	-	4-6	10	2500
	Tynemouth ...	01.8	-8	W	5	c	43	86	38	7	5	-	-	0	0	1800
11	St. Abbs Head	99.3	+2	WSW	6	cq	44	85	39	7	4	7	-	4-6	10	2500
	Leuchars ...	01.1	-2	W	4	c	44	75	37	9	5	2	-	9	10	2500
12	Renfrew (Abbots I.)	02.5	-8	W'N	5	c/pr	47	75	41	8	8	-	7	4-6	10	1600
	Eskdalemuir ...	02.4	-8	W'N	6	ir	39	85	34	7	6	1	-	7-8	9+	1200
	Point of Ayre...	07.7	-2	W'N	5	c	46	85	42	8	8	-	5	9	9+	2000
13A	Tiree	04.8	0	NNW	4	c/pr	45	97	44	7	8	-	-	9+	9+	1500
13B	Stornoway ...	02.3	+14	NW	5	c	41	65	32	8	8	7	7	4-6	10	1500
15	Dalwhinnie ...	01.0	+2	NW	4	c	39	75	23	8	8	1	-	4-6	9+	2500
	Aberdeen ...	97.6	+4	NW'W	3	ir	39	75	32	6	9	-	8	7-8	9+	1200
	Wick ...	97.0	+10	NW	6	c/p	38	65	28	8	2	3	-	4-6	9	2500
16	Sumburgh ...	92.0	+6	NW'N	7	c/pr	36	65	25	7	8	-	-	9	9	1200
17	Blacksod Point	15.1	0	W'N	5	c	50	85	46	8	5	-	-	9	9	2500
18	Malin Head ...	07.6	-4	NW	5	c	47	75	40	8	4	8	-	4-6	7-8	4000
	Aldergrove ...	08.4	0	W'N	4	c/pr	46	75	39	8	8	6	7	2-3	9+	2500
19	Birr Castle ...	14.5	-2	W	3	c/pr	48	75	42	8	3	7	-	2-3	9	1500
20	Valentia Obsy.	18.7	0	WNW	5	bc	51	85	46	8	2	-	-	4-6	4-6	1500
	Roches Point	17.5	-6	W'N	4	bc	50	75	43	8	2	-	5	2-3	4-6	2500

OBSERVATIONS at 18h. 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)	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)	10.2	-6	WSW	3	[illegible]	43	85	39	5	5	2	-	2-3	10	4000	1	*
	Croydon ...	10.8	-6	SW	4	[illegible]	43	85	39	6	5	7	-	2-3	10	2500	1	*
	S. Farnborough	10.9	-6	W'S	4	[illegible]	43	85	40	7	5	7	-	7-8	10	3500		*
	Boscombe Down	12.7	-10	W'N	5	c	44	85	41	8	5	-	-	10	10	2000	1	*
	Thorney Island	12.6	-10	W	4	[illegible]	45	85	42	6	5	7	-	7-8	9+	2500	1	*
	Lympne ...	11.8	-6	WSW	3	pR	41	92	39	6	5	-	-	10	10	2500	4	§+
	Manston ...	09.5	-6	W'S	5	[illegible]	40	85	37	6	5	7	-	2-3	10	2500	4	*
2	Shoeburyness ...	10.0	-4	WSW	3	[illegible]	42	85	38	4	5	7	-	2-3	10	2500	1	*
	Felixstowe ...	08.1	-8	W'S	4	[illegible]	41	75	34	6	5	7	-	0	10	3000	1	3
	Gorleston ...	06.6	-10	W'N	4	[illegible]	40	85	36	6	5	-	-	9+	9+	1500	1	3
	Mildenhall ...	07.5	+2	SW'W	5	[illegible]	41	92	39	6	5	1	-	0	10	2000	1	*
	Cranwell ...	06.8	+2	W	4	[illegible]	41	85	37	5	5	-	-	10	10	1800	6	*
3	Birmingham ...	08.0	0	SW	3	c	43	85	39	8	5	7	-	7-8	9+	1500	4	*
	Upper Heyford	09.4	-6	WSW	4	[illegible]	41	92	39	6	5	2	-	4-6	10	2000	1	*
4	Ross-on-Wye	10.6	-8	W	5	bcq	47	75	40	8	8	7	3	2-3	4-6	2500	1	*
5	Hartland Point	14.7	-2	WNW	4	c	46	85	43	8	5	4	-	4-6	9	2000	1	+
	Bristol ...	12.3	-2	W'S	4	c/pr	45	92	43	7	5	2	-	7-8	9+	1500	1	*
	Portland Bill ...	13.7	-4	W	4	c	46	85	43	8	4	7	-	4-6	10	4000	1	4
	Plymouth ...	16.4	-6	NW'W	5	[illegible]	47	92	45	6	5	4	8	0	9+	5700	1	3
	The Lizard ...	17.6	0	WNW	4	c	47	92	45	8	8	6	-	7-8	7-8	2000	1	3
	Scilly (St. Mary's)	18.6	0	NW'N	4	c	48	85	44	8	8	7	4	4-6	9	1500	1	3
	Guernsey ...																	
6	Pembroke ...	13.7	-4	W	6	cq	48	85	45	7	5	4	-	7-8	7-8	2500	1	4
7	Holyhead ...	09.6	-2	WNW	5	c	46	85	43	8	8	3	2	2-3	9	2500	1	4
	Chester (Sealand)	08.3	-2	W'N	5	cq	46	75	39	7	5	9	6	1	9	2000	1	*
8	Manchester ...	07.8	0	W	5	[illegible]	44	85	38	5	5	4	-	2-3	9	2000	1	*
10	Spurn Head ...	04.1	0	W'S	5	[illegible]	41	85	39	6	5	2	-	7-8	9+	2500	1	3
	Catterick ...	03.8	-2	W	4	c	43	75	36	8	5	9	-	2-3	10	1800	4	*
	Tynemouth ...	01.8	0	W	5	c	44	85	39	6	5	3	-	4-6	7-8	2300	1	3
11	St. Abbs Head	01.6	+24	WNW	5	cq	40	85	35	7	5	7	-	7-8	9+	1500	4	4
	Leuchars ...	02.0	+26	WNW	5	c	40	65	30	8	5	-	-	4-6	7-8	1500	1	*
12	Renfrew (Abbots I.)	05.2	+24	NW	4	bc	41	65	29	8	5	-	8	4-6	4-6	1200	1	*
	Eskdalemuir ...	03.2	+6	W	4	[illegible]	39	85	34	7	5	-	-	9+	9+	600	6	*
	Point of Ayre...	07.1	+6	NW	5	[illegible]	40	85	40	8	8	-	-	9+	9+	2000	1	3
13A	Tiree	07.1	+10	N'W	5	bc/pr	41	92	38	8	8	-	-	4-6	4-6	2100	0	5
13B	Stornoway ...	06.1	+16	NNW	5	c/pr	35	85	32	7	9	7	-	9	10	1000	1	3
15	Dalwhinnie ...	04.8	+16	N	4	c	34	75	27	7	5	1	-	7-8	9+	2500	4	*
	Aberdeen ...	99.9	+24	NNW	4	ps	34	85	30	7	8	-	-	4-6	4-6	1200	4	3
	Wick ...	99.9	+24	NW'W	8	bc/pr	32	85	27	8	3	-	-	2-3	2-3	1400	4	*
16	Sumburgh ...	93.2	+4	NW	8	c/pr	31	97	31	6	9	-	-	7-8	7-8	1000	7	6
17	Blacksod Point	15.0	+6	NW	5	c	47	85	43	8	5	-	-	10	10	1500	1	4
18	Malin Head ...	08.7	+10	NW'N	4	c/pr	45	85	41	7	6	7	-	4-6	7-8	1500	0	5
	Aldergrove ...	09.0	+2	WNW	3	pr	44	85	40	7	9	6	-	7-8	9+	1600	1	*
19	Birr Castle ...	13.7	0	NW	3	c/pr	48	85	44	8	3	7	-	2-3	9	1500	1	*
20	Valentia Obsy.	18.5	+2	NW'W	4	c	50	75	42	8	8	-	-	9	10	2500	1	4
	Roches Point	16.6	0	NW'N	5	bc	48	85	44	8	3	-	3	2-3	4-6	2500	1	4

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 12th	Weather 13h.—18h. 12th	Weather 18h.—1h. 12th to 13th	Weather 1h.—7h. 13th
1	London (Kew)	[illegible]	[illegible]	[illegible]	[illegible]
	Croydon ...	[illegible]	[illegible]	[illegible]	[illegible]
	S. Farnborough	[illegible]	[illegible]	[illegible]	[illegible]
	Boscombe Down	[illegible]	[illegible]	[illegible]	[illegible]
	Thorney Island	[illegible]	[illegible]	[illegible]	[illegible]
	Lympne ...	[illegible]	[illegible]	[illegible]	[illegible]
	Manston ...	[illegible]	[illegible]	[illegible]	[illegible]
2	Shoeburyness ...	[illegible]	[illegible]	*	[illegible]
	Felixstowe ...	[illegible]	[illegible]	[illegible]	[illegible]
	Gorleston ...	[illegible]	[illegible]	[illegible]	[illegible]
	Mildenhall ...	[illegible]	[illegible]	[illegible]	[illegible]
	Cranwell ...	[illegible]	[illegible]	[illegible]	[illegible]
3	Birmingham ...	[illegible]	[illegible]	[illegible]	[illegible]
	Upper Heyford	[illegible]	[illegible]	[illegible]	[illegible]
4	Ross-on-Wye	[illegible]	[illegible]	[illegible]	[illegible]
5	Hartland Point	[illegible]	c	c	[illegible]
	Bristol ...	[illegible]	[illegible]	[illegible]	[illegible]
	Portland Bill ...	[illegible]	c	c	[illegible]
	Plymouth ...	[illegible]	[illegible]	[illegible]	[illegible]
	The Lizard ...	[illegible]	[illegible]	[illegible]	[illegible]
	Scilly (St. Mary's)	[illegible]	c	[illegible]	[illegible]
	Guernsey ...				
6	Pembroke ...	[illegible]	[illegible]	[illegible]	[illegible]
7	Holyhead ...	[illegible]	[illegible]	[illegible]	[illegible]
	Chester (Sealand)	[illegible]	[illegible]	[illegible]	[illegible]
8	Manchester ...	[illegible]	[illegible]	[illegible]	[illegible]
10	Spurn Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Catterick ...	[illegible]	[illegible]	[illegible]	[illegible]
	Tynemouth ...	[illegible]	c	[illegible]	[illegible]
11	St. Abbs Head	[illegible]	[illegible]	[illegible]	[illegible]
	Leuchars ...	[illegible]	[illegible]	[illegible]	[illegible]
12	Renfrew (Abbots I.)	[illegible]	[illegible]	[illegible]	[illegible]
	Eskdalemuir ...	[illegible]	[illegible]	[illegible]	[illegible]
	Point of Ayre...	[illegible]	[illegible]	[illegible]	[illegible]
13A	Tiree	[illegible]	[illegible]	[illegible]	[illegible]
13B	Stornoway ...	[illegible]	[illegible]	[illegible]	[illegible]
15	Dalwhinnie ...	[illegible]	[illegible]	*	[illegible]
	Aberdeen ...	[illegible]	[illegible]	[illegible]	[illegible]
	Wick ...	[illegible]	[illegible]	[illegible]	[illegible]
16	Sumburgh ...	[illegible]	[illegible]	[illegible]	[illegible]
17	Blacksod Point	[illegible]	[illegible]	[illegible]	[illegible]
18	Malin Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Aldergrove ...	[illegible]	[illegible]	[illegible]	[illegible]
19	Birr Castle ...	[illegible]	[illegible]	*	[illegible]
20	Valentia Obsy.	[illegible]	[illegible]	[illegible]	[illegible]
	Roches Point	[illegible]	[illegible]	[illegible]	[illegible]

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

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 ... 10 N.E. England ▲ 11 S.E. Scotland ▲ 12 S.W. Scotland & Isle of Man	From northwest to north-northwest wind, strong locally on coasts. Mainly fair with considerable bright periods, but some scattered wintry showers, mainly in eastern and western coastal districts. Rather cold with frost at night in many places.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland ▲	Strong north-northwest to north winds, gale locally, becoming variable later. Occasional wintry showers, some more general snow or sleet towards end of period. Cold, with temperature persistently near freezing point.
16 Orkneys and Shetlands ▲	As 13A - 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northerly winds, becoming variable later. Fair apart from scattered showers at first; some general rain in the Northwest later. Rather cold.

GENERAL INFERENCE

A broad current of rather cold northwest to north winds covers the country. There will be occasional wintry showers in Scotland and scattered wintry showers elsewhere, mainly in eastern and western coastal districts, but considerable bright periods. A depression is developing in the neighbourhood of Iceland, which will move southeast and later bring more general precipitation into Scotland.

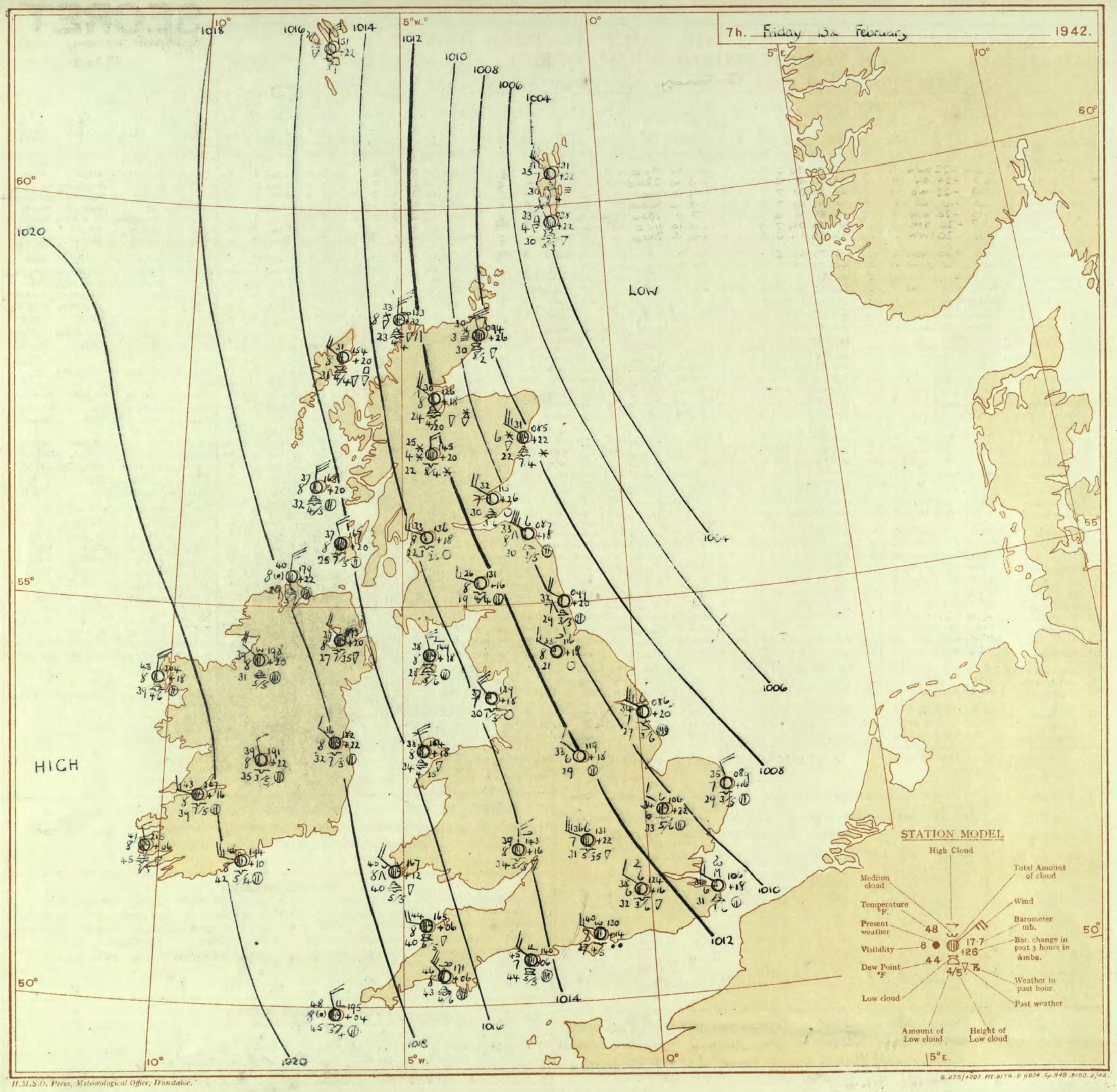
FURTHER OUTLOOK

Some general precipitation spreading southeastwards across the British Isles; probably rain in southern districts.

▲ Gale warnings still in operation in districts 10, 11, 15 & 16. Issued at 0715 11.2. in 16 & partly 15; at 0220 12.2. & in 10, 11 and part of 15.

Forecasts issued at 1030 G.M.T.

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



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

G.275/4207 Wt.8176. D.6034. 6p.948. 9100. 2/42.

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).

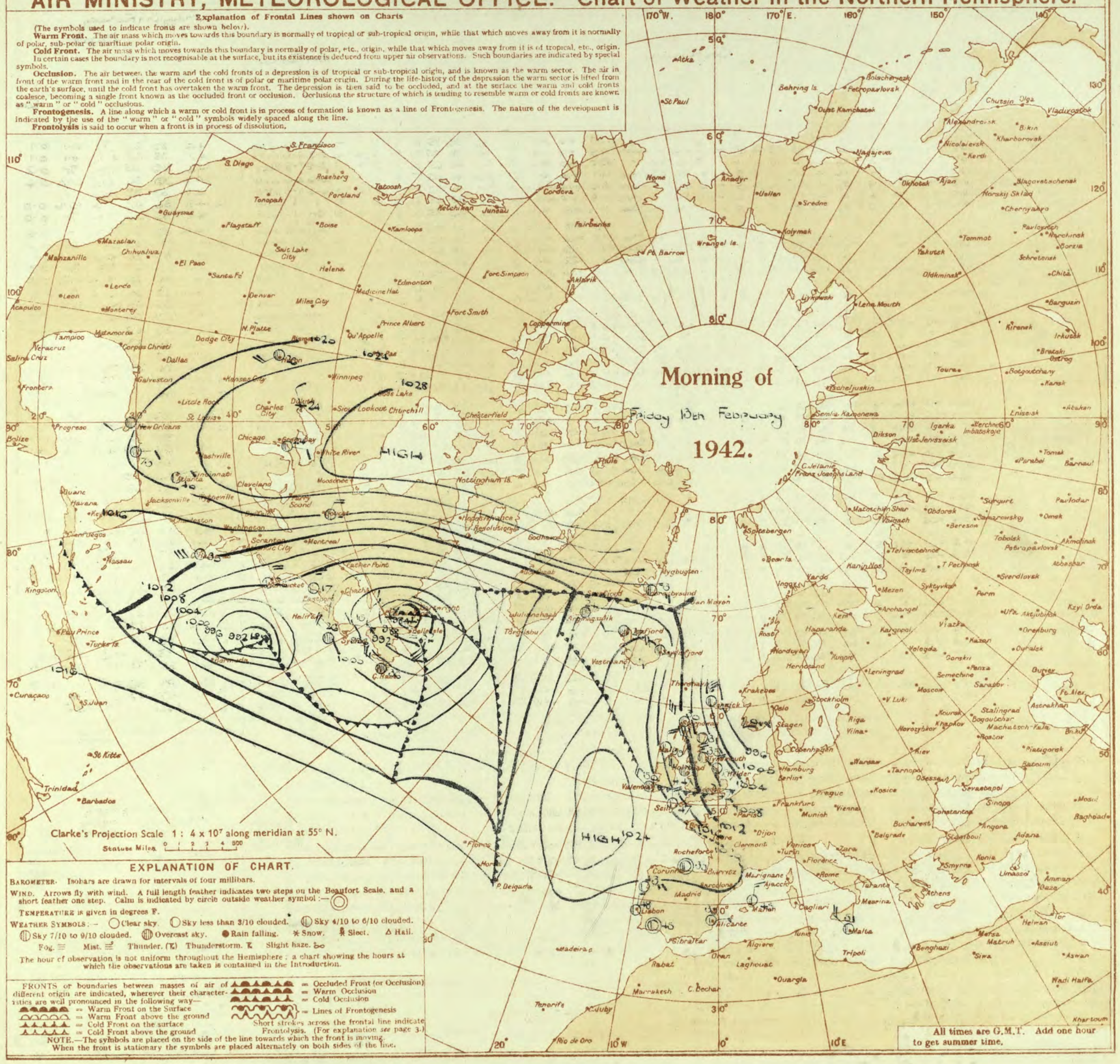
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Friday 13th February 1942

No. 29,303

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon	217	10.2	-2	WSW	2	c	42	85	38	6	5	-	-	4-6	10	4000
	S. Farnborough	226	10.7	0	W'S	3	z0	40	92	37	6	-	-	5	0	2-3	-
	Boscombe Down	417	12.2	+14	W'N	4	bc	42	92	40	7	5	7	-	Tr	2-3	4000
	Thorney Island	10	11.8	-2	W'N	4	z0	43	92	40	6	5	-	8	2-3	7-8	4000
	Lympne	346	10.8	-4	W	4	c	42	92	40	8	2	-	-	7-8	7-8	2500
	Manston	154	08.6	-4	W	5	z0	42	85	38	6	5	-	-	9+	9+	3400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	07.1	-2	W'N	5	z0	40	85	37	6	5	-	-	10	10	2700
	Gorleston	5	05.7	-8	W	4	bc/pr	39	75	32	6	5	-	-	2-3	2-3	1500
	Mildenhall	19	07.0	+2	W	5	z0	41	92	39	6	5	1	-	10	10	5200
	Cranwell	240	07.3	+10	NW'W	4	z0	40	75	33	6	5	-	-	2-3	2-3	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09.6	+2	W'N	4	bc	41	85	36	7	8	4	-	2-3	2-3	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15.6	+6	WNW	4	c	46	92	43	8	4	4	-	4-6	9	2500
	Bristol	209	12.3	0	W	5	z0	44	92	41	6	5	-	-	9+	9+	3800
	Portland Bill	32	14.2	+4	W	4	c	45	92	43	7	5	-	-	7-8	7-8	2500
	Plymouth	82	16.7	+2	WNW	5	c	47	92	45	7	5	-	-	9+	9+	3000
	The Lizard	240	18.3	+2	NW'W	5	bc	47	75	44	8	8	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	19.7	+8	NNW	4	b	47	92	45	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	15.1	+10	WNW	4	bq	46	88	44	7	1	-	-	1	1	4000
7	Holyhead	26	12.1	+14	NW'W	5	pr	44	75	37	7	5	-	-	10	10	1800
	Chester (Sealand)	16	10.5	+20	NW'N	6	PR	41	85	37	7	9	-	-	9	9	1000
8	Manchester	235	09.4	+14	WNW	5	bc	40	75	31	8	4	-	-	2-3	2-3	3000
10	Spurn Head	29	05.7	+18	NNW	4	c	37	85	34	6	4	7	-	4-6	7-8	800
	Catterick	175	07.7	+20	N	2	bc	36	75	28	7	2	3	-	2-3	4-6	2000
	Tynemouth	108	06.5	+16	NNW	5	bc/pr	35	75	28	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	08.3	+12	NW	7	bc	35	75	26	8	4	4	-	1	2-3	2500
	Leuchars	36	06.9	+10	NNW	5	b	33	75	26	7	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	10.1	+26	NW	4	b	35	55	20	7	5	-	-	Tr	Tr	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10.4	+20	N'W	5	b	41	85	35	8	4	*	*	1	1	2000
13A	Tiree	22	12.4	+20	N	6	bc	38	92	34	8	8	-	-	4-6	4-6	1800
13B	Stornoway	80	11.1	+22	NW	6	bc/ps	30	97	29	7	9	-	-	4-6	4-6	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Wick	119	04.4	+26	N	6	bc/ps	31	92	29	7	3	-	-	4-6	4-6	2200
16	Sumburgh	30	98.9	+54	NNW	7	prs	34	75	29	7	8	-	-	10	10	1200
17	Blacksod Point	18	16.8	+4	NW'N	3	c/pr	45	92	43	8	5	-	-	9+	9+	800
18	Malin Head	84	14.4	+30	N	4	bc	39	85	35	7	9	-	-	4-6	4-6	2500
	Aldergrove	268	13.7	+26	NW'N	4	c/pr	39	85	34	8	8	-	-	9+	9+	3400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20.8	+6	NNW	4	c	50	85	45	8	8	-	-	10	10	2500
	Roches Point	22	18.4	+6	NW	4	c/pr	46	85	42	8	8	6	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 13th 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)	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 12th Hrs. (38)
London (Kew)	12.5	+16	NW	3	z0	39	75	31	6	5	-	-	4-6	4-6	2500	1	*	46	39	32	Tr	0.1	0.1
Croydon	12.4	+16	NW	2	bc	38	75	32	6	5	4	6	2-3	4-6	4000	1	*	47	38	32	0.1	0.1	0.1
S. Farnborough	13.0	+18	NW	3	c	40	65	31	7	5	-	1	7-8	7-8	3500	1	*	46	39	35	Tr	Tr	0.2
Boscombe Down	14.1	+14	NW	2	bc	40	92	37	8	8	-	-	4-6	4-6	2000	1	*	44	39	36	0.2	0.3	0.4
Thorney Island	13.0	+14	NW'N	3	c/r	40	85	37	7	5	3	-	4-6	7-8	2500	1	*	47	39	39	0.1	1	*
Lympne	11.8	+10	WNW	4	z0	36	85	32	6	4	-	1	1	1	3200	1	§4	43	36	33	0.1	0.6	0.0
Manston	10.6	+18	NW	4	z0	36	85	31	6	2	8	9	Tr	1	4000	4	*	42	36	30	Tr	Tr	0.0
Shoeburyness	11.5	+10	NW'N	4	bc	37	85	32	7	5	-	1	4-6	4-6	3500	1	*	44	37	30	Tr	-	0.6
Felixstowe	10.5	+22	NNW	4	p r	37	75	31	8	2	-	-	9+	9+	2600	1	3	42	37	33	0.1	Tr	0.0
Gorleston	08.9	+16	NW'N	4	bc	39	85	29	7	5	-	-	2-3	2-3	2000	1	3	41	34	31	0.2	-	*
Mildenhall	10.6	+22	NW	2	z0	34	97	33	6	5	4	-	7-8	9	4000	1	*	42	34	27	Tr	Tr	0.0
Cranwell	11.1	+24	NW'N	4	z0	34	75	27	6	5	-	1	Tr	1	3500	4	*	41	34	28	0.4	0.2	0.0
Birmingham	13.1	+14	NW	4	b	35	75	29	6	5	-	5	Tr	Tr	1500	1	*	44	35	30	0.3	3	0.0
Upper Heyford	13.1	+22	NW'W	5	c	36	85	31	7	4	4	-	7-8	7-8	2500	1	*	42	36	31	0.3	0.5	*
Ross-on-Wye	14.3	+16	N	3	c	39	85	34	8	5	-	1	7-8	7-8	3000	1	*	47	39	34	0.1	0.1	0.0
Hartland Point	16.5	+6	WNW	4	c	44	85	40	8	3	-	-	9	9	2500	1	4	47	43	42	0.4	1	0.1
Bristol	14.3	+12	NW	3	bc	40	85	34	7	5	4	1	2-3	2-3	3000	1	*	45	40	33	0.4	-	0.0
Portland Bill	14.0	+6	NW	3	o	45	92	45	7	3	2	-	7-8	10	2500	1		47	47	*	-	-	*
Plymouth	17.1	+6	NW	5	bc	46	92	43	8	8	-	2	4-6	4-6	3000	1	3	50	46	38	Tr	0.5	0.6
The Lizard	18.4	+4	NW	5	c	48	85	44	7	8	2	-	9	10	1500	0	4	51	46	*	Tr	-	2.0
Scilly (St. Mary's)	19.5	+4	NNW	4	cjp	48	85	45	8	5	2	-	7-8	9+	1500	1	4	52	47	*	0.1	-	1.5
Guernsey																							
Pembroke	16.7	+12	NW	4	cq	45	85	40	8	8	6	-	7-8	9+	2500	1	3	49	42		-	Tr	0.9
Holyhead	15.4	+18	NNW	5	bc	38	92	34	8	8	-	-	4-6	4-6	2500	1	4	48	36	33	Tr	1	*
Chester (Sealand)	14.4	+20	NW'N	5	bc	37	67	25	7	4	-	1	2-3	2-3	4000	1	*	48	37	32	0.2	0.4	0.0
Manchester	12.9	+14	NW	5	b	34	65	24	7	-	6	-	0	1	-	3	*	45	34	29	0.5	12	*
Spurn Head	08.6	+20	NW	5	bc	34	75	27	7	7	4	-	2-3	4-6	4000	3	3	42	34	*	-	-	0.0
Catterick	11.6	+18	NW	3	o	33	55	21	8	-	-	1	0	Tr	-	4	*	44	32	29	-	Tr	0.0
Tynemouth	09.9	+20	NW	4	bc	32	92	29	7	2	-	-	2-3	2-3	2500	3	4	43	31	28	-	1	*
St. Abbs Head	08.7	+18	NW	7	ocq	33	85	30	8	2	4	-	2-3	2-3	2500	4	4	45	32	*	1	Tr	
Leuchars	11.5	+26	NE'E	4	oc	32	92	30	7	8	-	-	2-3	2-3	3000	3	*	46	30	26	Tr	-	0.5
Renfrew (Abbots I.)	13.6	+18	NW'W	3	bc	33	65	22	8	5	-	-	2-3	2-3	2500	3	*	47	32	29	0.4	-	0.1
Eskdalemuir	13.1	+16	WNW	3	bc	26	75	19	8	5	-	-	4-6	4-6	1700	9	*	41	24	19	2	Tr	0.0
Point of Ayre	14.9	+18	N'W	5	c	38	65	28	8	9	-	5	7-8	9+	4000	1	4	48	37	*	0.3	1	0.2
Tiree	16.3	+20	N	6	bc	37	85	32	8	8	-	-	4-6	4-6	2500	0	5	46	36	*	0.4	0.3	0.0
Stornoway	15.4	+20	NW.	4	bc/phr	31	97	31	8	3	-	-	4-6	4-6	1500	8	2	41	29	*	2	3	0.9
Dalwhinnie	14.5	+20	N	3	is	25	85	22	4	5	-	-	10	10	1500	8	*	41	25	20	0.6	2	0.0
Aberdeen	08.5	+22	NW	5	ps	31	65	22	6	8	-	-	9+	9+	1500	9	2	42	29	25	1	1	0.1
Wick	09.4	+26	NNW	7	sf	30	97	30	3	3	-	-	10	10	500	8	*	43	28	27	2	5	*
Sumburgh	03.8	+22	NNW	8	PHR	33	85	30	4	9	-	-	10	10	600	8	6	40	30	29	2	1	2.2
Blacksod Point	20.4	+18	N	4	bc	43	85	39	8	4	-	-	4-6	4-6	4000	0	4	50	42	*	1	Tr	*
Malin Head	17.9	+22	N	5	cjp	40	65	30	8	8	-	-	7-8	7-8	4000	0	5	48	35		0.3	0.2	0.6
Aldergrove	17.3	+20	NW'N	4	c	37	65	27	8	5	-	-	9+	9+	3500	1	*	47	35	33	0.1	01	0.5
Birr Castle	19.1	+22	NNW	2	bc	39	85	35	8	5	-	-	2-3	2-3	2500	1	*	50	39	36	0.1	-	0.9
Valentia Obsy.	21.5	+6	NNW	2	c	47	92	45	8	8	-	-	9+	9+	2500	1	3	51	47	43	[illegible]	4	
Roches Point	19.4	+10	WNW	5	c	46	85	42	8	5	-	-	7-8	7-8	1500	1	4	51	46	*	Tr	0.2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 12th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	83	26855	61565	30	26755	61785	5-	83445	31785	8-	02644	63784
115				87	83735	95688	87	83844	95786	87	83844	99786
203				6-	88837	30677	50	83835	28685	8-	83738	30668
206	83	81856	28487	86	88864	26885	3-	01853	59683	8-	26854	61484
210	87	25865	59687	86	26745	60586	3-	83694	59786	86	01843	60784
220	81	03755	27488	80	08647	31687				80	27745	29588
230	87	81845	61588	8-	02855	96586	5-	01854	31614	30	00852	32702
245	87	81846	28367	8-	87648	30488	00	00890	68500	80	26852	28482
260	57	05655	23515	4-	01745	24415	04	00790	28212	5-	02757	25207
278	57	81844	59687	87	10836	60687	3-	25854	63684	8-	01854	63624
279	51	02844	33467	37	22755	24466	00	00790	26310	54	01953	28203
285	6-	03638	24668	6-	63528	26668				50	01853	32513
288	57	02853	22323	44	02755	25216	5-	05507	28327	53	00761	59381
575				33	25854	59565	8-	81845	28385	83	02855	28425
301	57	05637	26527	57	05654	58526	50	00752	61522	50	00761	29501
321	52	05634	25437	57	05654	37426	50	05651	27461	07	05630	60481
299	5-	01753	[illegible]	53	02754	-----	30	01744	24314	50	01754	26614
292	52	02758	25468	58	01863	57525	50	00762	26312	54	01861	26503
310										--	01653	[illegible]
614	-2	21433	20385	62	65555	58323	04	05690	28463	00	05690	28210

III	13h. G.M.T. 12th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	57	02867	26528	53	02745	26566	2-	81747	24617	44	01853	30513
334	--	63646	24368							--	54547	28258
340	87	23845	26466	5-	52358	25458	40	22664	28264	40	00863	64313
136	61	05657	22468	57	05665	24528	5-	02876	27566	50	01862	28583
336	52	22636	28568	62	64626	28568				54	01754	28315
350	52	62655	22468	57	05674	22467	5-	61657	57427	86	01763	60563
368	82	02734	56568	87	02755	57526	5-	05656	24566	5-	05655	28365
379	5-	41638	20368	5-	02758	24388	50	25754	26484	53	01753	63684
390	57	08464	22464	57	05594	23427	00	05590	21420	54	05653	59524
382	5-	02757	21467	52	22755	55468	5-	05666	24426	86	01864	61524
438	6-	81748	24688							62	10744	24487
430	53	05653	22473	5-	22562	24468	54	92653	36463	53	[illegible]	28485
409	57	22855	26466	5-	02767	25467	5-	02806	26416	67	81755	30466

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

§ Sea disturbance reported from Dungeness.

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

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	is₀cm₀	p₀bccm₀	cis₀cm₀
Croydon	bcis₀cs₀	cm₀	cm₀cbm₀
Greenwich	c	cr₀	circbc
Camden Square	o	c	*
Kensington	c2c	bc	*
Hampstead	osp	or	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.2 Time 7–13h. 12th. Min. 0.1 Time 9–7h. 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	46	39	32	Tr	0.1	0.1	*	*
Croydon	47	38	32	0.1	0.1	0.1	*	*
Greenwich	46	37	31	Tr	0.5	0.0	73	58
Westminster	46	34	32	0.2			82	65
Regents Park							65	62
Camden Square	45	34	28	-		*	*	61
Kensington	46	38	34	*	0.4		81	60
Hampstead	44	30	29	Tr	0.2		*	69

BRITISH SECTION

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

SECRET

Saturday 14th February 1942

No. 29304

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)	°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)	16·5	+14	NW	4	c	40	35	17	7	1	-	6	4-6	7-8	2500
	Croydon ...	16·1	+12	NW	4	c	39	55	23	6	2	-	-	4-6	10	2300
	S. Farnborough	17·3	+12	NW'N	4	c	39	45	22	7	7	-	-	9	9	3200
	Boscombe Down	18·3	+16	N'W	4	c	40	65	30	8	7	-	-	9	9	2000
	Thorney Island	17·1	+12	N'W	4	c	42	65	29	8	7	4	-	4-6	9	4000
	Lympne ...	15·0	+12	NW	4	c	40	55	24	8	1	-	-	7-8	7-8	2500
	Manston ...	14·6	+12	NW'N	6	zo	38	65	28	6	4	-	1	0	Tr	-
2	Shoeburyness ...	15·6	+10	NNW	5	bc	40	55	25	7	2	-	-	2-3	2-3	3500
	Felixstowe ...	14·1	+10	NW'N	5	bc	39	55	22	7	1	-	1	2-3	4-6	4500
	Gorleston ...	12·6	+14	NNW	6	bc	37	55	23	7	2	-	-	4-6	4-6	3000
	Mildenhall ...	14·7	+20	NW'N	6	bc	38	65	26	8	1	-	1	2-3	2-3	2000
	Cranwell ...	15·6	+20	NNW	5	zo	38	55	22	7	2	-	-	7-8	7-8	2500
3	Birmingham ...	17·6	+16	NW	5	pc	36	65	25	7	8	-	-	9	9	1500
	Upper Heyford	16·8	+10	NW'N	5	c	37	65	26	7	8	6	-	7-8	7-8	2500
4	Ross-on-Wye	18·1	+12	NW	3	c	41	65	30	8	8	-	8	7-8	9	3000
5	Hartland Point	20·7	+16	N	4	c	42	55	27	8	5	4	5	4-6	7-8	2000
	Bristol ...	18·9	+22	N	4	c	41	75	32	8	8	-	-	9	9	2000
	Portland Bill ...	18·6	+12	WNW	3	c	46	85	42	8	5	-	-	4-6	7-8	4000
	Plymouth ...	20·4	+14	NW	5	c	46	75	38	8	8	-	-	7-8	7-8	3000
	The Lizard ...	20·8	+12	N	5	c	47	75	40	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	22·2	+14	N'E	4	c	48	75	40	8	8	7	-	4-6	9+	1500
	Guernsey ...															
6	Pembroke ...	21·5	+16	N	6	cq	43	65	31	8	8	-	-	9	9	2500
7	Holyhead ...	20·1	+20	NNW	4	bc	41	55	27	8	8	-	-	4-6	4-6	2500
	Chester (Sealand)	18·8	+22	NW'N	5	bcq	40	55	24	8	1	-	9	4-6	4-6	3000
8	Manchester ...	17·3	+22	NW'W	5	bc	38	45	20	7	1	-	1	4-6	4-6	3500
10	Spurn Head ...	12·2	+16	WNW	6	c/d	35	92	34	7	2	6	-	4-6	7-8	2500
	Catterick ...	16·3	+30	NNW	5	bc	36	65	25	8	2	-	5	1	2-3	3500
	Tynemouth ...	15·8	+18	NNW	6	bc	35	75	26	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	14·1	+22	NW	7	bcq	35	92	29	8	1	4	2	1	4-6	2500
	Leuchars ...	15·8	+14	NW	4	c	36	55	24	9	2	-	2	Tr	7-8	3000
12	Renfrew (Abbots I.)	19·5	+26	NW'W	4	c	37	55	23	9	7	-	8	7-8	7-8	2500
	Eskdalemuir ...	17·9	+20	NNW	4	bc	32	55	18	8	1	-	9	1	4-6	2500
	Point of Ayre ...	19·8	+22	N'E	6	c	40	55	26	8	1	-	6	1	7-8	2500
13A	Tiree	20·5	+20	N	4	bc	39	75	32	8	8	-	-	4-6	4-6	2100
13B	Stornoway ...	21·2	+24	N	5	c/phr	34	97	34	7	9	6	6	4-6	9+	1500
15	Dalwhinnie ...	19·9	+30	NW	3	c	31	85	28	8	8	-	8	4-6	9	4000
	Aberdeen ...	13·7	+26	NW	5	bc	35	75	23	8	8	-	1	2-3	2-3	2200
	Wick ...	15·6	+32	NNW	6	c	36	65	27	8	2	-	-	7-8	7-8	2500
16	Sumburgh ...	11·8	+42	NNW	6	c/ps	36	75	27	7	8	6	-	7-8	9	1200
17	Blacksod Point	24·6	+16	N	4	c	43	75	36	8	4	6	-	4-6	7-8	2500
18	Malin Head ...	22·3	+22	N	5	c	40	65	29	8	9	-	-	7-8	7-8	4000
	Aldergrove ...	22·0	+22	NW'N	4	cjp	39	65	30	8	8	6	1	4-6	9-8	2500
19	Birr Castle ...	23·7	+16	NNW	3	c	43	65	32	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	24·5	+12	N'W	3	c	49	75	41	9	8	-	-	9+	9+	4000
	Roches Point	23·7	+18	N	3	c	46	75	38	8	5	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. 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)	°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)	20·6	+34	NW'N	2	zo	36	55	22	6	-	-	1	0	2-3	-	1	*
	Croydon ...	19·6	+24	NNW	3	m	35	55	21	4	-	-	-	0	0	-	1	*
	S. Farnborough	20·6	+22	NW'N	3	bc	35	55	23	6	5	-	-	Tr	2-3	3000	1	*
	Boscombe Down	21·7	+30	N	3	b	35	65	24	7	5	-	-	1	1	4000	1	*
	Thorney Island	20·6	+14	NNW	3	b	37	65	27	7	5	-	1	Tr	1	4000	1	*
	Lympne ...	19·4	+30	NW	3	b	33	65	22	7	-	-	2	0	Tr	-	1	3
	Manston ...	18·5	+26	NW'N	5	bc	34	75	26	7	-	-	5	0	2-3	-	1	*
2	Shoeburyness ...	19·4	+26	NW	3	b	34	75	26	6	-	-	1	0	Tr	-	3	*
	Felixstowe ...	17·8	+24	NW	5	b	35	65	26	7	4	-	-	Tr	Tr	4000	1	4
	Gorleston ...	15·8	+28	NNW	5	bc	36	92	33	7	2	-	-	2-3	2-3	2500	1	3
	Mildenhall ...	18·8	+22	WNW	3	bc	33	75	28	7	4	-	3	1	2-3	4000	1	*
	Cranwell ...	19·1	+26	NW'N	5	zo	33	75	27	6	4	-	8	Tr	Tr	3000	4	*
3	Birmingham ...	21·4	+28	NW	4	b	33	55	20	6	-	7	-	0	1	-	1	*
	Upper Heyford	20·2	+18	NW	4	zo	33	85	29	6	-	7	-	0	1	-	1	*
4	Ross-on-Wye	21·0	+26	N	3	bc	36	65	22	8	4	-	2	1	2-3	3000	1	*
5	Hartland Point	23·1	+26	NNW	4	c	41	65	33	8	5	-	-	9+	9+	2000	1	4
	Bristol ...	22·8	+32	N'W	4	bc	37	55	23	7	4	-	8	1	2-3	4000	1	*
	Portland Bill ...	20·2	+12	NW	3	c	42	85	37	8	5	-	-	10	10	4000	1	4
	Plymouth ...	22·9	+20	N'W	5	bc	41	85	36	8	4	7	1	Tr	4-6	3000	0	3
	The Lizard ...	24·1	+20	N	4	c	45	75	34	8	8	6	-	7-8	7-8	1500	0	4
	Scilly (St. Mary's)	24·4	+20	NNE	4	bc	44	65	32	8	8	6	2	4-6	4-6	1500	1	4
	Guernsey ...																	
6	Pembroke ...	23·7	+4	N	4	cq	41	65	32	8	8	-	-	7-8	9	2500	1	3
7	Holyhead ...	23·2	+22	N	4	bc	38	65	27	9	8	-	8	4-6	4-6	2500	1	3
	Chester (Sealand)	22·3	+22	NW'N	3	fg	34	65	24	6	1	-	-	4-6	4-6	4000	0	*
8	Manchester ...	21·8	+26	NW'N	4	zo	34	65	23	6	-	-	9	0	7-8	-	1	*
10	Spurn Head ...	16·1	+8	WNW	6	cq	36	92	34	7	9	6	-	4-6	7-8	2500	3	5
	Catterick ...	20·6	+30	NW	4	bc	33	75	27	7	5	4	-	2-3	4-6	3500	4	*
	Tynemouth ...	19·2	+20	NW	6	zo	35	85	32	6	2	3	-	2-3	4-6	2800	3	4
11	St. Abbs Head	18·3	+12	NW	7	bcq	36	75	29	9	4	4	-	2-3	4-6	2500	4	4
	Leuchars ...	20·0	+22	NW	4	bc	35	65	26	9	8	-	2	2-3	4-6	2500	3	*
12	Renfrew (Abbots I.)	22·7	+24	NW'N	4	c	33	75	27	8	4	-	8	2-3	10	2500	3	*
	Eskdalemuir ...	22·1	+16	NW	4	c	30	55	16	8	1	-	7	1	7-8	2600	9	*
	Point of Ayre ...	22·6	+20	N'E	5	bc	38	65	26	8	4	-	6	Tr	4-6	2500	0	4
13A	Tiree	23·8	+14	N	3	c	39	75	32	8	8	-	-	7-8	7-8	2500	0	4
13B	Stornoway ...	23·8	+12	NNW	3	c	34	85	30	8	8	7	-	7-8	9+	2000	1	2
15	Dalwhinnie ...	22·9	+22	N	2	c	28	85	24	8	5	-	8	2-3	4-6	2500	8	*
	Aberdeen ...	18·6	+30	NNW	5	bc/ps	33	85	27	8	8	-	6	4-6	4-6	1500	8	3
	Wick ...	20·1	+26	NNW	4	c/phr	34	75	27	8	8	-	2	7-8	9	2000	8	*
16	Sumburgh ...	17·5	+34	N'W	4	c	33	75	27	8	8	-	-	7-8	7-8	2500	4	6
17	Blacksod Point	26·2	+12	N'E	3	c	43	75	36	8	-	7	-	0	7-8	-	0	3
18	Malin Head ...	24·8	+18	N	5	c	41	55	26	8	9	-	-	7-8	7-8	5700	0	5
	Aldergrove ...	24·7	+14	NNW	2	c	37	65	27	8	8	-	8	4-6	7-8	5000	1	*
19	Birr Castle ...	25·8	+16	NW	2	c	41	65	30	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	26·[illegible]	+18	NE'N	2	c	44	75	37	9	5	-	1	4-6	7-8	4000	1	2
	Roches Point	25·8	+18	N	2	bc	44	65	33	8	5	-	1	4-6	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 13th. (39)	13h.—18h. 13th. (40)	18h. 13th. to 1h. 14th. (41)	1h.—7h. 14th. (42)
1	London (Kew)	cbczoy	c,bzoy	bzoy	bzo
	Croydon ...	dzobdzoy	bczocz	bzbm	bzbmx
	S. Farnborough	cbccy	eysobcb	byzo	bmox
	Boscombe Down	bxcbc	bcb	bcb	bx
	Thorney Island	cbcc	ceyv	b	b
	Lympne ...	bcmzbc	bczoby	bbcbzo	bzobmx
	Manston ...	bcmob	bzocbzob	cbczo	bczox
2	Shoeburyness ...	bybzo	bbccb	*	bmo
	Felixstowe ...	cmobcy	bcybyb	bbmo	bmo
	Gorleston ...	bcqy	bcq	czoiS	czoiS
	Mildenhall ...	cbzbc	bckqb	bbmo	bmobcmo
	Cranwell ...	bbczo	bcby	bzo	bzbcmo
3	Birmingham ...	bcpso	cbc	bz	bzfx
	Upper Heyford	cbcmoc	cpsobcmo	bmo	bmo
4	Ross-on-Wye	cbccy	cbcy	bcb	bx
5	Hartland Point	cro	cbcc	cbccy	cbccy
	Bristol ...	bcc	cbccy	bcbyb	bmybc
	Portland Bill ...	c	c	bc	bc
	Plymouth ...	bcc	cbcc	bcbmo	bbmo
	The Lizard ...	cprc	c	c	c
	Scilly (St. Mary's)	cpc	cbc	bcc	c
	Guernsey ...				
6	Pembroke ...	cq	cq	c	c
7	Holyhead ...	bcc	bcyv	bcvb, cbc	bcbcc
	Chester (Sealand)	gcpsh	bccq	bczxb	zomxb
8	Manchester ...	bc	bcy	bczob	bmx
10	Spurn Head ...	bc	cq	bq	bcq
	Catterick ...	bbc	bbc	b	b
	Tynemouth ...	bc	bc	bc	bc
11	St. Abbs Head	bcqcq	cbcq	bcq	bcqcq
	Leuchars ...	bxcbcvy	bcvybc	bcbbcx	bcbbccx
12	Renfrew (Abbots I.)	bbccy	cvy	bcx	bcxcm
	Eskdalemuir ...	bcbcy	bccy	cybcb	bbcc
	Point of Ayre ...	cy	cbc	bcb	bbcc
13A	Tiree	bc	bcc	c	c
13B	Stornoway ...	cps	c	c	c
15	Dalwhinnie ...	cbcc	c	*	co
	Aberdeen ...	bcps	bcps	bccbc	bcc
	Wick ...	sfpshbc	pscPH	psobcc	c
16	Sumburgh ...	cpsmps	cpsoc	psobcx	c
17	Blacksod Point	c	c	bc	bc
18	Malin Head ...	c	c	c	c
	Aldergrove ...	cprsocjp	prsobcc	cbcc	c
19	Birr Castle ...	bc	bc	*	bc
20	Valentia Obsy.	pr	bc	bc	c
	Roches Point	bc	bc	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 14th February 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light northwest wind becoming variable; fine apart from snow showers locally near east coast at first; local morning fog: cold: hard night frost.
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 west wind becoming southwest light or moderate; fine at first; cloudy later with slight snow or sleet changing to rain: local morning fog; cold at first; temperature rising slowly later.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate southwest to west wind, fresh locally on coasts later; cloudy; occasional light snow or sleet changing to rain: becoming milder.
16 Orkneys and Shetlands	As 13A–15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable or southwest wind: fine at first; cloudy later with local drizzle: milder but frost locally at night.

GENERAL INFERENCE

An anticyclone centred over South Ireland is expected to move slowly east-southeast and a trough of low pressure is approaching West Scotland. Weather will be fine generally at first apart from snow showers locally near the east coast but occasional light snow or sleet changing to rain is expected later in Scotland and perhaps the extreme north of England. Day temperatures will rise a little above freezing point in England and Wales but there will be hard night frost. Later it will become much milder in Scotland

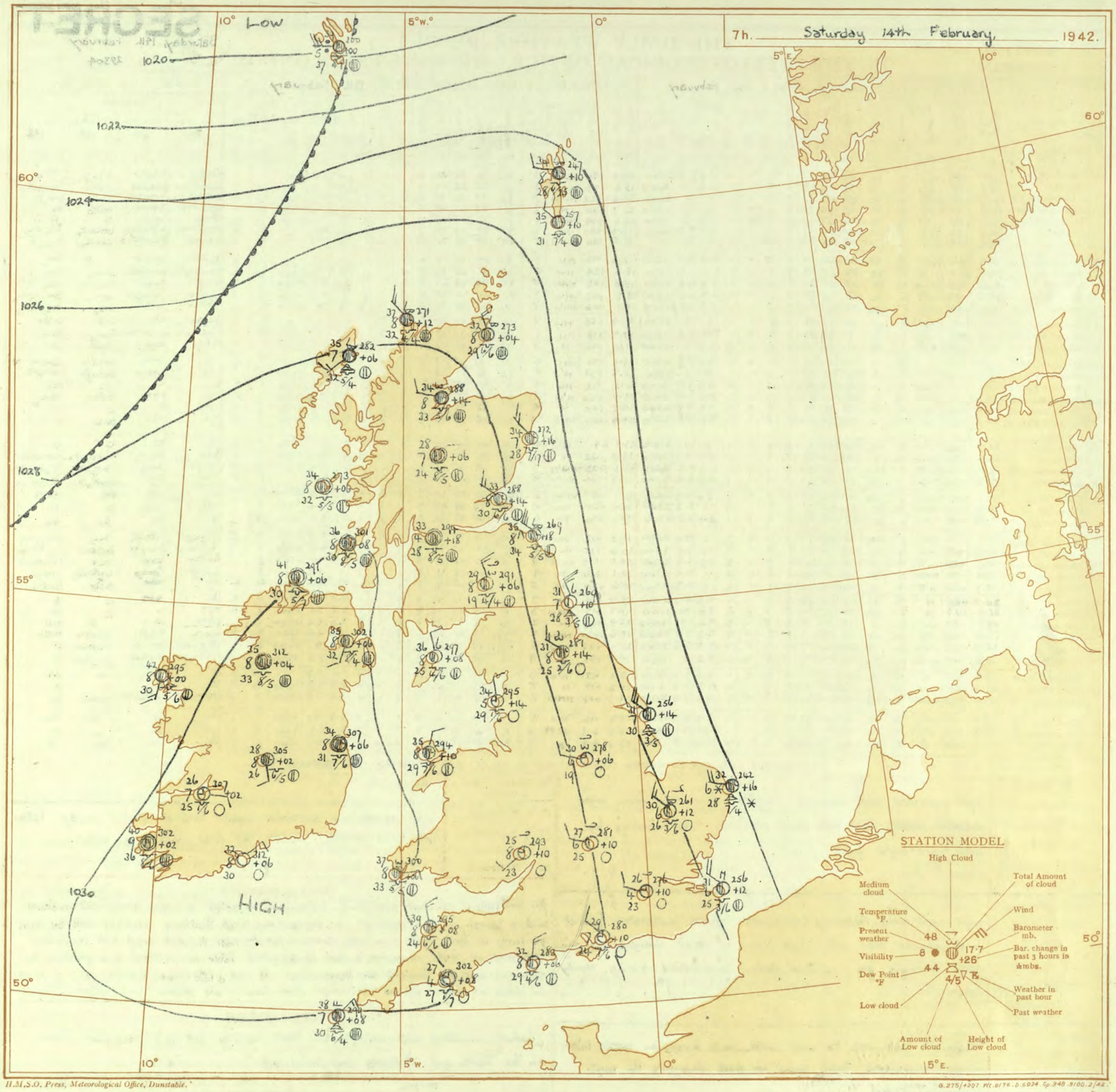
FURTHER OUTLOOK

Rather unsettled and milder in the North, mainly fair and somewhat milder in the South and Midlands but local fog.

Forecasts issued at 10·30h.

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

7h. Saturday 14th February, 1942.



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

6.275/+207 Wt.8176.D.6034. Gp.348 .9100.2/42.

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).

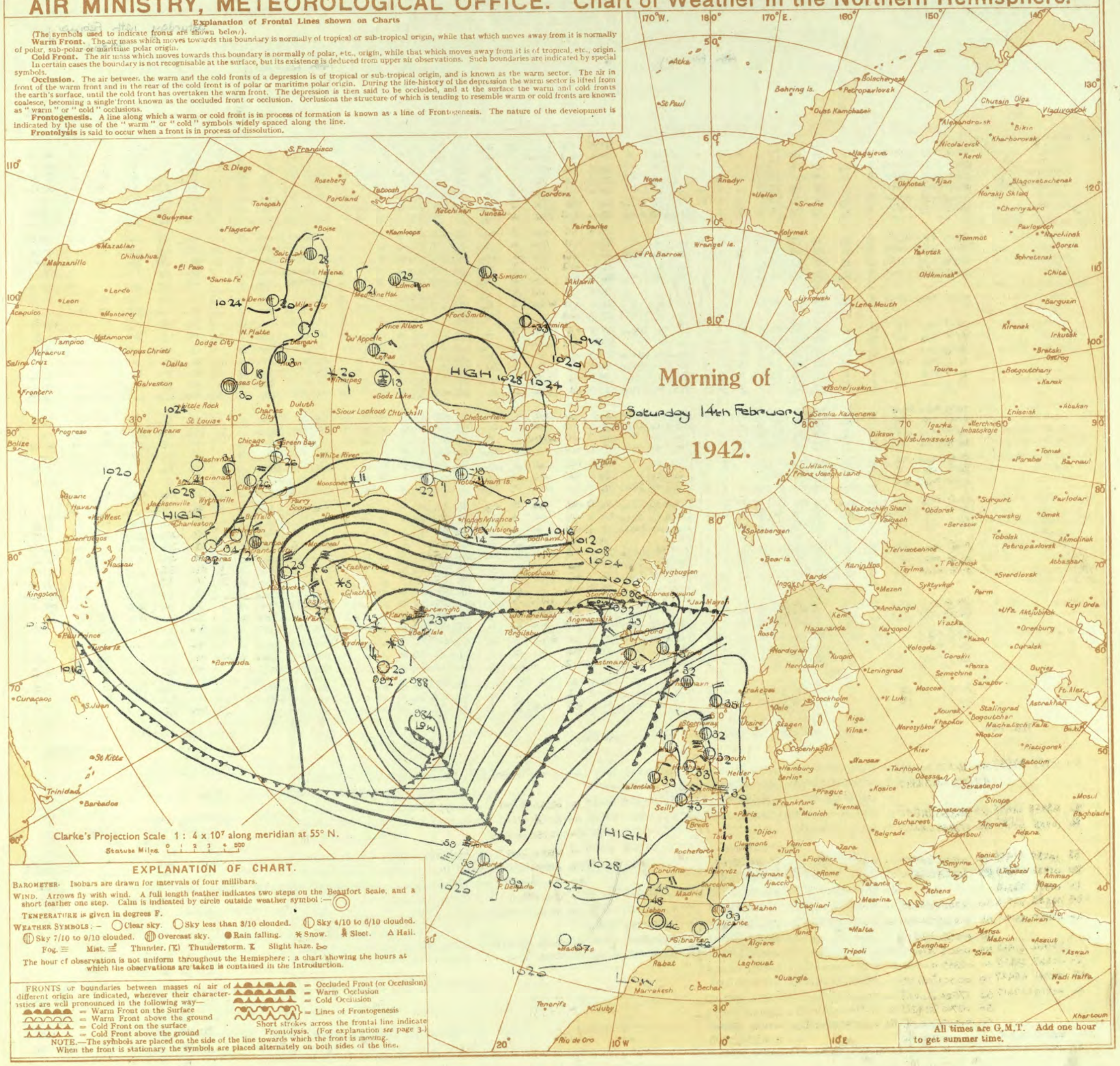
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Saturday 14th February 1942

No. 29304.

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)	°F. Dew Point. (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)	18	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon ...	217	25·0	+18	WNW	1	m	30	85	27	4	–	–	–	0	0	–
	S. Farnborough	226	25·1	+20	W'N	2	z_0	29	75	22	6	–	–	–	0	0	–
	Boscombe Down	417	27·1	+18	NNW	3	b	29	75	23	7	–	–	–	0	0	–
	Thorney Island	10	25·7	+18	NW	1	b	31	75	25	7	–	–	–	0	0	–
	Lympne ...	346	23·8	+18	NNW	3	z_0	31	75	24	6	5	–	–	Tr	Tr	3200
	Manston ...	154	23·2	+22	NW	4	z_0	33	75	27	6	5	–	–	2-3	2-3	4000
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	22·3	+22	NW'N	4	z_0	34	75	28	5	–	–	–	0	0	–
	Gorleston ...	5	20·8	+22	NNW	4	is	32	92	31	6	6	–	–	10	10	1500
	Mildenhall ...	19	23·4	+22	NW'W	4	z_0	31	85	28	6	–	–	–	0	0	–
	Cranwell ...	240	24·2	+22	NW	4	z_0	30	75	24	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·0	+24	NW'N	3	z_0	28	85	25	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·6	+18	NE	3	c	39	55	26	8	5	–	–	9	9	2500
	Bristol ...	209	27·7	+18	SW	3	b	29	75	23	6	–	–	–	0	0	–
	Portland Bill ...	32	26·6	+24	N	3	bc	35	85	29	8	4	–	–	4-6	4-6	4000
	Plymouth ...	82	28·3	+18	NNE	1	b	32	92	30	7	5	–	–	Tr	Tr	5700
	The Lizard ...	240	28·2	+18	NE	1	c	40	75	32	7	5	2	–	9	10	1500
	Scilly (St. Mary's)	163	28·2	+14	NE	3	c	43	65	33	8	8	2	–	7-8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	28·5	+20	ESE	1	c	39	75	31	8	8	2	–	7-8	10	2500
7	Holyhead ...	26	27·4	+16	NE	1	bc	33	85	28	8	4	–	–	4-6	4-6	3700
	Chester (Sealand)	16	26·9	+18	NW'N	2	z_0	32	75	23	6	–	–	–	0	0	–
8	Manchester ...	235	26·6	+18	NW	3	b	29	75	23	8	–	–	–	0	0	–
10	Spurn Head ...	29	21·4	+20	NW	6	bq	33	92	31	7	–	–	–	0	0	–
	Catterick ...	175	25·5	+20	N	3	b	31	92	30	7	–	–	–	0	0	–
	Tynemouth ...	108	24·1	+16	NW	6	bc	32	92	31	6	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	23·5	+16	NW	6	bcq	34	92	31	7	4	4	–	2-3	4-6	2500
	Leuchars ...	36	25·9	+18	NNW	4	bc	34	75	28	8	5	–	–	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	27·0	+14	W	1	bc	30	92	27	8	5	–	–	4-6	4-6	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	27·4	+14	N'E	3	b	37	75	29	8	4	–	–	Tr	Tr	3800
13A	Tiree	22	26·2	+10	N	3	c	39	75	32	8	5	–	–	9+	9+	2800
13B	Stornoway ...	80	27·5	+14	–	0	c	34	92	30	7	8	7	–	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	25·0	+16	NNW	3	c/pS	34	85	29	8	8	–	–	9	9	2500
16	Sumburgh ..	30	22·9	+18	NNW	4	c	34	85	29	8	8	–	–	10	10	2000
17	Blacksod Point	18	29·4	+6	–	0	bc	35	85	31	8	4	–	–	2-3	2-3	4000
18	Malin Head ...	84	28·1	+12	N	2	c	41	65	31	7	8	–	–	9	9	4000
	Aldergrove ...	268	28·8	+10	–	0	c	39	85	30	7	5	–	–	9	9	3200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29·6	+16	NE	1	c	39	85	35	9	5	–	2	7-8	9	4000
	Roches Point	22	30·1	+18	NE	2	b	36	85	32	8	5	–	–	1	1	4000

OBSERVATIONS at 7 hr. 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)	°F. Dew Point. (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)	27·5	+8	NW'N	2	z_0	30	75	22	6	–	–	5	0	1	–	3	*
	Croydon ...	27·6	+10	WNW	1	m	26	92	23	4	–	–	1	0	Tr	–	3	*
	S. Farnborough	28·2	+6	W'N	1	z_0	25	85	22	6	–	–	1	0	Tr	–	3	*
	Boscombe Down	29·2	+8	N	1	b	25	85	22	7	–	–	1	0	1	–	3	*
	Thorney Island	28·0	+10	NW	2	b	29	85	24	7	5	–	–	Tr	Tr	4000	3	*
	Lympne ...	26·1	+8	NW	2	z_0	28	85	22	6	5	4	–	1	1	3200	3	§3
	Manston ...	25·6	+12	NW	4	z_0	31	75	25	6	5	8	–	2-3	4-6	4000	3	*
2	Shoeburyness...	25·8	+10	NW	3	bc	29	75	24	6	5	–	1	2-3	4-6	2000	3	*
	Felixstowe ...	25·1	+10	NW	4	z_0	31	75	25	6	5	–	–	1	1	4000	1	3
	Gorleston ...	24·2	+16	W'N	4	is	32	85	24	6	8	–	–	9+	9+	1500	7	4
	Mildenhall ...	26·1	+12	NW	3	z_0	30	85	26	6	5	7	8	2-3	4-6	4000	3	*
	Cranwell ...	26·9	+10	NW	4	z_0	30	85	27	6	5	–	–	7-8	7-8	4500	4	*
3	Birmingham ...	28·7	+10	NW	3	bc	28	85	24	3	–	–	–	0	0	–	1	*
	Upper Heyford	28·1	+10	WNW	2	z_0	27	97	25	6	–	–	2	0	2-3	–	3	*
4	Ross-on-Wye	29·3	+10	SW	1	b	25	92	23	8	–	–	1	0	Tr	–	3	*
5	Hartland Point	29·5	+8	NNW	3	c	39	55	24	8	5	–	–	9	9	3000	1	3
	Bristol ...	29·9	+12	SSW	2	z_0	28	85	23	6	5	–	–	Tr	Tr	2500	3	*
	Portland Bill ...	28·3	+6	N	3	bc	32	85	27	8	5	–	–	4-6	4-6	4000	1	4
	Plymouth ...	30·2	+8	–	0	m	27	97	27	4	5	–	–	Tr	Tr	5700	3	2
	The Lizard ...	29·9	+8	NE	3	c	38	75	32	7	8	2	–	9	10	1500	0	3
	Scilly (St. Mary's)	29·5	+8	E'N	2	c	42	45	22	8	5	–	–	9+	9+	1800	1	3
	Guernsey ...																	
6	Pembroke ...	30·0	+6	ENE	1	c	37	85	33	8	5	3	–	7-8	9	2500	1	1
7	Holyhead ...	29·4	+10	NNE	1	c	35	85	29	8	5	–	–	9+	9+	3500	1	2
	Chester (Sealand)	29·3	+10	WNW	1	z_0	26	97	24	6	–	4	–	0	2-3	–	3	*
8	Manchester ...	29·4	+14	–	0	z_0	36	92	33	5	–	–	–	0	0	–	3	*
10	Spurn Head ...	25·6	+14	NW	5	c	31	97	30	7	8	4	–	2-3	7-8	2500	4	4
	Catterick ...	28·1	+14	NW	3	c	31	75	25	8	5	–	9	1	9	4000	4	*
	Tynemouth ...	26·9	+10	NNW	5	bc	31	85	28	7	2	4	–	2-3	2-3	2500	3	4
11	St. Abbs Head	26·9	+18	NW	5	cq	35	92	34	8	4	7	–	7-8	9+	2500	3	4
	Leuchars ...	28·8	+14	NW	3	c	33	85	30	8	5	–	–	9	9	3000	3	*
12	Renfrew (Abbots I.)	29·4	+18	–	0	m	33	85	28	4	5	–	–	10	10	2500	3	*
	Eskdalemuir ...	29·1	+6	N'W	3	c	29	65	19	8	5	3	1	4-6	7-8	1500	9	*
	Point of Ayre...	29·7	+8	N'W	1	bc	36	65	25	8	5	4	–	4-6	4-6	4000	0	1
13A	Tiree	27·3	+6	–	0	c	34	75	32	8	5	–	–	7-8	7-8	2800	0	3
13B	Stornoway ...	28·2	+6	SW	3	c	35	92	32	7	8	7	–	7-8	9+	2000	4	2
15	Dalwhinnie ...	29·9	+6	–	0	0	28	85	24	7	5	–	–	10	10	2500	8	*
	Aberdeen ...	27·2	+6	NW'N	3	c	34	75	28	7	5	–	–	9+	9+	1700	8	3
	Wick ...	27·3	+4	NNW	3	c	32	85	28	8	5	7	–	9	10	4500	8	*
16	Sumburgh ..	25·7	+10	NW	2	c	35	85	31	7	4	–	–	9+	9+	2000	4	4
17	Blacksod Point	29·5	0	S'W	3	c	42	65	31	8	4	–	–	7-8	7-8	4000	0	3
18	Malin Head ...	29·1	+6	–	0	c	41	65	30	8	4	–	–	7-8	7-8	5700	0	4
	Aldergrove ...	30·6	+12	–	0	c	34	92	32	8	5	–	–	9+	9+	3100	1	*
19	Birr Castle ...	30·5	+2	SSE	2	c	28	92	26	8	5	–	–	9	9	2500	1	*
20	Valentia Obsy.	30·2	+2	–	0	0	40	85	36	9	5	–	–	10	10	4000	1	0
	Roches Point	31·2	+6	NE	2	b	32	92	30	8	–	–	–	0	0	–	1	3

PAST 24 HOURS.

District	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)	Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
1	London (Kew)	41	30	20	–	–	6·4
	Croydon ...	41	26	21	Tr	–	6·6
	S. Farnborough	40	24	18	Tr	–	2·2
	Boscombe Down	40	25	16	Tr	–	0·6
	Thorney Island	43	28	22	–	–	*
	Lympne ...	40	27	24	–	–	5·5
	Manston ...	38	30	25	–	–	5·4
2	Shoeburyness...	41	29	24	–	–	5·5
	Felixstowe ...	39	30	27	–	–	7·8
	Gorleston ...	37	28	20	–	1	*
	Mildenhall ...	38	29	23	–	Tr	8·2
	Cranwell ...	38	29	26	–	–	8·0
3	Birmingham ...	38	28	22	Tr	–	2·7
	Upper Heyford	38	26	22	Tr	–	*
4	Ross-on-Wye	41	25	16	Tr	–	2·3
5	Hartland Point	44	38	35	Tr	–	1·9
	Bristol ...	43	27	15	–	–	3·0
	Portland Bill ...	46	30	*	–	–	*
	Plymouth ...	47	27	19	–	–	4·4
	The Lizard ...	49	37	*	Tr	–	3·0
	Scilly (St. Mary's)	50	42	*	1	–	4·9
	Guernsey ...						
6	Pembroke ...	45	34	*	–	–	2·1
7	Holyhead ...	42	33	28	–	–	*
	Chester (Sealand)	41	26	24	Tr	–	5·0
8	Manchester ...	39	24	17	–	–	*
10	Spurn Head ...	36	30	*	–	1	7·5
	Catterick ...	36	31	27	–	–	7·5
	Tynemouth ...	38	30	28	–	–	*
11	St. Abbs Head	36	34	*	–	–	*
	Leuchars ...	37	32	28	–	–	7·7
12	Renfrew (Abbots I.)	39	29	22	–	–	3·7
	Eskdalemuir ...	33	25	18	–	–	6·9
	Point of Ayre...	40	36	*	–	–	6·3
13A	Tiree	40	34	*	–	–	6·1
13B	Stornoway ...	36	32	*	0·3	–	2·4
15	Dalwhinnie ...	31	27	23	–	–	3·0
	Aberdeen ...	37	30	25	1	–	5·1
	Wick ...	37	31	30	0·5	0·6	*
16	Sumburgh ..	36	31	29	0·3	Tr	1·0
17	Blacksod Point	46	33	*	–	–	*
18	Malin Head ...	41	34		0·2	–	0·3
	Aldergrove ...	41	32	31	Tr	–	2·2
19	Birr Castle ...	45	26	23	–	–	1·5
20	Valentia Obsy.	50	38	35	Tr	–	
	Roches Point	48	32	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th Feb. ...18h. G.M.T. IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 14th Feb. ...07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 3-	10757	32787	9-	26755	30685	3-	02854	29525
115			87	88844	32587	57	02944	28387
203						5-	02838	28428
206 93	83855	61485	83	26855	28386	5-	02858	00028
210 86	10955	61685	86	02855	63427	8-	83748	27488
220								
230 83	10955	31485	8-	10856	30487	5-	02857	30317
245 80	01951	64684	87	26853	63584	50	00753	28303
260 13	01851	28314				50	01753	28313
278 84	02852	62516	80	02052	61425	5-	00863	28413
279 20	02854	29415	54	01862	24314	00	00790	28300
285			50	01853	32613			
288	05662	61413	54	05663	27415	50	05661	30301
575 5-	02867	32327	5-	02857	00027	5-	02855	00025
301 10	02741	64427	10	05561	30324	00	05690	30200
321 10	01854	63614	50	17561	60413	50	05662	27302
299			5-	02746	28426	50	01754	26504
292			40	01962	61414	50	00753	28403
310 --	01645	26515	--	01644	26414			
614 20	02674	30324	00	05690	30211	00	05690	26200

13h. G.M.T. 13th Feb. ...18h. G.M.T. IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 14th Feb. ...07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 86	01863	30514	4-	01964	30385	53	02866	32318
334 --	02645	04316						
340 80	27854	30484	10	02761	31316	00	00790	31200
136 26	01861	28502	4-	02765	27313	50	00761	27311
336 67	02754	02427	54	02754	04416			
350 2-	02764	60414	00	05690	26313	00	05690	60300
368 80	02866	30316	54	01864	32324	00	00790	30110
379			50	05651	30483	00	05690	28300
390 10	05663	39514	00	05690	27313	00	05590	20300
382 86	02855	63516	00	05690	30313	00	05690	25200
438 -8	01790	30303				50	00751	01401
430 84	02865	63525	40	05661	28483	00	00790	28410
409 23	01842	32583	5-	02957	30427	5-	02768	07228

13h. G.M.T. 13th Feb. ...18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 14th Feb. ...07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
53	02866	32127	5-	02967	32127
			--	02553	00014
04	05690	31201			
86	01753	27403			
57	02754	32327			
00	05690	60300	5-	05671	26302
50	00651	30101			
00	05690	28300	00	05690	30301
00	05590	27300			
03	05690	27201			
53	01674	08214			

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

§ Sea disturbance reported from Dungeness.

