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THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March,

1943

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

INTRODUCTION

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

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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29

Columns 13, 28. The figures in these columns indicate the amount of cloud at the height given in Columns 15, 30.
Columns 14, 29. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6 tenths; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies sky covered but with a few small openings.

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

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

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

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

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

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

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

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

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

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

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

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

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix $_o$ indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
< , less than (for cloud height).
↗ , gale.
⊕, Solar halo. ⓪, lunar halo. ⌓ Aurora.

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

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

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

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

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

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

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 30 to 40 feet above ground.
0	Calm	Calm; smoke rising vertically...	Less than 1
1	Light air ...	Direction of wind shown by smoke drift	1–3
2	Slight breeze ...	Wind felt on face; leaves rustle	4–7
3	Gentle breeze...	Leaves and small twigs in constant motion; wind extends light flag	8–12
4	Moderate breeze	Raises dust and loose paper; small branches are moved ...	13–18
5	Fresh breeze ...	Small trees in leaf begin to sway; crested wavelets on inland waters...	19–24
6	Strong breeze...	Large branches in motion; whistling heard in telegraph wires	25–31
7	Moderate gale...	Whole trees in motion; inconvenience felt when walking against wind	32–38
8	Fresh gale ...	Breaks twigs off trees; generally impedes progress... ...	39–46
9	Strong gale ...	Slight structural damage occurs (chimney pots and slates removed)	47–54
10	Whole gale ...	Seldom experienced inland; trees uprooted...	55–63
11	Storm	Very rarely experienced; accompanied by widespread damage	64–75
12	Hurricane ...	... ...	Above 75

GALE WARNINGS*

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

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

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

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

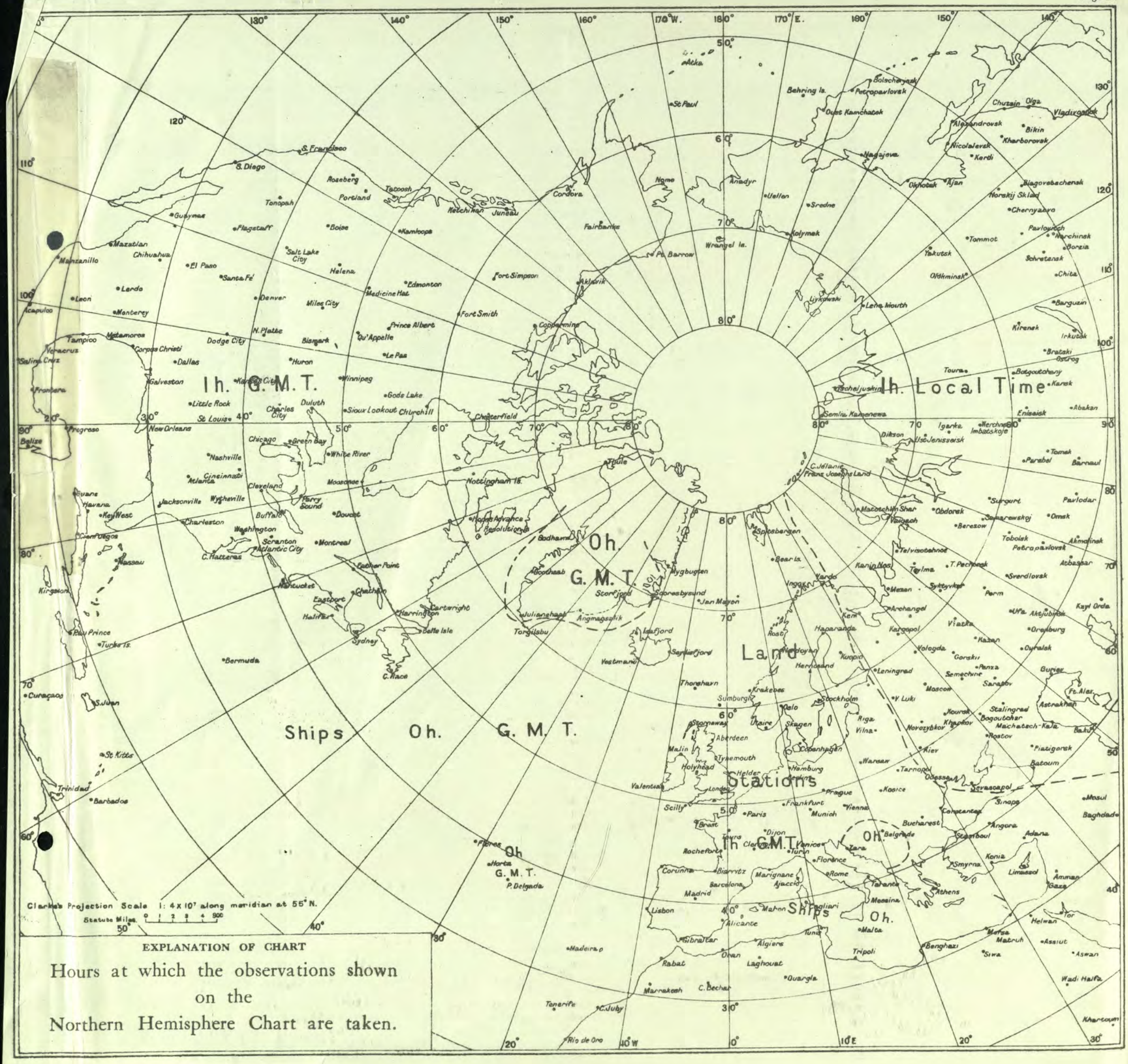
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

The districts to which warnings are sent are shown in the Report by the following symbols written on page 1 against the forecast districts to which they apply:—

▲ North Cone hoisted: ▼ South Cone hoisted:

The time or times of issue of the gale warning telegrams is shown below the "further outlook" on page 1 of the Report.

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

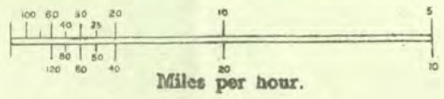
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 24 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb.; if, however, the isobars are ½ inch apart the corresponding speed is 48 m.p.h.

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

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

GEOSTROPHIC WIND SCALES

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



This scale applies under the following conditions :—

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

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

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

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

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

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

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

The entries in columns 7 and 22 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is from 0 to 19; 25, between 20 and 29; ..... .and so on; 92, from 90 to 94; 97 between 95 and 100.

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

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. Each feather denotes two steps on the Beaufort Scale; thus force 3 is indicated by two whole feathers and one half feather.

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

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (3rd Edition, 1939), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free.

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

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

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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

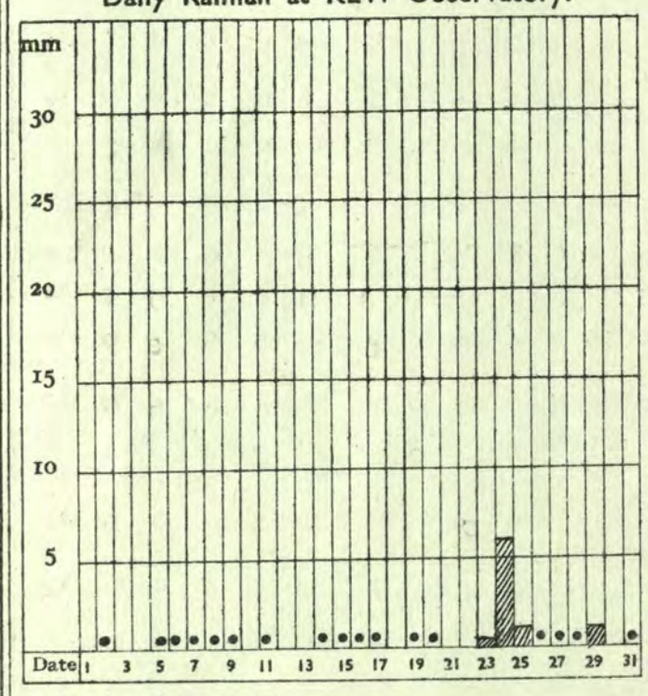
MONTHLY SUPPLEMENT,

March 1943 No. 315

Dry; mild and sunny.

Weather during the first two weeks of March was generally anticyclonic; any fronts which crossed the country were feeble and only produced appreciable rain in West Scotland and Ireland. Winds were generally westerly except in South England where easterlies were frequent. Gales were reported from extreme North Scotland on the 1st, 5th, 8th and 10th and from Northeast England on the 2nd; elsewhere, winds were light or moderate. From the 13th to 15th a Col persisted over Britain giving westerlies in the North and easterlies in the South, gales being again reported from North Scotland. There was also appreciable rain along the western seaboard. On the 16th a deep, extensive depression near Iceland caused pressure to fall over most of the Atlantic while high pressure persisted to northeast of Britain, finally extending to Iceland on the 24th. During this period winds were generally easterly, there were no gales and rainfall was negligible. On the 24th, fronts associated with a depression to south of the British Isles began to move north over the country and produced moderate falls of rain generally, on the 24th and 25th and slight falls on the 26th. A strong westerly gradient was established on the 27th which prevailed until the end of the month, causing a succession of fronts to cross the country, with associated bad weather. There was appreciable rain in all districts, but more particularly in Scotland where 23 mms at Eskdalemuir, 20mms at Renfrew and 30mms at Dalwhinnie on the 30th, were notable falls. The last two days of the month were marked by strong winds and gales generally. Rainfall for the month was 30-40mms below average at all stations with the exception of Renfrew and Stornoway which were 7 and 6mms below average respectively. Only 7mms were recorded at Croydon. It was generally a mild month, mean values being 2°F above average in Ireland, the Midlands and South England and 3°F above average in North England and Scotland. Day maxima were generally 2-3° above average and night minima were 1-2° above average. The 16th, 17th, 23rd, 24th and 30th were the warmest days, during which maxima of over 60°F were reported from several stations. The coldest nights occurred generally from the 10th to 17th during which minima between 26° and 30°F were reported. Eskdalemuir reported a minimum of 19°F on the 15th. Ross-on-Wye reported minima of 26°F on the 12th, 15th and 21st; the coldest nights since last November, at that station. In Ireland, Southeast Scotland, extreme Southwest England and the Thames estuary sunshine totals were somewhat below average, but elsewhere there were considerable excesses. Gorleston with 160hrs was 32, Ross-on-Wye with 150hrs was 34, and Sealand with 145hrs was 31 hrs above average. The 7th, 12th, 14th, 22nd, 23rd and 28th were the sunniest days, 9-10hrs of sun being reported from several stations, while the 3rd was the dullest day, when only four stations reported any sunshine. Ground frosts were frequent generally. Fogs occurred on 5-10 days in the South and Midlands; elsewhere they were rare.

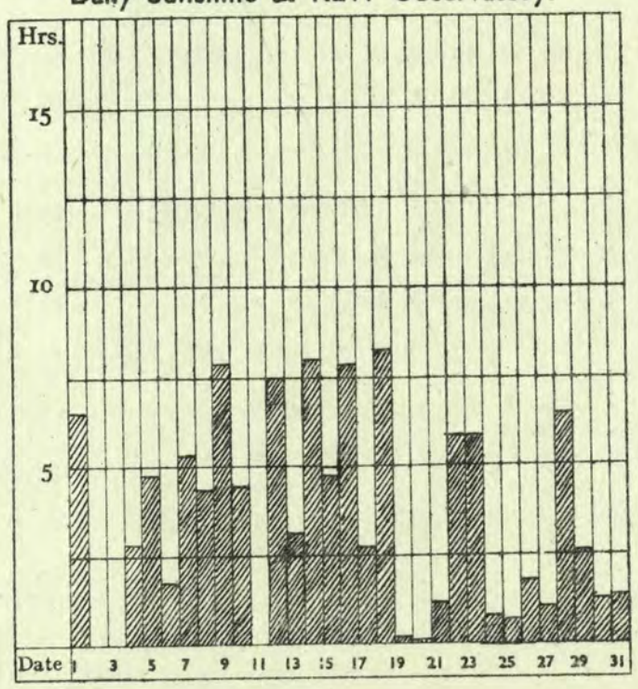
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

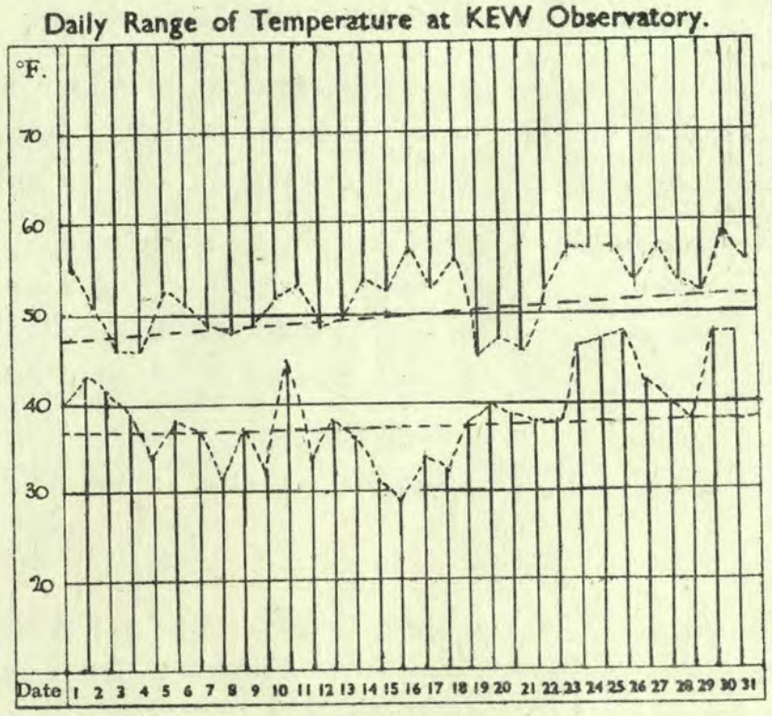
RAINFALL. Total for Month. 9 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month 109 hrs.

Daily Range of Temperature at KEW Observatory.



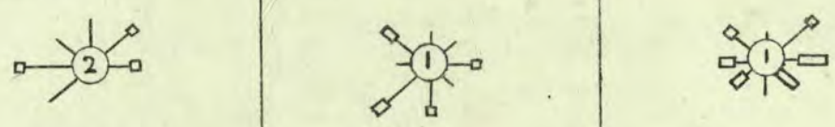
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb	mb.	°F.	°F.
Kew	1020.0	+6·6	45·6	+1·7
Aberdeen	1016·6	+7·3	44·8	+3·5
Valentia	1018·9	+6·2	48·0	+1·7

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

WIND FREQUENCIES at 7 hr.



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

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

	miles.
Kew ...	5,637
Aberdeen ...	6,590
Lerwick ...	16,932
Valentia ...	*

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 33°–41°	42°–50°	51°–59°	60°–68°	69°–77°	Average Maximum.	Minimum. 23° or below	24°–32°	33°–41°	42°–50°	51°–59°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	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.
							°F.						°F.	°F.		°F.		°F.		°F.																					
1	London ... (Kew Obsy).	0	10	21	0	0	50.3	0	5	17	9	0	37.5	59	30	45	19	48	31	29	16, 21	22	2	23	0	0	18	0	0	21	0	0	2	9	3	1	0	0	3	1	6
	Croydon ...	0	8	20	3	0	50.3	0	8	15	8	0	36.7	61	16, 23, 24	45	3, 15	49	31	28	15	16	9	15	0	1	17	1	2	17	0	0	4	5	11	3	0	0	3	2	8
	Thorney Island	0	4	26	1	0	48.6	0	5	19	7	0	38.4	60	30	48	3, 4, 20	50	31	27	16	16	5	15	0	2	16	0	2	13	0	0	1	0	6	7	0	0	0	2	20
	Lympne ...	0	16	15	0	0	47.7	0	8	18	5	0	36.2	58	25	45	3, 4, 19	47	25, 26	29	10	12*	5	7	1	5	18	0	7	9	2	0	1	3	1	8	0	0	0	0	14
2	Shoeburyness...	0	11	20	0	0	49.7	0	9	15	7	0	35.3	59	30	43	22	47	31	28	10, 17	18	3	15	0	3	19	0	1	17	0	0	3	2	8	1	0	0	2	1	13
	Gorleston ...	0	22	9	0	0	47.3	0	4	19	8	0	37.1	59	31	43	19	48	30	29	7	12	3	17	0	0	18	0	2	13	0	0	3	3	1	10	0	0	0	0	19
	Cranwell ...	0	9	20	2	0	49.3	0	11	14	6	0	34.3	60	16, 17	42	19	46	30	27	13, 16	17	8	13	0	1	19	0	2	15	0	3	3	2	1	5	0	0	0	1	8
3	Birmingham ... (Edgbaston)	1	12	17	1	0	48.5	0	4	19	8	0	36.1	60	30	40	19	46	2	30	12, 15	12	8	16	0	2	18	0	3	15	0	1	2	8	4	3	0	0	0	3	11
4	Ross-on-Wye...	0	10	21	0	0	50.0	0	8	14	9	0	36.4	59	17	45	3, 19	49	30	26	12, 15, 21	15	4	19	0	3	20	0	2	15	0	0	0	3	1	12	0	0	0	2	20
5	The Lizard ...	0	9	22	0	0	*	0	1	10	20	0	*	56	6	48	3, 4, 12	50	31	30	10	*	4	26	0	3	27	0	3	24	0	0	0	2	1	20	0	0	0	0	20
7	Holyhead ... (Valley)	0	14	16	1	0	48.0	0	7	11	13	0	40.3	60	23	45	4	47	30	28	12	11	3	18	1	2	23	0	2	18	1	0	3	1	3	14	0	0	0	0	17
8	Chester ... (Sealand)	0	11	10	2	0	49.7	0	7	11	13	0	35.5	62	16	41	13	49	30	27	14, 23	12	4	22	0	0	24	0	2	17	0	2	1	3	2	9	0	0	0	0	16
10	Tynemouth ...	0	18	13	0	0	46.9	0	2	17	12	0	37.7	57	17, 30	43	19	47	2	32	12, 15	6	2	20	0	3	23	0	2	24	0	0	1	0	7	12	0	1	1	2	15
11	Leuchars ...	0	15	16	0	0	47.4	0	3	19	9	0	35.1	57	16, 17	43	19	47	17	27	12	12	1	24	0	2	27	0	7	20	0	0	0	0	1	18	0	0	0	0	14
12	Renfrew ...	0	13	18	0	0	47.9	0	1	21	9	0	34.8	58	18	44	11, 19	47	2, 17, 18	30	12	6	3	28	0	4	25	0	2	26	0	0	0	1	2	12	0	0	0	0	15
	Eskdalemuir ...	1	20	10	0	0	45.3	2	7	20	2	0	31.8	57	6	40	19	45	18	19	15	12	9	21	0	3	27	0	9	17	0	0	2	1	3	16	0	1	0	0	23
13B	Stornoway ...	1	21	9	0	0	46.5	0	2	19	10	0	36.9	53	6, 18, 22	41	11	49	23	32	11, 12	*	0	29	0	1	27	0	1	24	0	0	0	0	0	25	0	0	0	0	29
15	Aberdeen ...	0	17	11	3	0	46.5	0	1	23	7	0	36.1	61	1	42	4	50	2	30	12	10	2	22	2	1	27	0	2	24	0	0	0	0	1	17	0	0	0	0	20
18	Aldergrove ...	0	16	15	0	0	48.6	0	3	18	10	0	36.8	57	30	44	11	46	17	27	12	12	6	23	0	2	27	0	2	24	0	0	1	0	4	13	0	0	0	0	18
19	Birr Castle ...	0	8	23	0	0	50.3	0	6	13	12	0	36.7	58	18, 23, 26	48	3	47	30	25	12, 14	11	2	24	0	2	25	0	2	23	0	0	0	2	0	29	0	0	0	0	31
20	Valentia ... (Cahirciveen)	1	5	25	0	0	50.8	0	3	5	20	3	41.8	58	18, 23	40	8	53	22	30	12	5	4	22	0	3	24	0	1	28	0	0	1	0	0	25	0	0	0	0	25

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	1730	39.2	39.9	62	38.3	62	42.4	31
850	4640	30.2	33.3	62	31.3	62	36.7	31
750	7860	21.5	25.2	62	23.7	62	28.6	31
650	11470	10.2	14.1	62	12.7	62	17.3	31
550	15570	-3.7	-0.1	62	-1.1	62	2.7	31

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	68	31	25	8	0	0	26	11	13	0	0	0	45	24	18	1	1	0	2	0	2	0	0	0	500 above ground.
1000 above M.S.L.	61	29	26	4	0	0	20	9	10	0	0	0	27	20	6	0	0	0	2	1	0	1	0	0	1000 above M.S.L.
2000 " "	46	16	24	3	0	0	14	9	5	0	0	0	14	7	6	0	0	0	1	1	0	0	0	0	2000 " "
3000 " "	25	10	14	1	0	0	10	5	5	0	0	0	7	4	3	0	0	0	1	0	1	0	0	0	3000 " "
4000 " "	12	9	2	1	0	0	5	3	2	0	0	0	3	2	1	0	0	0	1	1	0	0	0	0	4000 " "

* No reading for 19th.

† 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 ..... March 1943

SUNSHINE.

District.	Stations.	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.
1	London ... (Kew Obsy).	3	13	8	7	0	8·3	18	1508	+39	109	+1	1880	183	1907	59	1888, 1916
	Croydon ...	3	11	5	11	1	9·2	12	1640	+115	127	+5	1922	187	1933	81	1936
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	3	7	8	10	3	9·8	17	1721	−44	159	+12	1921	207	1938	102	1922
2	Shoeburyness ...	3	14	5	8	1	9·3	12	1691	−25	114	−26	1919	197	1933	93	1919
	Gorleston ...	4	5	9	6	7	10·2	12, 23	*1460	*	160	+32	1908	186	1933	68	1916
	Cranwell ...	4	7	10	10	0	8·8	12	1648	+110	134	+13	1921	175	1933	62	1936
3	Birmingham ... (Edgbaston)	4	11	8	7	1	9·6	15	1409	+105	105	+9	1887	212	1893	44	1900
4	Ross-on-Wye ...	3	8	5	12	3	10·0	14	1556	+71	150	+34	1915	188	1929	62	1916
5	Falmouth ... (Observatory)	3	12	6	5	5	9·6	6, 14, 15	1625	−85	126	−10	1881	209	1893	60	1886
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	219	1929	52	1936
8	Chester ... (Sealand)	3	8	6	12	2	9·4	28	1552	+176	145	+31	1923	191	1929	50	1942
10	Tynemouth ...	*	*	*	*		*	*	*	*	*	*	1935	*	*	*	*
11	Leuchers ...	6	9	5	8	3	9·7	14, 27	1662	+192	116	−5	1922	187	1929	50	1928
12	Renfrew ...	8	8	7	7	1	9·5	14	1232	+39	108	+14	1921	124	1933	39	1936
	Eskdalemuir ...	8	8	7	7	1	9·6	23	1260	+59	104	+5	1910	185	1929	44	1936
13B	Stornoway ...	2	13	9	6	1	9·3	23	1144	−71	113	+2	1881	172	1911	55	1938
15	Aberdeen ...	8	10	3	8	2	10·2	11	1372	+43	112	+3	1881	190	1894	45	1909
18	Aldergrove ...	9	5	9	8	0	8·5	13, 14	1339	+13	102	−9	1927	181	1929	71	1936
19	Birr Castle ...	4	14	7	6	0	9·0	18	1244	−162	97	−14	1881	192	1929	63	1900
20	Valentia ... (Cahirciveen)	8	10	4	6	3	9·9	18	*	*	105	−11	1880	197	1929	70	1903

RAINFALL.