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

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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max.	Time	Min.	Time
Kew	cbc3y	c,bz3y	bz3y	0·2	17-20h	0·1	0-4h. 14th.
Croydon ...	d3bd3y	bc3c2	bc3mx				
Greenwich ...	cby	bc3by	bx				
Camden Square	bc	bc	*				
Kensington ...	bc	bc2	*				
Hampstead ...	bc	bcx	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	41	30	20	–	–	6·4	*	*
Croydon ...	41	26	21	Tr	–	6·6	*	*
Greenwich ...						4·2	42	70
Westminster ..	42	30	27	–	–		59	81
Regents Park ...	41	28	24	–	–		50	81
Camden Square	42	29	21	–	–	*	*	68
Kensington ...	42	29	24	–	–		54	78
Hampstead ...	41	26	22	–	–		*	

Page 1 BRITISH SECTION

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

SECRET

Sunday 15th February 1942

No 29305

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)	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)	29.6	+6	N'W	3	Zo	39	55	25	6	7	–	6	1	2-3	2500
	Croydon	29.2	+4	NW	3	zo	39	55	26	5	1	–	1	2-3	4-6	3000
	S. Farnborough	30.4	+6	NNW	3	Zo	40	55	24	6	1	–	1	Tr	1	2500
	Boscombe Down	31.1	+8	N'W	3	bc	37	55	22	7	1	–	1	2-3	4-6	3000
	Thorney Island	30.0	+2	NNW	4	c	42	45	23	7	1	–	5	Tr	9	4000
	Lympne	27.9	+6	NNW	3	Zo	38	75	31	6	1	3	2	1	9+	2200
	Manston	28.4	+12	NWN	5	Zo	37	75	29	6	5	7	1	4-6	4-6	6000
2	Shoeburyness	28.6	+14	NNW	3	c	39	65	29	7	–	3	–	0	7-8	–
	Felixstowe	28.0	+12	NW'N	4	c	38	75	29	7	7	–	–	9+	9+	5000
	Gorleston	28.1	+20	NNW	3	zo	37	85	32	6	8	–	–	7-8	7-8	2600
	Mildenhall	28.8	+18	NW'N	4	c	37	75	29	7	2	7	6	2-3	9	2500
	Cranwell	29.6	+12	NW	4	c/s	35	75	29	7	5	–	–	9+	9+	3500
3	Birmingham	31.1	+8	N	3	Zo	37	55	23	6	1	–	1	Tr	2-3	2500
	Upper Heyford	30.5	+10	NNW	2	Zo	37	65	26	6	–	3	1	0	2-3	–
4	Ross-on-Wye	31.0	+8	N	3	b	39	55	22	8	1	–	–	1	1	3500
5	Hartland Point	31.8	+8	NE	3	c	40	65	29	8	5	–	–	9+	9+	3500
	Bristol	31.6	+6	N	3	bc	39	55	24	8	1	–	8	1	4-6	4000
	Portland Bill	30.9	+4	N	2	c	41	85	36	8	1	4	–	4-6	7-8	4000
	Plymouth	31.9	+4	NNE	3	bc	42	65	32	8	1	–	–	4-6	4-6	3500
	The Lizard	31.8	+6	ENE	3	c	45	55	31	8	8	6	–	7-8	7-8	2500
	Scilly (St. Mary's)	31.8	+8	SE'S	1	c	45	65	34	8	5	–	–	9+	9+	1800
	Guernsey															
6	Pembroke	33.1	+20	NNE		c	42	65	30	8	5	–	–	9	9	2500
7	Holyhead	31.8	+12	–	0	o	40	65	30	8	5	–	–	10	10	4000
	Chester (Sealand)	31.5	+4	NNW	2	c	41	45	23	8	1	–	2	1	7-8	4000
8	Manchester	31.2	+6	NNE	1	zo	38	55	21	6	1	6	2	Tr	9+	4000
10	Spurn Head	29.1	+22	NNW	4	is	34	97	34	5	8	–	–	10	10	450
	Catterick	30.4	+4	NNW	3	c	39	55	26	7	5	3	5	7-8	9	3500
	Tynemouth	29.4	+14	NNW	5	c	38	45	16	6	8	–	–	9+	9+	2600
11	St. Abbs Head	29.7	+12	WNW	4	c	37	75	29	8	8	7	–	4-6	7-8	2500
	Leuchars	30.4	+10	W	3	c	39	55	25	7	5	7	2	Tr	7-8	3500
12	Renfrew (Abbots I.)	30.9	+4	NW'W	2	c	42	55	28	8	5	–	6	4-6	7-8	4500
	Eskdalemuir	31.0	+6	NW'N	2	c	36	55	21	8	1	3	5	1	7-8	2800
	Point of Ayre	31.5	+6	–	0	c	40	65	30	8	–	7	5	0	9+	–
13A	Tiree	28.7	+6	SSW	1	c	42	85	37	9	5	–	–	9+	9+	3500
13B	Stornoway	27.9	+2	S	4	c	43	85	36	8	5	5	–	7-8	9	2500
15	Dalwhinnie		+6	W	1	O	33	85	29	8	5	–	–	10	10	2500
	Aberdeen	29.6	+8	NW	3	c	37	65	27	8	5	9	–	Tr	7-8	3700
	Wick	28.4	+2	W	2	c	37	75	32	9	5	7	–	7-8	9+	4000
16	Sumburgh	26.7	+2	WSW	2	c	39	75	32	8	5	7	–	9	10	3000
17	Blacksod Point	30.2	0	S	3	c	44	75	37	8	–	7	–	0	10	–
18	Malin Head	30.2	+6	SW	1	c	42	75	35	8	9	8	–	4-6	7-8	5700
	Aldergrove	31.9	+6	SW'S	1	c	40	65	31	7	5	–	–	9+	9+	4000
19	Birr Castle	32.1	+6	S	1	c	44	55	30	8	7	–	–	7-8	7-8	2500
20	Valentia Obsy.	31.2	+4	SE'S	3	o	46	75	38	9	5	–	–	10	10	4000
	Roches Point	32.7	+4	SE	2	b	44	65	34	8	1	–	–	1	1	4000

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)	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)	31.3	+16	NNE	2	Zo	37	65	26	6	5	3	1	7-8	9+	2500	1	*
	Croydon	30.9	+14	NNW	3	m	35	75	27	4	4	3	–	4-6	7-8	4000	1	*
	S. Farnborough	31.9	+12	NW'N	1	Zo	37	65	26	5	–	7	–	0	7-8	–	1	*
	Boscombe Down	32.1	+10	NNW	2	Zo	34	65	23	6	–	–	1	0	0	–	3	*
	Thorney Island	31.8	+14	N'W	2	b	35	75	28	6	4	–	1	Tr	1	4000	1	*
	Lympne	30.2	+18	N'W	2	Zo	34	85	31	6	5	–	–	9	9	6000	1	§3
	Manston	30.3	+14	NNW	3	Zo	34	85	30	5	5	–	–	9+	9+	5000	1	*
2	Shoeburyness	30.6	+14	NNW	2	c	36	85	31	6	4	–	–	9+	9+	2800	1	*
	Felixstowe	30.3	+18	NW'N	3	Zo	36	85	30	6	5	–	–	9+	9+	5000	1	3
	Gorleston	29.4	+8	WNW	3	Zo	36	85	32	6	5	–	–	4-6	4-6	1600	6	3
	Mildenhall	30.8	+10	NW'W	2	Zo	35	85	32	6	5	7	–	9+	10	3000	1	*
	Cranwell	31.2	+10	NW	3	c	35	75	29	7	5	–	–	4-6	10	3000	4	*
3	Birmingham	32.5	+10	NW	3	m	34	65	23	4	–	5	1	0	2-3	–	1	*
	Upper Heyford	31.7	+16	NNW	2	Zo	34	75	27	6	4	3	2	1	4-6	6000	1	*
4	Ross-on-Wye	32.1	+10	NW'W	1	Zo	35	65	26	6	–	–	1	0	1	–	1	*
5	Hartland Point	32.7	+8	NNE	3	c	39	65	28	8	5	–	–	9	9	3000	0	4
	Bristol	32.7	+12	N	1	m	35	65	25	4	–	7	–	0	1	–	1	*
	Portland Bill	32.1	+10	NE	2	bc	35	85	29	8	4	–	–	4-6	4-6	4000	1	3
	Plymouth	33.4	+14	NE'N	2	Zo	39	85	33	6	5	–	–	Tr	Tr	5700	0	2
	The Lizard	32.3	+4	NE	2	c	41	65	32	8	8	2	–	7-8	10	1500	1	3
	Scilly (St. Mary's)	32.3	+6	–	0	c	43	75	36	8	5	–	–	9+	9+	1500	1	3
	Guernsey																	
6	Pembroke	33.1	+6	ESE	1	o	41	65	29	8	5	–	–	10	10	4000	1	1
7	Holyhead	32.6	+10	–	0	c	39	75	32	8	5	–	–	9+	9+	3500	1	2
	Chester (Sealand)	32.7	+10	NWN	1	Zo	32	65	22	6	5	–	3	Tr	2-3	4000	1	*
8	Manchester	32.5	+10	NW	3	Zo	32	75	26	5	4	4	–	1	2-3	4000	3	*
10	Spurn Head	30.8	+10	NW'N	3	iro	36	92	34	7	8	–	–	9	9	1500	1	4
	Catterick	32.6	+18	WNW	2	c	35	75	28	7	5	4	–	2-3	9	3500	0	*
	Tynemouth	31.4	+6	NNW	4	Zo	38	65	26	5	8	–	–	9	9	2500	1	4
11	St. Abbs Head	31.3	+6	WNW	3	bc	36	75	29	8	7	4	–	4-6	4-6	2500	3	3
	Leuchars	31.2	+6	W	1	bc	33	75	28	8	4	–	2	Tr	4-6	4000	0	*
12	Renfrew (Abbots I.)	32.0	+6	WSW	2	Zo	38	75	30	6	5	–	–	10	10	3500	3	*
	Eskdalemuir	32.4	+6	–	0	c	30	75		8	5	3	–	2-3	7-8	3000	9	*
	Point of Ayre	32.5	+6	–	0	c	39	65	29	8	–	7	–	0	10	–	0	0
13A	Tiree	29.1	+4	SSW	2	c	43	85	39	8	5	–	–	9+	9+	2500	0	3
13B	Stornoway	27.6	+6	SSW	4	c	43	85	38	8	5	7	–	4-6	7-8	1500	1	2
15	Dalwhinnie	31.8	+4	WSW	2	c	34	75	28	8	5	7	–	7-8	9+	2500	4	
	Aberdeen	30.8	+16	WNW	2	c	36	75	27	6	–	4	–	0	7-8	–	4	2
	Wick	28.8	+2	SW	3	c	37	85	31	8	3	7	–	9	9+	3000	1	*
16	Sumburgh	26.8	+6	SWW	4	c	42	85	38	8	5	7	–	9+	10	2500	4	3
17	Blacksod Point	29.6	0	SE	3	c	43	75	36	8	–	7	–	0	7-8	–	0	2
18	Malin Head	30.8	+6	SSW	3	c	41	75	34	8	9	•	•	9	9	5700	0	3
	Aldergrove	32.5	+6	SWS	1	c	38	65	28	8	5	–	–	9+	9+	4000	1	*
19	Birr Castle	31.9	+2	SSE	1	b	37	75	30	8	–	–	–	0	0	–	1	*
20	Valentia Obsy.	31.0	0	SE'S	2	c	44	75	37	9	5	–	–	9+	9+	4000	1	2
	Roches Point	32.6	+2	SE'S	2	b	41	65	30	8	5	–	–	1	1	4000	1	3

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)	bbcy zo	bcb,czo	cz	cz
	Croydon	bmbczoy	bczoybcz	bczfem	cm
	S. Farnborough	bcmoxbzo	bycbccz	czm	cm
	Boscombe Down	bmobbc	bmo	bm	bmx
	Thorney Island	bxcy	cbybmo	bmbcm	bmbcmx
	Lympne	bbcmo	czoc	bcam	bbcm
	Manston	bczoxmo	bccpsomo	bcam	psbc
2	Shoeburyness	bmocsoc	cbccmo	cm c	cbmc
	Felixstowe	bcmo	prbcmoc	cbcm	cm
	Gorleston	bcc	bczo	bccm	bcm
	Mildenhall	bczoc	ccmo	cbccmo	cm
	Cranwell	czoiso	c	cm	cmcm
3	Birmingham	fbbcz	bcz	bz	bfx
	Upper Heyford	bcmo	bcmobc	bm bm	bmm
4	Ross-on-Wye	b	by	bz	bmx
5	Hartland Point	yc	cy	cbc	bcc
	Bristol	bzobcy	bcybz	bz bf	bf
	Portland Bill	bcc	bcbc	bcbc	bcbc
	Plymouth	bmbcmo	bbcb	bm	bmx
	The Lizard	cy	c	bc	bcc
	Scilly (St. Mary's)	c	c	c	c
	Guernsey				
6	Pembroke	c	c	c	c
7	Holyhead	c	cy	cfgmc	c
	Chester (Sealand)	bbczoc	cb	bzmfx	bffx
8	Manchester	cmo	cbczo	bmx	bfmx
10	Spurn Head	cqiso	ciro	o	c
	Catterick	ccy	c	bm	bmc
	Tynemouth	bcc	cmo	cmb	bbcm
11	St. Abbs Head	c	cbc	bccoz	bc
	Leuchars	cxcbcy	bcybc	bcbcy	bcxbcm
12	Renfrew (Abbots I.)	cmbcy	bcyczo	cm	mc
	Eskdalemuir	cbcy	bcyc	comc	com
	Point of Ayre	bcc	cv	c	c
13A	Tiree	c	c	c	cbc
13B	Stornoway	c	c	c	c
15	Dalwhinnie	o	oc	*	co
	Aberdeen	cbc	bcczo	cz	cbcz
	Wick	o	c	cdm	cmdirc
16	Sumburgh	c	circ	ccmdd	mccdd
17	Blacksod Point	c	c	bc	c
18	Malin Head	c	c	bc	bc
	Aldergrove	c	c	c,m bbx	bxcx
19	Birr Castle	bc	bc	*	bc
20	Valentia Obsy.	c	c	bc	pr
	Roches Point	b	b	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 15th February, 1942.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light variable wind becoming southerly, mainly fine but dull at first in the east, cold, frost tonight and tomorrow morning, local fog near large towns.
5 S.W. England, 6 South Wales	Light S.E. to S. wind, fine, rather cold, night frost inland.
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 S. wind, fair, cold. Frost at night, fog at night in industrial areas.
13A W. Scotland ↓, 13B N.W. Scotland ↓	Moderate or fresh S.W. wind, strong locally on coasts, cloudy, occasional slight rain later. Average temperature.
14 Mid Scotland, 15 N.E. Scotland	Moderate S.W. wind, mainly cloudy, rather cold.
16 Orkneys and Shetlands, 17 N.W. Ireland ↓	AS 13.
18 N.E. Ireland ↓, 19 S.E. Ireland	Light S. wind, fair or fine, rather low temperature.
20 S.W. Ireland ↓	Freshening S. to S.E. wind. cloud increasing, occasional slight rain later. Average temperature

GENERAL INFERENCE

A large anticyclone centred over England is moving slowly east-southeast and pressure is relatively low to west and northwest of the British Isles. Weather will continue cold and dry in most districts but it will be comparatively mild in the extreme west and northwest with occasional slight rain. in those areas later.

FURTHER OUTLOOK

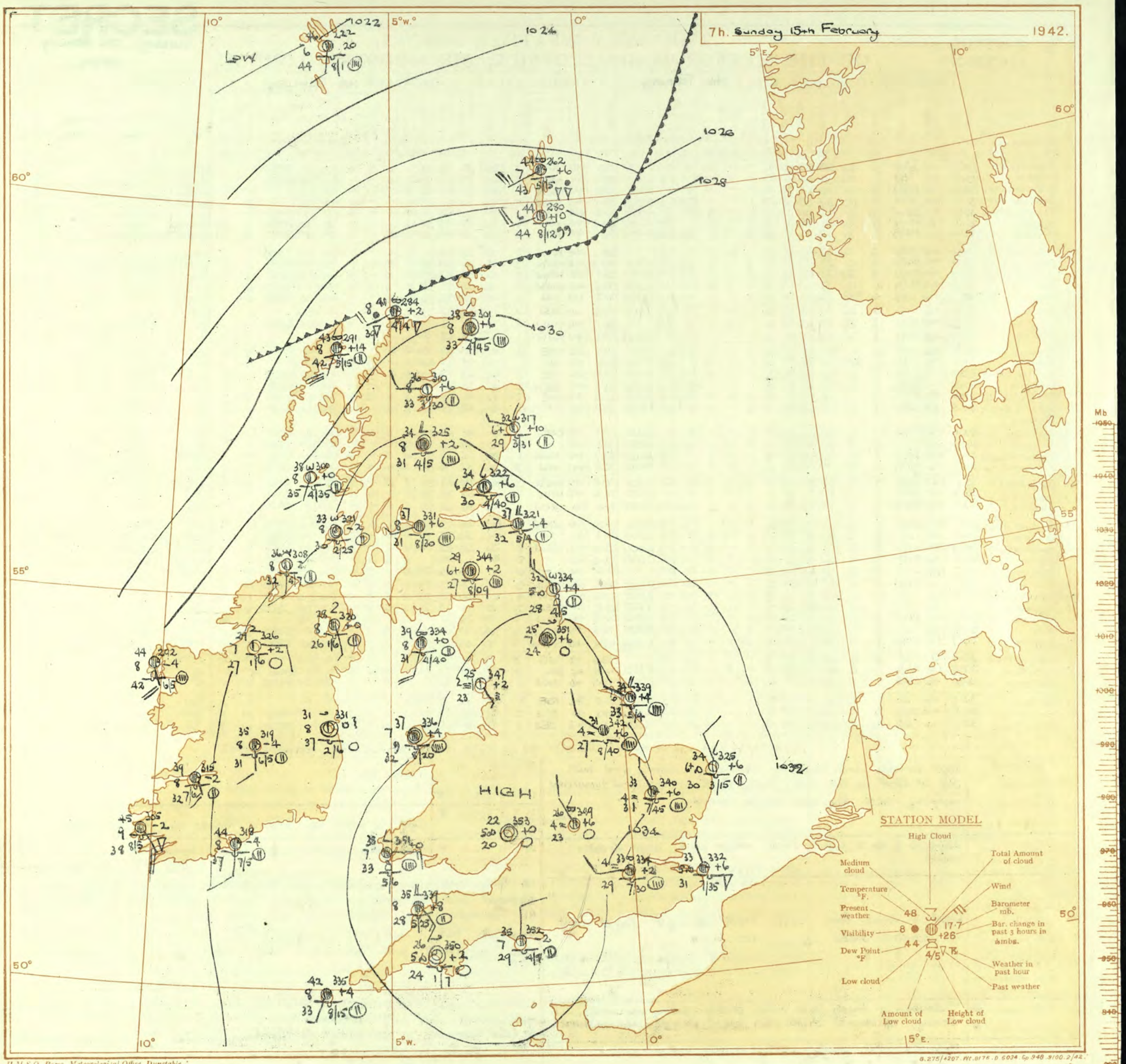
Cold and dry over most of the country. Cloudy and comparatively mild in the west and northwest.

↓ Gale warning in operation in districts 13(a &b). 17, 18 & 20. Time of issue 0605h on 15/2/42.

Forecasts issued at 10.30h G.M.T.

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

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



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

B.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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).

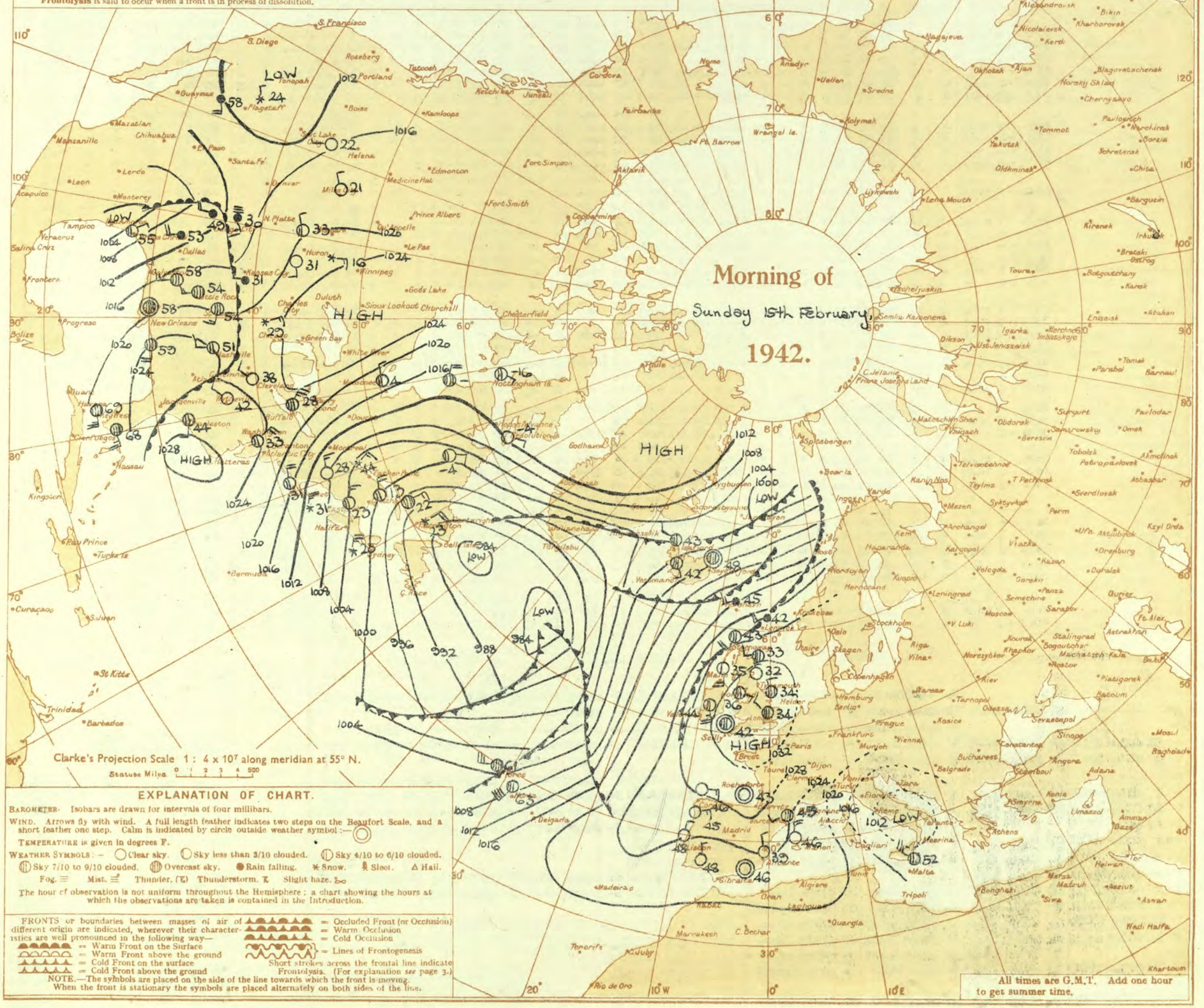
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Sunday 15th February 1942

No. 29305

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Croydon ...	217	33.3	+10	NNW	2	3	34	85	30	4	-	3	-	0	9+	-
	S. Farnborough	226	34.5	+10	W'N	1		32	85	29	5	5	-	-	9+	9+	3600
	Boscombe Down	417	34.8	+6	N	2		29	85	24	6	-	-	-	0	0	-
	Thorney Island	10	34.0	+4	N	1		30	92	27	6	5	-	-	4-6	4-6	4900
	Lympne ...	346	32.4	+6	NNW	3		33	85	30	6	5	-	-	10	10	5000
	Manston ...	154	32.7	+12	NNW	3		34	92	31	5	5	-	-	10	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	32.7	+10	NW'N	3		35	75	29	6	5	-	-	10	10	6000
	Gorleston ...	5	32.0	+6	NW'N	2		33	92	30	6	5	-	-	10	10	1500
	Mildenhall ...	19	33.5	+10	NW	2		33	92	31	6	5	-	-	9	9	4500
	Cranwell ...	240	33.7	+10	NW'N	3		34	75	28	5	5	-	-	10	10	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	34.6	+6	NW'N	2	3	28	92	26	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	34.2	+4	ENE	3	bc	38	65	28	8	5	-	-	4-6	4-6	2500
	Bristol ...	209	35.3	+8	-	0	bf	27	85	23	3	-	-	-	0	0	-
	Portland Bill ...	32	33.7	+4	N	2	bc	36	85	33	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	35.0	+6	—	0		27	85	25	5	-	-	-	0	0	-
	The Lizard ...	240	34.5	+8	NE	3	bc	37	75	30	7	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	33.9	+4	—	0	c	42	65	32	8	5	-	1	10	10	1800
	Guernsey ...	175															
6	Pembroke ...	142	34.7	+4	ESE	3	c	39	65	28	8	5	2	-	7-8	10	4000
7	Holyhead ...	26	34.0	+6	ESE	2	c	36	85	31	8	5	-	-	10	10	3500
	Chester (Sealand)	16	34.8	+6	SE'S	1	bf	27	97	25	2	-	-	-	0	0	-
8	Manchester ...	235	35.2	+8	—	0	3	25	97	25	4	-	-	-	0	0	-
10	Spurn Head ...	29	33.6	+12	NW	2	c	34	97	34	6	8	-	-	10	10	1500
	Catterick ...	175	34.7	+6	—	0	2	28	85	24	6	5	-	1	1	2-3	3500
	Tynemouth ...	108	33.3	+6	NNW	3	2	32	75	26	6	-	-	-	0	0	-
11	St. Abbs Head	280	32.0	+2	W	2	2	35	85	29	6	5	2	-	9	10	1500
	Leuchars ...	36	32.2	+2	W	2	bc	32	92	30	7	5	-	1	1	2-3	4000
12	Renfrew (Abbots I.)	19	32.8	+2	—	0	2	35	92	33	6	5	-	-	10	10	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	33.8	+4	SW'S	2	c	38	75	30	8	7	7	-	0	10	-
13A	Tiree	22	29.9	+6	SW'S	2	c	40	92	38	7	5	-	-	9+	9+	2500
13B	Stornoway ...	80	28.2	+6	SSW	4	c	43	92	41	7	5	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Wick ...	119	29.4	+4	SW	1	1	37	85	33	6	7	2	-	10	10	2300
16	Sumburgh ...	30	27.1	-2	SW	4	6	42	97	40	6	5	-	-	10	10	1200
17	Blacksod Point	18	29.9	-4	S'E	4	bc	44	92	42	8	4	-	-	2-3	2-3	4000
18	Malin Head ...	84	31.3	-2	S	3	b	35	75	28	8	5	-	-	1	1	5700
	Aldergrove ...	268	33.7	+2	-	0	b	31	85	28	7	5	-	-	1	1	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31.5	+2	SE'S	5	bc	44	75	37	8	5	-	-	4-6	4-6	4000
	Roches Point	22	33.7	+2	S'E	2	c	40	75	33	8	5	-	-	9	9	2500

OBSERVATIONS at 7 hr. G.M.T. 15th 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)	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)
London (Kew)	34.4	+4	NW'N	1	2	35	73	28	5	5	-	-	10	10	2500	1	*
Croydon ...	33.4	+2	W	2	3	33	85	29	4	5	7	-	9+	10	3000	1	*
S. Farnborough	34.0	+8	W	2	2	31	75	26	5	5	-	-	9+	9+	3000	3	*
Boscombe Down	35.4	+6	N	2	2	25	92	22	6	-	-	1	0	2-3	-	3	*
Thorney Island	34.2	+2	N'W	1	3	27	92	25	4	5	-	-	2-3	2-3	2500	3	*
Lympne ...	32.7	+2	NW'N	1	2	31	92	30	6	5	-	2	2-3	4-6	5500	3	§3
Manston ...	33.2	+6	N'W	2	2	33	92	31	5	5	-	-	9+	9+	3500	3	*
Shoeburyness ...	33.7	+4	NNW	2	c	33	92	31	7	5	-	-	10	10	4500	3	*
Felixstowe ...	33.2	+6	NW'N	2	2	34	92	32	6	5	-	-	9+	9+	4700	1	2
Gorleston ...	32.5	+6	NNW	2	3	34	85	30	6	5	4	-	2-3	4-6	1500	4	2
Mildenhall ...	34.0	+6	NW'N	1	3	33	97	31	4	5	-	-	9+	9+	4500	3	*
Cranwell ...	34.2	+6	NW'W	2	3	31	85	27	4	5	-	-	10	10	4000	4	*
Birmingham ...	35.3	+2	NW	1	bcf	27	92	25	2	-	-	6	0	4-6	-	3	*
Upper Heyford	34.9	+6	NW	2	3	26	92	23	4	-	7	-	0	4-6	-	3	*
Ross-on-Wye	35.3	0	-	0	2	22	97	20	5	-	-	-	0	0	-	3	*
Hartland Point	33.9	+2	SE	3	c	35	75	28	8	5	2	-	7-8	9+	2500	0	3
Bristol ...	35.5	+2	SSW	1	bcf	23	92	20	3	-	-	1	0	Tr	-	3	*
Portland Bill ...	35.2	-2	N	2	bc	35	85	29	7	5	-	-	4-6	4-6	2500	1	3
Plymouth ...	35.0	+2	-	0	2	26	92	24	5	5	-	1	Tr	1	5700	3	
The Lizard ...	34.1	+4	ENE	3	c	39	75	32	7	8	-	-	7-8	7-8	2000	0	3
Scilly (St. Mary's)	33.5	+4	SSW	1	c	42	65	23	8	5	-	-	10	10	1500	1	3
Guernsey ...																	
Pembroke ...	35.1	0	E	3	c	38	85	33	7	8	1	-	7-8	10	4000	1	1
Holyhead ...	33.6	+4		0	id	37	85	32	7	5	-	-	10	10	2000	1	2
Chester (Sealand)	34.6	+2	SE'S	1	bcf	25	97	22	3	5	-	-	2-3	2-3	4500	3	*
Manchester ...	35.3	+6	-	0	3	23	97	23	4	-	-	-	0	0	-	3	*
Spurn Head ...	33.9	+4	NW'N	2	c	34	92	33	6	5	2	-	7-8	10	1500	1	3
Catterick ...	35.1	+6	-	0	c	25	97	24	7	-	-	2	0	9	-	3	*
Tynemouth ...	33.4	+4	NW	3	2	32	85	28	5	2	3	-	4-6	4-6	2500	3	3
St. Abbs Head	32.1	+4	W	3	c	37	85	32	7	5	2	-	7-8	10	1500	3	2
Leuchars ...	32.2	+6	-	0	2	34	85	30	6	5	4	-	4-6	4-6	4000	3	*
Renfrew (Abbots I.)	33.1	+6	W'S	1	c	37	85	31	8	5	-	-	10	10	3000	1	*
Eskdalemuir ...	34.4	+2	-	0	0	29	92	27	6	5	-	-	10	10	900	9	*
Point of Ayre ...	33.4	0	S'W	4	c	39	75	31	8	5	7	-	4-6	10	4000	0	3
Tiree	30.0	0	SSW	2	bc	38	92	35	8	5	3	-	4-6	4-6	3500	0	3
Stornoway ...	29.1	+14	SSW	6	c	43	85	42	8	5	7	-	7-8	9+	1500	1	3
Dalwhinnie ...	30.5	+2	-	0	c	34	85	31	8	5	2	-	4-6	10	2500	4	*
Aberdeen ...	31.7	+10	W'N	1	bc	32	85	29	6	5	5	-	2-3	4-6	3100	4	2
Wick ...	30.1	+6	-	0	c	38	85	33	8	5	7	-	4-6	9+	4500	4	*
Sumburgh ...	28.0	+10	WSW	4	o/d	44	97	44	6	5	-	-	10	10	1200	1	4
Blacksod Point	29.2	+4	S'E	4	c	44	92	42	8	4	-	-	9	9	2500	0	4
Malin Head ...	30.8	+2	S	2	c	36	85	32	8	5	6	-	4-6	7-8	5700	0	3
Aldergrove ...	32.0	0	SSE	1	c	28	92	26	8	5	-	6	Tr	7-8	4000	0	*
Birr Castle ...	31.9	-4	S	2	c	35	85	31	8	5	-	-	9	9	2500	1	*
Valentia Obsy.	30.5	-2	SE	4	c	45	75	38	9	5	-	-	10	10	2500	1	3
Roches Point	31.8	-4	S	2	c	44	75	37	8	5	-	-	9+	9+	2500	1	3

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Night 18h–7h mm.	Sunshine 14th Hrs.
London (Kew)	41	35	30	-	-	8.9
Croydon ...	40	32	30	-	-	5.7
S. Farnborough	42	30	28	-	-	7.6
Boscombe Down	39	24	18	-	-	8.0
Thorney Island	42	26	21	-	-	*
Lympne ...	39	31	28	-	-	6.3
Manston ...	38	32	27	Tr	Tr	4.7
Shoeburyness ...	41	31	28	Tr	-	5.2
Felixstowe ...	40	33	30	Tr	-	4.3
Gorleston ...	38	33	31	1	-	*
Mildenhall ...	39	32	28	-	-	4.2
Cranwell ...	37	31	30	Tr	-	1.6
Birmingham ...	38	26	14	-	-	4.2
Upper Heyford	38	25	22	-	-	*
Ross-on-Wye	40	22	15	-	-	8.4
Hartland Point	42	35	33	-	-	0.1
Bristol ...	40	22		-	-	8.5
Portland Bill ...	42	42	*	-	-	*
Plymouth ...	42	39	21	-	-	8.6
The Lizard ...	45	36	*	Tr	-	1.7
Scilly (St. Mary's)	45	40	*	-	-	0.1
Guernsey ...						
Pembroke ...	42	35	*	-	-	0.0
Holyhead ...	40	35	34	-	Tr	*
Chester (Sealand)	41	25	21	-	-	6.5
Manchester ...	39	22	17	-	-	*
Spurn Head ...	37	30	*	1	0.1	1.1
Catterick ...	39	25	19	-	-	0.7
Tynemouth ...	39	31	27	-	-	*
St. Abbs Head	38	33	*	-	-	*
Leuchars ...	40	31	24	-	-	4.2
Renfrew (Abbots I.)	44	35	33	-	-	3.0
Eskdalemuir ...	37	24	18	-	-	3.9
Point of Ayre ...	41	35	*	-	-	0.1
Tiree	44	37	*	-	-	0.1
Stornoway ...	44	41	*	0.1	Tr	2.2
Dalwhinnie ...	35	28	23	-	-	0.0
Aberdeen ...	39	31	24	-	-	1.2
Wick ...	39	35	34	-	1	*
Sumburgh ...	42	41	40	Tr	1	0.0
Blacksod Point	46	40	*	-	-	*
Malin Head ...	44	*	31	-	-	0.0
Aldergrove ...	41	27	27	-	-	0.0
Birr Castle ...	45	30	25	-	-	6.6
Valentia Obsy.	46	43	39	-	Tr	
Roches Point	45	40	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 14th February				18h. G.M.T.				01h. G.M.T. 15th 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								50	01844	20424		5-	61746	23656	
115				52	02844	20426		52	02844	20467		57	81844	20487	
203								5-	61936	16526		54	02944	16565	
206 53	02965	22227		50	01862	24125		51	02864	24227		50	01863	24213	
210 5-	02967	20327		04	02990	18225		51	02864	18326		5-	02866	18126	
220															
230 5-	02967	00027		5-	02867	20127		5-	02748	00068		5-	02778	28228	
245 53	02961	24316		09	02990	23216		04	05690	23101		84	00761	23303	
260 53	01773	25115						5-	05666	23126		5-	05655	23125	
278 5-	02868	12128		5-	05668	12128		5-	02768	18228		53	02765	16227	
279 14-	02761	25216		54	01863	20114		5-	02768	18228		5-	05668	04128	
285 53	01853	30415		13	01852	02314									
288 5-	05567	29227		53	47365	28147		00	08490	18100		04	02790	20116	
575 5-	02868	20128		5-	02866	14426		00	00790	10200		50	00761	08203	
301 10	05661	29226		04	47390	30103		00	05690	08240		00	47290	12140	
321 5-	02764	61525		54	05667	29227		50	05564	27226		03	47390	25114	
299				5-	25748	30488		5-	01745	30315		5-	02755	26115	
292 5-	02767	28327		53	05666	26327		50	05661	26211		54	02763	26105	
310															
614 03	05590	30214		5-	05566	32117		50	08462	30112		54	05573	28104	

13h. G.M.T. 14th February				18h. G.M.T.				01h. G.M.T. 15th 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 5-	02968	00028		5-	02868	32128		5-	02868	02228		5-	02867	10227	
334 --	02763	07314		--	02644	02215									
340 10	01763	02304		04	05690	28102		00	08490	00000		00	08490	15101	
136 86	26666	28487		4-	05657	28487		5-	05676	28386		5-	05567	28327	
336				14	01752	04414									
350 5-	05675	32315		5-	05667	29217		5-	05668	24228		5-	08468	00028	
368 5-	02766	30316		54	00761	00001		03	05590	32101		54	05552	08103	
379 00	05690	32325		00	05690	30220		00	05590	04100		00	05590	30102	
390 01	05661	30416		5-	05667	30227		5-	08465	28225		5-	08468	28228	
382 50	05651	31201													
438 00	08490	31300										50	02557	32327	
430 10	05661	30302		40	05665	28315		50	05572	30112		5-	05568	32228	
409 5-	02868	04228		5-	02767	06127		5-	02868	12128		53	01764	10225	

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

§ Sea disturbance reported from Dungeness.

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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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time	Min. Time
Kew	bbcyz$_o$	bcb, cz$_o$	cz$_o$		
Croydon ...	bmbcz$_o$y	bcz$_o$ybcz	bczfm		
Greenwich ...	by	by	cm		
Camden Square	bc	bc	*		
Kensington ...	bczbc	bc	*	0.6	19–20h on 14th
Hampstead ...	bc	bc	c	0.1	3h on 15th

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	41	35	30	-	-	6.9	*	*
Croydon ...	40	32	30	-	-	5.7	*	*
Greenwich ...	41	34	28	-	-	6.7	54	72
Westminster ...	42	33	31	—		61	79	
Regents Park ...								
Camden Square	42	32	26	-	-	*	*	78
Kensington ...	42	34	30	-	-		65	74
Hampstead ...	39	32	28	-	—		*	81

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BRITISH SECTION

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

SECRET

Monday 16th February 1942

No. 25306

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)	Height of Base (feet) (15)
1	London (Kew)	35·3	0	N'E	2	z	39	65	30	5	5	-	-	10	10	4000
	Croydon	34·7	+2	NW'W	3	cf-	39	75	31	3	5	-	-	9+	9+	3500
	S. Farnborough	35·6	-2	N	2	z	37	65	29	5	5	-	-	9+	9+	4400
	Boscombe Down	35·4	-6	-	0	c	41	55	25	7	5	-	-	7-8	7-8	3000
	Thorney Island	36·6	+14	NNE	2	z	41	75	30	6	5	-	-	10	10	4000
	Lympne	34·0	+2	N	2	z	38	85	33	6	8	3	6	7-8	9+	2500
	Manston	34·6	+6	N	4	z	38	85	33	6	5	-	-	1	9+	3500
2	Shoeburyness	34·7	+2	N'W	3	c	39	75	33	6	5	3	-	7-8	9+	4500
	Felixstowe	34·6	+2	NNE	3	c	41	65	32	7	2	9	-	4-6	9+	2500
	Gorleston	34·6	+10	N'E	2	z	39	85	32	6	5	-	-	10	10	1800
	Mildenhall	35·2	0	NW'N	2	m	37	85	32	4	5	-	-	10	10	4000
	Cranwell	34·3	-2	NNW	2	z	40	65	28	5	5	-	-	4-6	4-6	5700
3	Birmingham	35·7	+2	-	0	F	34	75	28	1	-	-	-	10	10	<150
	Upper Heyford	35·5	0	N'W	1	z	39	55	26	6	2	-	2	2-3	4-6	4000
4	Ross-on-Wye	35·4	0	N'W	1	z	38	65	26	6	-	-	1	0	1	-
5	Hartland Point	34·4	-4	-	0	o	42	55	28	8	5	-	-	9+	9+	3200
	Bristol	35·8	-2	SE	1	z	39	65	30	5	-	-	-	0	0	-
	Portland Bill	35·3	+6	E	2	bc	41	85	39	7	5	-	-	4-6	4-6	2500
	Plymouth	35·2	+2	-	0	z	44	55	31	6	5	-	6	7-8	9+	4000
	The Lizard	34·2	-4	NE	3	c	40	75	32	8	8	2	-	9	10	2000
	Scilly (St. Mary's)	34·2	0	SE'E	3	c	42	65	32	8	5	-	-	10	10	1500
	Guernsey															
6	Pembroke	34·8	-4	SSE	3	c	42	75	34	7	8	6	-	7-8	10	2500
7	Holyhead	34·4	-2	SSE	3	c	41	75	33	8	5	-	-	10	10	4000
	Chester (Sealand)	35·5	-2	SE'E	1	m/f	39	55	26	4	5	-	-	9+	9+	4500
8	Manchester	35·8	-2	-	0	m/f	39	65	29	4	-	-	9	0	4-6	-
10	Spurn Head	35·3	+2	W'N	1	z	37	85	33	6	5	7	-	2-3	7-8	4000
	Catterick	35·7	0	NE	1	bc	43	55	28	7	-	3	-	0	4-6	-
	Tynemouth	35·4	+10	W	3	m	40	65	31	4	5	-	-	9+	9+	2600
11	St. Abbs Head	33·8	+8	WSW	3	c	39	75	32	8	5	7	-	7-8	9+	3500
	Leuchars	33·8	+8	W	1	z	43	65	31	6	-	7	-	0	1	-
12	Renfrew (Abbots I.)	34·0	+2	S'W	2	z	43	65	33	7	7	-	-	9	9	3000
	Eskdalemuir	34·9	0	-	0	c	33	85	28	7	5	-	-	10	10	2200
	Point of Ayre	34·6	+2	S'W	4	c	42	85	37	8	8	6	-	7-8	9+	2500
13A	Tiree	30·3	0	S'E	3	bc	44	85	39	8	1	-	-	2-3	2-3	3500
13B	Stornoway	30·4	-2	S	4	c	44	85	42	8	5	7	-	4-6	9+	2500
15	Dalwhinnie	34·0	+14	S	2	bc	38	75	30	8	2	-	-	4-6	4-6	4000
	Aberdeen	33·6	+8	-	0	c/pr	39	75	31	6	5	-	2	4-6	7-8	500
	Wick	32·0	+6	S	2	b	44	75	37	9	5	-	1	1	1	7200
16	Sumburgh	30·8	+10	W'S	4	c	44	97	43	7	5	3	-	9	9+	1500
17	Blacksod Point	29·6	+2	S'E	4	c	46	75	38	8	-	7	-	0	7-8	-
18	Malin Head	30·3	-2	SSW	3	bc	46	75	38	8	4	-	1	2-3	4-6	5700
	Aldergrove	33·2	-2	SE	1	bc	44	55	31	7	1	-	8	Tr	4-6	4000
19	Birr Castle	32·2	-2	SSE	2	c	43	75	36	8	5	-	-	7-8	7-8	4000
20	Valentia Obsy.	30·2	-2	SSE	4	c	48	75	40	8	5	-	-	10	10	4000
	Roches Point	32·3	0	S'E	3	c	46	75	38	8	5	-	-	9+	9+	2500

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)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	36·0	+10	NNE	2	z	39	65	27	5	5	-	-	10	10	4000	1	*
	Croydon	35·0	+6	N	2	m	37	75	29	4	5	-	-	4-6	9+	3500	1	*
	S. Farnborough	36·1	+8	NNE	1	z	38	55	26	5	5	-	-	4-6	4-6	5000	1	*
	Boscombe Down	36·0	+10	E'N	1	z	37	65	25	6	5	-	1	Tr	2-3	5700	1	*
	Thorney Island	35·5	+6	N	1	m	37	75	31	4	5	-	-	9+	9+	4000	1	*
	Lympne	34·8	+8	NNE	2	z	35	85	31	6	8	-	-	9	9	3500	1	§
	Manston	35·2	+6	N'E	3	z	33	92	31	6	2	-	-	2-3	2-3	2500	1	*
2	Shoeburyness	35·3	+6	N	3	bc	37	85	33	6	5	4	-	2-3	4-6	2500	1	*
	Felixstowe	35·6	+14	NE'N	2	c/pr	35	85	31	7	8	-	-	9	9	2300	1	2
	Gorleston	35·8	+12	ENE	3	bc	36	85	33	7	-	4	-	0	2-3	-	1	2
	Mildenhall	36·1	+6	N	1	cjp	36	92	33	6	8	-	-	9+	9+	1500	0	*
	Cranwell	36·6	+10	-	0	z	31	85	28	5	-	-	-	0	Tr	-	4	*
3	Birmingham	36·5	+4	-	0	F	32	75	26	1	-	-	-	10	10	<150	3	*
	Upper Heyford	36·1	+6	-	0	z	36	65	27	5	-	4	2	0	2-3	-	0	*
4	Ross-on-Wye	35·6	+4	ESE	1	fg	35	75	29	5	-	-	-	0	0	-	1	*
5	Hartland Point	34·8	+4	NNE	2	c	40	65	29	8	5	-	-	9+	9+	2500	0	2
	Bristol	36·2	+10	SE	1	b	33	75	27	4	-	-	9	0	1	-	1	*
	Portland Bill	35·0	+8	E	2	bc	40	85	36	7	5	-	-	4-6	4-6	2500	1	3
	Plymouth	35·4	+8	-	0	z	40	75	34	5	5	7	7	4-6	10	4200	0	2
	The Lizard	34·2	0	ESE	3	c	42	65	32	8	8	2	-	9	10	1500	0	3
	Scilly (St. Mary's)	34·3	+2	-	0	c	42	65	33	7	5	-	-	9+	9+	1500	1	2
	Guernsey																	
6	Pembroke	35·5	+4	ESE	3	c	41	65	35	8	5	-	-	9+	9+	2900	0	1
7	Holyhead	34·8	+6	S	1	c	40	75	32	8	5	-	-	10	10	4000	1	2
	Chester (Sealand)	36·2	+10	-	0	m	34	85	29	4	5	-	-	9	9	4500	1	*
8	Manchester	36·5	+14	-	0	m	33	75	27	4	-	-	-	0	0	-	3	*
10	Spurn Head	36·3	+12	N	1	bc	35	97	35	7	4	6	-	2-3	4-6	4000	0	3
	Catterick	37·1	+14	-	0	cf+	35	85	30	2	5	3	-	4-6	7-8	3500	4	*
	Tynemouth	36·7	+10	NW	1	z	39	75	32	5	5	-	-	9	9	2300	1	3
11	St. Abbs Head	34·8	0	SW	2	c	36	85	30	7	5	4	-	7-8	10	2500	0	2
	Leuchars	35·5	+16	-	0	z	36	85	31	6	5	-	-	7-8	7-8	4000	0	*
12	Renfrew (Abbots I.)	34·9	+8	S'E	3	m	39	75	32	4	5	-	-	10	10	2500	1	*
	Eskdalemuir	36·5	+10	-	0	c	33	85	29	6	5	-	-	10	10	1800	9	*
	Point of Ayre	35·3	+4	S'W	4	c	39	75	32	7	8	2	-	9	10	1500	0	3
13A	Tiree	31·1	+4	S	3	b	40	92	38	8	1	-	-	Tr	Tr	3500	0	4
13B	Stornoway	32·1	+8	SSW	2	bc	42	85	38	8	5	4	-	Tr	2-3	3500	1	2
15	Dalwhinnie	31·3	+4	S	3	b	34	75	28	8	1	-	-	1	1	4000	4	*
	Aberdeen	35·3	+6	S'E	1	bf+	38	85	34	3	-	-	-	0	0	-	4	2
	Wick	34·1	+10	-	0	b	38	85	34	9	-	-	-	0	0	-	1	*
16	Sumburgh	34·0	+18	SW	2	c	43	97	42	8	5	-	-	9+	9+	3500	1	4
17	Blacksod Point	29·4	0	SE	4	bc	46	75	38	8	4	-	-	4-6	4-6	5700	0	4
18	Malin Head	31·6	+6	S	3	bc	40	85	36	8	4	-	-	2-3	2-3	5700	0	3
	Aldergrove	34·0	+6	S'W	1	bc	36	85	32	8	5	4	-	2-3	2-3	5700	1	*
19	Birr Castle	32·3	+4	SSE	2	c	44	75	37	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	29·9	-2	SSE	4	c	46	75	38	9	5	2	-	9+	10	2500	1	3
	Roches Point	32·4	+2	S	4	c	46	75	38	8	5	-	-	9	9	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)	czfzz	cz	cz	cz
	Croydon	cmof	cfcz	cmcb	cmosh
	S. Farnborough	cmocm	cm.bc	bcz.fcm	bbccm
	Boscombe Down	bm	cbc		bcm
	Thorney Island	cmcm	cm	cm.bcm	bcm.cm.x
	Lympne	bccm	cm.z	cmoprops	cm
	Manston	cmopsh	cbcbm	bcpsz	cz.m
2	Shoeburyness	cm	cm.bcm	bcm.bm	bmocm
	Felixstowe	ph.cm	cbccpr.c	cbcbbcm	cm
	Gorleston	omcz	cbc	bccm.q	cz.c
	Mildenhall	cm	cmojp	cbcbm	cmox
	Cranwell	cmzz	bczz	b,cbcm	bmbm
3	Birmingham	bfF	F		
	Upper Heyford	bcmmoz	bcz.bc	bcm.cm	cmobmoc
4	Ross-on-Wye	bmfz	bz	bm	bmx
5	Hartland Point	cy	c	cb	b
	Bristol	bfmz	bz.z	bzmff	bffmx
	Portland Bill	bc	bc	bc	bc
	Plymouth	bmcmoy	cmoy	cm.bmf	cmbcm
	The Lizard	c	co	coc	co
	Scilly (St. Mary's)	c	c	c	c
	Guernsey				
6	Pembroke	c	c	cbcm	bc
7	Holyhead	cid.c	c	c	bmox
	Chester (Sealand)	b,cffx	cz	cmbcmbcf	bcbfbcf
8	Manchester	bmfxbc	bcfz	bmmox	bbcmox
10	Spurn Head	cm	bc	bc	c
	Catterick	c	ccm.cf	bf	bbcbf
	Tynemouth	cmffm	cm	cm.bcbff	bcff
11	St. Abbs Head	c	c	cbc	bbc
	Leuchars	bcm.bm	bm.cbcm	cm.c	cm.bm.x
12	Renfrew (Abbots I.)	cmbccm	cmojpm	cm.c	cbmx
	Eskdalemuir	om.c	ps.c	cm	cbcbx
	Point of Ayre	cir	cir.c	c	bcbbc
13A	Tiree	bc	b	b	bcc
13B	Stornoway	c	bcb	bcc	cb,c
15	Dalwhinnie	oc	cbc	**	bcc
	Aberdeen	bfbcz	bcz.bf	bfbz	bzbf+
	Wick	cbcb	b	b	b
16	Sumburgh	cm.c	c	c,b	b
17	Blacksod Point	c	bc	c	c
18	Malin Head	c	b	c	c
	Aldergrove	bc	bc	bcc	ccm
19	Birr Castle	bc	bc	*	bc
20	Valentia Obsy.	c	pr	r	r
	Roches Point	bc	pr	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 16th February 1942.

DISTRICTS.

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

Light or moderate east to southeast wind, fresh locally on coasts. Cloudy, slight snow showers locally. Frost at night and temperature near freezing during day.

~~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

Light or moderate southeast to south wind fresh or strong locally on coasts later. Bright intervals. Cold. Frost at night and temperature near freezing during day.

16 Orkneys and Shetlands

As 7 - 15

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

Moderate South wind, fresh or strong on coasts. Cloudy. Rather cold.

GENERAL INFERENCE

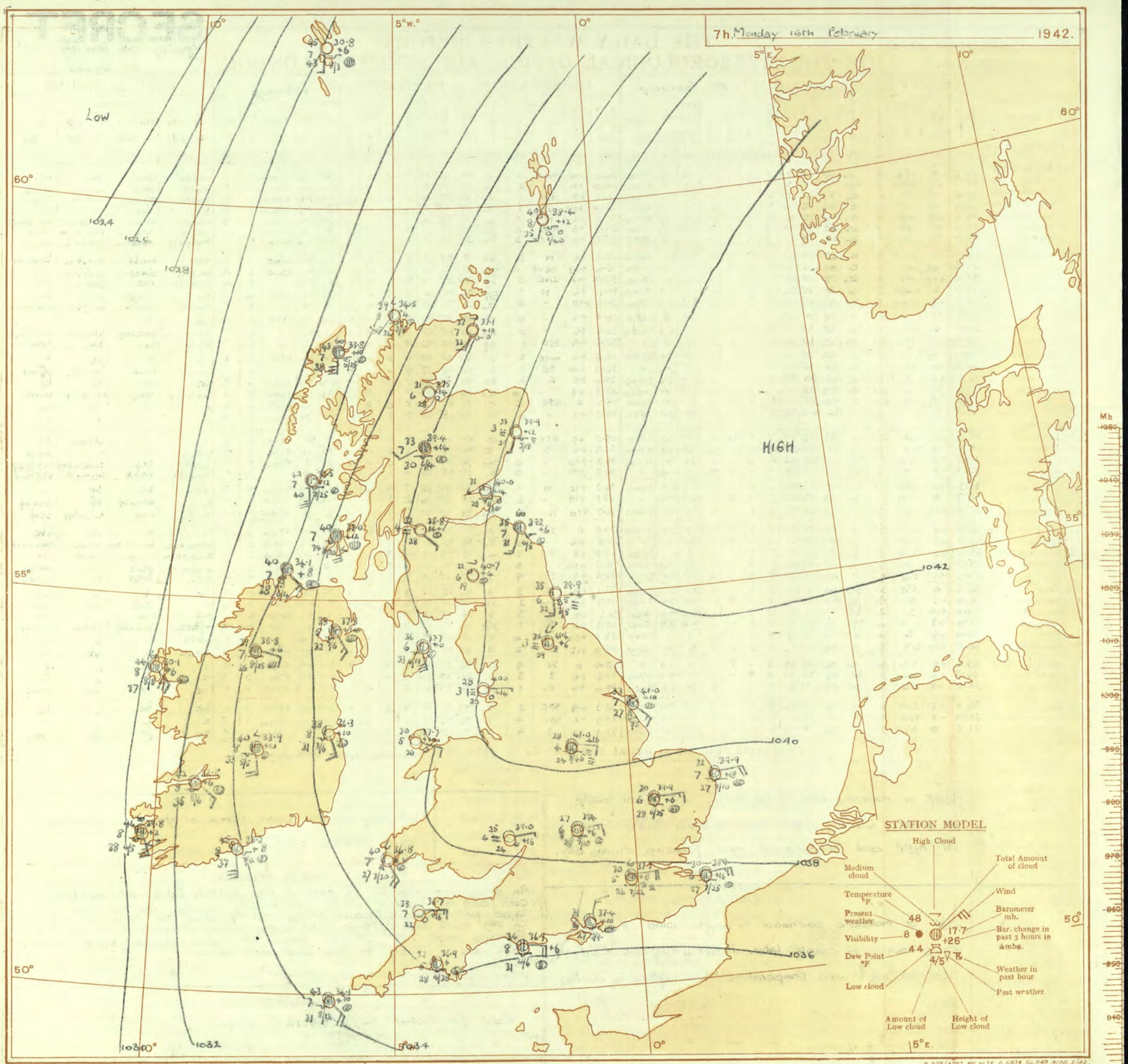
An anticyclone centred to East of the British Isles will maintain cold, east to southeast winds and mainly cloudy weather over a large part of Great Britain. There will however be fine periods in the North and extreme west. Day temperatures will be near the freezing point but will fall below at night. Slight snow showers will occur locally in the East and South.

FURTHER OUTLOOK

Cold for some days possibly a week.

Forecasts issued at

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



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

G.275/4207 Wt.8176. D.6034. Gp.948. 3100. 2/42.

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).

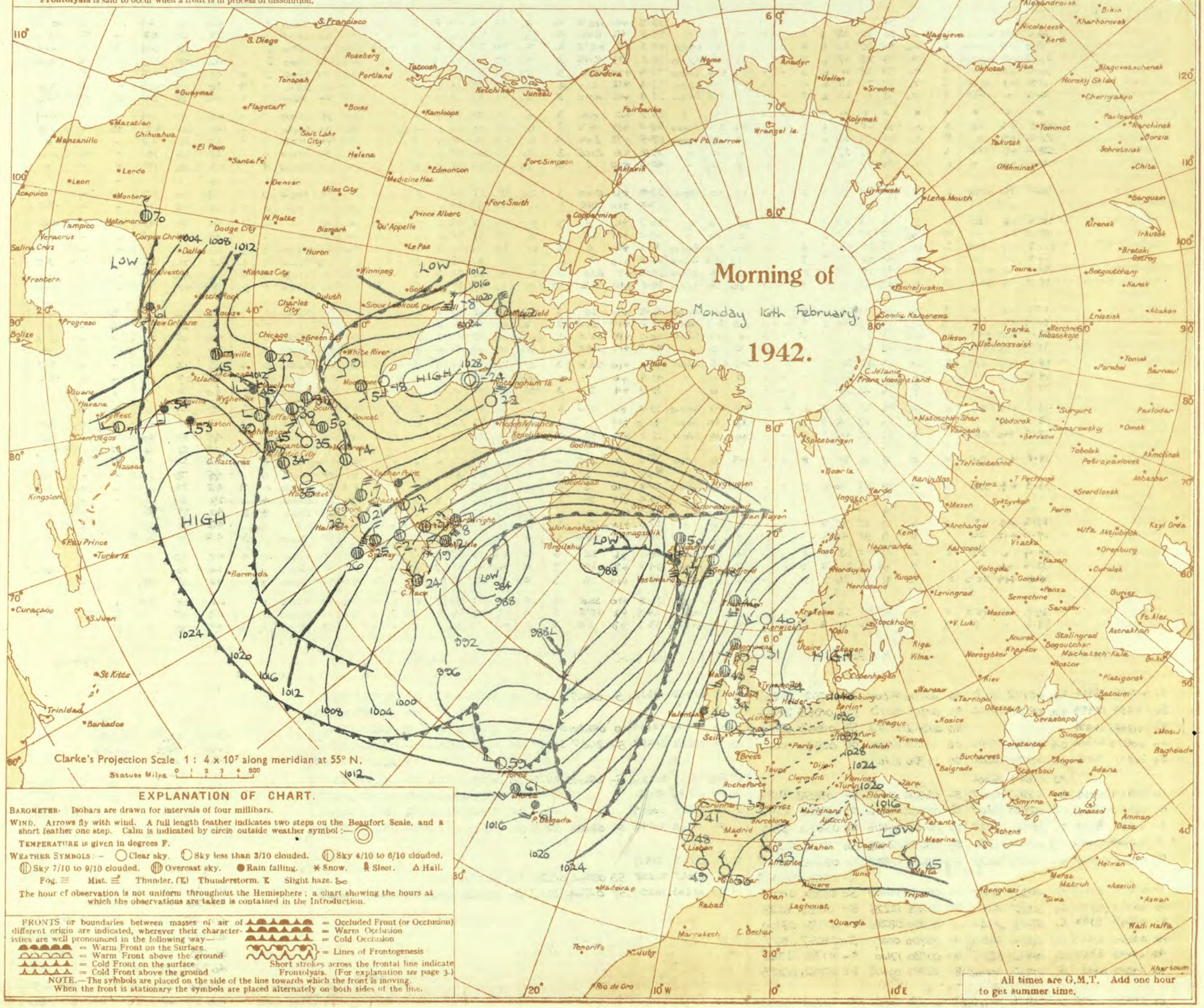
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 16th February 1942

No. 29306

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)	°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	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Croydon ...	217	36.5	+8	ENE	2	m	30	92	28	4	-	-	-	0	0	-
	S. Farnborough	226	37.0	+4	NE'E	2	z_0	34	85	30	6	5	-	-	9	9	1400
	Boscombe Down	417	36.8	+4	NE'N	2	z_0	33	85	27	6	5	-	-	10	10	3900
	Thorney Island	10	36.3	+2	-	0	z_0	34	85	31	6	5	-	-	4-6	4-6	2000
	Lympne ...	346	35.9	+2	ENE	2	z_0	32	75	25	6	4	-	-	7-8	7-8	3500
	Manston ...	154	36.3	0	NE	4	z_0	33	65	25	6	5	-	-	7-8	7-8	3000
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	37.5	+4	NE	3	z_0	32	65	21	6	5	-	-	4-6	4-6	3000
	Gorleston ...	5	37.6	+4	E	5	z_0	32	75	26	6	5	-	-	10	10	1000
	Mildenhall ...	19	38.4	+8	NE	2	z_0	28	97	27	5	-	-	-	0	0	-
	Cranwell ...	240	38.5	+6	-	0	m	30	97	30	4	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	37.5	+6	ENE	2	z_0	32	85	29	5	5	-	-	10	10	1300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	35.6	+8	SSE	2	b	34	75	28	7	-	-	-	0	0	-
	Bristol ...	203	37.5	+6	-	0	bf	25	97	23	3	-	-	-	0	0	-
	Portland Bill ...	32	35.7	+4	NE	3	bc	38	85	35	7	4	-	-	4-6	4-6	4000
	Plymouth ...	82	36.2	+6	E	1	m	32	92	29	4	5	-	-	7-8	7-8	2500
	The Lizard ...	240	34.1	0	SE'E	4	c	43	75	34	7	5	2	-	9	10	1500
	Scilly (St.Mary's)	163	33.5	-4	SE'E	3	c	43	65	31	7	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	35.7	+2	E	3	z_0	36	92	33	5	2	-	-	1	1	4000
7	Holyhead ...	26	36.4	+8	E	1	bc	34	85	30	7	5	-	-	2-3	2-3	4000
	Chester(Sealand)	16	38.1	+10	SSE	1	bft	28	83	25	2	5	-	-	1	1	4500
8	Manchester ...	235	38.4	+6	ESE	3	z_0	29	85	25	5	-	-	-	0	0	-
10	Spurn Head ...	29	38.9	+8	ESE	3	bc	34	85	31	7	1	-	-	2-3	2-3	2500
	Catterick ...	175	39.8	+10	-	0	f	27	92	25	3	-	-	-	0	0	-
	Tynemouth ...	108	38.8	+6	W	2	f	36	92	33	3	-	-	-	0	0	-
11	St. Abbs Head	280	38.3	+20	SW	2	bc	34	85	28	7	4	4	-	2-3	2-3	2500
	Leuchars ...	36	38.3	+12	-	0	c	36	85	32	7	5	-	-	10	10	3000
12	Renfrew (Abbots I.)	19	37.5	+10	ENE	1	c	36	92	34	7	5	-	-	10	10	3700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	37.2	+10	SSE	3	c	39	75	31	7	8	2	*	7-8	10	1500
13A	Tiree	22															
13B	Stornoway ...	80	33.3	+4	SSW	3	c	39	97	36	8	5	7	-	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	35.6	+4	S	3	b	37	85	33	8	-	-	-	0	0	-
16	Sumburgh ..	30	37.0	+12	SW	1	b	41	97	40	8	-	-	-	0	0	-
17	Blacksod Point	18	29.4	0	S'E	5	c	45	75	38	8	5	-	-	10	10	4000
18	Malin Head ...	84	32.6	+6	S	3	c	40	85	36	8	9	-	-	7-8	7-8	4000
	Aldergrove ...	268	35.8	+14	SE'S	2	c	41	85	36	7	5	-	-	10	10	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29.6	-2	SE'S	5	r_0	46	75	38	8	5	2	-	9	10	2500
	Roches Point	22	33.0	0	S	6	c	49	85	41	8	8	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 16th 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)	38.8	+10	NE'E	4	z_0	32	75	24	5	5	3	-	9	9+	2500	3	*
	Croydon ...	38.7	+8	ENE	4	c/s	30	85	26	5	6	7	-	9+	10	2200	3	*
	S. Farnborough	38.5	+8	NE'E	2	z_0	30	85	25	6	5	-	-	9+	9+	3500	3	*
	Boscombe Down	38.5	+14	ENE	3	z_0	27	97	26	6	5	-	-	2-3	2-3	3000	3	*
	Thorney Island	37.4	+10	NNE	3	z_0	31	85	27	6	5	-	-	9+	9+	1500	3	*
	Lympne ...	37.4	+12	E'N	4	z_0	29	75	22	6	5	-	-	9+	9+	900	4	§4
	Manston ...	38.4	+16	ENE	5	z_0	30	85	27	6	5	-	-	9+	9+	2500	3	*
2	Shoeburyness...	39.9	+12	NE	3	c	31	75	24	6	5	-	-	9+	9+	2500	3	*
	Felixstowe ...	39.5	+18	E'S	5	c	32	75	24	7	5	-	-	9+	9+	3000	1	4
	Gorleston ...	39.9	+18	ENE	4	c	32	85	27	7	5	-	-	9+	9+	1000	3	4
	Mildenhall ...	39.9	+6	ENE	3	z_0	30	92	28	6	5	-	-	9	9	2500	3	*
	Cranwell ...	40.5	+10	E	3	z_0	30	85	27	6	5	-	-	10	10	2800	4	*
3	Birmingham ...																	*
	Upper Heyford	39.4	+6	ENE	3	z_0	29	97	27	6	5	-	-	9+	9+	1000	3	*
4	Ross-on-Wye	39.0	+16	ENE	1	m	25	97	24	4	-	-	-	0	0	-	3	*
5	Hartland Point	36.7	+16	E	3	b	33	65	22	7	-	-	-	0	0	-	0	3
	Bristol ...	39.0	+14	SE	1	m/f	27	97	25	4	-	-	-	0	0	-	3	*
	Portland Bill ...	36.1	+6	E	4	bc	34	85	31	8	5	-	-	4-6	4-6	4000	1	3
	Plymouth ...	36.9	+10	-	0	z_0	32	85	28	5	5	-	-	4-6	4-6	3500	3	2
	The Lizard ...	34.3	+8	ESE	5	0	41	65	32	7	5	-	-	10	10	1500	0	4
	Scilly (St.Mary's)	34.1	+10	SE'E	4	c	43	65	31	7	5	-	-	10	10	1200	1	3
	Guernsey ...																	
6	Pembroke ...	36.8	+6	SE	5	bc	40	65	27	7	2	4	-	2-3	2-3	3000	1	3
7	Holyhead ...	37.7	+10	ESE	2	z_0	30	85	26	5	-	-	-	0	0	-	1	2
	Chester(Sealand)	40.2	+18	SE'E	1	bcft	27	85	23	3	5	-	-	2-3	2-3	1500	3	*
8	Manchester ...	40.7	+14	ESE	3	z_0	30	92	28	6	5	4	-	2-3	4-6	3000	3	*
10	Spurn Head ...	41.0	+10	SE'E	3	c	33	75	27	7	8	-	-	9+	9+	2500	0	3
	Catterick ...	41.4	+6	-	0	bcf	30	92	29	3	-	4	5	0	4-6	-	3	*
	Tynemouth ...	39.9	+4	S	3	bc/f	35	92	32	6	2	-	-	2-3	2-3	2500	3	3
11	St. Abbs Head	39.2	+6	SSW	3	c	35	85	31	7	5	7	-	4-6	7-8	2500	0	2
	Leuchars ...	40.0	+14	-	0	z_0	31	85	28	6	5	-	-	Tr	Tr	3000	3	*
12	Renfrew (Abbots I.)	38.8	+14	SE	1	m	32	85	28	4	-	-	-	0	0	-	3	*
	Eskdalemuir ...	40.7	+4	-	0	b	22	92	19	6	-	-	1	0	1	-	9	*
	Point of Ayre...	37.7	0	SSE	6	z_0	36	92	33	6	5	-	-	4-6	4-6	1800	0	4
13A	Tiree	33.5	+12	S	5	c	42	92	40	7	5	-	-	9+	9+	2500	0	5
13B	Stornoway ...	33.8	+10	S	6	c	43	85	38	7	5	7	-	7-8	9+	2500	1	4
15	Dalwhinnie ...	39.4	+14	SW	2	c	33	85	30	7	5	-	-	9	9	1500	4	*
	Aberdeen ...	39.9	+12	SSW	1	bcf	33	85	29	3	5	-	-	2-3	2-3	1800	4	2
	Wick ...	37.1	+10	SSW	3	b	37	85	32	7	-	-	-	0	1	-	1	*
16	Sumburgh ..	38.4	+12	SSW	3	b	40	85	35	8	7	-	-	Tr	Tr	4000	1	3
17	Blacksod Point	30.1	+6	SE	6	c	44	75	37	8	-	7	-	10	10	2500	0	4
18	Malin Head ...	34.1	+8	SE	3	c	40	92	38	7	9	-	-	9	9	1500	0	
	Aldergrove ...	37.3	+14	SE	3	z_0	38	85	32	8	5	-	-	9+	9+	4000	1	*
19	Birr Castle ...	33.9	+10	SSE	4	c	40	75	33	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	29.8	+2	SE'S	5	c	46	75	38	8	5	7	-	4-6	10	2500	1	3
	Roches Point	33.2	+8	S'E	6	c	45	75	38	8	5	-	-	9+	9+	1500	1	5

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 15th Hrs. (38)
1	London (Kew)	40	30	24	-	-	0.0
	Croydon ...	39	28	28	-	Tr	0.0
	S. Farnborough	41	28	24	-	-	0.2
	Boscombe Down	42	27	23	-	6	6.4
	Thorney Island	41	29	25	-	-	*
	Lympne ...	40	29	25	-	Tr	3.0
	Manston ...	40	30	27	Tr	Tr	1.6
2	Shoeburyness...	42	29	24	-	-	0.4
	Felixstowe ...	42	30	27	Tr	-	1.8
	Gorleston ...	39	31	29	-	-	*
	Mildenhall ...	38	26	16	-	Tr	0.0
	Cranwell ...	43	26	19	-	-	*
3	Birmingham ...	34			-		
	Upper Heyford	42	26	22	-	-	*
4	Ross-on-Wye	41	23	15	-	-	7.5
5	Hartland Point	42	32	29	-	-	0.0
	Bristol ...	41	24	13	-	-	4.9
	Portland Bill ...	41	32	*	-	-	*
	Plymouth ...	45	31	24	-	-	5.5
	The Lizard ...	43	40	*	-	-	0.0
	Scilly (St.Mary's)	43	40	*	-	-	0.0
	Guernsey ...						
6	Pembroke ...	42	32	*	Tr	-	0.0
7	Holyhead ...		28	22	Tr	-	*
	Chester(Sealand)	40	25	22	-	-	0.0
8	Manchester ...	40	27	19	-	-	*
10	Spurn Head ...	37	32	*	-	-	3.7
	Catterick ...	43	27	21	-	-	6.1
	Tynemouth ...	40	32	28	-	-	*
11	St. Abbs Head	39	32	*	-	-	*
	Leuchars ...	43	31	21	-	-	9.0
12	Renfrew (Abbots I.)	45	32	30	-	-	1.9
	Eskdalemuir ...	34	21	16	Tr	-	0.0
	Point of Ayre...	42	36	*	Tr	*	0.0
13A	Tiree	45	39	*	-	-	5.3
13B	Stornoway ...	45	38	*	-	-	1.6
15	Dalwhinnie ...	39	30	26	-	-	3.7
	Aberdeen ...	42	32	23	-	-	5.7
	Wick ...	46	41	32	-	-	*
16	Sumburgh ..	45	39	36	-	-	0.0
17	Blacksod Point	48	40	*	-	-	*
18	Malin Head ...	46	36		-	-	0.0
	Aldergrove ...	45	38	30	-	-	8.7
19	Birr Castle ...	46	38	29	*	-	1.2
20	Valentia Obsy.	48	45	43	Tr	Tr	*
	Roches Point	47	44	*	Tr.	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02775	18625	50	00772	17303	00	00790	14300	50	01762	15303
115	54	01854	18484	54	01853	16314	54	01851	16113	54	01853	20214
203	56	01944	16424				50	00942	12312	50	01943	12513
206	00	00990	22300	04	00990	00002	00	00890	00000	00	05690	00000
210	54	00971	20211	00	04890	04200	00	00790	16100			
220				53	01844	16304						
230	10	01864	00014	5-	02867	00017	5-	05668	00028	5-	05658	18128
245	00	00890	25100	03	02890	26107	5-	05666	18216	50	05653	23113
260	5-	02767	19227	5-	02766	18227	57	05665	18226	50	05673	19213
278	7-	01864	12214	73	02864	14315	5-	05658	43428	50	05653	12323
279	57	05566	06228	5-	08468	06128	50	05661	04221	00	05690	08100
285										5-	05628	08328
288	5-	05677	20127	5-	45267	00047	00	05590	00000	50	00751	00001
575	50	02761	12226	40	00851	14211	5-	51748	12228	5-	02758	10228
301	5-	45268	11148	5-	47168	04148	00	05590	08240	00	47390	08100
321	00	05690	31243	00	06690	24100	00	08490	00017	5-	05557	19117
299	40	05663	28213	50	05663	32213	00	00790	12100	5-	01754	12314
292	10	00851	29111	50	00862	00002	5-	05558	00008	50	05553	06123
310												
614	01	08490	00025	00	43390	00044	5-	45368	00048	5-	41467	08247

III	13h. G.M.T. 15th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	02968	14328	5-	02867	00027	00	00790	00020	00	00790	08302
334										--	04209	00028
340	00	01790	14104	00	05690	04101	00	47390	12240	03	08490	12206
136	5-	05668	30268	5-	21667	32157	00	00790	05210	5-	02754	08315
336										--	46209	04349
350	50	05665	30226	5-	05665	08225	50	05534	07314	5-	05657	06317
368	00	05590	12114				00	45390	00040	50	08455	06345
379	10	01753	00004				00	05590	04200	50	05662	06302
390	5-	41468	30348	5-	08468	31228	00	05590	03210	5-	05668	05318
382												
438	51	02548	32327									
430	5-	05667	32227	53	05564	01226	00	05590	06310			
409	50	02863	10227	57	02764	12227	5-	05668	07308	57	01661	08403

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

§ Sea disturbance reported from Dungeness.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 16th 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 24 hours ended 7h. Max. Time	Min. Time
Kew	$<$zfzz$_0$	cz$_0$	cz$_0$cz$_0$		
Croydon ...	cmof	cfcz	cmcbsh		
Greenwich ...	cm	c	cbxc		
Camden Square	0	c	*	0.7	3h 07 15th
Kensington ...	oc	cz	*		
Hampstead ...	obc	c	0	10.1	0-3h 16th

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	40	30	24	-	-	0.0	*	*
Croydon ...	39	28	28	-	Tr	0.0	*	*
Greenwich ...	40	29	22	-	-	0.0	68	71
Westminster ...	41	31	29	-			70	87
Regents Park ...	40	29	24	-	-		64	73
Camden Square	40	29	22	-	-	*	*	83
Kensington ...	41	30	24	-	-		65	67
Hampstead ...	39	27	23	-	-		*	83