District.	Stations.	‡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).	27	2	1	1	0	0	6	24	618	+12	9	−34	1856	113	1862	1	1929	0	0
	Croydon ...	27	3	1	0	0	0	5	24	774	+95	7	−45	1921	83	1940, 1937	2	1929	0	0
	Thorney Island **	27	1	2	1	0	0	12	24	677	−16	16	−32	1881	120	1914	3	1929	0	0
	Lympne ...	23	5	2	1	0	0	6	24	671	−43	13	−41	1920	91	1927, 1937	4	1935, 1929	0	0
2	Shoeburyness ...	26	4	0	1	0	0	6	24	533	+30	9	−25	1920	75	1942	1	1929	0	0
	Gorleston ...	25	4	1	1	0	0	6	28	619	−3	11	−33	1871	95	1914	3	1929	0	0
	Cranwell ...	25	3	2	1	0	0	6	25	566	−24	11	−25	1917	88	1941	7	1931, 1938	0	0
3	Birmingham ... (Edgbaston)	23	5	2	2	0	0	9	23	720	+46	24	−25	1893	118	1903	4	1929	0	0
4	Ross-on-Wye ...	26	2	0	3	0	0	12	25	711	−8	27	−25	1859	137	1913	1	1938	0	0
5	Falmouth ... (Observatory)	21	5	4	1	0	0	5	29	975	−132	19	−69	1871	212	1914	8	1938	0	0
7	Holyhead (Valley)	19	3	8	1	0	0	7	31	848	−39	26	−40	1871	180	1920	12	1926	0	0
8	Chester ... (Sealand)	21	6	3	1	0	0	8	25	596	−42	22	−22	1922	89	1927	4	1929	0	0
10	Tynemouth ...	24	5	1	1	0	0	13	25	493	−128	18	−28	1915	90	1937	6	1938	0	0
11	Leuchers ...	21	7	2	1	0	0	11	25	520	−133	20	−30	1922	81	1928	10	1929	0	0
12	Renfrew ...	18	0	9	3	1	0	20	30	1089	+150	64	−7	1921	143	1921	20	1929	0	1
	Eskdalemuir ...	15	3	11	1	1	0	23	30	1508	+79	60	−65	1910	225	1921	26	1924	0	4
13B	Stornoway ...	12	5	6	8	0	0	12	31	1226	+25	86	−6	1870	205	1903	23	1880	0	2
15	Aberdeen ...	26	0	4	1	0	0	9	25	607	−141	18	−43	1871	125	1876	5	1929	0	0
18	Aldergrove ...	14	8	8	1	0	0	5	29	868	+30	25	−39	1926	122	1940	10	1929	0	0
19	Birr Castle ...	18	10	8	0	0	0	3	3, 23	928	+101	20	−41	1862	155	1903	12	1925	0	0
20	Valentia ... (Cahirciveen)	14	8	8	1	0	0	8	28	*971	−	32	−83	1866	276	1884	25	1925	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	0	0	3	3	13	10	2	0	0
Ross-on-Wye ...	0	0	1	2	10	4	12	2	0	0
Falmouth (Obsy.)	2	3	10	11	4	1	0	0	0	0
Renfrew ...	0	0	5	10	11	5	0	0	0	0
Eskdalemuir ...	1	0	3	8	7	9	3	0	0	0
Aberdeen ...	0	0	2	4	4	10	6	5	0	0
Valentia ...	0	3	3	11	7	6	1	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) ...	1	30	0	0	0	0	0	0	0	0
Ross-on-Wye ...	18	13	0	0	0	0	0	0	0	0
Renfrew ...	8	21	2	0	0	0	0	0	0	0
Eskdalemuir ...	15	15	1	0	0	0	0	0	0	0
Aberdeen ...	25	6	0	0	0	0	0	0	0	0
Valentia ...	0	31	0	0	0	0	0	0	0	0

CODE for State of Ground.

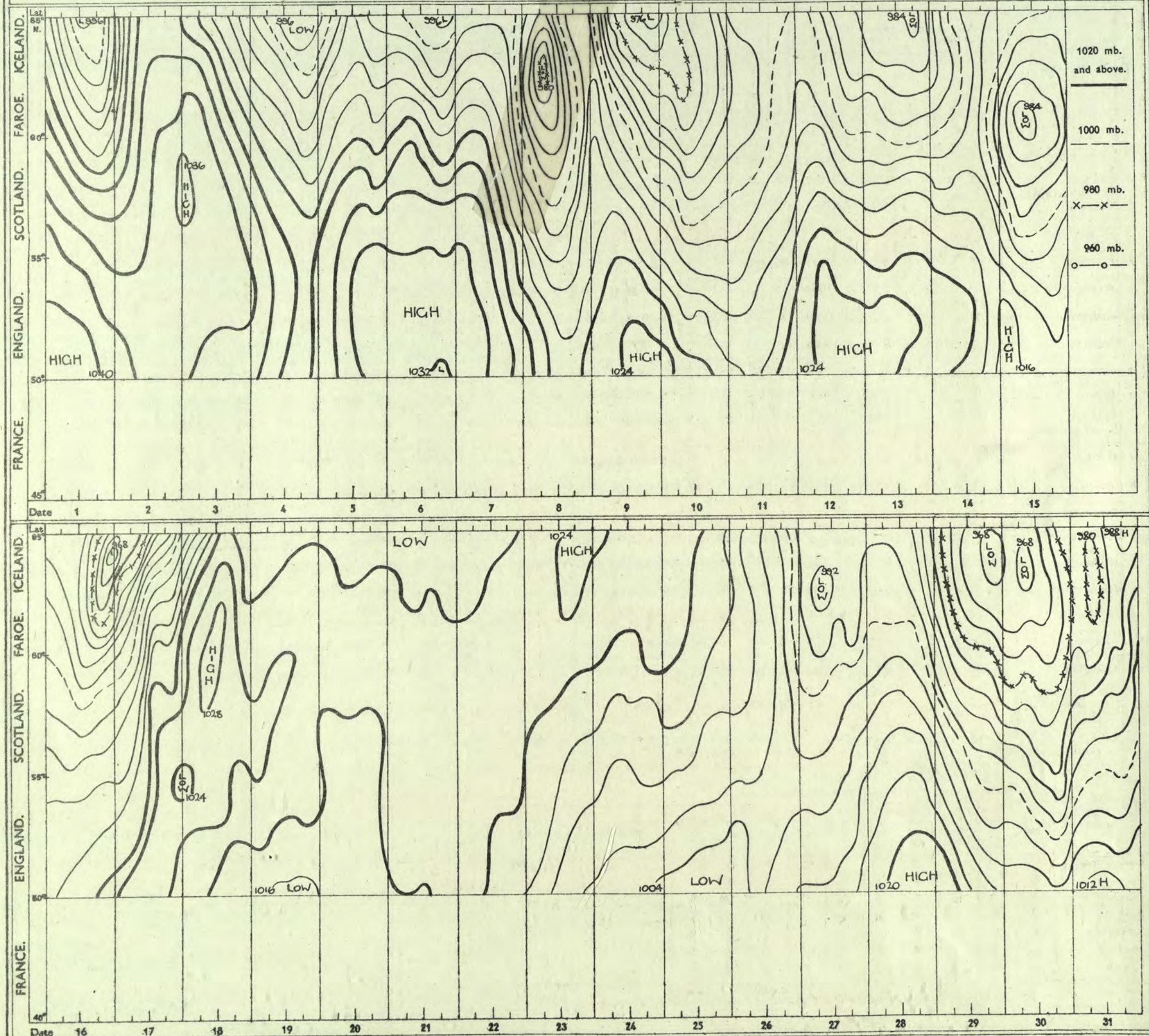
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than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

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

‡ 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 ..... March ..... 1943.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44½° N., Long. 4° E., in the south

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

Pr. 497/4449. Wt. 8089. D. N545. Gp. 848/6. 330. 4/43

SECRET

Page 1

BRITISH SECTION

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

Monday 1st March, 1943.

No. 29684.

OBSERVATIONS at 13h. G.M.T. 28th 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)	39·1	+4	WSW	2	z_0	48	65	36	6	5	–	–	9+	9+	2500
	Croydon ...	39·1	−2	WSW	2	z_0	49	65	37	6	5	–	–	4-6	4-6	7000
	S. Farnborough	39·8	+2	W	3	bc	49	55	35	8	7	–	–	4-6	4-6	3500
	Boscombe Down	40·2	+6	NW'N	2	c	47	65	36	7	5	–	–	9+	9+	3000
	Thorney Island	39·1	0	W'N	2	b-bc	51	65	43	8	1	–	–	2-3	2-3	4000
	Lympne ...	38·8	−2	WSW	2	z_0	49	69	37	6	–	–	–	0	0	–
	Manston ...	38·2	−6	NW	2	z_0	49	65	38	6	5	–	–	Tr	Tr	4000
2	Shoeburyness ...	38·4	0	WSW	2	z_0	49	65	37	6	–	–	–	0	0	–
	Felixstowe ...	37·7	−2	WNW	3	z_0	49	75	40	6	5	–	–	4-6	4-6	4000
	Gorleston ...	36·0	−8	WNW	3	b	52	75	44	7	–	–	–	0	0	–
	Mildenhall ...	37·8	+2	W'S	4	c-bc	52	65	41	7	5	–	–	7-8	7-8	2500
	Cranwell ...	37·0	+2	WNW	4	z_0	52	65	39	6	5	–	–	4-6	4-6	4500
3	Birmingham ...	39·2	+8	WNW	3	z_0	46	75	39	6	5	–	–	9+	9+	2500
	Upper Heyford	38·7	+4	NW'W	3	c	48	79	39	7	5	–	–	10	10	2800
4	Ross-on-Wye	39·4	+10	N'W	2	c	49	65	39	8	5	–	–	10	10	3000
5	Hartland Point	40·7	+10	N	3	o	47	75	40	8	5	–	–	10	10	3500
	Bristol ...	40·3	+6	NW'N	2	c	47	75	39	6	5	–	–	9+	10	4000
	Portland Bill ...	40·1	+2	E	2	c	49	85	45	8	4	–	–	10	10	4000
	Plymouth ...	40·7	+6	NNE	3	c	49	65	39	7	5	–	–	9+	9+	3000
	The Lizard ...	40·7	+16	NE	2	o	48	75	39	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	41·2	+14	NNE	2	c	48	65	38	8	5	–	–	10	10	1500
	Guernsey ...															
6	Pembroke ...	41·2	+14	NW'N	3	c	48	85	44	8	5	–	–	10	10	2800
7	Holyhead (Valley)	39·9	+8	W'S	2	c	48	75	43	8	5	–	–	10	10	3000
	Chester (Sealand)	38·8	+6	WNW	4	o	50	65	39	8	5	–	–	4-6	10	2500
8	Manchester ...	38·7	−8	W	4	z_0	47	85	42	6	5	–	–	10	10	2000
10	Spurn Head ...	36·4	+10	WNW	5	c-bc	47	75	39	6	7	–	–	7-8	7-8	2500
	Catterick ...	36·4	+10	W	3	c-bc	53	65	40	8	5	–	8	7-8	7-8	3000
	Tynemouth ...	34·1	+12	W	5	c-bc	52	68	40	7	2	3	–	4-6	7-8	2200
11	St. Abbs Head	21·3	+22	W	4	c	51	45	37	8	5	–	–	9+	9+	2900
	Leuchars ...	30·1	+10	W	5	c	56	45	37	8	1	7	7	4-6	10	3000
12	Renfrew (Abbots I.)	33·2	+2	W	4	c/d	51	85	47	8	8	6	2	4-6	9	2500
	Eskdalemuir ...	33·8	0	W'S	4	c	48	85	43	8	5	–	–	10	10	1200
	Point of Ayre...	37·5	+6	W'N	5	c	51	85	45	8	5	–	–	9+	9+	4000
13A	Tiree	34·8	+10	WNW	3	b-bc	49	75	43	8	1	5	1	Tr	2-3	2000
13B	Stornoway ...	32·3	+20	WSW	4	c	46	92	44	8	5	–	–	7-8	9	3500
15	Dalwhinnie ...	32·6	+28	W	4	bc	47	85	43	8	8	3	–	2-3	4-6	2500
	Aberdeen ...	30·4	+40	NW	5	c-bc	51	55	33	8	7	–	2	1	7-8	3000
	Wick ...	26·8	+24	WNW	8	c	46	75	36	8	2	4	6	2-3	9+	2000
16	Sumburgh ...	21·7	+38	W'N	9	bc	44	75	36	8	2	–	–	4-6	4-6	2000
17	Blacksod Point	38·5	+2	SW	4	id_0	51	92	49	7	6	2	–	7-8	10	1500
18	Malin Head ...	38·9	+10	WNW	3	c	49	92	47	7	8	2	–	7-8	10	800
	Aldergrove ...	37·7	+2	WSW	3	c	49	85	45	8	5	–	–	9+	9+	2800
19	Birr Castle ...	40·0	+2	W	2	c	51	75	43	8	5	1	–	7-8	9+	2500
20	Valentia Obsy.	41·9	+4	W	2	c	50	79	42	9	7	–	–	9+	9+	2500
	Roches Point	41·7	+2	WNW	1	c	48	85	44	8	5	–	–	9+	9+	2500

OBSERVATIONS at 18h. G.M.T. 28th 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)	39·6	+10	N'W	2	z_0	48	65	38	5	5	–	–	10	10	2500	1	*
	Croydon ...	39·3	−2	NW	2	m	47	75	38	4	5	–	–	10	10	2200	0	*
	S. Farnborough	39·9	+8	W'S	2	z_0	46	75	38	6	5	–	–	10	10	4000	0	*
	Boscombe Down	39·9	+2	NW'N	1	z_0	45	75	38	6	5	–	–	9+	10	2500	0	*
	Thorney Island	39·6	+4	NW	1	c-bc	45	75	36	7	5	–	–	7-8	7-8	2500	0	*
	Lympne ...	39·2	+6	W	1	m	42	85	37	4	–	–	–	0	0	–	0	§1
	Manston ...	38·8	+6	NW'W	1	m	46	85	40	4	5	–	–	9+	9+	2500	1	*
2	Shoeburyness ...	38·6	+6	NW	2	z_0	47	75	40	5	5	–	–	10	10	2500	1	*
	Felixstowe ...	38·3	+6	W	2	z_0	48	75	42	5	5	–	–	9+	9+	2900	0	2
	Gorleston ...	37·6	+12	NW'W	2	z_0	47	75	40	5	–	–	–	0	0	–	0	2
	Mildenhall ...	38·7	+14	W'N	3	z_0	48	85	40	6	5	–	–	4-6	4-6	4000	0	*
	Cranwell ...	38·4	+12	NW	2	z_0	46	75	39	6	–	–	9	0	9+	–	0	*
3	Birmingham ...	40·0	+6	NW	3	z_0	47	75	40	6	5	–	–	10	10	2500	1	*
	Upper Heyford	39·4	+10	NNW	3	z_0	48	85	39	5	5	–	–	10	10	2200	0	*
4	Ross-on-Wye	40·3	+14	N'W	2	c	48	65	39	8	5	–	–	9+	9+	2500	1	*
5	Hartland Point	40·7	+4	NNW	3	c	47	85	42	8	5	1	–	7-8	9	2000	0	2
	Bristol ...	40·5	+10	W	1	fg	47	85	42	6	5	–	–	9+	9+	4000	1	*
	Portland Bill ...	39·5	−2	NW	2	c	47	85	43	8	5	–	–	10	10	4000	1	2
	Plymouth ...	40·9	+6	NE	2	c	47	75	40	8	5	–	–	9+	9+	3500	0	1
	The Lizard ...	40·6	+4	NE	2	o	47	75	40	8	5	–	–	10	10	1200	0	2
	Scilly (St. Mary's)	41·3	+6	—	0	c	48	75	42	8	5	–	–	9+	9+	1600	0	2
	Guernsey ...																	
6	Pembroke ...	41·7	+4	NW	2	c	47	92	45	8	5	–	–	9+	9+	3000	0	2
7	Holyhead (Valley)	40·0	+12	WSW	2	c	49	85	44	8	5	–	–	10	10	3000	0	*
	Chester (Sealand)	39·8	+16	NW	2	c	49	75	40	8	6	–	–	10	10	3000	0	*
8	Manchester ...	39·3	+14	W	2	c	47	85	43	7	5	–	–	10	10	4000	1	*
10	Spurn Head ...	37·3	+10	W'N	3	bc	47	75	39	7	7	4	–	4-6	4-6	4000	0	1
	Catterick ...	37·9	+6	W	1	bc	48	85	43	7	5	7	–	4-6	4-6	2500	0	*
	Tynemouth ...	38·5	+10	W	4	c-bc	50	75	42	6	8	–	–	7-8	7-8	2500	0	2
11	St. Abbs Head	33·3	+14	WNW	5	c	48	75	41	7	5	7	–	7-8	9	3500	0	3
	Leuchars ...	34·6	+28	WNW	3	c	49	55	34	8	5	3	7	Tr	9+	2500	0	*
12	Renfrew (Abbots I.)	36·6	+22	W	4	c-bc	47	65	36	8	4	9	5	2-3	7-8	2000	1	*
	Eskdalemuir ...	36·1	+14	NNE	2	bc	46	65	36	8	5	7	–	2-3	4-6	2800	1	*
	Point of Ayre...	38·3	+12	W'N	4	c	50	85	46	8	8	–	–	9+	9+	3000	0	3
13A	Tiree	37·1	+14	WNW	3	c	46	85	41	8	5	3	6	2-3	9	5700	1	3
13B	Stornoway ...	34·4	+18	WSW	3	c-bc	43	92	41	8	5	7	9	2-3	7-8	3000	1	2
15	Dalwhinnie ...	35·0	+16	W	3	c	43	65	41	8	7	7	–	7-8	9+	2500	0	*
	Aberdeen ...	33·4	+26	WNW	2	c	47	55	32	7	5	–	7	7-8	10	3000	0	2
	Wick ...	31·2	+10	W'N	3	c	43	65	33	8	8	7	–	4-6	9	2000	0	*
16	Sumburgh ...	25·0	+20	W'N	8	bc/pr	44	75	36	8	2	6	1	4-6	4-6	2000	1	6
17	Blacksod Point	39·9	+14	W	2	id_0	50	97	49	7	6	2	–	4-6	10	800	1	2
18	Malin Head ...	38·0	+14	WNW	2	c	47	85	43	8	8	–	–	9	9	2500	1	3
	Aldergrove ...	38·8	+14	SW	2	c	49	85	45	8	5	–	–	9	9	2000	1	*
19	Birr Castle ...	40·7	+8	W	2	c	50	85	45	8	5	–	–	7-8	9+	2500	1	*
20	Valentia Obsy.	42·2	+6	W	1	c	50	85	45	9	5	–	–	9+	9+	2500	1	1
	Roches Point	41·9	+8	N	1	c	50	92	48	8	8	–	–	9+	9+	2500	1	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 28th. (39)	Weather. 13h.—18h. 28th (40)	Weather. 18h. 28th to 1h. 1st. (41)	Weather. 1h.—7h. 1st (42)
1	London (Kew)	m_0 fwcz$_0$	cz$_0$	bcm$_0$	bcm$_0$w
	Croydon ...	cm$_0$bcz$_0$	bcz$_0$cz$_0$	cfcm	
	S. Farnborough	cm$_0$fbc	bcycycm$_0$cm$_0$		cmbcmcm$_0$
	Boscombe Down	cm$_0$c	ccz$_0$c	cz$_0$cbcom	cmcmw
	Thorney Island	bm$_0$b	bbc	bcbmcm$_0$	cmbm$_0$
	Lympne ...	bm$_0$bz$_0$	bz$_0$	bz$_0$fom	omcmw
	Manston ...	bmcfbz$_0$	bbczoz	cmbcm	bmcm
2	Shoeburyness ...	cm$_0$bz$_0$	bz$_0$cz$_0$	cz$_0$	bcmw
	Felixstowe ...	cm$_0$bcm$_0$	bcz$_0$cz$_0$	czbcmcm	bmcm
	Gorleston ...	bz$_0$b	bz$_0$	bccz$_0$	bbcm
	Mildenhall ...	cbcm$_0$c	ccm$_0$bcm$_0$	bcmbmcm	bcmx
	Cranwell ...	bz$_0$	bz$_0$bczcz$_0$	czbcmbm$_0$	bmcmw
3	Birmingham ...	cbcc	cz	cbc	bcz
	Upper Heyford	c	c	cbm$_0$cm$_0$	cbmbcm$_0$
4	Ross-on-Wye	c	cz$_0$	cc	cbc
5	Hartland Point	co	coc	c	c
	Bristol ...	cm$_0$fg,cz$_0$	cz$_0$	cmcfbfm$_0$	cm$_0$
	Portland Bill ...	bcc	c	bcc	oc
	Plymouth ...	cmcm$_0$c	o	cbcm$_0$cm$_0$	cm$_0$
	The Lizard ...	o	o	cbcco	o
	Scilly (St. Mary's)	c	c	cbcc	c
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead (Valley)	c	c	cbcb	bbcw
	Chester (Sealand)	c	c	bcbbc	bcm$_0$
8	Manchester ...	ccm$_0$	cm$_0$z$_0$m$_0$	cm$_0$	cmm$_0$
10	Spurn Head ...	cm$_0$	c	b	bcm$_0$
	Catterick ...	c	cbc	bbm$_0$	bm$_0$c
	Tynemouth ...	cq	c	cbcb	bbco
11	St. Abbs Head	bcc	c	cbc	bc
	Leuchars ...	bccqy	bbccyq	cbbcc	c
12	Renfrew (Abbots I.)	cir$_0$	cbcc	bm$_0$bcm$_0$	bcm$_0$cm$_0$
	Eskdalemuir ...	c	cbc	bc	bcc
	Point of Ayre...	c	c	bcbw	bbcw
13A	Tiree	cbc	bcc	bbc	bcodd$_0$
13B	Stornoway ...	cbcc	cpr$_0$cbc	bcpr$_0$bcc	ccid$_0$
15	Dalwhinnie ...	cbc	bcc		c
	Aberdeen ...	bccprcyq	cqy	cybcc	cz$_0$
	Wick ...	cbcc	bcc	bcc	ccprc
16	Sumburgh ...	cbc	bcprbcy	bccpr$_0$	bcprcrr
17	Blacksod Point	d	d	d	d
18	Malin Head ...	d	c	c	d
	Aldergrove ...	c	cid$_0$c	cbccwm	cmbfcm
19	Birr Castle ...	c	c		d
20	Valentia Obsy.	pr	c	r	d
	Roches Point		c	c	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light westerly winds; mainly cloudy but fine periods; fog patches night and morning; mild.
4 W. Midlands 5 S.W. England South Wales	Light variable winds; cloudy; mild.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light westerly winds; mainly cloudy; slight local drizzle at first; mild.
10 N.E. England 11 S.E. Scotland	Light or moderate southwest to west winds; fair to cloudy; mild.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland ↓ 14 Mid Scotland	Freshening southwest to west winds, perhaps gale locally on coasts later; cloudy; occasional rain; mild.
15 N.E. Scotland ↓	Westerly winds becoming strong to gale locally;
16 Orkneys and Shetlands ↓	Mainly cloudy with intermittent rain; mild.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light or moderate west winds; cloudy; slight local rain or drizzle; mild.

GENERAL INFERENCE

An extensive anticyclone is centred just southwest of the British Isles; a wedge of high pressure is moving east across Scotland and will be followed later by weak troughs of low pressure. Weather will be cloudy in Northern Ireland and Scotland with occasional rain. Weather will be cloudy in Wales and western districts of England but there will be considerable fine areas in the east; winds will become strong to gale, in North Scotland; a few fog patches will develop in the South tonight; mild generally.