SECRET

Page 1

BRITISH SECTION

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

Tuesday 17th February 1942

No. 29307

OBSERVATIONS at 13h. G.M.T. 16th 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)	40·2	+2	ENE	4	2o	35	55	22	6	5	-	-	7-8	7-8	4000
	Croydon ...	39·9	+4	ENE	4	c	33	75	25	6	1	-	-	7-8	7-8	2300
	S. Farnborough	40·5	+2	NE'E	4	2o	36	65	25	6	1	-	-	4-6	4-6	3000
	Boscombe Down	40·2	+6	E	4	2o	34	65	25	6	5	-	-	9	9	3000
	Thorney Island	39·4	-2	ENE	4	c	35	75	29	7	5	-	8	4-6	7-8	2500
	Lympne ...	38·9	+2	E	4	bc	32	65	22	6	1	-	-	2-3	2-3	3200
	Manston ...	40·0	-2	NE'E	5	2o	33	75	26	6	5	-	-	9	9	2500
2	Shoeburyness ...	40·7	0	ENE	4	c	34	75	28	6	5	-	-	9+	9+	2700
	Felixstowe ...	41·4	+2	ENE	4	2o	32	75	23	6	5	-	-	9	9	1800
	Gorleston ...	41·8	+2	NE'N	4	2o	33	85	29	6	5	-	-	9+	9+	1500
	Mildenhall ...	42·0	0	E	2	c	34	85	29	7	5	-	-	7-8	7-8	2800
	Cranwell ...	42·7	+6	ESE	4	c	33	92	30	7	5	-	-	9	9	2500
3	Birmingham ...	41·3	+6	ESE	3	2o	32	65	21	6	7	-	-	4-6	4-6	2500
	Upper Heyford	41·1	+6	E'N	4	2o	31	92	29	6	5	-	-	9+	9+	3000
4	Ross-on-Wye	40·7	0	ENE	2	c	32	75	25	6	5	-	-	7-8	7-8	3500
5	Hartland Point	38·2	+6	ESE	3	bc	35	65	24	8	1	-	-	2-3	2-3	2500
	Bristol ...	40·3	0	ENE	3	2o	35	75	28	6	5	-	-	4-6	4-6	2500
	Portland Bill ...	38·2	+6	E	5	c	35	92	33	8	4	7	-	7-8	10	4000
	Plymouth ...	38·2	+2	ESE	5	2o	37	85	32	7	5	-	-	9	9	3500
	The Lizard ...	36·1	+18	ESE	6	c	42	55	28	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	36·0	+10	ESE	4	c	42	65	32	7	5	-	-	9	9	1200
	Guernsey ...															
6	Pembroke ...	39·2	+10	SE'E	6	bc	37	75	30	6	2	-	-	4-6	4-6	4000
7	Holyhead ...	39·2	+4	SSW	2	2o	42	55	27	5	-	-	-	0	0	-
	Chester (Sealand)	42·0	+2	SE'S	3	2o	35	75	26	6	5	-	-	4-6	4-6	2500
8	Manchester ...	42·7	+6	ESE	3	c	33	65	24	6	5	-	-	9	9	4500
10	Spurn Head ...	42·8	0	SE	3	c	34	97	33	7	7	-	-	9	9	4000
	Catterick ...	44·1	+16	SE	2	2o	33	75	27	6	5	-	-	9+	9+	2800
	Tynemouth ...	43·2	+4	S	3	bc	35	75	26	6	8	-	-	4-6	4-6	1500
11	St. Abbs Head	41·6	[illegible]	SSW	3	bc	38	75	30	7	1	4	-	2-3	2-3	2500
	Leuchars ...	41·9	+10	SSE	1	2o	42	65	30	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	41·2	+2	S'W	1	2f	40	65	29	5	-	3	-	0	4-6	-
	Eskdalemuir ...	41·9	+4	S'E	2	bc	36	65	25	8	1	-	-	2-3	2-3	2800
	Point of Ayre ...	41·0	+4	S'E	5	bc	38	75	30	7	5	-	-	2-3	2-3	1800
13A	Tiree ...	36·8	+6	S	4	2o	42	92	40	6	5	-	-	9	9	1800
13B	Stornoway ...	37·3	+8	S	6	c	42	75	36	8	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	41·0	+6	SW	3	bc	35	75	26	7	4	-	6	1	4-6	1500
	Aberdeen ...	42·3	+2	S	3	2o	40	75	33	6	5	-	-	2-3	2-3	2300
	Wick ...	40·2	+10	SSW	2	b	43	65	33	8	-	-	2	0	1	-
16	Sumburgh ...	40·4	+4	S'W	4	b	43	75	37	8	5	-	-	Tr	Tr	4000
17	Blacksod Point	32·0	+6	SE	5	c	44	85	40	8	-	7	-	0	9+	-
18	Malin Head ...	36·9	+4	S	4	bc	43	75	36	6	-	-	2	0	2-3	-
	Aldergrove ...	39·1	+12	SSE	3	2o	42	75	34	6	5	-	-	9+	9+	2500
19	Birr Castle ...	36·3	+4	SSE	4	c	46	65	35	8	5	-	8	7-8	9	4000
20	Valentia Obsy.	32·4	+10	SE'S	5	c	46	65	35	8	5	2	-	9	10	4000
	Roches Point	35·8	+6	S'E	6	c	45	75	38	8	5	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 16th 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)	41·0	+6	NE'E	4	2o	32	65	20	6	5	-	-	9+	9+	2500	3	*
	Croydon ...	40·5	+2	NE	4	2o	31	75	24	5	5	-	-	10	10	2200	3	*
	S. Farnborough	40·7	+4	ENE	3	2o	32	75	24	5	4	3	-	2-3	4-6	3000	3	*
	Boscombe Down	40·5	0	NE'E	3	2o	30	75	24	5	-	-	-	0	0	-	3	*
	Thorney Island	39·9	0	NE	2	2o	32	75	24	6	-	7	8	0	2-3	-	3	*
	Lympne ...	39·0	+2	NNE	5	0/s	31	85	28	6	5	-	-	10	10	2800	3	4
	Manston ...	39·9	-2	NE'N	5	2o	33	85	26	6	5	-	-	10	10	2000	1	*
2	Shoeburyness ...	41·1	+2	N'E	3	c	32	75	26	6	5	-	-	10	10	1900	3	*
	Felixstowe ...	41·3	-2	NE	4	2o	31	75	23	6	5	-	-	10	10	1600	2	4
	Gorleston ...	41·9	0	ENE	5	2o	32	85	28	6	5	-	-	10	10	1500	3	4
	Mildenhall ...	42·5	+2	NE	4	0	32	75	25	7	5	-	-	10	10	2500	0	*
	Cranwell ...	43·2	+6	NE'E	3	2o	31	85	24	6	5	-	-	10	10	2500	4	*
3	Birmingham ...	41·8	+4	e	2	m	29	75	23	4	5	-	-	4-6	4-6	2500	3	*
	Upper Heyford	41·6	+6	NE'E	3	2o	29	75	23	6	-	-	1	0	Tr	-	3	*
4	Ross-on-Wye	41·3	+4	E'N	2	2o	30	75	23	6	5	-	-	Tr	Tr	2500	1	*
5	Hartland Point	39·4	+10	E	2	bc	33	65	22	7	4	-	-	4-6	4-6	2000	1	3
	Bristol ...	41·5	+20	E	1	2o	30	75	24	5	-	-	-	0	0	-	3	*
	Portland Bill ...	38·5	-2	ENE	4	bc	35	92	32	8	4	-	-	4-6	4-6	4000	1	4
	Plymouth ...	38·9	+10	ESE	4	2o	33	75	25	6	5	-	-	4-6	4-6	3500	0	4
	The Lizard ...	37·4	+6	ESE	6	c	38	75	31	7	8	2	-	7-8	9+	1500	0	
	Scilly (St. Mary's)	36·3	+4	SE'E	4	c	40	55	37	8	5	-	-	7-8	7-8	1500	1	4
	Guernsey ...																	
6	Pembroke ...	40·2	+10	ESE	5	c	36	75	30	6	8	-	-	7-8	7-8	3000	0	4
7	Holyhead ...	40·4	+6	SSW	2	b	36	65	26	7	5	-	-	Tr	Tr	4000	1	2
	Chester (Sealand)	42·3	+6	ESE	1	bcf	32	92	30	3	-	3	1	0	2-3	-	3	*
8	Manchester ...	43·3	+10	E	2	2o	31	85	26	5	-	-	-	0	0	-	3	*
10	Spurn Head ...	43·5	+10	ENE	3	c	34	85	30	6	8	-	-	9+	9+	4000	0	3
	Catterick ...	44·5	+4	-	0	2o	31	85	27	6	5	-	-	2-3	2-3	2500	3	*
	Tynemouth ...	43·7	+6	SSW	3	2o	34	85	28	6	8	-	-	4-6	4-6	2200	3	3
11	St. Abbs Head	42·5	+6	S	3	2o	34	85	28	6	4	4	-	1	2-3	2500	0	2
	Leuchars ...	42·9	+12	-	0	b	36	75	29	7	-	-	-	0	0	-	1	*
12	Renfrew (Abbots I.)	42·7	+8	-	0	bf	35	85	31	3	-	-	-	0	0	-	1	*
	Eskdalemuir ...	43·4	+8	-	0	b	27	75	23	7	-	-	-	0	0	-	9	*
	Point of Ayre ...	41·9	+4	S'E	5	2o	35	75	28	6	-	-	-	0	0	-	0	
13A	Tiree ...	38·6	+4	S'E	4	bc	42	97	42	7	5	-	-	4-6	4-6	2500	0	5
13B	Stornoway ...	38·5	+6	SSE	6	c	43	92	41	6	5	7	-	7-8	9+	2000	1	3
15	Dalwhinnie ...	41·8	+6	S	3	bc	31	85	27	6	5	-	-	2-3	4-6	1500	4	*
	Aberdeen ...	43·6	+10	S'W	2	bf	37	85	32	3	-	-	1	0	Tr	-	4	2
	Wick ...	41·1	+8	S	2	2o	38	85	34	6	-	-	2	0	9	-	1	*
16	Sumburgh ...	42·4	+10	SSW	2	bc	40	85	37	7	5	-	-	2-3	2-3	1200	1	3
17	Blacksod Point	34·6	+4	SE'S	5	c	45	75	38	7	-	7	-	0	9+	-	0	4
18	Malin Head ...	38·9	+6	S	3	bc	40	85	36	6	4	-	-	4-6	4-6	2500	0	3
	Aldergrove ...	40·6	+6	SE'S	3	2o	37	85	33	6	5	-	-	4-6	4-6	3000	1	*
19	Birr Castle ...	38·0	+4	SE	3	bc	38	75	31	8	5	-	-	4-6	4-6	4000	1	*
20	Valentia Obsy.	33·7	+8	SE	4	c	46	75	38	7	5	2	-	7-8	10	4000	1	4
	Roches Point	37·1	+0	S'E	6	bc	42	75	37	8	5	-	-	2-3	7-8	2500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 16th (39)	Weather. 13h.—18h. 16th (40)	Weather. 18h. 16th to 1h. 17th (41)	Weather. 1h.—7h. 17th (42)
1	London (Kew)	cbczoy	czoyczo	czo	czo
	Croydon ...	cmobczo	cmobczo	czocmo	cmoczo
	S. Farnborough	czox	bczobbc	bczoc	c
	Boscombe Down	bcmocmo	bczobzo	bcmocmo	cmo
	Thorney Island	cmoxcmo	bbcbmo	cmo	cmo
	Lympne ...	czocbczo	bccsomo	cmo	cmo
	Manston ...	bcmo	czomo	cpshmo	cpshzo
2	Shoeburyness ...	cmoccmo	cmc,cmo	cmo	cmo
	Felixstowe ...	cczo	czo	czo	cmoc
	Gorleston ...	czo	czoc	cmo	c
	Mildenhall ...	c	c	cmo	cmoc
	Cranwell ...	bcc	ccmo	cmo	cmo
3	Birmingham ...	fbbcz	bcz	bcc	cz
	Upper Heyford	c	bczobzo	bbccmo	cmo
4	Ross-on-Wye	bmcz	cbcbz	bzcz	c
5	Hartland Point	bcc	bc	b	bbcc
	Bristol ...	bmmocbc	bzo	pzocfmo	cmo
	Portland Bill ...	c	cbc	bc	co
	Plymouth ...	bmobcmo	cmobcmo	bmox	bmocmo
	The Lizard ...	bccy	c	c	c
	Scilly (St. Mary's)	c	cy	c	c
	Guernsey ...				
6	Pembroke ...	bcmo	cmo	bcmo	bczo
7	Holyhead ...	bmoxbmo	bmyb	bmox	b,c,bmox
	Chester (Sealand)	bcfczo	bcbmo	bcfbmofbm	bbcmcmo
8	Manchester ...	bccbc	bcb	bcmox	bcmox
10	Spurn Head ...	c	c	c	cph
	Catterick ...	cmmo	cmobcmo	cfcmb	bmcmcm
	Tynemouth ...	bcm	cbcmo	bccm	omo
11	St. Abbs Head	cbbc	bcmo	mfbcmo	mobcc
	Leuchars ...	bmoxbmo	bmob	bmocmox	cbcmox
12	Renfrew (Abbots I.)	bxfmo	bcbmbf	bfF	bfefx
	Eskdalemuir ...	bxbc	bcb	bbcc	cbcbx
	Point of Ayre ...	czox	bcb	bbeczo	cbcbzo
13A	Tiree ...	c	cbc	bc	bc
13B	Stornoway ...	c	c	b	c
15	Dalwhinnie ...	cbc	bc	* *	bc
	Aberdeen ...	bfzz.	bzobf		cffx
	Wick ...	b	bbcc	c,bmo	bbcmom
16	Sumburgh ...	cbcb	bbc	bcbmo	bmo
17	Blacksod Point	c	c	bc	bc
18	Malin Head ...	c	bc	b	b
	Aldergrove ...	bc	czbcmo	bcmobx	bxbcm
19	Birr Castle ...	bc	bc	* *	b
20	Valentia Obsy.	c	c	bc	bc
	Roches Point	bc	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 17th February 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate or fresh northeast wind. Cloudy with light local falls of snow. Some bright intervals later. Temperature near freezing point by day, hard frost in many places at night.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate easterly winds. Mainly fair with considerable bright periods but slight snow locally later. Cold with hard frost in many places at night.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable to moderate northeast winds, fair with some bright periods. Temperature near freezing point by day. Hard frost at night.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate south to southeast wind, fair with considerable bright periods. Some fog near large towns. Temperatures near freezing point by day. Hard frost in many places at night.
16 Orkneys and Shetlands	As 12-15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate south to southeast winds. Fair with considerable bright periods. Cold with local frost at night.

GENERAL INFERENCE

A ridge of high pressure which extends over the British Isles from an anticyclone centred to the East, is moving slowly northwards. Weather will be generally cold, with temperature near freezing point by day in most areas and with hard frost in many places at night. It will be mainly fair with considerable bright periods in the Northwest. In eastern England there will be much cloud and some light local falls of snow, but some bright intervals later.

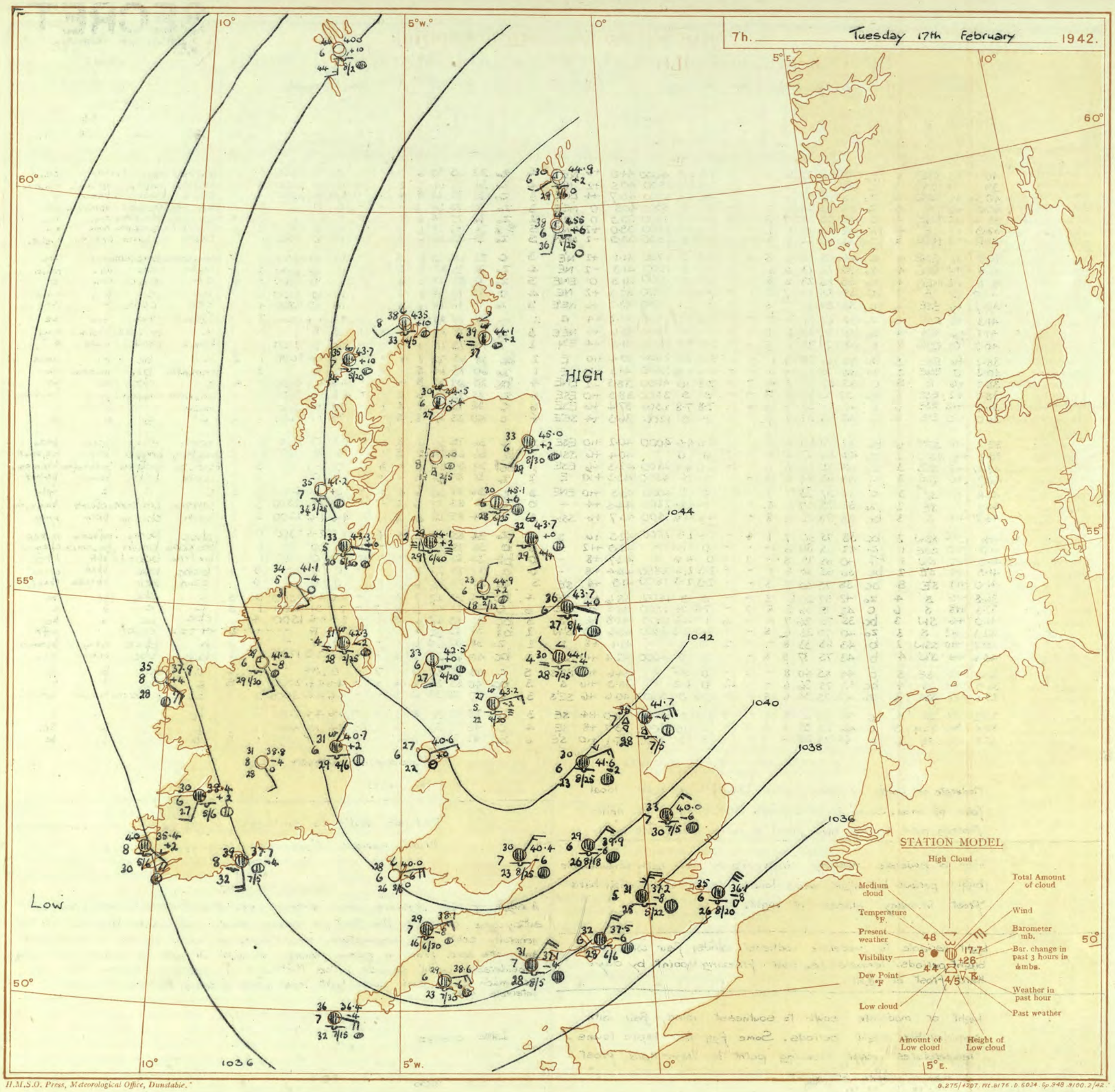
FURTHER OUTLOOK

Little change

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. Tuesday 17th February 1942.



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

8.275/4207. Wt.8176. D.6034. 6p.948. 9100. 2/42.

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).

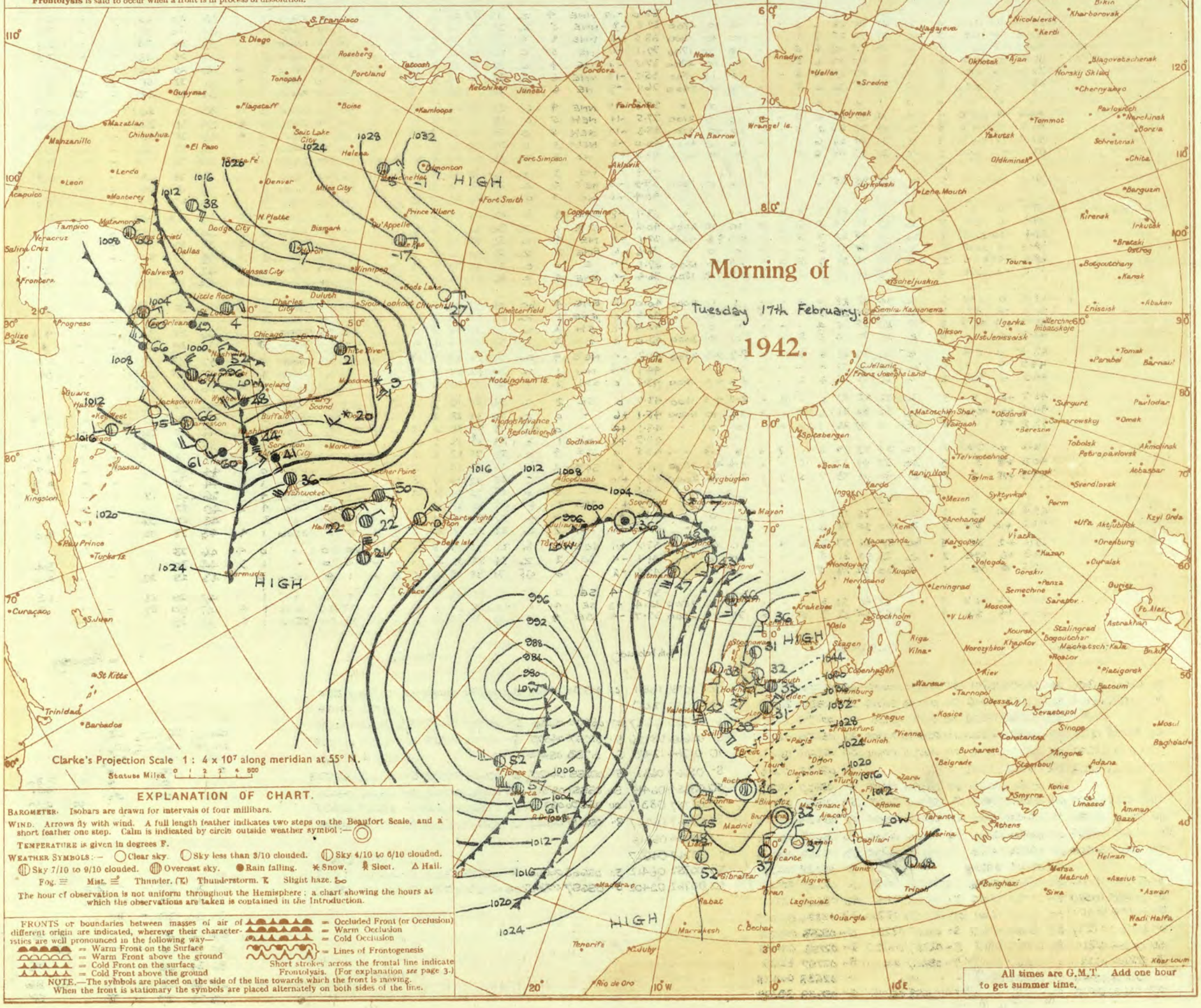
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Page 4.

BRITISH SECTION

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

Tuesday 17th February 1942

No. 29307

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	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon	217	39·3	-10	NNE	4	z₀	31	85	26	6	5	-	-	10	10	2700
	S. Farnborough	226	40·8	-4	NE	3	c	31	75	25	7	5	-	-	10	10	1600
	Boscombe Down	417	40·7	-2	NE'E	4	z₀	28	75	22	6	5	-	-	10	10	1700
	Thorney Island	10	39·7	-2	NNE	4	z₀	32	85	28	6	5	-	-	10	10	2800
	Lympne	346	38·1	-6	NE	5	z₀	32	85	29	6	5	-	-	10	10	1500
	Manston	154	38·8	-6	NE	5	z₀	34	65	26	6	8	-	-	10	10	2600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	40·8	-4	NE'E	4	z₀	32	75	26	5	5	-	-	10	10	2100
	Gorleston	5	41·3	-4	NE'E	6	z₀	33	92	30	5	5	-	-	10	10	450
	Mildenhall	19	42·2	-2	NE'E	4	z₀	31	92	30	6	5	-	-	10	10	2000
	Cranwell	240	43·1	-2	ENE	3	z₀	31	85	28	6	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	41·6	-6	NE	3	z₀	29	85	25	6	5	-	-	10	10	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	38·9	-10	E	4	b	29	75	22	7	-	-	-	0	0	-
	Bristol	20[illegible]	41·6	-6	E'N	2	z₀	29	85	24	5	5	-	-	10	10	2000
	Portland Bill	32	38·5	-10	ENE	4	bc	31	85	28	7	5	-	-	4-6	4-6	4000
	Plymouth	82	39·6	-2	ESE	3	z₀	29	85	25	5	-	-	-	0	0	-
	The Lizard	240	37·6	-4	ESE	5	c	38	75	31	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	37·5	-2	ESE	4	c	39	65	26	7	5	-	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	41·4	0	E'N	4	z₀	30	85	27	6	2	-	-	1	1	4000
7	Holyhead	26	41·2	-2	NE	2	z₀	27	85	23	5	-	-	-	0	0	-
	Chester (Sealand)	16	43·5	+4	SE'S	1	~/f	27	85	25	4	-	-	-	0	0	-
8	Manchester	235	43·7	-2	-	0	z₀	27	85	24	5	5	-	-	10	10	3000
10	Spurn Head	29	43·6	0	E'N	4	c	33	72	31	6	8	-	-	7-8	7-8	2500
	Catterick	175	44·8	-6	-	0	m	29	92	27	4	-	-	-	0	0	-
	Tynemouth	108	44·2	0	SW	2	m	32	75	26	4	2	-	-	4-6	4-6	1500
11	St. Abbs Head	280	43·7	+2	S	3	bc	32	75	23	6	5	4	-	2-3	4-6	1500
	Leuchars	36	44·6	+6	NNW	1	z₀	32	92	31	6	5	-	-	10	10	4000
12	Renfrew (Abbots I.)	19	43·9	+2	-	0	bF+	26	97	26	1	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	42·6	0	S'E	5	z₀	34	75	28	6	-	7	-	0	7-8	-
13A	Tiree	22	40·8	+8	S	3	bc	38	97	37	7	5	-	-	4-6	4-6	2500
13B	Stornoway	80	42·3	+18	S	5	c	40	92	38	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick	119	43·4	+10	S	1	z₀	37	85	33	5	-	-	-	0	0	-
16	Sumburgh	30	44·2	+10	S'W	3	z₀	40	92	28	6	-	-	-	0	0	-
17	Blacksod Point	18	37·1	+2	SE	4	bc	37	85	33	8	-	4	-	0	2-3	-
18	Malin Head	84	41·3	+6	SSE	2	z₀	33	92	31	5	-	-	-	0	0	*
	Aldergrove	268	42·5	0	SE	1	z₀	30	92	28	5	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	35·6	+6	SE'S	5	c	42	65	32	8	5	-	-	7-8	7-8	2500
	Roches Point	22	39·0	+6	S'E	5	c	42	65	32	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. G.M.T. 17th 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)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
London (Kew)	38·0	-10	NNE	4	z₀	32	75	26	6	5	-	-	10	10	2500	3	*	35	30	29	-	-	2·0
Croydon	37·2	-8	NNE	5	z₀	31	75	25	5	5	-	-	7-8	10	2200	3	*	34	30	29	-	-	3·0
S. Farnborough	38·5	-6	NNE	3	c	31	75	24	7	5	-	-	10	10	2000	3	*	36	30	28	-	-	3·2
Boscombe Down	39·1	-6	NE	3	c	29	92	27	7	5	-	-	10	10	1200	3	*	34	26	23	-	-	2·9
Thorney Island	37·5	-6	NE	4	z₀	32	85	28	6	5	-	-	9	10	4000	3	*	36	29	26	-	-	*
Lympne	35·2	-12	NNE	6	z₀	33	85	30	6	5	-	-	10	10	1200	3	§4	33	31	31	Tr	-	5·0
Manston	36·1	-8	NE	6	z₀	35	75	26	6	5	-	-	10	10	2000	3	*	34	31	29	-	Tr	1·8
Shoeburyness	37·3	-14	NNE	4	c	32	85	27	6	5	-	-	10	10	2000	3	*	35	31	30	-	-	0·3
Felixstowe	37·5	-14	NE'N	5	c	33	75	27	7	5	-	-	10	10	2300	0	4	34	31	30	-	-	0·3
Gorleston	38·3	-14	NE'N	5	c	34	92	33	7	5	-	-	10	10	1500	3	4	33	31	30	-	-	*
Mildenhall	40·0	-6	NE'N	3	c	33	92	30	7	5	-	-	9+	9+	2500	3	*	36	31	30	-	-	2·0
Cranwell	41·5	-8	NE	3	z₀	32	92	29	6	5	-	-	9+	9+	2200	4	*	34	31	30	-	-	2·7
Birmingham	40·9	-2	NE	3	z₀	30	75	24	4	5	-	-	10	10	1500	3	*	33	28	24	-	-	2·7
Upper Heyford	39·9	-6	NE'E	4	z₀	29	85	26	6	5	-	-	10	10	1800	3	*	33	28	24	-	-	*
Ross-on-Wye	40·4	-6	NE	3	o	30	75	23	7	5	-	-	10	10	2500	3	*	35	27	19	-	-	3·9
Hartland Point	38·1	-8	ENE	3	c	29	65	16	7	5	-	-	9	9	3000	3	3	36	26	25	-	-	8·3
Bristol	40·2	-6	ENE	2	z₀	30	92	28	6	5	-	-	10	10	2500	3	*	36	24	13	-	-	4·2
Portland Bill	37·1	-4	NE	4	c	31	85	28	7	5	-	-	10	10	2500	1	4	38	29	*	-	-	*
Plymouth	38·6	-6	ENE	3	z₀	29	92	23	6	5	-	-	9+	9+	3000	3	3	38	27	20	-	-	2·7
The Lizard	37·1	-4	E	4	c	35	75	29	7	8	2	-	9	10	1500	0	4	42	34	*	-	-	2·4
Scilly (St. Mary's)	36·4	-4	ESE	4	c	36	75	32	7	5	-	-	9+	9+	1500	0	4	44	35	*	-	-	3·1
Guernsey																							
Pembroke	40·0	-6	ENE	4	bc	28	92	26	6	-	4	-	2-3	2-3	4000	3	3	40	25	*	-	-	6·1
Holyhead	40·6	0	ENE	1	z₀	27	85	22	6	-	-	-	0	0	-	3	1		25	17	-	-	*
Chester (Sealand)	42·4	-2	E'N	2	m	27	85	25	4	5	-	-	7-8	7-8	3000	3	*	36	25	21	-	-	4·3
Manchester	43·0	0	E'N	3	bc	29	85	26	6	5	-	-	4-6	4-6	3000	3	*	36	24	18	-	-	*
Spurn Head	41·7	-4	NE'E	4	phr	35	75	29	7	8	-	-	9+	9+	2500	0	3	35	32	*	-	-	2·1
Catterick	44·1	-4	NW	1	m	30	92	28	4	5	1	-	9+	10	2500	3	*	34	28	21	-	-	1·1
Tynemouth	43·7	0	ESE	2	o	36	75	27	6	5	-	-	10	10	1500	3	3	36	32	30	-	-	*
St. Abbs Head	43·7	0	SSE	2	c	32	85	29	7	5	7	-	4-6	9+	1500	0	2	40	29	*	-	-	*
Leuchars	45·1	+6	-	0	z₀	30	92	28	6	5	-	-	9	9	3500	3	*	42	29	19	-	-	8·4
Renfrew (Abbots I.)	44·1	+2	-	0	cf	29	97	29	2	5	-	-	9	9	4000	3	*	41	25	20	-	-	3·3
Eskdalemuir	44·9	+2	N'E	1	b	23	85	18	6	5	-	-	1	1	1200	9	*	37	22	15	-	-	8·4
Point of Ayre	42·5	0	SSE	4	z₀	33	75	27	6	5	-	-	4-6	4-6	2000	0	4	33	32	*	-	-	4·0
Tiree	41·2	0	SE'S	2	bc	35	97	34	7	5	-	-	2-3	2-3	2500	0	3	44	34	*	-	-	0·7
Stornoway	43·7	+10	-	0	c	35	92	34	7	5	7	-	7-8	9+	2000	1	1	44	35	*	-	-	0·9
Dalwhinnie	44·5	0	-	0	b	25	75	19	8	2	-	-	1	1	2500	4	*	36	22	17	-	-	6·8
Aberdeen	44·9	+2	SSW	1	f	35	85	31	2	-	-	-	10	10	<150	4	2	40	32		-	-	
Wick	44·1	+2	-	0	m	29	92	27	4	-	3	4	6	4-6	-	3	*	43	29	26	-	-	*
Sumburgh	45·5	+6	S'W	2	z₀	38	92	36	6	5	3	-	Tr	1	2500	1	4	43	38	32	-	-	7·0
Blacksod Point	37·9	+4	SE'E	5	b	35	75	29	8	-	-	-	0	0	-	0	4	46	23	*	-	-	*
Malin Head	41·1	-4	SE	2	z₀	34	85	31	5	-	-	-	0	0	-	1	3	44	30		-	-	3·4
Aldergrove	42·3	-2	-	0	cjf	31	85	28	4	5	3	-	1	9	2500	3	*	43	28	23	-	-	2·6
Birr Castle	38·8	-4	SE	2	b	31	85	28	8	-	-	-	0	0	-	1	*	47	29	23	-	-	1·5
Valentia Obsy.	35·4	+2	SE	4	c	40	65	30	8	5	-	-	7-8	7-8	4000	1	4	47	40	37	-	-	*
Roches Point	37·7	-4	SSE	4	c	39	75	32	8	5	-	-	9+	9+	2500	1	5	46	39	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	50	05661	16301	00	05590	18201	00	00590	00000	00	05590	15103
115	54	01853	18314	54	01853	14314	54	01853	20314	54	01854	20214
203				52	52744	16528	00	00790	16400	00	00790	12300
206	00	01890	12113	00	05590	24210	00	05590	00000	03	05690	00004
210	00	00790	12200	00	05690	15102	00	05590	00000	50	05561	18101
220	52	05645	16528	52	05655	17528				51	05645	17218
230				5-	05666	12116	00	05590	00000	5-	05567	08217
245	50	00761	16201	04	05690	17201	5-	05547	20117	5-	05547	23117
260	00	05690	26100	00	05690	30100	00	08490	00000	07	08490	24124
278	5-	05655	43425	00	05690	12300	50	05654	10304	50	05652	09322
279	00	05690	30200	00	05690	04300	00	05690	04200	53	05663	05203
285				50	05644	08324				5-	05638	10428
288	5-	02766	18116	53	05654	00016	50	05551	00021	5-	47357	00027
575	5-	05667	10327	5-	01764	10414	50	05664	12114	50	05661	12211
301	04	05550	13402	00	08490	12200	00	47290	08200	53	05554	06345
321	5-	02767	11227	53	05662	06222	5-	05657	03228	5-	05658	02228
299	50	01754	10214	5-	01755	10115	5-	02757	08327	5-	02758	08428
292	5-	05666	14226	5-	05667	05227	5-	05647	00027	5-	02757	32127
310	--	01634	08414	--	05634	08414				--	02638	04428
614	07	05690	06225	5+	05667	06227	5-	05658	06228	5-	05658	39328

III	13h. G.M.T. 16th February $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th February $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	50	00751	10511	00	00790	12400	00	05690	00000	00	00790	08210
334	--	01652	12213							--	01772	00014
340	5-	02757	12227	00	05690	08260	5-	08457	04117	53	05656	04227
136	5-	05666	08226	5-	02757	04327	5-	02748	03348	5-	02758	04428
336	10	01764	12415	50	01753	08413				57	02754	10428
350	8-	05667	06327	5-	05655	04427	5-	05648	39528	5-	05648	35528
368	50	05654	06414	50	05551	08311	50	05545	07415	5-	05647	08428
379	5-	02757	08317	00	05690	06320	5-	05648	06428	5-	05647	04427
390	5-	05667	06427	8-	05667	04427	5-	08448	04428	5-	05658	35428
382	70	02754	06314									
438	8-	02747	04627							5-	03758	04528
430	50	00752	06412	50	05663	06503	5-	05558	03428	5-	02758	37528
409	10	00762	03402	5-	05657	07327	04	05690	07301	50	05651	03202

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 17th 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	cbcz₀y	cz₀ycz₀	cz₀
Croydon	cm₀bcz₀	cm₀bcz₀	cz₀cm₀
Greenwich	cbc	bcc	cis₀
Camden Square	c	bc	*
Kensington	cbc	bcc	*
Hampstead	obc	bcx	os

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 7–21h 16th
Min. <0·1 Time 0–1h 17th

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	35	30	23	-	-	2·0	*	*
Croydon	34	30	23	-	-	3·0	*	*
Greenwich	35	30	23	-	Tr			
Westminster	36	32	31	-			85	87
Regents Park	35	31	23	-	-		65	
Camden Square	35	31	28	-	-	*	*	96
Kensington	37	31	23	-	-		87	86
Hampstead	38	28	27	-	Tr		*	97

BRITISH SECTION

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

SECRET

Wednesday 18th February 1942

No. 29308

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)	35·0	−20	NE'N	4	o/s	35	75	27	6	5	–	–	10	10	1500
	Croydon ...	34·3	−18	NE'N	5	c/rs	34	75	28	6	5	–	–	9	10	600
	S. Farnborough	35·5	−22	NE'E	4	zo	34	75	29	6	5	–	–	10	10	1000
	Boscombe Down	36·0	−22	NE	4	0	33	75	27	7	5	–	–	10	10	2000
	Thorney Island	34·6	−24	NE	4	zo	35	92	32	6	5	–	–	10	10	2500
	Lympne ...	32·4	+14	NE'N	4	o/s	33	85	30	6	5	–	–	10	10	500
	Manston ...	33·6	−14	NE	5	zo	33	85	29	6	5	–	–	10	10	1200
2	Shoeburyness ...	34·6	−8	NNE	5	0	35	85	30	6	5	–	–	10	10	1500
	Felixstowe ...	35·0	−14	NE	5	zo	35	75	29	6	5	–	–	10	10	1300
	Gorleston ...	36·3	−14	NE'E	6	c	35	85	31	7	5	–	–	10	10	1800
	Mildenhall ...	36·9	−18	NE	5	c	37	75	30	8	5	–	–	9+	9+	1800
	Cranwell ...	39·5	−14	NNE	4	lso	35	85	32	5	5	–	–	9	9	2000
3	Birmingham ...	31·8	−6	NE	4	zo	33	85	29	5	5	2	–	7-8	10	1500
	Upper Heyford	37·2	−18	NE'N	5	0	34	85	29	7	5	–	–	10	10	2000
4	Ross-on-Wye	38·1	−20	NE	4	c	34	75	28	6	5	–	–	10	10	2500
5	Hartland Point	36·9	−12	NNE	3	c	33	75	26	7	5	–	–	9+	9+	2000
	Bristol ...	37·5	−20	NE'N	4	zo	33	85	30	6	5	–	–	10	10	2500
	Portland Bill ...	34·8	−12	NE	4	0	35	85	34	7	5	–	–	10	10	2500
	Plymouth ...	37·1	−10	NE	5	zo	33	85	29	6	5	–	–	9+	9+	3500
	The Lizard ...	35·7	−8	ENE	5	c	34	92	32	7	8	2	–	7-8	10	1500
	Scilly (St. Mary's)	36·2	−2	E'N	4	0	36	75	29	6	5	–	–	10	10	1500
	Guernsey ...															
6	Pembroke ...	39·9	0	E'N	4	bc	36	75	27	7	2	–	–	2-3	2-3	3000
7	Holyhead ...	41·0	−2	E	6	zo	36	85	31	6	8	–	–	1	1	3000
	Chester (Sealand)	41·1	−14	N'E	2	m	35	75	29	4	5	–	–	10	10	1500
8	Manchester ...	41·0	−2	NE'N	4	o/s	34	75	26	6	5	–	–	10	10	3000
10	Spurn Head ...	40·0	−14	NE'E	5	c/ps	36	85	32	7	8	–	–	9	9	2500
	Catterick ...	42·6	−10	NE'N	3	c/s	37	85	32	6	5	–	–	9+	9+	3500
	Tynemouth ...	43·0	−10	NE	4	c	36	85	30	8	5	–	–	9	9	2500
11	St. Abbs Head	44·0	+2	NE	2	c	36	85	32	8	5	7	–	4-6	7-8	2800
	Leuchars ...	44·6	−6	–	0	zo	36	85	31	6	5	–	–	9+	9+	2800
12	Renfrew (Abbots I.)	44·1	−2	ENE	3	bc/f	35	65	26	6	5	–	–	4-6	4-6	2500
	Eskdalemuir ...	44·0	−4	ENE	3	c	32	85	27	6	5	–	–	9+	9+	1100
	Point of Ayre ...	42·5	−4	SE	3	b	40	65	27	7	1	–	–	1	1	2000
13A	Tiree ...	41·2	0	SSE	3	b	41	85	36	7	1	–	–	Tr	Tr	3500
13B	Stornoway ...	42·7	−10	NE	1	bc	44	75	36	6	5	–	9	1	4-6	2500
15	Dalwhinnie ...	44·7	+2	S	3	b	32	75	26	8	2	–	–	Tr	Tr	2500
	Aberdeen ...	45·3	−2	ESE	1	0	37	85	32	7	5	–	–	10	10	2700
	Wick ...	45·0	0	S	3	c	38	75	33	7	5	–	4	7-8	9	3000
16	Sumburgh ...	45·8	+2	SSW	2	c	43	85	38	8	5	–	–	9	9	5000
17	Blacksod Point	38·0	−6	SE'E	5	bc	39	75	32	8	–	4	–	0	2-3	–
18	Malin Head ...	41·2	+4	SSE	3	zo	39	75	32	5	–	–	2	0	2-3	–
	Aldergrove ...	42·3	−4	SE'E	3	zo	35	75	28	6	5	–	–	7-8	7-8	2500
19	Birr Castle ...	33·2	−10	SE	3	bc	39	65	28	8	–	–	8	0	4-6	–
20	Valentia Obsy.	35·6	−2	ESE	4	c	42	65	31	7	5	–	–	9+	9+	4000
	Roches Point	38·2	−4	SE	5	c	40	75	33	8	5	–	–	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 17th 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)	34·1	−4	NE	5	zo	34	75	27	5	5	–	–	10	10	1500	3	*
	Croydon ...	33·2	−2	NNE	6	zo	33	85	30	5	5	–	–	10	10	800	3	*
	S. Farnborough	33·6	−10	NE	5	zo	35	75	27	6	5	–	–	10	10	1600	0	*
	Boscombe Down	34·3	−8	NE	4	0	34	75	28	7	5	–	–	10	10	1000	3	*
	Thorney Island	33·0	−10	NE'N	3	zo	35	75	28	6	2	8	–	7-8	10	1500	0	*
	Lympne ...	32·4	−2	NE	5	0	31	85	28	7	5	–	–	10	10	700	3	5
	Manston ...	33·1	+4	NE'E	5	sh	31	85	28	6	5	–	–	10	10	1500	3	*
2	Shoeburyness ...	34·2	+2	NE'N	6	sh	32	92	30	6	5	–	–	10	10	1300	3	*
	Felixstowe ...	34·4	+2	NE'E	5	zo	32	75	25	6	5	–	–	10	10	1800	0	4
	Gorleston ...	35·0	−6	ENE	6	0	32	85	28	6	5	–	–	10	10	1200	3	5
	Mildenhall ...	36·3	0	NE	5	0	33	92	30	7	5	–	–	10	10	1500	3	*
	Cranwell ...	37·9	−6	NE	5	zo	33	92	30	6	5	–	–	10	10	1800	4	*
3	Birmingham ...	36·7	−8	NE	3	zo	34	85	30	5	6	–	–	10	10	800	3	*
	Upper Heyford	35·8	−2	NE'N	5	0	33	85	29	7	5	–	–	10	10	1800	3	*
4	Ross-on-Wye	36·3	−18	NE	3	zo	35	75	28	6	5	–	–	10	10	2000	3	*
5	Hartland Point	34·1	−12	NE	5	c	35	75	28	7	5	–	–	9+	9+	2000	3	4
	Bristol ...	35·0	−10	NNE	4	zo	35	75	29	5	5	–	–	10	10	1600	3	*
	Portland Bill ...	32·9	−10	NE	4	0	35	85	32	7	5	–	–	10	10	2500	1	4
	Plymouth ...	34·6	−14	NE	4	zo	35	75	27	6	5	–	–	10	10	3500	3	3
	The Lizard ...	33·8	−6	NE'E	5	0	35	85	31	7	5	–	–	10	10	1500	0	5
	Scilly (St. Mary's)	34·1	−10	E'N	4	0	34	75	25	6	5	–	–	10	10	1500	0	4
	Guernsey ...																	
6	Pembroke ...	36·8	−4	NE'E	5	c	35	85	29	7	8	4	–	7-8	9	2500	0	3
7	Holyhead ...	37·9	−14	ENE	4	zo	36	75	29	5	5	–	–	2-3	2-3	3000	0	3
	Chester (Sealand)	39·2	−10	N	1	m	34	85	30	4	5	–	–	10	10	1500	3	*
8	Manchester ...	38·8	−10	NE	3	c	36	75	28	7	5	–	–	7-8	7-8	3000	3	*
10	Spurn Head ...	38·7	−2	NE	5	0	34	92	32	7	8	–	–	10	10	2500	0	4
	Catterick ...	41·0	−8	NNE	2	c/s	34	97	34	4	5	–	–	9+	10	900	1	*
	Tynemouth ...	41·1	−8	NE	4	c/pr	37	92	34	7	8	–	–	9+	9+	2200	3	4
11	St. Abbs Head	42·6	−4	N	2	c	36	85	33	8	5	2	–	9	10	3000	0	2
	Leuchars ...	43·3	−8	–	0	c	35	85	31	7	5	–	–	9+	9+	3500	1	*
12	Renfrew (Abbots I.)	42·8	−8	ENE	2	zo	36	75	29	5	5	–	–	10	10	2500	3	*
	Eskdalemuir ...	42·5	−4	NE	2	c	32	75	24	6	5	–	–	9+	9+	1100	3	*
	Point of Ayre ...	40·4	−10	E	4	b	37	75	30	7	2	–	–	1	1	2000	0	4
13A	Tiree ...	40·8	−2	SSE	1	bc	37	85	34	7	5	–	–	2-3	2-3	3500	0	3
13B	Stornoway ...	41·5	−4	ENE	2	c	40	85	35	7	5	4	1	2-3	7-8	2500	1	1
15	Dalwhinnie ...	43·9	−2	S	2	bc	27	75	21	8	2	3	–	1	4-6	2500	4	*
	Aberdeen ...	43·8	−8	WNW	2	c	35	85	29	6	5	3	–	9	9+	2100	4	2
	Wick ...	44·3	−2	SSE	2	bc	37	85	33	7	5	7	1	4-6	4-6	2200	1	*
16	Sumburgh ...	45·3	+2	–	0	zo	37	97	36	6	5	–	–	9	9	4000	1	3
17	Blacksod Point	39·4	0	SE'E	5	bc	39	75	32	7	–	4	–	0	2-3	–	0	
18	Malin Head ...	40·9	+2	SSE	3	bc	36	85	32	6	8	–	–	4-6	4-6	1500	0	3
	Aldergrove ...	41·4	−4	ESE	1	zo	33	75	28	6	5	–	–	7-8	7-8	2400	1	*
19	Birr Castle ...	37·4	−10	SE	2	c	37	75	30	8	5	1	–	7-8	10	1500	1	*
20	Valentia Obsy.	35·4	+4	ESE	4	c	39	65	28	8	5	–	–	7-8	7-8	4000	0	3
	Roches Point	36·9	−2	SE	5	c	38	75	31	8	5	–	–	7-8	7-8	2500	0	5

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)	cisoczo	cisoczo	cisozo	czo
	Croydon ...	cmors	s	cmorsoso	sohocmo
	S. Farnborough	cshm	cisozoc	cmo	isofosomoc
	Boscombe Down	c	c	c	c
	Thorney Island	cmo	cmo	cmo	crsmo
	Lympne ...	cmoidosh	cmodoc	cmo	cmo
	Manston ...	idosh,cmo	cmosh	cshmo	cmo
2	Shoeburyness ...	cmo	iroshmoc	cmo	cmo
	Felixstowe ...	sohoo	omoshoo	cmo	cmo
	Gorleston ...	c	cq	czo	c
	Mildenhall ...	c	c	c	ciso
	Cranwell ...	ccciso	ccmo	cmoiso	cmoiso
3	Birmingham ...	coiso	oz	o	oc
	Upper Heyford	cisomoc	c	cfosocmo	cmofosomo
4	Ross-on-Wye	c	c	czoc	c
5	Hartland Point	c	c	c	c
	Bristol ...	cmo	cmo	czomo,cmo	cshmo
	Portland Bill ...	o	o	o	o
	Plymouth ...	cmo	cmo	cmo	cmo
	The Lizard ...	c	co	c	oc
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	bxmob	c	bc	c
7	Holyhead ...	bmoxbmo	bcmo	b,cmo	bmo
	Chester (Sealand)	cifbmom	omfczo	cmbcmbcc	cbccmo
8	Manchester ...	cmoso	cmo	bcc	bc
10	Spurn Head ...	cps	o	o	c
	Catterick ...	cs	cmosoprm	cncmo	bcmocmo
	Tynemouth ...	oc	cpso	cpoc	c
11	St. Abbs Head	c	c	cfoc	cifo
	Leuchars ...	cmoxcmo	cmobccifomoc		DDm
12	Renfrew (Abbots I.)	bfbcmo	bxcmo	cfcmo	cmoifo
	Eskdalemuir ...	bxcmo	cmo	bccpso	psobc
	Point of Ayre ...	cbcc	cbcb	b	bccbc
13A	Tiree ...	bc	bbc	bbcc	bcc
13B	Stornoway ...	cbc	bcc	c	c
15	Dalwhinnie ...	bc	bcc		bcc
	Aberdeen ...	ffc	cbczo	czoifo	cmoifo
	Wick ...	bcmoc	cbc	cmofocdoc	cmo
16	Sumburgh ...	bc	cbc	cmo	o
17	Blacksod Point	bc	bc	b	c
18	Malin Head ...	bc	bc	c	c
	Aldergrove ...	bczo	bczo	czobccmo	c
19	Birr Castle ...	bc	bc		
20	Valentia Obsy.	c	bc	c	c
	Roches Point	bc	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 18th February 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate northeast winds; dull; slight local snow flurries; temperature persistently near freezing point.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate easterly winds; cloudy or dull; cold with night frost in most places.
9 N. Midlands ... 10 N.E. England	As 1–4
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	Light variable to easterly wind; cloudy or dull; some slight rain or drizzle chiefly in the East; cold but temperature above freezing.
16 Orkneys and Shetlands	As 11–15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate southeast wind, fresh at times on coast; cloudy; cold.

GENERAL INFERENCE

A large and intense anticyclone centred near the Faeroes covers the British Isles.

Weather will continue cold and mainly dull with very slight local snow showers occasionally in Eastern England and Midlands and some drizzle in Scotland.

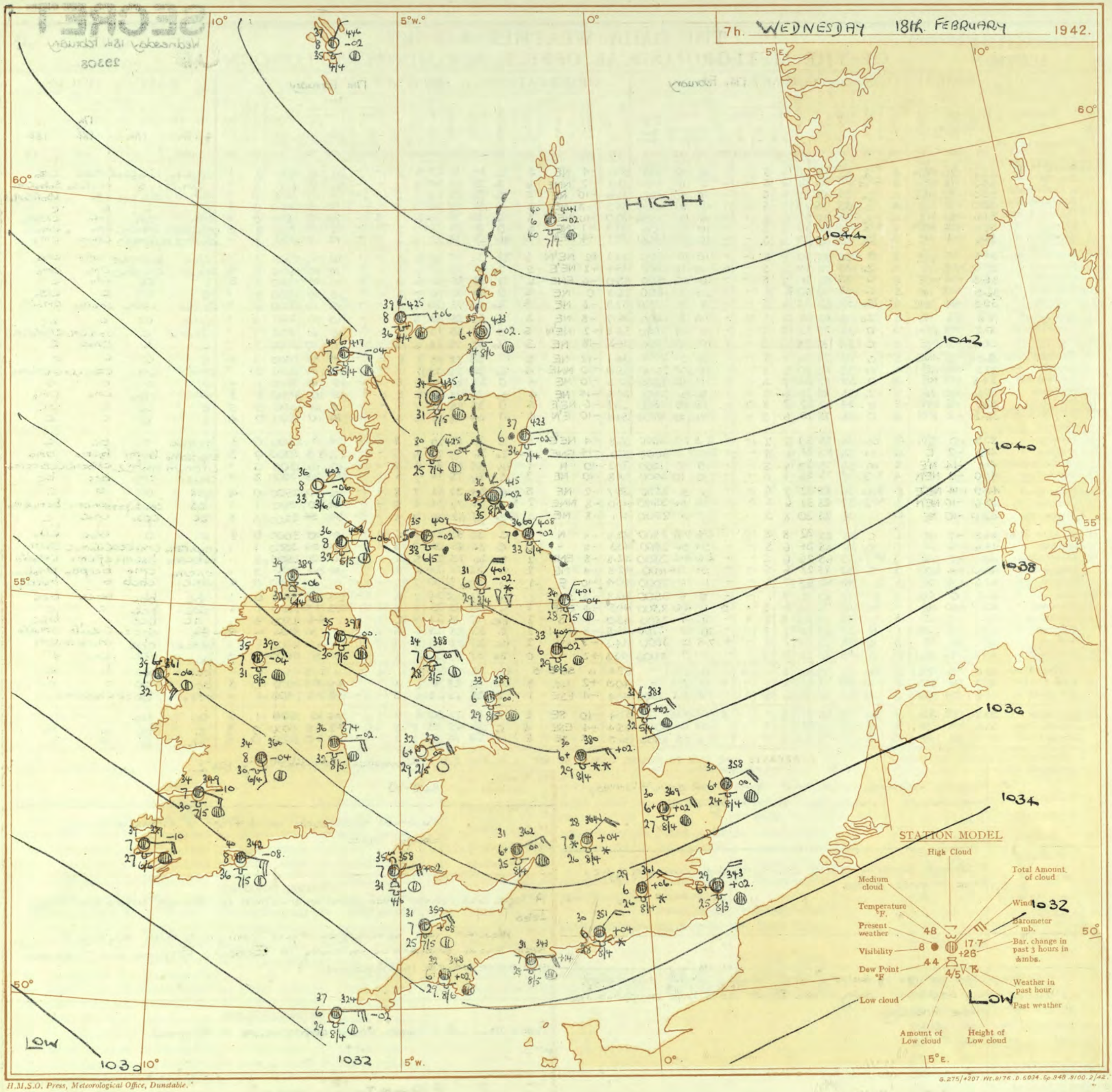
FURTHER OUTLOOK

Possibility of a slight rise in temperature in England.

Forecasts issued at 10.30 G.M.T.

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

7h. WEDNESDAY 18th. FEBRUARY 1942.



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

G.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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.

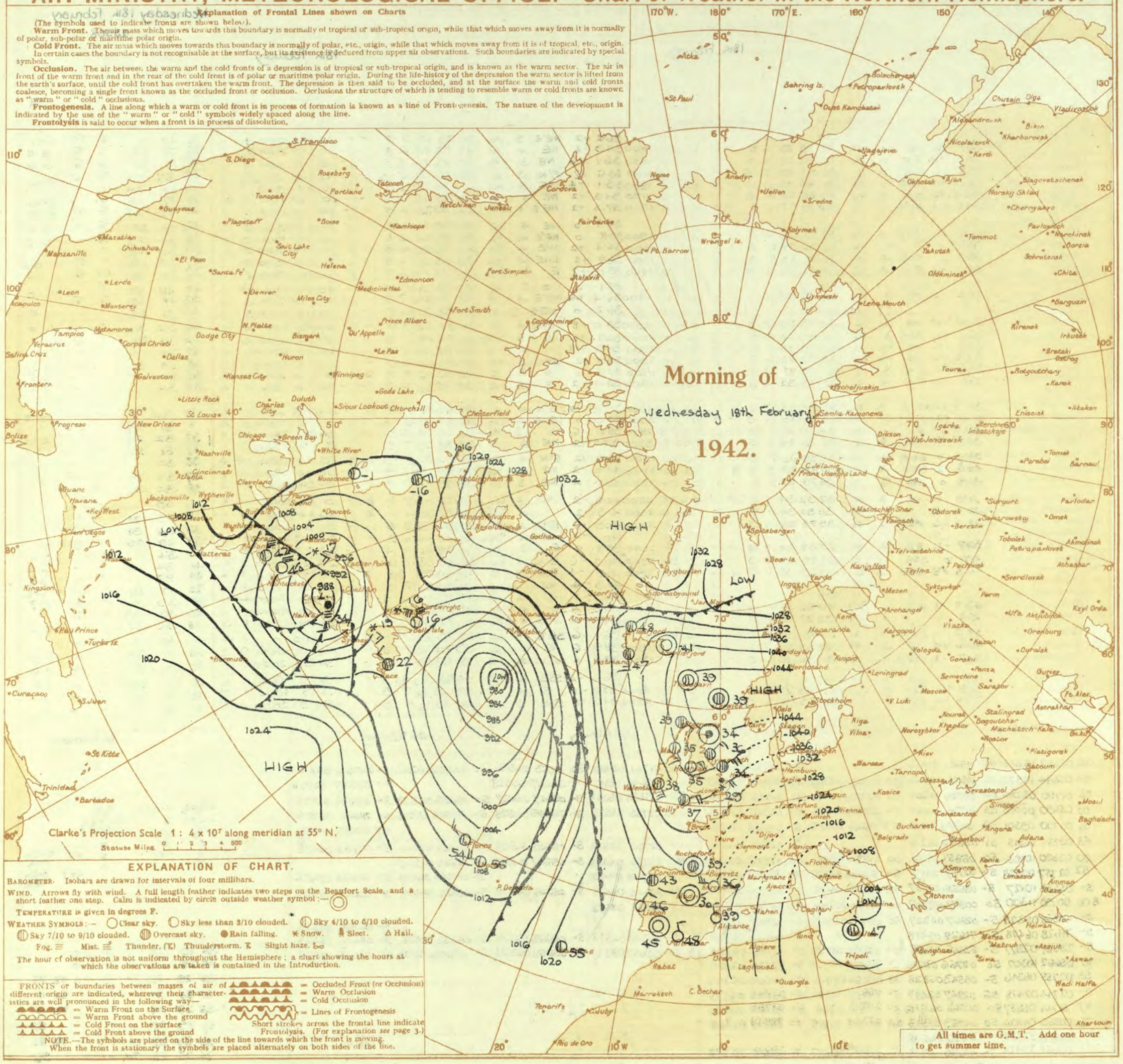
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Wednesday 18th February 1942

No. 29308

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)	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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon ...	217	34·7	+6	NE	4	r8	29	85	25	6	5	-	-	10	10	1800
	S. Farnborough	226	35·3	+10	E'N	4	z0	30	85	27	6	5	-	-	10	10	1800
	Boscombe Down	417	35·3	+6	ENE	3	C	31	92	29	7	5	-	-	10	10	1100
	Thorney Island	10	34·6	+10	NNE	3	z0	31	85	29	6	5	-	-	10	10	1800
	Lympne ...	346	34·3	+2	NE	4	z0	29	85	25	6	5	-	-	10	10	1100
	Manston ...	154	34·8	+2	NE'E	4	z0	30	85	27	6	5	-	-	10	10	1900
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	35·9	+4	NE'E	4	z0	38	85	34	6	5	-	-	10	10	1900
	Gorleston ...	5	36·4	0	E	4	z0	30	92	27	6	5	-	-	10	10	1500
	Mildenhall ...	19	36·9	0	ENE	4	C	31	97	29	7	5	-	-	10	10	1700
	Cranwell ...	240	38·0	+2	E'N	3	0/s	31	92	28	6	5	-	-	10	10	1400
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	36·2	+2	NE	5	z0	30	75	25	6	5	-	-	10	10	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	34·5	+10	NE	5	C	34	75	25	7	5	-	-	9+	9+	2500
	Bristol ...	209	36·1	+10	ENE	3	z0	31	85	28	5	5	-	-	10	10	2000
	Portland Bill ...	32	33·3	-2	NE	4	0	32	85	29	7	5	-	-	10	10	2500
	Plymouth ...	82	34·6	+6	NE	4	z0	35	75	29	6	5	-	-	10	10	2500
	The Lizard ...	240	33·1	-2	ENE	5	C	37	75	27	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	33·1	-6	E'N	4	C	37	75	32	6	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	36·6	+4	NE'E	3	bc	34	97	34	7	2	-	-	4-6	4-6	4000
7	Holyhead ...	26	37·6	+2	E'N	5	z0	35	85	29	6	5	-	-	Tr	Tr	2500
	Chester (Sealand)	16	39·3	+4	E	1	z0	34	75	27	6	5	-	-	7-8	7-8	2800
8	Manchester ...	235	38·8	+2	NE	2	C	32	75	26	8	5	-	-	7-8	7-8	3500
10	Spurn Head ...	29	38·4	0	ENE	5	0	34	85	30	7	5	-	-	10	10	1500
	Catterick ...	175	40·9	-2	NNE	2	z0	34	85	29	5	5	8	-	10	10	2200
	Tynemouth ...	108	40·8	0	NE	3	C	36	75	27	7	8	-	-	9+	9+	2500
11	St. Abbs Head	280	41·5	-6	NE	2	C	37	92	34	7	5	7	-	4-6	7-8	2500
	Leuchars ...	36	42·4	-8	-	0	0/r	36	92	34	7	5	-	-	10	10	2500
12	Renfrew (Abbots L.)	19	42·0	-6	NE'E	1	z0	35	75	29	5	5	-	-	10	10	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	39·7	-2	ES	4	b	37	83	34	7	4	*	*	Tr	Tr	2000
13A	Tiree	22	41·1	0	SSE	1	C	35	85	32	7	5	-	-	9	9	2500
13B	Stornoway ...	80	42·3	+8	ESE	3	C	39	85	35	7	5	4	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Wick ...	119	43·9	-2	ESE	1	0/d	40	85	36·6	5	-	-	-	10	10	1800
16	Sumburgh ..	30	45·2	0	-	0	z0	39	97	38	6	5	-	-	10	10	6000
17	Blacksod Point	18	37·9	0	SE'E	5	b	36	75	30	7	-	-	-	0	0	-
18	Malin Head ...	84	40·6	+12	SE	3	C	35	85	31	7	2	3	-	4-6	7-8	1500
	Aldergrove ...	268	40·7	-2	NE'E	1	z0	31	92	28	6	5	-	-	9	9	2300
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	34·9	-6	ESE	4	C	38	65	27	8	5	-	-	9+	9+	4000
	Roches Point	22	35·4	-4	ESE	5	C	39	75	33	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. G.M.T. 18th 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)	36·2	+2	NE'E	3	z0	30	75	25	5	5	-	-	10	10	1500	3	*
Croydon ...	34·9	+2	NE	4	z0	29	85	25	6	5	-	-	10	10	2100	3	*
S. Farnborough	36·1	+6	NE	3	z0	29	85	26	6	5	-	-	10	10	1200	3	*
Boscombe Down	35·6	+2	E'N	3	z	28	85	25	6	5	-	-	10	10	1500	3	*
Thorney Island	35·1	+4	NE	3	z0	30	85	28	6	5	-	-	10	10	1800	0	*
Lympne ...	34·3	+2	NE	4	z0	29	85	25	6	5	-	-	10	10	700	3	4
Manston ...	37·2	+2	NE'E	4	z0	30	85	26	6	5	-	-	10	10	1200	3	*
Shoeburyness ...	35·5	0	NE	4	C	30	85	26	6	5	-	-	10	10	1500	3	*
Felixstowe ...	33·8	0	NE'E	4	z0	30	85	24	6	5	-	-	10	10	1500	3	4
Gorleston ...	36·4	+2	N'E	4	z0	30	85	26	6	5	-	-	10	10	1500	3	4
Mildenhall ...	36·9	+2	ENE	4	z0	30	85	27	6	5	-	-	10	10	1500	3	*
Cranwell ...	38·0	+2	E	3	0/s	30	92	29	6	5	-	7	10	10	1800	4	*
Birmingham ...	37·1	0	E	3	z	30	85	26	5	5	-	-	10	10	800	3	*
Upper Heyford	36·4	+4	NE'E	4	r5	28	92	26	7	5	-	-	10	10	1500	3	*
Ross-on-Wye	36·2	0	NE'E	3	C	31	75	25	6	5	-	-	10	10	1500	3	*
Hartland Point	35·0	+8	ENE	4	C	31	85	25	7	5	-	-	9+	9+	2500	3	4
Bristol ...	36·2	+6	E	3	C/s	30	92	28	6	5	2	-	9	10	1500	3	*
Portland Bill ...	34·3	+1·4	E	4	0	31	85	28	7	5	-	-	10	10	2500	1	4
Plymouth ...	34·8	+2	ENE	3	z0	32	85	29	6	5	-	-	10	10	3000	3	3
The Lizard ...	32·7	0	E	5	C	36	85	32	7	8	2	-	9	10	1500	0	4
Scilly (St. Mary's)	32·4	-2	E	5	C	37	75	30	6	5	-	-	10	10	1500	0	4
Guernsey ...																	
Pembroke ...	35·8	+2	E'N	4	C	35	85	31	7	8	6	-	4-6	7-8	4000	1	3
Holyhead ...	37·0	0	ENE	4	z0	32	85	29	6	6	-	-	1	1	2500	3	3
Chester (Sealand)	38·0	-6	NE	3	z0	33	65	24	6	5	-	-	9+	9+	2400	0	*
Manchester ...	38·2	+2	NE	2	C	33	85	29	7	5	-	-	9	9	2500	3	*
Spurn Head ...	38·3	+2	E'N	4	C	33	92	32	7	5	2	-	7-8	10	1500	0	4
Catterick ...	40·0	-2	NE	2	z0	33	85	29	6	5	-	-	10	10	2200	1	*
Tynemouth ...	40·1	-4	NE	3	C	34	85	28	7	5	-	-	9+	9+	2500	1	3
St. Abbs Head	40·8	-2	NE	2	r0	36	92	33	7	5	7	-	9	10	1500	1	2
Leuchars ...	41·5	-2	-	0	DD	36	97	35	4	-	2	-	10	10	400	1	*
Renfrew (Abbots L.)	40·9	-2	E'N	2	r0	35	92	33	5	5	-	-	9	9	2500	3	*
Eskdalemuir ...	40·1	-2	NE'N	4	bs/ps	31	92	29	6	5	-	-	2-3	2-3	1200	9	*
Point of Ayre ...	38·8	0	E	3	bc	34	85	30	7	4	-	-	2-3	2-3	2000	0	
Tiree	40·2	-6	E'N	1	bc	36	85	33	8	5	-	-	2-3	2-3	3500	1	2
Stornoway ...	41·7	-4	ESE	3	C	40	85	35	7	5	7	-	7-8	9+	2000	1	2
Dalwhinnie ...	42·3	-4	NE	1	C	30	85	26	7	5	-	-	9+	9+	1500	4	*
Aberdeen ...	42·3	-1	E	2	r0	37	97	36	6	5	-	-	9+	9+	1700	4	
Wick ...	43·3	-2	-	0	z0	35	92	34	6	5	-	-	10	10	4000	1	*
Sumburgh ..	44·1	-2	NNE	1	z0	40	97	40	6	5	-	-	9+	9+	4500	1	3
Blacksod Point	36·1	-6	SE'E	5	C	39	75	32	7	-	7	-	0	10	-	0	4
Malin Head ...	38·9	-6	E	1	C	39	75	32	7	9	-	-	9	9	1500	0	3
Aldergrove ...	39·7	*	ES	2	C	35	85	30	7	5	-	-	9+	9+	2000	0	*
Birr Castle ...	36·0	-4	SSE	2	C	34	85	30	8	5	-	-	9	9	1500	1	*
Valentia Obsy.	32·9	-10	E	4	C	39	65	28	7	5	-	-	9	9	4000	1	3
Roches Point	34·2	-8	ESE	5	C	40	85	36	8	5	-	-	9+	9+	2500	0	5

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 17th. Hrs. (38)
London (Kew)	36	29	28	Tr	Tr	0·0
Croydon ...	35	28	28	Tr	Tr	0·0
S. Farnborough	35	28	28	Tr	Tr	0·0
Boscombe Down	34	27	27	Tr	-	0·0
Thorney Island	36	30	30	-	-	*
Lympne ...	34	27	28	Tr	-	0·0
Manston ...	36	28	26	Tr	Tr	0·0
Shoeburyness ...	35	29	29	Tr	-	0·0
Felixstowe ...	35	30	29	Tr	-	0·0
Gorleston ...	35	30	28	-	-	*
Mildenhall ...	37	29	29	-	Tr	0·0
Cranwell ...	37	30	30	0·1	Tr	1·3
Birmingham ...	34	29	29	Tr	-	0·0
Upper Heyford	35	28	28	Tr	Tr	*
Ross-on-Wye	35	31	30	-	-	0·0
Hartland Point	36	30	30	-	-	0·6
Bristol ...	35	30	29	-	Tr	0·0
Portland Bill ...	35	29	*	-	-	*
Plymouth ...	35	32	30	-	-	0·3
The Lizard ...	35	34	*	-	-	0·1
Scilly (St. Mary's)	38	34	*	-	-	0·9
Guernsey ...						
Pembroke ...	37	36	*	-	-	6·3
Holyhead ...	*	31	27	-	-	*
Chester (Sealand)	37	32	28	-	-	0·0
Manchester ...	37	31	29	Tr	-	*
Spurn Head ...	38	32	*	-	-	1·8
Catterick ...	37	32	31	0·2	Tr	0·5
Tynemouth ...	38	34	31	0·3	0·3	*
St. Abbs Head	36	35	*	-	1	*
Leuchars ...	38	35	31	-	1	0·8
Renfrew (Abbots L.)	36	34	31	-	Tr	1·4
Eskdalemuir ...	33	29	26	-	0·1	0·1
Point of Ayre ...	40	34	*	-	-	5·2
Tiree	41	34	*	-	-	6·2
Stornoway ...	44	37	*	-	-	3·8
Dalwhinnie ...	33	17	12	-	-	7·6
Aberdeen ...	38	33	32	-	1	0·7
Wick ...	40	35	33	-	Tr	*
Sumburgh ..	45	36	31	-	-	0·6
Blacksod Point	41	35	*	-	-	*
Malin Head ...	39	40	33	-	-	0·0
Aldergrove ...	39	30	25	-	-	4·6
Birr Castle ...	41	32	29	-	-	6·2
Valentia Obsy.	43	35	31	-	-	*
Roches Point	41	37	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17th February ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	53	05652	15314	53	01544	00014
115	54	02644	12325	54	01644	12324
203	08	01790	08224	00	05790	14200
206	00	05690	00000	03	01790	00001
210	03	00790	09301	03	00790	10312
220	53	05754	16315	01	05690	16218
230	00	05690	10100	50	05851	10101
245	52	02757	00028	5-	02757	01117
260	5-	05656	10127	5-	05556	04127
278	00	00790	11300	50	00862	09202
279	5-	05665	05325	5-	02867	04327
285	5-	71628	06478	5-	71628	06478
288	5-	23667	02377	5-	63446	02388
575	10	05662	10302	50	02766	09216
301	53	02755	06346	5-	05543	06328
321	5-	02744	02478	56	02847	02487
299	87	81744	06587	80	01746	06616
292	76	02855	04326	50	00753	02383
310	--	02638	32528	--	01636	04616
614	5-	05658	39428	7-	05658	04528

01h. G.M.T. 18th February ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109				5-	02767	00027
115	54	02844	08325	52	02844	08227
203	00	00790	08400	10	01944	08404
206	00	05658	00028	52	02757	00028
210	57	05646	00028	5-	05648	12128
220				50	02746	00016
230	00	00790	08100	50	07772	06212
245	6-	58638	02268	6-	22737	06367
260	52	05655	04128	5-	05556	25126
278	00	00790	26300	50	00741	10201
279	50	01763	04383	8-	02757	04317
285				5-	05628	08428
288	5-	05658	04228	9-	02758	06228
575	5-	05657	06327	5-	02758	06328
301	50	05654	06314	5-	05658	06328
321	5-	05658	34328	5-	02748	06378
299	5-	01754	08414	5-	02758	06428
292	5-	02748	04218	5-	22848	04268
310						
614	5-	05658	36428	5-	65658	06328

13h. G.M.T. 17th February ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	5-	01761	08401	50	01653	04313
334	--	02646	12317	--	04447	06328
340	5-	05658	06328	5-	05647	04427
136	85	02755	05525	5-	23635	04528
336						
350	5-	02758	35528	5-	05645	34528
368	5-	02758	04428	5-	05657	06327
379	5-	02748	04428			
390	5-	23648	04478	5-	05648	04578
382	5-	23848	03478			
438						
430	5-	05548	04578	5-	05658	35528
409	5-	05657	06327	5-	05658	06328

01h. G.M.T. 18th February ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	50	00652	06202	5-	01764	05314
334				--	03657	32228
340	5-	05658	06328	5-	05648	06328
136	5-	78748	37378	5-	78648	05378
336				57	05655	04328
350	5-	05648	37428	5-	71638	06478
368	5-	02648	08528			
379	5-	05648	38428	5-	51638	39458
390	5-	23648	38478	5-	23648	05378
382						
438				5-	02748	04528
430	5-	05648	39428	5-	05648	35428
409	5-	05658	04328	52	05646	05328

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

§ Sea disturbance reported from Dungeness.