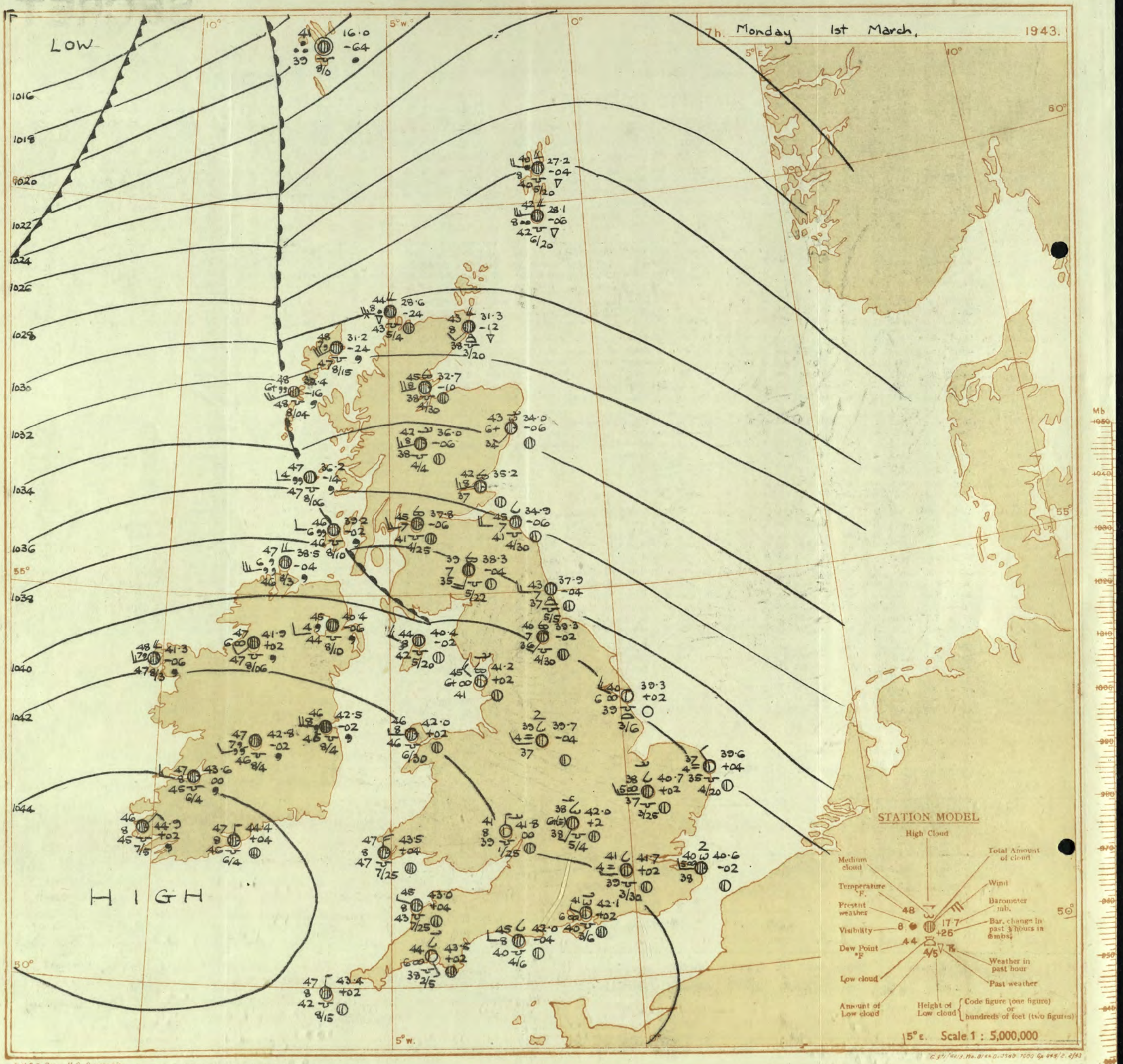
FURTHER OUTLOOK

Generally fair and mild. Becoming quieter in North.

↓ Gale warning in operation in districts 13B, 15, 16, Issued at 0810 G.M.T. 1st March, 1943.

Forecasts issued at 10-30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

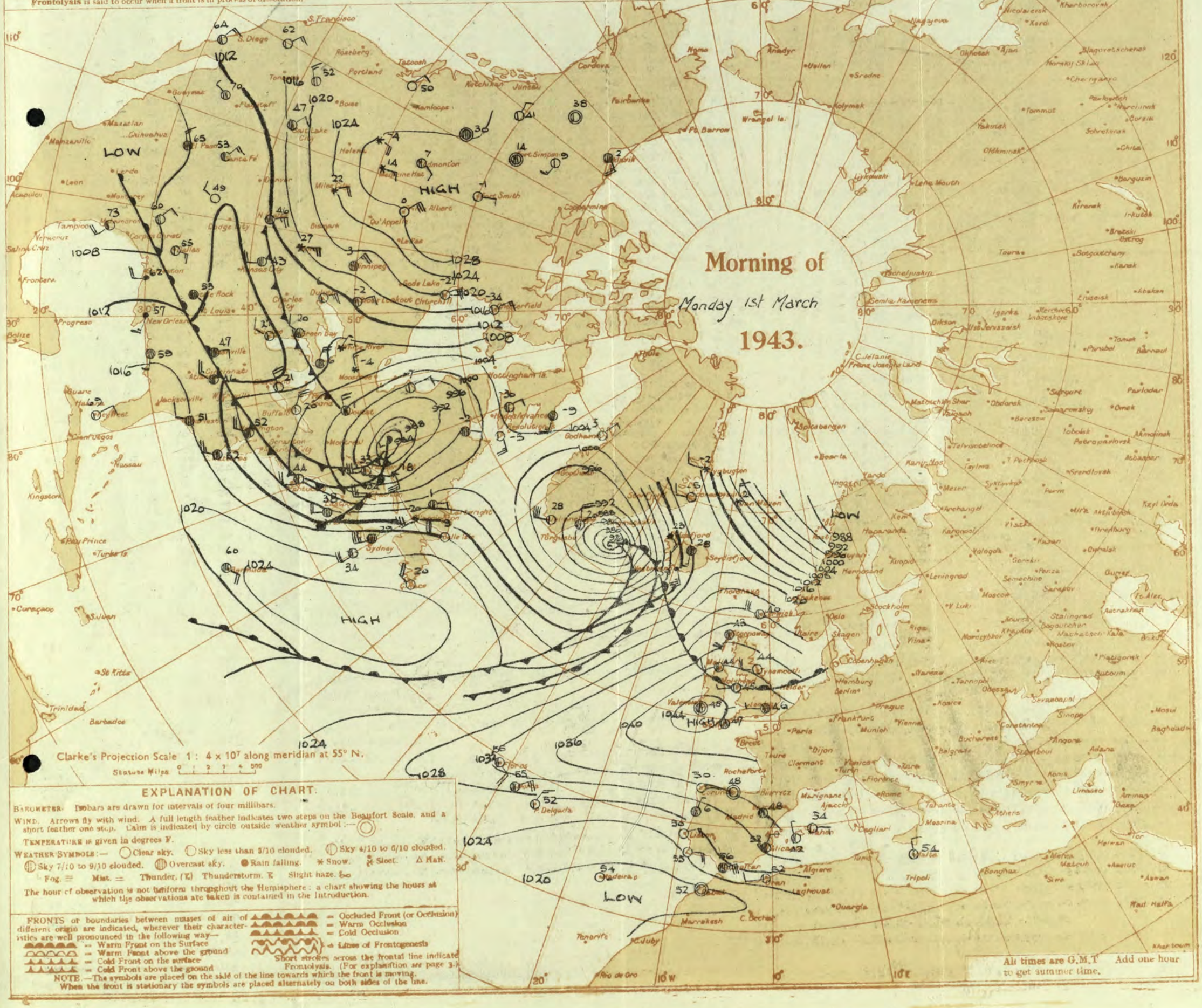
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER: Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (K) Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Monday 1st March 1943

No. 29684.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	41·9	+8	WNW	1	m	46	85	43	4	5	-	-	10	10	2000
	S. Farnborough	226	42·6	+14	NWW	1	z_o	43	92	40	6	5	-	-	10	10	2700
	Boscombe Down	417	42·9	+14	-	0	z_o	41	92	38	6	5	-	-	10	10	2400
	Thorney Island	10	42·1	+10	NW	2	z_o	41	85	37	6	5	-	-	9+	9+	2700
	Lympne ...	283	41·6	+10	WSW	1	m	38	92	36	4	5	-	-	10	10	2500
	Manston ...	154	41·0	+8	NW'N	2	m	43	85	40	4	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	40·3	+8	WNW	2	m	43	92	41	4	5	-	-	9	9	3700
	Gorleston ...	5	39·2	+6	WNW	3	z_o	41	92	38	5	5	-	-	10	10	1500
	Mildenhall ...	15	40·3	+4	WSW	2	z_o	41	92	39	6	5	-	-	10	10	3400
	Cranwell ...	203	40·1	+4	W	3	z_o	42	92	39	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	41·8	+12	NW	1	m	42	92	40	4	5	-	-	10	10	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	43·1	+12	N	2	c	46	97	45	8	5	-	-	9+	9+	2500
	Bristol ...	209	43·4	+14	-	0	z_o	43	92	40	6	5	-	-	10	10	2400
	Portland Bill ...	32	42·2	+18	NW	2	c	46	85	42	7	5	-	-	10	10	2500
	Plymouth ...	82	43·4	+10	ENE	1	z_o	45	85	40	6	5	-	-	10	10	2800
	The Lizard ...	240	43·8	+12	N	1	o	45	85	40	8	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	43·5	+8	N	2	c	47	75	40	8	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	43·5	+10	N'W	1	c	48	97	48	8	5	-	-	10	10	2500
7	Holyhead (Valley)	32	42·2	+8	W	1	b	45	92	44	8	-	4	-	o	Tr	-
	Chester (Sealand)	16	40·9	+2	W	2	bc	48	85	46	6	5	-	-	4-6	4-6	2500
8	Manchester ...	235	41·1	+6	WNW	3	z_c	46	92	44	5	5	-	-	10	10	2500
10	Spurn Head ...	29	39·3	0	W'S	4	b	43	85	38	7	-	-	-	0	0	-
	Catterick ...	175	40·2	+10	-	0	z_o	42	85	38	6	-	3	-	0	Tr	-
	Tynemouth ...	108	38·6	+6	W	4	b	44	75	37	7	-	-	-	0	0	-
11	St. Abbs Head	280	36·9	+14	SW	2	b-bc	40	92	38	7	5	-	-	2-3	2-3	4000
	Leuchars ...	36	37·1	+8	WSW	3	c	41	75	32	8	5	7	-	4-6	9+	3000
12	Renfrew (Abbots L.)	19	39·5	+10	SSW	1	z_o	42	85	38	6	5	4	-	1	4-6	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	40·8	+0	W'N	3	b	40	97	39	8	*	*	*	*0	*0	*
13A	Tiree	44	38·9	+4	W	1	bc	44	85	41	8	5	-	-	4-6	4-6	7200
13B	Stornoway ...	15	35·6	-6	SW	4	c	43	92	41	8	5	-	-	9	9	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	35·8	+6	W	3	b-bc	39	75	33	7	-	4	-	0	2-3	-
	Wick ...	114	33·2	+2	SW	2	c-bc	40	85	38	8	8	-	-	7-8	7-8	1500
16	Sumburgh ..	19	28·5	+6	W	6	c-bc	43	85	39	8	2	-	-	7-8	7-8	2400
17	Blacksod Point	18	41·9	+6	WSW	3	dd	48	97	47	6	9	2	-	10	10	800
18	Malin Head ...	84	40·0	+6	WSW	3	bc	44	85	44	8	8	-	-	4-6	4-6	2500
	Aldergrove ...	268	41·8	+10	SW'S	2	m	41	97	40	4	-	1	-	0	10	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	44·9	+4	-	0	c	48	92	46	8	5	-	-	9+	9+	2500
	Rcches Point	22	44·4	+10	NNW	2	c	48	92	46	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. G.M.T. 1st March

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)
London (Kew)	41·9	+4	W'S	1	m	41	92	39	4	5	3	-	4-6	4-6	2500	1	*
Croydon ...	41·7	+2	W	1	m	41	92	39	4	5	4	-	2-3	7-8	3000	1	*
S. Farnborough	42·7	+8	W'S	2	z_o	40	92	38	6	5	-	-	4-6	9	2500	0	*
Boscombe Down	42·9	+2	NNW	1	m	39	97	38	4	5	3	8	4-6	7-8	2000	0	*
Thorney Island	42·1	+2	WNW	1	z_o	41	92	40	6	5	3	1	2-3	4-6	4000	0	*
Lympne ...	41·2	+2	W'N	2	z_o	38	97	37	5	5	7	2	2-3	9	5000	0	*
Manston ...	40·6	-2	W	2	z_o	40	97	38	5	-	3	6	0	9+	-	1	*
Shoeburyness ...	40·9	+8	WNW	2	z_o	40	92	38	5	-	7	-	0	7-8	-	1	*
Felixstowe ...	40·4	+2	WNW	2	m	41	92	39	4	-	7	2	0	9	-	0	2
Gorleston ...	39·6	+4	NW	2	m	37	92	35	4	5	-	-	4-6	4-6	2000	0	1
Mildenhall ...	40·7	+2	W	3	z_o	38	97	37	5	5	4	2	2-3	7-8	2500	0	*
Cranwell ...	40·2	+6	W'SW	3	m	38	97	38	4	-	7	6	0	9+	-	0	*
Birmingham ...	41·6	0	W	2	z_o	44	85	40	6	5	-	6	4-6	4-6	2500	1	*
Upper Heyford	42·0	+2	SSW	1	c-bcjf	38	97	38	6	5	5	8	7-8	7-8	1500	0	*
Ross-on-Wye	41·8	0	N'W	1	b-bc	41	92	39	8	5	-	2	Tr	2-3	2500	1	*
Hartland Point	43·0	+4	WNW	1	c	45	92	43	8	5	-	-	9+	9+	2500	0	2
Bristol ...	43·1	+4	NNW	1	fg	43	92	41	6	5	-	-	9+	9+	2500	1	*
Portland Bill ...	42·0	-4	W	2	c-bc	45	85	40	8	5	4	-	4-6	7-8	4000	1	2
Plymouth ...	43·5	+2	SSE	1	z_o	44	85	38	6	5	4	1	1	2-3	2500	0	1
The Lizard ...	43·2	+4	NNE	2	o	45	85	40	7	5	-	-	10	10	1200	0	2
Scilly (St. Mary's)	43·4	+2	N	1	c	47	85	42	8	5	-	-	10	10	1500	0	2
Guernsey ...																	
Pembroke ...	43·5	+4	N'W	3	c	47	97	47	8	5	-	-	9+	9+	2500	0	2
Holyhead (Valley)	42·0	+2	W	1	c	46	97	46	8	5	-	-	9	9	3000	0	1
Chester (Sealand)	41·6	+6	W	1	c	47	85	43	7	5	7	-	7-8	10	2000	0	*
Manchester ...	41·6	+6	SW	3	c-bcfh	41	97	41	3	5	3	-	2-3	7-8	2500	1	*
Spurn Head ...	39·3	+2	WNW	3	z_o	40	92	39	6	7	-	-	2-3	2-3	4000	0	2
Catterick ...	39·3	-2	SW	1	c-bc	40	85	36	7	5	7	-	4-6	7-8	3000	0	*
Tynemouth ...	37·9	-4	W	3	c-bc	43	75	37	7	8	-	-	7-8	7-8	2500	0	2
St. Abbs Head	34·9	-6	W	4	c-bc	45	85	41	7	5	4	-	4-6	7-8	3000	0	4
Leuchars ...	35·2	+8	WSW	3	c	42	85	37	8	-	7	-	0	9	-	0	*
Renfrew (Abbots L.)	37·3	-10	WSW	3	c	45	85	41	7	5	7	-	4-6	9+	2500	1	*
Eskdalemuir ...	38·3	-4	SSW	4	c-bc	39	85	35	7	5	7	-	7-8	7-8	2200	1	*
Point of Ayre ...	40·4	-2	WNW	3	c-bc	44	92	42	8	5	-	-	7-8	7-8	2000	0	3
Tiree	36·2	-14	W	2	dd	47	97	47	4	5	-	-	10	10	600	1	1
Stornoway ...	31·2	-24	SW	6	dd	48	97	47	7	5	-	-	10	10	1500	1	3
Dalwhinnie ...	36·0	-6	WSW	3	c	42	85	38	8	5	-	2	4-6	9	1500	0	*
Aberdeen † ...	34·0	-6	SW	1	c	43	75	34	6	-	3	2	0	9+	-	0	1
Wick ...	31·3	-12	SW	2	c	43	85	38	8	8	2	-	2-3	10	2000	1	*
Sumburgh ..	28·1	-6	W	5	r_o	42	97	42	8	5	2	-	9	10	2000	1	4
Blacksod Point	41·3	-6	WSW	3	id	48	97	47	7	-	2	-	10	10	800	2	3
Malin Head ...	38·5	-4	WSW	5	dd	47	97	46	6	-	2	-	10	10	800	1	4
Aldergrove ...	40·4	-6	WSW	2	id	45	97	44	4	5	-	-	10	10	1000	1	*
Birr Castle ...	42·8	-2	WSW	2	dd	47	97	46	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	44·9	+2	NE	2	c/d	46	97	45	8	5	-	-	9+	9+	2500	1	2
Rcches Point	44·4	+4	N'W	1	c	47	97	46	8	5	-	-	9	9	1500	1	*

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 28th Hrs. (38)
London (Kew)	49	40	27	-	-	0·7
Croydon ...	50	40	34	-	-	3·5
S. Farnborough	51	39	27	-	-	2·1
Boscombe Down	47	38	31	-	Tr	0·2
Thorney Island	52	37	36	Tr	-	*
Lympne ...	51	34	28	-	-	7·9
Manston ...	49	39	34	-	-	5·9
Shoeburyness ...	50	40	28	-	-	0·7
Felixstowe ...	52	40	35	-	-	3·[illegible]
Gorleston ...	52	37	32	-	-	8·5
Mildenhall ...	52	35	27	-	Tr	3·3
Cranwell ...	52	37	34	-	-	7·8
Birmingham ...	47	41	33	-	-	1·0
Upper Heyford	49	37	30	-	-	*
Ross-on-Wye	50	40	29	-	-	0·1
Hartland Point	47	44	43	-	-	0·0
Bristol ...	49	39	31	-	-	0·1
Portland Bill ...	49	43	*	-	-	*
Plymouth ...	50	43	35	-	-	0·5
The Lizard ...	48	44	*	-	-	0·0
Scilly (St. Mary's)	49	46	*	-	-	0·1
Guernsey ...						
Pembroke ...	49	40	*	-	-	0·0
Holyhead (Valley)	50	43	39	-	-	*
Chester (Sealand)	52	45	38	-	-	0·8
Manchester ...	49	40	33	-	-	*
Spurn Head ...	49	40	*	-	-	8·4
Catterick ...	55	38	29	-	-	5·8
Tynemouth ...	52	40	36	-	-	*
St. Abbs Head	52	39	*	-	-	*
Leuchars ...	57	39	25	-	-	5·8
Renfrew (Abbots L.)	54	41	38	Tr	-	2·9
Eskdalemuir ...	50	38	34	-	-	0·8
Point of Ayre ...	51	38	*	-	-	0·0
Tiree	51	40	36	0·3	Tr	4·2
Stornoway ...	48	38	*	Tr	0·4	0·1
Dalwhinnie ...	47	39	35	-	-	3·9
Aberdeen † ...	55	39	32	0·2	-	2·9
Wick ...	50	39	36	Tr	-	*
Sumburgh ..	46	40	39	1	1	4·0
Blacksod Point	51	48	*	0·1	1	*
Malin Head ...	50	43		0·4	Tr	1·6
Aldergrove ...	51	37	30	Tr	Tr	0·1
Birr Castle ...	53	46	43	-	0·5	0·2
Valentia Obsy.	52	45	40	Tr	0·2	0·1
Rcches Point	52	46	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 28th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	80	27754	59885	87	01854	58685	5-	02754	24425	52	22644	22568
115	52	14844	98627				87	27844	95585	52	81845	57528
202							5-	03848	24428			
206	57	02864	22427	76	02864	26315	5-	02865	24385	57	02864	22426
210	77	02863	58527	83	02854	59416	8-	02855	21385	53	02865	21328
220	55	01853	25316	57	01853	24415				52	21725	20158
230	10	01863	25456	84	02753	24325	8-	01853	20223	5-	52548	18358
245	57	02853	26425	54	02863	25327	50	01864	21214	09	02890	23327
260	84	05653	23525	57	01763	57526				57	02754	24327
278	52	02886	25357	37	02755	28457	00	00690	24310	5-	02758	22318
279	5-	02887	20527	53	02754	21466	00	01796	24224	07	02790	22326
285										53	02744	28427
288	5-	02964	55417	53	01763	22324	00	00750	23200	05	01890	18214
575	52	51646	22258	5-	02847	00027	5-	05648	00028	5-	05638	20258
301	53	02766	23327	5-	02857	23427	04	01790	24224	07	05690	28314
321	50	05654	26524	04	05590	26224	00	05690	22220	04	08490	24214
2.0				47	01754	24315	00	05690	24300	44	02754	24314
292	10	01864	26314	54	02755	22223	00	05690	00010	6-	02773	19115
310												
614	50	01763	26314	07	05590	24122	5-	05554	22214	57	08463	22214

III	13h. G.M.T. 28th Feb. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
338	5-	02858	27328	5-	02868	28128	53	02764	00025	54	02855	26215
334										--	01603	28104
340				50	02855	28125	50	01762	24212	5-	02757	24227
136	5-	05665	24315	00	05690	30213	03	05690	22113	09	08490	24226
336										53	02754	28328
350	5-	17658	59828	5-	05668	28328	5-	05668	8328	50	05655	24428
368	5-	02758	26128	5-	02857	26227	5-	08448	24118			
379	7-	02858	28315	5-	02757	30327	5-	02648	28228	57	02863	26316
390	50	02765	26225	5-	05557	28327	5-	08458	26128	54	41463	26344
382	5-	02865	25325	5-	02868	32328	5-	61658	28128			
438	00	05690	22200	00	05690	28300	50	05653	28203	32	05656	32218
430	10	01752	20102	5-	01790	20213	5-	05666	32116	50	05663	28123
409	5-	02978	01328	5-	02868	31228	5-	02758	01228	5-	05655	00025

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st March, 1943.
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 ...	m_o fwcz$_o$	cz$_o$ bcm$_o$	bcm$_o$m	Kew 24 hours ended 7h. Max. Time 0·5 9–10 hrs 28th. Min. Time 0·1 12–15h. 28th
Croydon ...	cm$_o$ bcz$_o$	bcz$_o$ cfbm		
Greenwich ...	cfbm	cm$_o$	cm$_o$ mbdf	
Camden Square	c	c	*	
Kensington ...	bcc	co	*	
Hampstead ...	o	o	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	49	40	27	-	-	0·7	*	*
Croydon ...	50	40	34	-	-	3·5	*	*
Greenwich ...	48	41	29	-	-	1·1	66	81
Westminster ...	50	40	34	-	-	*	75	91
Regents Park ...	48	41	36	-	-	*	70	76
Camden Square	49	42	31	-	-	*	*	83
Kensington ...	50	40	32	-	-	*	67	85
Hampstead ...	49	40	30	-	-	-	*	85