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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	cis$_0$cz$_0$	cis$_0$cz$_0$	cis$_0$z$_0$
Croydon ...	cm$_0$r6	s	cm$_0$r$_5$h$_0$
Greenwich ...	cis$_0$	cis$_0$	cis$_0$c
Camden Square	0	c	*
Kensington ...	0	0	*
Hampstead ..	08	0x	0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max 0·1 Time 7-21h 17th. Min <0·1 Time 0-4h 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	36	29	28	Tr	Tr	0·0	*	*
Croydon ...	35	28	28	Tr	Tr	0·0	*	*
Greenwich ...	35	29	29	Tr	Tr	0·0	78	78
Westminster ..	37	30	30	-			80	*
Regents Park ...	35	29	28	-	-		75	*
Camden Square	35	29	37	-	-	*	*	85
Kensington ...	36	30	29	-	-		72	81
Hampstead ...	34	26	22	Tr	-		*	96

BRITISH SECTION

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

SECRET

Thursday 19th February 1942

No. 29309

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	36·4	0	NE	3	z₀	32	75	26	6	5	–	–	10	10	1500
	Croydon ...	35·6	−2	NE	4	c	31	85	28	6	5	–	–	10	10	1400
	S. Farnborough	36·3	+2	NE	3	z₀	31	85	27	5	5	–	–	10	10	1600
	Boscombe Down	36·5	+2	ENE	3	z₀	30	75	25	6	5	–	–	10	10	1200
	Thorney Island	35·7	−2	NE'E	3	o	33	75	26	7	5	–	–	10	10	1500
	Lympne ...	34·6	0	NE	4	sh	31	92	29	5	5	–	–	10	10	500
	Manston ...	35·6	0	NE	4	sh	31	85	28	6	5	–	–	10	10	1200
2	Shoeburyness ...	36·3	0	NNE	4	sh	32	92	30	6	5	–	–	10	10	1400
	Felixstowe ...	36·7	+2	NE'E	3	sh	31	85	27	6	5	–	–	10	10	1500
	Gorleston ...	37·6	0	ENE	4	o/s	31	85	28	7	5	–	–	10	10	1100
	Mildenhall ...	37·6	−2	NE'E	4	o/s	32	75	27	7	5	–	–	10	10	1500
	Cranwell ...	38·6	0	E'N	3	sh	31	97	31	7	5	–	–	10	10	1200
3	Birmingham ...	37·4	−2	ENE	3	o/s	30	85	26	6	5	–	–	10	10	800
	Upper Heyford	37·3	+2	NE'E	4	o/rs	29	92	26	6	5	–	–	10	10	1500
4	Ross-on-Wye	37·0	0	ENE	3	o	31	75	25	6	5	–	–	10	10	1500
5	Hartland Point	35·5	0	ENE	3	c	31	75	23	7	5	2	–	9+	10	2000
	Bristol ...	36·6	−2	ENE	3	z₀	31	85	26	6	5	–	–	10	10	1100
	Portland Bill ...	35·0	+4	ENE	4	o	32	85	29	7	5	–	–	10	10	2500
	Plymouth ...	35·7	+6	ENE	3	z₀	32	75	27	6	5	–	–	10	10	5000
	The Lizard ...	34·5	+8	E	5	o	36	75	29	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	32·8	−2	ESE	4	o	40	65	29	7	5	–	–	10	10	1500
	Guernsey ...															
6	Pembroke ...	36·5	+6	E	4	z₀	33	92	30	6	5	–	–	10	10	2500
7	Holyhead ...	37·1	+2	ENE	4	z₀	38	65	27	6	–	–	–	0	0	–
	Chester (Sealand)	38·6	−2	E	2	z₀	33	75	27	5	5	–	–	10	10	2000
8	Manchester ...	38·5	+2	NE'E	3	z₀	32	85	29	6	5	–	–	10	10	2000
10	Spurn Head ...	38·8	0	E'N	4	o	33	97		7	5	–	–	10	10	1500
	Catterick ...	40·4	−8	ENE	2	o	33	75	28	7	5	–	–	10	10	2000
	Tynemouth ...	40·5	−4	E	4	c	35	75	18	7	5	–	–	9+	9+	2600
11	St. Abbs Head	42·1	−2	SE	2	s.s₀	36	97	35	8	5	2	–	7-8	9+	1500
	Leuchars ...	41·3	−4	ENE	3	c	39	92	37	8	5	4	–	7-8	9+	1100
12	Renfrew (Abbots I.)	40·7	−2	E'N	3	c/d	39	75	34	5	5	–	–	7-8	9+	1200
	Eskdalemuir ...	40·6	0	E	3	c	33	75	24	7	5	–	–	7-8	7-8	1300
	Point of Ayre ...	39·3	0	SE	3	o	37	75	29	8	5	–	–	10	10	3000
13A	Tiree ...	40·2	0	ESE	1	bc	41	85	37	9	1	3	–	4-6	4-6	3500
13B	Stornoway ...	41·5	−4	SE	3	c	42	85	38	8	5	7	5	7-8	9+	2500
15	Dalwhinnie ...	41·8	−6	NE	3	c	36	85	30	8	5	4	–	4-6	9	1500
	Aberdeen ...	42·2	−4	SSE	2	ir₀	37	92	35	6	6	2	–	7-8	10	1200
	Wick ...	42·5	+8	ENE	2	c	42	85	37	8	5	7	–	4-6	10	1500
16	Sumburgh ...	43·7	−4	ENE	1	z₀	43	92	41	6	5	–	–	10	10	3500
17	Blacksod Point	36·1	+2	SE	5	c	39	75	32	7	5	–	–	7-8	7-8	2500
18	Malin Head ...	38·7	−2	SSE	4	c	40	75	33	8	4	–	4	4-6	7-8	5700
	Aldergrove ...	39·2	−6	E	3	c	36	85	31	8	5	–	–	9+	9+	2500
19	Birr Castle ...	36·0	−6	SE	1	c	37	75	30	8	5	1	–	7-8	10	2500
20	Valentia Obsy.	33·0	−2	E'S	5	c	42	65	32	8	5	–	2	7-8	9+	4000
	Roches Point	35·0	−2	E	4	c	40	75	33	8	5	–	–	9+	9+	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)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	36·9	+10	NE'N	3	z₀	31	75	26	5	5	–	–	10	10	1500	3	*
	Croydon ...	35·9	+8	NE	4	z₀	30	85	27	5	5	–	–	10	10	600	3	*
	S. Farnborough	36·7	+12	ENE	2	z₀	31	85	26	5	5	–	–	10	10	1400	3	*
	Boscombe Down	36·7	+6	NE'E	3	z₀	30	85	25	6	5	–	–	10	10	1000	3	*
	Thorney Island	35·7	+6	NE	3	z₀	32	75	25	6	5	–	–	9+	10	1500	1	*
	Lympne ...	35·2	+6	NE	4	z₀	30	85	27	6	5	–	–	10	10	400	3	§4
	Manston ...	35·9	+8	NE'E	4	z₀	30	92	29	6	5	–	–	10	10	700	3	*
2	Shoeburyness ...	36·5	+2	NNE	4	c	30	92	28	7	5	–	–	10	10	1500	3	*
	Felixstowe ...	36·8	+6	NE'E	4	c	31	85	27	8	5	–	–	10	10	2000	3	3
	Gorleston ...	37·3	+6	E'N	4	o	31	92	29	7	5	–	–	10	10	1100	3	5
	Mildenhall ...	37·6	+2	ENE	4	z₀	31	85	27	6	5	–	–	10	10	2500	3	*
	Cranwell ...	38·6	+4	ENE	3	sh	30	85	27	7	5	–	–	10	10	2000	4	*
3	Birmingham ...	37·3	0	ENE	3	z₀	30	85	26	5	5	–	–	10	10	800	3	*
	Upper Heyford	37·3	+8	NE'E	4	z₀	29	92	27	6	5	–	–	10	10	1100		*
4	Ross-on-Wye	37·0	0	NNE	3	o	31	85	27	6	5	–	–	10	10	800	3	*
5	Hartland Point	35·9	+4	ENE	3	c	30	85	25	6	5	2	–	9+	10	1900	3	3
	Bristol ...	37·0	+6	NE'E	2	z₀	30	85	26	5	5	–	–	10	10	1000	3	*
	Portland Bill ...	35·5	+8	NE	4	z₀	33	92	29	5	5	–	–	10	10	2500	1	5
	Plymouth ...	36·0	+4	ENE	4	z₀	32	85	29	5	5	–	–	10	10	2000		3
	The Lizard ...	34·5	+8	E'N	4	c	35	85	31	7	8	2	–	7-8	10	1000		4
	Scilly (St. Mary's)	32·8	−2	E'S	4	c	38	85	33	6	8	2	–	4-6	10	1500		4
	Guernsey ...																	
6	Pembroke ...	30·5	+4	E	3	z₀	34	97	34	6	5	–	–	10	10	2200	0	2
7	Holyhead ...	36·7	+2	ENE	3	z₀	33	85	28	5	5	–	–	9+	9+	2500	0	3
	Chester (Sealand)	38·3	+4	E	2	z₀	33	75	27	5	5	–	–	7-8	10	1300	0	*
8	Manchester ...	38·9	+2	E'S	2	z₀	32	85	28	5	5	–	–	10	10	2500	3	*
10	Spurn Head ...	38·5	0	NE	3	o	32	97	31	7	5	–	–	10	10	1500	0	4
	Catterick ...	40·3	+4	E'N	1	z₀	32	85	28	5	5	–	–	10	10	3000	1	*
	Tynemouth ...	40·4	0	E	3	c	34	75	28	7	5	–	–	9+	9+	2500	1	3
11	St. Abbs Head	40·3	−2	ESE	2	c	36	75	29	8	5	7	–	7-8	9	1500	1	2
	Leuchars ...	40·9	+2	–	0	c	36	85	33	8	5	3	–	4-6	7-8	2500	1	*
12	Renfrew (Abbots I.)	40·0	−2	E'N	3	m	36	75	30	4	5	–	1	9	9+	1500	1	*
	Eskdalemuir ...	40·0	0	ENE	3	c	31	85	27	6	5	–	–	9+	9+	1100	9	*
	Point of Ayre ...	38·7	0	SSE	2	c	37	75	29	7	8	–	–	10	10	2500	0	3
13A	Tiree ...	39·6	0	–	0	bc	37	97	37	8	5	–	–	4-6	4-6	3500	0	2
13B	Stornoway ...	40·4	−2	E	3	bc	41	92	40	8	5	5	–	2-3	4-6	2500	1	2
15	Dalwhinnie ...	41·5	−4	SSE	2	c	34	85	30	8	8	2	–	7-8	10	1500	4	*
	Aberdeen ...	41·7	−4	NW	1	bcf	34	92	33	3	5	–	–	2-3	2-3	1700	4	2
	Wick ...	41·7	+2	ENE	1	c	42	85	35	8	5	–	–	4-6	10	800	1	*
16	Sumburgh ...	42·6	−2	NNE	1	ir₀	42	97	41	5	5	7	–	9+	10	2000	1	2
17	Blacksod Point	34·8	−6	SE	5	bc	37	65	27	8	5	–	8	4-6	4-6	1500	0	4
18	Malin Head ...	38·6	+2	SSE	3	c	37	85	33	8	5	7	–	4-6	9	4000	0	3
	Aldergrove ...	39·0	0	E'S	1	c	35	85	31	7	5	–	–	10	10	2000	0	*
19	Birr Castle ...	35·6	+2	SE	2	c	36	75	29	8	5	1	–	7-8	10	2500	1	*
20	Valentia Obsy.	31·3	−14	ESE	5	c	39	65	29	8	5	5	1	7-8	9	4000	1	3
	Roches Point	34·4	−2	E	5	c/r	38	85	34	8	6	2	–	7-8	9+	1500	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 18th (39)	Weather. 13h.–18h. 18th (40)	Weather. 18h.–1h. 18th–19th (41)	Weather. 1h.–7h. 19th (42)
1	London (Kew)	cz₀	cz₀	cm₀	cz₀
	Croydon ...	cm₀is₀	cm₀	cm₀	cm₀is₀
	S. Farnborough	m₀c	cm₀o	o₀c	m₀c
	Boscombe Down	cm₀	cm₀	cm₀	cm₀
	Thorney Island	cm₀c	ccm₀	cm₀	cm₀
	Lympne ...	cm₀sh	shcm₀	cm₀	cm₀
	Manston ...	cm₀sh	shcm₀	cm₀	cm₀
2	Shoeburyness ...	cishm₀c	cishm₀c	c	cm₀
	Felixstowe ...	oish₀z₀	oish₀m₀c	ccm₀	cm₀c
	Gorleston ...	os₀c	c	c	c
	Mildenhall ...	cis₀c	cis₀cm₀	cis₀m₀	cm₀
	Cranwell ...	csh	csh	cm₀sh	cm₀c
3	Birmingham ...	cis₀	cis₀z₀	c	c
	Upper Heyford	cr₀s₀m₀	c z₀	cm₀	cm₀
4	Ross-on-Wye	c	c₀	om₀	om₀
5	Hartland Point	c	c	c	bcc
	Bristol ...	cm₀is₀	cm₀	cm₀, cm₀	cm₀
	Portland Bill ...	o	o₀z₀	o	o₀
	Plymouth ...	cm₀	cm₀	cm₀	cm₀
	The Lizard ...	c	oc	c	c
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	cm₀	cm₀	cm₀	cm₀c
7	Holyhead ...	bbcbz₀	bz₀bcz₀	bcm₀	bccm₀m
	Chester (Sealand)	cz₀	czcz₀	czm₀	cz₀
8	Manchester ...	cm₀	cm₀	cm₀o	cbcm₀
10	Spurn Head ...	os	o	c	c
	Catterick ...	cz₀c	cm₀	cm₀cm	cm₀
	Tynemouth ...	c	c	co	oc
11	St. Abbs Head	cb, cs₀s	s₀c	c	c
	Leuchars ...	Ddirc	cbccbc	ccm₀c	cbccm₀
12	Renfrew (Abbots I.)	cmid₀z₀	zoir₀cz	czm	cmzz₀
	Eskdalemuir ...	bcps₀c	cm₀	com₀	oo×m₀
	Point of Ayre ...	bcc	c	c	c
13A	Tiree ...	bc	bc	bc	bcc
13B	Stornoway ...	c	c	cp₀r	bc
15	Dalwhinnie ...	cp₀s₀	co	*	cp₀sb
	Aberdeen ...	cir₀	cir₀bf	bbcf	bf×
	Wick ...	cm₀c	c	cbc	cbcb
16	Sumburgh ...	cbcm₀	cm₀rdmir	bcidₒ	cr₀r₀c
17	Blacksod Point	bc	bc	c	c
18	Malin Head ...	c	bc	c	c
	Aldergrove ...	c	ccm₀c	ccm₀	cm₀
19	Birr Castle ...	bc	bc	*	c
20	Valentia Obsy.	bc	c	c	bc
	Roches Point	bc	r	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 19th February 1942.

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 ... 10 N.E. England	Light or moderate Easterly winds. Cloudy. Temperature remaining near freezing point.
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 variable winds. Fair with some bright intervals. Rather cold or cold with local night frost.
16 Orkneys and Shetlands	As 11 – 15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh Southeast wind. Mainly cloudy. Rather cold or cold.

GENERAL INFERENCE

A large anticyclone centred between Faeroes and Iceland will maintain dry cloudy and cold conditions generally.

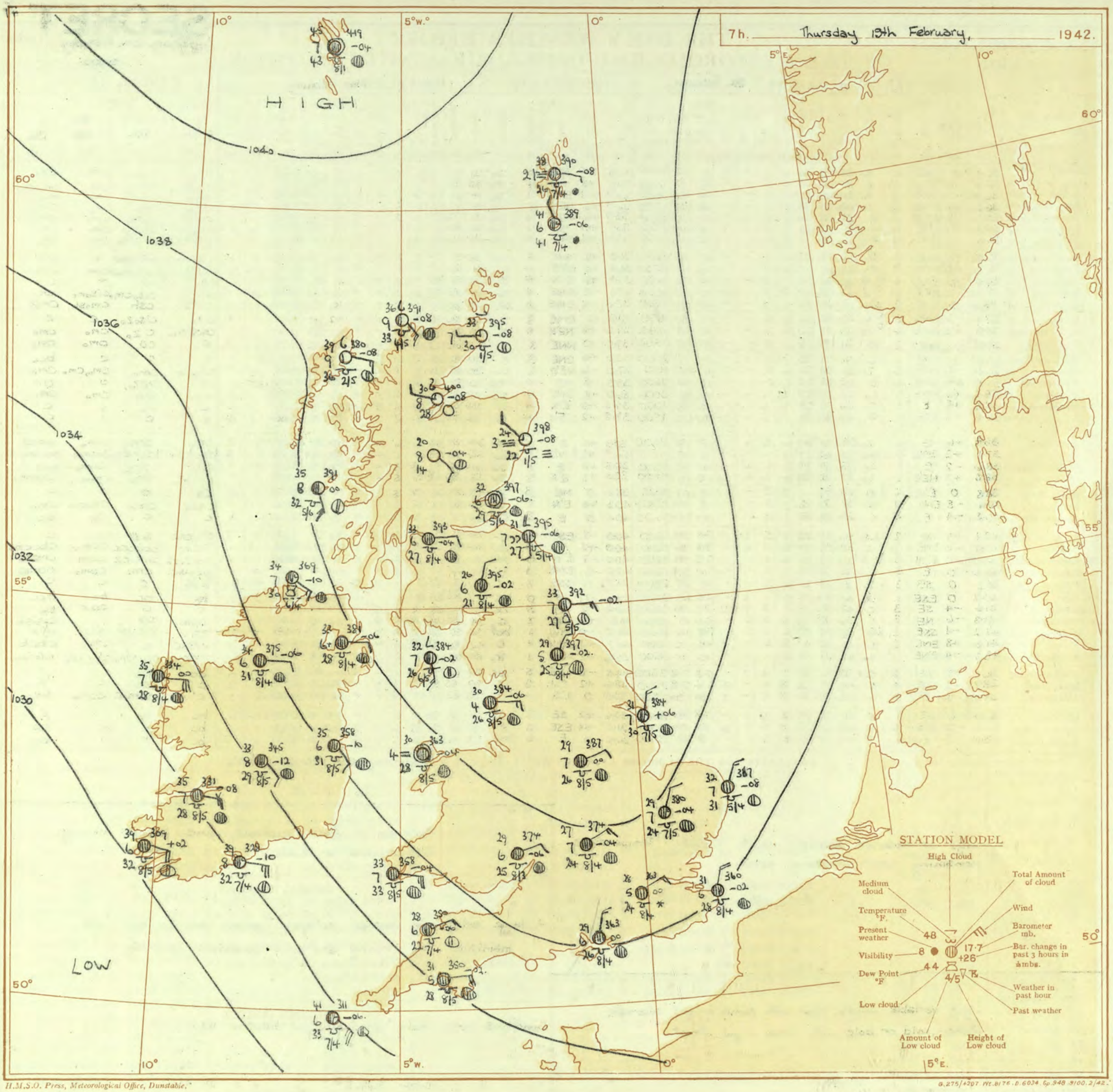
FURTHER OUTLOOK

Conditions are likely gradually to become less cold.

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

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

7h. Thursday 19th February, 1942.



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

G.275/4207 Wt.8176 D.6034 6p.948 9100.2/42.

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).

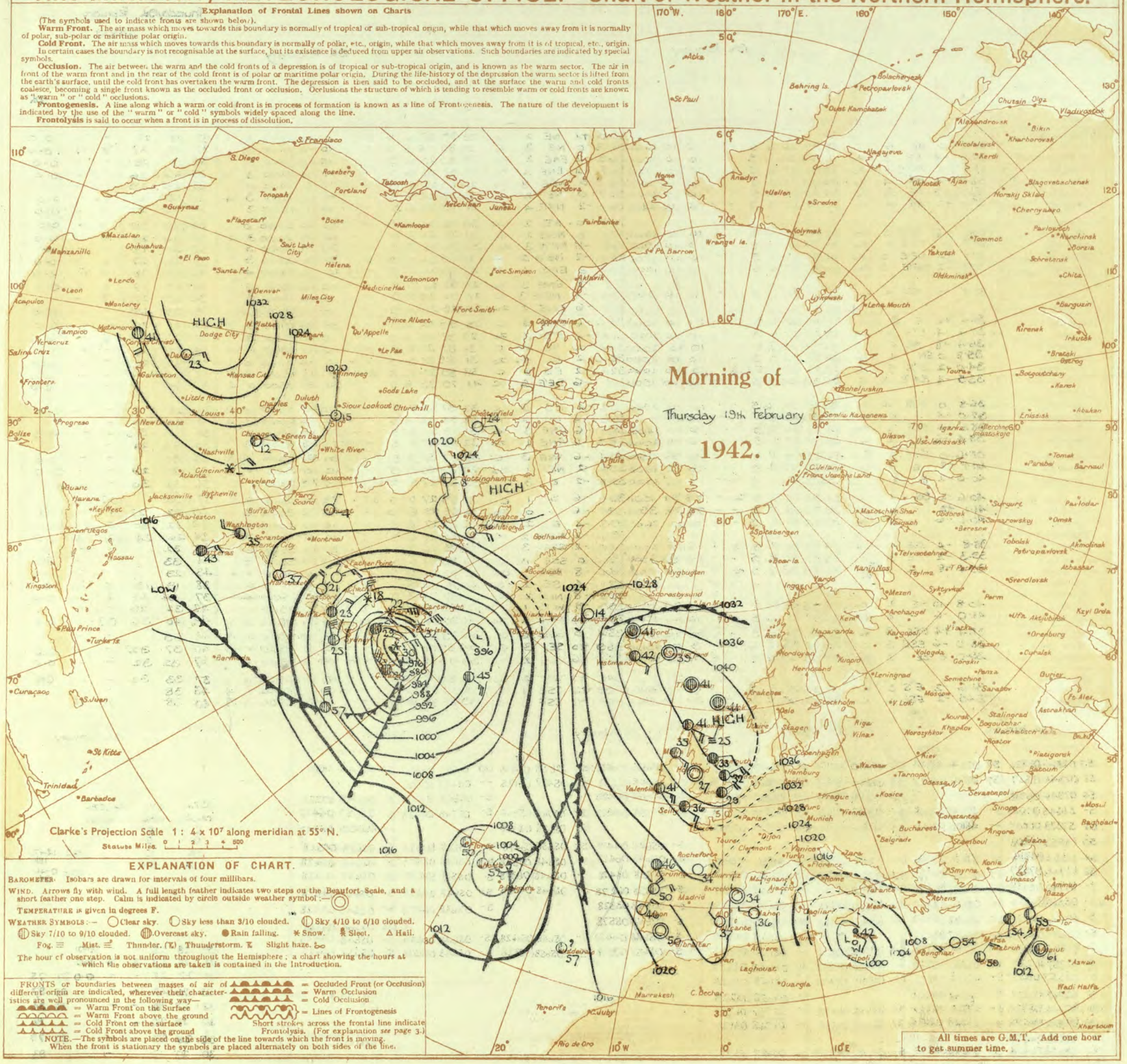
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 19th February 1942

No. 29309

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)	°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)	18	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon ...	217	37·0	0	NE	4	C	29	85	26	6	5	-	-	10	10	2100
	S. Farnborough	226	37·2	-4	NE	3	z_0	30	85	26	6	5	-	-	10	10	1000
	Boscombe Down	417	37·3	-2	NE'E	4	z_0	28	92	27	6	5	-	-	10	10	7000
	Thorney Island	10	36·7	-4	NE	4	z_0	30	92	28	5	5	-	-	10	10	1000
	Lympne ...	346	36·2	+2	NE	3	z_0	30	85	27	6	5	-	-	10	10	1000
	Manston ...	154	37·1	+2	NE	4	z_0	31	92	29	6	5	-	-	10	10	1400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	38·0	+6	NE'E	3	z_0	30	85	24	6	5	-	-	10	10	1900
	Gorleston ...	5	38·3	0	NE'E	4	z_0	31	92	28	6	5	-	-	10	10	1500
	Mildenhall ...	19	39·1	+2	NE'E	2	z_0	30	85	26	6	5	-	-	10	10	1400
	Cranwell ...	240	39·5	-2	NE'E	3	z_0	30	85	27	6	5	-	-	10	10	1200
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	37·8	-6	NE	4	z_0	27	97	26	6	5	-	-	10	10	900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	36·1	+2	E	3	C	29	85	24	6	5	2	-	9	10	1500
	Bristol ...	200	37·4	-4	E'N	4	z_0	29	92	27	5	5	-	-	10	10	1100
	Portland Bill ...	32	36·4	+8	NE	4	0	32	85	29	7	5	-	-	10	10	2500
	Plymouth ...	82	35·8	0	EN	4	z_0	32	75	26	5	5	-	-	10	10	2000
	The Lizard ...	240	34·0	-2	E'S	5	C	38	75	32	6	5	2	-	9	10	1000
	Scilly (St.Mary's)	163	33·5	-2	SE'E	3	C	36	85	30	5	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	36·8	0	E'S	4	z_0	32	97	32	6	5	-	-	10	10	2500
7	Holyhead ...	26	37·0	-4	-	0	z_0	27	85	22	5	-	-	-	0	0	-
	Chester(Sealand)	16	38·9	-4	ESE	2	z_0	32	75	26	5	5	-	-	10	10	1400
8	Manchester ...	235	39·4	-6	E	2	z_0	31	85	27	5	5	-	-	10	10	2000
10	Spurn Head ...	29	39·6	0	ENE	3	c	32	85	28	7	8	-	-	9+	9+	2500
	Catterick ...	175	40·7	-2	E	1	m	31	85	27	4	5	-	-	10	10	1900
	Tynemouth ...	108	40·0	-2	E	2	0	33	75	27	7	5	-	-	10	10	1500
11	St. Abbs Head	280	40·6	-2	SE	1	c	32	85	28	7	5	2	-	7-8	9+	1500
	Leuchars ...	36	41·1	+2	-	0	c	35	75	28	7	5	-	-	7-8	7-8	3500
12	Renfrew (Abbots I.)	19	40·1	-6	-	0	m	33	85	29	4	5	-	-	10	10	2600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	38·8	-4	SSE	4	c	34	85	28	7	8	2	-	4-6	10	2000
13A	Tiree	22	39·3	-2	SSE	3	c	35	92	32	8	5	-	-	2-3	2-3	3500
13B	Stornoway ...	80	39·4	-8	E	4	bc jp	41	85	37	7	5	4	-	1	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*
	Wick ...	119	40·8	-10	SE	2	bc	38	85	33	7	5	-	-	2-3	2-3	2500
16	Sumburgh ..	30	41·0	-6	-	0	ic	42	97	42	6	5	-	-	10	10	1200
17	Blacksod Point	18	35·1	+4	ESE	5	C	37	75	31	6	5	-	-	10	10	1500
18	Malin Head ...	84	38·0	-6	ESE	3	C	35	92	33	7	6	-	-	9	9	1500
	Aldergrove ...	268	39·0	0	SE	3	z_0	34	85	29	6	5	-	-	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·6	-2	E'S	5	c	41	65	31	8	5	-	-	10	10	4000
	Roches Point	22	34·5	-2	ESE	6	c	38	75	32	8	5	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. 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)	°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)	37·0	+4	NE	2	z_0	29	79	23	6	5	-	-	10	10	2500	3	*
	Croydon ...	36·3	0	NE	3	z_0	28	85	24	5	5	-	-	10	10	1600	3	*
	S. Farnborough	36·8	-2	ENE	3	z_0	28	85	25	6	5	-	-	10	10	1000	3	*
	Boscombe Down	36·7	-4	ENE	2	z_0	27	97	26	6	5	-	-	10	10	1200	3	*
	Thorney Island	36·3	0	NNE	3	z_0	29	85	26	6	5	-	-	10	10	1600	0	*
	Lympne ...	35·7	0	NE	2	C	30	85	24	8	5	-	-	10	10	1100	3	4
	Manston ...	36·0	-2	NNE	4	z_0	31	85	28	6	5	-	-	10	10	1800	3	*
2	Shoeburyness ...	36·8	0	N'E	2	C	30	75	24	6	5	-	-	10	10	2000	0	*
	Felixstowe ...	37·1	0	NNE	2	C	31	75	24	8	5	-	-	10	10	2000	3	3
	Gorleston ...	36·7	-8	NE'N	3	z_0	32	92	29	7	5	-	-	7-8	7-8	1500	3	4
	Mildenhall ...	38·0	-2	NE'N	2	C	29	75	24	7	5	-	-	9+	9+	2200	3	*
	Cranwell ...	38·7	0	ENE	2	C	29	92	26	7	5	-	-	10	10	2200	4	*
3	Birmingham ...	37·7	-2	ENE	3	z_0	28	92	26	5	5	-	-	10	10	800	3	*
	Upper Heyford	37·4	-4	NE'E	3	C	27	92	24	7	5	-	-	10	10	1200	3	*
4	Ross-on-Wye	37·4	-6	ENE	2	z_0	29	85	25	6	5	-	-	10	10	800	3	*
5	Hartland Point	35·0	-6	ENE	3	C	28	85	22	6	5	-	-	9+	9+	1500	3	3
	Bristol ...	36·8	-4	E'S	3	z_0	27	97	25	6	5	-	-	10	10	1200	3	*
	Portland Bill ...	34·8	-10	NE	4	0	31	85	27	7	5	-	-	10	10	2500	1	4
	Plymouth ...	35·0	-2	E	4	z_0	31	85	28	5	5	-	-	10	10	2000	0	3
	The Lizard ...	32·4	-2	E'S	5	C	38	85	33	6	8	2	-	9	10	1500	0	5
	Scilly (St.Mary's)	31·1	-6	SE'E	5	C	41	75	33	6	5	-	-	9+	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	35·8	-4	ES	5	C	33	97	33	7	5	-	-	10	10	2500	0	3
7	Holyhead ...	36·3	-4	-	0	m	30	92	28	4	5	-	-	10	10	2000	3	2
	Chester(Sealand)	38·3	-6	ESE	3	z_0	31	75	27	5	6	-	-	10	10	1400	3	*
8	Manchester ...	38·5	-6	ENE	2	z_0	32	85	27	5	6	-	-	2-3	2-3	2500	3	*
10	Spurn Head ...	38·4	+6	NNE	3	C	31	97	31	7	5	-	-	9+	9+	2500	0	3
	Catterick ...	39·7	-2	NE	1	z_0	29	85	25	5	5	-	-	10	10	1500	1	*
	Tynemouth ...	39·2	-2	E	3	C	33	75	27	7	2	-	-	7-8	7-8	2500	1	3
11	St. Abbs Head	39·5	-6	S	1	C	31	85	27	7	5	2	-	7-8	9+	2000	0	2
	Leuchars ...	39·7	-6	-	0	z_0	32	85	29	6	5	-	-	7-8	7-8	3500	3	*
12	Renfrew (Abbots I.)	39·3	-4	E	2	z_0	33	75	27	6	5	-	-	10	10	2000	1	*
	Eskdalemuir ...	39·5	-2	NE'N	2	C	26	85	21	6	5	-	-	10	10	1100	3	*
	Point of Ayre...	38·4	-2	SSE	3	c	32	75	26	7	5	1	-	9	10	2500	0	3
13A	Tiree	39·1	0	SSE	3	C	35	85	32	8	5	-	-	7-8	7-8	3500	0	
13B	Stornoway ...	38·0	-8	ESE	3	bc	39	92	36	9	5	4	-	1	2-3	2500	1	2
15	Dalwhinnie ...	39·1	-4	SE	2	b	20	75	14	8	-	-	-	0	0	- -	4	*
	Aberdeen ...	39·8	-8	NW	2	bcf	24	97	22	3	5	-	-	Tr	Tr	2500	4	
	Wick ...	39·5	-8	W	1	b	33	85	30	7	5	-	1	Tr	1	2500	1	*
16	Sumburgh ..	38·9	-6	NNW	2	z_0	41	97	41	6	5	-	-	9+	9+	1800	1	2
17	Blacksod Point	33·4	0	ESE	6	C	35	75	29	7	5	-	-	10	10	1500	0	4
18	Malin Head ...	36·9	-10	SE	3	C	34	85	30	7	9	-	-	9	9	1500	0	3
	Aldergrove ...	38·1	-6	ESE	2	z_0	33	85	28	6	5	-	-	10	10	1800	0	*
19	Birr Castle ...	34·5	-12	SE	2	C	33	85	29	8	5	-	-	10	10	2500	1	*
20	Valentia Obsy.	30·9	+2	ESE	4	z_0	39	75	32	6	5	-	-	10	10	2500	1	4
	Roches Point	32·8	-10	ESE	5	C	39	75	32	8	5	-	-	9+	9+	1500	0	5

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 18th Hrs. (38)
1	London (Kew)	32	28	28	-	-	0·0
	Croydon ...	31	28	27	Tr	Tr	0·0
	S. Farnborough	32	28	28	-	-	0·0
	Boscombe Down	30	26	26	-	-	0·0
	Thorney Island	33	29	29	-	-	*
	Lympne ...	31	29	29	Tr	-	0·0
	Manston ...	31	29	27	Tr	-	0·0
2	Shoeburyness ...	33	29	29	Tr	-	0·0
	Felixstowe ...	31	30	29	Tr	-	0·0
	Gorleston ...	32	30	29	-	-	*
	Mildenhall ...	35	28	27	Tr	-	0·0
	Cranwell ...	32	29	28	Tr	Tr	0·0
3	Birmingham ...	30	27	27	Tr	-	0·0
	Upper Heyford	30	27	27	Tr	-	*
4	Ross-on-Wye	31	28	28	-	-	0·0
5	Hartland Point	31	27	25	-	-	0·0
	Bristol ...	31	27	26	Tr	-	0·0
	Portland Bill ...	34	29	*	-	-	*
	Plymouth ...	32	31	29	-	-	0·0
	The Lizard ...	37	34	*	-	-	0·0
	Scilly (St.Mary's)	37	35	*	-	-	0·0
	Guernsey ...						
6	Pembroke ...	36	28	*	-	-	0·0
7	Holyhead ...	*	26	16	-	-	*
	Chester(Sealand)	34	31	30	-	-	0·0
8	Manchester ...	33	26	21	-	-	*
10	Spurn Head ...	33	31	*	-	-	0·0
	Catterick ...	34	29	29	-	-	0·0
	Tynemouth ...	36	32	30	-	-	*
11	St. Abbs Head	37	30	*	0·2	-	*
	Leuchars ...	40	32	27	1	-	2·1
12	Renfrew (Abbots I.)	39	32	30	Tr	-	0·0
	Eskdalemuir ...	34	26	24	Tr	2	0·9
	Point of Ayre...	37	32	*	-	-	0·2
13A	Tiree	41	33	*	-	-	3·1
13B	Stornoway ...	43	29	*	-	Tr	1·4
15	Dalwhinnie ...	38	19	13	Tr	Tr	0·7
	Aberdeen ...	37	24	24	2	-	0·0
	Wick ...	42	32	29	-	-	*
16	Sumburgh ..	44	40	36	0·3	1	2·4
17	Blacksod Point	41	35	*	-	-	*
18	Malin Head ...	40	37	32	-	-	0·0
	Aldergrove ...	37	32	32	-	-	0·0
19	Birr Castle ...	37	33	32	-	-	0·0
20	Valentia Obsy.	43	38		-	-	
	Roches Point	40	38	*	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 18th February	18h. G.M.T.	01h. G.M.T. 19th 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 57 02844 06228	52 02844 07328	00 05690 20120	5- 05647 00027
115 55 02844 12327	57 02844 10327	52 02844 10427	54 01954 12324
203 54 02944 06215		50 01944 08324	04 00990 12212
206 5- 51448 00058	5- 57448 00058	5- 02853 10263	00 00890 26201
210 2 57338 00058	-- 48109 00059	50 00761 14221	00 00890 00000
229 50 01953 14203			
230 54 01964 04214	5- 02876 08116	00 00790 12100	00 00890 00000
240 89 61746 07327	57 01753 02263	50 01754 00014	50 00753 00013
260 7- 01745 08255	57 02755 06315	5- 05657 06227	5- 05655 06215
285 5- 05548 08228	54 02857 12427	5- 02755 10325	00 05690 10220
279 5- 02756 06427	54 05662 05423	50 05663 04100	00 05690 05200
285 5- 05628 06428	5- 05637 08427		5- 05628 08428
288 5- 02857 04387	54 02758 06228	5- 05658 00028	5- 05664 00027
575 5- 02757 10227	5- 02858 10228	5- 05658 08328	5- 05648 08228
305 5- 05657 09427	5- 05558 08328	5- 05558 08428	5- 08458 09328
321 5- 02748 06378	5- 05648 40328		5- 05658 05228
290 5- 02748 08328	5- 02758 05228	5- 05648 06428	5- 02746 06226
292 5- 02848 06228	5- 05648 05228	5- 02748 07128	5- 02748 03128
310 -- 02628 04528			
816 -- 78638 06478	5- 05648 06278	5- 05648 04228	5- 05657 06227

13h. G.M.T. 18th February	18h. G.M.T.	01h. G.M.T. 19th 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
332 5- 05666 07426	5- 02658 07418	00 00790 04210	54 02646 00017
334 -- 05548 03328	-- 05477 06128	-- 03447 10228	
348 5- 05648 06428		5- 05648 11328	5- 05648 10228
136 5- 02758 04328	5- 02748 05328	5- 02748 04228	5- 02857 04427
336	5- 08458 08428		-- 46309 08349
355 5- 05648 04478	5- 05638 06478	5- 05638 06328	5- 05638 04328
365 5- 05648 06428	5- 05648 07328	5- 05648 08428	5- 05648 08428
375 5- 71738 04478	5- 05648 06378	5- 05518 39428	5- 05638 41428
395 5- 78658 06278	5- 05648 04378	5- 05648 38429	5- 05648 04328
385 5- 05648 03328		5- 05638 06428	5- 05648 05328
435 5- 02648 08528			02 03568 06528
430 5- 05648 04428	5- 05658 05428	5- 05648 06428	5- 05658 04428
409 5- 05658 07328	5- 05658 08328	5- 05648 05328	5- 05558 06428

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	CZ_0	CZ_0	Cm_0CZ_0	
Croydon ...	cm_0is_0	cm_0	cm_0is_0	
Greenwich ...	C	C	C	Kew 24 hours ended 7h. Max. Time
Camden Square	O	O	*	
Kensington ...	OX	C	*	0·2 14–17h
Hampstead ...	OX	OX	O	Min. Time
				<0·1 0–4h 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 ...	32	28	28	-	-	0·0	*	*
Croydon ...	31	28	27	Tr	Tr	0·0	*	*
Greenwich ...	31	27	27	-	-	0·0	77	75
Westminster ...	33	29	29	-	-		85	97
Regents Park ...	32	27	26	-	-		73	94
Camden Square	32	28	26	-	-	*	*	81
Kensington ...	32	28	27	-	-		82	79
Hampstead ...	30	27	27	-	-		*	93

Page 1 BRITISH SECTION

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

SECRET

Friday 20th February 1942

No. 29,316

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	36.6	+2	NE'N	3	z	32	65	23	5	5	-	-	7-8	7-8	4000
	Croydon	35.8	-2	NE	3	z	31	75	25	6	5	-	-	9	9	2200
	S. Farnborough	36.3	-10	NE'E	3	m	31	75	25	4	5	-	-	4-6	4-6	1700
	Boscombe Down	36.3	-8	E	3	z₀	31	75	25	6	5	3	-	Tr	2-3	1500
	Thorney Island	36.0	-6	NE'N	3	z	32	75	26	6	7	-	-	4-6	4-6	2500
	Lympne	34.8	-6	NNE	3	c	33	75	28	8	5	-	-	9+	9+	2200
	Manston	35.4	-4	N'E	5	c	35	75	27	8	5	-	-	9+	9+	2000
2	Shoeburyness	35.9	-2	NNE	3	c	35	65	25	8	5	-	-	9+	9+	2800
	Felixstowe	36.1	-6	NE'E	3	bc	37	65	27	7	5	-	-	4-6	4-6	2500
	Gorleston	36.7	0	ENE	3	c	35	65	25	7	8	-	-	9+	9+	1500
	Mildenhall	37.0	-6	NNE	2	c	36	75	29	8	5	-	-	7-8	7-8	3000
	Cranwell	38.0	-2	NE	3	c	32	92	30	8	5	-	-	9+	9+	2000
3	Birmingham	36.8	-6	ESE	2	z	32	75	25	5	7	-	-	9	9	2500
	Upper Heyford	36.5	-10	ENE	4	bc	32	85	28	7	5	-	1	4-6	4-6	2800
4	Ross-on-Wye	36.8	-6	NE'E	3	bc	31	75	23	6	7	-	8	1	2-3	3000
5	Hartland Point	34.3	-4	ENE	3	c	29	75	22	7	5	-	-	9+	9+	1200
	Bristol	36.6	-6	E	2	z	29	92	29	6	5	-	1	9	9	1500
	Portland Bill	35.4	-10	NE	4	o	34	85	31	7	5	-	-	10	10	2500
	Plymouth	34.5	-4	ESE	5	z	33	85	33	6	5	-	-	10	10	2000
	The Lizard	32.3	-2	ESE	6	c	41	75	33	8	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	31.4	-2	ESE	4	c	42	75	33	8	5	-	-	9+	9+	1500
	Guernsey															
6	Pembroke	35.5	-2	ESE	4	c	32	97	31	7	5	-	-	10	10	2500
7	Holyhead	35.8	-2	N	1	z	35	85	29	5	5	-	-	2-3	2-3	2500
	Chester (Sealand)	37.4	-6	SE	2	z₀	34	65	25	5	-	-	-	0	0	-
8	Manchester	37.5	-8	ES	3	m	34	75	27	4	-	-	-	0	0	-
10	Spurn Head	37.7	-16	ENE	2	c	35	92	32	7	5	2	-	7-8	10	2500
	Catterick	38.6	-10	SE	1	z	36	75	28	6	5	-	-	2-3	2-3	3500
	Tynemouth	38.6	-10	E	2	bc	36	65	25	7	2	3	-	2-3	2-3	2600
11	St. Abbs Head	37.9	-12	NW	1	bc	34	85	28	8	4	-	-	2-3	2-3	2500
	Leuchars	37.7	-18	W	1	b	40	65	30	7	5	-	-	Tr	Tr	5700
12	Renfrew (Abbots I.)	38.0	-6	ESE	2	z	36	75	28	5	-	-	-	0	0	-
	Eskdalemuir	38.0	-8	N'E	1	b	30	85	23	7	-	-	-	0	0	-
	Point of Ayre	37.9	0	SSE	3	c	34	75	27	7	5	-	-	9+	9+	2000
13A	Tiree	39.0	-2	SE'S	1	bc	39	85	34	8	1	-	-	4-6	4-6	3500
13B	Stornoway	37.1	-8	ESE	3	b	42	75	34	8	1	-	-	Tr	Tr	3500
15	Dalwhinnie	37.7	-10	S	2	b	35	65	26	8	-	-	-	0	0	-
	Aberdeen	37.7	-16	NW'N	2	z	34	75	27	6	5	-	-	Tr	Tr	2500
	Wick	37.4	-14	W	2	c	40	75	35	8	5	-	-	7-8	10	2500
16	Sumburgh	36.2	-16	N	1	c	48	92	41	8	5	-	-	10	10	2500
17	Blacksod Point	33.0	-6	SE'S	4	z	37	75	30	6	5	-	-	9	9	2500
18	Malin Head	36.5	-2	SSE	3	c	35	85	31	6	8	-	-	9	9	1500
	Aldergrove	37.3	-4	NE	3	z	34	75	29	6	5	-	4	9	9+	1800
19	Birr Castle	34.4	-8	SE	3	c	35	75	29	8	5	-	-	10	10	2500
20	Valentia Obsy.	28.9	-14	ESE	5	c	44	65	34	7	5	-	-	10	10	4000
	Roches Point	32.2	-10	ESE	6	c	41	75	39	7	8	-	-	9+	9+	1500

OBSERVATIONS at 18h. 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)	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)	34.6	-8	NE	2	m	34	65	24	4	-	-	-	0	0	-	3	*
Croydon	34.1	-8	NE	1	bcf+	31	85	27	3	5	-	-	2-3	2-3	2500	3	*
S. Farnborough	34.6	-4	-	0	z	31	75	25	5	-	-	-	0	0	-	3	*
Boscombe Down	34.6	-10	E'N	3	z	29	85	24	6	-	-	-	0	0	-	3	*
Thorney Island	34.1	-10	NE'E	2	z	32	85	27	6	-	7	-	0	1	-	3	*
Lympne	34.1	-2	NNE	3	c	32	85	28	8	5	-	-	9+	9+	2500	1	§4
Manston	34.5	-2	NE'N	3	c	33	75	28	8	5	-	-	9+	9+	1600	1	*
Shoeburyness	24.8	-2	NE'E	3	c	32	85	28	8	5	3	-	7-8	9	2500	3	*
Felixstowe	35.3	-2	NE'E	3	c	32	75	22	7	5	-	-	9+	9+	1800	1	2
Gorleston	34.9	-14	NE'N	2	c	33	75	27	7	5	7	-	7-8	10	1500	1	3
Mildenhall	35.8	-2	NE	3	c	33	85	29	8	5	-	-	9+	9+	2000	0	*
Cranwell	35.8	-10	NE'N	3	c	31	85	26	7	5	-	-	9+	9+	2000	4	*
Birmingham	34.8	-12	ENE	2	m	31	75	25	4	-	-	-	0	0	-	3	*
Upper Heyford	35.2	-2	ENE	2	z₀	30	97	29	6	-	7	-	0	Tr	-	3	*
Ross-on-Wye	34.3	-14	NE	2	z₀	31	75	26	6	-	-	1	0	Tr	-	3	*
Hartland Point	32.1	-10	ENE	2	b	31	85	25	7	-	-	5	0	1	-	3	2
Bristol	34.7	-10	-	0	z	29	85	25	6	-	-	1	0	Tr	-	3	*
Portland Bill	33.1	-18	E	4	c	33	85	30	7	5	-	-	10	10	2500	1	4
Plymouth	33.0	-8	ENE	4	z₀	32	85	29	5	5	-	-	10	10	2000	0	3
The Lizard	30.2	-4	ESE	7	c	39	85	34	8	8	2	-	9	10	1500	0	5
Scilly (St. Mary's)	29.1	-10	ESE	5	c	41	75	35	8	5	-	-	9	9	1300	0	4
Guernsey																	
Pembroke	32.8	-8	ESE	4	c	34	97	31	6	4	1	-	4-6	10	2500	0	3
Holyhead	32.3	-14	-	0	z	33	85	29	5	-	-	3	0	2-3	-	0	2
Chester (Sealand)	35.1	-10	ESE	2	m	31	85	27	4	-	-	1	0	Tr	-	0	*
Manchester	35.6	-10	-	0	m	30	85	24	4	-	-	-	0	0	-	3	*
Spurn Head	36.1	-6	NNE	2	c	33	75	26	7	5	2	-	7-8	10	1500	0	3
Catterick	36.4	-10	-	0	m	31	85	28	4	-	-	-	0	0	-	1	*
Tynemouth	36.2	-10	E	2	bc	33	75	27	7	5	-	-	4-6	4-6	2500	1	2
St. Abbs Head	35.8	-8	NW	1	bc	32	85	29	8	4	4	-	1	2-3	2500	0	2
Leuchars	35.8	-10	-	0	z	34	85	29	6	-	-	-	0	0	-	1	*
Renfrew (Abbots I.)	35.4	-10	E'N	1	bf+	33	75	28	3	-	-	-	0	0	-	3	*
Eskdalemuir	35.9	-10	N'W	2	b	27	75	19	6	-	4	-	0	1	-	8	*
Point of Ayre	34.7	-16	SE'E	3	z₀	32	85	28	6	-	-	5	0	1	-	0	2
Tiree	34.4	-4	-	0	b	34	92	33	8	-	-	5	0	Tr	-	0	2
Stornoway	35.1	-14	ENE	2	b	36	85	32	8	1	-	-	1	1	3500	1	1
Dalwhinnie	36.7	-6	SSW	1	b	24	75	19	8	-	-	-	0	0	-	4	*
Aberdeen	35.3	-16	NW'W	2	c	36	65	25	6	-	3	-	0	9	-	4	2
Wick	35.4	-12	W'N	1	c/r	39	92	36	6	5	7	-	7-8	10	2000	1	*
Sumburgh	33.2	-18	NW'N	3	rc	42	92	40	6	5	-	-	9	9+	1500	1	2
Blacksod Point	30.4	-14	SE	5	z	37	65	27	6	5	-	7	2-3	4-6	2500	0	4
Malin Head	33.6	-18	SSE	1	bc	33	85	29	6	4	-	-	4-6	4-6	1500	0	3
Aldergrove	34.6	-20	ENE	2	m	31	92	29	4	5	-	8	2-3	4-6	1500	0	*
Birr Castle	32.2	-8	SE	3	c	33	85	29	8	5	-	8	4-6	9	2500	1	*
Valentia Obsy.	27.2	-6	ESE	5	c	42	75	35	7	5	1	-	9	10	4000	1	4
Roches Point	30.8	-8	ESE	6	c	38	75	31	7	8	-	-	9	9	2500	0	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 19th (39)	13h.—18h. 19th (40)	18h. 19th to 1h. 20th (41)	1h.—7h. 20th (42)
London (Kew)	cz	bcbz	bcfcx	cxcm₀
Croydon	cmcz	czbm₀	bfcmo	cm₀cm
S. Farnborough	m₀cbcz	bczbz	bm₀fomom₀	om₀
Boscombe Down	cm	bm	bcm₀	cm₀
Thorney Island	cmbcm₀	bm₀	bm₀cm₀	cm₀
Lympne	c	c	ccm₀sh	cm₀tc
Manston	cm₀c	c	shis₀s₀s₀is₀	cm₀is₀s₀
Shoeburyness	cmc	cbvc	c	cm₀
Felixstowe	cbc	bcc	ccm₀	cm₀c
Gorleston	c	c	cps₀h	cz₀s₀h
Mildenhall	cbc	bcc	ccm₀	cm₀
Cranwell	c	c	ccm₀	cm₀c
Birmingham	bcz	cbm	c	co
Upper Heyford	czs₀bc	bcbcm₀	bm₀	bcm₀cm₀
Ross-on-Wye	ozc	bbz	bz	bxcm₀
Hartland Point	cm₀	cb	b	b
Bristol	cis₀m₀	bcbm₀	bf, bf	cmx
Portland Bill	o	c	bco	oc
Plymouth		cm₀	cm₀	cm₀bcm₀x
The Lizard	c	c	cbc	bc
Scilly (St. Mary's)	c	c	c	cbc
Guernsey				
Pembroke	cm₀	cm₀	bcm₀	cm₀
Holyhead	cm₀	bcm₀	bmx	bbcmx
Chester (Sealand)	cbz	bzzmx	bmxf	bffxc
Manchester	bz	bz	bzm	bmf
Spurn Head	c	c	o	o
Catterick	cmbcm	bz₀mjf	bf	bfccm
Tynemouth	cbc	bc	bcff	bcffom
St. Abbs Head	cbc	bc	bc	bcc
Leuchars	cm₀bcb	bbm	bm₀bm₀x	bm₀bcm₀x
Renfrew (Abbots I.)	czbz	bzf	bfx	bfof
Eskdalemuir	oxbcb	bz	b	bbx
Point of Ayre	c	cbcbz	bz	bz
Tiree	bc	bc	b	b
Stornoway	bcb	b	bbc	bcc
Dalwhinnie	b	b	*	bbc
Aberdeen	bfxz	bzcz₀	cz₀	cz₀
Wick	bbcc	cirem₀	(d₀cp₀r	cpr₀c
Sumburgh	cism₀c	cir₀	ir₀m₀ir	c,b,cpr
Blacksod Point	bc	c	c	c
Malin Head	c	c	b	c
Aldergrove	cz	czbcm	bcmbx	bmx
Birr Castle	c	bc	*	c
Valentia Obsy.	c	c	bc	bc
Roches Point	bc	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 20th February, 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light easterly wind; mainly dull, occasional slight snow, cold, frost at night.
4 W. Midlands	Light variable wind, cloudy; fog in industrial areas; cold, frost at night.
5 S.W. England; 6 South Wales; 7 North Wales	Fresh S.E. wind, fair, variable cloud, rather cold.
8 N.W. England; 9 N. Midlands	Light variable wind, fair, fog in industrial areas, cold, frost at night.
10 N.E. England; 11 S.E. Scotland	Light variable wind becoming S.E. cloudy, occasional slight snow, temperature near freezing.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	As 8-9.
15 N.E. Scotland; 16 Orkneys and Shetlands	Light easterly wind, variable cloud, some snow showers, cold.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Fresh S.E. winds, strong on coast; fair with bright periods; rather cold.

GENERAL INFERENCE

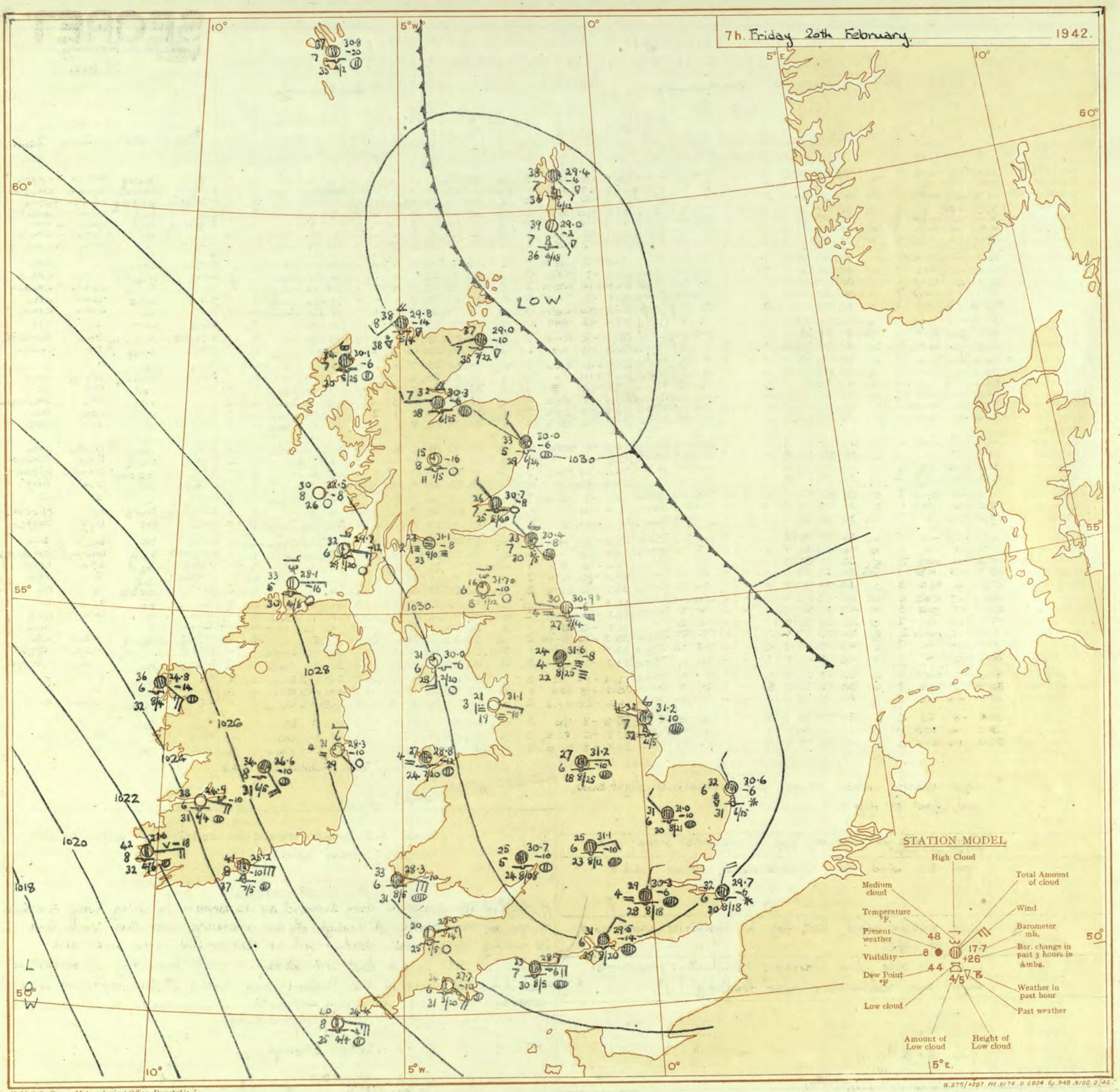
A ridge of high pressure from Iceland across Britain is giving way. Pressure is low on the Atlantic. A trough of low pressure over the North Sea is moving slowly west. Weather will be fair or fine in the west but cloudy or dull in the east with occasional slight snow. Fog will persist in the industrial areas of the Midlands and North. It will continue cold generally with frost in many districts.

FURTHER OUTLOOK

Little Change.

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

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



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

G.275/4207. Wt.8176. D.6034. Gp.948. 3100. 2/42.

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).

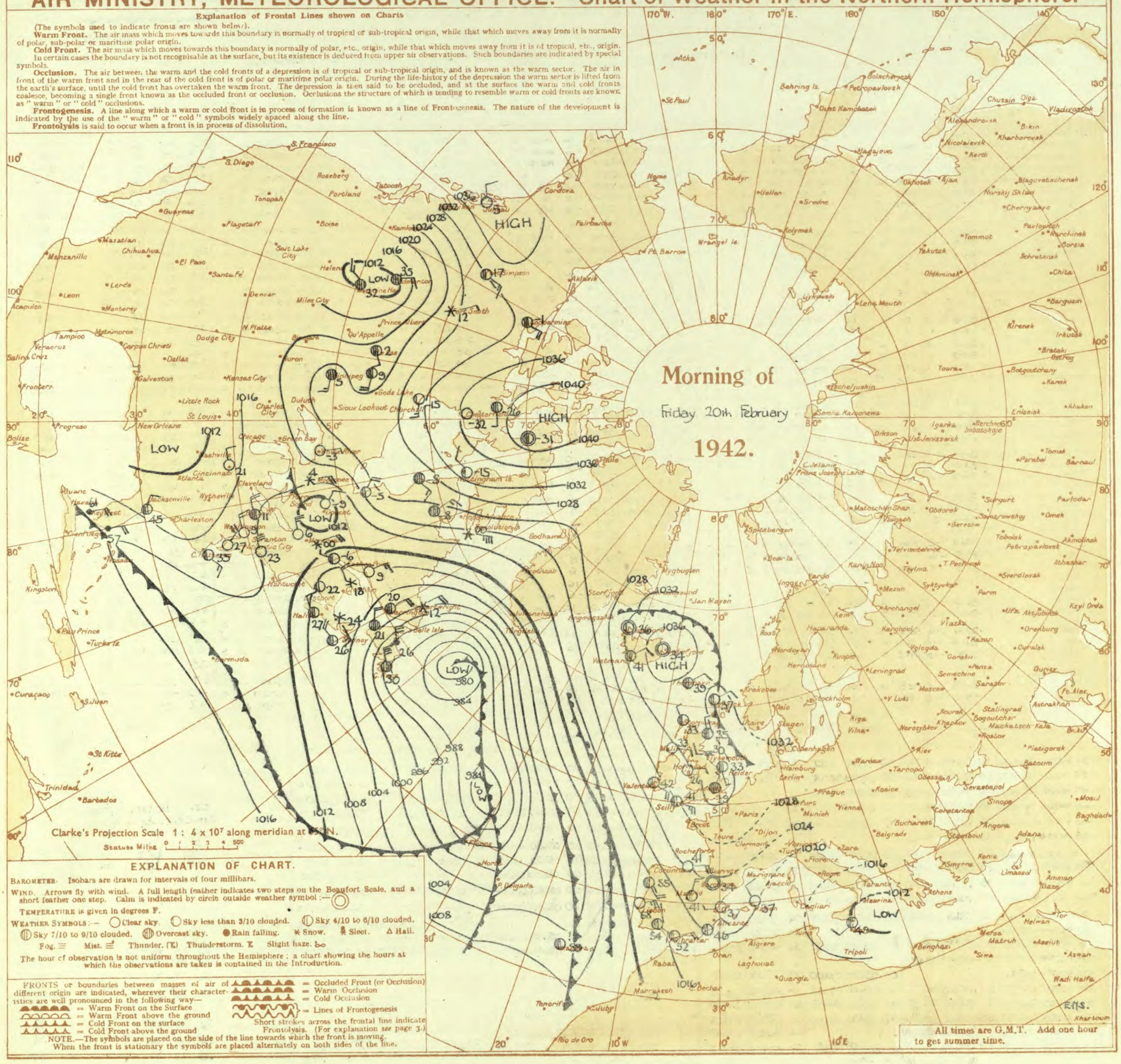
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Friday 20th February 1942

No. 29,310

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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon ...	217	32·6	-6	NNE	1	z_0	29	85	26	6	5	-	-	10	10	1500
	S. Farnborough	226	33·0	-2	E	3	o/f	28	85	25	5	5	-	-	10	10	1000
	Boscombe Down	417	33·0	-4	E'N	2	z_0	26	97	25	6	5	-	-	10	10	1200
	Thorney Island	10	32·4	-8	NE	3	z_0	30	85	26	5	5	-	-	10	10	1700
	Lympne ...	346	31·8	-12	NNE	1	sh	31	85	27	6	5	-	-	10	10	1600
	Manston ...	154	32·0	-10	NNE	3	is_0	34	85	29	6	5	-	-	9	9	1200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	32·6	-12	N'E	1	z_0	32	75	25	6	5	-	-	10	10	2600
	Gorleston ...	5	33·2	-6	NE	2	sh	32	85	29	6	5	-	-	10	10	1500
	Mildenhall ...	19	33·6	-10	E'N	2	z_0	31	92	29	6	5	-	-	10	10	1800
	Cranwell ...	240	34·0	-6	E	2	z_0	29	92	27	6	5	-	-	10	10	1200
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	33·0	-10	NE	2	z_0	26	92	23	6	5	-	-	4·6	4·6	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30·2	-14	E	3	b	28	85	24	6	-	-	-	0	0	-
	Bristol ...	209	33·4	-4	-	0	bf+	23	97	21	3	-	-	-	0	0	-
	Portland Bill ...	32	30·7	-14	E	4	c	32	85	29	7	5	2	-	7·8	10	2500
	Plymouth ...	82	30·3	-8	SE	3	z_0	35	85	31	6	5	-	-	9	9	2000
	The Lizard ...	240	27·9	-16	ESE	6	bc	40	85	35	8	8	-	-	4·6	4·6	1500
	Scilly (St. Mary's)	163	27·2	-10	ESE	5	c	41	75	35	8	5	-	-	7·8	7·8	1500
	Guernsey ...	175															
6	Pembroke ...	142	30·8	-10	ESE	5	bc	35	85	32	6	8	-	-	4·6	4·6	2500
7	Holyhead ...	26	31·2	-6	E	1	m	26	97	24	4	-	-	-	0	0	-
	Chester (Sealand)	16	34·0	-2	ESE	2	f+	24	97	22	3	-	-	-	0	0	-
8	Manchester ...	235	34·0	-6	-	0	m	22	92	18	4	-	-	-	0	0	-
10	Spurn Head ...	29	34·0	-6	SSE	1	o	33	92	32	7	5	-	-	10	10	1500
	Catterick ...	175	34·1	-6	-	0	bf	32	92	31	3	-	-	-	0	0	-
	Tynemouth ...	108	33·7	-4	W	2	bcf	30	85	27	3	5	-	-	4·6	4·6	1500
11	St. Abbs Head	280	33·2	-4	NW	1	bc	32	85	28	7	4	4	-	2·3	4·6	2500
	Leuchars ...	36	33·3	-10	W	2	z_0	28	92	26	5	5	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	19	33·6	-8	-	0	bf	23	97	23	2	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	32·4	-8	SSE	*	z_0	32	85	29	5	*	*	*	*	*	*
13A	Tiree	22	33·5	-6	-	0	b	31	92	30	8	-	-	-	0	0	-
13B	Stornoway ...	80	32·8	-8	NW	1	bc	33	92	32	7	5	-	-	2·3	2·3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Wick ...	119	31·6	-16	WSW	2	c/pr	37	92	36	7	8	4	-	7·8	9	2800
16	Sumburgh ..	30	30·5	-10	ESE	2	c/r	39	97	38	7	5	-	-	7·8	7·8	1500
17	Blacksod Point	18	27·6	-18	SE'E	6	z_0	34	75	28	6	5	-	-	2·3	2·3	1500
18	Malin Head ...	84	31·4	-14	E	1	b	33	85	29	7	-	-	-	0	0	-
	Aldergrove ...	268	32·8	-10	ENE	1	m	27	97	27	4	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·8	-14	E'S	4	bc	42	75	36	8	5	-	-	4·6	4·6	4000
	Roches Point	22	28·2	-14	ESE	6	c	39	85	36	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. 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)	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)	30·3	-16	NNE	2	z_0	30	75	25	6	5	-	-	10	10	2500	3	*
	Croydon ...	30·3	-6	NNE	2	m	29	92	28	4	5	-	-	10	10	1800	3	*
	S. Farnborough	30·4	-14	NE'E	2	z_0	29	85	25	5	5	-	-	10	10	1000	3	*
	Boscombe Down	31·1	-10	-	0	z_0	26	97	25	6	5	-	-	10	10	1200	3	*
	Thorney Island	29·5	-14	NE	2	z_0	31	85	29	6	5	-	-	10	10	2000	0	*
	Lympne ...	29·4	-6	N	2	c	31	92	29	7	5	-	-	10	10	1500	3	§3
	Manston ...	29·7	-6	N'E	4	z_0	32	92	30	6	5	-	-	10	10	1800	8	*
2	Shoeburyness ...	30·1	-8	N	2	c	31	85	27	6	5	-	-	10	10	2500	3	*
	Felixstowe ...	30·4	-8	NNE	2	c	33	85	28	7	5	-	-	10	10	3000	3	2
	Gorleston ...	30·6	-6	N'W	2	ps	32	92	31	6	8	-	-	9	10	1500	4	2
	Mildenhall ...	31·0	-10	NW	2	z_0	31	97	30	6	5	-	-	10	10	2100	0	*
	Cranwell ...	31·4	-10	-	0	c	28	97	27	7	5	-	-	10	10	1200	4	*
3	Birmingham ...	31·3	-8	E	2	z_0	25	85	21	5	5	-	-	10	10	800	3	*
	Upper Heyford	31·1	-10	ENE	2	z_0	25	92	23	6	5	-	-	10	10	1200	3	*
4	Ross-on-Wye	30·7	-10	-	0	z_0	25	97	24	5	5	-	-	10	10	800	3	*
5	Hartland Point	27·0	-14	ENE	3	b	30	85	25	6	4	-	-	Tr	Tr	2500	3	3
	Bristol ...	31·1	-6	E	2	m	26	97	23	4	5	-	-	10	10	1200	3	*
	Portland Bill ...	28·7	-6	E	4	c	33	85	30	7	5	-	-	10	10	2500	1	4
	Plymouth ...	27·7	-10	SE	4	z_0	34	85	31	6	5	-	-	2·3	2·3	2000	0	3
	The Lizard ...	25·7	-10	ESE	6	bc	40	85	35	8	8	-	-	4·6	4·6	2500	0	5
	Scilly (St. Mary's)	24·4	-4	ESE	5	bc	40	85	35	8	5	-	-	4·6	4·6	1500	0	4
	Guernsey ...																	
6	Pembroke ...	28·3	-10	E'S	6	c	33	92	31	6	5	-	-	10	10	2500	0	3
7	Holyhead ...	28·8	-12	-	0	m	27	85	24	4	5	-	-	9+	9+	2000	3	1
	Chester (Sealand)	31·0	-10	SE	3	m/f	27	75	29	4	5	-	-	10	10	1400	3	*
8	Manchester ...	31·2	-12	-	0	m	22	92	20	4	-	-	-	0	0	-	3	*
10	Spurn Head ...	31·2	-10	WNW	3	c	32	92	30	7	8	7	-	4·6	9+	2500	0	3
	Catterick ...	31·6	-8	-	0	m/f	24	92	22	4	5	-	-	10	10	2500	1	*
	Tynemouth ...	30·9	-6	WNW	2	m	30	85	27	4	5	-	-	9+	9+	1500	3	3
11	St. Abbs Head	30·4	-8	NW	1	c	33	85	30	7	5	7	-	7·8	9+	2500	0	2
	Leuchars ...	30·7	-8	NW	1	c	26	92	25	7	5	-	-	7·8	7·8	4000	3	*
12	Renfrew (Abbots I.)	31·1	-8	-	0	f+	23	97	23	8	-	-	-	10	10	1500	3	*
	Eskdalemuir ...	31·7	-10	-	0	b	16	75	18	6	5	3	1	Tr	1	1200	9	*
	Point of Ayre ...	30·0	-6	SE	4	z_0	31	85	28	6	5	-	-	1	1	2000	3	4
13A	Tiree	32·5	-8	-	0	b	30	92	22	8	-	-	-	0	0	-	3	2
13B	Stornoway ...	30·1	-6	-	0	c	34	92	30	7	5	7	-	7·8	9+	2500	1	1
15	Dalwhinnie ...	31·7	-16	-	0	b	15	85	11	8	4	-	-	Tr	Tr	2500	4	*
	Aberdeen ...	30·0	-6	NW	1	c	33	85	29	8	5	-	-	9	9	2400	4	1
	Wick ...	29·0	-10	WSW	2	c	37	92	35	7	5	-	-	9+	9+	2200	1	*
16	Sumburgh ..	29·0	-2	SE	1	bc	39	92	36	7	8	-	-	4·6	4·6	1800	1	3
17	Blacksod Point	24·8	-14	SE'E	5	z_0	36	85	32	6	5	-	-	10	10	1500	0	4
18	Malin Head ...	25·1	-16	E	1	z_0	33	85	29	5	4	6	8	4·6	4·6	4000	0	3
	Aldergrove ...																	*
19	Birr Castle ...	26·6	-10	SE	4	c	34	85	30	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	21·6	-18	E'N	4	bc	42	65	31	8	5	-	-	4·6	4·6	4000	1	4
	Roches Point	25·2	-10	ESE	6	c	41	85	37	8	8	-	-	9+	9+	2500	0	*

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 19th Hrs. (38)
1	London (Kew)	35	29	16	-	-	2·2
	Croydon ...	34	28	23	-	-	8·2
	S. Farnborough	34	22	15	-	-	2·4
	Boscombe Down	33	23	15	-	-	0·4
	Thorney Island	36	[illegible]	14	-	-	*
	Lympne ...	36	29	27	-	0·1	1·7
	Manston ...	37	31	27	-	0·6	0·8
2	Shoeburyness ...	38	30	27	-	-	3·3
	Felixstowe ...	37	32	29	-	-	3·9
	Gorleston ...	35	32	29	-	Tr	*
	Mildenhall ...	38	30	26	-	-	6·2
	Cranwell ...	34	28	27	-	-	0·2
3	Birmingham ...	33	24	19	-	-	4·2
	Upper Heyford	35	24	21	Tr	-	*
4	Ross-on-Wye	35	20	12	-	-	4·1
5	Hartland Point	32	27	23	-	-	3·1
	Bristol ...	35	21	10	-	-	3·9
	Portland Bill ...	34		*	-	-	*
	Plymouth ...	34	30	29	-	-	0·0
	The Lizard ...	41	38	*	-	-	0·0
	Scilly (St. Mary's)	43	40	*	-	-	0·9
	Guernsey ...						
6	Pembroke ...	35	29	*	-	-	0·8
7	Holyhead ...	*	25	18	-	-	*
	Chester (Sealand)	35	23	20	-	-	4·7
8	Manchester ...	35	20	12	-	-	*
10	Spurn Head ...	35	31	*	-	-	0·3
	Catterick ...	37	21	16	-	-	4·5
	Tynemouth ...	36	29	27	-	-	*
11	St. Abbs Head	36	29	*	-	-	*
	Leuchars ...	40	26	20	-	-	6·5
12	Renfrew (Abbots I.)	37		18	-	Tr	3·4
	Eskdalemuir ...	34	13	7	-	-	6·6
	Point of Ayre ...	36	31	*	-	-	3·6
13A	Tiree	40	28	*	-	-	7·2
13B	Stornoway ...	42	31	*	-	-	9·0
15	Dalwhinnie ...	40	13	9	-	-	7·9
	Aberdeen ...	37	33	31	-	-	6·0
	Wick ...	41	35	33	0·6	2	*
16	Sumburgh ..	44	38	35	0·1	2	*
17	Blacksod Point	38	32	*	-	-	*
18	Malin Head ...	37	34	30	-	-	1·3
	Aldergrove ...	35			-		
19	Birr Castle ...	37	30	28	-	-	0·0
20	Valentia Obsy.	45	41	-	-	-	3·5
	Roches Point	42	38	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th February			18h. G.M.T.			01h. G.M.T. 20th 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 5-	02766	26426	52	02866	26227	52	02747	27227	5-	02747	27227
115 54	01951	10213	53	02854	10225	52	02844	20387	52	81845	20288
203 04	00330	12101	04	00390	04402	50	00943	12303			
206 00	00800	00000	00	05530	00000	52	05655	24127	52	02756	24228
210 00	00790	14202	03	00790	00013	57	02755	20328	57	02864	18228
220 53	01854	15116	40	01863	14103				--	00790	09100
230 0	00890	00001	00	00890	00001	00	00790	00000	00	00890	00000
245 50	00851	22101	50	00851	24101	57	02751	22327	57	02766	23327
260 5-	05661	05111	00	05630	01100	50	08463	15213	50	08463	12213
278 50	05651	10303	00	05690	12201	00	05630	12200	00	05590	12200
279 00	05630	05300	00	05690	04200	00	05590	00000	04	05590	00001
285 5-	05644	08314							5-	02746	32316
288 5-	05657	22127	07	41490	04143	00	43290	16140	51	41648	20248
575 5-	02748	11328	5-	05647	10437						
301 00	05590	10320				00	08490	08100	00	47390	10140
321 5-	02757	02227	5-	05665	04125	5-	05648	07228	5-	05648	22128
299 5-	02767	20125	5-	02755	04115	50	01763	04113	5-	01755	24215
292 5-	02857	04227	50	05661	00001	00	08490	00000	5-	08458	00018
310 --	01634	08414	--	04434	10314				--	46209	10349
614 50	02754	06214	40	05664	06214	5-	05558	10128	5-	05658	08128

13h. G.M.T. 19th February			18h. G.M.T.			01h. G.M.T. 20th 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 00	00690	06122	00	00690	25103	00	00590	00000	03	01590	00002
334 —	05590	06202	--	05572	10213				--	01653	02614
340 5-	05654	12325	00	05590	08200	5-	05648	16228	5-	05648	16228
136 5-	02567	04327	5-	02867	05227	5-	79748	00028	5-	78648	28278
336 50	05658	06428	50	08443	12314				--	46309	12343
350 5-	02755	06325	05	05690	04311	5-	05648	08208	5-	05648	05228
368 5-	05648	08428	00	05590	08300	00	08490	07300	5-	08448	10418
379 50	01743	04373	00	05690	04310				5-	05648	08228
390 50	01734	06324	50	05663	05213	5-	05348	05228	5-	05648	01328
382 50	01764	08324	00	05630	05200	5-	05647	06227	5-	05648	03128
438 10	01754	04514							50	02648	02428
430 50	01743	06313	00	05630	04300	5-	05648	06318	5-	02758	04328
409 5-	05648	08428	5-	05646	10426	50	05643	08413	50	05651	10402

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

§ Sea disturbance reported from Dungeness.

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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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cz_0	$bcbz_0$	$bcfxm_0$	
Croydon ...	cm_0cz_0	cz_0bm_0	$bfcm_0$	
Greenwich ...	c	cb	bc	Kew 24 hours ended 7h. Max. 0·7 Time 19th; Min. <0·1 Time 20th
Camden Square	o	bc	*	
Kensington ...	bc	bcz	*	
Hampstead ...	ox	bc	ox	

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	35	29	16	-	-	2·2	*	*
Croydon ...	39	28	23	-	-	3·2	*	*
Greenwich ...	36	28	20	-	-	2·1	69	75
Westminster ..	36	30	29	-	-		73	91
Regents Park ...								
Camden Square	38	28	22	-	-	*	*	83
Kensington ...	36	30	24	-	-		81	34
Hampstead ...	35	27	22	-	-		*	94

Page 1 BRITISH SECTION

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

SECRET

Saturday 21st February 1942

No. 29,311

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)	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)	27.9	-14	NE	2	z	33	65	24	5	5	-	-	10	10	2500
	Croydon	28.0	-14	NE'N	2	zo	33	75	25	5	5	-	-	10	10	2000
	S. Farnborough	28.2	-18	NE'N	2	zo	32	75	27	5	5	-	-	10	10	1700
	Boscombe Down	28.0	-20	ENE	3	zo	29	85	25	6	5	-	-	10	10	1100
	Thorney Island	27.1	-22	ENE	2	c	36	75	27	7	5	-	-	10	10	4000
	Lympne	27.1	-14	NNE	2	c	34	75	28	8	5	-	-	10	10	1500
	Manston	27.3	-14	NNE	4	c	34	75	28	8	5	-	-	9+	9+	1800
2	Shoeburyness	27.9	-14	N'E	3	c	36	65	27	8	5	-	-	10	10	3000
	Felixstowe	28.0	-18	N'W	2	c	35	75	29	7	5	-	-	10	10	2500
	Gorleston	28.2	-14	NE'N	2	c	36	75	29	7	5	7	-	4-6	9+	2000
	Mildenhall	28.8	-14	NNW	2	o/s	33	85	29	7	5	-	-	10	10	1500
	Cranwell	29.1	-14	NNW	2	is	31	85	28	7	5	-	-	10	10	1400
3	Birmingham	28.6	-10	SE	2	z	26	92	24	6	5	·	-	10	10	800
	Upper Heyford	28.6	-20	-	0	rs	29	92	26	6	5	2	·	7-8	10	1500
4	Ross-on-Wye	28.5	-14	E	2	z	27	85	23	6	5	-	-	10	10	800
5	Hartland Point	25.1	-16	ENE	3	bc	35	75	23	7	1	-	-	1	2-3	2500
	Bristol	28.7	-14	ESE	2	z	29	85	23	6	5	-	-	10	10	1200
	Portland Bill	25.6	-24	E	4	c	36	85	30	7	4	4	-	7-8	10	4000
	Plymouth	25.4	-14	E'S	5	z	37	75	30	7	5	-	-	9	9	2500
	The Lizard	25.0	-4	ESE	6	c	40	85	35	8	8	4	-	7-8	7-8	2500
	Scilly (St. Mary's)	22.6	-10	ESE	5	bc	44	75	37	8	5	-	-	4-6	4-6	1800
	Guernsey															
6	Pembroke	26.2	-8	ESE	6	c	33	85	29	6	4	-	-	9	9	2500
7	Holyhead	26.6	-14	N	1	z	38	85	33	5	-	-	4	0	4-6	-
	Chester (Sealand)	28.3	-18	SSE	3	z	33	75	25	5	-	-	-	0	0	-
8	Manchester	29.0	-18	SW	2	z	32	75	26	6	5	-	-	2-3	2-3	5000
10	Spurn Head	29.0	-16	WNW	3	o	32	92	30	5	5	-	-	10	10	1500
	Catterick	29.5	-10	SE	1	m	31	92	30	4	5	7	-	4-6	10	5000
	Tynemouth	28.2	-8	WNW	2	m	33	85	29	4	5	-	-	9+	9+	2500
11	St. Abbs Head	28.5	-2	NW	1	o	35	85	31	6	5	-	-	10	10	1500
	Leuchars	29.3	-6	-	0	z	33	85	29	5	5	-	-	10	10	3500
12	Renfrew (Abbots I.)	28.9	-18	-	0	f	25	97	25	0	5	-	-	10	10	<150
	Eskdalemuir	28.4	-8	-	0	c	37	85	34	7	5	-	-	7-8	7-8	3500
	Point of Ayre	28.4	-10	SSE	3	z	39	65	29	6	-	-	-	0	0	-
13A	Tiree	28.2	-10	SE'S	1	b	42	85	38	8	-	-	5	0	Tr	-
13B	Stornoway	28.6	-6	-	0	c	41	92	40	8	5	7	-	7-8	10	2500
15	Dalwhinnie	29.0	-6	SSW	3	bc	39	75	32	8	7	4	1	Tr	2-3	2500
	Aberdeen	29.2	-6	SW'W	1	m	40	75	32	4	5	-	-	9+	9+	2300
	Wick	28.7	-2	S	2	c	41	85	38	7	5	-	-	7-8	9	4000
16	Sumburgh	28.9	-2	SE'S	3	c/pr	42	92	40	8	8	-	-	7-8	7-8	1500
17	Blacksod Point	28.0	-10	SE'S	4	z	40	75	33	6	5	-	-	9	9	5700
18	Malin Head	26.2	-14	SSE	3	z	40	65	30	5	-	-	1	0	2-3	-
	Aldergrove	27.6	-14	E	1	z	40	65	30	5	·	-	2	0	2-3	-
19	Birr Castle	25.2	-10	SE	3	c	42	65	32	8	5	-	5	2-3	9	2500
20	Valentia Obsy.	20.2	-12	E'S	4	c	48	65	37	9	5	3	1	2-3	7-8	5700
	Roches Point	24.1	-6	SE'E	6	c	42	65	32	8	5	3	-	4-6	7-8	1500

OBSERVATIONS at 18h. 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)	24.9	-14	NE'E	3	zo	33	65	25	5	5	-	-	10	10	1500	3	*
Croydon	25.1	-12	NE	3	sh	32	75	26	5	5	-	-	4-6	10	2000	3	*
S. Farnborough	24.8	-14	NE'E	1	z	33	75	25	5	5	2	·	7-8	10	2000	1	*
Boscombe Down	25.3	-6	ENE	2	z	31	85	27	5	5	-	-	10	10	2000	3	*
Thorney Island	24.3	-12	NE'E	3	z	34	92	31	6	5	-	-	10	10	2500	0	*
Lympne	24.6	-10	N	2	c	32	85	28	8	7	-	-	10	10	2500	1	§3
Manston	24.4	-18	N'E	4	z	33	85	29	6	5	-	-	10	10	3000	1	*
Shoeburyness	24.8	-12	N	2	c	33	97	32	6	5	-	-	10	10	2800	1	*
Felixstowe	25.1	-10	N'E	1	z	35	85	30	6	5	-	-	7-8	10	2500	1	2
Gorleston	26.4	-6	NE	3	ps	35	75	28	5	6	·	·	10	10	800	1	2
Mildenhall	25.9	-18	N'E	2	z	31	92	29	6	5	-	·	9+	9+	5000	3	*
Cranwell	26.4	-10	NNE	2	z	31	92	29	5	5	·	·	9+	9+	5000	4	*
Birmingham	25.8	-10	NE	1	of+	31	85	27	3	5	-	-	10	10	800	3	*
Upper Heyford	25.6	-8	ENE	1	z	31	92	28	6	5	-	·	10	10	1300	3	*
Ross-on-Wye	25.5	-12	N	2	z	28	85	24	5	5	·	·	10	10	800	3	*
Hartland Point	22.9	-8	ENE	3	c	30	75	23	7	5	-	6	4-6	7-8	2500	3	3
Bristol	25.9	-12	E'N	2	of+	29	85	26	3	5	·	·	10	10	1100	3	*
Portland Bill	22.9	-8	ENE	4	c	35	85	29	7	5	2	·	4-6	10	4000	1	5
Plymouth	22.7	-14	ESE	4	zo	36	75	28	6	5	-	-	9+	9+	2000	0	3
The Lizard	21.0	-18	ESE	6	c	39	75	32	8	8	2	-	7-8	9+	1500	0	5
Scilly (St. Mary's)	19.8	-16	ESE	5	c	40	75	32	8	5	4	·	4-6	7-8	1800	0	5
Guernsey																	
Pembroke	23.7	-20	ESE	5	c	32	92	29	6	8	1	-	7-8	9	2500	0	3
Holyhead	23.8	-10	ENE	2	zo	34	75	29	5	-	-	4	0	1	-	0	1
Chester (Sealand)	26.2	-6	ESE	2	m	31	85	27	4	5	-	·	10	10	2500	0	*
Manchester	26.6	-10	-	0	c	32	85	29	6	5	3	-	4-6	10	4500	3	*
Spurn Head	26.2	-10	NW'N	3	psn	33	97	32	4	5	-	-	10	10	1500	0	3
Catterick	26.7	-14	WNW	1	cf+	34	92	31	3	-	7	·	0	10	-	1	*
Tynemouth	27.1	-12	NNW	3	c/pr	37	85	33	6	8	·	-	9	9	2000	1	3
St. Abbs Head	27.8	-6	NW	1	io	36	92	33	5	5	2	-	9	10	1500	1	1
Leuchars	27.7	-6	·	0	m	35	75	29	4	5	-	-	10	10	3000	3	*
Renfrew (Abbots I.)	26.8	-8	-	0	bcf+	28	97	28	2	·	-	2	0	4-6	-	3	*
Eskdalemuir	26.7	-4	NE'E	2	c	35	65	24	6	5	·	·	10	10	2200	4	*
Point of Ayre	25.8	-2	E'S	2	z	37	75	29	6	5	-	·	1	1	5000	0	2
Tiree	25.8	-4	SE	1	b	36	85	32	8	-	-	5	0	1	-	0	2
Stornoway	26.5	-4	-	0	c	41	85	36	8	5	7	-	7-8	9+	2500	1	1
Dalwhinnie	27.4	-4	-	0	bc	30	65	20	8	7	4	-	Tr	2-3	4000	4	*
Aberdeen	28.5	-2	SE'S	2	[illegible]	38	97	37	4	6	2	·	7-8	10	1900	4	2
Wick	27.9	-2	SSE	3	c	40	75	32	7	6	·	·	10	10	5000	1	*
Sumburgh	29.9	+4	SSE	2	c/pr	40	85	37	7	8	-	·	9+	9+	1500	1	3
Blacksod Point	24.0	-6	SSE	4	c	41	75	34	7	5	-	·	9+	9+	4000	0	4
Malin Head	24.4	-6	SSE	1	z	36	85	32	5	-	3	·	0	2-3	-	0	2
Aldergrove	25.4	-6	ESE	1	m	35	85	29	4	-	-	9	0	1	-	0	*
Birr Castle	23.0	-8	SE	2	c	37	75	30	8	5	-	-	7-8	7-8	4000	1	*
Valentia Obsy.	18.7	-10	ESE	5	c	43	65	33	9	1	3	1	Tr	7-8	2500	1	4
Roches Point	21.6	-10	SE'E	6	c	41	75	34	8	5	4	-	7-8	9	1500	0	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 20th (39)	Weather 13h.—18h. 20th (40)	Weather 18h. 20th to 1h. 21st (41)	Weather 1h.—7h. 21st (42)
London (Kew)	oi zcz	cz	czomo	CSomoCmo
Croydon	cmiszcz	czzcz	ogosh	oshmcmo
S. Farnborough	omzco	ocz	zomc	omSoSoMoh
Boscombe Down	cmo	cmz		cmo
Thorney Island	cmzc	ccmz		
Lympne	cmzisc	ccmzSc	CSoSoiSo	CMoiSoC
Manston	cmzc	cSps,cm	CMoiSoSSiS	CMoiSoC
Shoeburyness	cmzc	cxmzc	CMo	CMohoc
Felixstowe	cisc	ciscmz	iSohocmo	CiSomo
Gorleston	cz ps	cps	posbcc	oiSoq
Mildenhall	cissho	ccm	CMoSoSom	CMoSoSo
Cranwell	cis	Sobcm	CMom	CmiSmsh
Birmingham	oz	ozf	obc	bcdposh
Upper Heyford	iSo cSom	cSScm	CMo	CMoeshmo
Ross-on-Wye	omzo	oz		com
Hartland Point	bbc	bcc	b	bcc
Bristol	cmis m	comisf	ofm	omf
Portland Bill	c	c		o
Plymouth	bcmzcm	cmz	cbbcmo	bcmocmo
The Lizard	bcc	c	c	cprc
Scilly (St. Mary's)	c	bcc	cbcc	c
Guernsey				
Pembroke	cmz	cmz	bmcmo	
Holyhead	bcmzx	bcbmz	bmo	CMox
Chester (Sealand)	bcmbmz	bcmc	cmshx	CMxSh
Manchester	bmxcf	cmz	ciSom	fiSom
Spurn Head	omz	ophs	o	CSoSo
Catterick	cm	cmcf	cfroSom	CSoSom
Tynemouth	cm	cmpo	cpoo	ops F
St. Abbs Head	cm	cmzis	irocrs	Cros
Leuchars	cmz	cmcm	dfcirocmo	ccshSoSo
Renfrew (Abbots I.)	oFx	oFbcfx	bcfxof	mdoshc
Eskdalemuir	bx bcy	bcy	cycisо	ciSo
Point of Ayre	bcbz	bz	bbcco	ocbcc
Tiree	b	bcb	b	bcc
Stornoway	c	c	cbc	bcc
Dalwhinnie	bcy	bc	mdoshc	bco
Aberdeen	czfz	eroSm	cirom	czoiroh
Wick	cbcc	bcc	ccmoc	croc
Sumburgh	cprbc	bccpr	c	cciro
Blacksod Point	c	c	bc	bc
Malin Head	bc	bc	zo	bc
Aldergrove	bx, bcz	bcz bz	bmbmo	bcmocmo
Birr Castle	bc	bc		bc
Valentia Obsy.	bc	bc	b	bc
Roches Point	bc	bc	c	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 21st February, 1942.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate N.E. to E. winds, fresh locally on the coast later; dull; occasional snow, mostly slight; practically continuous frost.
5 S.W. England, 6 South Wales	Moderate to fresh easterly winds, strong at times on the coast; cloudy to overcast; slight snow locally at first; chance of general snowfall later; temperature mainly near freezing point except on extreme S.W. coast.
7 North Wales, 8 N.W. England, 9 N. Midlands	Light to moderate easterly winds; mainly cloudy; slight snow locally occasionally; cold with frost in many places.
10 N.E. England, 11 S.E. Scotland	Moderate E. to S.E. winds; overcast; occasional snow showers cold with temperature near freezing point.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Light to moderate SE. to E. winds; mainly cloudy; local wintry showers on the northeast coast. Cold with frost locally at night.
16 Orkneys and Shetlands, 17 N.W. Ireland, 18 N. E. Ireland	AS 12 - 15.
19 S. E. Ireland, 20 S. W. Ireland	Moderate to fresh Easterly winds, strong on coast with chance of gale; mainly overcast; cold.

GENERAL INFERENCE

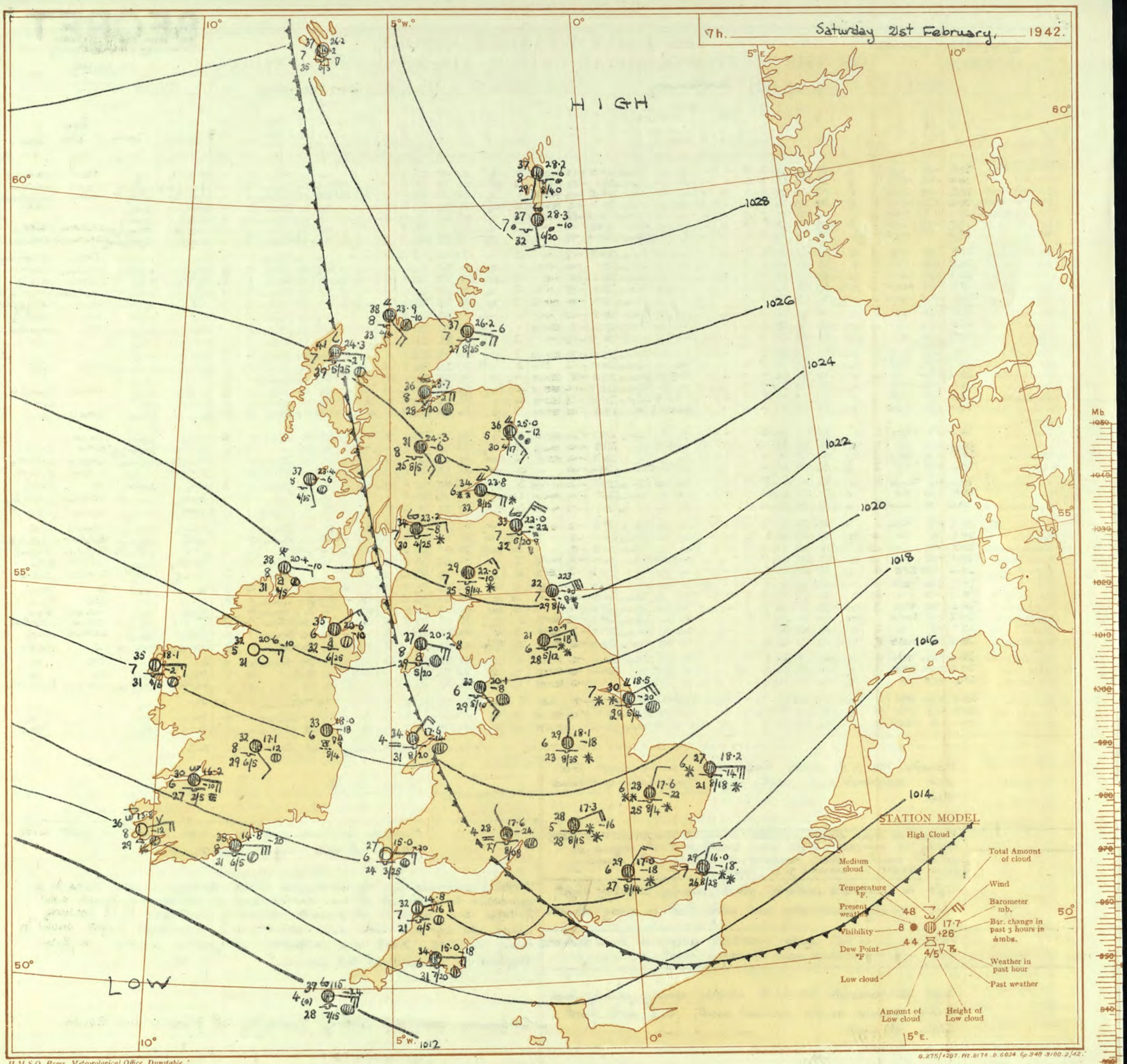
Pressure continues high to northward of the British Isles. There is a depression to northeast of the Azores and an associated trough over Portugal and Spain is at present spreading northeast. Cold easterly winds will continue with dull weather and occasional slight snow in many districts. There is a possibility of general snowfall in S.W. England by the end of the period.

FURTHER OUTLOOK

Continuing cold and wintry. Possibility of snow in the South.

Forecasts issued at 10.30. G.M.T.

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



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

B.275/4207. Wt.8176. D.6034. Gp.948. 9100. 2/42.

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).

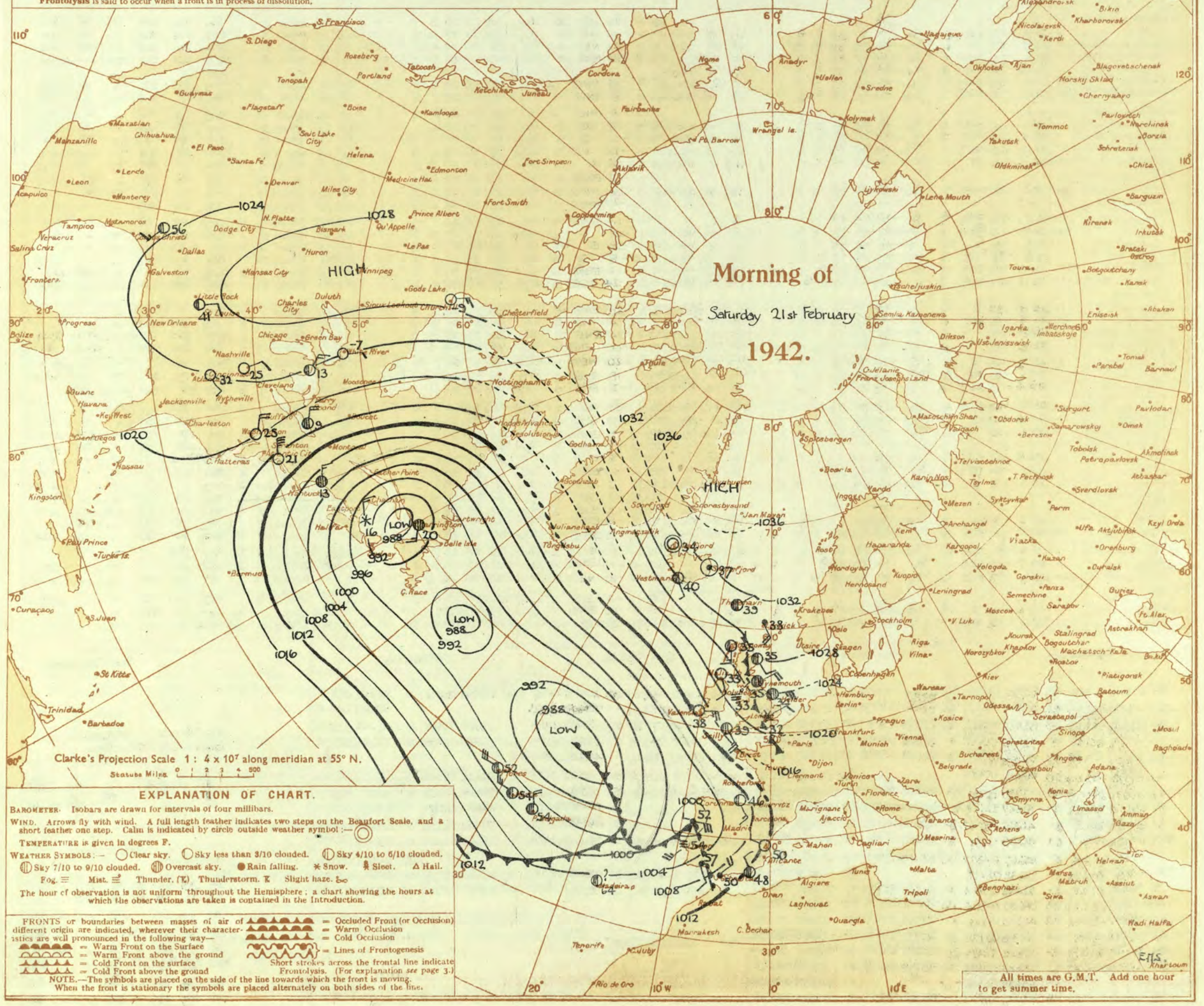
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Saturday 21st February 1942

No. 29,311

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	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon	217	21·1	-22	NE	2	Sh	32	92	30	4	5	-	-	10	10	900
	S. Farnborough	226	20·8	-22	N	1	m	31	85	28	4	5	-	-	10	10	800
	Boscombe Down	417	21·2	-22	NNE	1	zo	30	85	26	6	5	-	-	10	10	3000
	Thorney Island	10	20·3	-24	NE	3	zo	32	85	27	5	5	-	-	10	10	3800
	Lympne	346	21·1	-38	NNW	1	iSo	30	92	29	6	7	-	-	10	10	2700
	Manston	154	20·2	-22	NNE	4	o/s	33	85	27	5	5	-	-	10	10	3600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	21·1	-16	NEE	3	zo	32	85	27	6	5	-	-	10	10	2500
	Gorleston	5	22·2	-10	ENE	5	zo	32	85	28	6	5	-	-	10	10	1500
	Mildenhall	19	21·4	-22	NE'N	2	o/s	32	97	32	5	5	-	-	10	10	2300
	Cranwell	240	22·0	-26	N	1	m	31	97	30	4	5	-	-	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·5	-18	NNE	2	zo	29	97	27	6	5	-	-	10	10	3200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·7	-26	ENE	4	b	30	75	23	7	-	-	-	0	0	-
	Bristol	20	22·9	-14	ENE	3	m	31	85	28	4	5	-	-	10	10	2800
	Portland Bill	32	19·8	-14	E	4	o	32	85	29	7	5	-	-	10	10	2500
	Plymouth	82	18·5	-22	ESE	4	zo	32	85	29	6	5	-	-	4-6	4-6	2000
	The Lizard	240	16·6	-28	ESE	6	c	39	75	32	8	8	2	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	16·4	-10	ESE	5	c	39	75	31	8	8	-	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	20·6	-22	E	5	c	32	97	32	6	8	-	-	9	9	2500
7	Holyhead	26	21·4	-12	NE	1	m	33	85	29	4	5	-	-	10	10	2100
	Chester (Sealand)	16	22·8	-18	-	0	m	30	85	26	4	5	-	-	10	10	2000
8	Manchester	235	22·6	-22	-	0	sf	31	97	31	3	5	-	-	10	10	1500
10	Spurn Head	29	23·0	-10	E	5	o	34	85	30	7	5	-	-	10	10	1500
	Catterick	175	24·1	-18	NE	3	m/f	34	92	32	4	5	-	-	7-8	10	1400
	Tynemouth	108	25·4	-10	ENE	4	o	35	85	31	7	6	-	-	10	10	800
11	St. Abbs Head	280	25·9	-10	ESE	4	rs	33	97	33	7	8	2	-	7-8	10	1500
	Leuchars	36	26·4	-10	E	3	o/r	36	92	33	6	5	-	-	10	10	3000
12	Renfrew (Abbots I.)	19	25·2	-10	E	2	m/f	36	92	33	4	5	3	-	7-8	10	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	23·4	+6	SE	2	c	36	85	30	7	-	2	-	0	10	-
13A	Tiree	22	24·8	-6	SE'S	1	b	35	85	32	8	-	-	-	0	0	-
13B	Stornoway	80	25·2	-8	S	3	bc	35	85	30	7	5	4	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Wick	119	27·8	-2	SSE	3	c	39	75	31	7	5	-	-	7-8	9+	2400
16	Sumburgh	30	29·8	-2	SSE	3	c	39	75	31	7	5	-	-	10	10	2500
17	Blacksod Point	18	19·6	-8	SSE	4	bc	37	75	30	7	5	-	-	4-6	4-6	4000
18	Malin Head	84	22·7	-10	SSE	1	zo	33	75	26	5	-	-	-	0	0	-
	Aldergrove	268	23·3	-12	ESE	2	zo	31	85	28	6	5	-	-	1	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·6	-10	E	3	b	38	65	27	8	-	3	-	0	1	-
	Roches Point	22	18·9	-18	ESE	6	c	39	75	32	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. 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)	16·4	-18	NE	3	zo	30	75	25	5	5	-	-	10	10	2500	3	*
Croydon	17·0	-16	NE	3	zo	29	92	27	6	5	-	-	10	10	1400	3	*
S. Farnborough	15·9	-22	NE	2	o/s	32	92	30	4	5	-	-	10	10	600	3	*
Boscombe Down	16·9	-30	NE	2	ifo	30	97	29	5	5	-r	-	10	10	500	3	*
Thorney Island																	*
Lympne	17·4	-16	NNE	2	c	29	85	24	8	5	-	-	10	10	3200	4	§ 4
Manston	16·0	-18	NNE	4	o/s	29	85	26	7	5	-	-	10	10	2800	3	*
Shoeburyness	17·6	-18	NNE	2	c	29	75	23	8	5	-	-	10	10	3700	4	*
Felixstowe	16·9	-18	NE	3	iSo	29	75	22	6	-	6	-	9+	10	1500	3	
Gorleston	18·2	-14	E	5	iSo	27	85	21	6	5	-	-	10	10	1800	4	
Mildenhall	17·6	-22	N'E	2	SoSo	28	85	25	6	5	-	-	10	10	1500	4	*
Cranwell	18·1	-22	N	3	Sh	30	97	29	5	5	-	-	10	10	1800	4	*
Birmingham	18·1	-12	ENE	3	m	29	97	29	4	6	-	-	10	10	800	3	*
Upper Heyford	17·3	-16	NE'E	4	o/s	28	97	28	5	5	-	-	10	10	1500	3	*
Ross-on-Wye	17·6	-24	NNW	1	m	28	97	28	4	5	-		10	10	800	3	*
Hartland Point	14·8	-16	ENE	4	bc	32	65	21	7	4	-	-	4-6	4-6	2500	3	4
Bristol	18·2	-22	-	0	of+	29	92	27	3	5	-	-	10	10	3000	3	*
Portland Bill	15·6	-20	E	4	o	30	85	27	7	5	-	-	10	10	2500	1	4
Plymouth	15·0	-18	E	4	zo	34	85	31	6	5	-	-	9+	9+	2000	0	
The Lizard	12·8	-16	ESE	6	c	38	75	31	8	8	2	-	9	10	1500	0	5
Scilly (St. Mary's)	11·5	-24	ESE	5	cjp	39	75	38	4	4	7	-	9+	9+	1500	0	
Guernsey																	
Pembroke	16·3	-20	ENE	4	c	30	97	26	6	8	-	-	7-8	10	4000		
Holyhead	17·6	-14	NE	3	m	34	92	31	4	5	-	-	10	10	2000	3	2
Chester (Sealand)	19·2	-14	ENE	3	Sh	33	85	29	5	5	-	-	10	10	1000	4	*
Manchester	19·1	-14	ENE	1	zo	31	92	29	5	5	-	-	10	10	2500	4	*
Spurn Head	18·5	-20	NE'E	5	SoSo	30	97	30	7	5	2	-	7-8	10	1500	4	4
Catterick	20·9	-18	ENE	3	c/s	31	85	28	6	5	-	-	7-8	10	1200	1	*
Tynemouth	22·3	-20	ENE	8	o/ps	32	92	29	7	6	-	-	10	10	1500	4	5
St. Abbs Head	22·0	-22	NE	5	c/ps	33	85	32	7	5	7	-	7-8	10	2000	1	2
Leuchars	23·8	-14	ESE	4	SoSo	34	92	32	6	-	2	-	10	10	1500	8	*
Renfrew (Abbots I.)	23·2	-8	ENE	2	c	34	85	30	7	5	7	-	4-6	10	2500	3	*
Eskdalemuir	22·0	-10	NE	3	*	29	85	25	7	5	-	-	10	10	1400	9	*
Point of Ayre	20·2	-8	E'S	5	c	37	75	29	8	8	2	-	7-8	10	2000	0	4
Tiree	23·4	-6	SSE	1	c	37	85	34	8	5	-	-	4-6	7-8	3500	0	2
Stornoway	24·3	-2	ESE	3	c	41	92	39	7	5	4	-	7-8	9	2500	1	2
Dalwhinnie	24·3	-6	SE	3	o	31	85	25	8	5	-	-	10	10	2500	4	*
Aberdeen	25·0	-12	SE	3	s/i	36	85	30	5	6	2	-	4-6	10	1700	4	2
Wick	26·2	-6	ESE	3	c	37	65	26	7	5	-	-	10	10	3500	1	*
Sumburgh	28·3	-6	SSE	3	ifo	37	85	32	7	5	7	-	9	10	2000	1	3
Blacksod Point	18·1	-2	E	3	bc	35	85	31	7	5	-	-	4-6	4-6	4000	0	3
Malin Head	20·4	-10	ESE	1	c	38	75	31	8	2	6	-	4-6	7-8	2500	0	2
Aldergrove	20·6	-10	NE	3	zo	35	92	32	6	8	-	-	9	10	2500	0	*
Birr Castle	17·1	-12	SE	2	c	32	85	28	8	5	-	-	9	9	2500	3	*
Valentia Obsy.	13·8	-12	ENE	4	bc	36	75	29	8	1	3	3	Tr	2-3	4000	1	4
Roches Point	14·8	-20	E	6	c	38	75	31	8	5	-	-	9	9	2500	0	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 24th. Hrs. (38)
London (Kew)	34	30	29	Tr	Tr	0·0
Croydon	33	29	29	Tr	Tr	0·0
S. Farnborough	34	31	30	-	Tr	0·0
Boscombe Down	32	29	28	Tr	-	0·0
Thorney Island	37			-		*
Lympne	35	28	27	Tr	Tr	0·0
Manston	36	28	24	Tr	0·1	0·2
Shoeburyness	36	28	27	-	Tr	0·0
Felixstowe	36	29	27	Tr	Tr	0·0
Gorleston	37	27	26	Tr	Tr	*
Mildenhall	34	28	24	Tr	0·2	0·0
Cranwell	34	29	28	Tr	Tr	2·0
Birmingham	31	28	22	*	Tr	0·0
Upper Heyford	32		27	Tr	Tr	*
Ross-on-Wye	28	26	20	-	-	0·0
Hartland Point	36	28	28	-	-	8·2
Bristol	29	32	27	Tr	-	0·0
Portland Bill	37	29	*	-	-	*
Plymouth	39	33	25	-	-	2·9
The Lizard	42	37	*	-	Tr	3·1
Scilly (St. Mary's)	45	38	*	-	-	7·8
Guernsey						
Pembroke	35			-		
Holyhead	43	30	25	-	-	*
Chester (Sealand)	33	30	29	-	0·1	5·4
Manchester	34	30	29	-	0·1	*
Spurn Head	33	30		Tr	Tr	0·0
Catterick	34	31	31	Tr	0·1	0·0
Tynemouth	38	32	30	0·1	0·2	*
St. Abbs Head	36	32		Tr	1	
Leuchars	35	33	31	-	1	0·0
Renfrew (Abbots I.)	34	27	19	-	0·2	0·0
Eskdalemuir	39	29	28	-	Tr	4·7
Point of Ayre	40	34	*	-	-	6·6
Tiree	42	34	*	-	-	8·9
Stornoway	42			-	-	0·0
Dalwhinnie	39	24	15	-	-	7·8
Aberdeen	41	36	33	0·4	0·1	0·0
Wick	42	35	34	-	Tr	*
Sumburgh	43	37	35	1	Tr	0·4
Blacksod Point	41	33	*	-	-	*
Malin Head	42	31		-	-	4·7
Aldergrove	42	28	23	-	-	5·6
Birr Castle	42	26	21	-	-	1·8
Valentia Obsy.	49	35	32	-	-	
Roches Point	44	37	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 20th February; 18h. G.M.T.; 01h. G.M.T. 21st February; 07h. G.M.T.

IIIC_L C_M (13h)	wwVhN_h (13h)	DDFWN (13h)	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
109 87	02844	16326	47	02854	14326	57	02864	14325	5-	03768	14328
115 87	02844	20844	87	02844	12227	52	02844	16327	52	02844	12427
203 5-	02948	04228	50	02947	08127	50	00943	12313	5-	02948	10828
206 5-	02678	24128	5-	05575	00025	5-	05668	00028	57	02865	08428
210 57	03866	08128	57	02864	10227	5-	03868	08328	52	02867	10278
220 00	00890	19300	50	01863	00005				80	02756	12216
230 00	00890	28103	00	17790	00011	03	00830	20101	5-	02858	08228
245 52	02775	23128	5-	51647	13128	6-	05648	09478	62	68748	10578
260 50	47363	26113	5-	45367	08247	5-	45348	08118	5-	47348	08148
278 00	05690	12300	04	08490	14101	5-	05668	10328	52	02765	39428
279 03	05590	05214	5-	05667	04327	50	05662	03312	5-	02757	03478
285 5-	03858	30328	5-	23638	02278				02	72528	08578
288 5-	71568	18128	5-	22448	20168	5-	41768	06358	5-	05648	37578
575 53	05663	08224	03	05690	09214	00	05590	09100	00	05590	08300
301 00	08490	13340	03	45390	14245	5-	08448	12228	5-	05645	12328
321 5-	72548	09178	--	48309	02179	5-	47338	20178	5-	72658	04278
299 5-	71648	24278	5-	08448	24128	5-	05648	06628	5-	02747	04617
292 5-	45358	00048	5-	23448	32178	52	68548	05378	5-	78848	04378
310			--	05635	08315				--	02638	04618
614 5-	05645	20128	07	45390	28214	--	44209	00049	5-	05668	32178

13h. G.M.T. 20th February; 18h. G.M.T.; 01h. G.M.T. 21st February; 07h. G.M.T.

IIIC_L C_M (13h)	wwVhN_h (13h)	DDFWN (13h)	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
333 00	02690	08206	00	01590	26112	00	02590	00018	5-	78748	00028
334 --	05590	08202	--	05472	10203				--	53547	22288
340 5-	05548	12328	5-	08448	00018	5-	67368	30168	6-	78648	07378
136 5-	78648	28378	5-	08448	30278	5-	23648	05478	5-	72644	06378
336 54	01753	12314	--	48309	12349						
350 5-	71638	06278	5-	05548	04278	5	78445	32228	5-	05668	04278
368 5-	05648	12428	5-	05548	07428	5-	08448	07428	5-	05557	08327
379			5-	05648	08228	5-	05554	00014	--	68109	06379
390			5-	45348	03178	5-	78428	03278	5-	05668	04278
382 5-	05648	06128	5-	23648	04278	5-	05668	02328	5-	23648	04378
438									58	01763	03404
430 5-	02758	04328	5-	05558	06478	5-	05568	32328	5-	05666	04328
409 50	05653	45503	54	00751	07312	00	00690	06300	5-	05668	07428

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

§ Sea disturbance reported from Dungeness.

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

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	OiSoCZo	CZo	mSoCmo
Croydon	cmiSoCZ	CZoSoCZo	oShmo
Greenwich	C	C	CSo
Camden Square	C	C	*
Kensington	pZ	pZ	*
Hampstead	px	o	os

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·2, Time 10–21h 20th
Min. <0·1, Time 5h 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	34	30	29	Tr	Tr	0·0	*	*
Croydon	33	29	29	Tr	Tr	0·0	*	*
Greenwich	34	29	28	-	Tr	0·0	80	79
Westminster	36	30	30	0·1			93	90
Regents Park	34	29	28	-	Tr		90	*
Camden Square	34	29	27	-	Tr	*	*	83
Kensington	35	30	24	-	Tr		85	83
Hampstead	37	27	23	-	0·1		*	95

SECRET

Page 1 BRITISH SECTION

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

Sunday 22nd February 1942

No. 29,312

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12.9	-20	NE	4	o/s	29	65	19	5	5	-	-	10	10	2500
	Croydon	12.7	-22	NE'E	3	is	28	85	25	4	9	-	-	7-8	9+	1700
	S. Farnborough	12.6	-22	ENE	3	s₀s	31	75	25	5	5	-	-	10	10	2400
	Boscombe Down	13.1	-22	NE'E	3	ps	32	75	25	8	6	6	-	4-6	7-8	2000
	Thorney Island	12.0	-26	E'N	2	c	35	75	27	8	7	-	-	7-8	9	4000
	Lympne	13.2	-18	NE	2	s₀s	28	85	25	6	9	-	-	9+	9+	1000
	Manston	12.7	-14	NE	3	ss	25	85	21	5	5	-	-	10	10	1000
2	Shoeburyness	13.8	-12	NNE	4	is	28	75	18	6	5	7	-	4-6	9	2300
	Felixstowe	13.9	-14	ENE	3	is	28	65	17	6	8	-	-	9	9	3000
	Gorleston	14.9	-18	E'N	5	ps	26	75	20	6	6	-	-	10	10	1200
	Mildenhall	14.6	-14	ENE	4	c	29	85	24	7	8	-	-	7-8	7-8	2000
	Cranwell	15.4	-16	ENE	4	bc/ps	26	92	23	6	8	-	-	4-6	4-6	1200
3	Birmingham	14.0	-14	ENE	4	ss	27	85	23	6	6	2	-	9	10	800
	Upper Heyford	13.9	-16	NE	3	ps	29	97	28	6	8	-	-	9+	9+	2500
4	Ross-on-Wye	13.1	-6	NE	2	is	31	85	26	5	-	2	-	10	10	800
5	Hartland Point	11.7	-20	NE	3	c	33	85	27	6	5	-	-	9+	9+	1200
	Bristol	13.4	-22	ENE	3	ps	33	75	25	6	7	7	-	4-6	10	2500
	Portland Bill	12.0	-18	ENE	4	c	33	85	30	7	5	-	-	10	10	2500
	Plymouth	11.0	-22	ENE	4	c	35	75	29	6	5	-	-	10	10	2500
	The Lizard	10.0	-14	ENE	6	o	37	85	32	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	08.4	-18	ENE	5	o	37	85	32	7	5	-	-	10	10	1200
	Guernsey															
6	Pembroke	12.9	-22	E'N	5	c	33	92	30	6	8	2	-	7-8	10	2500
7	Holyhead	14.2	-22	NE	4	c/ps	35	85	31	7	8	6	-	7-8	7-8	2000
	Chester (Sealand)	15.2	-20	NE'N	4	o/s	29	85	25	5	5	-	-	10	10	4000
8	Manchester	15.8	-4	ENE	4	bc/ps	28	75	20	6	2	6	-	4-6	4-6	2500
10	Spurn Head	15.8	-22	E	5	ss	27	97	27	6	8	-	-	10	10	1500
	Catterick	18.0	-20	E	3	m/s	28	92	26	4	2	-	-	2-3	2-3	2500
	Tynemouth	19.8	-12	E	5	c	30	85	27	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	20.1	-12	SE	4	ss	29	92	26	6	5	2	-	9	10	1000
	Leuchars	20.9	-18	E	4	s₀s	32	85	29	7	6	-	-	10	10	1200
12	Renfrew (Abbots I.)	20.1	-14	E	4	ps	34	75	28	6	2	3	-	9	9+	2500
	Eskdalemuir	19.2	-20	E	4	ss	25	85	21	6	-	2	-	10	10	900
	Point of Ayre	17.0	-24	E	5	is	32	85	29	7	6	2	-	7-8	10	1500
13A	Tiree	20.6	-16	SE'E	2	c	39	75	32	9	5	-	-	9	9	3500
13B	Stornoway	22.7	-14	ESE	4	bc	40	75	31	8	6	7	-	4-6	4-6	2500
15	Dalwhinnie	21.2	-16	E'N	3	c	32	85	29	8	6	4	-	4-6	7-8	2500
	Aberdeen	22.3	-16	SE'S	4	ps	34	75	27	8	2	7	-	7-8	9+	1500
	Wick	23.8	-12	E'S	3	is	36	85	32	7	5	-	-	9	10	2000
16	Sumburgh	25.0	-18	ENE	3	ir	39	75	30	8	5	-	-	10	10	3000
17	Blacksod Point	15.9	-18	ENE	4	c	39	85	35	7	7	-	-	9+	9+	2500
18	Malin Head	18.6	-14	ESE	4	phr	36	85	32	7	6	-	-	9	9	2500
	Aldergrove	17.9	-14	E'N	3	ps	35	75	28	8	8	-	-	9+	9+	3000
19	Birr Castle	14.4	-18	NNW	2	rs	33	92	31	7	5	-	-	10	10	1500
20	Valentia Obsy.	11.8	-12	ENE	4	c	39	65	28	7	5	-	-	9+	9+	4000
	Roches Point	12.1	-18	E	5	c/ps	38	75	31	8	8	-	-	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)	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)	10.7	-8	NE	3	z₀	27	65	17	5	5	-	-	7-8	7-8	2500	3	*
Croydon	11.5	-4	NE	4	m	26	75	16	4	5	-	-	9+	10	2200	4	*
S. Farnborough	11.0	-4	NE'E	2	z₀	27	65	18	6	5	-	-	10	10	2600	3	*
Boscombe Down	11.0	-2	NE'E	4	c	27	65	19	7	8	-	-	10	10	2000	3	*
Thorney Island	10.3	-6	NE	3	o/s	28	75	21	6	5	-	-	10	10	4000	3	*
Lympne	11.3	-8	NNE	1	z₀	21	85	15	6	-	6	-	0	Tr	-	4	3
Manston	10.5	-10	NE	2	z₀	21	85	18	6	2	-	-	2-3	2-3	3000	8	*
Shoeburyness	11.6	-12	N'E	3	bc/s	24	85	21	6	5	-	-	4-6	4-6	2500	4	*
Felixstowe	11.4	-6	NE'E	3	z₀	26	65	15	6	4	-	-	7-8	7-8	4500	8	3
Gorleston	13.5	0	E'N	4	c/ps	26	85	22	6	8	-	-	10	10	1800	8	5
Mildenhall	12.6	-6	NE	3	z₀	25	92	22	6	8	-	-	9	9	1500	4	*
Cranwell	13.4	-8	ENE	3	z₀	24	92	19	6	5	-	-	9	9	3000	8	*
Birmingham	12.2	-8	NE	3	z₀	24	75	17	5	5	-	-	10	10	1500	4	*
Upper Heyford	13.1	0	ENE	3	is	25	75	18	6	5	-	-	9+	9+	2500	3	*
Ross-on-Wye	11.8	-6	ENE	3	c	26	65	15	6	5	-	-	10	10	2500	3	*
Hartland Point	08.6	-16	ENE	4	c	32	65	21	7	5	7	-	7-8	9+	1500	3	3
Bristol	11.7	-4	E'N	4	z₀	28	75	20	6	5	-	-	10	10	2500	3	*
Portland Bill	09.8	-12	NE	4	c	33	85	30	7	5	-	-	10	10	2500	1	4
Plymouth	08.6	-10	ENE	5	z₀	33	85	28	6	5	-	-	9+	9+	2500	0	3
The Lizard	06.6	-12	ENE	6	o	36	85	32	6	5	-	-	10	10	1200	0	5
Scilly (St. Mary's)	06.0	-10	ENE	5	c	37	65	29	6	5	-	-	10	10	1500	1	5
Guernsey																	
Pembroke	10.5	-4	ENE	4	c	33	97	30	7	5	-	-	10	10	2500	0	2
Holyhead	12.2	-10	NE'E	4	z₀	30	85	27	6	5	-	-	10	10	1500	3	2
Chester (Sealand)	13.7	-2	ENE	3	o/s	28	85	25	5	5	-	-	10	10	2000	3	*
Manchester	14.5	-4	ENE	4	z₀	26	85	22	6	2	6	-	7-8	9+	2500	4	*
Spurn Head	14.2	-2	E	4	c	28	97	28	6	8	-	-	9+	9+	1500	8	4
Catterick	15.7	-8	NE	1	c/s	27	85	24	5	5	2	-	9+	10	1800	7	*
Tynemouth	17.6	-8	E	5	c/ps	30	92	29	7	8	-	-	7-8	7-8	2200	8	4
St. Abbs Head	17.9	-6	E	3	is	29	85	26	7	5	2	-	9	10	2000	4	4
Leuchars	19.3	-6	E	3	ss	29	97	29	6	5	-	-	10	10	1100	4	*
Renfrew (Abbots I.)	17.7	-14	E'N	4	ps	30	85	26	7	2	-	-	10	10	1800	3	*
Eskdalemuir	17.0	-8	NE'E	3	is	24	85	19	6	5	1	-	7-8	10	1100	4	*
Point of Ayre	14.7	-10	E	4	c	32	85	29	7	6	2	-	7-8	10	2500	0	4
Tiree	18.6	-8	E'S	1	c	36	85	33	8	5	-	-	9+	9+	2800	0	3
Stornoway	20.8	-6	E	4	c	38	85	34	8	8	7	-	7-8	10	2500	1	3
Dalwhinnie	19.7	-10	E	3	is	27	85	23	7	8	-	-	4-6	4-6	2500	4	*
Aberdeen	20.1	-12	E'N	3	ps	31	85	27	8	2	7	-	7-8	10	1400	4	4
Wick	21.7	-10	ESE	2	is	33	85	30	6	5	9	-	10	10	2000	1	*
Sumburgh	21.9	-22	ENE	2	rs	37	92	35	7	5	7	-	9	10	1200	1	3
Blacksod Point	14.4	-4	E	4	c	36	75	29	8	7	-	-	7-8	10	2500	0	4
Malin Head	16.9	-6	E	5	c	36	85	32	7	9	-	-	9	9	2500	0	4
Aldergrove	16.1	-8	NE'E	3	c/s	30	85	24	7	5	-	-	9+	9+	3000	1	*
Birr Castle	12.5	-2	ESE	2	c	33	85	29	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	10.3	-4	S'W	3	c	38	65	27	8	5	-	-	10	10	4000	1	3
Roches Point	10.0	-10	E	5	c	36	75	29	8	8	-	-	9+	9+	1500	0	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.—7h. 22nd (42)
London (Kew)	cs₀cm₀	cz	bcbhcz₀	cz₀
Croydon	cmsss₀m	cms₀s	bfcm₀s	cm₀is₀z₀
S. Farnborough	bmcms	csis₀psz	cps₀bmc	cmbccz₀
Boscombe Down	css fcsm	cpsc	bm₀	bm₀
Thorney Island	cissmc	cis₀m₀	om₀	bm₀cm₀x
Lympne	cpsss	cfssb	b,cm₀	cm₀
Manston	s₀ssfm	ssbm₀	b,cm₀is₀s₀	s₀cm₀is₀
Shoeburyness	cssism	bcssm₀	cis₀m₀	cis₀m₀o
Felixstowe	csssmcs	psqfbc	cm₀s₀s₀s₀	lOs₀h₀m₀cm₀
Gorleston	cis₀	cpsz	cm₀is₀	cis₀m₀
Mildenhall	cs₀s₀bcc	cmprsbc	cm₀bm₀cm	cm₀s₀s₀
Cranwell	cssm₀bm	cmsps	cm₀s₀	cms₀s₀
Birmingham	oss	bc ps	cbcc	cm
Upper Heyford	csspsm₀	cssis₀	cs₀bmm₀	is₀,s₀s₀m₀
Ross-on-Wye	cps	c	cbzcz	cm₀
Hartland Point	bcc	c	cm₀	cbccm₀
Bristol	ofs₀cps	cm₀psz	cbz₀	bz₀cm₀
Portland Bill	oc	c	o	cbc
Plymouth	ciscs₀	cm₀	cm₀	cm₀,bm₀
The Lizard	co	co	co	o
Scilly (St. Mary's)	cphrc	c	c	c
Guernsey				
Pembroke	cm₀	cm₀	cbcc	cm₀
Holyhead	s₀sh ps₀	cpsm₀	cmx	cm₀xs
Chester (Sealand)	msssm₀c	cm₀iscm₀	cm₀	cm₀
Manchester	s₀sbc	pscm₀	cm₀p₀s	cm₀p₀s
Spurn Head	cpsoss	oisc	ois	oss
Catterick	om₀ssbm	ofs cm₀	os₀s₀m₀	os₀s₀m₀m
Tynemouth	osscpsc	cps	ois₀o	ois₀
St. Abbs Head	cm₀ss	cis₀	cs₀	cm₀s₀s₀
Leuchars	cs₀sm₀css	ss₀m	m₀sscis₀	cis₀cm₀
Renfrew (Abbots I.)	sh s ps₀	cm₀sps₀	cps₀s₀is	m₀s₀s₀is
Eskdalemuir	oss	oscis₀	cis₀	cis₀
Point of Ayre	cssis₀	isc	c	cis₀
Tiree	c	c	cbc	bc
Stornoway	cbc	bccpr₀	c	cpr₀
Dalwhinnie	ois₀c	cis₀		cp₀s
Aberdeen	cs₀s₀ps₀	cbcps	cps₀	cps₀
Wick	ccos₀	cisssis₀	s₀s₀is₀m₀	is₀z₀c
Sumburgh	ircir₀	ir₀crs	crs₀c	cis₀c
Blacksod Point	bc	c	c	c
Malin Head	c	c	c	c
Aldergrove	cis₀ps₀	ssm₀is	cis₀	ciscz
Birr Castle	s	s	*	c
Valentia Obsy.	bc	c	c	z₀bc
Roches Point	pr	pr	pr	bcc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 22nd February

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light northeast winds becoming variable; fine periods; light snow flurries locally; cold and frosty.
5 S.W. England; 6 South Wales	Moderate easterly winds becoming light, rather variable; mainly fair to fine; cold and mainly frosty
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Winds becoming light variable; mainly cloudy; occasional light snow showers; cold and frosty.
12 S.W. Scotland & Isle of Man; 13A W. Scotland	Light variable to westerly winds; mainly fine at first, more cloud with some wintry showers later; cold; frost inland at night.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light variable winds; mainly cloudy; some 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	Moderate to light easterly winds; mainly fair but considerable cloud at times; chance of light local snow showers in the North; cold with frost at night.

GENERAL INFERENCE

Pressure is high in the Icelandic area and low off Northwest Spain. The pressure continues to decline over the British Isles and a more uniform pressure distribution will result.

Weather will continue cold with further light snow showers chiefly in eastern districts.

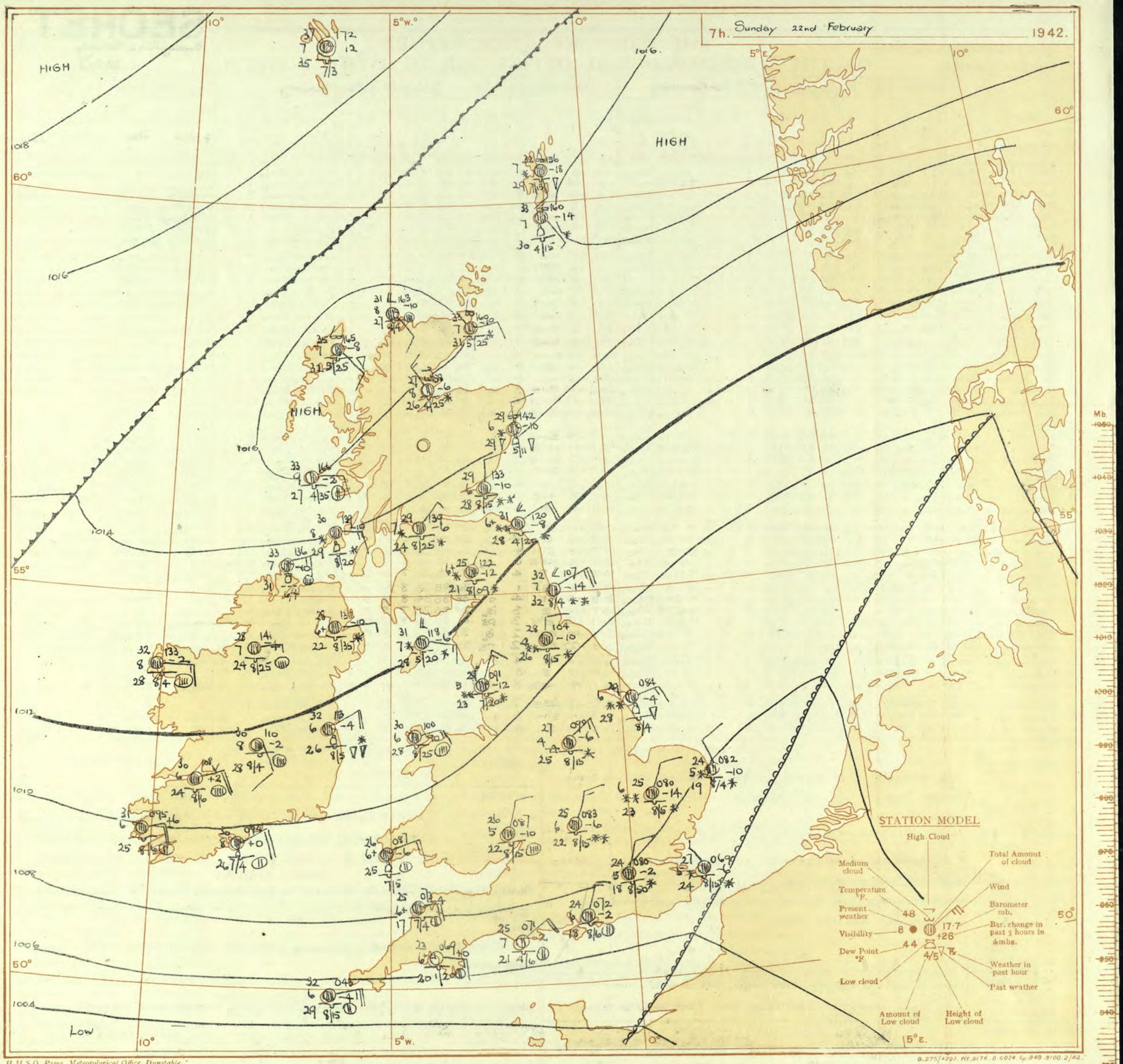
FURTHER OUTLOOK

Wintry weather continuing but some rise in day temperatures probable.

Forecasts issued at 10.30a.m.

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

7h. Sunday 22nd February 1942.



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

S.275/4207 Wt.8176 D.6034 6p.948 9100.2/42.

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).

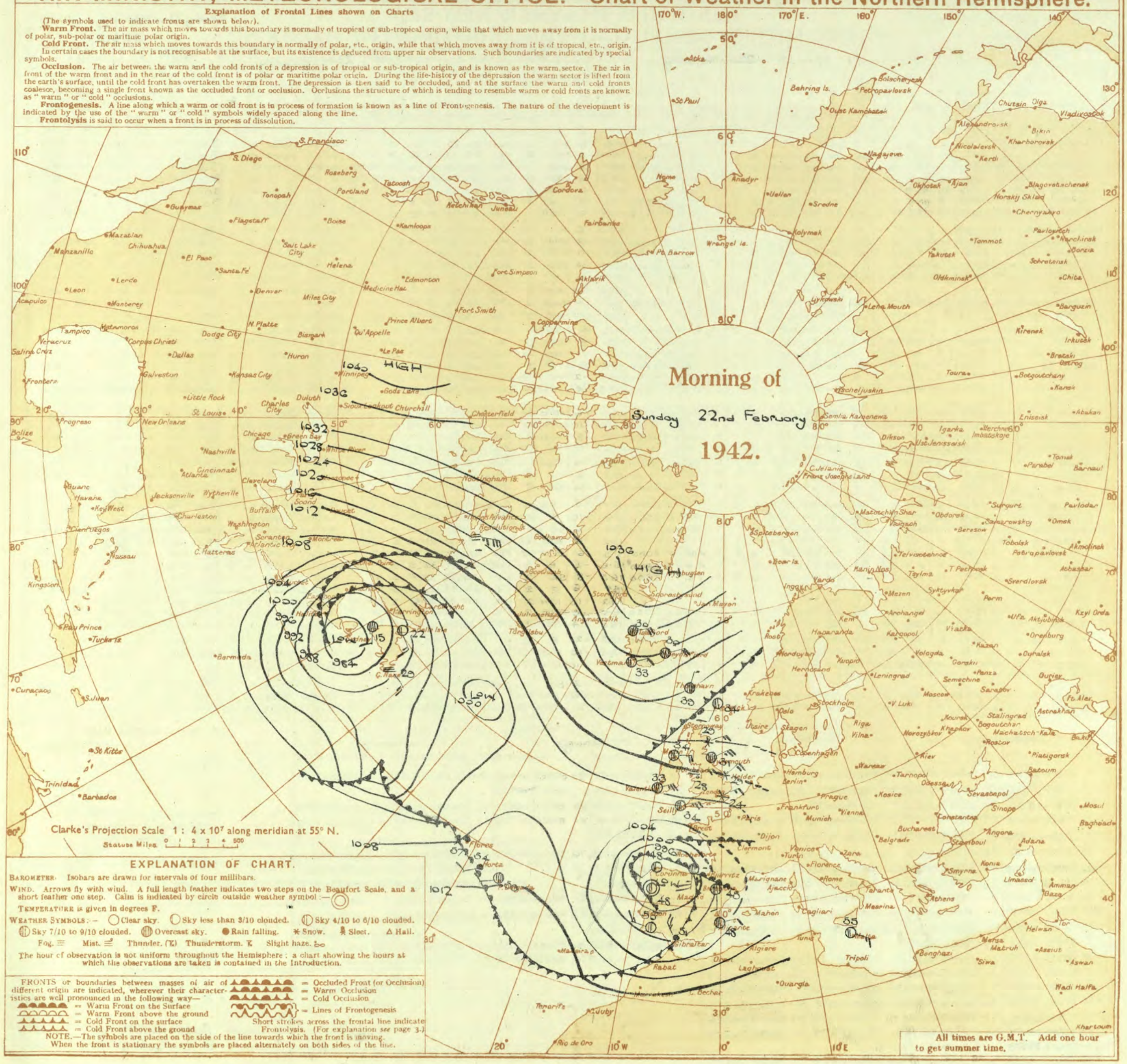
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Sunday 22nd February 1942

No. 29,312

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)	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	*	*	*	*	*	24	*	*	*	*	*	*	*	*	*
	Croydon	217	09·1	-10	NE	3	iSo	24	85	21	5	5	-	-	10	10	4100
	S. Farnborough	226	08·9	-12	NNE	3	m	23	85	19	4	5	-	-	10	10	3000
	Boscombe Down	417	10·5	+2	NE'N	2	zo	19	85	16	6	-	-	-	0	0	-
	Thorney Island	10	08·7	-10	NE'N	3	zo	23	85	19	5	-	1	-	0	10	-
	Lympne	346	09·2	-8	NNE	1	zo	26	85	22	6	5	-	-	10	10	1900
	Manston	154	08·2	-10	ESE	1	zo	27	85	24	6	5	-	-	10	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	09·0	-10	N'E	2	Sh	25	75	19	6	5	-	-	10	10	2000
	Gorleston	5	10·5	-14	N'W	2	iSo	25	85	21	6	8	-	-	10	10	1500
	Mildenhall	19	10·0	-14	NNW	2	zo	24	97	23	6	5	-	-	10	10	3000
	Cranwell	240	10·6	-14	N'W	2	SoSo	26	97	26	4	5	-	-	10	10	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·9	-14	NNE	3	iSo	22	92	18	5	5	-	-	10	10	2400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·1	0	NE	5	c	25	65	12	6	5	2	-	9+	10	1500
	Bristol	20[illegible]	11·2	-2	ENE	3	zo	21	92	18	5	-	-	-	0	0	-
	Portland Bill	32	08·0	-8	NE	4	o	31	85	28	7	5	-	-	10	10	2500
	Plymouth	82	07·6	-6	E	4	zo	28	97	27	6	5	-	-	10	10	2000
	The Lizard	240	05·3	-2	ENE	6	o	32	75	26	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	05·1	-2	ENE	5	c	34	75	33	6	5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	09·3	-4	ENE	5	c	28	92	25	7	8	-	-	9+	9+	2500
7	Holyhead	26	11·7	-6	ENE	5	zo	28	85	24	5	5	-	-	10	10	2600
	Chester (Sealand)	16	12·3	-12	NE'N	1	zo	28	85	25	5	5	-	-	10	10	2500
8	Manchester	235	12·1	-10	NNE	2	o	27	75	20	6	9	-	-	10	10	2500
10	Spurn Head	29	10·5	-16	ENE	4	is	29	97	29	6	8	-	-	10	10	1500
	Catterick	175	13·1	-14	N	2	SoSo	27	92	25	5	5	-	-	10	10	1800
	Tynemouth	108	14·7	-20	NE	5	o	31	97	31	6	-	2	-	10	10	2500
11	St. Abbs Head	280	14·5	-28	NE	2	c	29	97	29	7	5	2	-	9	10	1500
	Leuchars	36	16·0	-12	N	2	iSo	30	92	28	5	5	-	-	10	10	2500
12	Renfrew (Abbots I.)	19	15·8	-12	ENE	2	iSo	29	85	26	5	5	-	-	10	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13·2	-8	E	3	c	31	75	25	7	6	2	-	4-6	10	2000
13A	Tiree	22	17·6	-6	E'N	3	bc	33	92	32	8	5	-	-	4-6	4-6	3500
13B	Stornoway	80	18·8	-12	NW	2	c	34	97	34	7	5	7	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Wick	119	18·7	-14	E	2	iSo	33	75	27	6	5	-	-	10	10	2700
16	Sumburgh	30	19·4	-14	SSE	2	c	33	92	31	7	5	-	-	10	10	1500
17	Blacksod Point	18	14·1	-2	E	5	c	34	65	23	8	5	-	-	10	10	1500
18	Malin Head	84	15·2	-6	E	4	c	34	97	34	7	6	-	-	9	9	2500
	Aldergrove	268	15·0	-4	NE'E	2	iSo	27	85	21	6	5	-	-	9+	9+	3300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·6	-6	NE'E	5	c	33	75	26	8	5	-	-	9	9	4000
	Roches Point	22	09·1	-4	E'N	4	c	34	75	27	8	8	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 22nd 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)	07·6	-6	N'E	2	zo	25	75	18	5	5	-	-	9+	9+	2500	3	*
Croydon	08·0	-2	NNE	2	zo	24	75	18	5	5	-	-	10	10	5000	4	*
S. Farnborough	07·7	-2	N'E	1	zo	22	75	17	6	5	7	-	4-6	9+	2600	3	*
Boscombe Down	08·5	-6	NE	3	zo	18	92	15	6	-	7	-	0	Tr	-	3	*
Thorney Island	07·2	-2	NNE	3	zo	24	75	18	6	5	-	-	10	10	4000	3	*
Lympne	08·0	-2	NE	1	zo	25	97	23	6	5	-	-	10	10	2200	4	§3
Manston	06·9	-6	NW'N	1	iSo	27	85	24	5	5	-	-	10	10	1500	8	*
Shoeburyness	07·9	-6	N	3	o	25	85	22	5	5	-	-	10	10	1200	4	*
Felixstowe	07·4	-8	N'W	2	zo	25	85	20	6	5	-	-	10	10	2500	4	
Gorleston	08·2	-10	NW'N	2	iSo	24	85	19	5	5	-	-	10	10	1500	8	2
Mildenhall	08·0	-14	NNE	2	SoSo	25	85	23	6	5	-	-	10	10	2500	4	*
Cranwell	08·7	-6	N	1	SoSo	26	97	26	5	5	-	-	10	10	1500	8	*
Birmingham	08·6	-6	NNE	3	Sh	26	92	24	4	6	-	-	10	10	800	4	*
Upper Heyford	08·3	-6	NNE	3	°/S	25	92	22	6	5	-	-	10	10	1500	3	*
Ross-on-Wye	08·7	-10	N'E	2	zo	26	85	22	5	5	-	-	10	10	1500	3	*
Hartland Point	07·3	-4	ENE	4	c	25	75	17	6	5	-	-	9+	9+	1500	3	3
Bristol	08·8	-8	ENE	3	zo	25	85	21	5	5	-	-	10	10	2200	3	*
Portland Bill	07·1	-2	NE	4	bc	25	85	21	7	5	-	-	4-6	4-6	4000	1	4
Plymouth	06·9	0	E	3	zo	23	92	20	6	5	-	-	Tr	Tr	2000	3	3
The Lizard	04·7	-2	NE	6	o	29	92	27	5	5	-	-	10	10	1000	0	5
Scilly (St. Mary's)	04·3	-4	ENE	5	c	32	85	29	6	5	-	-	10	10	1500	3	5
Guernsey																	
Pembroke	08·7	-6	NE'E	3	c	26	97	25	6	8	-	-	9+	9+	2500	0	3
Holyhead	10·0	-10	ENE	3	zo	30	92	28	6	5	-	-	10	10	2500	3	3
Chester (Sealand)	10·2	-8	NNW	2	iSo	29	92	27	6	5	-	-	10	10	3000	3	*
Manchester	09·9	-10	N	2	°/ps	28	92	25	6	9	-	-	7-8	10	2000	4	*
Spurn Head	08·4	-4	ENE	3	SoSo	29	97	28	6	8	-	-	10	10	1500	8	3
Catterick	10·4	-10	N	2	SoSo	28	92	26	4	5	-	-	10	10	1500	8	*
Tynemouth	10·7	-14	NE	5	°/S	32	92	30	7	-	2	-	10	10	1500	4	4
St. Abbs Head	12·0	-8	NE	4	SoSo	31	92	28	6	5	2	-	4-6	10	2000	7	4
Leuchars	13·3	-10	N	2	°/S	29	97	28	6	5	-	-	10	10	1500	4	*
Renfrew (Abbots I.)	13·9	-6	NE'N	1	iSo	29	85	24	7	5	-	-	10	10	2500	4	*
Eskdalemuir	12·2	-12	NNE	2	iSo	25	85	21	6	5	-	-	10	10	900	9	*
Point of Ayre	11·8	-6	E'S	3	iSo	31	92	28	7	6	2	-	7-8	10	2000	3	3
Tiree	16·6	-2	E	2	bc	33	85	32	9	5	-	-	4-6	4-6	3500	0	3
Stornoway	16·5	-8	SE	2	c	35	85	32	7	5	7	-	7-8	10	2500	1	1
Dalwhinnie	15·7	-6	E	2	c	22	85	21	7	5	-	-	7-8	7-8	1500	4	*
Aberdeen	14·2	-10	N'W	2	ps	29	97	25	6	2	7	-	7-8	9+	1100	8	4
Wick	16·0	-10	ENE	2	c	33	92	31	7	5	7	-	7-8	9+	2500	5	*
Sumburgh	16·0	-14	SE	1	c	33	85	30	7	8	7	-	4-6	10	1500	4	3
Blacksod Point	13·3	-2	E	3	c	32	85	28	8	5	-	-	10	10	1500	0	3
Malin Head	13·6	-10	ENE	3	c	33	92	31	7	9	-	-	9	9	1500	0	5
Aldergrove	13·2	-10	E'N	1	zo	28	85	22	6	5	-	-	10	10	3500	3	*
Birr Castle	11·0	-2	SSE	2	c	30	92	28	8	5	-	-	10	10	1500	1	*
Valentia Obsy.	09·5	+6	E'N	4	zo	31	75	24	6	5	-	-	10	10	4000	3	3
Roches Point	09·4	0	ENE	4	c	30	85	26	8	8	-	-	9+	9+	1500	0	5

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 21st Hrs. (38)
London (Kew)	30	23	19	Tr	-	0·3
Croydon	30	23	20	0·1	Tr	0·2
S. Farnborough	33	20	16	Tr	Tr	0·5
Boscombe Down	32	16	12	0·5	Tr	0·5
Thorney Island	35	21	15	Tr	Tr	*
Lympne	30	16	12	0·4	-	3·4
Manston	30	19	3	1	0·1	3·0
Shoeburyness	30	23	19	0·2	Tr	2·5
Felixstowe	29	24	23	1	0·1	2·6
Gorleston	28	23	22	0·6	0·4	*
Mildenhall	30	20	15	0·2	Tr	2·3
Cranwell	30	24	21	1	0·3	2·0
Birmingham	29	23	17	0·1	Tr	0·2
Upper Heyford	30	19	15	Tr	Tr	*
Ross-on-Wye	32	21	17	Tr	-	0·1
Hartland Point	34	24	23	-	-	0·0
Bristol	35	18	12	Tr	-	0·2
Portland Bill	35	23	*	-	-	*
Plymouth	35	22	17	Tr	-	0·0
The Lizard	38	28	*	0·5	-	0·0
Scilly (St. Mary's)	40	32	*	Tr	-	0·0
Guernsey						
Pembroke	34	23	*	-	-	5·0
Holyhead	36	27	25	Tr	-	*
Chester (Sealand)	31	27	27	Tr	-	0·0
Manchester	31	25	21	0·2	Tr	*
Spurn Head	30	27	*	0·4	Tr	1·6
Catterick	31	26	26	0·5	1	2·2
Tynemouth	32	30	29	0·3	0·3	*
St. Abbs Head	30	28	*	0·2	1	*
Leuchars	34	28	26	1	2	0·0
Renfrew (Abbots I.)	34	27	26	0·3	0·1	0·3
Eskdalemuir	30	23	21	0·2	Tr	1·7
Point of Ayre	37	30	*	Tr	-	0·6
Tiree	39	33	*	-	-	0·0
Stornoway	41	33	*	Tr	Tr	2·3
Dalwhinnie	38	20	15	Tr	0·6	0·8
Aberdeen	36	29	27	0·2	1	0·0
Wick	38	32	30	0·3	0·2	*
Sumburgh	40	33	34	0·3	1	0·0
Blacksod Point	40	31	*	-	-	*
Malin Head	40	32		0·1	Tr	0·0
Aldergrove	38	26	26	0·1	Tr	0·4
Birr Castle	35	29	27	0·5	-	0·0
Valentia Obsy.	41	30	27	-	-	2·5
Roches Point	40	30	*	0·1	Tr	*

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	5-	22868	12268	5-	71447	18377	5-	71628	15178	8-	02667	00027
115	57	10944	08327	87	10834	12387	52	02844	08227	52	02844	12227
203	84	02944	08315	7-	02937	08327	5-	02938	08328			
206	5-	71858	08478	52	71854	08478	57	71645	08278	58	01853	28374
210	57	72666	08378	5-	72645	09378	5-	02758	16178	57	71555	18178
220	82	61755	13128	80	02857	10217						
230	8-	88857	04277	5-	01854	06224	5-	02858	06128	5-	02857	06217
245	62	72635	08478	5-	26744	08588	5-	71648	02378	52	74437	01378
260	5-	71648	08478	5-	72548	08378	5-	77348	08378	5-	23446	05276
278	5-	23847	08377	8-	02847	07487	5-	02758	08218	5-	02758	04318
279	80	01754	07584	40	05653	05413	5-	02758	04428	5-	72758	01378
285	3-	84537	08587	02	78528	08578						
288	86	26656	06477	6-	74548	06288	5-	72458	04378	--	78409	03479
575	7-	02856	06326	5-	23868	08488	5-	05658	06328	5-	02758	06128
301	2-	26654	06484	5-	05656	08316	5-	05658	06328	5-	72567	02377
321	8-	26655	37485	86	26644	04384	5-	71558	01278	5-	72568	31378
299	8-	73635	06575	80	26637	08484	7-	23980	02648	8-	83648	04588
292	83	23654	05475	5-	73548	06378	5-	72658	32378	5-	23747	30277
310	--	78428	32378									
614	8-	26555	06285	50	05553	06323	5-	71548	04278	5-	74558	02178

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
333	2-	02758	06478	8-	02658	06478	5-	02658	05428	5-	02658	04128
334	--	26537	06388	--	05437	06328						
340	5-	72648	06378	80	01754	06474	5-	71658	02278	5+	71644	01278
136	58	83545	06485	8-	83645	07388	5-	83658	28188	5-	72658	00088
336	62	72646	04378									
350	5-	72638	06378	76	23654	04376	5-	71658	01308	5-	71658	02278
368	5-	02668	04378				50	05654	07414	5-	05658	06328
379	67	72636	06376				5-	05658	06228	5-	71458	04378
390	8-	83555	06276	8-	26554	05386	5-	05568	02328	5-	71558	32328
382	87	23645	06476	83	05645	04388	00	05690	01300	5-	05648	02228
438	5-	02757	04417							5-	02548	04328
430	5-	02757	05377	5-	71656	04378	00	05590	02370	52	05557	02428
409	5-	05667	04427	5-	05668	39428	5+	05658	06428	54	05651	06512

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

§ Sea disturbance reported from Dungeness.