SECRET

Page 1 BRITISH SECTION

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

Tuesday 2nd March 1943

No. 29685

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

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)	40·8	-14	NW'W	3	c	54	55	40	7	1	-	7	Tr	10	2500
	Croydon	41·8	-14	NW'N	2	c	54	65	41	6	-	-	6	0	9+	-
	S. Farnborough	40·7	-18	NW	2	c	55	65	41	8	1	5	-	Tr	9+	3000
	Boscombe Down	41·6	-18	NW'N	2	c-bc	55	65	43	7	1	-	2	2-3	7-8	3200
	Thorney Island	41·6	-6	NW	3	c-bc	55	65	43	9	1	-	2	2-3	7-8	4000
	Lympne	40·3	-12	NW	2	bc	52	65	41	7	1	-	2	Tr	4-6	3000
	Manston	40·1	-10	NW	3	zo	52	75	43	6	1	7	6	Tr	4-6	2000
2	Shoeburyness	39·8	-10	NW	4	c	55	65	44	7	1	7	-	1	9	2500
	Felixstowe	39·5	-6	NW	4	zo	53	75	44	6	1	-	2	1	7-8	2400
	Gorleston	39·3	-4	NNW	2	bc	51	75	42	7	-	7	1	0	4-6	-
	Mildenhall	39·9	-10	WNW	3	zo	53	65	42	6	-	3	2	0	7-8	-
	Cranwell	39·0	-12	W'N	4	zo	53	65	40	6	-	7	6	0	9	-
3	Birmingham	40·6	0	NW	3	zo	51	75	43	6	5	7	-	1	9+	2500
	Upper Heyford	40·9	-6	NW	3	c	51	75	43	8	1	-	2	4-6	9	2800
4	Ross-on-Wye	41·4	-8	W	2	c-bc	55	65	43	8	1	-	2	2-3	7-8	3000
5	Hartland Point	42·9	-6	W'S	2	bc	48	85	55	8	2	4	5	2-3	4-6	2800
	Bristol	42·1	-10	WNW	1	zo	55	65	45	6	-	-	8	0	7-8	-
	Portland Bill	41·5	-12	W	2	c	52	92	50	8	2	4	-	4-6	10	1000
	Plymouth	43·5	-6	SW	1	zo	49	75	42	6	5	-	-	10	10	4000
	The Lizard	43·3	0	ENE	3	c	50	75	41	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	43·7	0	NE	2	c	51	85	46	8	5	-	-	10	10	1800
	Guernsey															
6	Pembroke	43·4	-2	WNW	3	bc	50	92	48	8	2	4	-	2-3	4-6	2500
7	Holyhead (Valley)	42·5	-4	WNW	2	c	49	85	45	8	5	-	-	10	10	1500
	Chester (Sealand)	41·7	-4	WNW	3	c	51	75	44	8	7	-	6	7-8	9+	2000
8	Manchester	41·4	-8	W	4	ido	49	92	46	5	5	-	-	9+	10	1000
10	Spurn Head	38·4	0	W'N	3	zo	48	75	39	5	7	3	-	4-6	9+	2500
	Catterick	37·9	-12	SW	3	c-bc	55	65	44	8	5	9	8	2-3	7-8	3000
	Tynemouth	36·1	-18	W	5	zo	51	75	42	6	2	3	-	4-6	7-8	2500
11	St. Abbs Head	32·9	-22	W	4	c-bc	52	85	48	7	5	4	-	4-6	7-8	3000
	Leuchars	31·8	-22	WSW	4	c	53	75	45	7	5	7	-	1	9	3000
12	Renfrew (Abbots I.)	36·2	-10	W'S	4	ido	50	85	47	8	5	2	-	9	10	1000
	Eskdalemuir	37·5	+4	WSW	3	c	48	85	44	8	5	-	-	9+	9+	1400
	Point of Ayre	40·3	-4	WSW	5	c	50	92	48	8	5	2	-	9	10	1600
13A	Tiree	36·9	0	WSW	4	c	49	97	49	7	5	-	-	10	10	700
13B	Stornoway	29·9	-8	WSW	8	dodo	51	97	50	7	5	5	-	7-8	9+	1200
15	Dalwhinnie	30·0	-2	WSW	3	bc	52	75	43	8	8	4	-	2-3	4-6	2500
	Aberdeen	29·4	-22	WSW	2	c-bc	57	55	41	8	-	4	9	0	7-8	-
	Wick	26·9	-14	SW	5	bc	53	75	45	9	5	3	6	2-3	4-6	3500
16	Sumburgh	20·9	-46	WSW	7	fofo	47	97	47	6	5	-	-	10	10	600
17	Blacksod Point	42·4	-2	W'S	3	ido	50	85	45	7	6	2	-	4-6	10	1500
18	Malin Head	38·8	0	W	5	dodo	49	97	48	6	8	2	-	4-6	10	800
	Aldergrove	40·7	-2	W	4	c	49	85	45	8	5	-	-	10	10	1200
19	Birr Castle	42·1	-4	WSW	1	c	51	85	47	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	44·5	-6	W	2	c	50	75	42	9	8	-	-	9+	9+	2500
	Roches Point	43·8	-10	N	1	c	51	85	46	8	8	-	-	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	39·4	-4	WNW	2	zo	52	65	41	5	5	-	2	2·3	4-6	2500	1	*
Croydon	25·4	-6	W'N	2	m	51	75	45	4	-	4	6	0	9	-	0	*
S. Farnborough	39·6	-6	NW'N	1	bc	53	65	40	7	-	7	9	0	4-6	-	0	*
Boscombe Down	40·1	-6	NW'W	1	zo	50	75	43	6	-	-	8	0	7-8	-	0	*
Thorney Island	39·8	-6	W'N	1	zo	52	65	45	6	-	-	2	0	7-8	-	0	*
Lympne	39·2	-2	W	1	m	48	75	41	4	-	3	-	0	7-8	-	0	§1
Manston	38·1	-6	W'N	1	zo	51	75	43	5	-	3	-	0	9	-	1	*
Shoeburyness	38·6	-4	WNW	2	zo	52	75	45	6	-	3	1	0	9	-	1	*
Felixstowe	38·2	-2	-	0	zo	51	75	43	5	-	7	9	0	2-3	-	0	1
Gorleston	37·8	-4	W	2	zo	50	75	40	5	5	-	-	4-6	4-6	2500	0	2
Mildenhall	38·4	-2	W'N	3	zo	49	85	44	5	-	3	8	0	7-8	-	0	*
Cranwell	38·0	-6	W'N	4	zo	48	85	44	6	-	4	6	0	7-8	-	0	*
Birmingham	39·3	-4	SW	2	m	51	75	43	4	5	7	-	4-6	9	1500	1	*
Upper Heyford	39·3	-4	NW'N	2	bc	48	85	42	7	-	-	2	0	4-6	-	0	*
Ross-on-Wye	39·8	-10	W	1	c	51	75	43	9	-	-	2	0	9	-	1	*
Hartland Point	41·1	-8	WNW	2	c-bc	47	92	45	8	5	4	6	2-3	7-8	1500	0	2
Bristol	40·4	-4	WSW	2	fg	49	92	46	6	-	-	2	0	7-8	-	1	*
Portland Bill	40·4	-6	W	2	c-bc	49	92	47	8	5	-	-	7-8	7-8	4000	1	2
Plymouth	41·4	-6	WNW	3	zo	50	85	45	6	5	4	-	7-8	9	3500	0	1
The Lizard	41·2	-4	ENE	2	c	49	75	42	8	5	-	-	9+	9+	1500	0	2
Scilly (St. Mary's)	42·0	-6	-	0	c	49	85	45	8	8	-	-	9+	9+	1800	0	2
Guernsey																	
Pembroke	41·2	-8	N	2	c	47	92	46	8	5	-	-	10	10	2500	0	2
Holyhead (Valley)	40·7	-10	S'W	2	c/d	47	92	46	8	5	2	-	7-8	9+	1500	1	1
Chester (Sealand)	39·9	-8	WNW	3	c	49	92	46	8	5	-	-	10	10	1500	0	*
Manchester	40·0	-6	W	3	m	47	97	45	4	5	-	-	10	10	1500	1	*
Spurn Head	36·4	-6	W'N	6	zo	47	85	44	6	7	3	-	4-6	9+	1500	0	4
Catterick	36·4	-2	W	2	c	50	85	45	8	5	4	-	7-8	9	2500	0	*
Tynemouth	33·9	0	N'E	6	cbcq	51	85	46	6	8	3	-	4-6	7-8	2500	0	3
St. Abbs Head	30·1	-14	W	5	c-bc	51	92	49	7	5	4	-	4-6	7-8	3000	0	4
Leuchars	30·1	-10	W	4	c	52	75	44	8	5	4	8	1	9+	3000	0	*
Renfrew (Abbots I.)	35·3	-8	W	4	c	50	85	46	8	5	7	-	9	9+	1000	1	*
Eskdalemuir	36·0	-6	SSW	2	ido	47	85	44	8	5	-	-	10	10	1100	1	*
Point of Ayre	38·8	-4	W'N	4	c	49	92	47	8	5	-	-	10	10	1600	0	3
Tiree	35·0	-10	WSW	4	b	48	97	47	7	5	4	-	1	1	1500	1	3
Stornoway	29·5	0	WNW	7	dodo	49	85	46	6	5	-	-	10	10	1000	1	5
Dalwhinnie	30·5	-10	WSW	4	c	47	85	41	8	5	4	-	7-8	9+	1500	0	*
Aberdeen	27·4	-4	WSW	2	c-bc	58	55	41	8	-	4	9	0	7-8	-	0	
Wick	25·0	-4	W'S	4	bc	50	75	43	9	2	7	-	2-3	4-6	2000	0	1
Sumburgh	17·8	-22	W'S	8	dodo	47	97	47	6	6	2	-	9+	10	400	1	4
Blacksod Point	41·3	-6	W	3	c	50	85	46	8	5	-	-	10	10	1500	1	3
Malin Head	37·5	-8	WSW	4	bc	49	85	45	8	8	2	-	4-6	4-6	1500	1	4
Aldergrove	39·6	-4	W	3	c	49	92	46	9	5	-	-	9+	9+	1500	1	*
Birr Castle	41·9	-4	WNW	1	id	49	92	47	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	43·0	-6	W	2	c/d	47	92	45	8	5	-	-	10	10	1500	1	2
Roches Point	42·2	-4	N'W	3	c	50	92	48	8	5	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

Stations	Weather 7h.–13h. 1st (39)	Weather 13h.–18h. 1st (40)	Weather 18h. 1st to 1h. 2nd (41)	Weather 1h.–7h. 2nd (42)
London (Kew)	bccmcy	cybczo	bcbmw	bbcem
Croydon	cmcz	bcbzcbz	bm	
S. Farnborough	cmoc	cyc	czmbw	mo
Boscombe Down	cmwbombc	bccczo	czbmbm	bmofof
Thorney Island	c	cbcybc	bcmbmw	bfcm
Lympne	cwmomcbc	bcczocz	cbzmm	bmamw
Manston	cmcmo	czo	czbz	omom
Shoeburyness	cmozoc	cczoc		
Felixstowe	cmobczo	bczoccz	bmcm	cm
Gorleston	bczo	bcz	bmw	cmwbcz
Mildenhall	bcmozo	czoyczo	bmcm	cmwbcm
Cranwell	cmoczo	czomo	bcmbmcm	cmbm
Birmingham	cz	czm	c	cc
Upper Heyford	cmojfc	c	bcbmom	omo
Ross-on-Wye	bccbc	ccv	cbwbcc	cc
Hartland Point	cbc	c	cbcc	c
Bristol	cmozo	czomo	cmbmbf	bm,f,f,f
Portland Bill	c	c	bcbc	bco
Plymouth	cmo	cmoc	bmo	bmfmx
The Lizard	coc	c	cbcw	bcc
Scilly (St. Mary's)	c	c	c	c
Guernsey				
Pembroke	bc	c	cbc	bcc
Holyhead (Valley)	cido	cido	cid	cddm
Chester (Sealand)	c	c	c	ccm
Manchester	cfmoido	idocmo	cmcm	cm
Spurn Head	bmo	cmo	bcm	bcm
Catterick	cmoc	cbcc	bc	bcc
Tynemouth	cmo	bccqmo	cqmbcq	bccq
St. Abbs Head	c	c	cbcbq	bcq
Leuchars	cczoc	c	cbcb	bbcc
Renfrew (Abbots I.)	ccmofdoc	cidoc	cm	cmid
Eskdalemuir	cdoc	cido	cidbc	bcc
Point of Ayre	c	c	bbcc	c
Tiree	codododoc	ccidobcb	bccdcdo	cdddd
Stornoway	cidododo	cdodomo	cddm	cddmbc
Dalwhinnie	c	c		cido
Aberdeen	czobcy	bcycy	bybc	bc
Wick	cirobc	cbc	bc	c
Sumburgh	cdodofofom	cdodomo	cdodrm	c
Blacksod Point	d	c	f	d
Malin Head	d	d	r	r
Aldergrove	cmfidomoc	c	cbcbbcc	cido
Birr Castle	d	c	*	d
Valentia Obsy.	c	d	r	d
Roches Point	c	c	d	d

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

Districts	Forecast
1 S.E. England	Light northwesterly winds, cloudy, a few fog patches tonight; mild.
2 E. England, 3 E. Midlands	Light to moderate northwesterly winds, cloudy today, fine tonight; local fog tonight; mild.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Light northwesterly winds; generally cloudy; local drizzle along west coast; local mist or fog in Midlands tonight; mild.
8 N.W. England, 9 N. Midlands	Light northwest to west winds; cloudy; occasional drizzle; mild.
10 N.E. England, 11 S.E. Scotland	Moderate northwest winds, backing and moderating; variable cloud, with appreciable clearances; mild.
12 S.W. Scotland & Isle of Man	As 8-9
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate to fresh northwest winds, backing and moderating; cloudy, with some breaks; local drizzle in west; some hill fog; mild.
16 Orkneys and Shetlands	As 13A - 15.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Variable light winds; cloudy, with local drizzle, mild.

GENERAL INFERENCE

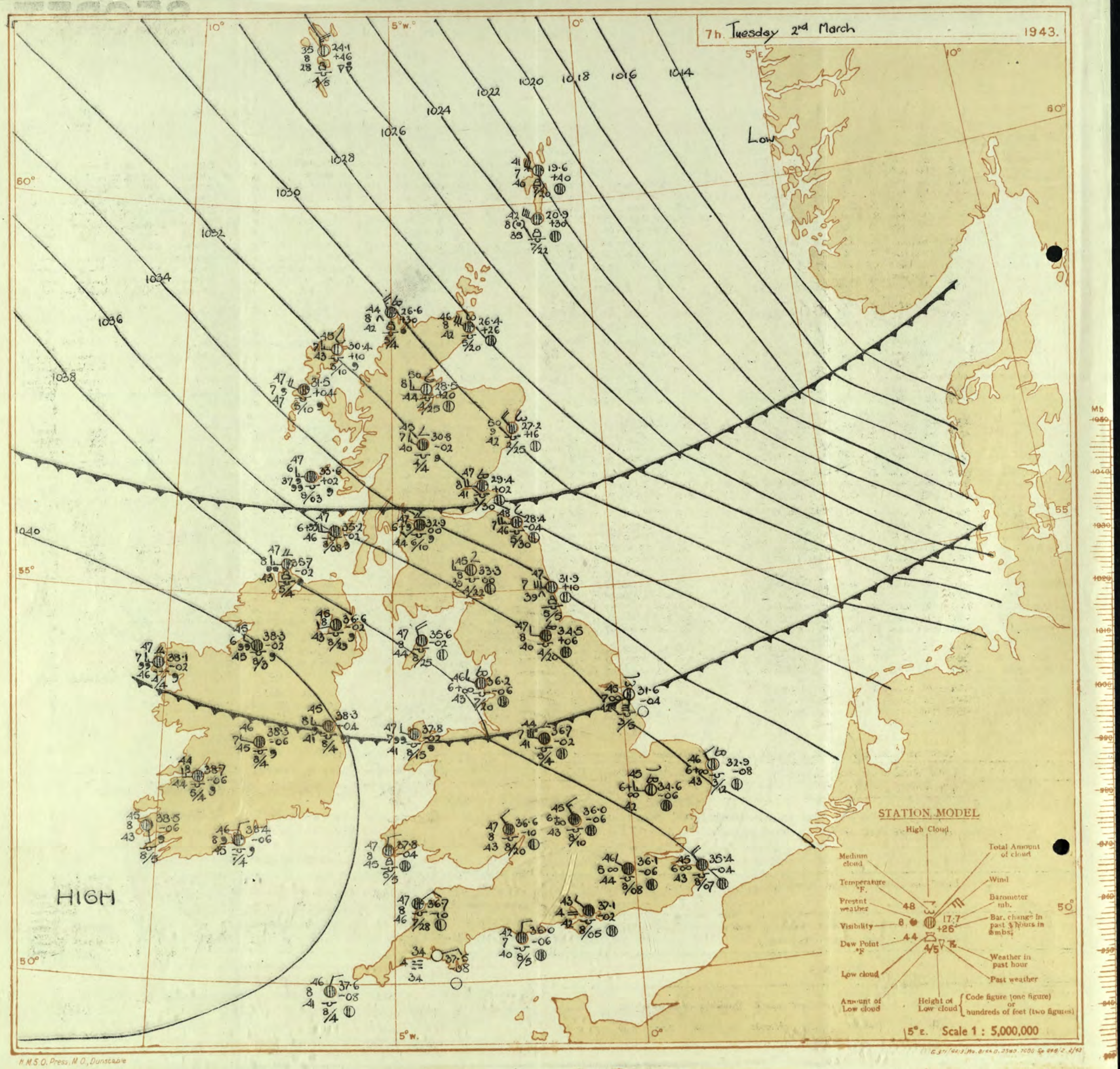
An extensive anticyclone west of Eire is almost stationary, and an associated wedge to Iceland is moving east; weak troughs of low pressure are moving southeast across the British Isles. Weather will be cloudy in northern, western and southern districts, but there will be appreciable clearances in most eastern districts; there will be local drizzle in the west; fog will develop locally in England tonight; mild.

FURTHER OUTLOOK

Quiet anticyclonic conditions with rather cloudy conditions, but fine locally in east and southeast.

Forecasts issued at 10·30.

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



H.M.S.O. Press, M.O., Dunscrabie

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

Explanation of Frontal Lines shown on Charts

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

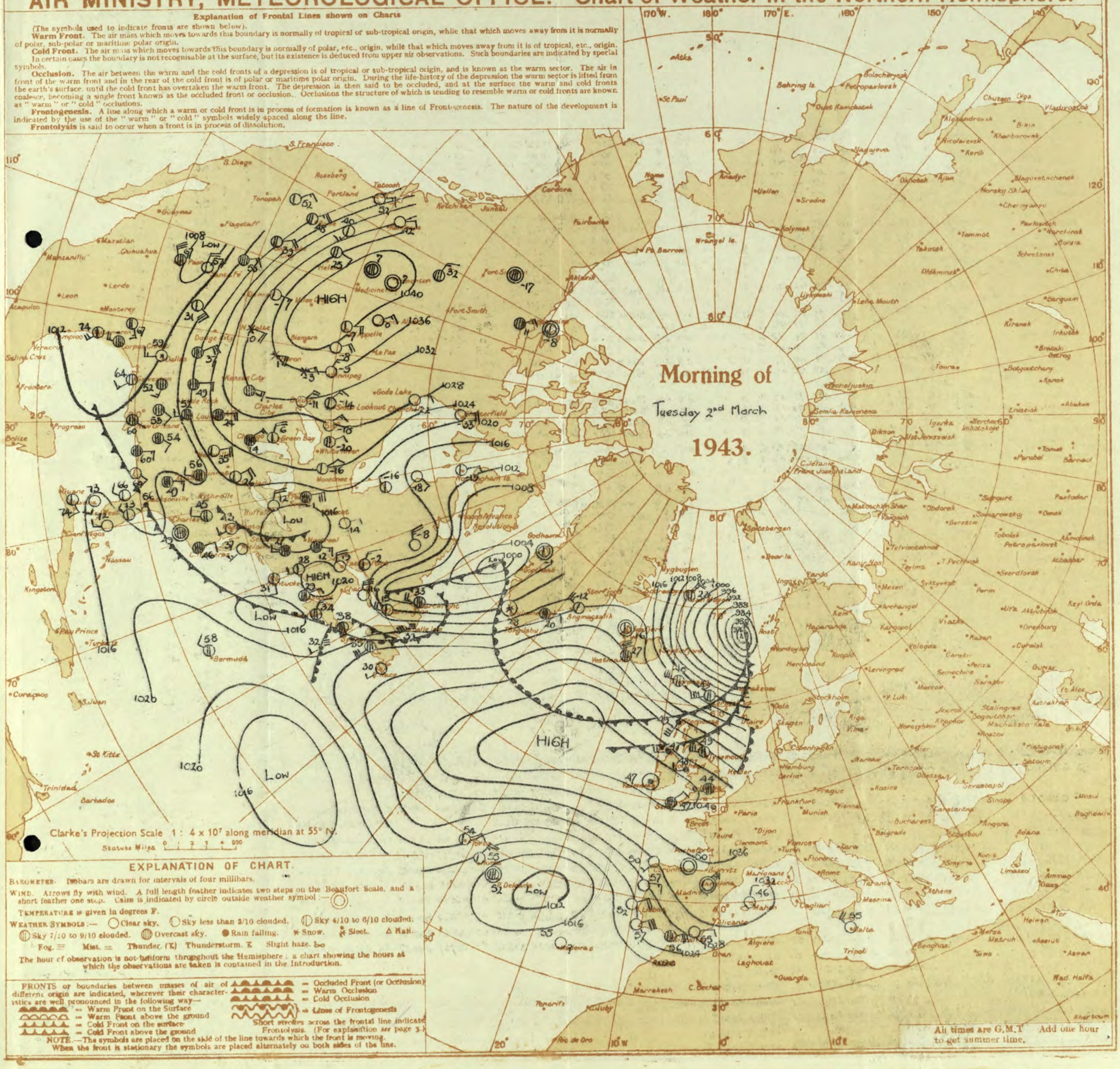
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (K) Thunderstorm. Slight haze.

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

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

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

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

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

BRITISH SECTION

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

Tuesday 2nd March 1943

No. 29685

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon ...	290	38·0	+2	W	1	z_o	44	92	43	5	5	-	-	9+	9+	1100
	S. Farnborough	226	38·7	-4	W'N	1	z_o	42	92	40	6	-	-	-	0	0	-
	Boscombe Down	417	39·2	-4	NW	1	z_o	39	97	39	4	-	-	-	0	0	-
	Thorney Island	10	38·9	-6	W	1	m	41	97	40	4	-	-	-	0	0	-
	Lympne ...	283	37·8	-8	WNW	1	z_o	42	92	41	5	-	-	-	0	0	-
	Manston ...	154	37·2	-10	W'N	2	m_o	45	85	42	4	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	36·3	-6	WNW	4	m	45	92	44	4	5	-	-	10	10	600
	Gorleston ...	5	36·1	-8	NW'W	3	z_o	44	92	43	6	-	-	-	0	0	-
	Mildenhall ...	15	36·8	-6	W	3	z_o	47	92	45	6	5	-	-	10	10	1100
	Cranwell ...	203	36·1	-10	W	4	z_o	47	92	45	6	5	-	-	10	10	1100
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	38·4	-2	WNW	3	z_o	46	92	44	6	5	-	-	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	39·8	-10	NW	2	c	46	92	44	7	5	6	-	7-8	10	1500
	Bristol ...	209	39·8	-2	-	0	b/f	39	97	38	4	-	-	-	0	0	-
	Portland Bill ...	32	39·1	-6	NW	2	b-bc	46	92	44	8	4	-	-	2-3	2-3	4000
	Plymouth ...	82	40·2	-12	ENE	1	z_o	41	97	41	5	-	-	-	0	0	-
	The Lizard ...	240	39·7	-10	NNW	2	b-bc	42	85	37	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	40·3	-8	NE'N	2	c	47	85	43	8	5	-	-	10	10	1800
	Guernsey ...	175															
6	Pembroke ...	142	40·2	-6	NW'N	2	bc	48	97	48	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	39·1	-10	WSW	3	$d_o d_o$	48	92	47	6	5	-	-	10	10	1500
	Chester (Sealand)	16	38·2	-10	W	3	c	50	85	44	7	5	-	-	10	10	1500
8	Manchester ...	235	37·9	-10	WSW	3	z_o	47	92	45	6	5	-	-	10	10	1500
10	Spurn Head ...	29	34·3	-14	W'N	6	z_o	47	85	43	6	4	-	-	2-3	2-3	2500
	Catterick ...	175	34·3	-22	WSW	2	b-bc	48	85	43	7	5	2	-	2-3	2-3	2500
	Tynemouth ...	108	32·5	-10	W	6	bcq	49	75	41	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	27·7	-34	W	6	b-bc	48	85	44	7	4	-	-	2-3	2-3	4000
	Leuchars ...	36	29·0	-14	W	5	b-bc	47	65	37	8	5	-	-	2-3	2-3	3000
12	Renfrew (Abbotsl.)	19	33·7	-10	W	4	z_o	48	85	43	6	5	7	-	7-8	9	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	36·7	-2	NW	4	*	47	92	45	7	9	*	*	9	10	3000
13A	Tiree	44	34·6	-8	WSW	4	id_o	48	92	46	7	5	-	-	10	10	1500
13B	Stornoway ...	15	29·2	+2	WSW	7	id_o	49	97	49	6	5	-	-	10	10	1700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	26·8	-2	WNW	6	b-bc	51	65	40	3	5	-	-	2-3	2-3	3000
	Wick ...	114	23·9	0	W'S	6	bc	49	85	44	8	5	-	-	4-6	4-6	2000
16	Sumburgh ..	19	15·8	-6	W'S	8	c/r	47	97	47	6	5	2	-	7-8	10	900
17	Blacksod Point	18	39·9	-8	WSW	3	c-bc	47	92	45	8	5	-	-	7-8	7-8	1500
18	Malin Head ...	84	36·9	-6	W'S	4	$d_o d_o$	47	92	45	7	8	2	-	7-8	10	1500
	Aldergrove ...	268	28·6	-8	W	3	c^{o}_{o}	46	85	42	8	5	-	-	10	10	1600
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	41·0	-14	-	0	id_o	47	92	45	7	5	-	-	10	10	1500
	Roches Point	22	40·8	-10	N	3	s/d	47	97	46	8	5	-	-	9+	9+	1500

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

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)	38·8	-4	NW	2	z_o	47	85	43	6	5	-	-	10	10	2500	1	*
	Croydon ...	36·1	-6	WNW	2	z_o	46	92	44	5	5	-	-	10	10	800	1	*
	S. Farnborough	36·5	-2	NW	2	c	45	92	43	7	5	-	-	10	10	900	1	*
	Boscombe Down	36·9	-6	WNW	1	f-	41	97	41	3	-	-	-	10	10	<150	0	*
	Thorney Island	37·1	-2	WNW	1	m	43	92	42	4	5	-	-	10	10	500	1	*
	Lympne ...	35·9	-2	WNW	2	m	43	97	43	4	5	-	-	10	10	500	1	1
	Manston ...	35·4	-4	NW'W	2	z_o	45	92	43	6	5	-	-	10	10	700	1	*
2	Shoeburyness ...	35·3	-8	WNW	3	z_o	47	85	44	6	5	-	-	10	10	1500	1	*
	Felixstowe ...	34·4	-4	WNW	4	m	47	92	45	4	5	-	-	10	10	1100	0	2
	Gorleston ...	32·9	-8	NW'W	2	z_o	46	85	43	6	5	7	-	2-3	4-6	1200	0	2
	Mildenhall ...	34·6	-6	W	3	z_o	45	92	42	6	-	7	1	0	4-6	-	0	*
	Cranwell ...	33·6	-8	WNW	5	z_o	46	85	42	6	5	3	1	4-6	4-6	2500	0	*
3	Birmingham ...	36·3	-8	NW	3	z_o	46	85	42	6	5	-	-	10	10	1500	1	*
	Upper Heyford	36·0	-6	NW	3	z_o	45	92	43	6	5	-	-	10	10	1000	0	*
4	Ross-on-Wye	36·6	-10	NW'N	2	c	47	85	43	8	5	-	-	10	10	2000	1	*
5	Hartland Point	36·7	-10	NE	2	c	47	97	46	8	5	-	-	9+	9+	2500	0	2
	Bristol ...	37·2	-8	SW	1	m/f	43	97	43	4	5	-	-	10	10	800	1	2
	Portland Bill ...	36·0	-6	N	1	o	42	92	40	7	5	-	-	10	10	2500	1	2
	Plymouth ...	37·5	-8	ENE	1	if	34	97	34	4	-	-	-	0	0	-	0	1
	The Lizard ...	37·1	-8	NNE	2	c-bc	43	92	40	8	5	-	-	7-8	7-8	2000	0	2
	Scilly (St. Mary's)	37·6	-8	NNE	1	c	46	85	41	8	5	-	-	10	10	1500	0	2
	Guernsey ...																	
6	Pembroke ...	37·8	-4	N	2	c-bc	47	92	45	8	8	-	-	7-8	7-8	2500	0	2
7	Holyhead (Valley)	37·8	-2	W'N	2	$d_o d_o$	47	85	41	7	5	-	-	10	10	1500	1	1
	Chester (Sealand)	36·6	-2	NW	1	id_o	47	85	43	6	5	2	-	7-8	10	2000	0	*
8	Manchester ...	36·7	0	W'S	3	z_o	45	92	43	6	5	-	-	10	10	2500	1	*
10	Spurn Head ...	31·6	-4	WNW	6	z_o	45	85	42	7	5	3	1	2-3	4-6	2500	1	4
	Catterick ...	31·5	+6	WNW	2	c	47	75	40	8	5	7	-	4-6	9	2000	0	*
	Tynemouth ...	31·9	+10	W	6	c-bcq	47	75	39	7	8	-	-	7-8	7-8	2500	1	3
11	St. Abbs Head	28·4	-4	W	5	c	48	92	46	7	5	4	-	7-8	9	3000	0	3
	Leuchars ...	29·4	+2	W	4	c	47	85	41	8	5	7	-	2-3	9	3000	0	*
12	Renfrew (Abbotsl.)	32·9	0	SW'S	2	id_o	47	85	44	6	5	2	-	9	10	1000	1	*
	Eskdalemuir ...	33·3	0	W'N	3	c-bc	45	83	39	8	5	-	6	4-6	7-8	2200	1	*
	Point of Ayre ...	35·6	-2	NW	4	c	47	85	44	8	5	-	-	10	10	2500	0	3
13A	Tiree	33·6	+2	W	3	dd	47	65	37	6	5	-	-	10	10	300	1	3
13B	Stornoway ...	30·4	+10	W	3	bc	45	92	43	7	5	4	-	2-3	4-6	1000	1	2
15	Dalwhinnie ...	30·8	-2	WNW	3	o	43	85	40	7	5	1	-	4-6	10	1500	1	*
	Aberdeen † ...	27·2	+16	NW	4	c-bc	50	75	42	9	5	5	-	1	7-8	2500	0	2
	Wick ...	26·4	+26	WNW	6	ir_o	46	85	42	8	5	3	-	7-8	9+	2000	1	*
16	Sumburgh ..	20·9	+30	WNW	2	cjp	42	75	35	8	8	-	-	9+	9+	2200	1	5
17	Blacksod Point	38·1	-2	W	3	$d_o d_o$	47	97	46	7	6	2	-	4-6	10	1500	1	3
18	Malin Head ...	35·7	-2	W	3	$r_o r_o$	47	85	43	8	8	2	-	7-8	9+	1500	1	4
	Aldergrove ...	36·6	-2	WSW	2	c^{o}_{o}	45	92	43	8	5	-	-	10	10	2000	1	*
19	Birr Castle ...	38·3	-6	WNW	1	c	46	97	45	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	38·5	-6	SSE	1	c	45	92	43	8	5	-	-	10	10	2500	1	1
	Roches Point	38·4	-6	N'E	2	id_o	46	97	45	8	5	-	-	9+	9+	1500	1	2

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 1st Hrs. (38)
1	London (Kew)	55	43	28	-	-	6·5
	Croydon ...	55	43	37	-	-	6·7
	S. Farnborough	56	39	30	-	-	7·8
	Boscombe Down	56	36	32	-	0·1	6·4
	Thorney Island	57	36	36	Tr	Tr	*
	Lympne ...	54	35	33	-	-	5·6
	Manston ...	53	43	40	-	-	6·2
2	Shoeburyness ...	57	44	35	-	-	5·8
	Felixstowe ...	56	43	37	-	-	5·6
	Gorleston ...	53	43	37	-	-	3·4
	Mildenhall ...	56	41	36	-	Tr	3·9
	Cranwell ...	54	44	42	-	-	2·6
3	Birmingham ...	53	46	44	-	-	0·6
	Upper Heyford	54	42	35	-	-	*
4	Ross-on-Wye	56	42	32	-	-	6·3
5	Hartland Point	49	43	43	-	-	4·0
	Bristol ...	56	35	30	-	-	5·8
	Portland Bill ...	52	40	*	-	-	*
	Plymouth ...	51	34	25	-	-	2·0
	The Lizard ...	53	40	*	-	-	1·7
	Scilly (St. Mary's)	52	46	*	-	-	0·0
	Guernsey ...						
6	Pembroke ...	51	46	*	-	-	3·9
7	Holyhead (Valley)	50	45	45	Tr	Tr	*
	Chester (Sealand)	52	47	46	-	-	0·0
8	Manchester ...	49	45	45	Tr	-	*
10	Spurn Head ...	49	44	*	-	-	2·4
	Catterick ...	56	45	36	-	-	3·7
	Tynemouth ...	53	47	44	-	-	*
11	St. Abbs Head	54	43	*	-	-	*
	Leuchars ...	55	45	40	-	-	
12	Renfrew (Abbotsl.)	53	47	45	Tr	Tr	0·4
	Eskdalemuir ...	48	38	36	Tr	Tr	0·0
	Point of Ayre ...	50	44	*	-	-	0·0
13A	Tiree	51	46	45	Tr	0·2	1·4
13B	Stornoway ...	51	44	41	Tr	0·6	0·2
15	Dalwhinnie ...	52	43	40	-	Tr	1·7
	Aberdeen † ...	61	50	41	-	-	2·1
	Wick ...	55	45		1	Tr	*
16	Sumburgh ..	48	42	39	2	0·5	0·0
17	Blacksod Point	51	46	*	0·5	0·2	*
18	Malin Head ...	49	46		Tr	0·1	0·2
	Aldergrove ...	49	43	37	Tr	Tr	0·0
19	Birr Castle ...	51	45	43	0·1	0·3	0·1
20	Valentia Obsy.	51	45	44	Tr	3	0·0
	Roches Point	53	46	*	Tr	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st March ..... 18h. G.M.T.						01h. G.M.T. 2nd March ..... 07h. G.M.T.					
IIII	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	02	22748	56868	52	05637	56858	02	54638	57858	5-	02755	60666
115	52	61735	53588	52	52735	31668	52	62735	31668	87	14845	98567
203												
206	26	01963	55614	74	02862	57615	50	01863	57813	54	01854	24314
210	54	02961	54615	57	02953	22526	50	01963	56913	5-	10947	23367
220	52	51625	21358							52	02725	25388
230	5-	52847	18457	53	02853	20424	5-	02848	24458	5-	02846	20328
245	09	02890	22417	24	02951	55616	04	01890	56513	55	02963	22425
260	57	05646	57328	57	05546	57528	5-	05544	57624	57	05655	20226
278	5-	02834	24328	5-	02837	26427	5-	51748	26428	5-	02848	25458
279	52	21637	21468	54	21737	22357	52	02746	23228			
285				5-	51628	26658						
288	54	01863	22324	54	01854	55414	00	00890	22310	54	02854	20217
575	5-	51637	24257	5-	21748	24258	5-	51748	26358	5-	52638	26158
301	5-	51726	24458	5-	05638	23458	5-	05656	22326	57	06657	26328
321	57	05555	26427	57	05545	26428	5-	05645	26225	5-	05645	26425
2..	04	01790	24314				04	01790	24401	04	01790	26302
292	04	02790	22325	54	01762	24414	04	01890	24212	57	02853	24315
310	--	48209	24529	--	46609	24559				--	57209	24559
614	54	05651	25327	57	05557	24328	52	05556	26328	5-	05657	26227

13h. G.M.T. 1st March ..... 18h. G.M.T.						01h. G.M.T. 2nd March ..... 07h. G.M.T.					
IIII	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	5-	02758	26228	5-	02844	30128	5-	02648	00058	52	52634	28258
334				--	10645	28316				--	03637	24128
340	50	02756		5-	05648	28228	5-	02748	28158			
136	03	05690	24317	04	05690	23327	5-	05638	24418	03	05690	23313
336	13	01753	28415	57	05546	24428				57	02656	28328
350	50	05664	26325	03	05690	24228	5-	05548	26228	5-	05648	28328
368	00	05690	24315	00	05690	26327	50	05564	28314	--	47109	00049
379	70	02854	28325	00	01890	24215	5-	05638	28228	5-	02638	30428
390	04	05690	24425	03	05590	26325	5-	08488	26228	5-	05648	28228
382	14	02852	28325	00	02890	00025	5-	05648	28228	5-	02748	30228
438	54	05663	32215	54	05663	28214	00	05690	30300	5-	46328	28348
430	44	02853	30225	40	05661	00025	00	05690	00010	5-	05638	28128
409	5-	02758	31128	54	02825	32326	5-	02747	00027	50	02845	03215

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd March

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 ...	bcmcy	cybcz$_o$	bcbmum$_o$	Kew 24 hours ended 7h. Max. Time 0·8 18h on 1st. Min. Time <0·1 11-12h on 1st
Croydon ...	cmcz$_o$	bcbzcbz	bm	
Greenwich ...	fbcy	bcy	bcbom$_o$	
Camden Square	c	c	*	
Kensington ...	bc	bc	*	
Hampstead ..	bc	bc	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 ...	55	43	25	-	-	6·5	*	*
Croydon ..	55	43	37	-	-	6·7	*	*
Greenwich ..	55	44	32	-	-	4·5	59	84
Westminster ..	58	43	36	-			88	83
Regents Park ..	56	46	38	-	-		60	85
Camden Square	57	45	33	-	-	*	*	86
Kensington ...	55	44	36	-	-		68	86
Hampstead ...	56	41	35	-	-		*	91

SECRET

BRITISH SECTION

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

Wednesday 3rd March 1943.

No. 29686

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

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)	34.3	-12	N'W	2	Zo	50	75	42	6	5	-	-	10	10	2500
	Croydon	34.7	-4	NW	2	Zo	45	85	44	5	5	-	-	10	10	1500
	S. Farnborough	34.8	-18	NW'N	3	Zo	49	75	43	6	5	-	-	10	10	1200
	Boscombe Down	35.2	-14	NNW	2	Zo	48	85	43	6	5	-	-	10	10	1000
	Thorney Island	34.7	-12	NW'N	2	c	49	85	44	7	5	2	-	9+	10	1500
	Lympne	34.4	-14	N'W	2	Zo	49	85	43	6	5	-	-	10	10	800
	Manston	34.2	-10	NW	2	Zo	49	85	45	6	5	-	-	10	10	1000
2	Shoeburyness	34.1	-10	NW	2	Zo	52	75	45	6	5	-	-	9+	9+	1700
	Felixstowe	33.7	-6	NW'W	3	bc	52	75	45	7	5	-	-	4-6	4-6	1600
	Gorleston	32.6	-6	NNW	4	bc	53	75	46	7	1	-	-	4-6	4-6	2200
	Mildenhall	33.8	-12	W'N	3	c-bc	51	75	44	7	5	-	-	7-8	7-8	2500
	Cranwell	33.1	-14	WNW	4	Zo	55	65	43	6	-	-	-	0	0	-
3	Birmingham	35.4	-14	NW	4	Zo	46	75	39	5	5	2	-	9+	10	1500
	Upper Heyford	34.8	-12	NW'N	3	Zo	47	85	43	5	5	-	-	10	10	900
4	Ross-on-Wye	35.7	-14	NNW	2	c-bc	48	85	43	8	5	-	-	7-8	7-8	2000
5	Hartland Point	35.2	-16	N	2	c	47	92	43	8	5	-	-	9+	9+	2500
	Bristol	35.7	-10	NW	2	Zo	48	85	44	5	5	-	•	10	10	1500
	Portland Bill	35.1	-6	WNW	2	o	47	85	43	7	5	-	-	10	10	2500
	Plymouth	35.7	-18	SW	2	Zo	51	75	44	6	5	-	-	4-6	4-6	2500
	The Lizard	35.4	-16	NNE	2	o	48	85	44	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	35.6	-4	NE'E	1	c	52	75	46	8	5	-	-	10	10	1600
	Guernsey															
6	Pembroke	36.5	-10	NE'N	3	c	49	85	46	8	8	-	-	10	10	2500
7	Holyhead (Valley)	36.0	-2	NW'N	2	c	49	85	43	8	8	-	-	10	10	1500
	Chester (Sealand)	35.3	-18	WNW	2	c	49	75	41	7	7	-	-	9+	9+	2000
8	Manchester	34.9	-10	WNW	3	c	48	75	42	8	5	-	-	10	10	2000
10	Spurn Head	32.6	0	W	3	b	50	65	38	7	-	-	-	0	0	-
	Catterick	32.5	-12	NW	3	b-bc	55	65	44	8	5	4	3	Tr	2-3	3000
	Tynemouth	32.0	-2	W	4	bc	52	75	42	7	1	3	2	2-3	4-6	3000
11	St. Abbs Head	30.7	+2	W	3	c-bc	52	85	48	7	5	4	-	4-6	7-8	3500
	Leuchars	30.4	-2	W	3	c	55	65	44	8	1	-	9	7-8	9+	3000
12	Renfrew (Abbots I.)	32.9	-2	W	3	c	53	85	47	8	7	4	-	4-6	9+	1400
	Eskdalemuir	32.8	-2	WNW	4	c	49	85	43	8	5	-	-	9+	9+	2200
	Point of Ayre	35.0	+6	W'N	4	f	51	85	47	8	5	-	-	9+	9+	1600
13A	Tiree	34.2	+2	WNW	3	c/d	49	97	49	6	5	-	-	10	10	1000
13B	Stornoway	32.6	+10	WNW	4	c	47	85	41	8	5	-	-	9+	9+	3200
15	Dalwhinnie	32.3	+4	WNW	3	c	46	85	41	7	5	-	-	9+	9+	1500
	Aberdeen	30.1	+12	NW	5	c	51	65	38	8	5	3	-	Tr	9	3500
	Wick	30.5	+18	WNW	4	c/r	46	75	38	7	5	7	-	7-8	9	2500
16	Sumburgh	26.9	+32	NW	6	c-bc	42	75	34	8	2	7	-	4-6	7-8	2000
17	Blacksod Point	37.1	-14	WSW	2	c	48	85	43	8	5	-	-	10	10	1500
18	Malin Head	35.0	-6	W'N	3	id	49	97	48	6	8	2	-	7-8	10	800
	Aldergrove	35.9	-6	W'S	2	c	49	85	44	8	5	-	-	10	10	2000
19	Birr Castle	36.8	-18	WNW	2	c	49	75	41	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	37.2	-18	E'N	3	c	48	85	43	9	5	-	1	9	9+	2500
	Roches Point	36.8	-16	N	1	c	47	97	46	8	5	-	-	9+	9+	1500

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

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)	32.8	-4	N'W	2	Zo	48	75	46	5	5	-	-	10	10	2500	1	*
Croydon	32.4	-6	N'W	2	oft	49	85	45	3	5	-	-	10	10	1200	0	*
S. Farnborough	32.6	-4	N'W	2	Zo	48	85	43	5	5	-	-	10	10	1000	0	*
Boscombe Down	32.6	-4	N'E	1	Zo	47	85	43	6	5	-	-	10	10	1000	0	*
Thorney Island	32.1	-14	N'E	2	Zo	49	85	44	6	5	2	-	9+	10	1500	1	*
Lympne	32.9	-4	-	0	Zo	46	92	44	5	5	-	-	10	10	1200	1	§
Manston	32.3	+2	-	0	m	45	92	43	4	5	-	-	2-3	2-3	1500	1	*
Shoeburyness	32.0	0	-	0	Zo	48	85	43	6	5	-	-	9+	9+	1500	1	*
Felixstowe	32.6	-2	..	0	Zo	49	85	45	5			-	0	0	3800	0	o
Gorleston	31.8	-2	NNW	2	c-bc	50	75	41	7	5	3	-	4-6	7-8	2000	0	2
Mildenhall	32.0	-4	SSW	1	Zo	52	75	45	6	5	-	-	9+	9+	2500	0	*
Cranwell	31.6	-2	NW	3	Zo	52	85	45	5	5	-	-	9+	9+	4000	0	*
Birmingham	32.3	-8	NW	3	Zo	46	85	42	6	5	-	-	9	9	1500	1	*
Upper Heyford	32.5	-8	NW'N	1	Zo	42	92	39	5	-	-	6	0	7-8	-	0	*
Ross-on-Wye	33.0	-10	NE'N	2	c	47	75	40	7	5	-	-	10	10	2000	1	*
Hartland Point	32.1	-16	NE	2	c	46	92	44	7	5	-	-	10	10	2000	0	2
Bristol	33.5	-6	NNE	3	Zo	47	85	43	5	5	-	•	10	10	1500	1	*
Portland Bill	31.7	-10	NE	2	o	46	92	44	7	5	-	-	10	10	2500	1	2
Plymouth	32.3	-4	S	1	Zo	47	92	45	6	5	-	-	4-6	4-6	3000	0	1
The Lizard	31.6	-16	E	3	bc	47	75	43	8	4	3	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	31.3	-24	NE	4	c	47	85	40	8	5	-	-	10	10	1500	0	3
Guernsey																	
Pembroke	33.3	-12	NE'N	3	c	46	92	44	8	5	-	-	10	10	1800	0	2
Holyhead (Valley)	34.3	-2	NNW	1	c	47	92	45	8	5	-	-	10	10	3000	1	1
Chester (Sealand)	33.6	-6	WNW	3	c	47	85	43	8	5	-	-	10	10	3000	0	*
Manchester	33.2	-6	WNW	3	Zo	47	85	43	5	5	-	-	10	10	1500	1	*
Spurn Head	32.1	0	NNE	3	c	49	75	42	7	7	-	-	9+	9+	4000	0	1
Catterick	32.0	-4	NW	2	c-bc	50	85	44	8	5	9	8	2-3	7-8	2600	0	*
Tynemouth	31.5	0	WNW	3	Zo	50	75	43	6	2	3	-	4-6	7-8	2400	0	3
St. Abbs Head	30.8	+8	ESE	2	o	45	97	45	7	5	-	-	10	10	2500	0	3
Leuchars	31.9	+16	SE	2	c	49	75	43	7	5	-	8	7-8	9+	3000	0	*
Renfrew (Abbots I.)	32.5	+4	NW'W	2	c	50	85	44	7	8	4	2	4-6	9	1800	1	*
Eskdalemuir	32.2	-2	-	0	bc	47	75	40	8	5	7	1	4-6	4-6	1900	1	*
Point of Ayre	33.5	-8	NW'W	3	c	48	97	47	7	6	-	-	9+	9+	1000	1	2
Tiree	34.5	+6	NNE	2	c	46	97	45	7	8	7	-	4-6	9	4000	1	1
Stornoway	33.9	+14	NW	1	c	45	85	41	8	5	-	-	9+	9+	3200	1	2
Dalwhinnie	33.0	+6	W	1	c	41	85	35	8	5	4	6	4-6	9+	2500	0	*
Aberdeen	32.0	+18	NNW	2	c	45	65	35	8	5	4	9	4-6	9	4000	0	2
Wick	32.0	+28	NW'W	4	c	43	75	32	8	5	3	1	7-8	9	4000	0	*
Sumburgh	29.5	+18	NW	5	c	39	75	32	8	5	-	-	9+	9+	2000	1	4
Blacksod Point	34.8	-18	WNW	1	c/d	49	92	47	8	5	-	-	9+	9+	1500	1	[illegible]
Malin Head	33.9	-2	NW	2	dod	48	97	47	7	-	2	-	10	10	800	1	3
Aldergrove	34.4	+2	W'N	1	ido	49	92	47	5	6	2	-	9+	10	800	1	*
Birr Castle	34.2	-12	NNW	1	c	49	85	47	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	34.8	-18	WNW	1	c/d	49	92	47	8	5	-	-	9+	9+	1500	1	2
Roches Point	33.9	-2	NW	2	dod	48	97	47	7	-	2	-	10	10	800	1	3

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)	cmo	cmo	bbcmu	bccmmu
Croydon	cm	cmcmcf	cfcmbcm	bccmcfu
S. Farnborough	ccm zo	czomo	cbccmu	cmubccmmof
Boscombe Down	cfmcmo	cmf	cm	cmbmofcm
Thorney Island	cmxmc	ccmo	cm	cmbcm
Lympne	cmuommo	[illegible]	cm	cm
Manston	omcmo	cmo	bccmcm	cm
Shoeburyness	cmzoc	czcmc	cmo	cmo
Felixstowe	bcmcmobc	bccmo	cm	cmcm
Gorleston	bczo	bcczo	czz	c
Mildenhall	bcmo, c	cbz czo	cm	cm
Cranwell	cmocbzo	bzbccmo	cmid	cm
Birmingham	oz	ccz	crrc	cz
Upper Heyford	omcmo	cmo	bcmbm	cmcm
Ross-on-Wye	c	coc	cbc	cmf
Hartland Point	c	c	c	c
Bristol	cmo	cmo	cmcfcm	cmcm
Portland Bill	o	o	oo	oo
Plymouth	bmifbcmo	bczo czo	bccm	bccm
The Lizard	co	obc	coc	coid
Scilly (St. Mary's)	c	c	cbcc	cror
Guernsey				
Pembroke	c	c	c	cm
Holyhead (Valley)	cidomoc	c	c	c
Chester (Sealand)	cm	c	cmo	cmir
Manchester	cmidoc	cmo	off	idoff
Spurn Head	b	c	c	o
Catterick	bc	bccbc	cm	cmo
Tynemouth	cqbc	bccmo	cm	cmoc
St. Abbs Head	c	co	copro	obcc
Leuchars	cbcc	c	c	cbo
Renfrew (Abbots I.)	cdodoc	cdodoprdo	cbcbmbccm	cmcmczc
Eskdalemuir	c	cbc	bc	bcc
Point of Ayre	c	cido	cbbcc	coc
Tiree	cidoDD	c	cbc	bccbc
Stornoway	bcc	c	cbc	bccbcm
Dalwhinnie	opro	c		cbco
Aberdeen	bcc	c	c	cx
Wick	cirpc	c	bcc	bc
Sumburgh	cbc	bcc	c	bc
Blacksod Point	c	d	f	bc
Malin Head	r	d	d	c
Aldergrove	c	dodomf	idfbcm	cdodm
Birr Castle	c	c		c
Valentia Obsy.	pr	d	o	d
Roches Point	d	d	o	o

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

Districts	Forecast
1 S.E. England, 2 E. England	Moderate easterly winds; cloudy, becoming fine; rather cold.
3 E. Midlands, 4 W. Midlands	Moderate easterly winds; cloudy; rather cold.
5 S.W. England, 6 South Wales	Moderate to fresh easterly winds; cloudy, with occasional rain; some hill fog; rather cold.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	As 3-4.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Light or moderate southeast winds; cloudy today, fine tomorrow, rather cold.
15 N.E. Scotland, 16 Orkneys and Shetlands	Light to moderate southwest winds; fair, rather cold.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Moderate easterly winds, cloudy; occasional rain or drizzle, some hill fog; rather cold.