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

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	cSoSoemo	czo	bcbbc
Croydon	cmoSSom	cmoSoS	bfcmS
Greenwich	cSoS	SSocbc	bcbz
Camden Square	o	o	*
Kensington	o8bc	bc	*
Hampstead			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·2, Time 19h. 21st
Min. <0·1, Time 1–3h. 22nd

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	30	23	19	Tr	-	0·3	*	*
Croydon	30	23	20	0·1	Tr	0·2	*	*
Greenwich	29	22	17	Tr	-	0·2	72	69
Westminster	31	26	25	-	-		94	96
Regents Park								
Camden Square	30	24	19	Tr	-	*	*	84
Kensington	31	24	20	0·2	-			86
Hampstead							*	

BRITISH SECTION

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

~~SECRET~~

Monday 23rd February 1942

No. 29313

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	06·6	−6	NNE	3	z0	30	55	17	5	5	–	–	9	9	2500
	Croydon ...	06·5	−10	NNE	3	m	31	75	24	4	5	–	–	7-8	7-8	2800
	S. Farnborough	06·7	−8	N'E	3	z0	31	55	18	6	5	–	–	4-6	4-6	2500
	Boscombe Down	07·3	−14	NE	4	z0	30	85	27	6	5	–	–	4-6	4-6	2500
	Thorney Island	06·7	−8	NE	2	z0	32	75	26	6	–	–	–	0	0	–
	Lympne ...	07·5	−4	N	1	c/s	26	92	23	6	5	–	–	10	10	1200
	Manston ...	06·5	−2	N'E	3	sh	27	75	19	5	5	–	–	10	10	1000
2	Shoeburyness ...	07·1	−6	N	1	c	30	65	22	6	1	7	–	Tr	7-8	2500
	Felixstowe ...	06·7	−6	N'E	2	z0	29	65	18	6	8	–	–	9	9	3000
	Gorleston ...	07·7	−6	–	0	c/s	27	85	23	6	5	–	–	9+	9+	2500
	Mildenhall ...	07·2	−6	N'W	2	z0	30	75	23	6	8	–	–	9	9	2000
	Cranwell ...	07·5	−6	NNW	2	bc/ps	30	85	27	6	2	–	–	4-6	4-6	1500
3	Birmingham ...	07·5	−6	N	3	z0	31	75	24	5	8	–	–	9+	9+	2500
	Upper Heyford	07·5	−8	NE	2	z0	30	75	24	6	8	–	–	9	9	2000
4	Ross-on-Wye	07·8	−6	NE'N	3	z0	32	65	22	6	7	–	–	7-8	7-8	3000
	Hartland Point	07·1	0	ENE	4	c/s	29	65	18	7	5	2	–	4-6	9+	1800
	Bristol ...	08·2	−6	NE	3	z0	32	75	24	5	8	3	–	7-8	9+	2500
	Portland Bill ...	07·0	−4	NE	4	c	30	85	27	7	5	2	–	7-8	10	2500
	Plymouth ...	06·7	−4	ENE	4	z0	31	75	24	6	5	–	–	4-6	4-6	3500
	The Lizard ...	05·5	+4	NE	5	c	31	85	27	6	5	2	–	9	10	1500
	Scilly (St. Mary's)	05·9	+2	ENE	4	c	33	75	27	8	8	6	–	7-8	7-8	1500
	Guernsey ...															
6	Pembroke ...	08·7	−6	ENE	4	c	32	85	28	7	5	–	–	10	10	2500
7	Holyhead ...	09·3	−6	NNE	4	c/ps	35	75	28	6	8	6	–	9	9+	2000
	Chester (Sealand)	08·9	−8	N	3	z0	34	92	33	5	2	–	–	9	9	2000
8	Manchester ...	08·6	−8	NNE	3	z0	33	65	23	6	2	–	–	7-8	7-8	2500
10	Spurn Head ...	07·1	−4	ENE	2	c	32	97	31	6	8	7	–	4-6	7-8	1500
	Catterick ...	08·8	−10	N	3	s0s0	30	75	25	4	5	–	–	10	10	1800
	Tynemouth ...	10·1	−10	NE	4	c/ps	33	85	30	7	2	3	–	4-6	7-8	2400
11	St. Abbs Head	11·0	−10	NE	3	c/s	32	85	29	8	8	7	–	4-6	9+	2500
	Leuchars ...	12·1	−8	NE	3	c	33	92	31	7	9	3	–	7-8	9	1800
12	Renfrew (Abbots I.)	12·6	−10	NNE	3	c	33	75	28	8	7	4	–	7-8	7-8	3500
	Eskdalemuir ...	10·3	−12	NNE	4	ps	30	75	22	8	5	7	–	4-6	7-8	1100
	Point of Ayre ...	10·7	−8	ENE	4	c	34	92	31	8	8	–	–	9+	9+	2000
13A	Tiree ...	15·0	−6	E	2	b	35	75	32	8	1	–	–	Tr	Tr	3500
13B	Stornoway ...	14·6	−8	S	1	c	37	85	32	8	5	7	–	7-8	10	2500
15	Dalwhinnie ...	13·7	−8	NE	1	c	29	85	27	8	7	–	–	9	9	2500
	Aberdeen ...	12·6	−8	NNW	2	ps	32	85	26	7	2	7	–	9	9+	900
	Wick ...	13·9	−14	WSW	1	ps	32	92	30	6	5	–	–	10	10	600
16	Sumburgh ...	13·2	−18	–	0	c	35	75	28	8	5	–	–	7-8	10	4500
17	Blacksod Point	13·6	−2	E	1	bc	36	55	21	7	5	5	–	1	2-3	4000
18	Malin Head ...	12·6	−6	ENE	3	c	35	92	33	8	4	–	2	7-8	9	4000
	Aldergrove ...	12·2	−6	N'W	2	iso	32	92	29	6	5	–	–	9+	9+	2500
19	Birr Castle ...	11·4	0	N	2	spso	31	92	29	4	5	–	–	10	10	2500
20	Valentia Obsy.	10·6	+2	NE'E	4	bc	34	65	23	6	5	–	–	4-6	4-6	4000
	Roches Point	10·2	+2	NNE	4	iso	32	85	28	7	6	2	–	7-8	9+	1500

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)	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)	06·1	+4	NNE	3	z0	29	65	18	5	5	–	–	4-6	4-6	2500	3	*
	Croydon ...	05·9	−2	NNE	4	z0	29	85	26	5	5	–	–	9	10	3000	3	*
	S. Farnborough	06·2	−2	NE'N	2	z0	30	65	19	6	5	–	–	10	10	3000	3	*
	Boscombe Down	06·6	0	NE	3	z0	29	65	19	6	5	–	–	Tr	Tr	3000	3	*
	Thorney Island	06·1	0	NNE	2	z0	29	65	17	5	–	–	–	0	0	–	3	*
	Lympne ...	07·0	+2	–	0	z0	21	85	17	5	5	–	–	9	9	2500	4	§ 3
	Manston ...	05·7	−2	N	2	z0	28	85	24	5	5	–	–	10	10	2000	8	*
2	Shoeburyness ...	06·8	−2	N'E	1	z0	26	75	21	5	5	7	–	7-8	10	3500	3	*
	Felixstowe ...	06·4	−2	–	0	z0	27	75	19	6	–	–	–	0	0	–	4	1
	Gorleston ...	07·0	+6	NNW	2	z0	29	85	26	6	5	–	–	9	9	1500	8	2
	Mildenhall ...	06·5	−2	N'W	2	z0	27	85	23	6	5	–	–	2-3	2-3	2000	3	*
	Cranwell ...	06·8	0	N'W	3	z0	27	85	25	6	5	–	–	Tr	Tr	3000	8	*
3	Birmingham ...	06·7	−2	NNE	2	m	30	75	23	4	5	–	–	9+	9+	2500	4	*
	Upper Heyford	06·1	−4	NNE	1	z0	28	85	24	6	4	–	–	2-3	2-3	2800	3	*
4	Ross-on-Wye	07·3	0	N	2	z0	31	75	23	5	5	–	–	7-8	7-8	2000	3	*
	Hartland Point	06·2	−2	NNE	5	c	33	55	20	7	5	–	–	7-8	7-8	1800	3	4
	Bristol ...	07·4	−2	NNE	3	z0	29	75	22	5	5	–	–	1	1	4000	3	*
	Portland Bill ...	05·9	+4	NNE	4	c	32	85	29	7	5	7	–	4-6	10	4000	1	4
	Plymouth ...	06·0	+2	ENE	4	z0	31	75	26	6	–	–	4	0	7-8	–	3	3
	The Lizard ...	05·0	0	ENE	4	c	33	75	26	6	8	6	–	7-8	7-8	1500	0	4
	Scilly (St. Mary's)	05·1	0	ENE	5	c	34	65	23	6	8	6	3	4-6	7-8	1500	3	5
	Guernsey ...																	
6	Pembroke ...	07·8	0	NE	4	c	34	75	26	7	8	6	–	7-8	10	2500	3	2
7	Holyhead ...	08·2	−4	N	2	c/ps	32	85	29	7	8	6	–	7-8	9	2000	3	2
	Chester (Sealand)	08·1	+2	NW'N	2	c/ps	31	97	31	5	5	3	–	9	10	6000	0	*
8	Manchester ...	07·6	0	N'W	3	m	29	85	25	4	4	6	–	4-6	10	3000	4	*
10	Spurn Head ...	06·7	0	NNE	3	is	31	97	30	6	8	5	–	4-6	7-8	1500	6	4
	Catterick ...	08·0	−6	NNW	3	s0s0	29	85	26	5	5	3	–	9	9+	1300	7	*
	Tynemouth ...	09·1	−2	NNE	4	ps	32	97	32	7	8	–	–	9+	9+	2500	8	4
11	St. Abbs Head	09·4	−6	NNE	4	c	33	75	27	8	8	2	–	7-8	10	2500	7	3
	Leuchars ...	10·7	−4	N	3	c/ps	31	85	29	6	5	–	–	9+	9+	2200	8	*
12	Renfrew (Abbots I.)	11·3	−2	–	0	b	31	65	20	7	–	3	–	0	Tr	–	3	*
	Eskdalemuir ...	09·7	−2	NNE	3	ps	27	75	21	6	5	1	–	7-8	9	1200	9	*
	Point of Ayre ...	09·5	−2	NE'E	4	bc	34	97	34	8	9	4	–	4-6	4-6	2500	0	3
13A	Tiree ...	14·8	−4	–	0	c	33	75	32	8	5	3	–	2-3	7-8	3500	0	2
13B	Stornoway ...	12·8	−10	–	0	c	37	85	32	8	5	7	–	7-8	10	4500	1	1
15	Dalwhinnie ...	12·5	−8	NE	1	bc	27	85	23	8	8	–	–	4-6	4-6	2500	4	*
	Aberdeen ...	11·2	−6	NNW	1	bc/ps	29	92	27	6	8	–	–	4-6	4-6	1600	8	3
	Wick ...	11·2	−12	WNW	2	c/s	33	85	29	8	5	–	–	9+	9+	2800	4	*
16	Sumburgh ...	10·5	−16	–	0	c	33	85	29	8	5	–	–	9	9	3500	1	2
17	Blacksod Point	11·7	−8	NE'E	2	bc	36	65	25	8	5	–	–	4-6	4-6	2500	0	2
18	Malin Head ...	11·7	−2	ENE	3	c	34	75	27	8	8	6	–	4-6	7-8	4000	*	4
	Aldergrove ...	11·4	−2	N	1	ps	28	92	25	7	5	3	–	7-8	7-8	3500	4	*
19	Birr Castle ...	10·4	−2	E	2	0	31	97	30	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	10·6	+2	NE'E	3	z0	33	85	29	6	5	–	–	9+	9+	4000	1	3
	Roches Point	09·4	−2	NNE	3	c	33	85	29	7	6	2	–	7-8	9+	1500	3	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h.—1h. 22nd / 23rd (41)	1h.—7h. 23rd (42)
1	London (Kew)	b,czoy	cybcz0	bczx	cm
	Croydon ...	czobcz	bzczo	cmbcx	bcfcm
	S. Farnborough	bzobcy	bczoyc	cbzfc	cfm
	Boscombe Down	bczo	bcmo	bm	cm
	Thorney Island	cbmo	bmobcmocmb,cm		bcc
	Lympne ...	cmoso	cb,cmo	com	bcom
	Manston ...	sosofmsh	sohczomocm		cz
2	Shoeburyness ...	oisomocmo	cmo	cbmx	bmxcm
	Felixstowe ...	cisomocso	czobzo	bczcm	cm
	Gorleston ...	offsscz0	cz0	cm	cmc
	Mildenhall ...	bccmo	cmobcmo	cmbmcm	cm
	Cranwell ...	cpsombcmo	cmopso	cmiso	cmissh
3	Birmingham ...	cpso z	cbccz	cbcm	com
	Upper Heyford	csossbmoc	cmobcmo	bcmcm	cm
4	Ross-on-Wye	cbccz	bccz0	bczcm	cm
	Hartland Point	cish	cy	c	cbcc
	Bristol ...	cso bcmoz	czobzo	bzcfx	cfmx
	Portland Bill ...	co	c	bcbc	bcc
	Plymouth ...	bmocmo	bcmo	cmbm	bmbcm
	The Lizard ...	oc	c	cmx	bc
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	cmoc	c	bbc	bc
7	Holyhead ...	cso pso mo	cpso mo	cpsm	cism
	Chester (Sealand)	bmmoc	bcc,pscmo	cmism	cmsso
8	Manchester ...	sobcmo	bcpsmo	cmsso	ss
10	Spurn Head ...	offc	cis	c	cis
	Catterick ...	osssfm	cmososo	cssmm	cmsfm
	Tynemouth ...	csosoc	cps	cps	pis
11	St. Abbs Head	oiscos	isoc	css	zsc
	Leuchars ...	ssfpsomo	cpscsoso	mocmc	c
12	Renfrew (Abbots I.)	mosoisoc	cbcyb	bm	
	Eskdalemuir ...	csopso	bcbso		
	Point of Ayre ...	cisoc	cpsoc	bcc	c
13A	Tiree ...	bcb	bcc		
13B	Stornoway ...	c	c	cpr	cir
15	Dalwhinnie ...	c	c	*	
	Aberdeen ...	cpsmo	cpsso	cz c	cz
	Wick ...	cpsops	psocsh	c	cbcbbc
16	Sumburgh ...	cisoc	c	c,b,c,b,c	ssrscsb
17	Blacksod Point	s-rs	bc	bc	b
18	Malin Head ...	bc	c	bc	bc
	Aldergrove ...	cossf	cisomo	ps,f,bm	bmjf
19	Birr Castle ...	s-rs	s-rs	*	bc
20	Valentia Obsy.	bc	bc	bc	b
	Roches Point	s-rs	s-rs	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 23rd February 1942.

Districts	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light northerly winds backing northwest or west later; cloudy to overcast at first with light local snow showers; probably clear periods later; mainly frosty
4 W. Midlands 5 S.W. England 6 South Wales	Light northeast to north winds, fresh at first on the Southwest coast; bright periods; local snow showers especially later, frost at night
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light northwest to west winds, veering northerly later and freshening; variable sky with bright periods, some light snow showers; mainly frosty.
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 west to northwest winds, becoming northerly, moderate to fresh later; mainly cloudy with some snowfall, mainly slight except locally in hills; bright periods and snow showers later. Cold and mainly frosty.
16 Orkneys and Shetlands	As 11-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light, rather variable winds; mainly fine at first, but local snow showers in the North later. Cold with persistent frost inland.

GENERAL INFERENCE

Pressure is high to the North and low to the South of the British Isles. A shallow depression northeast of Shetland tends to become somewhat deeper and is moving southwest. There will be occasional light snow in Scotland, and some light local snow showers in Midlands and East England, but on the whole bright periods will predominate especially in the West.

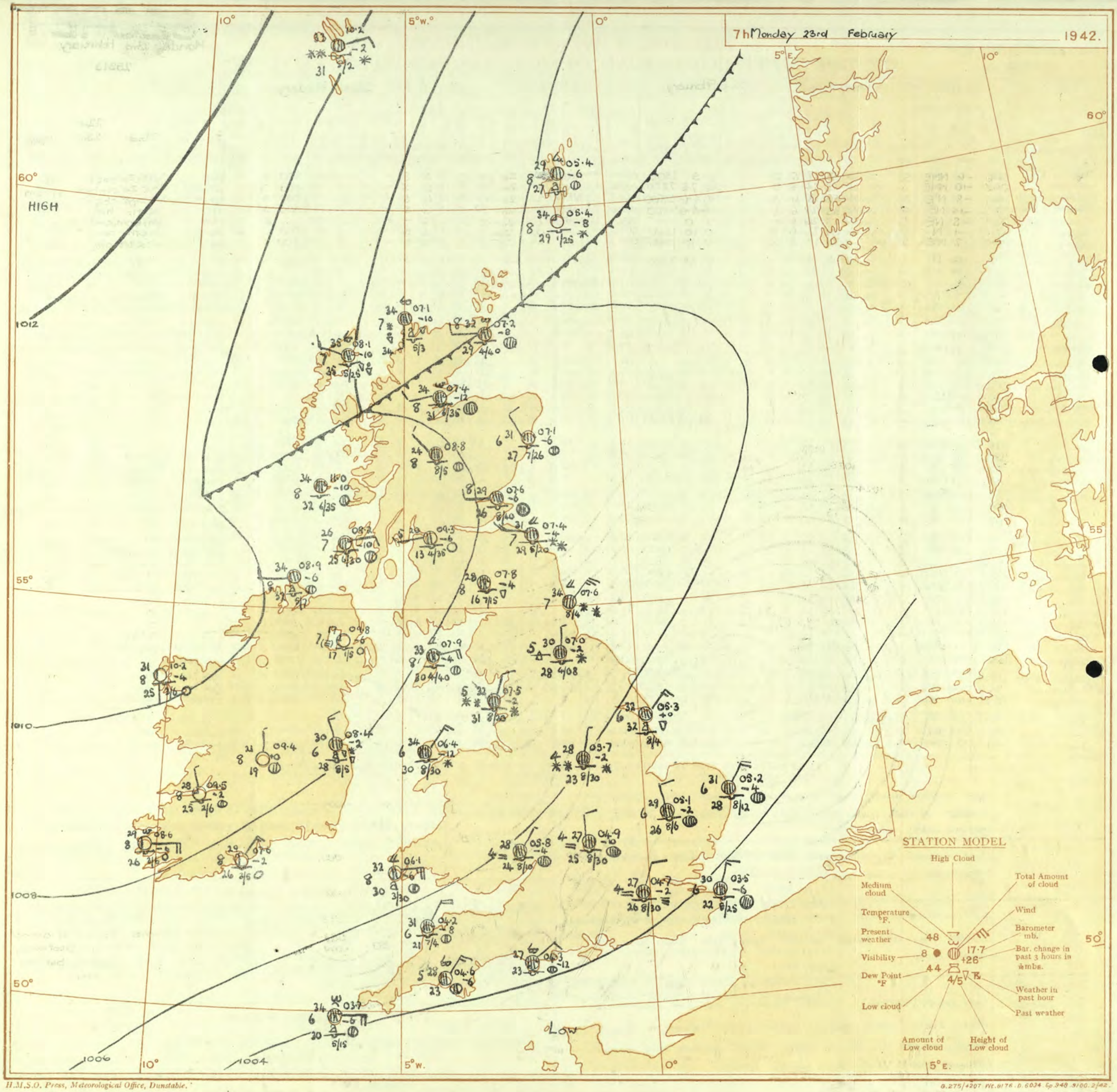
FURTHER OUTLOOK

Continuing mainly wintry in most districts.

Forecasts issued at 10·30 G.M.T.

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

7h Monday 23rd February 1942.



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

G.275/4207 Wt.8176 D.6034 Gp.348 3100 2/42

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).

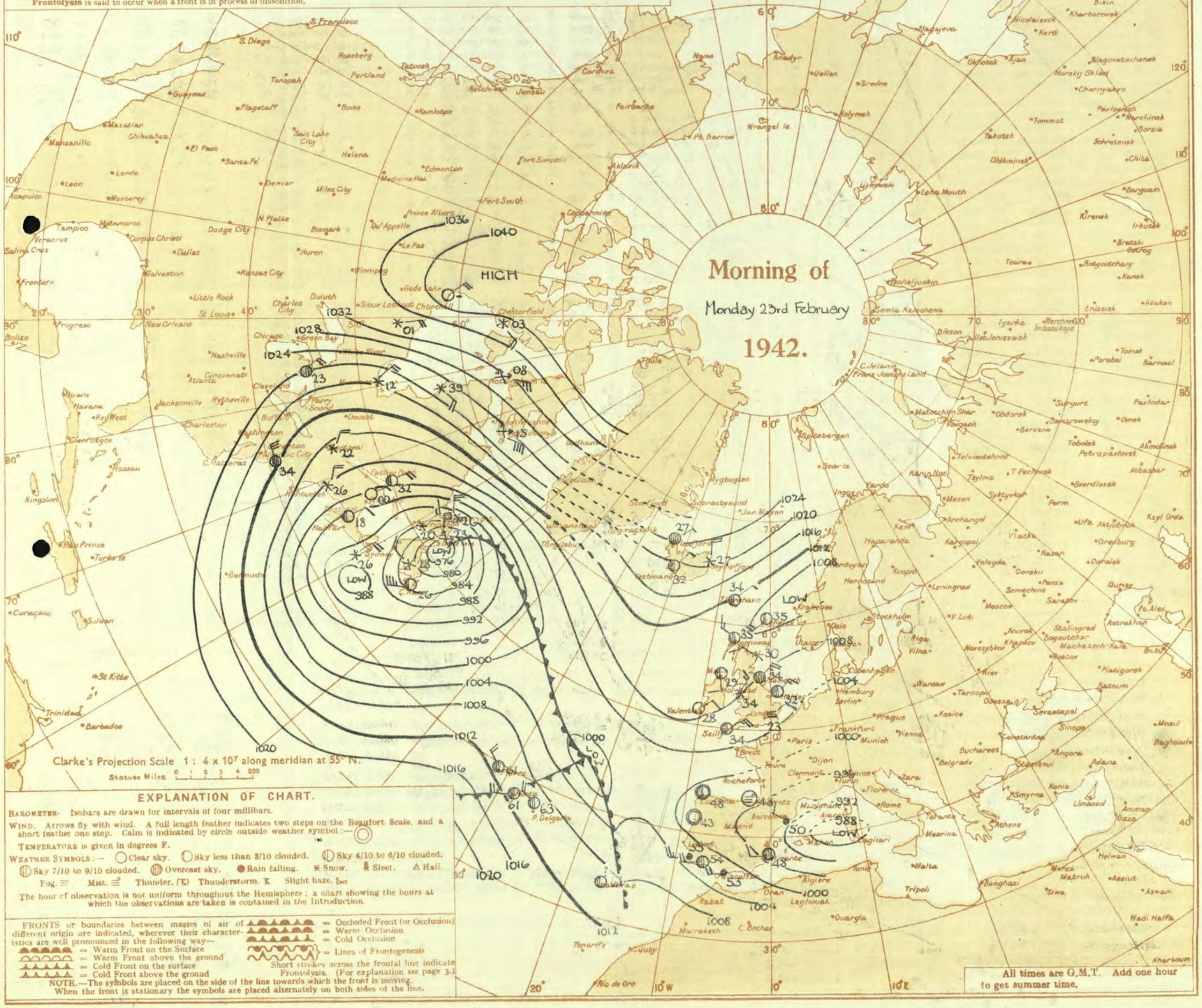
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Monday 23rd February 1942

No. 29313

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	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*
	Croydon	217	06·0	-2	NE	1	cf	23	92	22	3	5	-	-	7-8	7-8	4500
	S. Farnborough	226	05·8	-4	N	1	·of+	24	85	21	3	5	-	-	10	10	2000
	Boscombe Down	417	07·0	+2	N'E	1	z	20	97	18	8	-	-	5	0	1	-
	Thorney Island	10	06·1	-2	NNE	2	zo	21	85	18	5	5	-	-	7-8	7-8	3100
	Lympne	346	06·5	0	NNE	2	zo	25	85	20	5	5	-	-	4-6	4-6	2000
	Manston	154	05·3	-6	NNE	3	zo	28	65	19	5	5	-	-	10	10	2400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	05·7	-2	N'W	1	zo	28	85	24	6	5	-	-	10	10	3000
	Gorleston	5	06·1	-6	NW'W	1	zo	27	85	23	5	5	-	-	10	10	1500
	Mildenhall	19	05·9	-6	WNW	2	zo	28	87	28	5	5	-	-	10	10	2900
	Cranwell	240	06·5	-6	NNW	2	iso	28	97	28	5	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·3	-4	NNW	1	m	25	97	24	4	5	-	-	9+	9+	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·1	-2	NE	4	c	33	85	30	6	5	-	-	7-8	7-8	1500
	Bristol	20?	07·4	-4	-	0	cf-	25	92	22	3	5	-	-	9	9	2400
	Portland Bill	32	06·5	+8	NNE	2	bc	27	85	23	7	2	-	-	2-3	2-3	4000
	Plymouth	82	06·1	-2	NE	4	zo	29	65	20	5	-	-	-	0	0	-
	The Lizard	240	05·2	0	NNE	4	c	30	92	28	6	5	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	05·1	-6	E'N	5	c	34	75	28	6	8	6	3	4-6	9	1500
	Guernsey	175															
6	Pembroke	142	07·0	-8	NE	4	bc	30	92	29	8	2	-	-	2-3	2-3	4000
7	Holyhead	26	07·8	-2	NNE	3	iso	34	92	31	6	5	-	-	10	10	2600
	Chester (Sealand)	16	07·7	-6	NNW	2	iso	31	97	30	4	5	-	-	10	10	5000
8	Manchester	235	07·4	-4	NNW	1	soso	29	92	27	5	-	2	-	10	10	4500
10	Spurn Head	29	06·1	0	ENE	3	c	32	97	31	7	8	-	-	9+	9+	1500
	Catterick	175	07·6	-4	N	1	soso	30	92	28	4	5	-	-	10	10	1500
	Tynemouth	108	08·4	0	NNE	5	o	34	92	32	7	3	-	-	10	10	1500
11	St. Abbs Head	280	08·8	-4	N	3	soso	32	97	32	7	5	2	-	9	10	1500
	Leuchars	36	09·8	-6	W	2	c	25	85	22	8	5	-	-	7-8	7-8	4000
12	Renfrew (Abbots I.)	19	10·4	-6	W	2	zo	23	97	21	6	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	09·0	-2	NE	4	c	33	85	30	8	5	2	-	4-6	10	3000
13A	Tiree	22															
13B	Stornoway	80	10·3	-8	NW	3	c/pr	35	97	35	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Wick	119	09·7	-6	W	2	c	31	85	26	8	5	3	-	2-3	7-8	3500
16	Sumburgh	30	07·8	-14	SW	1	c	37	92	34	8	5	-	-	9+	9+	3500
17	Blacksod Point	18	11·3	-4	SE	1	b	33	85	29	8	-	-	-	0	0	-
18	Malin Head	84	10·6	-6	S	2	bc	29	85	25	8	4	-	-	4-6	4-6	4000
	Aldergrove	268	11·0	0	-	0	b/f	23	97	23	6	5	-	-	Tr	Tr	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·1	-6	ENE	2	b	28	85	24	8	1	-	-	1	1	4000
	Roches Point	22	09·4	0	NE	4	c	31	85	27	8	5	-	-	7-8	7-8	2500

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)	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 22nd Hrs. (38)
London (Kew)	04·2	-6	NNE	3	zo	29	85	25	5	5	-	-	10	10	2500	3	*	31	26	13	-	-	3·7
Croydon	04·7	-2	NNE	2	m	27	92	26	4	5	-	-	10	10	3000	3	*	31	23	16	Tr	-	4·1
S. Farnborough	04·3	-8	N'E	2	m	27	85	24	4	5	·	-	10	10	3000	3	*	33	19	13	-	-	6·3
Boscombe Down	05·1	-10	NNE	2	zo	24	97	23	6	8	-	-	10	10	2000	3	*	32	18	13	Tr	Tr	4·2
Thorney Island	04·6	-14	NNE	1	zo	22	97	21	5	5	7	-	2-3	9+	4000	3	*	33	[illegible]	10	-	-	*
Lympne	04·4	-10	N'E	2	zo	28	75	20	6	5	-	-	10	10	1100	4	§ 3	28	20	14	0·3	-	0·2
Manston	03·5	-6	NNE	3	zo	30	75	22	6	5	-	-	10	10	2500	8	*	28	26	23	0·6	-	0·0
Shoeburyness	04·8	-4	N'E	2	zo	28	92	26	5	5	-	-	10	10	3500	3	*	32	24	16	Tr	-	0·7
Felixstowe	04·0	-6	N	2	zo	29	85	24	6	5	-	-	10	10	3000	4	1	30	24	16	0·1	-	2·0
Gorleston	05·2	-4	NE'N	4	zo	31	85	28	6	5	-	-	10	10	1200	8	2	30	25	23	1	-	*
Mildenhall	05·1	-2	N'W	2	zo	29	85	26	6	5	-	-	10	10	4000	3	*	31	22	13	Tr	-	3·9
Cranwell	05·5	-6	NW'N	2	sh	28	97	27	4	5	-	-	10	10	1800	8	*	32	26	21	0·5	Tr	2·9
Birmingham	05·8	-4	N	3	iso	28	92	26	4	6	-	-	10	10	800	4	*	32	26	22	Tr	Tr	0·9
Upper Heyford	04·9	-10	N'W	2	m	27	92	25	4	5	-	-	10	10	3000	3	*	33	22	19	Tr	-	*
Ross-on-Wye	05·8	-4	NE	1	m	28	85	24	4	5	-	-	10	10	1000	3	*	34	25	16	-	-	1·8
Hartland Point	04·2	-8	NE	4	c	31	65	21	6	5	-	·	9+	9+	1500	3	4	33	31	28	Tr	-	0·[illegible]
Bristol	06·2	-2	NNE	2	m	28	97	27	4	5	-	-	10	10	4000	3	*	33	23	10	-	-	0·0
Portland Bill	04·3	-12	NE	2	c	27	85	23	7	4	7	-	4-6	9	4000	1	4	34	24	*	-	-	*
Plymouth	04·6	-6	NE	3	zo	28	85	23	5	-	7	-	0	7-8	-	3	3	34	26	22	-	-	3·3 (5·3)
The Lizard	04·0	-2	NE	4	bc	29	85	25	6	8	6	-	4-6	4-6	2500	0	4	33	28	*	-	-	0·0
Scilly (St. Mary's)	03·7	-6	E'N	4	c	34	85	30	6	8	6	-	7-8	9+	1500	1	5	34	32	*	-	-	2·8
Guernsey																							
Pembroke	06·1	-6	ENE	5	bc	32	85	30	8	2	2	-	2-3	4-6	3000	3	3	36	26	*	-	-	0·1
Holyhead	06·4	-6	NE	3	zo	34	85	30	6	5	-	-	10	10	3000	3	3	36	30	25	Tr	Tr	*
Chester (Sealand)	06·8	-2	N	2	soso	31	97	30	4	5	2	-	9+	10	4000	4	*	35	31	27	Tr	Tr	2·0
Manchester	06·6	-2	-	0	iso	29	92	27	4	6	2	-	9+	10	3000	8	*	35	27	23	0·1	0·2	*
Spurn Head	05·3	0	NE	3	o	32	97	32	6	8	-	-	10	10	1500	8	4	33	29	*	2	0·3	3·0
Catterick	07·0	-2	N	1	sh	30	92	28	5	5	-	-	4-6	10	800	7	*	32	29	19	1	2	0·2
Tynemouth	07·6	-4	NE	5	o/s	34	92	33	7	-	2		10	10	1500	4	4	33	32	30	1	1	*
St. Abbs Head	07·4	-4	WNW	3	c/s	31	85	29	7	5	2	-	7-8	10	2000	7	3	33	29	*	0·2	1	*
Leuchars	07·6	-6	W	2	c	29	85	26	8	5	-	-	10	10	4000	8	*	34	25	21	2	-	0·4
Renfrew (Abbots I.)	09·3	-6	W'S	1	zo	20	85	13	5	5	-	-	4-6	4-6	3500	3	*	35	18	12	0·1	Tr	4·1
Eskdalemuir	07·8	-4	-	0	c	28	65	16	8	5	-	-	9+	9+	1500	9	*	32	26	23	0·2	0·1	2·2
Point of Ayre	07·9	-4	ENE	4	c	33	85	30	8	5	2	-	4-6	9+	4000	3	3	35	32	*	0·2	-	0·2
Tiree	11·0	-10	-	0	c	34	75	32	8	5	-	-	9	9	3500	0		37	32	*	-	-	4·3
Stornoway	08·1	-10	WNW	3	c/pr	35	97	35	7	5	7	-	7-8	9+	2500	1	2	38	33	*	-	0·1	0·0
Dalwhinnie	08·8		NW	1	o	24		19	8	5	-	-	10	10	2500	4	*	31	11	6	-	-	1·7
Aberdeen	07·1	-6	NW	2	c	31	85	27	6	5	-	-	9+	9+	2600	8	3	32	25	20	2	-	0·7
Wick	07·2	-8	W	2	c	32	85	29	8	5	3	-	4-6	7-8	4000	3	*	35	30	28	0·6	Tr	*
Sumburgh	05·4	-8	-	0	b	34	97	33	8	5	-	-	Tr	Tr	2500	5	3	38	33	20	Tr	0·3	0·[illegible]
Blacksod Point	10·2	-4	SSE	2	bc	31	75	24	8	5	-	-	2-3	2-3	4000	0	2	38	27	*	-	-	*
Malin Head	08·9	-6	W	2	c	34	92	32	8	8	-	-	7-8	7-8	5700	3	3	35	27	x	Tr	-	0·0
Aldergrove	09·8	-6	-	0	b,f	17	97	17	7	5	-	-	Tr	Tr	2500	8	*	33	15	6	1	0·6	0·6
Birr Castle	09·4	0	N	1	b	21	92	19	8	-	-	-	0	0	-	3	*	32	21	17	0·4	-	0·0
Valentia Obsy.	08·6	-6	E	4	bc	29	85	25	8	5	3	-	2-3	2-3	4000	2		35	26	20	-	Tr	3·5
Roches Point	07·6	-2	NE	3	bc	29	85	25	8	5	-	-	2-3	2-3	2500	3	4	34	29	*	0·2	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd February $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 23rd February $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	7-	02864	27125	8-	02766	00086	82	01752	22423	2-	01754	28224
115	57	02944	20127	52	02844	20287	52	83734	20387	87	85735	16188
203	52	52834	08128	5-	02948	00028	6-	02838	16328	6-	83838	16468
206	80	01864	00074	50	01874	26114	53	02864	28226	53	02866	22227
210	8-	05655	20215	86	02844	16185	8-	02757	20387	57	02866	20217
220	97	01963	06316	57	01864	00007				80	01754	06114
230	13	00861	04203	43	01853	00003	00	00890	00000	5-	02757	06127
245	94	26742	32383	93	83846	32287	5-	03868	22128	52	03864	25228
260	8-	83547	04277	5-	72648	30278	6-	05555	30215			
278	73	71853	03377	8-	01765	02475	50	00761	32112	50	00761	24101
279	32	02863	04426	8-	83657	03387	57	02765	31328	53	02765	31227
285										50	71628	32378
288	8-	05635	03288	26	26547	02288	5-	78458	01378	5-	23448	01378
575	8-	23856	00076	5-	02865	06115	00	00790	00000	00	00790	00000
301	2-	05656	02376	9-	83648	02388	5-	72568	32278	5-	72558	02278
321	8-	83847	01387	87	83645	31388	5-	71568	29288	5-	71668	30278
299	80	74645	04575	8-	23745	32375	8-	23748	32378	8-	23748	32478
292	5-	72547	30277	52	72655	30378	5-	72568	31278	5-	71758	29278
310										--	02638	04318
614	8-	05656	02326	5-	23555	02275	5-	05568	32178	5-	72468	02178

III	13h. G.M.T. 22nd February $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 23rd February $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	7-	02656	02316	5-	02855	04115	8-	26758	00088	5-	71768	32178
334										--	72547	02375
340	5-	05557	32127	5-	23548	32178	50	23465	32275	5-	71468	32178
136	5-	05666	32276	50	05562	32212	5-	05668	30278	5-	05668	03378
336							-			57	05534	04328
350	20	05644	32374	5-	05561	05211	5-	71566	00026	5-	05568	32228
368	5-	05657	06478	50	05652	04212	00	08490	04100	5-	05557	00027
379	8-	05547	04377	8-	05658	04388	5-	05548	04228	5-	47348	32378
390	50	05554	03374	40	05564	01224	5-	08458	32128	5-	41458	32148
382	8-	05657	03327	40	05644	01214	00	08490	01200	7-	05558	32228
438	5-	02558	02378							5-	05548	02428
430	00	05590	02410	00	05590	04100	5-	05556	02216	53	08464	02216
409	50	05664	04414	53	05654	05414	50	05561	05303	5-	05666	06216

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

§ Sea disturbance reported from Dungeness.

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

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	b,czoy	cybczo	bczxcmo
Croydon	czobcz	bzczo	cbcfcm
Greenwich	bc	bcy	bxcsom
Camden Square	o	bc	*
Kensington	bcz	bccz	*
Hampstead	bcx	bcx	bcxs

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·6 Time 21h 22nd
Min. 0·1 Time [illegible] 23rd

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	31	26	13	-	-	3·7	*	*
Croydon	31	23	16	Tr	-	4·1	*	*
Greenwich	31	25	16	-	Tr	2·7	56	77
Westminster	33	28	26	-	-		79	98
Regents Park	31	24	11	-	Tr			94
Camden Square	33	25	12	-	-	*	*	94
Kensington	32	25	18	-	Tr		93	92
Hampstead	30	23	16	-	Tr		*	93

BRITISH SECTION

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

SECRET

Tuesday 24th February, 1942

No. 22314

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	03·4	-8	NE'N	4	cS₀	33	65	22	6	5	-	-	10	10	1500
	Croydon ...	03·4	-8	N'E	4	Z₀	31	75	23	5	5	-	-	10	10	2500
	S. Farnborough	03·4	-10	NE'E	3	Z₀	32	65	23	5	7	3	-	7-8	9+	1700
	Boscombe Down	03·3	-10	E'N	4	c	31	75	23	7	8	-	-	10	10	2000
	Thorney Island	03·3	-10	NE	4	Z₀	33	66	23	6	5	7	-	7-8	10	4000
	Lympne ...	03·6	-4	NNE	3	Z₀	31	85	28	6	5	-		9+	9+	1200
	Manston ...	02·8	-6	NNE	4	sh	31	85	28	6	5	-	-	10	10	1500
2	Shoeburyness ...	04·5	-4	NE'N	3	c	33	65	23	6	-	7	-	0	7-8	—
	Felixstowe ...	03·8	-8	NE	2	c	33	65	23	7	5	1	-	9	9+	4000
	Gorleston ...	04·7	-6	NE	3	Z₀	32	85	29	6	8	-	-	7-8	7-8	1800
	Mildenhall ...	04·8	-6	NE'N	3	c	32	85	29	7	8	-	2	4-6	7-8	1800
	Cranwell ...	05·3	-6	NNE	3	c/s	33	85	29	7	6	-	-	4-6	9	1200
3	Birmingham ...	05·5	-2	ENE	3	cS₀	31	85	27	4	6	-	-	10	10	800
	Upper Heyford	04·6	-6	NE	2	cS₀	31	85	26	5	8	-	-	10	10	2500
4	Ross-on-Wye	04·8	-6	NE	3	m/s	33	75	27	4	6	3	-	7-8	9+	800
5	Hartland Point	03·7	-8	NNE	5	c	32	55	19	7	5	-	-	9+	9+	1500
	Bristol ...	04·8	-10	NNE	4	Z₀	32	75	28	6	8	-	-	9+	9+	3000
	Portland Bill ...	03·8	-6	NE	3	c	33	85	29	7	5	-	-	10	10	4000
	Plymouth ...	03·2	-14	NE	4	Z₀	32	65	24	6	5	-	-	9+	9+	3500
	The Lizard ...	03·4	-6	NNE	4	o	32	85	28	5	5	-	-	10	10	1000
	Scilly (St. Mary's)	02·9	0	E'N	5	c	33	85	30	7	6	-	-	10	10	1500
	Guernsey ...															
6	Pembroke ...	05·1	-6	ENE	4	c	35	65	23	8	8	6	-	7-8	10	3000
7	Holyhead ...	06·1	-6	NE	2	bc	37	75	29	8	8	6	-	4-6	4-6	2000
	Chester (Sealand)	06·3	-6	N	1	bs/fs	35	75	29	5	6	-	1	2-3	2-3	2000
8	Manchester ...	06·3	-6	NE	2	c/ps	35	65	26	4	2	-	-	7-8	7-8	2500
10	Spurn Head ...	03·2	0	NE	4	c	34	85	30	7	8	1	-	7-8	9+	1500
	Catterick ...	06·8	-8	NNW	2	S₀S₀	33	85	27	4	5	3	-	9	9+	2500
	Tynemouth ...	07·7	-4	NNW	3	S₀S₀	33	92	30	4	-	2	-	10	10	2400
11	St. Abbs Head	06·7	-4	WNW	3	c	33	65	24	7	5	7	-	7-8	9	2000
	Leuchars ...	04·4	-12	WNW	2	Z₀	38	55	25	6	5	-	-	2-3	2-3	4000
12	Renfrew (Abbots I.)	07·8	-10	W	2	Z₀	38	65	28	5	5	-	-	9	9	5000
	Eskdalemuir ...	06·9	-6	NW	2	bc	33	45	17	8	5	-	-	4-6	4-6	3700
	Point of Ayre ...	07·6	-2	NE	2	b	37	55	23	8	1	4	-	Tr	1	2500
13A	Tiree ...	09·9	-4	NNE	2	bc	44	85	35	8	8	3	-	2-3	2-3	2800
13B	Stornoway ...	07·0	-6	NW	2	c	41	85	36	8	5	4	-	2-3	7-8	2500
15	Dalwhinnie ...	07·2	-4	W	1	c	35	75	28	8	5	4	-	4-6	9	4000
	Aberdeen ...	06·1	-6	WSW	2	Z₀	39	45	26	6	-	3	-	0	2-3	—
	Wick ...	05·7	-6	W'N	2	bc	40	75	34	9	2	3	-	4-6	4-6	2500
16	Sumburgh ...	05·1	-2	NNE	3	prs	37	92	35	8	8	-	-	9+	9+	1500
17	Blacksod Point	08·5	-6	SSE	2	b	40	45	20	8	5	-	-	1	1	4000
18	Malin Head ...	07·4	-10	SSW	3	c	39	85	35	8	4	-	2	7-8	7-8	4000
	Aldergrove ...	08·6	-8	—	0	c	35	75	28	7	8	3	-	4-6	7-8	3500
19	Birr Castle ...	08·1	-12	N	2	b	37	65	26	8	-	-	-	0	0	—
20	Valentia Obsy.	07·9	-8	ENE	4	b	38	45	18	8	-	-	-	0	0	—
	Roches Point	06·8	-6	N'E	4	b	39	55	24	8	1	-	-	1	1	4000

OBSERVATIONS at 18h. G.M.T. 23rd 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)	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)	02·9	0	NE	3	Z₀	33	55	21	6	8	3	-	7-8	9+	1500	3	*
	Croydon ...	02·7	0	NE	4	m	31	75	25	4	5	7	-	7-8	9+	1800	3	*
	S. Farnborough	02·5	0	NE	3	Z₀	33	65	23	6	5	-	-	9+	9+	1800	3	*
	Boscombe Down	03·4	0	NE'E	4	c	31	75	23	7	5	-	-	9+	10	1600	0	*
	Thorney Island	02·7	-2	NNE	2	c	33	75	25	6	5	-	-	10	10	2500	3	*
	Lympne ...	02·9	+2	NNE	4	sh	30	85	25	6	5	-	-	10	10	700	4	*
	Manston ...	02·3	+2	NE'N	4	Z₀	31	85	29	6	5	-	-	10	10	1500	8	*
2	Shoeburyness ...	03·7	+2	NE	3	c	31	85	26	6	5	7	1	1	9+	2500	1	*
	Felixstowe ...	03·5	+6	NE'N	3	c	30	85	25	6	5	-	6	2-3	7-8	2500	4	2
	Gorleston ...	04·4	+2	ENE	4	c	31	92	29	7	8	-	-	10	10	1500	4	3
	Mildenhall ...	04·3	+2	NE	3	c	31	75	25	7	8	7	9	4-6	9+	2000	3	*
	Cranwell ...	05·8	+6	NNE	3	c/s	31	87	30	5	5	-	-	9	9	2500	8	*
3	Birmingham ...	05·6	+2	NNE	3	Z₀	32	75	25	5	5	-	-	10	10	1500	4	*
	Upper Heyford	03·9	-2	NE	4	c	30	75	23	7	8	-	-	10	10	1800	3	*
4	Ross-on-Wye	04·5	0	NE	3	c	33	65	23	6	5	-	-	10	10	2000	3	*
5	Hartland Point	02·8	-2	NNE	5	c	33	75	27	6	5	-	-	10	10	1500	3	4
	Bristol ...	04·5	+2	NE	4	Z₀	33	75	27	6	5	2	-	9+	10	3000	0	*
	Portland Bill ...	02·7	-4	NE	4	c	33	85	30	7	5	-	-	10	10	2500	1	4
	Plymouth ...	02·5	-2	ENE	5	Z₀	32	65	23	6	5	-	-	9+	9+	3500	3	3
	The Lizard ...	01·9	-4	NE	4	c	32	75	25	6	5	5	-	7-8	10	1500	0	4
	Scilly (St. Mary's)	01·8	-4	ENE	5	c	35	65	22	6	5	-	-	10	10	1500	3	5
	Guernsey ...																	
6	Pembroke ...	06·5	+10	N'E	4	c	35	85	29	8	5	2	-	7-8	9+	1200	3	3
7	Holyhead ...	06·2	+2	N'E	2	cjp	35	75	29	8	8	-	-	9+	9+	3500	1	2
	Chester (Sealand)	06·7	+6	N	2	m	33	75	28	4	5	-	-	10	10	3400	0	*
8	Manchester ...	06·1	+2	—	0	Z₀	33	75	27	5	4	-	-	10	10	4500	8	*
10	Spurn Head ...	05·4	+2	NE'E	3	c	34	87	33	7	8	7	1	4-6	7-8	1500	4	4
	Catterick ...	07·2	+4	NW	1	c	31	85	29	7	5	-	-	10	10	2500	7	*
	Tynemouth ...	07·3	0	WNW	2	Z₀	32	85	29	5	5	-	-	7-8	7-8	3200	4	3
11	St. Abbs Head	06·0	0	WNW	2	bc	33	75	27	6	4	4	-	2-3	4-6	2000	7	2
	Leuchars ...	05·7	-2	—	0	b	34	75	26	7	5	-	-	1	1	3200	4	*
12	Renfrew (Abbots I.)	06·9	+2	W	1	c	35	75	29	8	5	-	-	9+	9+	4500	1	*
	Eskdalemuir ...	06·9	+2	—	0	c	27	55	15	8	5	4	-	4-6	7-8	2800	9	*
	Point of Ayre ...	06·9	0	NNW	1	b	34	65	22	8	4	4	-	Tr	1	2500	0	0
13A	Tiree ...	09·2	0	NE	1	bc	39	92	36	8	8	-	-	4-6	4-6	2500	0	3
13B	Stornoway ...	06·9	0	NE	4	pr	37	97	36	8	8	7	-	7-8	9+	2000	1	2
15	Dalwhinnie ...	06·2	-2	WNW	1	c	33	75	27	8	5	-	-	9+	9+	2500	4	*
	Aberdeen ...	05·5	-2	W'N	2	Z₀	35	75	29	5	5	3	-	7-8	7-8	2500	8	2
	Wick ...	05·6	+2	NNE	2	c/pr	37	85	33	8	9	-	-	7-8	7-8	2500	1	*
16	Sumburgh ...	05·5	+4	NNE	1	b	34	85	30	8	8	-	-	Tr	Tr	3500	3	3
17	Blacksod Point	08·3	-2	WSW	1	bc	34	75	27	8	5	-	-	2-3	2-3	4000	0	1
18	Malin Head ...	06·6	-6	WNW	2	c/pr	37	92	35	8	8	-	-	7-8	7-8	2500	0	3
	Aldergrove ...	07·6	-2	—	0	Z₀	34	85	30	6	4	3	-	4-6	9	3000	4	*
19	Birr Castle ...	07·3	0	N	2	bc	34	75	27	8	-	4	-	0	2-3	—	1	*
20	Valentia Obsy.	07·8	+6	NE	3	b	35	65	24	8	1	-	1	Tr	Tr	4000	1	3
	Roches Point	06·4	0	NNE	4	bc	38	65	27	8	5	3	-	2-3	4-6	4000	0	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 23rd. (39)	13h.—18h. 23rd (40)	18h.—1h. 23rd / 1h.—7h. 24th (41)	1h.—7h. 24th (42)
1	London (Kew)	cis₀z₀	cz₀cz₀y	cycz	cz
	Croydon ...	cmps₀m₀	cz₀cz	czcm	cmis₀
	S. Farnborough	cis₀z₀	cz₀	zc	zjse
	Boscombe Down	cm₀bacpsc	c	c	c
	Thorney Island	cm₀	cm₀	cm	cmjsa
	Lympne ...	cm₀sh	cm₀ish	ishcm	cm
	Manston ...	cz₀m₀sh	cshm₀	cz₀ps	cm₀ps
2	Shoeburyness ...	cm₀	cm₀	cm	cshmc
	Felixstowe ...	cis₀m₀cz₀	ps₀m₀c	ccis₀	cmjsh
	Gorleston ...	csh₀cz₀	c	cps	c
	Mildenhall ...	cis₀m₀c	cbcc	cczcm	cmbcm
	Cranwell ...	cs₀s₀m₀c	cm₀s₀	cm₀	cisbcm
3	Birmingham ...	cis₀	cisjcz	cz	cofs
	Upper Heyford	cis₀m₀	cbcm₀c	cps₀m₀	cmcisx
4	Ross-on-Wye	cmis₀	czc	cz	cisaz
5	Hartland Point	cm₀y	cy	c	c
	Bristol ...	cs₀m₀	cz₀	czm₀	cmb,cm
	Portland Bill ...	c	c	c	c
	Plymouth ...	cm₀	cm₀	cm₀c	cbcc
	The Lizard ...	co	c	c	co
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead ...	s₀sfbc	bap₀sc	c	cbcbx
	Chester (Sealand)	fssps₀bc	cm	cmfcm	cmm₀
8	Manchester ...	s₀s₀m	cz₀z₀	cm	cm₀m
10	Spurn Head ...	c	c	cpsh	c
	Catterick ...	cm₀s₀s₀m₀	cs₀s₀c	cm₀c	cm₀
	Tynemouth ...	os₀s₀m	cm	o	cm
11	St. Abbs Head	c	cbc	bcc	sc
	Leuchars ...	bcz₀	bcm₀bc	bbcm₀	bcm₀cbc
12	Renfrew (Abbots I.)	cshmz₀	cz₀c	cm₀	cm₀cz
	Eskdalemuir ...	ps₀bcy	bbcy	bcybcb	bcxcx
	Point of Ayre ...	cbcby	b	bbcc	cbcb
13A	Tiree ...	cprbc	c	prbcb	bcc
13B	Stornoway ...	c	cpr	cpr	cpr
15	Dalwhinnie ...	oc	c	cps	cps
	Aberdeen ...	cbbcz₀	bz₀cz₀	cis₀bc	cifs
	Wick ...	bccbc	bccpr₀	cprbc	bcbbc
16	Sumburgh ...	bccpr₀s	pr₀sc, bx	cfsps	cpsc
17	Blacksod Point	b	bc	b	b
18	Malin Head ...	c	cprc	pr	b
	Aldergrove ...	bbc	bcbc	s₀s₀cm	c
19	Birr Castle ...	b	bc	•	bc
20	Valentia Obsy.	bc	b	b	b
	Roches Point	b	bc	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 24th February, 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light to moderate N.E. to E. winds; mainly overcast; slight local snow, or snow showers occasionally; cold; temperature near freezing point.
5 S.W. England 6 South Wales	Moderate easterly winds, freshening later; mainly cloudy; cold; temperature a little above freezing.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light rather variable winds, becoming mainly northeasterly; fair but considerable cloud at times; cold with night frost.
10 N.E. England 11 S.E. Scotland	Winds light N. to N.E; cloudy to overcast; local snow showers; cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	As 7-9.
14 Mid Scotland 15 N.E. Scotland	Light to moderate N.E. winds; cloudy, occasional snow showers; cold.
16 Orkneys and Shetlands	As 14-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable wind, freshening from east in the south; mainly fine and frosty, cloud increasing later.

GENERAL INFERENCE

Pressure is high to the far north of the British Isles and a feeble ridge of relatively high pressure extends southward over Britain. Weather will continue cold and mainly cloudy or dull with some further light occasional snow mainly in Eastern Counties and Midlands. Conditions will be mainly fine in West Scotland for a time.

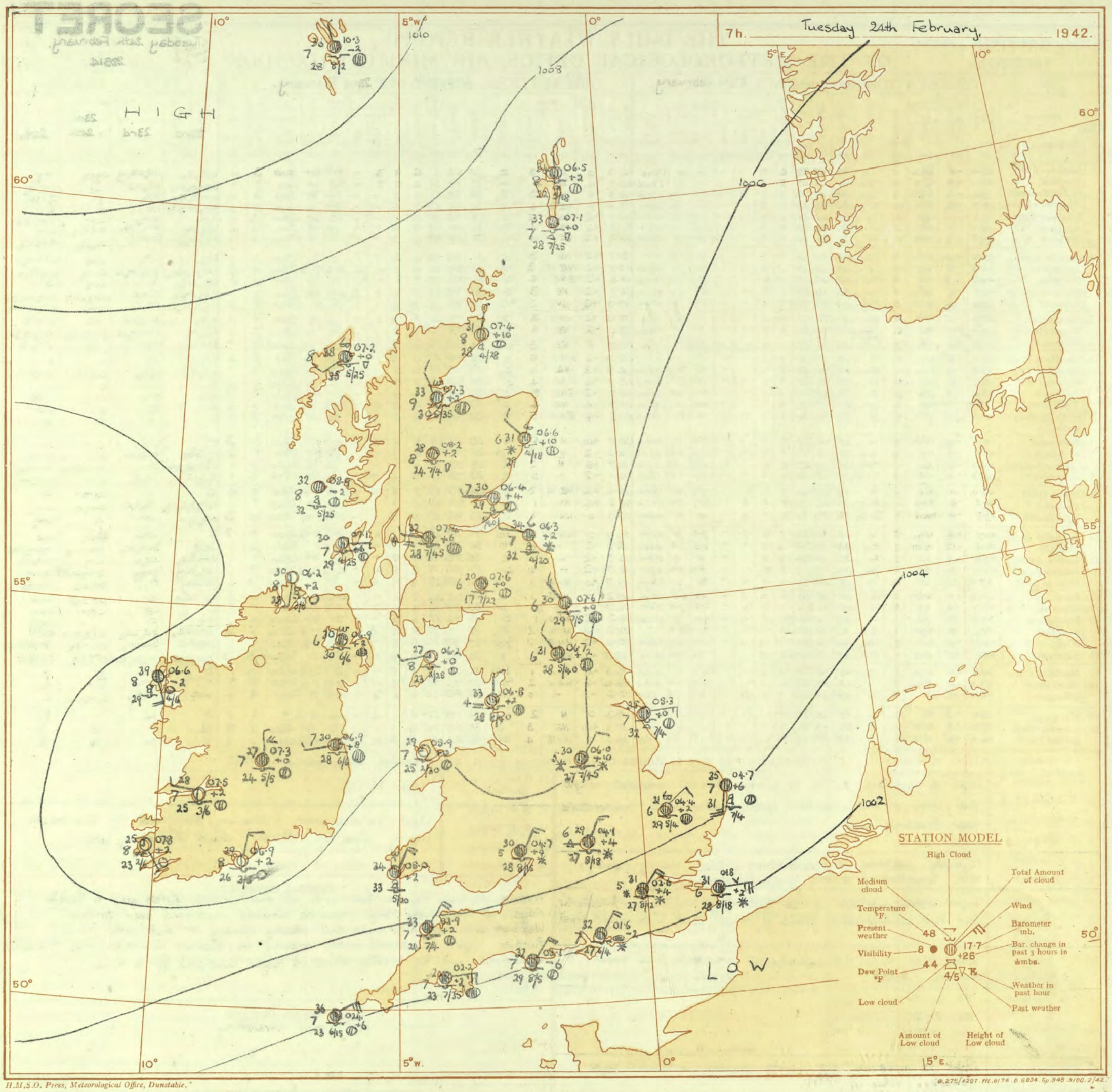
FURTHER OUTLOOK

Wintry conditions persisting.

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

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

7h. Tuesday 24th February, 1942.



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

B.275/4207. Wt.8176. D.6034. 6p.948. 9100. 2/42.

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).

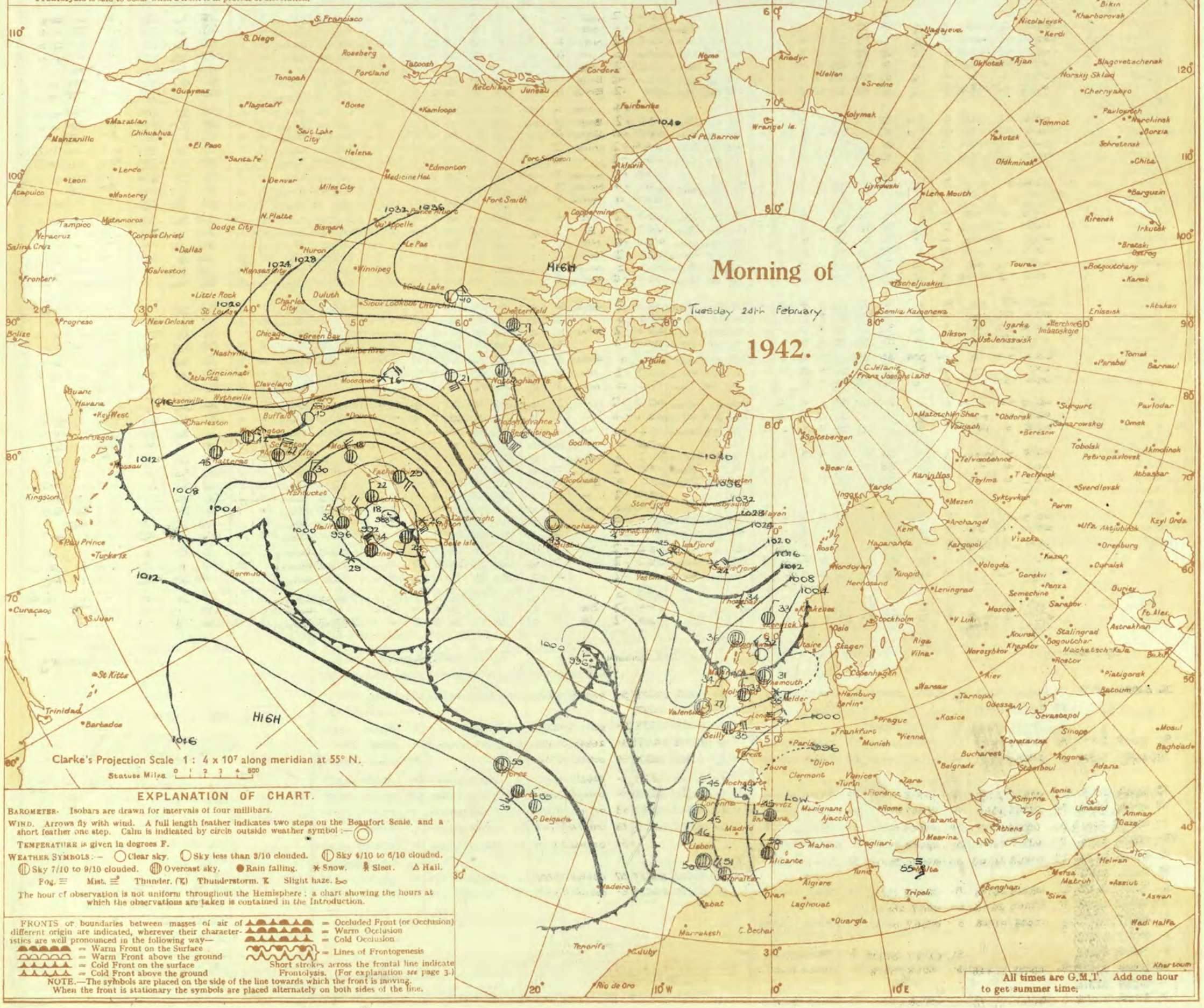
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 24th February, 1942

No. 23314

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	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Croydon ...	217	02·8	-2	NE	3	z	30	85	26	5	5	-	-	2-3	10	2500
	S. Farnborough	226	02·1	-2	NE'N	3	z	30	75	23	6	5	-	-	10	10	2600
	Boscombe Down	417	03·7	-2	ENE	4	c	29	65	20	7	8	-	-	7-8	7-8	2700
	Thorney Island	10	02·4	-2	NE	3	z	31	75	25	5	5	-	-	10	10	3100
	Lympne ...	346	02·7	0	E	4	z	31	85	27	6	5	-	-	10	10	1200
	Manston ...	154	02·2	-2	NE'E	5	z	32	85	27	6	5	-	-	10	10	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	03·6	+2	NE'E	4	°/s	32	75	25	7	5	-	-	10	10	2400
	Gorleston ...	5	04·8	+2	E	5	c/ps	32	92	29	6	8	-	-	10	10	1500
	Mildenhall ...	19	04·6	-2	NE'N	3	z	31	85	26	6	5	-	-	10	10	3600
	Cranwell ...	240	05·9	+2	NNE	2	z	30	97	30	5	5	-	-	10	10	1200
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·4	0	N'E	3	z	29	92	26	6	5	-	-	9+	9+	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03·3	-2	NE	5	c	34	65	23	7	5	-	-	9+	9+	2500
	Bristol ...	20[illegible]	04·5	-2	ENE	2	z	31	85	28	6	5	-	-	9+	9+	3800
	Portland Bill ...	32	01·9	-4	NE	4	c	31	85	28	7	5	-	-	10	10	2500
	Plymouth ...	82	02·5	-2	ENE	5	c	33	75	25	7	5	-	-	9+	9+	4000
	The Lizard ...	240	01·7	-2	NE	6	c	33	75	26	6	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	02·8	+2	ENE	5	c	35	85	29	6	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	05·7	+2	NE	4	c	33	92	30	8	4	3	-	7-8	9+	1500
7	Holyhead ...	26	06·1	0	N	1	c	33	75	27	7	5	-	-	9+	9+	4500
	Chester (Sealand)	16	06·4	-6	N	1	m	32	85	29	4	5	-	-	10	10	5500
8	Manchester ...	235	06·7	-2	N'E	1	m	31	85	26	4	5	-	-	10	10	400
10	Spurn Head ...	29	05·4	-4	E	4	psh	35	85	31	7	8	2	-	7-8	10	1500
	Catterick ...	175	07·1	-2	-	0	c	31	75	25	7	5	-	-	10	10	4500
	Tynemouth ...	108	08·4	0	NNE	5	o	24	92	23	7	5	-	-	10	10	1500
11	St. Abbs Head	280	06·6	+4	WNW	1	c	33	85	29	7	4	4	-	4-6	9	1500
	Leuchars ...	36	06·1	0	W	1	z	30	92	28	6	4	4	-	2-3	2-3	4500
12	Renfrew (Abbots I.)	19	06·8	0	W'N	1	z	32	92	29	6	5	-	-	7-8	7-8	5500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	06·8	0	WNW	2	c	36	86	25	8	6	4	-	7-8	9	6800
13A	Tiree ...	22	09·1	0	-	0	b	38	97	33	8	8	-	-	1	1	2800
13B	Stornoway ...	80	07·2	0	-	0	c	36	97	36	8	5	7	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*		*	*	*	*	*	*	*	*	*
	Wick ...	119	06·5	+2	N	2	bc	33	85	28	8	5	3	c	2-3	4-6	3500
16	Sumburgh ...	30	07·0	+6	SE	2	ps	33	97	33	7	8	-	-	10	10	1000
17	Blacksod Point	18	07·7	+2	SE'E	3	b	37	75	30	8	-	-	-	0	0	*
18	Malin Head ...	84	06·5	-2	SSW	1	bc	31	92	29	8	4	-	2	2-3	4-6	4000
	Aldergrove ...	268	07·5	-2	-	0	m	31	97	31	4	5	-	-	9+	9+	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·3	0	-	0	b	27	85	23	8	-	-	-	0	0	-
	Roches Point	22	07·1	-2	NNE	3	b	31	85	27	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 24th 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 23rd Hrs. (38)
London (Kew)	02·4	-2	NE	4	z	32	75	24	6	5	-	-	10	10	2500	3	*	35	30	28	Tr	-	0·1
Croydon	02·6	+4	NE	4	is	31	85	27	5	5	-	-	10	10	1200	4	*	33	29	28	0·1	Tr	0·1
S. Farnborough	02·5	+2	NE'N	4	°/s	31	75	25	6	5	-	-	10	10	2000	3	*	33	30	28	Tr	7	0·0
Boscombe Down	03·0	0	NE	5	c	29	85	24	7	5	-	-	10	10	3000	0	*	32	28	26	Tr	-	0·4
Thorney Island	01·6	-2	NE	4	c/s	32	85	27	7	5	-	-	9	10	1500	3	*	33	31	26	-	Tr	*
Lympne	02·0	-6	ENE	4	z	30	85	25	6	5	-	-	10	10	1000	4§	4	31	30	29	Tr	Tr	0·0
Manston	01·8	+2	ENE	5	z	31	85	28	6	5	-	-	10	10	1800	8	*	32	30	27	0·1	Tr	0·0
Shoeburyness	03·4	+4	NE	4	sh	33	85	29	6	5	-	-	10	10	1200	3	*	35	29	26	-	Tr	0·7
Felixstowe	03·1	+2	ENE	4	sh	33	75	27	7	5	-	-	10	10	2000	3	4	35	29	26	Tr	Tr	0·4
Gorleston	04·7	+6	ENE	5	c	35	92	31	7	8	-	-	9+	9+	1500	4	4	32	30	30	Tr	0·3	*
Mildenhall	04·4	+2	NE	2	z	31	92	29	6	5	7	-	7-8	10	1500	3	*	35	29	25	0·1	-	1·8
Cranwell	05·6	+2	N	2	z	30	97	30	5	5	3	-	4-6	4-6	4000	8	*	33	29	28	0·1	0·1	0·5
Birmingham	05·5	+2	NNE	3	of	30	92	28	3	5	-	-	10	10	450	4	*	32	29	24	0·1	Tr	0·0
Upper Heyford	04·1	+4	NNE	3	sh	29	92	27	6	5	-	-	10	10	1800	3	*	33	27	23	Tr	Tr	*
Ross-on-Wye	04·7	0	NE'N	3	z	30	85	28	6	5	-	-	10	10	1500	3	*	33	30	26	Tr		0·0
Hartland Point	02·9	+2	NE	4	c	33	65	24	7	5	-	-	9+	9+	1500	3	4	34	32	32	-	-	0·1
Bristol	04·7	+2	E	2	z	30	92	29	5	5	2	-	7-8	10	2500	0	*	33	27	26	Tr	-	0·5
Portland Bill	02·1	-6	NE	4	c	32	85	29	7	5	-	-	10	10	2500	1	4	34	28	*	-	-	*
Plymouth	02·2	+2	ENE	5	c	32	65	23	7	5	-	-	9+	9+	3500	3	3	34	31	29	-	-	0·1
The Lizard	01·6	0	NNE	5	o	32	85	28	6	5	-	-	10	10	1500	0	4	33	30	*	-	-	0·0
Scilly (St. Mary's)	02·4	+6	NE'E	5	c	36	65	23	7	5	-	-	9	10	1500	0	5	36	34	*	-	-	0·1
Guernsey																							
Pembroke	05·0	+2	NE'N	4	c	34	97	33	7	8	6	-	7-8	9+	2000	1	2	36	26	*	-	-	1·8
Holyhead	05·9	0	-	0	b	28	85	25	7	5	-	-	1	1	3000	3	1	37	27	20	1	-	*
Chester (Sealand)	06·4	+2	N'W	1	z	32	85	28	5	5	-	-	9+	9+	4700	1	*	36	31	29	0·1	-	0·4
Manchester	06·4	+2	-	0	m	30	85	25	4	5	-	-	4-6	10	3500	4	*	35	27	26	Tr	-	*
Spurn Head	05·3	0	ENE	3	c	35	92	32	7	7	-	-	9+	9+	1500	4	3	36	33	*	0·5	-	0·9
Catterick	06·7	+2	NW	2	z	31	85	28	6	5	-	-	7-8	10	4000	7	*	33	29	29	Tr	-	0·0
Tynemouth	07·6	0	NW	3	z	30	92	29	6	5	-	-	9+	9+	2500	4	3	36	30	28	0·3	-	*
St. Abbs Head	06·3	+2	WNW	2	c	34	85	32	7	8	4	-	4-6	7-8	2000	7	3	34	30	*	-	0·1	*
Leuchars	06·4	+4	W	1	c	30	92	29	7	8	-	-	7-8	7-8	4000	4	*	39	29	20	Tr	-	6·8
Renfrew (Abbots I.)	07·4	+6	W'N	1	m	32	85	28	4	5	-	-	9+	9+	4500	3	*	40	30	27	Tr	-	1·4
Eskdalemuir	07·6	0	/-	0	c	20	92	17	6	5	-	-	9+	9+	2200	9	*	35	14	7	Tr	-	4·5
Point of Ayre	06·2	0	WSW	1	b	27	85	23	8	4	-	-	1	1	2500	3	0	38	24	*	-	-	7·1
Tiree	08·9	-2	-	0	c	32	97	32	8	8	-	-	7-8	7-8	2800	3	2	44	30	*	0·1	0·2	5·4
Stornoway	07·2	0	SW	2	c	38	85	35	8	5	7	-	7-8	9+	2500	3	2	43	32	*	0·5	1	5·6
Dalwhinnie	08·6	+2	-	0	c	28	85	24	8	6	-	-	9+	9+	1500	4	*	36	26	24	-	0·2	0·3
Aberdeen	06·6	+10	NW'W	2	is	31	92	29	6	5	7	-	4-6	7-8	1800	4	1	41	28	24	-	Tr	6·5
Wick	07·4	+10	N	1	bc	31	85	28	8	2	-	-	4-6	4-6	2800	5	*	42	29	27	0·4	0·6	*
Sumburgh	07·1	0	-	0	c	33	85	28	7	7	-	-	9+	9+	2500	8	3	40	31	25	0·1	5	4·7
Blacksod Point	06·6	-2	SSE	4	bc	39	65	28	8	8	-	-	4-6	4-6	4000	0	2	42	33	*	-	-	*
Malin Head	06·2	+2	S'W	1	bc	30	92	28	8	3	-	-	2-3	2-3	4000		3	39	30	28	0·5	4	0·0
Aldergrove	06·0	-2	-	0	z	30	97	30	6	5	3	-	9	9+	4000	8	*	40	29	26	-	1	4·5
Birr Castle	07·3	0	N	1	c	27	85	24	7	5	2	-	7-8	10	2500	3	*	39	21	18	-	-	6·0
Valentia Obsy.	07·8	+2	SE	1	b	25	92	23	8	5	-	-	1	1	4000	3	1	39	22	17	0·1	Tr	
Roches Point	06·9	-2	N'E	3	bc	29	85	25	8	5	-	-	2-3	2-3	2500	3	4	41	29	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 23rd February $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 24th February $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	36	02354	04315	9-	10855	06316	5-	02855	32225	6-	01855	08315
115				87	85834	32287						
203				5-	02935	16365	80	01943	08313			
206	8-	01965	22175	5-	01865	26115	5-	02866	00026	53	02965	28225
210	57	01964	22384	8-	25856	22186	86	01944	21224	80	01953	20183
220												
230	53	02766	00071	5-	02857	00087	5-	02868	00028	5-	02866	08116
245	03	00890	23112	54	02945	23116	5-	05667	24117	8-	02767	28117
260	5-	05663	22203	50	05564	12114	50	05564	12114	5-	08457	12227
278	5-	02866	30316	5-	028 7	00017	5-	23658	14178	5-	05666	00076
279	50	05664	22234	57	00863	22203	00	05690	30110	53	05664	04115
285	53	71624	32377									
288	6-	72447	30278	5-	08448	28178	5-	08468	18228	52	78567	20128
575	43	02842	26216	5-	02865	26115	5-	02777	281 27			
301	5-	05657	04377	5-	05558	04228	5-	05567	04127	5-	08468	32228
321	8-	02767	01277									
299	5-	78643	32278				5-	02747	32327	8-	05644	32214
292	83	02865	32477	5-	05658	30428	5-	05568	29228	5-	05666	26126
310	--	01636	32316									
614	5-	72558	04278	5-	02767	02277	5-	05668	02278	5-	71567	04277
333	8-	01855	02275	5-	02868	04218	52	02755	06128	5-	02865	02225
334	--	78546	06317							--	03437	04128
340	5-	71458	02378	5-	05668	03378	5-	77367	01247	5-	08468	02278
136	8-	83748	04488	5-	26648	06388	5-	02777	06287	5-	02767	05377
336	57	02754	04328	57	05546	04328				57	05654	08328
350	86	23658	02828	8-	83638	02488	5-	05644	02326	5-	23657	01377
368	8-	02678	04388	5-	05644	04428	5-	0658	04328	57	05655	04327
379	8-	83547	02387	53	02745	04387	50	23653	04473	5-	05548	04478
390	5-	05556	04378	43	05654	04327	5-	23758	02478	5-	78745	06478
382				5-	02766	35486	7-	05667	01327	5-	05668	02328
438										02	03664	06628
430	53	05664	35527	57	05664	04328	5-	05658	02428	5-	05658	04428
409	5-	05658	04428	5-	05668	03428	5-	05668	03428	54	02766	04528

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

§ Sea disturbance reported from Dungeness.