GENERAL INFERENCE

Pressure is high over the North Sea and low to the west of Portugal; weather will be mainly cloudy and rather cold in all districts, with local rain and drizzle in the west and southwest.

FURTHER OUTLOOK

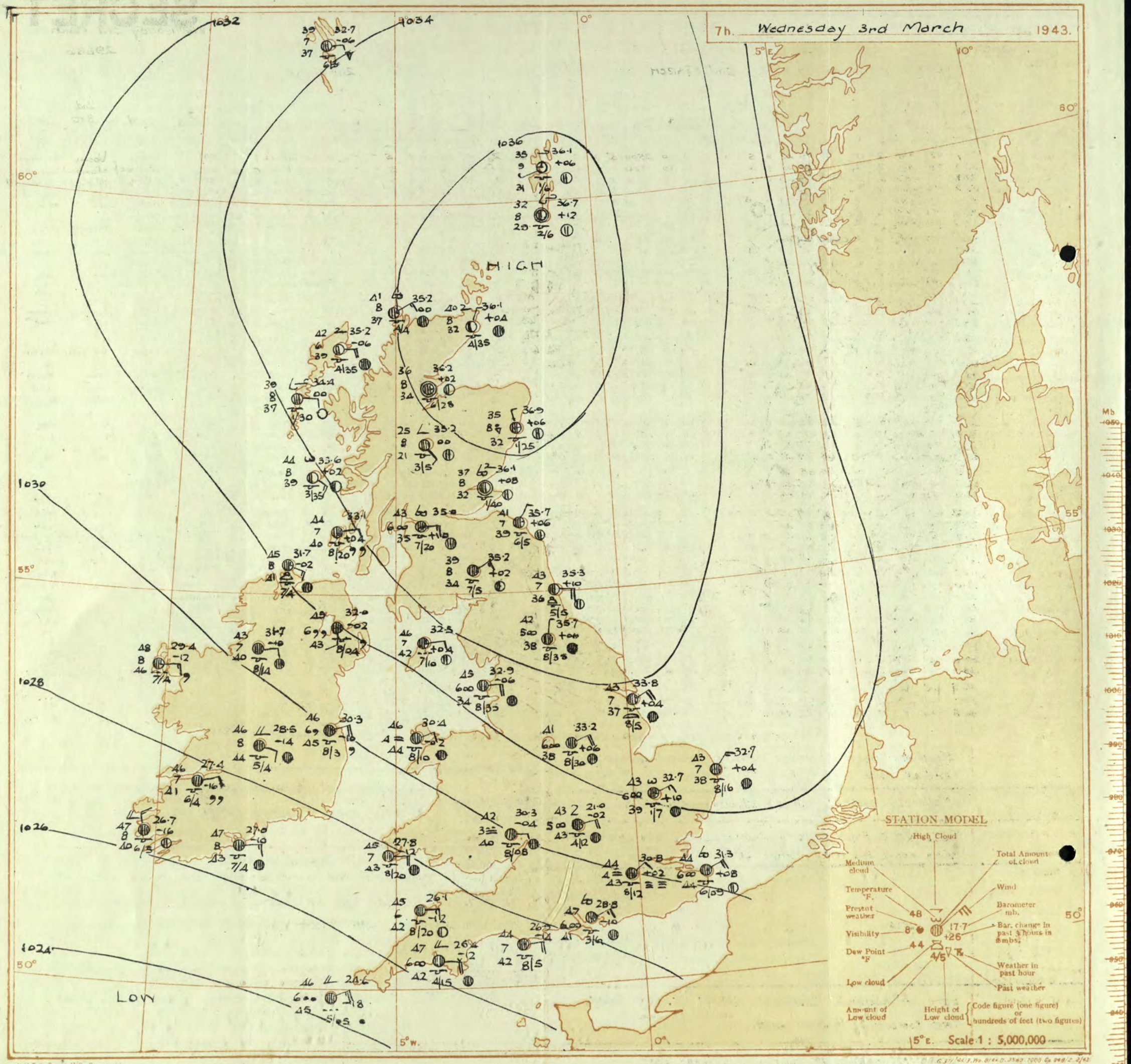
Cloudy in the West, with local rain; fair in the East.

Forecasts issued at 1030

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

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

7h. Wednesday 3rd March 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 3rd March 1943

No. 29686

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	31·4	-6	-	0	m	44	92	41	4	5	-	-	4-6	4-6	1800
	S. Farnborough	226	31·2	-8	NE'E	1	z0	44	85	41	6	5	-	-	10	10	3000
	Boscombe Down	417	30·9	-6	E'N	2	z0	44	92	42	6	5	-	-	10	10	1900
	Thorney Island	10	30·6	-10	NE'E	1	z0	47	85	43	6	5	-	-	10	10	2300
	Lympne	283	31·1	-8	NNE	1	m	44	92	42	4	5	-	-	9+	9+	2200
	Manston	154	31·2	-10	E'N	3	z0	45	92	43	5	5	-	-	10	10	3600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	31·4	-8	NE	3	m	46	85	42	4	5	-	-	10	10	3200
	Gorleston	5	32·3	0	N'E	1	z0	43	92	40	5	5	-	-	10	10	1500
	Mildenhall	15	31·5	-6	NE	2	z0	47	85	43	6	5	-	-	10	10	3300
	Cranwell	203	32·2	-2	E'N	3	id0	45	92	44	5	5	-	-	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	31·5	-2	-	0	m	35	97	38	4	5	-	-	7-8	7-8	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·4	-12	ENE	3	c	46	92	44	7	5	-	-	9+	9+	2500
	Bristol	209	31·2	-10	ENE	1	z0	45	85	42	5	5	-	-	10	10	2000
	Portland Bill	32	29·8	-8	NE	3	o	43	92	41	7	5	-	-	10	10	2500
	Plymouth	82	30·0	-14	E	3	z0	46	85	42	5	5	-	-	7-8	7-8	2000
	The Lizard	240	29·1	-3	ENE	4	c	46	85	43	7	5	-	-	9+	9+	1000
	Scilly (St. Mary's)	163	29·0	-8	ENE	2	c	46	85	43	7	5	2	-	7-8	9+	1500
	Guernsey	175															
6	Pembroke	142	30·6	-14	ENE	3	c	46	92	43	8	5	-	-	10	10	1500
7	Holyhead (Valley)	32	32·0	-10	-	0	c	47	92	45	8	5	-	-	10	10	700
	Chester (Sealand)	16	31·7	-10	-	0	c	46	85	43	6	5	-	-	10	10	1700
8	Manchester	235	32·2	-6	NE	2	df	45	97	45	3	5	-	-	10	10	1500
10	Spurn Head	29	32·9	+4	N'E	3	o	44	92	42	7	7	-	-	9+	9+	2500
	Catterick	175	35·5	+18	N	1	z0	44	85	39	5	5	-	-	10	10	2400
	Tynemouth	108	33·9	+4	N	2	z0	44	85	39	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	34·5	+18	-	0	o	43	92	41	7	5	-	-	10	10	2500
	Leuchars	36	34·9	+6	-	0	c	43	75	35	8	5	7	-	4-6	9	2500
12	Renfrew (Abbots I.)	19	33·9	+4	ENE	2	z0	44	83	39	6	5	-	6	2-3	7-8	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	32·3	+6	ENE	2	c	46	97	45	8	5	-	-	9+	9+	2500
13A	Tiree	44	33·9	-10	NNE	2	bc	43	85	39	8	5	-	-	4-6	4-6	3000
13B	Stornoway	15	36·2	-2	-	0	bc	43	85	39	7	5	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	35·2	+6	NW	2	cr0	41	75	34	8	5	-	-	7-8	7-8	3000
	Wick	114	34·9	+2	-	0	c	39	85	34	8	5	7	-	7-8	9	3000
16	Sumburgh	19	35·4	+24	N	2	bc	34	85	31	8	5	-	-	4-6	4-6	3500
17	Blacksod Point	18	32·4	-16	-	id0	df	48	97	48	7	6	2	-	4-6	10	1500
18	Malin Head	84	33·7	-2	NE'N	2	bc	45	75	37	8	5	-	-	4-6	4-6	1500
	Aldergrove	268	33·3	-10	NNW	1	z0	43	97	42	6	5	-	-	4-6	4-6	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·1	-18	ENE	2	o	47	75	39	8	5	-	-	10	10	2500
	Roches Point	22	30·9	-18	NE	1	c	46	92	44	8	5	-	-	9+	9+	1500

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

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)	30·7	0	ENE	3	z0	46	85	42	5	5	-	-	10	10	1500	1	*
Croydon	30·8	+2	NE	2	m/f	44	97	43	4	5	-	-	10	10	1200	0	*
S. Farnborough	30·2	-2	NE'E	2	cf	43	92	41	3	-	2	-	10	10	5000	0	*
Boscombe Down	29·7	-6	ENE	3	cf	41	92	39	5	-	3	7	0	10	-	0	*
Thorney Island	28·8	-10	NE'E	3	z0	47	75	41	6	5	7	-	2-3	9+	4000	1	*
Lympne	30·9	+4	NNE	2	z0	44	92	42	6	5	2	-	9+	10	2800	1	§ 2
Manston	31·3	+6	NE'E	4	z0	44	97	44	6	5	7	-	9	10	900	0	*
Shoeburyness	31·7	+12	NE	4	z0	42	85	39	6	5	7	-	4-6	9	2500	1	*
Felixstowe	32·2	+10	NE'N	4	z0	43	85	39	6	-	4	-	0	9	-	0	3
Gorleston	32·7	+4	NE'N	3	c	43	85	38	7	5	-	-	10	10	1600	0	3
Mildenhall	32·7	+10	NE'E	3	z0	43	85	39	6	5	3	-	Tr	9+	5700	0	*
Cranwell	33·3	+6	E'N	3	z0	42	92	39	6	5	3	-	7-8	10	2500	0	*
Birmingham	32·0	0	E	3	z0	43	85	39	5	5	-	-	10	10	1500	1	*
Upper Heyford	31·0	-2	ENE	4	z0	43	97	43	5	5	-	6	4-6	9+	1200	0	*
Ross-on-Wye	30·3	-4	E	1	of	42	92	40	3	5	-	-	10	10	800	1	*
Hartland Point	26·1	-12	E	3	c	45	92	42	6	5	-	-	10	10	2000	0	3
Bristol	29·9	-2	SE	2	m	41	97	40	4	-	7	-	0	10	-	1	*
Portland Bill	26·9	-14	E	4	o	44	92	42	7	5	-	-	10	10	2500	0	4
Plymouth	26·4	-12	E	4	z0	47	85	43	6	5	2	-	4-6	10	1500	0	1
The Lizard	25·0	-16	E	5	id0	47	92	45	6	5	-	-	10	10	1000	1	4
Scilly (St. Mary's)	24·6	-18	ENE	5	r0r0	46	97	45	6	6	2	-	7-8	10	500	1	4
Guernsey																	
Pembroke	27·8	-12	E	4	c	45	85	43	7	5	-	-	10	10	2000	0	3
Holyhead (Valley)	30·4	-2	ENE	2	m	46	92	44	4	5	-	-	10	10	1000	1	1
Chester (Sealand)	31·7	0	E	2	c	45	75	37	6	5	-	-	10	10	2500	0	*
Manchester	32·7	+2	E'N	4	z0	43	75	36	6	5	-	-	10	10	2500	0	*
Spurn Head	33·8	+4	NE'E	4	c	43	85	37	7	7	-	-	10	10	2500	0	
Catterick	35·7	+6	NNE	1	z0	42	85	30	5	5	-	-	10	10	3800	0	*
Tynemouth	38·3	+10	E	4	c-bc	43	75	36	7	8	-	-	7-8	7-8	2500	0	3
St. Abbs Head	35·7	+6	NNE	1	c	41	92	39	7	5	-	-	9	9	2500	0	2
Leuchars	36·1	+8	-	0	c-bc	37	85	32	8	5	7	5	Tr	7-8	4000	0	*
Renfrew (Abbots I.)	35·0	+10	E	3	z0	43	75	35	6	5	7	-	9+	9+	2800	0	*
Eskdalemuir	35·2	+2	NE'E	3	c	39	85	34	8	5	-	-	9+	9+	2500	0	
Point of Ayre	32·5	+4	E	2	c	46	85	42	7	6	-	-	9+	9+	1000	0	3
Tiree	33·6	+2	ESE	3	bc	44	85	39	8	5	3	-	2-3	4-6	3500	1	3
Stornoway	35·2	-6	E	4	bc	42	92	39	6	5	-	5	4-6	4-6	3500	1	2
Dalwhinnie	35·2	0	SE	1	c	25	89	21	8	5	1	-	2-3	10	2500	3	*
Aberdeen †	36·9	+6	NNW	1	pr0	35	92	32	8	5	3	7	Tr	9	2500	1	1
Wick	36·1	+4	NNE	1	bc	40	75	32	8	5	-	5	4-6	4-6	3500	0	*
Sumburgh	36·7	+12	-	0	bc	32	92	29	8	5	4	1	1	4-6	4000	3	3
Blacksod Point	29·4	-12	E	3	c	48	92	46	8	6	-	-	9+	9+	1500	1	3
Malin Head	31·7	-2	ESE	3	c	45	85	41	8	8	-	-	9+	9+	1500	1	3
Aldergrove	32·0	-2	S	2	d0d0	45	92	43	6	5	-	-	10	10	400	1	*
Birr Castle	28·5	-14	ESE	2	c	46	92	44	8	5	2	-	7-8	10	1500	1	*
Valentia Obsy.	26·7	-16	N	3	c	47	75	40	8	5	2	-	9	10	2500	1	1
Roches Point	27·0	-10	E	3	c	47	85	43	8	5	-	-	9+	9+	1500	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 2nd Hrs. (38)
London (Kew)	51	42	29	-	Tr	0·0
Croydon	51	43	33	-	Tr	0·0
S. Farnborough	50	39	32	-	-	0·0
Boscombe Down	49	40	36	-	-	0·0
Thorney Island	51	45	41	-	-	*
Lympne	49	41	32	-	-	0·0
Manston	50	43	39	-	-	0·8
Shoeburyness	53	41	33	-	-	0·8
Felixstowe	55	42	41	-	-	8·[illegible]
Gorleston	50	42	38	-	-	6·8
Mildenhall	56	42	40	-	-	3·3
Cranwell	57	42	41	-	-	3·4
Birmingham	47	43	34	-	-	
Upper Heyford	47	38	32	-	-	*
Ross-on-Wye	49	41	33	-	-	0·0
Hartland Point	47	42	42	-	-	0·0
Bristol	48	40	31	-	-	0·0
Portland Bill	47	41	*	-	-	*
Plymouth	53	42	33	-	-	7·1
The Lizard	51	44	*	-	0·5	4·2
Scilly (St. Mary's)	52	45	*		2	0·2
Guernsey						
Pembroke	49	44	*	Tr	-	0·0
Holyhead (Valley)	50	45	44	-	-	*
Chester (Sealand)	50	45	43	Tr	Tr	0·1
Manchester	49	43	36		Tr	*
Spurn Head	54	38	*	-	-	6·3
Catterick	56	42	36	-	-	9·1
Tynemouth	54	43	42	-	-	*
St. Abbs Head	54	41	*	-	Tr	*
Leuchars	56	36	28	-	-	0·7
Renfrew (Abbots I.)	53	43	39	Tr	-	0·8
Eskdalemuir	51	38	34	-	-	0·7
Point of Ayre	52	44	*	Tr	-	1·1
Tiree	50	41	37	-	-	0·6
Stornoway	48	41	37	-	-	0·5
Dalwhinnie	47	23	15	0·2	-	1·0
Aberdeen †	52	34	25	-	-	2·2
Wick	50	37	37	Tr	-	*
Sumburgh	45	31		-	-	2·5
Blacksod Point	50	47	*	0·3	0·4	*
Malin Head	49	43		0·4	0·1	0·1
Aldergrove	50		34	0·3	Tr	0·0
Birr Castle	50	46	43	Tr	-	0·4
Valentia Obsy.	50	44	39	0·3	-	0·3
Roches Point	48	46	*	0·4	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 2nd March $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 3rd March $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	5-	02737	27527	5-	02757	29427	5-	05665	01315	54	01763	07[illegible]4
115	52	02745	28428	52	02845	28327	54	02854	28325	57	02844	04327
203	8-	02845	28325	5-	02847	32327				54	02954	08316
206	53	01864	28414	56	02864	26215	50	01864	28114	5-	07856	00016
210	7-	01754	27224	5-	02755	28226	5-	02865	26215	53	02874	12127
220				50	01754	29214				43	01761	09203
230	5-	21857	26367	57	02855	24126	03	01890	00012	51	02762	08128
245	5-	02755	32317				00	04796	28110	53	05662	03214
260	54	02753	24414	52	02756	18228	5-	05658	09328	5-	05668	07218
278	52	02836	25427	57	02826	27357	50	01853	31123	5-	02868	10428
279	5-	02856	20428	54	02746	22127	5-	05648	06428	53	02775	06628
285	27	05635	26627							5-	03746	08328
288	10	01751	26418	04	05690	22114	6-	05558	04228	52	05566	04228
575	52	21646	24258	53	05644	26256	51	02743	00036	5-	02748	08228
301	5-	02758	25328	5-	05545	28227	5-	08468	06148	5-	05668	08428
321	00	05696	26410				5-	21458	06258	5-	05668	06128
[illegible]	44	01742	28403	54	02754	30315	5-	03758	30327	5-	03758	04428
292	18	01962	28303	53	02863	28326	5-	05658	04128	5-	02768	04228
310	--	02628	22528	--	02428	26418				--	01626	04526
614	00	05696	26300	57	05566	30218	5-	61458	30228	57	05656	06428

III	13h. G.M.T. 2nd March $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 3rd March $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	5-	02845	28328	5-	02867	32227	5-	02768	00028	25	05564	06418
334												
340	5-	02858	28228	5-	05648	28228	5-	08425	04228	5-	05658	08458
136	10	05641	26310	57	02765	04117	5-	05668	05228			
336	53	02756	32328	53	02756	28328				--	46209	04319
350	5-	05644	27328	00	05696	22202	5-	08458	00028	5-	51668	07428
368	5-	05558	16128	5-	05544	00028	5-	05548	06228	5-	08448	06428
379	5-	17638	28428	5-	17645	28227	5-	05648	28128	5-	47318	04328
390	5-	05658	28328	5-	05548	28228	50	08454	24224			
382	5-	02748	30328	5-	05647	00027	50	08454	07154			
438	52	08437	28248	5-	04338	00048				87	02745	02447
430	5-	05637	32128	5-	05638	04228	5-	05558	06228	53	05662	06327
409	5-	10858	02228	55	02845	02326	57	05543	06113	5-	05644	04128

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd March. 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	cm0	cm0	bbcmw
Croydon	cm0	cm0cmcf	cfcmw
Greenwich	om0	om0	om0bc
Camden Square	o	c	*
Kensington	o	c	*
Hampstead	o	o	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h 0·5 0/21 3rd. Min. Time 0·1 9/15hrs 2nd.

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	51	42	29	-	Tr	0·0	*	*
Croydon	51	43	33	-	Tr	0·0	*	*
Greenwich	51	43	35	-	-	0·0	75	87
Westminster	52	42	40	-	-	*	73	79
Regents Park	51	43	37	-	-	*	75	76
Camden Square	51	44	37	-	-	*	*	75
Kensington	51	42	36	-	-	*	85	75
Hampstead	49	42	36	-	-	*	85	75

SECRET

BRITISH SECTION

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

Thursday 4th March 1943.

No. 29687

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

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)	30·8	-10	ENE	5	z_0	45	65	35	6	5	2	-	7·8	10	1500
	Croydon ...	30·9	-4	ENE	4	c	44	75	36	6	5	2	-	9+	10	1500
	S. Farnborough	29·9	-12	E	3	c	45	65	35	7	5	1	-	7·8	10	2200
	Boscombe Down	29·3	-6	E'N	5	z_0	44	85	39	6	5	-	-	10	10	800
	Thorney Island	28·8	-4	E	4	c	46	75	39	7	5	-	-	10	10	1500
	Lympne ...	30·9	-6	ENE	3	c	43	75	35	8	5	-	-	7·8	10	1000
	Manston ...	31·5	-4	E'N	4	c	44	75	36	8	5	-	-	10	10	1800
2	Shoeburyness ...	31·4	-6	E	5	c	45	75	36	7	5	-	-	10	10	800
	Felixstowe ...	32·5	-4	NE	5	c	43	75	35	7	5	-	-	10	10	2900
	Gorleston ...	34·0	-2	ESE	4	c	42	85	37	7	8	-	-	9+	9+	1500
	Mildenhall ...	33·1	-2	E'N	4	c	43	65	32	8	5	-	-	10	10	2500
	Cranwell ...	33·9	-2	E'N	5	c	42	75	34	8	5	2	-	9	10	3000
3	Birmingham ...	31·3	-6	E	4	c	42	75	35	7	5	-	-	10	10	1500
	Upper Heyford	31·2	-6	E'N	4	c	42	75	35	7	5	2	-	9	10	1100
4	Ross-on-Wye	30·0	-6	E	4	c	45	65	34	7	5	2	-	7·8	10	2000
5	Hartland Point	25·5	-2	ENE	4	c	47	85	43	6	5	-	-	9+	9+	1500
	Bristol ...	29·8	-6	E	4	o/r	44	85	40	6	5	-	-	10	10	1500
	Portland Bill ...	26·9	-8	E	5	c	46	92	44	7	5	-	-	10	10	2500
	Plymouth ...	25·7	-6	E	5	c	49	85	44	7	5	-	-	7·8	10	1500
	The Lizard ...	23·4	-16	E	6	c	48	85	44	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	22·3	-22	NE'E	5	cjp	50	85	47	6	5	2	-	10	10	1200
	Guernsey ...															
6	Pembroke ...	27·3	-12	ESE	5	c/r	47	97	46	6	5	-	-	10	10	1500
7	Holyhead (Valley)	30·6	-2	E	3	z_0	47	75	38	6	5	7	-	4-6	10	2000
	Chester (Sealand)	32·6	-4	E'S	3	c	45	65	34	6	5	7	-	7·8	10	3000
8	Manchester ...	33·0	-2	ENE	4	c	44	75	35	7	5	-	-	10	10	2000
10	Spurn Head ...	35·3	+6	E	4	c	42	75	36	7	5	2	-	4-6	10	2500
	Catterick ...	35·6	-4	E	2	i_r	43	75	35	8	5	2	-	9	10	2000
	Tynemouth ...	36·2	+4	E	4	c	44	65	36	8	5	-	-	9	9	2700
11	St. Abbs Head	35·5	+2	ESE	2	i_r	41	85	36	7	5	-	-	10	10	2500
	Leuchars ...	36·6	-2	SE	3	i_r	43	75	36	7	5	7	-	7·8	10	3000
12	Renfrew (Abbots I.)	34·7	-6	SE'E	3	z_0	46	65	34	6	5	1	-	7·8	10	2000
	Eskdalemuir ...	35·0	-2	ENE	4	c	42	65	30	8	5	1	-	7·8	9+	2500
	Point of Ayre...	33·1	0	SSE	4	c	46	85	40	7	6	7	-	Tr	10	1000
13A	Tiree	33·1	-6	SE	4	c	45	85	39	8	5	-	-	10	10	4000
13B	Stornoway ...	33·3	-12	SSE	4	c	45	85	40	8	-	4	-	0	10	-
15	Dalwhinnie ...	35·5	+2	SSE	3	c	39	65	28	7	5	-	7	7·8	10	2500
	Aberdeen ...	37·6	+2	SE	3	c	43	55	29	8	5	-	7	4-6	10	2500
	Wick ...	36·1	-6	ESE	3	c-bc	41	65	30	9	5	-	6	4-6	7·8	4000
16	Sumburgh ...	36·6	0	SSW	3	c	42	85	37	9	-	-	7	0	10	-
17	Blacksod Point	27·6	-14	ESE	3	c	49	75	42	7	6	-	-	10	10	1500
18	Malin Head ...	31·1	-6	SE'E	3	c	45	85	41	7	8	2	-	7·8	10	1500
	Aldergrove ...	32·1	-4	E	3	c/d	44	85	39	6	5	2	-	7·8	10	1000
19	Birr Castle ...	28·0	-2	ESE	2	i_r	47	92	45	7	6	2	-	7·8	10	800
20	Valentia Obsy.	25·1	-12	E'N	2	c	49	75	42	7	5	2	-	9+	10	2500
	Roches Point	25·8	-10	E	4	dr	47	97	46	5	5	-	-	10	10	4000

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

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)	29·3	-4	ENE	5	z_0	42	75	33	5	5	2	-	9	10	1500	1	*
	Croydon ...	29·2	-6	NE'E	4	z_0	41	75	35	6	5	2	-	9	10	1400	1	*
	S. Farnborough	28·8	-2	ENE	4	c	41	75	34	7	5	7	-	9+	10	1600	0	*
	Boscombe Down	27·7	-2	E'N	6	c	41	75	35	7	5	7	-	9+	10	1200	0	*
	Thorney Island	27·2	0	NE'E	4	z_0	43	75	34	6	5	3	1	4-6	7·8	1500	0	*
	Lympne ...	29·4	-6	E'N	4	c	41	75	34	7	5	7	-	4-6	10	1500	0	5
	Manston ...	29·8	-8	E	5	c	42	75	35	7	5	-	-	7·8	10	1600	1	*
2	Shoeburyness ...	30·4	-2	ENE	5	c	43	75	35	7	5	-	-	10	10	800	1	*
	Felixstowe ...	31·5	-2	ENE	5	c	43	75	35	7	5	-	-	7·8	10	3000	0	3
	Gorleston ...	32·1	-4	ENE	5	c	42	75	35	7	8	-	-	10	10	1500	0	4
	Mildenhall ...	31·5	-4	E'N	5	c	42	75	33	7	5	7	-	7·8	10	2500	0	*
	Cranwell ...	32·3	-6	ENE	5	c	40	75	34	7	5	2	-	4-6	10	3000	0	*
3	Birmingham ...	30·0	-10	E	4	z_0	40	75	33	6	5	2	-	4-6	10	800	1	*
	Upper Heyford	29·7	-6	E'N	4	c	40	75	33	7	5	2	-	7·8	10	1200	0	*
4	Ross-on-Wye	28·2	-8	E'N	4	c	42	75	33	7	5	-	-	10	10	2000	1	*
5	Hartland Point	23·6	-8	NE	4	c	45	85	41	6	5	-	-	9+	9+	1500	0	4
	Bristol ...	27·4	-10			z_0	43	85	39	6	5	3	-	7·8		1500	1	*
	Portland Bill ...	24·8	-6	ENE	5	c	45	92	43	7	5	-	-	10	10	2500	1	5
	Plymouth ...	23·8	-6	E	6	z_0	45	85	40	7	5	-	-	10	10	1500	0	3
	The Lizard ...	22·0	0	E	6	o	47	92	45	7	5	-	-	10	10	1000	0	4
	Scilly (St. Mary's)	21·3	0	E	4	ojp	47	92	45	6	5	-	-	10	10	800	1	4
	Guernsey ...																	
6	Pembroke ...	25·3	-12	E'S	6	cq	45	92	42	7	5	1	-	7·8	10	1500	0	3
7	Holyhead (Valley)	28·3	-6	E	3	z_0	44	65	34	6	5	2	-	2-3	10	6000	0	2
	Chester (Sealand)	30·8	-6	SE	2	c	43	65	33	6	5	7	-	7·8	10	3000	0	*
8	Manchester ...	31·7	-2	E'S	5	c	41	75	34	7	5	-	-	10	10	1500	1	*
10	Spurn Head ...	33·7	+2	ESE	6	c	43	75	32	7	5	2	-	4-6	10	1500	0	4
	Catterick ...	34·2	0	ESE	2	c	41	75	33	7	5	-	-	10	10	1200	0	*
	Tynemouth ...	34·3	-4	SE	4	c	42	65	32	8	8	-	-	9+	9+	2200	0	3
11	St. Abbs Head	33·5	-4	ESE	4	c	40	85	35	7	5	-	-	9+	9+	3000	0	4
	Leuchars ...	34·5	-10	ESE	3	c	40	85	35	8	5	7	-	1	10	3500	1	*
12	Renfrew (Abbots I.)	32·7	-6	E'S	2	z_0	44	65	34	5	5	7	-	9	9+	2500	0	*
	Eskdalemuir ...	33·3	-4	E	3	c	38	65	28	8	5	-	-	10	10	1800	0	*
	Point of Ayre...	31·0	-4	SE'S	6	c	44	75	37	8	4	4	7	Tr	10	2500	0	4
13A	Tiree	30·6	-12	SE	4	i_r	45	85	39	7	5	2	-	2-3	10	1500	1	3
13B	Stornoway ...	31·3	-6	SE	3	c	45	85	41	8	5	-	-	10	10	4000	1	2
15	Dalwhinnie ...	32·5	-16	S	3	c	36	75	28	7	5	4	7	4-6	10	2500	0	*
	Aberdeen ...	35·1	-14	SSE	3	z_0	42	55	27	6	5	2	7	2-3	9+	3000	0	2
	Wick ...	31·2	-10	SSE	4	c	40	65	30	8	-	7	7	0	10	-	0	*
16	Sumburgh ...	34·6	-14	SSW	4	bc	40	85	35	8	5	-	-	4-6	4-6	3000	1	3
17	Blacksod Point	25·8	-4	SE	3	r_0	48	85	44	7	6	2	-	4-6	10	1500	1	3
18	Malin Head ...	28·7	-14	SSE	3	c/r	43	85	39	8	5	2	-	7·8	10	1500	1	3
	Aldergrove ...	30·3	-6	SE'E	4	z_0	43	75	35	5	5	2	-	9	10	2000	1	*
19	Birr Castle ...	26·5	-4	ESE	1	i_r	45	85	41	7	6	2	-	7·8	10	800	1	*
20	Valentia Obsy.	23·0	-6	E'N	4	c	49	75	42	7	5	2	-	9+	10	2500	1	2
	Roches Point	23·5	-10	E'S	6	c/r	48	97	47	6	5	-	-	9+	9+	4000	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 3rd (39)	13h.—18h. 3rd (40)	18h. 3rd to 1h. 4th (41)	1h.—7h. 4th (42)
1	London (Kew)	c_{m_0}	c_{z_0}	c_{z_0}	c_{m_0}
	Croydon ...	$c_{m_0c_{m_0}}$	c_{m_0}	$c_{bc_{m_0}}$	$b_{c_{m_0c_{m_0}}}$
	S. Farnborough	$o_{cf_{c_{m_0}c}}$	c_{cz_0c}	$e_{b\,m_0}$	$b_{bc_{m_0c_{m_0}}}$
	Boscombe Down	$c_{m_0o_{m_0c_{m_0}}}$	$c_{m_0c_{i_r}o_{m_0}c}$	c_{bbcc}	b_{bccbc}
	Thorney Island	$c_{m_0i_r o_c}$	c_{cm_0}	c_{m_0bcb}	$b_{ccc_{m_0}}$
	Lympne ...	c_{m_0c}	c	c_{bcc}	c_{bc}
	Manston ...	ccv	c	bcc	bcc
2	Shoeburyness ...	$c_{m_0z_0c}$	c	c	c_{m_0}
	Felixstowe ...	c_{m_0c}	c	$c_{m_0c_{z_0}}$	$b_{c_{m_0}c_{m_0}}$
	Gorleston ...	oc	c	c_{bcc}	bc
	Mildenhall ...	c	c	c_{bc}	c_{cm_0}
	Cranwell ...	c	c	c_{bc}	$c_{bc_{m_0}bc}$
3	Birmingham ...	c	coz	oz	oz
	Upper Heyford	c_{m_0}	c	$e_{bc_{m_0}}$	$b_{c\,m_0}$
4	Ross-on-Wye	$o_{f_{m_0cc}}$	c	cc	c_{bcc}
5	Hartland Point	$c_{i_r o}$	c	e	c
	Bristol ...	$c_{m_0r_0d_0}$	c_{m_0}	$c_{m_0bc_{m_0}}$	$b_{cb\times m_0}$
	Portland Bill ...	$o_{f_{c_{m_0}c}}$	c	co	o
	Plymouth ...	$c_{i_r o_c}$	c	c_{m_0}	c_{m_0}
	The Lizard ...	oc	co	$o_{i_r d_0}$	o
	Scilly (St. Mary's)	$c_{i_r o_c}$	c	e	c
	Guernsey ...				
6	Pembroke ...	$c_{r_0r_0m_0}$	m_0c_q	c_q	c_q
7	Holyhead (Valley)	c_{m_0}	c_{z_0}	e_{bcb}	b_{bccx}
	Chester (Sealand)	c_{z_0}	c	c_{z_0}	c_{z_0}
8	Manchester ...	c_{z_0}	c	c_{z_0bc}	bc
10	Spurn Head ...	c	c	o	c_q
	Catterick ...	c_{m_0c}	$c_{i_r o_c}$	c_{m_0cm}	$b_{cm_0cm_0c}$
	Tynemouth ...	c	c	c	c
11	St. Abbs Head	o_{r_0o}	oc	co	oc
	Leuchars ...	b_{cci_r}	$c_{i_r o_c}$	e	c
12	Renfrew (Abbots I.)	$c_{m_0c_{z_0}}$	c_{z_0}	$c_{cz_0m_0}$	$c_{z_0c_{m_0}}$
	Eskdalemuir ...	$c_{i_r o_c}$	c	c_{bc}	b_{cc}
	Point of Ayre...	c	c	$c_{i_r c}$	e
13A	Tiree	bbc	$c_{i_r o}$	e	$c_{r_0r_0}$
13B	Stornoway ...	c	c	$c_{ci_r o}$	$c_{r_0r_0c}$
15	Dalwhinnie ...	oco	o	-	o
	Aberdeen ...	sy	c_{yz_0}	c_{bcz_0}	c_{z_0}
	Wick ...	c	c	c_{bc}	c_{bc}
16	Sumburgh ...	bcc	cbc	c	c
17	Blacksod Point	c	r	*	c
18	Malin Head ...	d	r	*	*
	Aldergrove ...	$c_{d_0d_0c_{m_0}}$	c_{m_0}	$c_{s\,s\,m_0c}$	c_{m_0}
19	Birr Castle ...	r	r	*	*
20	Valentia Obsy.	pr	c	c	bc
	Roches Point	r	r	*	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 4th March

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate to light easterly winds; cloudy; some bright intervals; local fog in Midlands in morning. Rather cold with ground frost inland to-night
5 S.W. England South Wales	Light or moderate easterly winds; cloudy; risk of local rain to-morrow; some hill fog; rather cold.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate southeasterly winds; falling variable, light; cloudy, some bright intervals; local fog to-night. Rather cold, with general ground frost inland to-night and local air frost in morning.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate south to southwest winds, becoming strong in North; cloudy; occasional rain, some hill fog: rather cold.
16 Orkneys and Shetlands	As 13A-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Variable light winds; cloudy; rather cold.

GENERAL INFERENCE

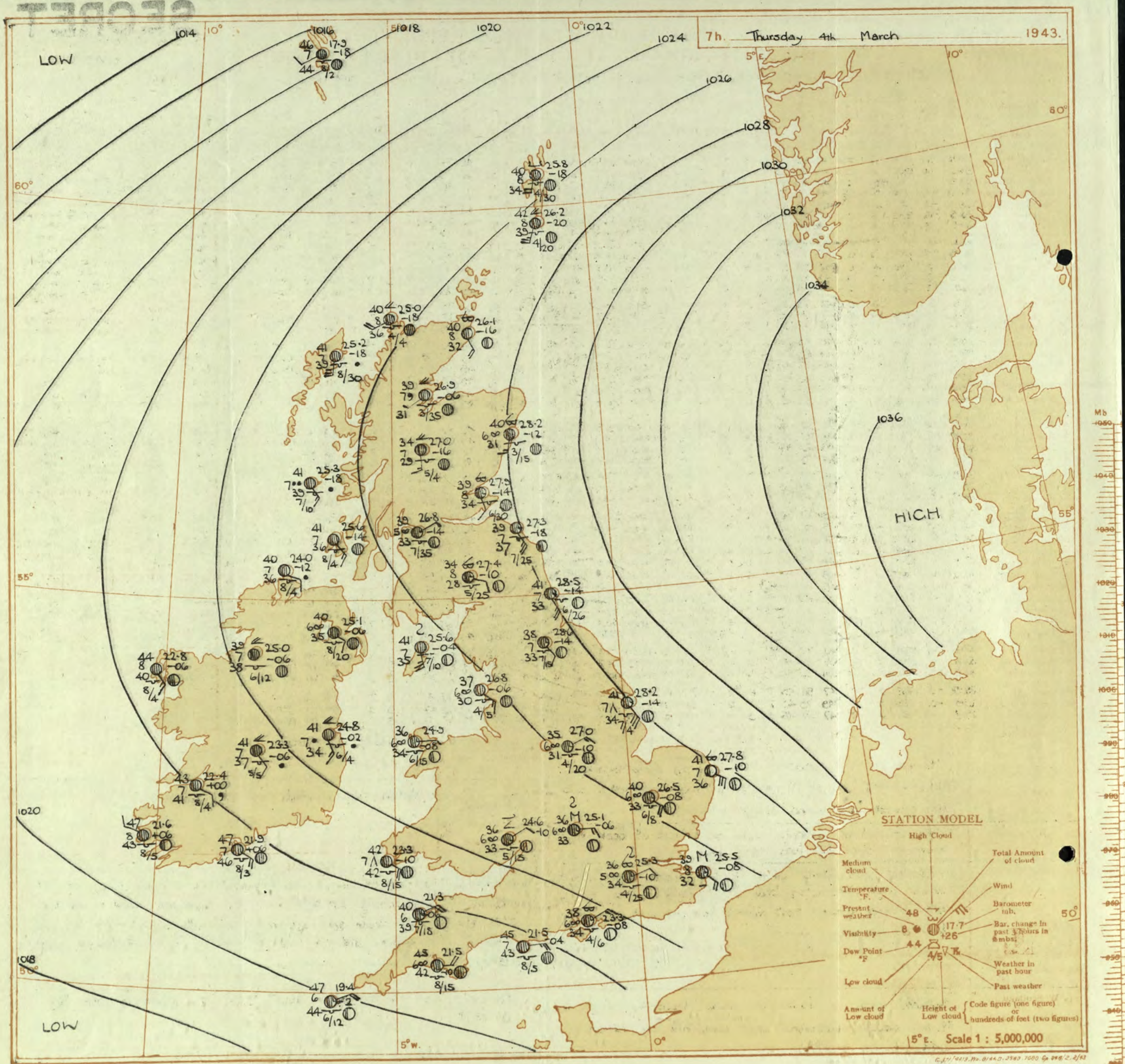
A ridge of high pressure covers the British Isles; a weak trough of low pressure is approaching Scotland from the Northwest. Weather will be rather cloudy and rather cold generally, but with some bright intervals in central and eastern districts; local rain will fall in the Northwest and possibly in the Southwest to-morrow.

FURTHER OUTLOOK

Occasional rain in the North and South; fair elsewhere with fog at night.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 4th March 1943

No. 29687

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

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	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	290	27.9	-10	E'N	4	Z_0	40	85	38	6	5	-	-	4-6	4-6	2800
	S. Farnborough	226	27.1	-14	E	3	Z_0	38	85	33	6	5	-	-	Tr	Tr	1500
	Boscombe Down	417	26.3	-8	E	4	c-bc	37	85	34	7	-	3	-	0	7-8	-
	Thorney Island	10	26.1	-10	NE'E	3	b	40	75	34	7	-	-	-	0	0	*
	Lympne ..	283	28.2	-4	E'N	4	c	40	85	33	7	5	7	-	2-3	9+	2800
	Manston ...	154	28.5	-12	E'S	5	b-bc	41	75	34	7	-	3	-	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	29.8	-16	E'N	6	Z_0	42	75	34	6	5	-	-	7-8	7-8	5500
	Gorleston ...	5	31.3	-8	E'S	5	c	44	85	38	7	8	-	-	9+	9+	1500
	Mildenhall ...	15	29.9	-12	E'S	4	bc	40	75	34	9	5	-	-	4-6	4-6	2000
	Cranwell ...	203	30.9	-12	E	4	bc	38	85	33	7	5	-	-	4-6	4-6	5600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27.6	-16	E'S	4	Z_0	38	85	34	6	5	-	-	2-3	2-3	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23.0	-8	ENE	4	c-bc	41	85	38	6	5	-	-	4-6	7-8	1500
	Bristol ...	209	27.0	-10	E	2	Z_0	39	85	35	6	5	-	-	2-3	2-3	1800
	Portland Bill ...	32	23.6	-26	ENE	5	0	42	92	40	7	5	-	-	10	10	2500
	Plymouth ...	82	23.2	-8	ESE	5	Z_0	45	92	42	6	5	-	-	10	10	1500
	The Lizard ..	240	21.4	0	E	6	0	47	92	46	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	20.4	-8	E	5	c	48	85	45	6	5	2	-	7-8	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	25.9	0	ESE	6	cq	43	92	41	7	5	-	-	10	10	1500
7	Holyhead (Valley)	32	26.9	-8	E	1	b-bc	38	85	33	7	5	-	-	2-3	2-3	4000
	Chester (Sealand)	16	28.3	-6	SE	1	c	41	75	33	6	5	-	-	10	0	2200
8	Manchester ...	235	28.6	-22	E	4	bc	39	75	33	7	5	-	-	4-6	4-6	1500
10	Spurn Head ...	29	32.5	-10	SE'E	6	0	41	75	33	7	5	-	-	10	10	1500
	Catterick ..	175	32.5	-14	ESE	2	m	39	85	34	4	5	-	-	10	10	2500
	Tynemouth ...	108	32.3	-14	SE	5	c	41	75	33	7	8	-	-	9	9	2500
11	St. Abbs Head	280	31.3	-10	SE	4	0	39	85	32	7	5	-	-	10	10	2500
	Leuchars ...	36	33.3	-10	SE	3	c	41	75	33	8	5	7	-	9+	10	2600
12	Renfrew (Abbots I.)	19	31.1	-14	ESE	2	Z_0	40	85	44	5	-	2	-	0	10	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28.5	-18	SE'S	6	c	42	75	34	8	5	-	-	9+	9+	1500
13A	Tiree	44	28.5	-10	SSE	5	c	43	85	38	7	5	-	-	9+	9+	1500
13B	Stornoway ...	15	28.5	-16	SSW	5	ir_0	43	85	39	7	5	-	-	10	10	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	32.6	-20	S	4	c	40	75	41	7	5	-	-	10	10	3000
	Wick ...	114	29.3	-14	SSE	5	c	40	75	42	7	5	7	-	4-6	10	4200
16	Sumburgh ..	19	30.9	-18	S	6	c	41	85	37	8	5	-	-	9	9	2800
17	Blacksod Point	18	24.1	-12	SE'S	5	c	45	85	41	7	6	-	-	10	10	1500
18	Malin Head ...	84	26.8	-16	SE'S	4	c-bc	40	85	36	8	5	-	-	7-8	7-8	1500
	Aldergrove ...	268	28.1	-16	ESE	3	c	40	85	35	7	5	-	-	10	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21.4	-14	E'S	5	c	47	85	43	7	5	-	-	9+	9+	2500
	Roches Point	22	22.5	-8	E'S	6	0	46	97	43	7	5	-	-	10	10	4500

OBSERVATIONS at 7 hr. G.M.T. 4th March

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)	25.7	-8	ENE	4	Z_0	39	75	34	6	8	2	-	7-8	9	2500	1	*
	Croydon ...	25.3	-10	ENE	2	Z_0	36	92	34	5	5	7	6	4-6	9+	2500	0	*
	S. Farnborough	24.3	-6	E'N	3	Z_0	36	85	33	5	5	7	-	2-3	9	3000	0	*
	Boscombe Down	23.9	-10	E'N	4	c	36	92	33	7	-	8	6	-	9+	-	0	*
	Thorney Island	23.5	-8	NE'E	3	Z_0	38	85	34	6	5	7	-	4-6	9+	4000	0	*
	Lympne ..	25.3	-6	E	4	c	37	75	31	7	-	7	2	0	9	-	0	§ 4
	Manston ...	25.5	-8	SE'E	4	c	39	75	32	8	-	8	-	0	9	-	0	*
2	Shoeburyness ...	25.8	-18	E	5	Z_0	40	75	33	6	5	3	-	7-8	9	2500	1	*
	Felixstowe ...	26.5	-8	E	5	Z_0	42	75	36	6	5	3	-	7-8	10	5700	0	4
	Gorleston ...	27.8	-10	SE'E	6	bc	41	85	36	7	-	7	-	0	4-6	-	0	5
	Mildenhall ...	26.5	-8	E'S	4	Z_0	40	75	33	6	8	-	-	9	9	7200	0	*
	Cranwell ...	27.1	-10	ESE	4	c-bc	36	92	34	7	5	3	2	4-6	7-8	5000	0	*
3	Birmingham ...	25.6	-12	E	3	Z_0	37	85	33	5	5	-	-	10	10	1500	1	*
	Upper Heyford	25.1	-6	E	3	Z_0	36	92	33	6	-	8	6	0	9+	-	0	*
4	Ross-on-Wye	24.6	-10	ENE	2	Z_0	36	85	33	6	5	1	1	7-8	9+	1500	1	*
5	Hartland Point	21.3	-6	ENE	4	c	40	92	39	6	5	-	-	9+	9+	1800	0	3
	Bristol ...	24.5	-8	E	1	Z_0	32	97	32	6	5	7	-	2-3	9+	4000	1	*
	Portland Bill ...	21.5	-4	E	5	0	45	92	43	7	5	-	-	10	10	2500	-1	3
	Plymouth ...	21.5	-10	E	4	Z_0	45	85	42	6	5	-	-	10	10	1500	0	2
	The Lizard ..	19.7	-2	E	5	c	46	92	44	6	5	-	-	10	10	1500	0	4
	Scilly (St. Mary's)	19.4	0	E'N	4	c	47	85	44	6	5	-	-	9	9	1200	1	4
	Guernsey ...																	
6	Pembroke ...	23.3	-10	E'S	4	cq	42	97	42	7	5	-	-	10	10	1500	0	3
7	Holyhead (Valley)	24.9	-8	E	1	Z_0	36	92	34	6	5	-	-	9	9	1500	0	
	Chester (Sealand)	25.8	-8	SE	2	c	40	75	33	7	5	2	-	9+	10	2000	0	*
8	Manchester ...	26.3	-14	ESE	3	Z_0	36	85	38	6	5	3	-	2-3	2-3	2500	1	*
10	Spurn Head ...	28.2	-14	SE	6	cq	41	75	34	7	5	-	-	9+	9+	1500	0	5
	Catterick ..	28.6	-14	SE	2	c	38	85	33	7	5	-	-	9+	9+	1500	0	*
	Tynemouth ...	28.5	-14	SSE	5	c	41	75	33	7	5	-	-	9	9	2600	0	4
11	St. Abbs Head	27.3	-18	SE	5	c	39	97	37	7	5	-	-	9+	9+	2500	0	4
	Leuchars ...	27.9	-14	SSE	2	c	39	85	34	8	5	7	-	9	9+	3000	0	*
12	Renfrew (Abbots I.)	26.8	-14	ENE	1	Z_0	39	85	33	5	5	-	-	9+	9+	3500	0	*
	Eskdalemuir ...	27.4	-10	E'S	2	c	34	85	25	8	5	7	-	7-8	9	2500	0	*
	Point of Ayre...	26.6	-4	S'E	5	c	41	75	35	7	6	-	6	9+	10	1000	0	4
13A	Tiree	25.3	-18	SE'S	3	r_0r_0	41	92	39	7	5	-	-	9+	10	1000	1	3
13B	Stornoway ...	25.2	-18	SSW	6	c	41	92	39	7	5	-	-	10	10	3000	1	3
15	Dalwhinnie ...	27.8	-16	S	3	c	34	85	29	7	5	2	-	7-8	10	1500	0	*
	Aberdeen † ...	28.2	-12	S'W	3	Z_0	40	65	31	6	5	7	-	2-3	10	1500	0	2
	Wick ...	26.1	-16	SSE	4	c-bc	40	73	32	8	-	7	-	0	7-8	-	0	*
16	Sumburgh ..	26.2	-20	SSW	5	c	42	85	39	8	5	2	-	4-6	10	2000	1	3
17	Blacksod Point	22.8	-6	SE	3	c	44	85	40	8	5	-	-	10	10	1500	1	3
18	Malin Head ...	24.0	-12	E'S	2	c	40	85	36	7	5	-	-	10	10	1500	1	2
	Aldergrove ...	25.1	-6	SE'E	2	Z_0	40	85	35	6	5	-	-	10	10	2000	1	*
19	Birr Castle ...	23.3	-6	SE	2	c	41	85	37	7	5	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	21.6	+6	WNW	2	c	47	85	43	8	5	-	-	10	10	2500	1	2
	Roches Point	21.3	+6	E'S	4	0	47	97	46	7	5	-	-	10	10	800	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 Hrs. (38)
1	London (Kew)	46	39	35	-	-	0.0
	Croydon ...	45	38	33	-	Tr	0.0
	S. Farnborough	45	35	31	-	-	0.0
	Boscombe Down	45	35	32	Tr	-	0.0
	Thorney Island	48	37	33	-	-	*
	Lympne ..	45	37	34	-	-	0.0
	Manston ...	45	39	39	-	-	0.0
2	Shoeburyness ...	45	39	35	-	-	0.0
	Felixstowe ...	44	40	33	-	-	0.[illegible]
	Gorleston ...	44	40	36	-	-	0.[illegible]
	Mildenhall ...	44	38	35	-	-	0.0
	Cranwell ...	45	36	34	-	-	0.0
3	Birmingham ...	43	36	35	-	-	0.0
	Upper Heyford	43	36	34	-	-	*
4	Ross-on-Wye	45	35	29	-	-	0.0
5	Hartland Point	48	40	38	Tr	-	0.2
	Bristol ...	47	32	26	Tr	-	0.0
	Portland Bill ...	46	40	*	-	-	*
	Plymouth ...	50	44	42	-	-	0.3
	The Lizard ..	48	45	*	0.4	Tr	0.0
	Scilly (St. Mary's)	51	46	*	0.4	-	0.0
	Guernsey ...						
6	Pembroke ...	48	45	*	0.4	-	0.0
7	Holyhead (Valley)	48	33	28	-	0.1	*
	Chester (Sealand)	46	39	38	-	Tr	0.0
8	Manchester ...	44	36	29	-	-	*
10	Spurn Head ...	44	40	*	-	-	
	Catterick ..	44	33	32	Tr	-	0.0
	Tynemouth ...	45	41	39	-	-	*
11	St. Abbs Head	42	37	*	Tr	-	*
	Leuchars ...	44	38	37	0.5	-	0.0
12	Renfrew (Abbots I.)	46	38	36	-	-	0.0
	Eskdalemuir ...	42	34	33	Tr	-	0.0
	Point of Ayre...	46	41	*	-	Tr	0.0
13A	Tiree	45	40	38	Tr	0.4	0.0
13B	Stornoway ...	50	39	37	-	0.3	0.0
15	Dalwhinnie ...	40	34	32	-	-	0.0
	Aberdeen † ...	43	40	33	-	-	1.3
	Wick ...	43	40	31	-	-	*
16	Sumburgh ..	43	40	35	-	-	7.5
17	Blacksod Point	49	43	*	0.1	0.3	0.0
18	Malin Head ...	47	40		0.1	Tr	*
	Aldergrove ...	45	38	37	Tr	/	0.0
19	Birr Castle ...	48	41	39	2	1	0.0
20	Valentia Obsy.	50	46	43	Tr	-	0.0
	Roches Point	48	46	*	6	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 3rd March ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th March ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	50 01863	15314	57 02861	14327	5- 02755	49525
115	52 02954	12425	54 02954	16425	54 02954	08225
203			5- 02848	12328		
206	5- 02863	12328	07 02890	16228	07 02790	14128
210	10 01863	14423	07 05690	12314	00 01990	15214
220	52 02755	15318				
230	51 02883	08228	07 05790	07228	01 05690	00028
245	50 02853	11417	54 02763	13417	5- 02768	14228
260	72 17765	08226	57 02855	08226	57 05655	08328
278	51 02763	10628	5- 02758	10328	3- 02758	42468
279	51 05653	09528	57 05663	10328	02 05690	10328
285	5- 03748	10428				
288	52 61866	07468	5- 02858	09368	52 02765	09228
575	52 21634	10258	52 51636	10258	5- 62638	09368
301	52 05664	41428	5- 05658	42428	01 05590	10163
321	87 02755	34544	5- 02758	08428	5- 05658	10228
2..	8- 02745	04415	5- 03748	08428	5- 02746	10516
292	5- 61958	08358	5- 02858	08368	5- 02754	10228
310	-- 02626	08526	-- 02628	04628		
614	5- 02748	08428	52 02847	07428	5- 05654	40424