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

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 ...	cis z	ez cz y	cy cz
Croydon ...	cmpsm	cz cz	czcm
Greenwich ...	cis	cis	cis
Camden Square	o	c	*
Kensington ...	cz	cz	*
Hampstead ...	bcxs	ox	oxs

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·2 Time 7·8h 23rd; Min. <0·1 Time 3·4 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 ...	35	30	28	Tr	-	0·1	*	*
Croydon ...	33	29	28	0·1	Tr	0·0	*	*
Greenwich ...	32	29	26	Tr	Tr	0·0		
Westminster ...	35	31	29	-			97	
Regents Park ...	33	30	28	-	-		84	95
Camden Square	33	30	25	Tr	-	*	*	87
Kensington ...	33	30	26	-	Tr		67	84
Hampstead ...	31	28	25	Tr	Tr		*	69

Page 1 BRITISH SECTION

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

SECRET

Wednesday 25th February 1942

No. 29315

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 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)	03·3	0	NE'N	4	Zo	36	55	24	6	5	-	-	10	10	1800
	Croydon	03·6	+2	NE	4	Zo	35	75	29	6	4	-	-	4-6	10	1600
	S. Farnborough	03·0	-2	ENE	4	Zo	33	65	26	6	5	3	-	7-8	10	2000
	Boscombe Down	03·8	0	NE'N	5	c	35	55	21	7	7	-	-	10	10	2000
	Thorney Island	02·5	0	ENE	4	c	37	65	26	8	5	7	-	9	9+	4000
	Lympne	03·1	-4	ENE	5	c	35	75	28	8	8	-	-	9	9+	1800
	Manston	02·8	0	NE'E	5	c	34	75	28	8	5	-	-	9+	9+	2000
2	Shoeburyness	04·1	0	NE	6	c	37	65	28	8	5	-	-	9+	9+	2600
	Felixstowe	03·5	+2	NE	4	c	36	65	24	8	5	-	-	10	10	3000
	Gorleston	06·0	+4	ENE	4	c	34	95	31	7	5	-	-	10	10	1400
	Mildenhall	05·4	0	NE'E	4	c	36	65	26	8	5	7	2	7-8	9	2500
	Cranwell	06·8	+4	NNE	3	Zo	36	75	29	6	5	-	-	10	10	3000
3	Birmingham	06·2	0	NE	3	Zo	36	55	23	5	8	-	-	7-8	7-8	2500
	Upper Heyford	04·6	+4	NE	4	Zo	36	65	23	6	5	3	-	9	9	2000
4	Ross-on-Wye	03·5	0	NE	3	Zo	36	65	24	6	5	-	-	10	10	3000
5	Hartland Point	04·5	+6	NE	4	c	34	85	28	7	5	-	-	9+	9+	1500
	Bristol	05·4	-2	NNE	4	Zo	35	85	31	6	5	2	-	9	10	4000
	Portland Bill	02·1	-4	NE	5	o	33	85	27	7	5	-	-	10	10	2500
	Plymouth	03·5	+6	NE	5	Zo	35	85	31	6	5	-	-	10	10	3000
	The Lizard	04·0	+6	NE	5	c	34	85	30	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	04·0	+8	NE'E	6	c	37	65	22	8	5	-	-	10	10	1500
	Guernsey															
6	Pembroke	06·3	-2	E'N	4	c	39	65	26	7	2	6	-	4-6	7-8	2000
7	Holyhead	06·8	+2	E	1	bc	40	45	23	8	7	3	-	4-6	7-8	2500
	Chester (Sealand)	06·9	-4	N	2	Zo	38	45	20	5	5	·	-	7-8	7-8	5000
8	Manchester	07·2	0	NE	3	Zo	37	65	28	5	2	3	-	1	7-8	2500
10	Spurn Head	06·7	0	NE	3	o	38	75	31	5	5	-	-	10	10	2500
	Catterick	08·0	0	N	1	Zo	37	65	27	6	5	-	-	9+	9+	3500
	Tynemouth	07·9	0	NW	2	Zo	37	75	30	5	5	3	-	4-6	4-6	2500
11	St. Abbs Head	07·7	+6	NNW	2	c/ps	35	97	35	7	6	4	-	7-8	7-8	2000
	Leuchars	08·0	0	-	0	c	40	75	32	7	5	-	-	10	10	3500
12	Renfrew (Abbots I.)	08·4	+2	W'N	1	m/f	36	75	31	4	5	-	-	3+	9+	4000
	Eskdalemuir	07·8	+2	NNE	2	bc	35	75	27	7	5	-	-	4-6	4-6	1800
	Point of Ayre	07·6	+4	SE'S	2	c	40	65	27	8	1	3	-	Tr	9	4500
13A	Tiree	09·7	+2	SSE	1	bc	42	65	33	9	5	3	-	2-3	4-6	3500
13B	Stornoway	08·0	+2	S	3	bc	43	75	34	8	8	7	5	4-6	4-6	2500
15	Dalwhinnie	05·6	+2	N	1	c	36	75	27	8	8	-	-	7-8	7-8	2500
	Aberdeen	08·1	+2	NW	2	bc	38	75	30	8	3	-	-	1	1	2500
	Wick	08·3	+2	NE	1	bc	40	75	32	9	8	6	-	4-6	7-8	2800
16	Sumburgh	08·2	-2	NNE	1	c/ps	36	75	30	8	8	-	-	9+	9+	1800
17	Blacksod Point	06·8	+2	S'W	4	bc	45	65	34	8	8	3	-	4-6	7-8	2500
18	Malin Head	07·1	+2	SSE	3	c	39	75	32	8	5	4	-	4-6	7-8	5700
	Aldergrove	08·0	+4	-	0	Zo	37	95	34	5	8	3	-	4-6	7-8	2000
19	Birr Castle	07·5	-6	S	2	c	41	55		8	5	-	-	7-8	7-8	4000
20	Valentia Obsy.	08·0	-2	SW	3	b	43	45	23	9	5	4	-	1	1	4000
	Roches Point	08·1	+2	N'E	3	bc	40	65	28	8	7	-	-	4-6	4-6	4000

OBSERVATIONS at 18h. 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)	05·2	+12	NE'N	4	Zo	34	65	24	5	5	3	-	7-8	9+	1500	3	*
Croydon	04·7	+14	NE	5	m	33	85	29	4	5	-	-	4-6	4-6	1800	3	*
S. Farnborough	05·0	+10	NE'N	3	Zo	34	65	23	6	5	-	-	10	10	2700	3	*
Boscombe Down	05·4	+12	ENE	3	c	33	65	24	8	7	7	-	9	9+	2500	0	*
Thorney Island	03·8	+10	NE	4	c	35	75	27	6	5	1	-	7-8	10	4000	0	*
Lympne	03·9	+10	NE	5	c	33	65	24	8	-	7	7	0	10	-	1	§ 5
Manston	03·5	+6	NE'E	6	c	34	65	24	7	1	7	-	Tr	9+	2000	4	*
Shoeburyness	05·0	+8	NE'N	4	c	33	85	28	8	1	4	7	Tr	9+	3500	1	*
Felixstowe	05·3	+10	NE'E	4	c	34	75	26	8	5	7	6	1	9+	2500	0	4
Gorleston	06·6	+6	E'N	4	bc	34	85	30	7	7	4	-	4-6	4-6	2500	4	4
Mildenhall	06·3	+10	ENE	4	c	34	75	27	8	5	-	-	9+	9+	2500	0	*
Cranwell	07·6	+6	N'E	2	c	34	75	28	7	5	-	-	9	9	3500	4	*
Birmingham	07·6	+8	NNE	3	Z	35	55		5	5	-	-	9+	9+	2500	3	*
Upper Heyford	05·8	+10	NE	3	c	33	75	26	7	8	3	-	4-6	9+	1500	3	*
Ross-on-Wye	06·2	+8	NNE	3	Zo	35	55	22	6	5	-	-	10	10	3000	3	*
Hartland Point	05·5	+6	NE	4	c	36	65	23	6	5	-	-	9+	9+	2000	3	4
Bristol	06·3	+10	NE	3	Zo	35	55	26	6	5	3	-	4-6	9+	2500	0	*
Portland Bill	03·3	+6	ENE	5	o	35	85	32	7	5	-	-	10	10	2500	1	5
Plymouth	04·6	+10	NE'E	5	c	37	65	23	7	7	7	1	4-6	9	3000	0	3
The Lizard	04·8	+8	NNE	3	c	35	75	28	7	8	2	-	7-8	9+	1200	0	4
Scilly (St. Mary's)	05·2	+12	NE	5	o	38	55	24	7	5	-	-	10	10	1500	0	5
Guernsey																	
Pembroke	07·2	+6	NNE	4	c	36	65	23	7	5	-	-	9+	9+	2500	0	2
Holyhead	07·8	+8	NE	2	c	35	75	26	7	5	-	-	9+	9+	3500	1	3
Chester (Sealand)	08·1	+10	-	0	m	35	85	30	4	5	-	-	10	10	3500	1	*
Manchester	08·2	+10	-	0	Zo	33	85	30	5	4	3	-	7-8	7-8	4500	4	*
Spurn Head	07·2	+4	N'W	3	c	35	75	28	7	7	4	-	4-6	9+	4000	0	
Catterick	08·9	+10	NW	1	m	34	75	29	4	5	3	-	9	9+	2800	7	*
Tynemouth	08·6	+6	N	2	c	37	85	34	6	2	-	-	7-8	7-8	3000	4	3
St. Abbs Head	08·7	+6	NW	2	c	35	92	32	9	8	4	2	4-6	7-8	2000	4	4
Leuchars	09·0	+10	-	0	bc	37	75	30	7	5	3	-	2-3	2-3	3500	4	*
Renfrew (Abbots I.)	09·4	+8	-	0	of+	36	75	29	2	5	-	-	9+	9+	4000	1	*
Eskdalemuir	09·4	+8	N	1	bc	30	85	25	6	5	-	-	4-6	4-6	1800	9	*
Point of Ayre	08·8	+4	-	0	c	37	65	26	8	-	7	-	0	9+	-	0	0
Tiree	09·9	+2	-	0	bc	34	85	32	8	5	-	-	2-3	2-3	3500	0	3
Stornoway	08·6	+2	SSW	2	c	40	75	32	9	5	4	7	1	10	3500	1	2
Dalwhinnie	10·6	+6	S	2	c	29	75	22	8	7	-	-	9	9	2500	4	*
Aberdeen	09·7	+12	NNW	1	Zo	35	85	32	6	8	-	-	1	1	2800	4	2
Wick	09·0	+2	SE	1	bc	36	75	30	9	2	3	-	1	2-3	3500	1	*
Sumburgh	08·3	-2	-	0	ps	35	92	33	7	8	-	-	10	10	1500	6	3
Blacksod Point	07·7	+6	S	3	c	42	75	35	8	8	-	3	4-6	7-8	2500	0	3
Malin Head	08·0	+10	NE	1	bc	40	75	33	8	4	-	-	2-3	2-3	5700	0	3
Aldergrove	09·1	+10	-	0	c	36	75	30	8	5	3	-	4-6	7-8	6000	1	*
Birr Castle	07·6	+2	N	2	c	37	75	30	8	5	-	-	9	9	2500	1	*
Valentia Obsy.	08·4	+6	S'W	2	c	40	65	29	9	5	3	-	4-6	7-8	4000	1	2
Roches Point	08·5	+6	S'E	2	c	40	75	33	8	8	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 24th (39)	13h.—18h. 24th (40)	18h. 24th to 1h. 25th (41)	1h.—7h. 25th (42)
London (Kew)	sorosocy	czo	bcyczo	cz
Croydon	cshiso	czo	bcmcmo	cmoiso
S. Farnborough	csohzo	zoyc	czobcc	zoc
Boscombe Down	c	c	c	bcc
Thorney Island	cisoc	cbc	obccmo	cmoc
Lympne	cmoshc	c	c∇oc	csmoss
Manston	cshmo-c	cbcc	c	cmosh
Shoeburyness	cmoisonc	cb	cr	cssomo
Felixstowe	isonoc	c	c	csohops
Gorleston	c	cbc	c	c
Mildenhall	cshc	c	bcc	c
Cranwell	cmo	c	cpsocmo	cpsbcm
Birmingham		cz	cz	czf
Upper Heyford	cmo ccmo	c	ceshmo	ciso
Ross-on-Wye	czc	c	czm	cz
Hartland Point	c	c	c	c
Bristol	cisozo	cmo	czcmzm	cmm
Portland Bill	o	co	c	c
Plymouth	ccmo	cmo	cmo, bm	b,cm
The Lizard	c	c	bcc	bcc
Scilly (St. Mary's)	c	c	c	cy
Guernsey				
Pembroke	bcc	c	cbcm	bbcm
Holyhead	bbcyzo	bcybcc	cbcmo	bfmmx
Chester (Sealand)	cmcmo	cmocm	cmbffx	b,cffxm
Manchester	cfmz	czo	bf	bfbcm
Spurn Head	o	c	c	c
Catterick	cmo	czom	opscm	cmfcps
Tynemouth	cmbc	bcc	cmps	cm
St. Abbs Head	bccpops*	cpro	cprsbc	bc
Leuchars	bccmoc	cbc	bcbmo	bmx
Renfrew (Abbots I.)	czfz	cz,uf	bcef	cbfof
Eskdalemuir	csobc	bccbc	bcc	cbcx
Point of Ayre	bbcc	c	cbcb	b
Tiree	bc	bc	c	bc
Stornoway	cprhbc	bcc	cb,c	cb
Dalwhinnie	c	c	*	cbc
Aberdeen	cisb	bz	bz	bzbmo
Wick	bcjpbc	bcb	bbcb	b
Sumburgh	c-b-cpso	ccpso	s,s,c,b	b
Blacksod Point	bc	bc	b	b
Malin Head	bc	b	bc	bc
Aldergrove	ofcmo	c	bccx	bcbx
Birr Castle	bc	bc	*	bc
Valentia Obsy.	bc	bc	prh	pr
Roches Point	cprbc	bc	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 25th February

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate to light northeast to east winds, falling light, variable later. Cloudy with the chance of a few scattered snow showers at first; fine to-night. Temperature above freezing by day; 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; 13A W. Scotland	Light variable winds; mainly fine. Cold; night frost in most areas.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Winds slowly freshening from west to southwest. Fine at first, becoming cloudy with some occasional slight snow later to-night and to-morrow: cold.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 4 - 13A.

GENERAL INFERENCE

Pressure is rather uniform and relatively high over the British Isles, but a trough of lower pressure is moving down from the Icelandic area. Weather will be mainly fine although persisting rather cold. During to-night weather will probably deteriorate in North Scotland and some slight snow is not unlikely.

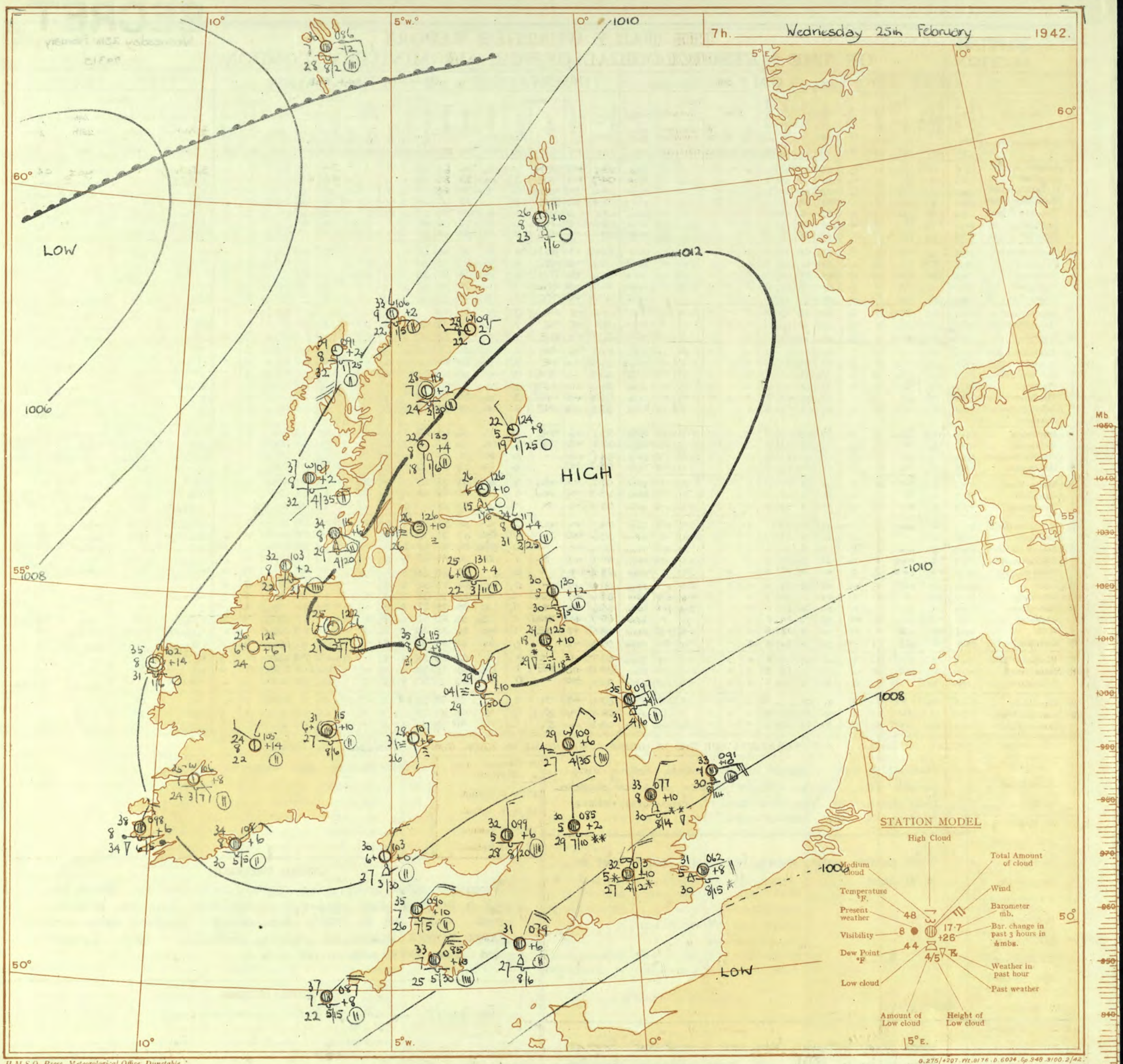
FURTHER OUTLOOK

Fair except in extreme North. Continuing cold.

Forecasts issued at 1030 G.M.T.

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

7h. Wednesday 25th February 1942.



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

G.275/4207. Wt.8178. D.6034. Gp.948. 9100. 2/42.

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).

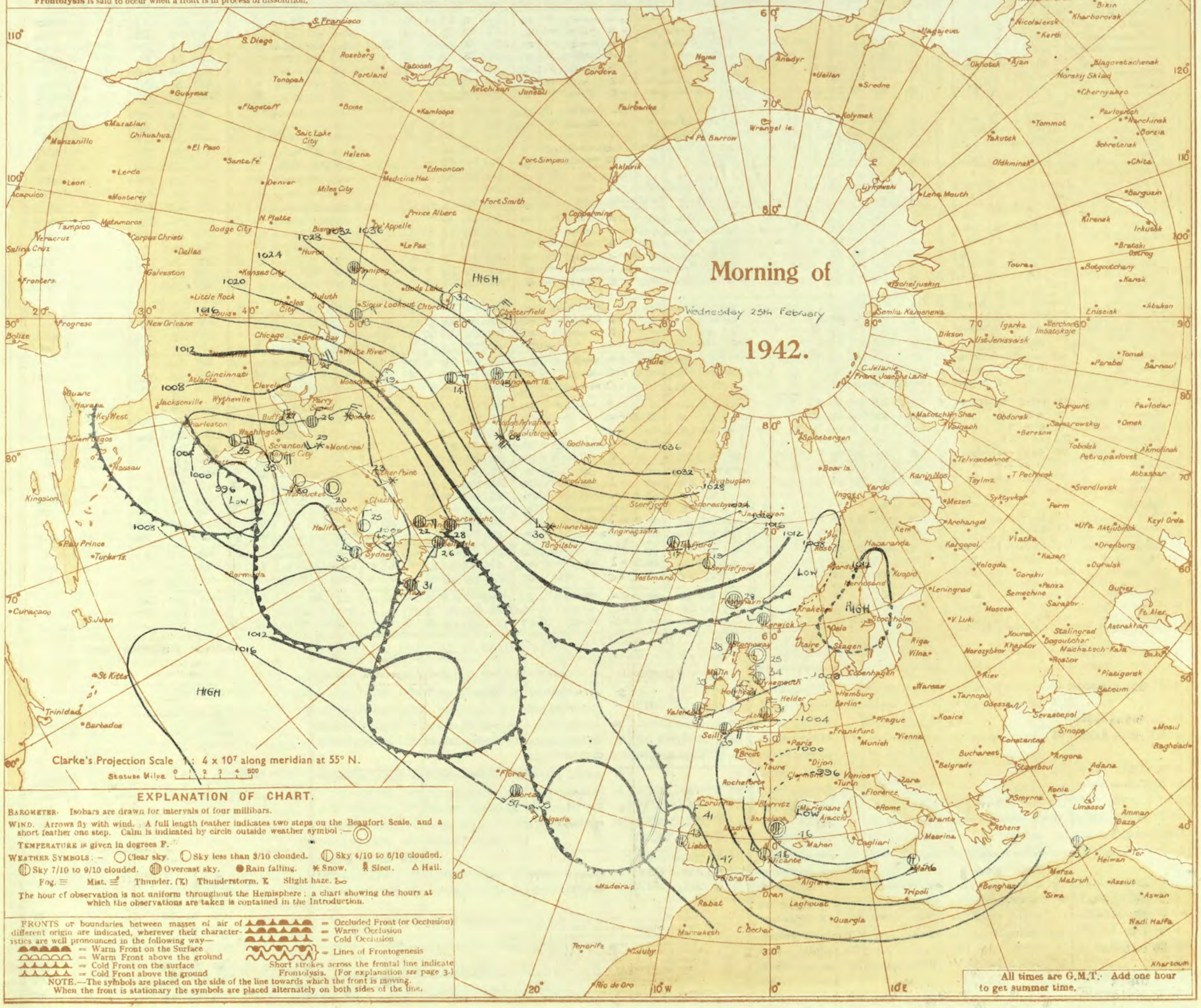
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 25th February 1942

No. 22315

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon	217	06.1	+6	NE'N	4	c	31	85	27	6	5	7	-	9+	10	4100
	S. Farnborough	226	06.7	+4	NNE	3	z	31	75	25	7	5	3	-	7-8	9+	3000
	Boscombe Down	417	07.3	+6	NE'N	3	c	30	85	26	7	-	3	-	0	9	-
	Thorney Island	10	05.8	+6	NE'N	3	z	31	85	25	6	5	3	8	9	9+	4000
	Lympne	346	05.3	+2	NE	5	c	32	85	28	7	5	2	-	7-8	10	3200
	Manston	154	05.2	+4	NE'E	5	z	33	75	28	6	5	7	-	9	10	1600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	06.6	+2	NE	4	c	34	75	27	8	5	-	-	9+	9+	3200
	Gorleston	5	08.1	+6	ENE	4	c	34	85	34	7	5	-	-	10	10	1500
	Mildenhall	19	08.2	+8	NNE	3	c	32	85	29	7	5	-	-	10	10	4000
	Cranwell	240	09.1	+6	NNE	2	z	30	92	28	6	-	7	-	0	7-8	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08.0	+10	NE'N	4	z	31	85	28	6	5	-	-	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07.7	+8	NE	4	c	35	75	23	7	5	-	-	9+	9+	2500
	Bristol	209	08.3	+6	NE	1	z	32	85	29	6	5	-	-	9+	9+	3500
	Portland Bill	32	06.9	+14	NE	4	c	32	85	29	8	2	4	-	4-6	9	4000
	Plymouth	82	07.1	+6	NE	4	b	33	75	27	7	5	-	-	1	1	4000
	The Lizard	240	07.2	+6	NNE	4	o	34	75	27	7	8	2	-	7-8	9+	2000
	Scilly (St. Mary's)	163	07.4	+10	E'N	4	c	39	65	26	7	5	2	-	7-8	10	1500
	Guernsey	175															
6	Pembroke	142	09.3	+6	ENE	3	z	32	85	30	6	1	-	-	1	1	4000
7	Holyhead	26	09.4	+6	NNE	1	z	31	92	29	5	-	-	-	0	0	-
	Chester (Sealand)	16	13.3	+4	WNW	1	bf	27	92	25	2	-	-	-	0	0	-
8	Manchester	235	10.5	+10	-	0	bf	23	97	23	3	-	-	-	0	0	-
10	Spurn Head	29	09.1	+14	ENE	3	c	35	85	33	7	7	-	-	9	9	4000
	Catterick	175	11.1	+10	NW	2	cf+	32	92	26	3	5	-	-	9+	9+	4000
	Tynemouth	108	11.1	+8	NNW	3	c/ps	34	92	33	6	8	-	-	9	9	2500
11	St. Abbs Head	280	10.8	+8	ESE	1	bc	35	85	31	8	4	4	-	2-3	2-3	2500
	Leuchars	36	11.6	+6	-	0	z	29	97	28	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	11.4	+6	-	0	f+	33	85	30	2	5	-	-	7-8	7-8	<500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10.5	+6	NE'E	2	b	35	75	29	7	-	4	-	0	1	-
13A	Tiree	22	10.0	+4	S	2	c	38	92	35	8	5	-	-	9+	9+	2800
13B	Stornoway	80	10.0	+4	S	2	c	38	85	34	8	6	6	-	4-6	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Wick	119	10.4	+6	-	0	b	31	85	29	9	-	-	1	0	1	-
16	Sumburgh	30	09.3	+8	NW	3	b	32	92	31	8	8	-	1	Tr	1	2500
17	Blacksod Point	18	09.0	+4	SSE	2	b	39	85	35	8	-	-	-	0	0	-
18	Malin Head	84	09.7	+6	S	3	bc	33	85	29	8	-	-	1	0	2-3	-
	Aldergrove	268	11.4	+8	E'N	1	o	29	92	27	7	5	3	-	1	7-8	5700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09.2	+2	ENE	2	c/pn	37	75	30	8	9	-	-	9+	9+	2500
	Roches Point	22	10.2	+6	NE'N	2	c	35	85	31	8	5	-	-	9	9	2500

OBSERVATIONS at 7 hr. G.M.T. 25th 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)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 24 Hrs. (38)
London (Kew)	07.6	+10	NNE	4	z	34	75	27	6	5	-	-	9+	9+	2500	3	*	36	31	27	Tr	-	0.0
Croydon	07.3	+10	NE'N	4	is	32	85	27	5	5	7	-	4-6	10	1200	3	*	35	30	28	Tr	Tr	0.0
S. Farnborough	07.7	+10	NNE	4	o	33	75	26	7	5	2	-	9	10	3000	3	*	35	30	26	Tr	-	0.0
Boscombe Down	08.4	+8	NE'N	3	c	31	75	25	8	8	-	-	10	10	2000	0	*	36	28	24	Tr	-	0.0
Thorney Island	06.7	+8	NNE	3	c	33	85	25	7	5	-	-	7-8	10	4000	3	*	46	30	24	-	-	*
Lympne	06.2	+6	NE	4	s,s	31	92	30	5	5	-	-	10	10	1200	4	§5	35	31	30	Tr	0.3	1.4
Manston	06.2	+8	ENE	4	sh	31	92	30	5	5	-	-	10	10	1500	8	*	36	31	28	Tr	0.1	0.5
Shoeburyness	07.4	+6	NE'N	3	s,s	32	97	32	6	-	2	-	10	10	1500	8	*	37	31	29	Tr	1	0.1
Felixstowe	07.7	+10	ENE	4	c/ps	33	85	30	8	8	-	-	10	10	1400	4	4	36	32	31	Tr	Tr	0.3
Gorleston	09.1	+10	EN	5	c	33	85	30	7	8	-	-	10	10	1400	4	4	35	34	32	-	-	*
Mildenhall	08.8	+10	NNE	3	c	33	75	26	8	5	-	-	10	10	4000	0	*	37	28	20	Tr	-	0.3
Cranwell	10.3	+6	NNE	2	z	30	92	28	6	5	3	-	9+	9+	1800	4	*	37	29	26	-	0.1	0.0
Birmingham	10.1	+8	N	2	cf	30	85	26	3	5	7	-	4-6	7-8	2500	3	*	37	29	24	-	-	0.5
Upper Heyford	08.5	+2	N	2	c/s	30	97	29	5	5	-	-	9+	9+	1000	3	*	37	30	30	0.2	Tr	*
Ross-on-Wye	09.9	+6	N	3	z	32	85	28	5	5	-	-	10	10	2000	3	*	37	29	23	-	-	0.1
Hartland Point	09.0	+10	NE	4	c	35	65	22	7	5	-	-	9+	9+	2500	0	3	36	34	32	-	-	0.0
Bristol	09.9	+10	E'N	2	m	32	85	27	4	5	2	-	9	10	2000	0	*	37	30	28	-	-	0.0
Portland Bill	07.9	+6	NE	4	c	31	85	27	7	4	-	-	10	10	4000	1	4	36	29	*	-	-	*
Plymouth	08.5	+10	NE	5	z	33	65	25	7	5	-	-	7-8	7-8	3000	3	3	38	30	22	-	-	0.0
The Lizard	08.5	+6	NNE	4	c	32	75	26	7	8	6	-	7-8	7-8	2000	0	3	36	29	*	-	-	0.0
Scilly (St. Mary's)	08.7	+8	NE'E	4	c	37	55	22	7	5	-	-	7-8	7-8	1500	0	4	38	37	*	-	-	0.0
Guernsey																							
Pembroke	10.3	0	NE'N	3	z	30	75	27	6	2	-	-	2-3	2-3	3000	0	2	40	26	*	-	-	2.9
Holyhead	10.7	+6	SSE	1	bcf	28	92	26	3	5	3	-	1	2-3	4000	3	1	40	26	19	-	-	*
Chester (Sealand)	11.7	+6	WNW	1	cf	28	92	26	2	5	-	-	9+	9+	2500	3	*	38	26	22	-	-	0.0
Manchester	11.7	+10	-	0	cf	26	97	26	2	5	-	-	7-8	7-8	3500	3	*	37	21	15	-	-	*
Spurn Head	09.7	+4	ENE	5	c	35	85	31	7	7	4	-	4-6	7-8	4000	0	3	39	33	*	Tr	-	1.0
Catterick	12.5	+10	NNE	1	prs	29	97	29	4	9	-	2	4-6	9	1800	7	*	37	29	26	-	0.4	0.7
Tynemouth	13.0	+12	NNW	2	z	30	97	30	5	8	-	-	7-8	7-8	2500	8	3	39	28	27	-	0.2	*
St. Abbs Head	11.7	+4	WNW	1	bc	34	92	31	8	2	4	-	1	2-3	2500	4	2	37	33	*	Tr	0.3	*
Leuchars	12.6	+10	-	0	z	26	97	25	6	8	-	-	Tr	Tr	4000	4	*	41	25	19	-	-	2.0
Renfrew (Abbots I.)	12.6	+10	-	0	F+	26	97	26	1	-	-	-	10	10	<150	3	*	38	26	20	Tr	-	0.0
Eskdalemuir	13.1	+4	-	0	bc	26	92	22	6	5	-	-	2-3	2-3	1100	9	*	39	24	17	0.3	-	2.4
Point of Ayre	11.5	+8	E'N	2	b	35	85	31	8	-	4	-	0	1	-	3	2	42	29	*	-	-	3.8
Tiree	10.7	+2	S	2	c	37	75	32	8	5	3	-	4-6	7-8	3500	0	3	43	34	*	-	-	3.6
Stornoway	09.1	+2	S	5	b	39	75	32	8	5	4	-	Tr	1	2500	1	3	43	33	*	0.6	-	5.1
Dalwhinnie	13.9	+4	S	1	b	22	85	18	8	1	-	-	Tr	Tr	4000	4	*	40	16	10	-	-	3.8
Aberdeen	12.4	+8	NW	1	z	22	97	19	5	5	-	-	Tr	Tr	2500	4	3	39	21	18	0.1	-	7.9
Wick	10.9	+2	W	1	δ	29	86	22	8	-	3	-	0	1	-	4	*	43	28	24	-	-	*
Sumburgh	11.1	+10	-	0	b	26	85	23	8	8	-	-	Tr	Tr	4000	8	2	38	24	16	0.1	1	3.8
Blacksod Point	10.2	+14	-	0	b	35	85	31	8	6	-	-	Tr	Tr	4000	0	2	45	34	*	-	-	*
Malin Head	10.3	+2	S	1	bc	32	65	21	8	4	8	-	2-3	4-6	5700	3	3	42	29		-	-	0.0
Aldergrove	12.2	+6	-	0	z	25	85	21	6	5	-	-	1	1	5700	3	*	41	23	18	-	-	1.3
Birr Castle	10.5	+14	NW	1	bc	24	92	22	8	-	4	-	0	2-3	-	3	*	43	24	20	-	-	2.1
Valentia Obsy.	09.8	+6	NE	1	pr	38	85	34	8	5	-	-	9	9	2500	1	1	45	35	29	0.2	0.5	
Roches Point	10.8	+6	ENE	1	c	34	85	30	8	5	-	-	7-8	7-8	2500	0	3	43	33	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 24th February 18h. G.M.T. — 01h. G.M.T. 25th February 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhN$_h$	DDFWN	$C_L C_M$ (18h)	wwVhN$_h$	DDFWN	$C_L C_M$ (01h)	wwVhN$_h$	DDFWN	$C_L C_M$ (07h)	wwVhN$_h$	DDFWN
109	77	02564	00024	53	00962	20723	5-	01564	32114	8-	00863	18213
115				54	02944	22225	54	01943	22224	54	01351	16214
203	74	01943	16324				06	06990	12323			
206	80	01964	00014	43	01861	00014	5-	01763	22113	5-	01763	00013
210				44	00953	21103	00	00990	00001	00	00990	20200
220	80	01355	14385	50	01954	14214				57	02853	17416
230	53	02966	32127	5-	02967	16127	03	02790	00027	03	01890	00015
245				83	00851	31102	50	00861	24101	80	00861	24101
260	8-	05565	30125	53	08464	08125	8-	08467	08147	5-	47348	08128
278	83	00852	10212	5-	02757	10217	5-	05566	00026	50	05561	00001
279	8-	05556	04127	3-	05664	00025	00	05660	04100	50	04661	00001
285				13	01853	32315				23	05633	28284
288	5-	08467	06736	50	47363	00043	5-	45247	00087	--	4-103	00073
575	7-	02367	00027	5-	02867	00027	00	05690	00010	00	05690	08100
301	5-	05676	04326	5-	05667	08617	50	05581	06141	50	47271	02201
321	5-	05668	04178	50	00763	04173	5-	05565	01115	55	05461	31213
299	50	02755	04115	50	01734	32114	8-	05663	03203	50	01734	04214
292				44	00762	32113	5-	47275	28245	5-	08465	27245
310	--	02628	04318							--	01634	04314
614	73	02665	06227				4-	05606	04826	07	08490	02323

13h. G.M.T. 24th February 18h. G.M.T. — 01h. G.M.T. 25th February 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhN$_h$	DDFWN	$C_L C_M$ (18h)	wwVhN$_h$	DDFWN	$C_L C_M$ (01h)	wwVhN$_h$	DDFWN	$C_L C_M$ (07h)	wwVhN$_h$	DDFWN
333	5-	01864	08214	5-	02767	02127	50	02663	00016	53	02763	00014
334	--	05555	10117	--	05547	06323				--	02545	04216
340	5-	05667	04327	56	05664	04214	50	45385	32245	5-	45134	32245
136	8-	26853	04387	5-	26768	06228	5	02856	05388	5-	26858	05488
336	57	05654	04316	57	02754	04328						
350				57	02756	04427	5-	02748	04328	5-	26658	02428
368	8-	83647	03387	5-	05667	04487	50	05664	32124	50	05567	02117
379	8-	26757	02387	5-	02758	02328	53	23646	04377	5-	05658	04328
390	5-	05653	05578	57	05652	04427	53	05664	02227	5-	05657	02327
382	8-	02847	36427				53	02767	02328	53	06657	02308
438	56	02654	04616							02	72428	04578
430	50	02855	37577	5-	02664	04428	5-	71654	02478	5-	71753	02478
409	5-	02757	03527	5-	05655	02428	50	05664	02414	5-	05656	04316

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

§ Sea disturbance reported from Dungeness.

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

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	Afternoon	Night
Kew	s,fos,cy	c2o	c2o
Croydon	cshiso	c2o	cmoiso
Greenwich	ciso	cisoc	cbcx
Camden Square	c	c	*
Kensington	c2	o	*
Hampstead	oxs	bcx	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. Time — Out of action for whole period
Min. Time

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	36	31	27	Tr	-	0.0	*	*
Croydon	35	30	28	Tr	Tr	0.0	*	*
Greenwich	36	30	24		Tr	0.0	72	85
Westminster	37	32	28	-	*	*	97	78
Regents Park	35	30	30	-	-	*	60	95
Camden Square	36	30	23	-	-	*	*	90
Kensington	37	31	26	-	-	*	75	79
Hampstead	34	27	23	Tr	-	*	*	96

Page 1 BRITISH SECTION

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

SECRET

Thursday 26th February 1942

No. 29316

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)	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)	09·6	+10	NNE	4	Zo	36	55	24	6	8	3	–	4-6	7-8	2500
	Croydon	09.2	+10	NNE	5	Zo	35	75	27	6	8	3	1	9	9+	1600
	S. Farnborough	09·8	+8	NNE	5	c	36	65	25	7	1	3	–	4-6	7-8	3000
	Boscombe Down	10·2	+4	NE	5	c	37	65	31	8	1	–	–	7-8	7-8	1800
	Thorney Island	09·2	+10	NE	3	Zo	36	75	29	6	5	3	–	9	10	4000
	Lympne	08·7	+6	NE'N	6	SoSo	31	92	29	6	9	–	–	10	10	900
	Manston	08·3	+6	NE'N	5	sh	31	97	30	4	5	1	–	9+	10	800
2	Shoeburyness	09·9	+12	NE'N	4	c	32	85	28	6	5	7	–	9+	10	2400
	Felixstowe	09·9	+10	NE'E	4	c	33	75	26	7	8	–	–	10	10	1800
	Gorleston	11·0	+6	ENE	5	c	32	85	29	7	8	–	–	10	10	1600
	Mildenhall	11·3	+10	NE	3	c	35	75	27	8	5	–	–	7-8	9+	2800
	Cranwell	12·8	+6	NE	4	c	35	75	28	8	8	–	–	9	9	1800
3	Birmingham	12·7	+8	NE	4	c	35	65	25	6	5	–	–	9+	9+	2500
	Upper Heyford	10·9	+10	NE	4	c	35	65	24	8	8	–	–	7-8	7-8	3200
4	Ross-on-Wye	11·9	+6	NE	4	bc	37	55	21	6	7	–	–	4-6	4-6	3500
5	Hartland Point	11·5	+4	NNE	3	b	38	55	24	7	1	–	–	Tr	Tr	2500
	Bristol	11·7	+6	NE'N	4	bc	39	53	24	7	7	–	–	4-6	4-6	2500
	Portland Bill	09·3	+12	NE	4	c	40	85	38	8	2	–	–	7-8	7-8	4000
	Plymouth	10·5	+6	NE	4	Zo	41	45	24	7	1	4	–	Tr	1	3000
	The Lizard	11·5	+8	NNE	4	bc	39	85	34	8	2	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	11·4	+10	NE	4	bc	43	85	26	8	8	–	–	4-6	4-6	1800
	Guernsey															
6	Pembroke	12·8	+6	E'N	3	b	39	65	28	6	–	–	–	0	0	–
7	Holyhead	13·1	+8	ENE	2	bc	40	65	31	7	5	–	–	2-3	2-3	3000
	Chester (Sealand)	13·5	+12	NE'E	1	cf–	36	75	30	3	5	–	–	7-8	7-8	3500
8	Manchester	13·4	+6	ENE	3	bc	40	55	25	7	2	–	–	4-6	4-6	3500
10	Spurn Head	13·0	+10	ENE	4	c	36	75	29	7	7	–	–	9	9	4000
	Catterick	14·2	+4	NE	2	Zo	38	75	30	6	2	–	–	2-3	2-3	2800
	Tynemouth	14·9	+6	NNW	3	bc	38	85	34	8	2	–	–	4-6	4-6	2500
11	St. Abbs Head	14·7	+14	SSW	1	b	40	75	32	7	4	4	–	Tr	1	2500
	Leuchars	14·8	+8	SW	1	Zo	40	75	31	6	1	–	–	Tr	Tr	3500
12	Renfrew (Abbots I.)	14·2	+4	WSW	1	bcf–	39	75	32	3	1	–	–	2-3	2-3	3500
	Eskdalemuir	14·7	+4	–	0	b	35	75	28	8	1	–	–	1	1	1800
	Point of Ayre	14·4	+14	E'S	3	b	39	85	34	7	2	–	–	Tr	Tr	3000
13A	Tiree	11·9	+4	SSW	4	c	40	65	32	8	5	–	–	9+	9+	2800
13B	Stornoway	08·8	0	S	7	c	42	85	36	7	5	7	8	7-8	10	2500
15	Dalwhinnie	14·3	+6	SSW	3	b	34	65	25	8	1	–	–	Tr	Tr	2500
	Aberdeen	14·2	+10	SW	2	Zo	38	55	22	6	–	–	–	0	0	—
	Wick	12·2	+4	SSW	3	b	39	65	29	8	–	–	–	0	0	—
16	Sumburgh	11·5	-4	S'W	3	bc	40	75	33	9	5	–	2	4-6	4-6	3500
17	Blacksod Point	11·6	+2	S'W	4	b	45	55	31	8	8	–	–	1	1	2500
18	Malin Head	11·9	+4	S	4	bc	41	55	29	8	4	–	–	2-3	2-3	5700
	Aldergrove	14·1	+8	SWS	2	b	43	55	28	7	1	–	–	Tr	Tr	3000
19	Birr Castle	12·7	+6	S	2	b	44	45	26	8	–	–	–	0	0	—
20	Valentia Obsy.	12·3	+10	SSE	3	c	45	75	38	9	5	–	–	9+	9+	4000
	Roches Point	13·4	+8	E'S	3	bc	43	65	32	8	2	3	–	2-3	4-6	2500

OBSERVATIONS at 18h. G.M.T. 25th 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)	11·6	+14	NE	4	zo	32	65	31	6	5	–	–	9+	9+	2500	3	*
Croydon	11·3	+12	NNE	5	zo	31	85	28	5	5	–	–	10	10	2500	3	*
S. Farnborough	11·6	+14	NE'N	3	c	33	65	22	7	4	–	–	9	9	3000	3	*
Boscombe Down	12·4	+20	NE	4	c	32	65	23	8	5	–	3	7-8	7-8	2500	0	*
Thorney Island	11·1	+18	NNE	4	zo	35	65	25	6	5	–	9	4-6	7-8	2500	0	*
Lympne	10·4	+10	N'E	5	SoSo	30	92	28	5	6	–	–	10	10	500	4	5
Manston	09·9	+14	N'E	5	SoSo	30	97	30	5	5	–	–	10	10	700	8	*
Shoeburyness	11·5	+10	N'E	4	o/S	31	85	27	7	5	–	–	10	10	1800	4	*
Felixstowe	11·3	+10	NNE	4	iSo	31	75	26	7	5	–	–	10	10	1700	4	4
Gorleston	12·3	+12	NE	5	zo	31	85	27	6	5	–	–	10	10	1500	4	5
Mildenhall	12·8	+10	NE	4	c	31	75	24	7	5	–	–	9+	9+	2500	0	*
Cranwell	13·9	+6	NE	4	c	32	85	29	7	5	–	–	10	10	2500	1	*
Birmingham	14·0	+8	NNE	3	bc/pS	32	85	28	5	5	–	–	2-3	2-3	4000	3	*
Upper Heyford	12·3	+6	NE	3	c	32	75	24	8	4	–	–	7-8	7-8	2500	3	*
Ross-on-Wye	13·0	+6	N'E	2	zo	34	65	23	6	5	–	–	1	1	3000	3	*
Hartland Point	12·2	+6	NE	2	b	38	65	26	7	–	–	–	0	0	–	0	2
Bristol	13·1	+6	NNE	3	zo	33	75	28	6	5	–	–	Tr	Tr	4000	0	*
Portland Bill	10·9	+6	NE	4	bc	36	85	29	8	2	–	–	4-6	4-6	4000	1	4
Plymouth	12·1	+14	NE	3	zo	37	55	24	6	–	3	–	0	1	–	0	3
The Lizard	11·9	+2	N	3	bc	36	75	29	6	4	–	–	2-3	2-3	2500	0	3
Scilly (St. Mary's)	12·0	+6	NE'N	4	bc	39	65	26	8	8	–	–	4-6	4-6	1800	0	3
Guernsey																	
Pembroke	13·5	+4	NNE	3	b	36	75	27	7	–	–	–	0	0	–	0	1
Holyhead	14·1	+8	NE	3	b	34	85	29	7	1	–	–	Tr	Tr	4000	0	2
Chester (Sealand)	14·7	+10	NNE	1	m	33	75	27	4	5	–	–	1	1	3500	1	*
Manchester	14·6	+10	NE'E	3	c	34	75	27	6	4	6	–	4-6	7-8	4000	3	*
Spurn Head	14·0	+8	NE'E	4	c	32	75	25	7	7	7	–	7-8	9+	2500	0	4
Catterick	15·9	+14	NE	1	bc	32	92	30	8	5	–	–	4-6	4-6	2700	4	*
Tynemouth	16·3	-6	E	3	bc	36	85	30	8	2	4	–	1	4-6	2800	4	3
St. Abbs Head	15·2	+2	SSW	2	bc	34	85	28	8	4	4	–	1	2-3	2500	4	2
Leuchars	14·8	+2	–	0	b	35	75	29	7	5	6	–	Tr	Tr	3000	4	*
Renfrew (Abbots I.)	14·8	+6	W	1	zo	37	65	27	6	4	–	5	Tr	1	3000	1	*
Eskdalemuir	16·1	+8	–	0	b	28	75	19	8	–	4	–	0	1	–	9	*
Point of Ayre	16·0	+6	S'E	2	b	35	75	28	8	–	4	–	0	Tr	–	0	1
Tiree	12·3	+4	SSW	3	bc	39	85	34	8	5	–	–	2-3	2-3	3500	0	4
Stornoway	08·7	+6	SSW	7	c	41	92	39	8	5	7	5	7-8	10	2500	1	5
Dalwhinnie	14·5	+4	SSW	3	bc	31	75	25	6	8	–	–	4-6	4-6	1500	4	*
Aberdeen	14·9	+6	SSW	2	zo	36	75	30	6	–	4	1	0	Tr	–	4	2
Wick	11·7	-2	S	3	bc	37	75	28	8	–	7	1	0	2-3	–	1	*
Sumburgh	10·9	-6	SSW	4	c	39	85	33	8	–	–	8	0	7-8	–	4	3
Blacksod Point	12·9	+10	S	4	bcjp	43	75	36	9	8	6	3	2-3	2-3	2500	0	3
Malin Head	12·4	+14	S	2	bc	38	65	27	8	5	–	–	4-6	4-6	5700	3	2
Aldergrove	14·8	+10	SE	2	b	34	85	30	7	–	–	–	0	0	–	1	*
Birr Castle	13·6	+4	SE	1	b	38	65	27	8	–	–	–	0	0	—	1	*
Valentia Obsy.	13·5	+10	SSE	3	bc	41	75	34	9	5	–	–	4-6	4-6	2500	1	2
Roches Point	14·2	+6	S'E	2	c	42	75	35	8	5	–	–	7-8	7-8	2500	0	3

PAST 24 HOURS.

WEATHER.

Stations	7h.—13h. 25th. (39)	13h.—18h. 25th. (40)	18h. 25th to 1h. 26th (41)	1h.–7h. 26th. (42)
London (Kew)	cZo cZoy	cycZo	cZo	cmo
Croydon	cisgh	cmo	cZo	cZoSocmo
S. Farnborough	cisoc	bccy	cbc	bcbZocmo
Boscombe Down	c	bcc	c	c
Thorney Island	cisoZocmo	cmo	cbccmo	cmobcc
Lympne	cmopSoSo	cmoSoSo	moSoSocmo	cmo
Manston	cmo sh	shSSSoSmo	SoSocmo	cmo
Shoeburyness	SoSocmo	cmoiSoc	c	cmoo
Felixstowe	cpSoc	ciSo	ciSomoc	coiSho
Gorleston	c	c	ciSo	iSoqo
Mildenhall	c	c	cZo	cZo
Cranwell	c	c	ccmo	cmo
Birmingham	bfc	cbcpSo	poSoc	cm
Upper Heyford	cmocbc	bc	c	cpSoc
Ross-on-Wye	cZo	bcycby	bzcz	cZo
Hartland Point	cby	b	bmo	bccbcmo
Bristol	cmfbcy	bbcyZo	bZofcx	cfxmZo
Portland Bill	c	bc	b	bcbc
Plymouth	cmobcmo	bmo	bmoybm	bmox
The Lizard	bc	bc	bc	bc
Scilly (St. Mary's)	cbcy	bc	bcc	cbcc
Guernsey				
Pembroke	bmo	bZo	bcZox	bbcmox
Holyhead	bfmmo	b	bmo	bmfmx
Chester (Sealand)	cff	cf	bmffx	fbcmx
Manchester	fbcy	bcyZo	bcmx	bcbmx
Spurn Head	c	c	opSo	c
Catterick	bfbcmo	bcmobc	cfmmo	
Tynemouth	bcmo	bc	c	c
St. Abbs Head	bc	bbc	bbc	bc
Leuchars	bmofbmo	bmob	bmox	bmox
Renfrew (Abbots I.)	oFbf	bfZo	bZobfx	bfx
Eskdalemuir	bccb	b	b	bx
Point of Ayre	b	b	b	b
Tiree	c	bc	bc	bcc
Stornoway	bc	c	cPR	cprrr
Dalwhinnie	bcbbc	bc	*	bcc
Aberdeen	bZob	bZo	bZox	bZox
Wick	b	bc	bcc	crorolpmo
Sumburgh	bbc	bcc	cbc	rorocmo
Blacksod Point	b	b	bc	pr
Malin Head	cbc	bc	b	bc
Aldergrove	bfgxb;y	byb	bbx	bx
Birr Castle	bcb	b	*	b
Valentia Obsy.	cpr	bc	c	br
Roches Point	b	bc	bc	

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 26th February 1942

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate northeast winds, decreasing slowly later; mainly dull, with light snow flurries locally; clearer periods likely tonight; cold; temperature about freezing point.
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	Light variable winds; fine; local fog developing tonight; cold; hard frost at night.
12 S.W. Scotland & Isle of Man	Light to moderate south to southwest wind; fair; temperature rising very slowly
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Moderate to light westerly winds, freshening from southwest, perhaps becoming strong later; cloudy, occasional slight rain or sleet; fairer brighter periods locally; cold but becoming less cold slowly.
17 N. W. Ireland; 18 N. E. Ireland	Moderate southwest wind, fair, variable cloud, rather cold but temperature tending to rise
19 S. E. Ireland	Light variable wind; fine; cold; hard frost at night.
20 S. W. Ireland	As 17

GENERAL INFERENCE

A ridge of high pressure extends from northeast to southwest across the central British Isles with an almost stationary trough of lower pressure along the northwest seaboard and another trough further to the North. In the Southeast and South of England cold northeast winds will persist with mainly dull weather and a little light occasional snow in East Anglia. In North Scotland occasional rain or sleet. Elsewhere mainly fine weather with day temperature rising above freezing.

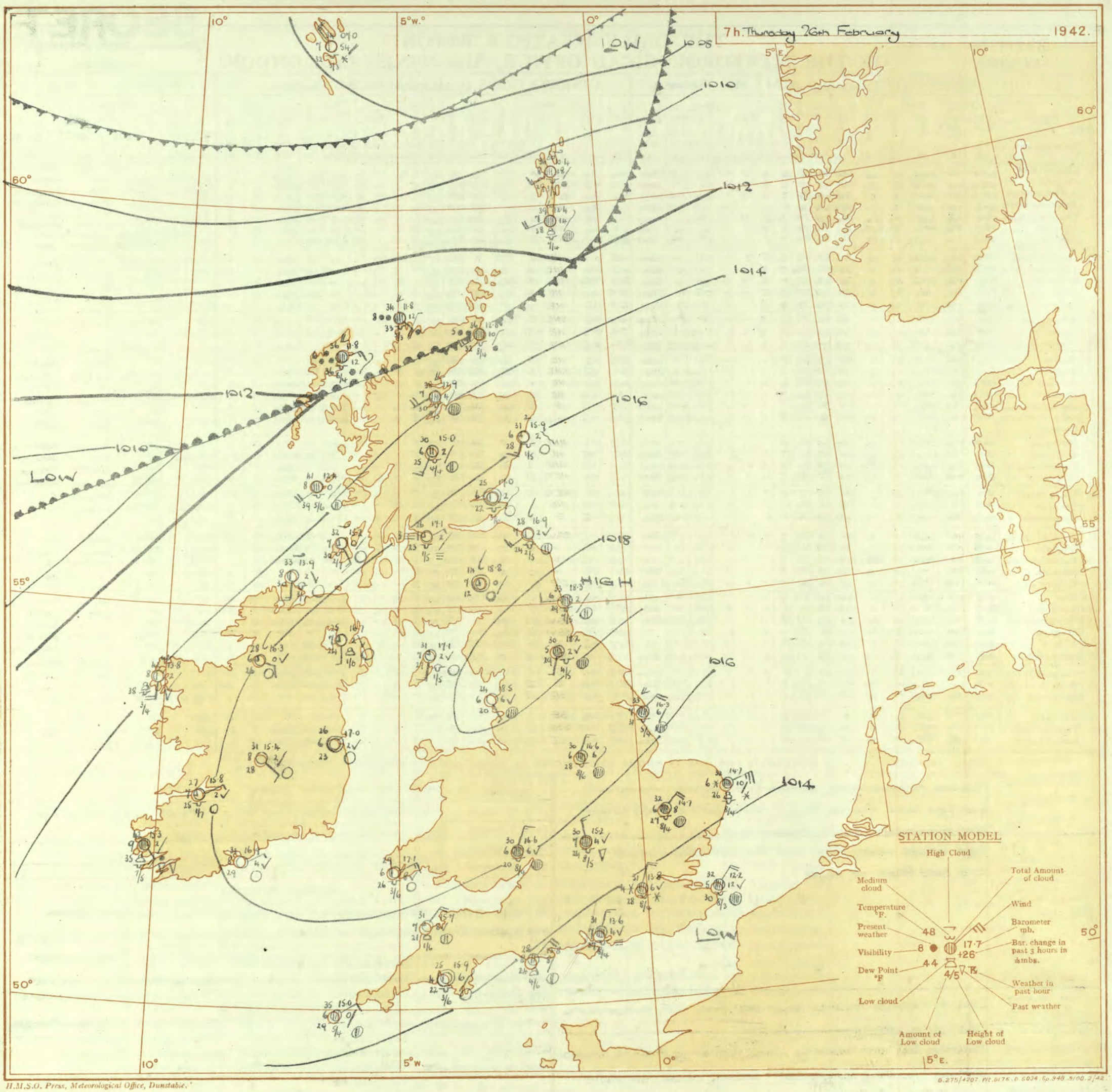
FURTHER OUTLOOK

Continuing dry and cold over most of England. Less settled in Scotland with temperature rising.

Forecasts issued at 10.30. G.M.T.

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

7h. Thursday 26th February 1942.



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

6.275/4207 Wt.8176 .6 6034 6p.948 9/00.2/42.

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).

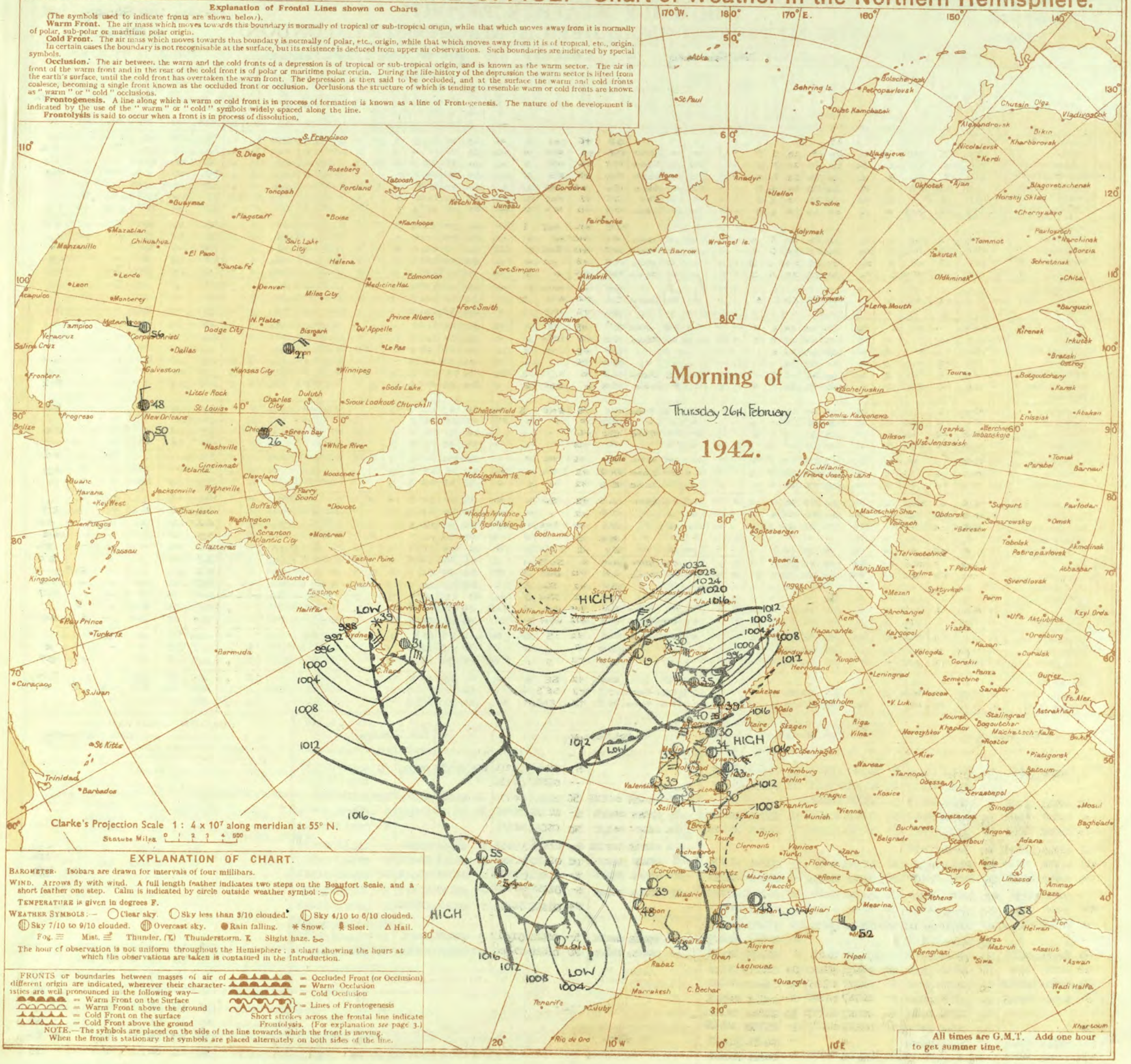
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 26th February 1942

No. 29316

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)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	29	*	*	*	*	*	*	*	*	*
	Croydon	217	13·2	+2	NNE	4	zo	30	75	23	5	5	-	-	10	10	3200
	S. Farnborough	226	14·1	+10	N'E	2	bc	29	75	22	7	5	-	-	2·3	2·3	3000
	Boscombe Down	417	14·4	+8	NE	5	c	31	75	23	7	5	-	-	10	10	2600
	Thorney Island	10	13·3	+10	NNE	4	zo	30	85	24	6	5	-	-	7·8	10	2400
	Lympne	346	11·7	+4	N	5	zo	31	92	29	6	5	-	-	10	10	700
	Manston	154	11·2	+6	NNE	4	zo	32	85	29	6	5	-	-	10	10	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	12·6	+2	NNE	3	c	32	85	28	7	5	-	-	10	10	1200
	Gorleston	5	13·3	+4	ENE	5	iSo	33	85	30	6	8	-	-	10	10	1500
	Mildenhall	19	14·1	+2	N'E	3	zo	31	75	24	6	5	-	-	10	10	1800
	Cranwell	240	15·5	+6	NE'N	3	zo	30	85	26	6	5	-	-	10	10	2600
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·6	+6	N'E	3	c	30	75	23	7	5	-	-	9	9	3100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·7	+6	NE	4	bc	35	65	24	6	1	-	-	2·3	2·3	4000
	Bristol	209	15·7	+10	-	0	of	28	85	25	3	5	-	-	10	10	2800
	Portland Bill	32	13·0	+6	NE	3	b	31	85	28	8	-	-	-	0	0	-
	Plymouth	82	14·9	+6	NNE	3	zo	30	75	24	6	-	-	-	0	0	-
	The Lizard	240	14·8	+8	NNE	3	bc	30	88	26	7	4	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	14·8	+6	E'S	3	c	38	75	32	7	8	-	-	9	9	1800
	Guernsey	175															
6	Pembroke	142	16·0	+6	NE	3	bc	31	85	28	6	1	-	-	2·3	2·3	4000
7	Holyhead	26	16·2	+6	NNE	1	m	29	92	27	4	-	-	-	0	0	-
	Chester (Sealand)	16	17·4	+12	NW	1	cf	25	92	22	3	6	-	-	9+	9+	4500
8	Manchester	235	16·8	+6	NNE	3	m	29	85	24	4	-	3	-	0	7·8	-
10	Spurn Head	29	15·8	0	NE	4	e/ps	33	85	29	7	8	-	-	10	10	1500
	Catterick	175	18·2	+6	-	0	zo	30	85	28	5	5	-	-	4·6	9+	3000
	Tynemouth	108	18·0	+4	E	3	zo	34	75	28	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	16·6	0	SSW	3	bc	30	85	25	7	2	4	-	2·3	2·3	2500
	Leuchars	36	16·8	+6	SW	1	zo	30	92	28	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	16·8	+4	-	0	bf	25	92	24	3	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16·[illegible]	+4	[illegible]	4	b	34	86	28	7	*	*	-	0	0	-
13A	Tiree	22	12·4	0	SSW	3	bc	40	85	38	8	5	3	-	2·3	4·6	3500
13B	Stornoway	80	10·2	+8	SSW	6	PR	40	97	40	7	5	7	-	7·8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Wick	119	11·6	-2	SW'S	6	c	37	85	33	6	5	7	-	7·8	10	4000
16	Sumburgh	30	10·0	-2	S'W	5	c	40	92	37	8	5	7	-	4·6	9+	2500
17	Blacksod Point	18	14·2	+6	S'W	4	bc	42	85	38	8	8	-	-	4·6	4·6	1500
18	Malin Head	84	14·0	0	S	4	b	35	65	24	7	-	-	-	0	0	-
	Aldergrove	268	16·6	+8	SSE	1	b	27	92	25	7	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·2	+2	SE'E	3	c	39	75	31	9	7	-	-	7·8	7·8	4000
	Roches Point	22	16·6	+8	NE	1	bc	37	85	33	8	5	-	-	4·6	4·6	4000

OBSERVATIONS at 7 hr. G.M.T. 26th 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)	13·8	+6	NNE	3	zo	32	85	27	5	5	-	-	10	10	2500	3	*
Croydon	13·8	+6	NNE	4	iSo	31	85	28	4	5	-	-	10	10	1000	3	*
S. Farnborough	14·2	+6	N'E	3	zo	31	85	27	6	5	2	-	10	10	1400	3	*
Boscombe Down	15·0	+8	N'E	3	c	30	75	24	7	5	-	-	10	10	2500	0	*
Thorney Island	13·6	+4	NNE	3	c	31	85	27	7	5	-	-	10	10	1500	0	*
Lympne	12·7	+8	NNE	5	zo	31	92	29	6	5	-	-	10	10	500	4	§4
Manston	12·2	+12	NE'N	4	zo	32	97	30	5	5	-	-	10	10	800	8	*
Shoeburyness	13·8	+12	NNE	3	o	32	97	30	6	5	-	-	10	10	1000	3	*
Felixstowe	14·0	+10	NE	4	sh	31	85	27	6	5	-	-	10	10	800	4	3
Gorleston	14·7	+10	ENE	5	iSo	32	75	26	6	8	-	-	10	10	1500	3	5
Mildenhall	14·7	+8	NE	4	zo	32	85	27	6	5	-	-	10	10	1200	3	*
Cranwell	16·2	+6	N	2	zo	31	92	29	6	5	-	-	10	10	2500	4	*
Birmingham	16·4	+6	NNW	2	m	29	75	22	4	5	-	-	10	10	1500	3	*
Upper Heyford	15·2	+4	N'W	3	c	30	85	24	7	5	-	-	10	10	2100	3	*
Ross-on-Wye	16·6	+6	NNE	3	c	30	65	20	6	5	-	-	10	10	1500	3	*
Hartland Point	15·7	+8	NE	4	bc	31	65	21	7	1	-	-	Tr	Tr	3000		3
Bristol	16·5	+8	E'N	2	c	30	65	20	7	5	-	-	10	10	2500	3	*
Portland Bill	13·8	+8	NE	4	bc	28	85	24	8	2	-	-	4·6	4·6	4000	1	4
Plymouth	15·9	+6	-	0	m	25	85	22	4	5	-	-	2·3	2·3	4000	3	2
The Lizard	14·9	0	NE	3	bc	30	75	23	6	4	-	-	2·3	2·3	2500	0	3
Scilly (St. Mary's)	15·0	0	ENE	2	c	35	85	29	6	8	6	-	7·8	7·8	1500	0	3
Guernsey																	
Pembroke	17·1	+8	ENE	3	bc	29	85	26	6	5	-	-	2·3	2·3	4000	3	1
Holyhead	16·5	0	N	1	[illegible]	25	85	21	5	-	-	-	0	0	-	3	1
Chester (Sealand)	18·0	+6	-	0	m	22	97	20	4	5	-	-	Tr	Tr	2800	3	*
Manchester	17·0	+14	-	0	m	25	85	20	4	5	-	-	4·6	4·6	4500	3	*
Spurn Head	16·3	+6	NE	4	c	33	92	31	7	5	2	-	7·8	10	1500	0	4
Catterick	18·2	+2	S'W	1	zo	30	92	29	5	5	-	-	4·6	9+	2300	4	*
Tynemouth	18·3	+2	W	2	c	33	85	29	6	5	-	-	9+	9+	2500	4	2
St. Abbs Head	16·9	+2	SW	3	bc	28	85	24	7	4	4	-	1	2·3	2500	3	2
Leuchars	17·0	+2	-	0	zo	25	85	22	6	5	-	-	2·3	2·3	4600	4	*
Renfrew (Abbots I.)	17·1	+2	ENE	1	bf-	26	92	23	3	5	-	-	Tr	Tr	2500	3	*
Eskdalemuir	18·8	0	-	0	b	14	92	12	7	-	4	-	0	1	-	9	*
Point of Ayre	17·1	+2	S'W	3	b	31	85	27	7	4	-	-	Tr	Tr	2500	3	2
Tiree	12·4	0	SW'S	4	c	41	92	39	8	5	-	-	7·8	7·8	3500	0	4
Stornoway	11·8	+12	ENE	3	rr	36	97	36	6	5	2	-	9	10	1500	1	2
Dalwhinnie	15·1	+2	SSW	3	c	30	75	25	6	5	-	-	4·6	4·6	1500	4	*
Aberdeen	15·9	-2	SSW	3	zo	31	85	28	6	5	-	5	Tr	Tr	2300	4	2
Wick	12·8	+10	SW	4	roro	36	85	32	5	5	-	-	10	10	1800	1	*
Sumburgh	12·4	+14	WSW	4	c	39	97	38	7	8	7	-	9+	10	1500	1	4
Blacksod Point	13·8	+2	S	4	bc	42	85	38	8	8	3	-	2·3	2·3	1500	1	4
Malin Head	13·9	-2	S	3	bc	33	85	29	8	4	-	1	2·3	2·3	5700	3	2
Aldergrove	16·7	-2	S	1	b	25	97	24	7	2	-	-	Tr	Tr	4000	3	*
Birr Castle	15·4	+2	SE	2	b	31	85	28	8	-	-	-	0	0	-	3	*
Valentia Obsy.	15·3	+2	SE'S	4	S/pr	42	75	35	9	8		-	9+	9+	2500	1	3
Roches Point	16·9	+4	ENE	1	b	31	92	29	8	-	-	-	0	0	-	3	3

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 25th Hrs. (38)
London (Kew)	37	29	24	-	-	2·2
Croydon	35	29	29	Tr	Tr	0·4
S. Farnborough	39	28	22	-	-	3·0
Boscombe Down	38	27	*	Tr	-	4·4
Thorney Island	39	27	22	-	-	*
Lympne	31	30	29	0·4	Tr	0·0
Manston	32	30	27	0·4	0·1	0·0
Shoeburyness	33	30	29	Tr	-	0·0
Felixstowe	33	30	30	0·1	Tr	0·0
Gorleston	34	32	30	-	0·1	*
Mildenhall	37	30	28	-	-	1·5
Cranwell	38	30	29	Tr	-	2·6
Birmingham	37	28	25	Tr	Tr	0·5
Upper Heyford	38	29	27	-	Tr	*
Ross-on-Wye	39	29	23	-	-	3·1
Hartland Point	41	31	28	-	-	5·1
Bristol	40	25	12	-	-	5·3
Portland Bill	40	27	*	-	-	*
Plymouth	42	24	15	-	-	5·4
The Lizard	42	29	*	-	-	8·4
Scilly (St. Mary's)	43	34	*	-	-	8·2
Guernsey						
Pembroke	41	26	*	-	-	8·3
Holyhead	41	25	10	-	-	*
Chester (Sealand)	37	22	18	-	-	0·0
Manchester	40	24	23	Tr	-	*
Spurn Head	37	31	*	Tr	-	2·5
Catterick	38	29	24	0·1	-	4·9
Tynemouth	39	32	30	-	-	*
St. Abbs Head	41	27	*	-	Tr	*
Leuchars	42	25	16	-	-	8·7
Renfrew (Abbots I.)	44	23	15	-	-	4·2
Eskdalemuir	39	14	7	-	-	6·8
Point of Ayre	43	25	*	-	-	8·6
Tiree	43	38	*	-	-	2·0
Stornoway	42	36	*	-	6·	*
Dalwhinnie	35	28	24	-	-	7·6
Aberdeen	40	30	26	-	-	7·7
Wick	41	36	33	-	2	*
Sumburgh	40	37	34	-	5	6·5
Blacksod Point	46	41	*	-	Tr	*
Malin Head	43	33	31	-	-	*
Aldergrove	43	24	19	-	-	8·7
Birr Castle	45	27	23	-	-	7·0
Valentia Obsy.	47	34	27	0·3	0·2	*
Roches Point	44	31	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 25th February)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 26th February)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 01	00890	17501	50	01763	17504	5-	61547	17527	5-	02647	18467
115			57	02744	20527	52	62735	87668	52	62835	12468
203 27	02833	16615	5-	03838	16628	6-	62738	83628			
206 00	00890	18300	54	01864	20415	57	02864	20525	52	02755	20428
210 00	00990	15300	54	00961	17302	04	01790	18314	57	02865	20328
220 82	02855	16588	80	01844	17488						
230 23	02755	17215	53	02861	16227	03	02790	16117	5-	02868	12118
245 50	00863	20103	54	00761	24101	50	00761	20201	84	05663	20103
260 03	00790	15141	04	00790	15101	03	00790	15101	50	01773	09103
278 10	00841	14301	00	05690	14203	00	05690	14100	5-	05557	14117
279 10	00752	04302	00	00890	06200	00	05690	06100	00	05690	04100
285			50	05625	04315				5-	02637	10327
288 20	26652	04172	40	05664	06314	5-	05668	10118	5-	05658	20128
575 00	00790	10100	04	00890	12201	00	05690	10200	04	05690	10201
301 2-	01655	06245	00	05690	09210	5-	05677	08207	00	05690	14120
321 5-	87438	32328	86	05655	03386	5-	26757	01387	5-	05668	01328
299			80	02746	04416	5-	02757	06227	80	02746	06226
292 5-			40	01864	04214	5-	02857	01227	5-	02758	31128
310 --	05644	04314	--	01644	04314				--	01625	32415
814 3-	02766	04226	50	05664	02184	5-	02668	04328	5-	05668	02328

IIIC_L C_M (13h. G.M.T. 25th February)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 26th February)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333			5-	01663	04213	00	00590	00000	00	01590	04143
334			--	05547	04228				--	01552	95214
340 5-	05655	06325	50	05664	04224	10	05663	32213	50	05645	02215
136 5-	02858	06428	5-	02758	05488	5-	02758	04428	5-	05648	03478
336 54	05654	04315	50	05653	08313				5-	05543	04314
350 26	02855	36525	5-	02858	35428	8-	05656	03386	5-	23638	01478
368 10	05651	06411	00	05690	06300	5-	05568	04108	5-	05667	04327
379 5-	01864	35414	8-	02856	02326	5-	02758	02328	5-	05658	02328
390 57	05654	36475	5-	02758	03428	5-	05648	32428	5-	71638	01378
382			54	02865	36426	5-	02856	03326	5-	02758	35428
438									02	03748	04628
430 5-	05658	04428	5-	05666	02427	5-	05658	01418	5-	05648	01428
409 00	05690	03410	00	05690	02400	00	05690	04300	50	05653	04213

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

§ Sea disturbance reported from Dungeness.

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

LONDON OBSERVATIONS

For the 24 hours ending morning 26th 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	czoczy	cyczo	cmo
Croydon	cisosh	cmo	czoscmo
Greenwich	soc	c	csomo
Camden Square	c	bc	*
Kensington	bc	bcc	*
Hampstead	o	bcxos	os

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0·1 Time 7-21h 25th; Min. <0·1 Time 9-4h 26th.

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	37	29	24	-	-	2·2	*	*
Croydon	35	29	29	Tr	Tr	0·4	*	*
Greenwich	36	29	28	Tr	Tr	0·4	84	97
Westminster	39	31	30	Tr			61	94
Regents Park	38	30	28	-	Tr		60	
Camden Square	40	29	27	-	-	*	*	89
Kensington	39	30	29	-	Tr		79	80
Hampstead	36	26	23	-	Tr		*	93

BRITISH SECTION

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

SECRET

Friday 27th February 1942

No. 29317

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15·2	+6	NE'N	4	Zo	33	85	28	6	5	-	-	10	10	1500
	Croydon ...	15·0	+2	NNE	4	0/3	32	85	30	5	5	-	-	10	10	800
	S. Farnborough	15·6	+2	NE'N	3	LSo	33	85	29	6	5	-	-	10	10	1400
	Boscombe Down	16·3	+14	N'E	4	Zo	34	65	25	6	5	-	-	10	10	1600
	Thorney Island	14·8	+4	N'E	3	Zo	34	85	30	5	-	2	-	7-8	10	1500
	Lympne ...	14·5	+6	N'N	4	Zo	33	92	31	6	5	-	-	10	10	400
	Manston ...	13·8	+4	NE'N	4	Zo	33	85	30	5	5	-	-	10	10	1000
2	Shoeburyness ...	15·0	+8	NNE	3	c	34	85	31	6	5	-	-	10	10	800
	Felixstowe ...	15·0	+4	NE'E	4	Zo	32	85	29	6	5	-	-	10	10	900
	Gorleston ...	16·4	+6	NE'E	4	0/pg	33	85	30	6	8	-	-	10	10	1500
	Mildenhall ...	16·6	+2	NE'N	4	sh	33	85	29	7	5	2	-	7-8	10	1600
	Cranwell ...	17·6	-6	NNE	4	c	34	85	30	7	5	-	-	7-8	7-8	3000
3	Birmingham ...	17·4	0	-	0	Zo	34	65	23	5	7	-	-	4-6	4-6	2500
	Upper Heyford	16·5	+2	NNE	3	sh	31	92	29	6	5	-	-	10	10	900
4	Ross-on-Wye	17·2	0	NE'N	3	Zo	37	55	21	6	7	-	-	4-6	4-6	3000
5	Hartland Point	17·9	0	NNE	4	b	34	75	27	7	-	-	-	0	0	—
	Bristol ...	17·5	+2	N'E	4	Zo	36	55	23	5	5	-	-	9+	9+	4000
	Portland Bill ...	15·6	+2	NE	4	0	35	85	29	7	5	2	-	7-8	10	2500
	Plymouth ...	16·5	-2	NNE	3	Zo	39	45	19	6	5	-	-	Tr	Tr	3000
	The Lizard ...	17·5	+4	NE	3	bc	37	55	22	7	4	-	-	4-6	4-6	2300
	Scilly (St. Mary's)	16·4	+8	NE	3	bc	41	65	29	7	8	-	-	2-3	2-3	1500
	Guernsey ...															
6	Pembroke ...	18·4	+2	-	0	b	35	65	25	6	-	-	-	0	0	—
7	Holyhead ...	17·6	+2	-	0	Zo	41	65	31	5	-	-	-	0	0	—
	Chester (Sealand)	18·1	-6	-	0	b	39	35	16	5	-	-	-	0	0	—
8	Manchester ...	18·1	-6	NE	1	b	36	65	24	6	-	-	-	0	0	—
10	Spurn Head ...	17·9	0	NE	3	0	34	92	32	7	5	2	-	7-8	10	1500
	Catterick ...	18·6	-2	N	1	Zo	35	65	27	6	5	-	-	4-6	4-6	3500
	Tynemouth ...	18·6	+2	-	0	Zo	36	65	25	6	2	-	-	7-8	7-8	2200
11	St. Abbs Head	17·3	0	SSW	3	c	32	92	31	7	5	4	-	7-8	9+	2500
	Leuchars ...	16·4	-6	SW	1	Zo	37	75	30	5	5	1	-	Tr	2-3	4000
12	Renfrew (Abbots I.)	16·9	-6	N'N	1	c/f	38	75	32	5	1	4	-	9+	9+	2500
	Eskdalemuir ...	18·3	-2	SW'S	2	c	32	75	22	7	3	-	-	9+	9+	1800
	Point of Ayre ...	18·0	+4	S	4	b	39	65	28	8	-	-	0	0	Tr	—
13A	Tiree	12·5	0	SW'S	1	c	44	85	39	8	5	-	-	9	9	2500
13B	Stornoway ...	10·2	-4	SSW	7	c/pr	42	97	41	7	8	7	-	7-8	10	1500
15	Dalwhinnie ...	16·4	+2	S	3	c	37	65	27	6	8	4	-	2-3	4-6	2500
	Aberdeen ...	16·2	-2	SSW	4	Zo	36	75	27	6	-	3	4	0	2-3	—
	Wick ...	13·7	0	S	4	ts	35	97	34	6	5	2	-	7-8	10	800
16	Sumburgh ...	14·5	+10	S'W	4	ir0	39	97	38	6	5	2	-	9+	10	1000
17	Blacksod Point	13·7	-2	S	5	pr	47	85	43	8	9	6	6	7-8	9	1500
18	Malin Head ...	13·6	-4	S	4	bc	43	75	36	8	4	-	-	2-3	2-3	2500
	Aldergrove ...	16·7	-6	S	3	Zo	42	65	32	6	5	4	9	Tr	Tr	3000
19	Birr Castle ...	16·3	-2	SSE	2	c	46	65	35	8	6	-	-	7-8	7-8	4000
20	Valentia Obsy.	16·1	0	S	5	ir0	46	75	39	8	8	-	-	9+	9+	2600
	Roches Point	18·2	+4	S	2	c	45	75	38	8	5	-	-	7-8	7-8	4900

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. °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)	16·1	+8	NNE	4	Zo	34	75	28	6	5	-	-	10	10	1500	3	*
	Croydon ...	15·5	+4	N'E	4	m	33	85	29	4	5	-	-	10	10	1400	3	*
	S. Farnborough	16·3	+4	NE	2	0/s	32	85	28	6	5	-	-	10	10	1200	3	*
	Boscombe Down	16·7	+4	NE'N	3	c/s	32	75	27	6	5	-	-	9+	9+	2000	0	*
	Thorney Island	15·2	+4	NNE	3	Zo	34	85	31	5	5	-	-	10	10	1500	3	*
	Lympne ...	15·6	+10	N'E	4	Zo	32	92	30	5	5	-	-	10	10	400	1	*
	Manston ...	14·8	+10	N'E	4	Zo	33	92	30	6	5	-	-	10	10	800	4	*
2	Shoeburyness ...	15·9	+8	NNE	3	0	33	85	30	6	5	-	-	10	10	900	1	*
	Felixstowe ...	15·9	+8	NE	3	Zo	33	85	29	6	5	-	-	10	10	900	1	2
	Gorleston ...	16·7	+6	NE	4	Zo	33	85	30	6	5	-	-	10	10	1200	3	3
	Mildenhall ...	16·6	+6	NNE	2	Zo	33	85	29	6	5	-	-	10	10	1500	0	*
	Cranwell ...	17·9	-6	N'E	3	Zo	33	75	23	6	5	-	-	2-3	2-3	3500	3	*
3	Birmingham ...	17·6	+2	NE	2	m	32	65	21	4	-	-	-	0	0	-	3	*
	Upper Heyford	16·6	+2	NE	2	Zo	32	92	29	6	5	-	-	10	10	2000	3	*
4	Ross-on-Wye	17·0	0	E	1	fg	32	65	22	5	-	-	-	0	0	-	0	*
5	Hartland Point	16·9	+2	NNE	3	b	34	65	22	7	1	-	-	Tr	Tr	3000	0	3
	Bristol ...	17·4	+6	—	0	m	31	75	24	4	-	-	-	0	0	-	0	*
	Portland Bill ...	16·1	+4	NE	4	0	35	85	29	7	5	-	-	10	10	2500	1	4
	Plymouth ...	16·7	+6	NE	3	Zo	36	55	24	5	-	-	-	0	0	-	0	2
	The Lizard ...	17·0	0	—	0	bc	37	75	30	7	4	-	-	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	16·8	+4	NE'E	2	bc	38	65	28	8	5	4	-	2-3	2-3	1500	0	3
	Guernsey ...																	
6	Pembroke ...	17·3	0	WNW	2	Zo	38	75	29	6	1	4	4	2-3	4-6	3500	0	2
7	Holyhead ...	16·8	-2	—	0	Zo	36	85	32	6	-	-	-	0	0	-	1	1
	Chester (Sealand)	17·6	0	—	0	m	30	85	24	4	-	-	-	0	0	-	0	*
8	Manchester ...	17·7	0	E'N	2	m	31	85	27	4	-	-	-	0	0	-	3	*
10	Spurn Head ...	17·4	0	NE	3	0	33	97	32	7	5	-	-	10	10	2500	0	3
	Catterick ...	18·6	+2	—	0	Zo	33	85	28	6	5	-	-	10	10	3500	4	*
	Tynemouth ...	18·6	0	E	3	c	33	75	27	7	8	-	-	9+	9+	2500	4	3
11	St. Abbs Head	16·5	-4	SSW	3	bc	31	85	27	7	5	4	8	2-3	4-6	2500	3	2
	Leuchars ...	15·8	0	SSW	1	Zo	34	85	31	6	5	-	-	7-8	7-8	3500	3	*
12	Renfrew (Abbots I.)	15·7	-6	SW'S	2	Zo	36	75	28	6	4	4	8	2-3	7-8	2200	1	*
	Eskdalemuir ...	17·1	-4	—	0	bc	28	75	21	6	5	-	-	2-3	2-3	1800	9	*
	Point of Ayre ...	16·9	-2	S'W	3	b	34	75	27	8	-	4	5	0	1	-	0	2
13A	Tiree	10·8	-8	SSW	5	c	43	85	39	8	5	-	-	9	9	2500	0	5
13B	Stornoway ...	07·8	-8	SSW	7	pr	43	97	42	7	8	7	-	7-8	10	1500	1	4
15	Dalwhinnie ...	14·4	-6	S	3	c	33	75	27	6	5	1	-	4-6	9+	2500	4	*
	Aberdeen ...	16·2	-2	SSW	3	Zo	36	85	30	5	-	4	1	0	Tr	-	4	2
	Wick ...	12·1	-12	SSE	4	Zo	38	95	34	6	5	7	-	2-3	10	2800	1	*
16	Sumburgh ...	13·4	-6	S	4	ir0	38	92	36	6	6	2	-	9+	10	1000	1	4
17	Blacksod Point	11·9	-10	S	5	c	45	85	41	8	8	4	6	4-6	7-8	1500	1	4
18	Malin Head ...	11·5	-10	S	4	c	41	85	37	8	8	6	-	4-6	7-8	4000	0	2
	Aldergrove ...	15·1	-6	SE'S	2	Zo	36	85	30	6	5	-	3	2-3	2-3	4000	1	*
19	Birr Castle ...	14·8	-2	S'W	2	c	43	75	36	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	15·4	-4	SSE	3	pr	43	85	39	8	8	-	1	9	9+	1500	1	3
	Roches Point	16·6	-6	S	3	bc	43	75	36	8	5	-	-	2-3	2-3	4000	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 26th... (39)	13h.—18h. 26th. (40)	18h. 26th to 1h. 27th (41)	1h.—7h. 27th (42)
1	London (Kew)	tr0s0cm0	cz0	cz0	cm0
	Croydon ...	is0hm	cm0cm	cm	cm
	S. Farnborough	s0h0is0m0c	cis0cm0	cm0	cm0
	Boscombe Down	ccm0	cm0sh0cm0	cm0bcm0	bm0x
	Thorney Island	cm0	cm0	cm0	cm0
	Lympne ...	om0	om0	om0id+	om0d0om0
	Manston ...	com0	ocm0	cm0	cm0
2	Shoeburyness ...	cis0m0cm0	cm0is0	om0cm0	cm0om0
	Felixstowe ...	cis0om0	om0	om0	om0
	Gorleston ...	cis0c	c	cm0	m0
	Mildenhall ...	cs0h0m0	cs0h0m0cm0	cm0id0	cm0
	Cranwell ...	cbc	cbcm0	bcm0cm0	cm0
3	Birmingham ...	cbcz	bcbz	b	bmx
	Upper Heyford	cshshm0	cshshcm0	cm0bm0	bcbcm
4	Ross-on-Wye	cbzcz	czbz	bz	bmx
5	Hartland Point	bbcb	by	b	b
	Bristol ...	cz0y	cz0,bm	bf	bff
	Portland Bill ...	c	c0	bc	bbc
	Plymouth ...	cm0bm0	bz0y	bmx	bmx
	The Lizard ...	bcy	bc	bcx	cbcz
	Scilly (St. Mary's)	cbc	bcbbc	bcb	b
	Guernsey ...				
6	Pembroke ...	bm0	bbcz0	bz0	bcm0c
7	Holyhead ...	bm0xz0	bbcbz0	bmcbm0x	bccx
	Chester (Sealand)	bmx	bm0	bmx	bmx
8	Manchester ...	bcmfz0	bz0	bmx	bmxf
10	Spurn Head ...	0	0	oid0	0
	Catterick ...	cbcz0	bcz0cm0	bcm0bm	bm0bcmx
	Tynemouth ...	cm0	cbcc	bcbm	bcm
11	St. Abbs Head	c	cbc	bcb	bcm0
	Leuchars ...	bm0xbcm0	bcbm0bcm0	bccbm0x	bccm0x
12	Renfrew (Abbots I.)	bfxcz0	cz0	bcz0cm0	cir0m0m
	Eskdalemuir ...	bbcc	cbcm0	bccm0	co
	Point of Ayre ...	b	b	bccz0	cz0
13A	Tiree	c	c	curr	ORd
13B	Stornoway ...	cpr	cpr	cpr	cRR
15	Dalwhinnie ...	c	c	*	cis.
	Aberdeen ...	bxz0	bz0	bbcz0	bcz0x
	Wick ...	r0r0cr0s0	r0r0cr0s0m0	cbcm0	cbccm0
16	Sumburgh ...	cir0	ir0r0r0m0	cir0c	c
17	Blacksod Point	pr	pr	pr	r
18	Malin Head ...	tlr	c	c	r
	Aldergrove ...	bxbz0	bbcz0	bccm0c	c
19	Birr Castle ...	bc	bc	*	bc
20	Valentia Obsy.	pr	r	pr	pr
	Roches Point	bc	bc	bc	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 27th February

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable wind; fair; cold keen frost tonight; local fog 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	Moderate southwest wind becoming fresh locally; cloudy, occasional rain later, some sleet or snow on high ground; fog tonight in industrial areas, rather cold but temperature rising slowly.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh southwest to west wind, strong locally on coasts, cloudy, rain at times, sleet or snow on high ground, rather cold but temperature rising slowly.
16 Orkneys and Shetlands 17 N.W. Ireland	As 13A – 15
18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4 – 12.

GENERAL INFERENCE

A ridge of high pressure lying southwest to northeast across Southeast England is moving slowly southeast and depressions are moving northeast off the western seaboard.

It will continue fair and cold in the Southeast but elsewhere weather will be cloudy with occasional rain and it will become milder than of late.

FURTHER OUTLOOK

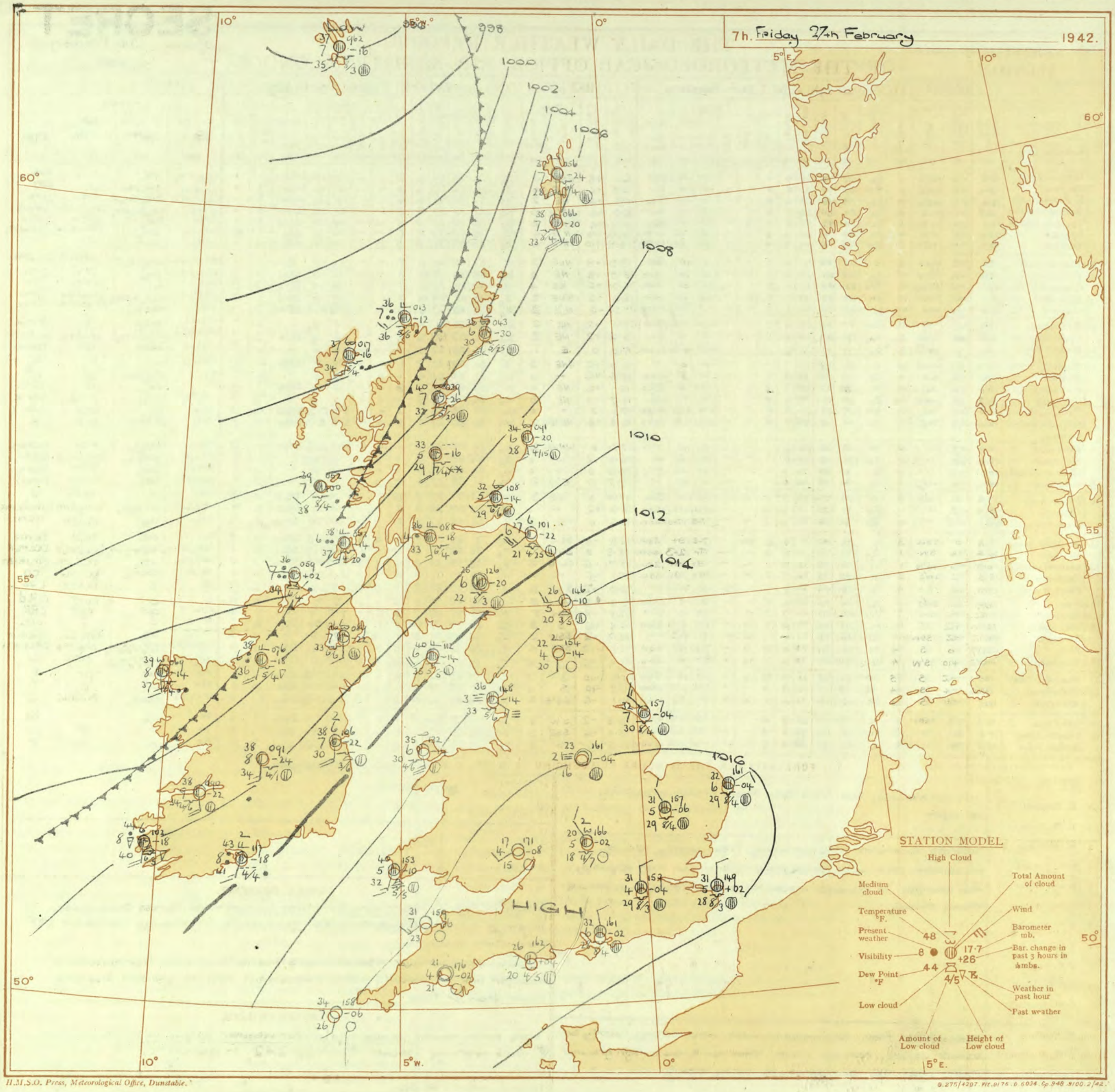
West to southwest winds and milder weather spreading to all districts.

Gale warning issued 13.45 26.2.42 in district 16.

Forecasts issued at 10.30h.

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

7h. Friday 27th February 1942.



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

9.275/4297. Wt.8176. D.6034. Gp.948. 3100. 2/42.

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).

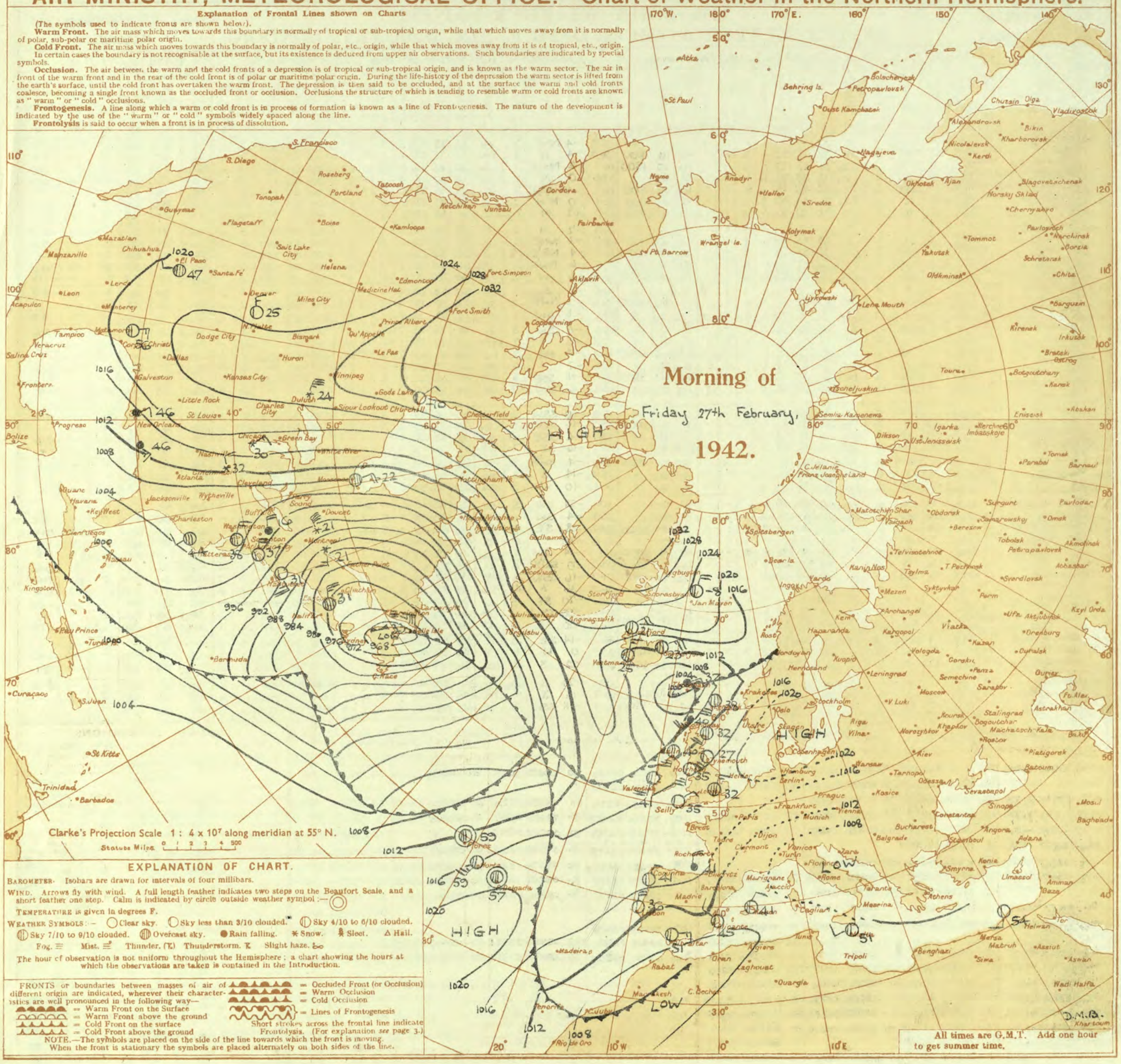
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 27th February 1942

No. 29317

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)	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	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon ...	217	16·5	0	NNE	3	m	32	92	30	4	5	–	–	10	10	800
	S. Farnborough	226	16·6	0	N'W	2	zo	31	85	27	5	5	–	–	10	10	1300
	Boscombe Down	417	17·9	0	N	2	zo	23	97	22	6	–	–	–	0	0	–
	Thorney Island	10	16·4	+2	NNE	2	zo	32	85	28	6	5	–	–	10	10	1500
	Lympne ...	346	16·2	+2	N	3	ido	31	92	30	5	5	–	–	10	10	400
	Manston ...	154	15·1	0	N	3	zo	32	92	30	6	5	–	–	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	16·2	–2	N	2	zo	32	85	29	6	5	–	–	10	10	1100
	Gorleston ...	5	16·7	–2	ENE	2	zo	33	85	29	6	5	–	–	10	10	1500
	Mildenhall ...	19	16·5	–2	NNW	2	o/d	32	92	30	5	5	–	–	10	10	900
	Cranwell ...	240	17·2	–6	NW	2	zo	30	92	29	6	5	–	–	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·3	–2	NNW	1	m	23	97	21	4	5	3	–	2-3	4-6	2000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·1	–2	SSE	2	b	30	85	25	7	–	–	–	0	0	–
	Bristol ...	209	18·3	–2	–	0	bf	22	92	21	2	–	–	–	0	0	–
	Portland Bill ...	32	17·0	+8	NE	3	bc	32	85	29	7	2	–	–	4-6	4-6	4000
	Plymouth ...	82	18·1	+2	–	0	m	23	92	21	4	–	–	–	0	0	–
	The Lizard ...	240	17·7	0	NE	2	bc	31	85	27	7	4	–	–	2-3	2-3	2500
	Scilly (St.Mary's)	163	17·4	–2	E'N	1	b	35	75	28	8	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	17·3	0	ENE	2	zo	31	85	28	6	–	–	–	0	0	–
7	Holyhead ...	26	15·8	–10	S	5	zo	35	85	32	5	5	–	–	Tr	Tr	4000
	Chester(Sealand)	16	16·9	–12	SE	2	m	25	85	20	4	–	–	–	0	0	–
8	Manchester ...	235	17·7	–4	–	0	bf+	22	92	19	3	–	–	–	0	0	–
10	Spurn Head ...	29	17·5	0	NW'N	4	ido	33	92	31	7	–	2	–	10	10	1500
	Catterick ...	175	17·7	–8	–	0	m	23	92	22	4	–	–	–	0	0	–
	Tynemouth ...	108	17·9	–4	W	2	m	33	85	30	4	–	–	–	0	0	–
11	St. Abbs Head	280	14·9	–14	SSW	4	b	27	85	23	5	–	–	–	0	0	–
	Leuchars ...	36	14·2	–14	SW	2	zo	30	92	28	5	–	3	–	0	4-6	–
12	Renfrew (Abbots I.)	19	13·6	–18	–	0	zo	33	85	28	5	5	3	–	9	9+	5000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	14·7	–12	SW	4	zo	37	85	32	6	5	*	*	7-8	7-8	2000
13A	Tiree	22	07·3	–24	S	5	rr	42	97	38	7	–	2	–	10	10	1800
13B	Stornoway ...	80	04·6	–6	SW	5	pr	40	97	40	7	8	7	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Wick ...	119	09·4	–18	S'W	6	zo	38	75	32	6	–	–	6	0	7-8	–
16	Sumburgh ..	30	10·9	–14	S'E	5	o	38	85	35	7	5	–	–	10	10	1200
17	Blacksod Point	18	08·8	–16	SSW	5	c/pr	46	85	42	8	9	–	6	9	9+	800
18	Malin Head ...	84	07·5	–22	S	5	c	40	92	38	7	5	8	–	4-6	7-8	4000
	Aldergrove ...	268	13·0	–12	S	2	c	37	85	33	7	5	3	–	4-6	9+	4500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·5	–14	S	4	bc	41	75	34	9	5	–	–	2-3	2-3	4000
	Roches Point	22	13·5	–10	SW	4	c	42	85	38	8	5	–	–	7-8	7-8	2500

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)	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)	15·8	–4	NNE	2	zo	32	75	27	5	5	–	–	10	10	2500	3	*
Croydon ...	15·9	–4	N	2	m	31	92	29	4	5	–	–	10	10	800	3	*
S. Farnborough	16·1	–2	NNW	1	zo	30	85	26	6	5	–	–	10	10	1800	3	*
Boscombe Down	17·6	0	N	1	m	19	97	18	4	–	–	–	0	0	–	3	*
Thorney Island	16·1	–2	N'W	2	zo	32	85	28	6	5	–	–	10	10	1500	3	*
Lympne ...	16·1	0	N'W	2	zo	30	97	29	6	5	–	–	10	10	400	3	§3
Manston ...	14·9	+2	N	2	zo	31	85	28	5	5	–	–	10	10	800	4	*
Shoeburyness ...	15·9	–2	N	2	o	32	92	31	5	5	–	–	10	10	1000	3	*
Felixstowe ...	14·7	–2	NNE	2	zo	31	85	27	6	5	–	–	10	10	800	3	2
Gorleston ...	16·1	–4	NE'E	2	zo	32	85	29	6	5	–	–	10	10	1500	0	2
Mildenhall ...	15·7	–6	NW'N	1	zo	31	85	29	5	5	–	–	10	10	1500	0	*
Cranwell ...	16·0	–6	W	2	zo	30	92	28	6	5	–	–	10	10	2000	3	*
Birmingham ...	16·4	–6	SW	1	m	22	92	20	4	–	–	–	0	0	–	3	*
Upper Heyford	16·6	–2	NW'N	2	zo	20	97	18	5	5	3	5	4-6	7-8	6000	3	*
Ross-on-Wye	17·1	–8	SW	1	m	17	92	15	4	–	–	–	0	0	–	3	*
Hartland Point	15·9	–6	SW	3	b	31	75	23	7	–	–	–	0	0	–	3	3
Bristol ...	17·8	–6	–	0	bf-	17	92	15	3	–	–	–	0	0	–	0	*
Portland Bill ...	16·2	–4	NE	2	bc	26	85	22	7	5	–	–	4-6	4-6	2500	1	3
Plymouth ...	17·6	–2	–	0	m	21	97	20	4	–	–	–	0	0	–	3	2
The Lizard ...	16·7	–4	SSE	3	bc	33	65	22	6	4	–	–	2-3	2-3	2500	2	4
Scilly (St.Mary's)	15·8	–6	S'W	2	b	34	75	26	7	–	–	–	0	0	–	0	3
Guernsey ...																	
Pembroke ...	15·3	–10	SSW	3	c	40	75	33	7	8	–	–	7-8	7-8	2500	0	3
Holyhead ...	13·2	–14	SSE	5	zo	35	85	30	6	5	–	1	4-6	4-6	3000	2	4
Chester(Sealand)	15·1	–6	SE'E	3	m	22	85	18	4	–	–	–	0	0	–	3	*
Manchester ...	15·2	–16	SE	2	bf-	21	85	17	3	–	–	–	0	0	–	3	*
Spurn Head ...	15·7	–4	NW'N	3	o	32	92	30	7	5	–	–	10	10	1500	0	3
Catterick ...	15·4	–14	S	2	m	22	92	20	4	–	–	5	0	2-3	–	5	*
Tynemouth ...	14·6	–10	W	3	zo	26	75	20	5	2	–	–	2-3	2-3	2500	3	3
St. Abbs Head	10·1	–22	SW	5	bc	27	85	21	6	4	4	–	4-6	4-6	2500	3	3
Leuchars ...	10·8	–14	SW	1	zo	32	85	29	5	5	7	–	9	10	3000	3	*
Renfrew (Abbots I.)	08·8	–18	S'E	3	iro	36	85	33	4	5	2	–	9	10	1800	1	*
Eskdalemuir ...	12·6	–20	–	0	o	25	92	22	6	5	–	–	10	10	900	9	*
Point of Ayre...	11·2	–14	SW	4	zo	40	85	35	6	5	2	–	7-8	10	2000	0	3
Tiree	05·2	0	SW'S	2	o	35	97	36	7	5	–	–	10	10	1800	1	4
Stornoway ...	01·7	–16	SSW	3	c/f	37	92	34	7	5	7	–	7-8	10	1500	1	2
Dalwhinnie ...	06·8	–36	S	4	c/s	33	85	29	5	5	–	–	9+	9+	1500	4	*
Aberdeen ...	09·1	–20	S'E	3	c	34	85	28	6	5	7	–	4-6	7-8	1500	4	*
Wick ...	04·3	–30	SSW	7	zo	36	85	30	6	5	7	6	7-8	9+	2500	1	*
Sumburgh ..	06·6	–20	S'E	6	o	38	85	33	7	5	–	–	10	10	1500	1	5
Blacksod Point	06·9	–14	S'E	3	c/f	39	92	37	8	5	3	–	4-6	9	1500	1	3
Malin Head ...	05·9	0	W	1	rr	36	92	34	7	3	–	–	9	9	1500	1	3
Aldergrove ...	08·9	–22	S	2	c	36	85	33	7	5	7	–	9	9+	3500	1	*
Birr Castle ...	09·1	–24	S	3	bc	38	85	34	8	5	–	–	4-6	4-6	220	1	*
Valentia Obsy.	10·2	–18	S	4	PR	44	85	40	8	8	4	–	9	9+	2500	1	3
Roches Point	11·7	–18	SSW	3	ir	43	92	41	8	6	2	5	4-6	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 26th. Hrs. (38)
London (Kew)	34	31	30	Tr	–	0·0
Croydon ...	33	30	30	Tr	–	0·0
S. Farnborough	34	29	29	Tr	–	0·0
Boscombe Down	34	19	14	Tr	Tr	0·0
Thorney Island	35	30	27	–	–	*
Lympne ...	33	30	30	–	Tr	0·0
Manston ...	33	31	28	–	–	0·0
Shoeburyness ...	34	31	31	Tr	–	0·0
Felixstowe ...	34	31	30	0·1	–	0·0
Gorleston ...	33	31	30	Tr	–	*
Mildenhall ...	34	31	30	Tr	Tr	0·0
Cranwell ...	36	29	27	Tr	–	1·9
Birmingham ...	36	20	6	–	–	3·3
Upper Heyford	33	19	15	Tr	–	*
Ross-on-Wye	37	16	9	–	–	4·0
Hartland Point	38	29	25	–	–	8·6
Bristol ...	36	15	6	–	–	0·1
Portland Bill ...	36	25	*	–	–	*
Plymouth ...	42	21	15	–	–	6·2
The Lizard ...	40	29	*	–	–	2·3
Scilly (St.Mary's)	42	33	*	–	–	9·0
Guernsey ...						
Pembroke ...	39	27	*	–	–	8·8
Holyhead ...	42	26	17	–	–	*
Chester(Sealand)	39	22	19	–	–	3·8
Manchester ...	36	20	19	–	–	*
Spurn Head ...	35	31	*	–	–	1·8
Catterick ...	36	20	17	–	–	3·2
Tynemouth ...	36	25	23	–	–	*
St. Abbs Head	34	25	*	–	–	*
Leuchars ...	35	30	22	–	–	4·1
Renfrew (Abbots I.)	42	31	26	–	Tr	2·1
Eskdalemuir ...	33	15	10	–	–	2·1
Point of Ayre...	40	33	*	–	–	8·5
Tiree	46	38	*	–	9	0·6
Stornoway ...	43	34	*	7	16	0·0
Dalwhinnie ...	37	31	29	–	0·2	4·0
Aberdeen ...	38	33	30	–	–	7·1
Wick ...	39	35	34	3	–	*
Sumburgh ..	41	37	35	0·3	Tr	2·1
Blacksod Point	48	39	*	0·1	8	*
Malin Head ...	45	35		–	4	0·0
Aldergrove ...	43	34	30	–	–	8·1
Birr Castle ...	47	35	32	–	–	4·6
Valentia Obsy.	46	40	34	2	2	
Roches Point	47	41	*	–	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th February 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	61645	18568	52	22565	15468
115				52	62735	20468
203	6-	02838	16228	62	81834	83628
206	52	02764	20428	51	02864	20328
210	57	22855	16267	07	02750	17228
220	80	01845	17486	80	82737	16587
230	5-	02767	16317	53	01662	14314
245	00	05650	17205	07	05650	17314
260				50	00783	12103
278	-	02767	14327	50	00750	00751
279	60	05650	26210	50	08663	22103
285						
288	5-	02767	08127	5-	05667	08127
575	43	01761	14113	47	02853	12225
301	10	05651	14201	00	47350	01200
321	53	02765	31226	5-	05657	04227
292	5-	02756	04216	5-	02758	08228
292	-	02866	02316	5-	02767	04327
310	-	01643	04413	--	04434	32314
614	10	05663	32313	5-	05667	04227

01h. G.M.T. 27th February 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	00	05650	08100	00	00650	26100
334	--	05550	12202			
340	00	05650	02210	00	05650	06200
136	5-	72644	04478	5-	78655	01378
336	10	01763	04313	50	05642	04312
350	5-	78638	02478	5-	05648	06378
368	50	00651	04311	00	05650	00000
379	5-	05658	02378	5-	05656	02316
390	5-	05636	02478	5-	05636	02328
382						
438	5-	10548	04528			
430	5-	08448	02328	52	05556	02328
409	00	05750	03300	00	05650	01200

13h. G.M.T. 26th February 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	00	05650	08100	00	00650	26100
334	--	05550	12202			
340	00	05650	02210	00	05650	06200
136	5-	72644	04478	5-	78655	01378
336	10	01763	04313	50	05642	04312
350	5-	78638	02478	5-	05648	06378
368	50	00651	04311	00	05650	00000
379	5-	05658	02378	5-	05656	02316
390	5-	05636	02478	5-	05636	02328
382						
438	5-	10548	04528			
430	5-	08448	02328	52	05556	02328
409	00	05750	03300	00	05650	01200

01h. G.M.T. 27th February 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	00	04550	20200	54	01673	12344
334	--			--	01572	00003
340	00	08450	00000	00	08450	14100
136	5-	05648	32178	5-	05648	32228
336	50			50	05543	32313
350	5-	05648	30228	5-	05648	24128
368	00	05550	00000	00	08450	32100
379	00	05550	02120	00	05550	00000
390	5-	08428	01128	5-	05547	31228
382				05	08450	KKKKK
438	5-	02558	32328			
430	5-	05548	32228	5-	05648	30228
409	00	05650	08200	00	05650	14200

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

§ Sea disturbance reported from Dungeness.

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

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	irS_0cm$_0$	cz$_0$	cz$_0$cm$_0$	Kew 24 hours ended 7h. Max. Time 0·2 9h on 26th Min. Time 0·1 0h on 27th
Croydon ...	is$_0$shm	cm$_0$cm	cm	
Greenwich ...	cis$_0$	c	c	
Camden Square	o	o	*	
Kensington ...	o	o	*	
Hampstead ...	oS	oK	o	

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	34	31	30	Tr	–	0·0	*	*
Croydon ...	33	30	30	Tr	–	0·0	*	*
Greenwich ...	33	31	30	Tr	–	0·0	75	85
Westminster ..	35	32	31	–			70	86
Regents Park ...	34	31	30	–	–		84	95
Camden Square	34	32	29	–	–	*	*	85
Kensington ...	35	32	30	–	–		82	81
Hampstead ...	32	29	26	Tr	–		*	91

BRITISH SECTION

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

SECRET

Saturday 28th February 1942

No 29218

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)	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)	15·0	-10	W'S	1	zo	36	65	26	5	-	3	6	0	7·8	-
	Croydon ...	15·3	-6	NNW	1	m	35	75	27	4	5	-	-	9+	9+	2200
	S. Farnborough	15·5	-14	SSW	1	bc	40	55	25	7	5	-	-	Tr	Tr	3000
	Boscombe Down	15·9	-14	-	0	zo	39	55	26	6	-	-	-	0	0	-
	Thorney Island	15·7	-8	SW	1	bc	39	65	28	7	1	-	-	2·3	2·3	4000
	Lympne ...	16·2	-2	NNW	2	zo	31	97	30	6	5	-	-	10	10	400
	Manston ...	15·0	-6	NW'N	2	zo	32	85	28	6	5	-	-	10	10	900
2	Shoeburyness ...	15·9	-4	NW	1	0	35	75	25	6	5	-	-	10	10	1500
	Felixstowe ...	15·3	-6	SSE	1	zo	34	75	28	6	5	-	-	10	10	1400
	Gorleston ...	15·4	-8	SE'E	2	zo	34	92	31	6	8	-	-	9	9	1200
	Mildenhall ...	15·1	-10	W	1	zo	35	75	27	6	5	-	-	10	10	1500
	Cranwell ...	13·9	-22	S'W	3	b	37	55	22	7	-	-	-	0	0	-
3	Birmingham ...	13·8	-14	SSW	2	zo	38	55	24	6	-	-	1	0	1	-
	Upper Heyford	14·5	-14	SW	2	zo	38	45	19	6	-	-	-	0	0	-
4	Ross-on-Wye	13·7	-20	WSW	2	zo	41	55	25	6	-	-	-	0	0	-
5	Hartland Point	14·4	-10	SW	3	bc	39	45	20	7	-	4	5	0	4·6	-
	Bristol ...	15·8	-14	W	1	zo	43	55	28	6	-	-	9	0	Tr	-
	Portland Bill ...	16·5	-6	NE	2	bc	37	75	32	8	5	-	-	4·6	4·6	2500
	Plymouth ...	16·3	-6	SSW	2	zo	42	55	26	6	-	-	1	0	Tr	-
	The Lizard ...	16·[illegible]	-6	S	4	bc	45	65	34	6	4	-	-	4·6	4·6	2200
	Scilly (St. Mary's)	14·5	-10	SW'S	4	bc	47	55	34	8	5	4	-	2·3	4·6	1500
	Guernsey ...															
6	Pembroke ...	12·9	-12	SSW	6	cq	42	85	38	6	8	6	-	7·8	9+	3000
7	Holyhead ...	09·7	-20	S	6	zo	42	85	34	5	5	-	-	9+	9+	3000
	Chester (Sealand)	11·7	-22	SE'S	3	zo	42	55	27	5	5	-	-	9	9	4500
8	Manchester ...	11·8	-30	S	4	m	41	55	26	4	-	5	2	0	4·6	-
10	Spurn Head ...	13·9	-18	SW	4	bc	36	85	32	6	5	-	-	1	2·3	2500
	Catterick ...	11·5	-26	S	3	cf+	37	75	30	3	5	3	-	1	7·8	6000
	Tynemouth ...	11·3	-20	SSW	3	m	36	75	29	4	2	3	-	4·6	9	2500
11	St. Abbs Head	06·2	-32	SSW	5	c	37	75	29	7	8	4	-	7·8	9+	1500
	Leuchars ...	04·7	-28	S	4	rs	37	85	33	6	5	2	-	2·3	10	2500
12	Renfrew (Abbots I.)	04·7	-20	SW'S	4	rr	38	92	36	6	6	-	-	10	10	700
	Eskdalemuir ...	07·0	-30	S'W	4	rs	33	92	30	6	-	2	-	10	10	300
	Point of Ayre ...	07·2	-24	SW'S	6	ifo	41	85	37	6	6	2	-	4·6	10	1000
13A	Tiree ...	00·6	-24	SW'S	6	bc	43	85	38	8	8	-	-	4·6	4·6	2500
13B	Stornoway ...	97·6	-32	S	7	c	42	97	40	7	3	7	-	4·6	7·8	2000
15	Dalwhinnie ...	02·1	-22	S	4	SoSo	33	97	33	4	5	-	-	10	10	1500
	Aberdeen ...	04·5	-28	S'E	5	c/rs	37	85	32	6	6	7	-	4·6	7·8	1200
	Wick ...	02·0	-16	S	5	ifo	38	85	35	6	5	-	-	9+	9+	1800
16	Sumburgh ...	02·5	-22	S	7	fofo	38	97	37	6	6	-	-	10	10	1500
17	Blacksod Point	05·7	-12	WSW	5	c/pr	46	65	35	9	8	-	-	7·8	7·8	2500
18	Malin Head ...	02·2	-18	S	4	bc	43	75	36	8	8	-	-	4·6	4·6	2500
	Aldergrove ...	05·8	-10	SW	3	c	40	97	39	8	8	-	-	7·8	7·8	1000
19	Birr Castle ...	07·4	-10	NNW	2	ir	44	92	42	7	6	2	-	7·8	10	1500
20	Valentia Obsy.	08·6	-10	WSW	4	rr	46	92	44	7	5	7	-	Tr	10	1600
	Roches Point	09·6	-18	SW	4	c	48	85	44	8	3	1	-	7·8	9	1500

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)	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)	13·9	-4	SSW	1	m	34	65	24	4	-	4	-	0	Tr	-	3	*
	Croydon ...	14·2	0	S'W	1	m	33	65	24	4	-	4	1	0	1	-	3	*
	S. Farnborough	14·0	-2	SSW	2	zo	35	65	24	6	-	-	1	0	Tr	-	0	*
	Boscombe Down	14·5	-2	SW'S	3	zo	32	92	30	6	-	3	5	0	2·3	-	0	*
	Thorney Island	14·6	-2	SW	2	zo	33	85	29	5	5	-	-	1	1	4000	0	*
	Lympne ...	15·6	-2	-	0	zo	31	85	28	5	5	-	-	7·8	7·8	400	3	§
	Manston ...	14·5	0	-	0	zo	31	85	28	6	5	3	-	7·8	9+	1500	4	*
2	Shoeburyness ...	14·6	0	SSW	2	b	32	85	29	5	-	4	-	0	2·3	-	1	*
	Felixstowe ...	14·3	-2	WSW	3	zo	31	92	28	6	5	-	-	Tr	Tr	2500	1	2
	Gorleston ...	13·8	-8	SSW	3	zo	34	85	30	6	-	3	-	0	2·3	-	0	2
	Mildenhall ...	12·9	-12	S	2	zo	34	75	27	6	-	4	-	0	2·3	-	0	*
	Cranwell ...	11·6	-6	S	2	zo	32	85	28	5	-	-	8	0	1	-	1	*
3	Birmingham ...	11·4	-10	S	3	zo	37	55	23	6	5	-	-	Tr	Tr	4000	3	*
	Upper Heyford	3·3	-2	SSW	2	zo	36	55	20	5	-	-	6	0	4·6	-	3	*
4	Ross-on-Wye	12·1	-8	S'W	3	zo	39	55	24	6	5	-	-	7·8	7·8	3000	0	*
5	Hartland Point	11·8	-10	SW	2	c	42	55	28	7	5	-	-	9	9	2400	0	3
	Bristol ...	14·1	-6	S	3	zo	38	55	26	6	-	-	9	0	2·3	-	0	*
	Portland Bill ...	14·3	-6	SW	2	c	39	85	36	7	5	-	-	7·8	7·8	2500	1	3
	Plymouth ...	14·1	-6	SW	4	zo	42	75	35	6	5	-	4	7·8	9	3000	0	3
	The Lizard ...	14·0	-4	SSW	5	c	44	85	39	8	8	2	-	7·8	9+	1500	0	4
	Scilly (St. Mary's)	12·3	-4	SW'W	3	bc	47	85	43	8	8	4	4	4·6	4·6	1500	0	3
	Guernsey ...																	
6	Pembroke ...	10·0	-12	SW	6	cq	45	92	43	7	8	4	-	7·8	7·8	2500	0	4
7	Holyhead ...	09·9	-20	SW'S	6	fofo	43	97	41	5	6	2	-	9+	10	600	1	5
	Chester (Sealand)	08·9	-10	SSE	3	zo	41	65	29	6	5	7	-	4·6	9	2500	0	*
8	Manchester ...	09·6	-6	S'E	5	zo	39	65	29	6	5	4	-	4·6	4·6	5000	1	*
10	Spurn Head ...	11·2	-4	S	4	bc	35	75	28	6	7	4	1	2·3	4·6	4000	0	3
	Catterick ...	02·7	-10	S	3	cf+	39	75	32	3	5	7	-	4·6	7·8	3500	4	*
	Tynemouth ...	07·3	-12	S	3	m	39	75	31	4	5	-	-	7·8	7·8	1800	1	3
11	St. Abbs Head	02·6	-14	SSW	5	c/r	35	92	32	5	5	4	-	4·6	7·8	1500	1	3
	Leuchars ...	01·6	-8	SW	2	zo	37	85	34	6	8	-	-	1	1	3200	2	*
12	Renfrew (Abbots I.)	01·9	-16	SSW	3	zo	40	85	35	5	9	-	-	4·6	4·6	1500	1	*
	Eskdalemuir ...	04·0	-8	SSW	4	rs	34	97	34	4	-	2	-	10	10	4150	3	*
	Point of Ayre ...	04·3	-14	W'N	4	ifo	40	97	39	8	6	2	-	7·8	9	1800	1	4
13A	Tiree ...	96·6	-2	WSW	5	bc/ph	42	75	36	7	8	-	-	4·6	4·6	1800	0	4
13B	Stornoway ...	97·0	-40	SSW	6	rr	43	92	41	7	3	7	-	7·8	9	1600	1	5
15	Dalwhinnie ...	98·7	-20	SSW	4	ps	33	92	32	3	-	-	-	10	10	4150	6	*
	Aberdeen ...	00·1	-32	S'W	4	zo	36	92	34	6	6	-	-	2·3	2·3	1300	4	4
	Wick ...	95·6	-38	S	5	bc	39	85	35	7	5	-	-	4·6	4·6	4000	0	*
16	Sumburgh ...	98·0	-30	S'E	6	fofo	37	97	37	6	6	-	-	10	10	600	1	6
17	Blacksod Point	04·6	-4	W	5	c	45	65	34	8	8	-	6	2·3	7·8	4000		4
18	Malin Head ...	00·3	-4	WSW	4	phr	40	85	36	7	3	-	-	9	9	1500	1	4
	Aldergrove ...	03·8	-6	SW	3	bc	40	85	35	9	8	-	5	2·3	4·6	1800	1	*
19	Birr Castle ...	06·2	0	W	2	ir	42	92	40	7	6	2	-	7·8	10	800	1	*
20	Valentia Obsy.	07·4	-4	W'S	4	fofo	45	92	43	7	5	7	-	7·8	10	1500	1	3
	Roches Point	07·8	-6	W'S	4	c	46	85	42	8	3	3	3	4·6	7·8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 27th (39)	Weather. 13h.—18h. 27th (40)	Weather. 18h. 27th to 1h. 28th (41)	Weather. 1h.—7h. 28th (42)
1	London (Kew)	cmbczo	bzoz	bzmox	b, cmox
	Croydon ...	c	cmbz	bmxcmo	bcmxcmo
	S. Farnborough	cmo, b	byzo	bzocmo	cx, bcm
	Boscombe Down	bmoybcmo	bcmo	bcmox	bcmox
	Thorney Island	cbc	bcb	bcjfbmo	bbccmo
	Lympne ...	omo	omocmo	bcfmx	bcmox
	Manston ...	cmo	cmo	bccm	bcmmo
2	Shoeburyness ...	cmoo	omobmo		bmobcfx
	Felixstowe ...	omocmo	cmobmo	bcmbmx	bmxcmo
	Gorleston ...	cmo	bczo	bcbmox	bcmox
	Mildenhall ...	cmo	czobzo	bczobfx	cb, bzox
	Cranwell ...	cbmob	bcbmo	bmo, cmo	cifocmo
3	Birmingham ...	bz	b, bz		bccpro
	Upper Heyford	bcmczoy	bzoy	bczommo	bcmo
4	Ross-on-Wye	bmfzo	bcyzc	bcczbc	cbcc
5	Hartland Point	by	bccy	c	c
	Bristol ...	bffzy	bzoczoy	bczojbx	bccmo
	Portland Bill ...	bcbc	bcc	c	c
	Plymouth ...	bmbmo	bzo, czo	czoc	cbcc
	The Lizard ...	bc	bcc	bccw	cprc
	Scilly (St. Mary's)	bbcy	bccbc	bcc	cbcb
	Guernsey ...				
6	Pembroke ...	cqmo	cqzo	cq	c
7	Holyhead ...	bcxcmo	cifomo	cpro	cprorr
	Chester (Sealand)	bxbcmzo	cbczo	zomofofoc	cmofofoilo
8	Manchester ...	bbczy	bcbzo	cfofo	fofomo
10	Spurn Head ...	bc	bcmo	c	ofoomo
	Catterick ...	bcmc	cfcmcf	cmofomo	bcmocmoc
	Tynemouth ...	bccm	cm	cmpobmo	bbcm
11	St. Abbs Head	dcmoc	cmoifo	mobbc	bc
	Leuchars ...	cmoxcifomocfo	somofosocb	bccbc	bcbmox
12	Renfrew (Abbots I.)	mofofrr	cffcbc	prophbc	prphb
	Eskdalemuir ...	oismo	osfoso	rsfosc	cmo
	Point of Ayre ...	cifo	ffcifo	ifobcb	cfofo
13A	Tiree ...	cprsbc	cphrtbc	bcpbc	bccphr
13B	Stornoway ...	cpr	cprrs	cprrs	cRspr
15	Dalwhinnie ...	cso soo	ocps	*	oisbc
	Aberdeen ...	cxfoso	cfosobc	bcmo	bcbx
	Wick ...	ifocmofo	cifobc	bcfobc	bccpro
16	Sumburgh ...	cifforomo	cfofo	fofomomo	cprpr
17	Blacksod Point	cpr	c	c	cfofo
18	Malin Head ...	rrbc	cphr	c	pro
	Aldergrove ...	fofomofoc	profbc	bccprob	bxcxc
19	Birr Castle ...	cir	cff	*	ir
20	Valentia Obsy.	cff	fofo	cir	cfofo
	Roches Point	cpfc	cphrc	prc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 28th February

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Fresh southwest wind backing southand finally southeast, cloudy, slight rain locally; milder today but becoming rather cold again later.
5 S.W. England 6 South Wales 7 North Wales	Fresh south-southwest wind backing southeast or east; cloudy, rain at times, moderate temperature at first becoming rather cold later.
8 N.W. England	Moderate southwest wind becoming variable light; cloudy, rain at times, milder today, but becoming rather cold again later
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light or moderate west wind becoming northwest; cloudy, occasional rain; rather cold.
13A W. Scotland ... ▼ 13B N.W. Scotland ▼ 14 Mid Scotland ▼ 15 N.E. Scotland ▼	Strong squally northwest wind, gale locally at first moderating, variable cloud, showers of rain, sleet or snow; cold
16 Orkneys and Shetlands ▼	As 13A-15
17 N. W. Ireland 18 N. E. Ireland	As 8-12
19 S. E. Ireland 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

A deep depression to northward of Scotland will move away north-northeastand another depression off Southwest Ireland will move east-southeast. A trough of low pressure will become stationary over Ireland and South Scotland. Rain will occur in Ireland, North England and South Scotland and later today there will be rain in Southwest England. It will become temporarily milder in England today, but temperature is likely to fall again although not to such low levels as of late.

FURTHER OUTLOOK

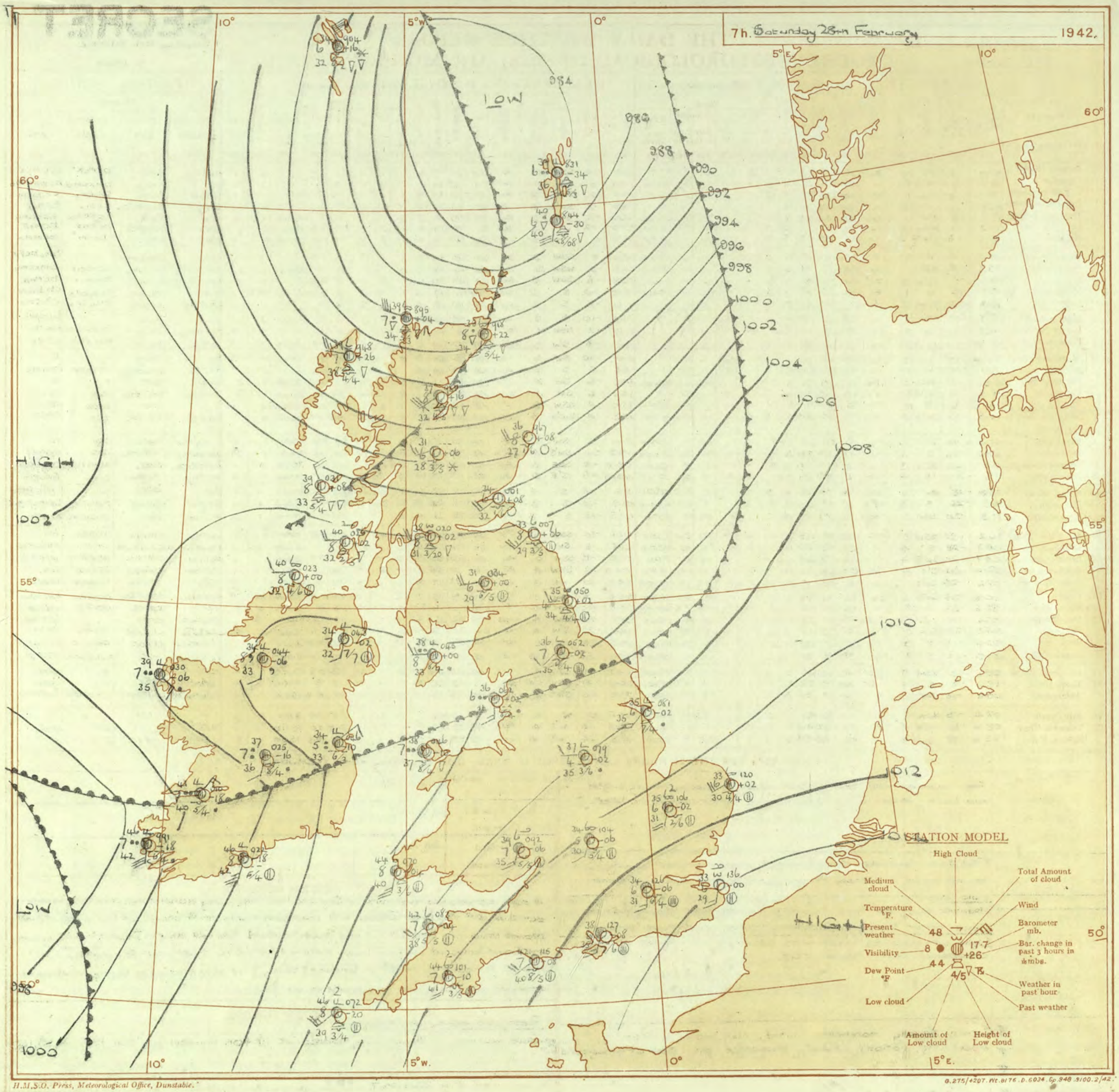
Rather cold mainly dry weather.

▼ Gale warning. Storm cone hoisted at 13.40h in districts 13A, 13B, 14, 15, 16.

Forecasts issued at 10.30 G.M.T.

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

7h. Saturday 28th February 1942.



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

B.275/4207. Wt.8176. D.6024. Gp.948. 3100. 2/42.

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).

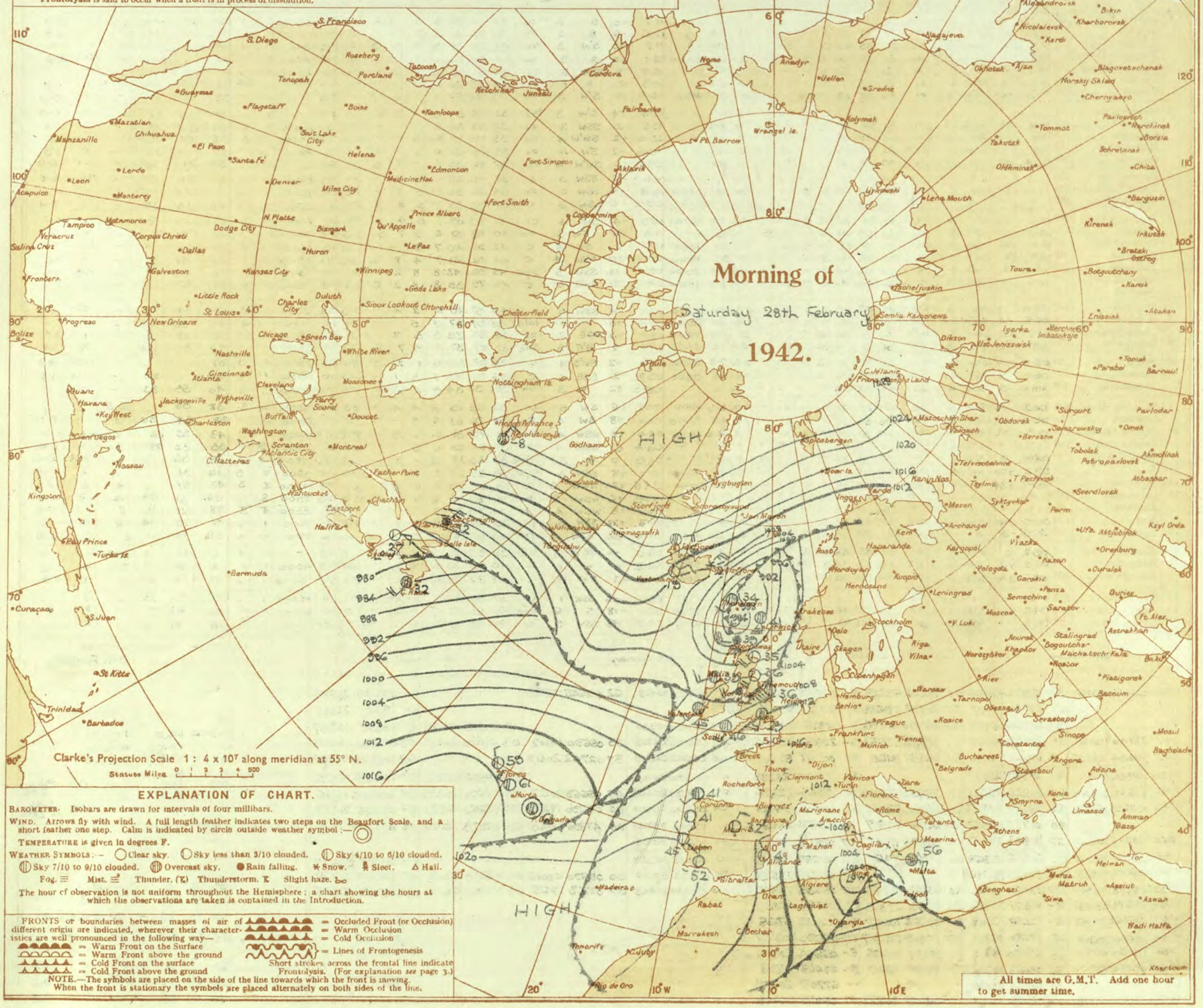
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Saturday 28th February 1942

No 29318

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Croydon	217	13·7	-2	SSW	3	m	29	97	28	+	-	-	2	0	7·8	-
	S. Farnborough	226	13·8	-2	SSW	3	zo	32	85	29	5	-	5	-	0	9+	-
	Boscombe Down	417	13·8	-6	SSW	3	zo	32	92	30	6	5	-	-	9+	9+	3000
	Thorney Island	10	14·5	-4	E	1	zo	31	97	30	6	-	-	1	0	Tr	-
	Lympne	346	16·0	-4	SSW	2	zo	31	85	27	5	-	-	6	0	4·6	-
	Manston	154	14·3	+6	SSW	3	m	30	92	28	4	5	-	-	9	9	4500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	14·0	-6	SW'S	2	m	31	97	31	4	-	-	5	0	2·3	-
	Gorleston	5	12·6	-14	SW	3	zo	30	85	27	6	-	-	-	0	0	-
	Mildenhall	19	12·1	-6	SSW	4	bc/f	32	75	26	4	-	7	-	0	4·6	-
	Cranwell	240	09·4	-10	SW	4	zo	35	75	28	5	-	7	-	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·1	-8	SSW	3	zo	33	85	29	5	5	-	-	9+	9+	2800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·1	-8	SW	4	c	43	75	34	7	5	6	-	4·6	7·8	1500
	Bristol	20?	12·9	-2	S	4	zo	39	85	24	6	-	7	9	0	9	-
	Portland Bill	32	13·2	-14	SW	4	c	41	92	38	7	5	2	-	7·8	10	2500
	Plymouth	82	11·9	-8	SW'S	4	c	45	85	40	8	7	-	-	9	9	4000
	The Lizard	240	12·0	-6	SW'S	4	c	45	92	43	8	8	7	-	4·6	7·8	2500
	Scilly (St. Mary's)	163	11·0	-8	SW'S	4	c	46	92	44	8	5	3	-	7·8	7·8	1500
	Guernsey	175															
6	Pembroke	142	09·0	-4	SW	5	cq	45	97	45	7	2	7	-	2·3	9+	2500
7	Holyhead	26	06·8	+4	SW'W	4	pr	42	92	40	8	8	-	-	10	10	2500
	Chester (Sealand)	16	07·7	-2	SSW	1	lolo	39	92	36	6	5	2	-	9	10	2600
8	Manchester	235	08·1	-2	S'E	4	ilo	36	92	34	6	5	2	-	4·6	10	2000
10	Spurn Head	29	08·4	-16	SSW	5	c	36	75	29	6	4	4	-	2·3	7·8	2500
	Catterick	175	06·1	-8	SE'S	3	c/r	36	92	35	5	5	-	-	7·8	7·8	3500
	Tynemouth	108	05·0	-2	SSW	4	zo	36	92	33	5	-	-	-	0	0	-
11	St. Abbs Head	280	00·3	-16	SSW	6	bc	37	85	32	7	4	4	-	2·3	2·3	1500
	Leuchars	36	99·2	-6	SW	5	bc	36	85	32	7	2	3	-	2·3	4·6	3000
12	Renfrew (Abbots I.)	19	01·3	+2	SW	4	bc	39	86	34	7	2	6	-	1	4·6	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	04·4*	-2	W*	4*	b*	37	85	34	8*	-*	-*	5*	0	Tr*	-*
13A	Tiree	22	99·2	+20	NW	4	bc	39	85	34	8	8	-	-	2·3	2·3	2500
13B	Stornoway	80	90·7	+34	W	6	RS	39	92	38	7	8	7	-	7·8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Wick	119	90·5	-10	S'W	6	bc	37	85	33	8	-	4	2	0	4·6	-
16	Sumburgh	30	90·5	-38	S	5	c	41	92	39	7	8	-	-	9+	9+	1200
17	Blacksod Point	18	05·2	0	W'N	1	c	38	85	34	8	5	-	6	4·6	7·8	2500
18	Malin Head	84	02·2	+12	SW	3	c	39	85	35	8	2	-	1	4·6	7·8	5700
	Aldergrove	268	04·7	+4	SW'S	3	b	34	92	32	8	5	-	5	Tr	1	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·2	-22	S'W	3	F/r	45	97	44	6	6	2	-	9	10	1500
	Roches Point	22	06·6	-10	WSW	3	pr	45	92	43	7	3	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 28th February — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	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)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	11·7	-10	S	2	zo	35	92	33	5	5	-	2	7·8	9+	1500	3	*	39	28	16	–	–	4·3
Croydon	12·6	-6	S	3	zo	34	92	31	6	5	-	-	9	9	1200	?	*	40	28	22	–	-	3·3
S. Farnborough	11·7	-10	S'W	3	zo	36	92	34	5	5	-	9	2·3	2·3	800	1	*	44	29	23	–	–	5·5
Boscombe Down	12·1	-10	S	3	zo	34	97	33	6	5	-	1	Tr	2·3	4000	3	*	42	27	22	–	Tr	3·8
Thorney Island	12·7	-8	SSW	3	zo	38	92	35	6	5	-	-	9+	9+	4000	0	*	41	25	15		–	*
Lympne	15·3	-2	S	1	zo	33	85	30	5	5	-	-	Tr	4·6	900	3	§4	32	28	20	–	–	0·0
Manston	13·6	0	S'W	3	zo	33	92	29	6	-	3	2	0	2·3	-	4	*	32	28	22	–	–	0·0
Shoeburyness	13·4	+4	S'W	3	bcf-	32	92	30	3	-	3	2	0	4·6	-	3	*	37	29	22	–	-	0·0
Felixstowe	12·5	-2	SSW	3	zo	32	92	30	5	5	-	-	9+	9+	4000	3	2	36	30	25	–	-	2·4
Gorleston	12·0	+2	SW'W	4	zo	33	85	30	6	5	7	-	4·6	7·8	1500	3	3	38	29	25	–	–	**
Mildenhall	10·6	-2	S'W	4	zo	35	85	31	6	5	7	6	1	9	4000	0	*	38		22	–	Tr	2·3
Cranwell	08·3	-2	SW'W	4	zo	37	92	35	6	-	7	6	0	9+	-	1	*	39	31	24	-	0·1	5·0
Birmingham	08·6	-4	SSW	3	c	37	92	35	6	5	7	-	4 6	9+	1500	1	*	41	30	28	–	Tr	6·8
Upper Heyford	10·4	-6	SSW	2	zo	34	85	30	5	5	7	-	7·8	9	1200	3	*	40	30	26	–	–	*
Ross-on-Wye	09·2	-6	SSW	3	c	39	85	35	7	5	4	1	7·8	9	2500	1	*	44	35	29	–	–	7·4
Hartland Point	08·3	-4	SW	4	c	42	85	38	7	5	4	-	7·8	9	2000	0	3	43	41	39	–	-	6·4
Bristol	11·3	-6	S'W	3	zo	40	85	37	6	5	7	5	2·3	7·8	2500	0	*	44	35	32	–	-	6·1
Portland Bill	11·5	-8	SW	4	c	42	92	40	7	5	-	-	10	10	2500	1	4	39	37	*	–	–	*
Plymouth	10·1	-10	SSW	4	c	44	92	41	7	4	7	6	2·3	9+	2500	0	3	44	41	35	–	-	7·2
The Lizard	08·7	-16	SSW	5	c/pr	45	92	43	8	8	2	-	9	10	1500	1	5	46	43	*	–	0·5	7·9
Scilly (St. Mary's)	07·2	-20	SW'S	5	c	46	75	39	8	8	2	6	2·3	7·8	1500	0	4	48	37	*	-	-	8·7
Guernsey																							
Pembroke	07·0	-4	SSW	5	c	44	97	40	8	2	4	-	2·3	7·8	3000	0	4	46	38	27	–	Tr	3·3
Holyhead	04·6	-10	-	0	lolo	38	97	37	7	5	-	-	10	10	1000	1	4	44	38	27	2	7	*
Chester (Sealand)	06·2	-10	SSE	2	zo	38	92	35	5	5	7	-	9	10	1500	1	*	48	37	31	–	1	3·4
Manchester	07·1	-2	S'E	3	lolo	37	97	37	4	5	7	-	2·3	10	2500	1	*	43	35	34	–	5	*
Spurn Head	08·1	-2	SW'S	4	c	35	97	35	6	1	2	-	9+	9+	1500	1	3	37		*	–	0·5	3·9
Catterick	05·2	-2	ESE	2	c	36	92	35	7	5	1	-	4·6	10	1800	1	*	39		29	–	0·4	1·8
Tynemouth	05·0	+12	W	3	m	35	97	34	4	2	3	-	4·6	7·8	1500	3	3	40	35	33	–	0·2	*
St. Abbs Head	00·7	+6	SW	5	bc	33	85	29	8	4	4	-	2·3	2·3	2500	0	3	38	33	*	0·3	–	*
Leuchars	00·1	+8	SW	4	zo	34	92	32	6	5	-	-	Tr	Tr	3000	3	*	38	34	30	2	–	0·0
Renfrew (Abbots I.)	02·0	+2	WSW	4	bc	38	75	31	8	2	3	-	2·3	4·6	2000	1	*	43	35	32	8	2	1·9
Eskdalemuir	03·4	0	WSW	4	c	31	92	29	6	5	-	-	9	9	2500	9	*	35	30	28	5	4	0·0
Point of Ayre	04·5	0	W	3	lolo	38	85	33	8	-	2	-	10	10	1800	1	2	45	35	*	2	0·3	0·5
Tiree	00·1	+8	NNW	4	c/pr	39	85	33	8	8	-	-	7·8	7·8	1500	0	5	44	37	*	2	2	2·2
Stornoway	94·8	+26	WNW	5	c	39	97	38	7	8	9	-	4·6	7·8	1500	2	3	43	37	*	4	3	1·5
Dalwhinnie	99·3	+6	WSW	3	bc	31	85	28	6	5	-	-	2·3	2·3	2500	8	*	36	31	28	4	3	1·7
Aberdeen	96·7	+8	WSW	4	b	36	65	27	8	5	-	-	Tr	Tr	3500	4	3	38	35	31	3	–	0·1
Wick	91·8	+22	SSW	5	pr	35	92	34	8	8	7	-	7·8	9	1500	1	*	41	35	34	Tr	0·6	*
Sumburgh	84·4	-30	SSW	6	pr	40	97	40	6	8	-	-	10	10	800	1	5	39	37	36	3	3	0·0
Blacksod Point	03·0	-6	SE'S	3	lolo	39	85	35	7	-	2	-	0	10	-	1	4	47	34	*	0·3	0·5	*
Malin Head	02·3	0	W	1	c	40	75	33	8	6	7	-	4·6	7·8	4000	1	4	43	36		0·3	3	0·0
Aldergrove	04·3	-2	S'W	1	c	34	92	32	7	-	2	-	9+	9+	5700	1	*	46	31	29	2	Tr	2·9
Birr Castle	02·5	-16	SSW	1	ir	37	97	36	7	5	-	-	10	10	1500	1	*	45	35	35	4	3	0·3
Valentia Obsy.	99·1	-18	S	6	lolo	46	85	42	7	6	2	-	9	10	1500	1	4	49	43	41	11	7	*
Roches Point	02·2	-18	SSW	5	c	46	85	42	8	6	2	-	7·8	9+	1500	1	5*	48	45	*	4	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$ C$_M$ (13h. G.M.T. 27th February)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (01h. G.M.T. 28th February)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
10952	02645	49468	50	05534	48464	53	05644	49625	5-	62648	55777
115			87	85834	10487	87	85835	89688	87	81735	93788
203			6-	86728	16778	30	88836	20886	21	10825	24688
20657	22746	19461	8-	02855	20685	2-	01853	53583	8-	25854	53684
21057	21654	24257	46	01862	16414	54	00961	51611	80	00951	53601
22030	02856	23516	80	25757	25687				80	27756	29286
2308-	22846	20266	61	26846	53688	13	25853	55583	8-	01844	22484
24552	68658	16678	80	05643	50473	54	00861	22362	53	00961	54401
260			80	01763	22563	5-	62766	22517	50	05674	22464
28852	52747	20368	27	00843	22363	04	00890	56401	57	02853	22328
27857	05654	50527	62	64545	51568	00	06751	17461	62	05657	18327
28353	05624	12515	2-	83526	26686				5-	05528	26628
28853	08473	16304	57	08462	14414	80	08463	18383	87	05653	18317
57887	25846	53487	8-	81845	21386	20	02841	22315	02	51890	16258
3015-	08468	14448	5-	62698	16468	8-	02654	10467	6-	62648	16368
32100	05590	16310	07	08490	16314	57	17465	54467	09	05590	20327
29000	05690	00000	50	47390	18313	50	05648	20228	5-	05654	20314
29200	08490	13300	50	08462	14314	5-	08457	16467	5-	08448	12228
310			--	02638	20328				--	67209	24179
61400	08490	13331	04	08490	16221	5-	08468	20228	51	05463	24265

IIIC$_L$ C$_M$ (13h. G.M.T. 27th February)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (01h. G.M.T. 28th February)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
3335-	05655	16428	62	62645	17528				8-	25648	20588
334									--	25547	24398
34000	05690	17314				02	62648	18468	5-	05557	14367
1365-	05658	24228	03	05690	16102	03	08490	20403	03	05690	20426
33054	05542	04313	57	02742	20417				62	62526	20468
35000	05690	19120				5-	05566	18426	57	05663	18326
36000	05690	20203	47	05663	20127	03	05690	20325	54	02666	16116
37900	05690	20100	00	05690	18214	50	05653	20323	5-	05648	20368
3905-	05645	28227	00	47390	18140	50	45273	15144	00	43390	15345
38200	05690	00000									
43802	03548	32328							8-	03557	22427
43050	05652	30112	00	05590	00002	00	05590	32113	57	05567	18328
40000	05690	18403	57	02763	17415	03	01790	16413	87	25745	16485

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

§ Sea disturbance reported from Dungeness.

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

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	Afternoon	Night
Kew	cmbcz$_0$	bz$_0$z	xm$_0$b,c
Croydon	c	cmbz	bcmxcm
Greenwich	c	cbmf	bmxcbc
Camden Square	o	o	*
Kensington	bcz	bcz	*
Hampstead	o	bcok	o

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·5 Time 19h on 27th. Min. 0·1 Time 3-5h on 28th.

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	39	28	16	–	–	4·3	*	*
Croydon	40	28	22	–	–	3·3	*	*
Greenwich	37	28	16	–	Tr	0·0	63	84
Westminster	40	31	26	–			67	89
Regents Park								
Camden Square	39	31	21	–	–	*	*	85
Kensington	40	29	21	–	–		64	86
Hampstead	38	29	23	–	–		*	92