III	13h. G.M.T. 3rd March ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th March ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333			52 51765	07558	5- 05654	06424
334	-- 03636	10328				
340	5- 02758	09528	5- 05658	08428	5- 05658	12428
136	5- 02844	06428	5- 02744	08428	01 02790	06428
336			57 02644	12428		
350	57 02755	08428	5- 02844	06328	5- 02645	07425
368	5- 61548	40528	53 05554	41565	5- 05548	41528
379	5- 02745	07528	5- 05634	06528	5- 05647	08427
390	5- 05648	08428	5- 05647	06428	5- 05555	08426
382	52 05755		57 02746	42427	50 05654	09324
438	5- 03648	02528	87 05645	04626		
430	5- 02736	06428	5- 02745	08426	50 05652	08412
409	55 02756	09567	5- 02746	10628	5- 05647	42427

III	01h. G.M.T. 4th March ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	42 02764	10428	
334	-- 03548	08229	
340	5- 05648	12428	
136	5- 02877	11427	
336	57 05644	08428	
350	73 05663	08415	
368	5- 05548	42428	
379	50 05564	08314	
390	57 05564	10225	
382	58 05653	07228	
438	57 02654	08415	
430	57 05655	04328	
409	5- 05648	07128	

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

§ Sea disturbance reported from Dungeness. † 0Ih. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th March
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_0	$c2_0$	$c2_0cm_0$
Croydon ...	$cmcm_0$	cm_0	cm_0cm_0
Greenwich ...	c	c	cbcc
Camden Square	c	c	*
Kensington ..	c	co	*
Hampstead ..	0	0	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre

Kew 24 hours ended 7h.
Max. 0.4 3rd
Min. Time <0.1 22-24h 3rd

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	46	39	35	-	-	2.2	*	*
Croydon ...	45	35	33	-	Tr	0.0	*	*
Greenwich ..	45	38	32	-	-	0.0	70	73
Westminster ..	46	38	36	-			70	72
Regents Park ...	43	39	36	-	-		71	73
Camden Square	45	39	34	-	-	*	*	75
Kensington ...	46	38	35	-	-		73	75
Hampstead ...	43	36	33	-	-		*	81

SECRET

Page 1

BRITISH SECTION

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

Friday 5th March. 1943.

No. 29688

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

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)	22.2	-20	NE'E	3	z.	45	65	32	5	5	2	1	4-6	4-6	4000
	Croydon	22.9	-20	E	3	bc	48	55	34	6	1	4	3	2-3	4-6	6500
	S. Farnborough	22.2	-20	E	2	z.	48	65	35	6	-	8	2	0	4-6	-
	Boscombe Down	22.1	-16	E	3	c-bc	47	65	37	6	-	-	8	0	7-8	-
	Thorney Island	21.4	-12	E'S	3	b-bc	48	65	36	7	-	-	2	0	2-3	-
	Lympne	22.6	-22	SE'E	3	z.	42	45	23	6	-	8	8	0	7-8	-
	Manston	23.3	-2	SE'E	4	c	43	65	31	8	-	9	6	0	9+	-
2	Shoeburyness	22.5	-12	SSW	4	c	43	65	33	7	1	7	1	4-6	10	4000
	Felixstowe	24.4	-18	ESE	4	c	44	75	35	7	-	3	6	0	9	-
	Gorleston	25.0	-24	SE	4	c	42	92	39	7	5	7	-	4-6	9	2200
	Mildenhall	23.6	-24	SE'E	3	c	48	55	33	7	-	8	8	0	9+	-
	Cranwell	24.2	-18	ESE	4	z.	43	75	36	6	-	7	-	0	9+	-
3	Birmingham	22.9	-14	ESE	2	z.	42	85	38	5	-	-	8	0	9	-
	Upper Heyford	23.2	-16	E	3	z.	47	65	35	6	-	-	2	0	9	-
4	Ross-on-Wye	22.3	-16	ENE	3	z.	45	65	35	6	1	-	2	2-3	7-8	3000
5	Hartland Point	21.0	-6	NNE	3	z.	42	92	40	6	5	-	-	10	10	1100
	Bristol	22.8	-10	E	3	z.	47	75	41	6	1	-	8	1	2-3	4000
	Portland Bill	20.5	-4	E	5	c	46	92	44	7	5	-	-	10	10	2500
	Plymouth	21.3	-2	E	4	z.	46	85	42	6	5	4	-	9	9+	1500
	The Lizard	19.4	-4	ENE	5	o	47	92	45	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	20.3	+6	NE'N	3	[illegible]	49	85	45	6	5	-	-	10	10	1100
	Guernsey															
6	Pembroke	23.2	+4	E	2	z.	43	92	41	6	1	1	-	2-3	2-3	2500
7	Holyhead (Valley)	24.2	-4	-	0	z.	44	75	35	6	5	-	-	10	10	2500
	Chester (Sealand)	24.0	-14	SE	2	z.	42	75	35	6	5	-	-	10	10	1500
8	Manchester	23.6	-20	-	0	z.	46	65	36	6	-	3	2	0	9	-
10	Spurn Head	26.4	-12	SE	5	c	42	75	35	7	1	1	-	2-3	9+	2500
	Catterick	25.4	-20	S'W	2	z.	48	65	36	6	-	3	9	0	4-6	-
	Tynemouth	26.0	-20	SE	4	c-bc	43	75	36	7	2	3	-	4-6	7-8	2400
11	St. Abbs Head	24.8	-12	S	1	c	43	85	38	6	5	7	-	4-6	9+	2200
	Leuchars	24.6	-22	-	0	c	43	65	32	8	5	7	-	4-6	10	4000
12	Renfrew (Abbots I.)	25.1	-14	SW	1	z.	42	75	34	6	5	1	-	4-6	10	3500
	Eskdalemuir	24.4	-12	SSE	1	c	42	65	29	8	7	-	1	7-8	9	3300
	Point of Ayre	24.7	-8	SSE	3	c	41	85	37	7	5	2	-	7-8	10	1500
13A	Tiree	23.9	-10	SSE	4	c/r	43	92	41	7	5	-	-	10	10	2000
13B	Stornoway	22.5	-14	SSW	5	c/r	41	97	39	7	5	2	-	4-6	10	2500
15	Dalwhinnie	24.2	-12	S	3	c	37	65	28	7	5	7	-	7-8	9+	2500
	Aberdeen	24.9	-24	S	3	z.	42	75	34	6	5	7	-	9+	10	2500
	Wick	23.2	-18	SSW	3	c	44	75	35	8	-	7	1	0	9+	-
16	Sumburgh	22.6	-22	SSW	4	c	44	92	42	7	5	7	-	2-3	10	2500
17	Blacksod Point	23.7	+2	WNW	1	c	48	85	43	8	5	-	-	10	10	2500
18	Malin Head	23.4	-6	SW'W	2	c	45	75	38	8	5	-	-	9	9	1500
	Aldergrove	24.5	-4	S	1	z.	43	75	37	6	5	-	-	10	10	2200
19	Birr Castle	23.7	+2	SE	1	c	46	85	42	7	5	2	-	7-8	10	2500
20	Valentia Obsy.	22.9	+4	-	0	c	50	75	42	8	5	-	-	10	10	2500
	Roches Point	23.6	+10	E'S	3	z.	46	97	46	6	5	-	-	9+	9+	800

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

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)
London (Kew)	21.7	+2	E'N	2	cf+	42	75	33	3	-	-	7	0	10	-
Croydon	22.3	+2	NE'E	2	m	41	85	36	4	-	-	6	0	7-8	-
S. Farnborough	21.4	+2	ENE	1	m	44	65	35	4	-	-	8	0	4-6	-
Boscombe Down	21.3	-2	E	1	z.	44	75	37	6	-	-	2	0	4-6	-
Thorney Island	21.2	+4	ESE	2	z.	43	75	36	6	-	-	1	0	2-3	-
Lympne	21.4	0	E'N	1	z.	42	75	33	6	-	8	2	0	4-6	-
Manston	21.8	0	E'N	1	z.	41	75	35	6	-	8	2	0	2-3	-
Shoeburyness	22.0	-2	ESE	2	z.	41	85	36	6	-	4	2	0	7-8	-
Felixstowe	22.4	-6	E'N	3	bc	43	85	38	7	-	8	1	0	4-6	-
Gorleston	22.7	-6	SE'E	3	c-bc	43	75	37	7	-	7	-	0	7-8	-
Mildenhall	22.1	-2	SE'E	2	b-bc	41	75	33	7	-	4	8	0	2-3	-
Cranwell	22.4	+2	NE	2	z.	41	75	34	5	-	3	5	0	7-8	-
Birmingham	22.0	-4	NNE	2	m	43	75	36	4	5	-	-	7-8	7-8	1500
Upper Heyford	21.5	+2	NNE	1	z.	43	85	37	6	-	-	9	0	2-3	-
Ross-on-Wye	21.7	-4	NW'N	1	z.	44	75	38	6	-	-	2	0	4-6	-
Hartland Point	21.4	+8	NE	4	z.	42	92	39	6	5	-	7	4-6	10	1400
Bristol	22.2	+4	N	1	m	44	85	39	4	-	-	2	0	9	-
Portland Bill	19.9	-2	E	4	c-bc	45	92	43	7	5	-	-	7-8	7-8	4000
Plymouth	21.5	+6	E	3	z.	45	85	41	6	5	2	-	4-6	10	3000
The Lizard	20.1	+8	NE	4	o	47	85	43	7	5	-	-	10	10	1000
Scilly (St. Mary's)	21.6	+14	N'E	4	c	45	85	40	6	5	-	-	10	10	1200
Guernsey															
Pembroke	22.8	+2	NNE	2	c	42	92	39	7	5	-	-	9+	9+	2500
Holyhead (Valley)	24.0	+8	N	2	c	43	65	33	7	5	7	-	9+	9+	2500
Chester (Sealand)	22.9	-2	WNW	1	bc	42	75	35	6	5	7	1	2-3	4-6	2500
Manchester	23.0	+8	WNW	3	z.	40	92	37	4	-	-	2	0	4-6	-
Spurn Head	27.5	-6	SE'S	6	c-bc	41	75	35	7	2	3	-	4-6	7-8	1500
Catterick	23.1	-2	SSE	1	z.	43	75	35	6	-	3	9	0	4-6	-
Tynemouth	23.9	-2	SSE	4	z.	42	75	38	6	2	3	1	2-3	4-6	2500
St. Abbs Head	23.4	+10	NNW	1	c-bc	40	92	38	6	5	4	-	4-6	7-8	2500
Leuchars	22.9	-2	NW	1	z.	42	75	33	6	-	7	2	0	7-8	-
Renfrew (Abbots I.)	24.0	+2	W	1	z.	41	85	37	6	5	2	-	7-8	10	4000
Eskdalemuir	23.7	+2	W	2	z.	37	85	32	6	5	4	-	1	2-3	2800
Point of Ayre	24.1	-4	N'E	1	z.	43	75	36	6	5	-	-	9+	9+	2500
Tiree	23.5	+4	SSW	2	c	45	92	43	7	6	7	-	1	10	1800
Stornoway	20.3	-6	SSW	6	id.	43	97	43	5	5	-	-	10	10	1000
Dalwhinnie	23.2	0	SW	2	o	37	85	32	6	5	7	-	9	10	2500
Aberdeen	22.1	-8	SW'S	2	z.	42	65	33	6	-	4	9	0	10	-
Wick	21.3	+2	SSW	1	c	41	75	35	7	5	7	-	2-3	10	3000
Sumburgh	19.5	-18	SW	5	c	43	97	43	8	5	1	-	7-8	10	2500
Blacksod Point	24.6	+10	SSW	2	c	48	85	44	7	5	-	-	9+	9+	2500
Malin Head	23.9	+10	W'N	2	c	45	85	41	8	5	-	-	10	10	1500
Aldergrove	24.6	+6	-	0	z.	44	85	38	5	5	-	-	4-6	10	1800
Birr Castle	24.5	+10	N	1	c	47	75	40	8	5	-	-	9	9	2500
Valentia Obsy.	24.8	+14	N	3	b-bc	48	85	44	7	7	-	1	2-3	2-3	2500
Roches Point	23.9	+6	E'S	3	c	47	92	45	7	5	-	-	9+	9+	1500

PAST 24 HOURS.

Stations	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)	1	*	cmobczo	bbczocf	c, bffx	b,cffx
Croydon	0	*	cmoy	bczoybmo		bfbcfx
S. Farnborough	0	*	cmozobczo	bcb,czoybcm	bczbmfx	bfx
Boscombe Down	0	*	cmo	bczo	bczobmo	bcmbmx
Thorney Island	1	*	bcmocmob	bmo	bmo	bmoubmx
Lympne	0	§3	cmo	bczo	bmowx	bbcmox
Manston	0	*	c	bc	bmo	bmox
Shoeburyness	1	*	cmoc	bczomoc	cmobmo	bmobcx
Felixstowe	0	2	cmoc	cbcbc	bmo	bmocm
Gorleston	0	3	c	cbc	bzo	bczoffc
Mildenhall	0		czocqy	cybcybc	bmowx	bmomoxf
Cranwell	0	*	cmo	cmo	bcbmo	bcmobcmox
Birmingham	1	*	ocz	cbcm	bcm	bmf
Upper Heyford	0	*	cmo	czobczo	bcmobmol	bmobmfx
Ross-on-Wye	1	*	cmobczo	bczo	bcmo	bcbzox
Hartland Point	0	2	c	comoc	mopc	mobcc
Bristol	1	*	cmoxcmo	bc	cbcbfbfw	bfwbfx
Portland Bill	1	5	c	c	c	co
Plymouth	0	2	cmo	cmo	cbcbmo	bmmom
The Lizard	0	3	o	co	oc	cbcw
Scilly (St. Mary's)	1	4	c	c	c	c
Guernsey						
Pembroke	0	3	cqbcc	cqc	bcb	bbcw
Holyhead (Valley)	1	1	cmo	ccmo	bcbmox	bwcmox
Chester (Sealand)	0	*	czo	c,bczo	bm	cmmo
Manchester	0	*	bccmozo	cbczo	bcbm	bFFx
Spurn Head	0	3	c	c	bc	bcmo
Catterick	0	*	ccmo	bczoy	bcmbx	bzbmx
Tynemouth	0	3	c	bcmo	bcbmo	bbcmo
St. Abbs Head	0	2	cmo	cmobcc	bcmo	bcmo
Leuchars	0	*	c	cbc	bcmo	bmobcmocmw
Renfrew (Abbots I.)	0	*	cmo	cmo	cmobcmo	cmobmobc
Eskdalemuir	0	*	c	cbczo	bcb	bmob
Point of Ayre	0	2	c	c	cbbc	cbbcc
Tiree	1	2	ciroc	cdodorcromoc	cir, idob	bbcc
Stornoway	1	4	ciroc	cidomo	cidomorrbc	bccíroc
Dalwhinnie	0		oc	co		ocproc
Aberdeen	0	2	czo	czo	czobcb	bwbcc
Wick	0		c	c	cbc	cproc
Sumburgh	1	3	c	c	c	cproc
Blacksod Point	1	2	c	c	bc	b
Malin Head	1	2	r	r	c	c
Aldergrove	1	*	cmcmo	cmo	bmocidom	cidomobfg
Birr Castle	1	*	c	c		c
Valentia Obsy.	1	2	c	bc	bc	bc
Roches Point	1	4	r	c	b	b

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light variable or northerly winds; variable cloud in western districts; mainly fine elsewhere; rather widespread mist and fog tonight in many areas; rather cold.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate northwest winds, backing and moderating; partly cloudy in West, fine in East; local fog tonight; rather cold.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Moderate west to southwest winds, cloudy; local drizzle later in Northwest; rather cold.
15 N.E. Scotland ↑	Strong northwest winds, backing and moderating; cloudy,
16 Orkneys and Shetlands ↑	a few showers at first; rather cold.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Variable light winds, fair or fine; local mist and fog tonight; rather cold.

GENERAL INFERENCE

A large anticyclone west of British Isles is moving east; weather will be cloudy in the North and Northwest and locally in the Southwest, but fair or fine elsewhere. Fog will develop fairly generally in England and Wales tonight, and locally in Northern Ireland and South Scotland. Rather cold.

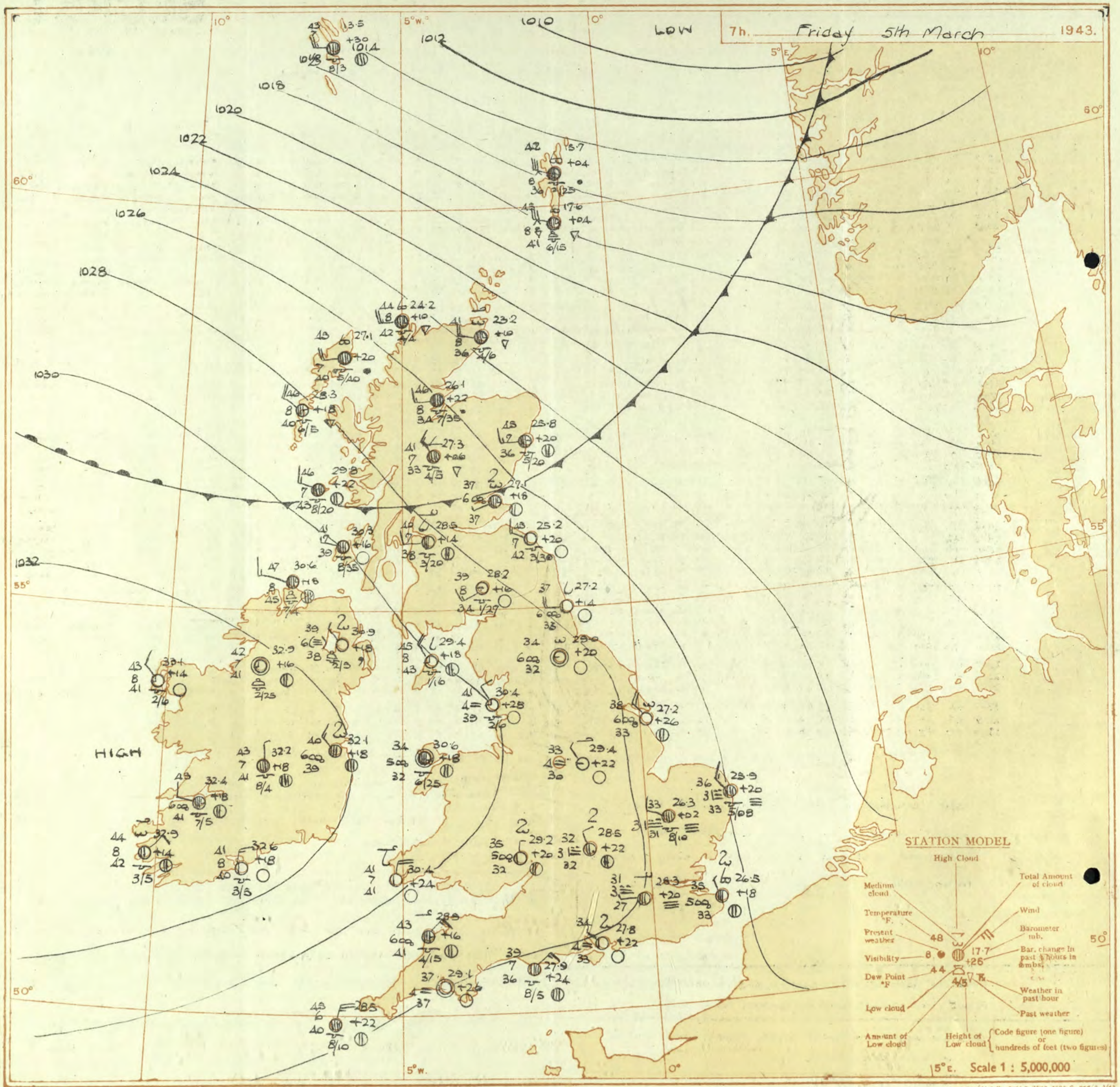
FURTHER OUTLOOK

Cloudy in North, with local rain; fair or fine elsewhere. Gale warning in operation in districts 15, 16. Issued at 1030. G.M.T. 5th March. 1943. ↑

Forecasts issued at 1030.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

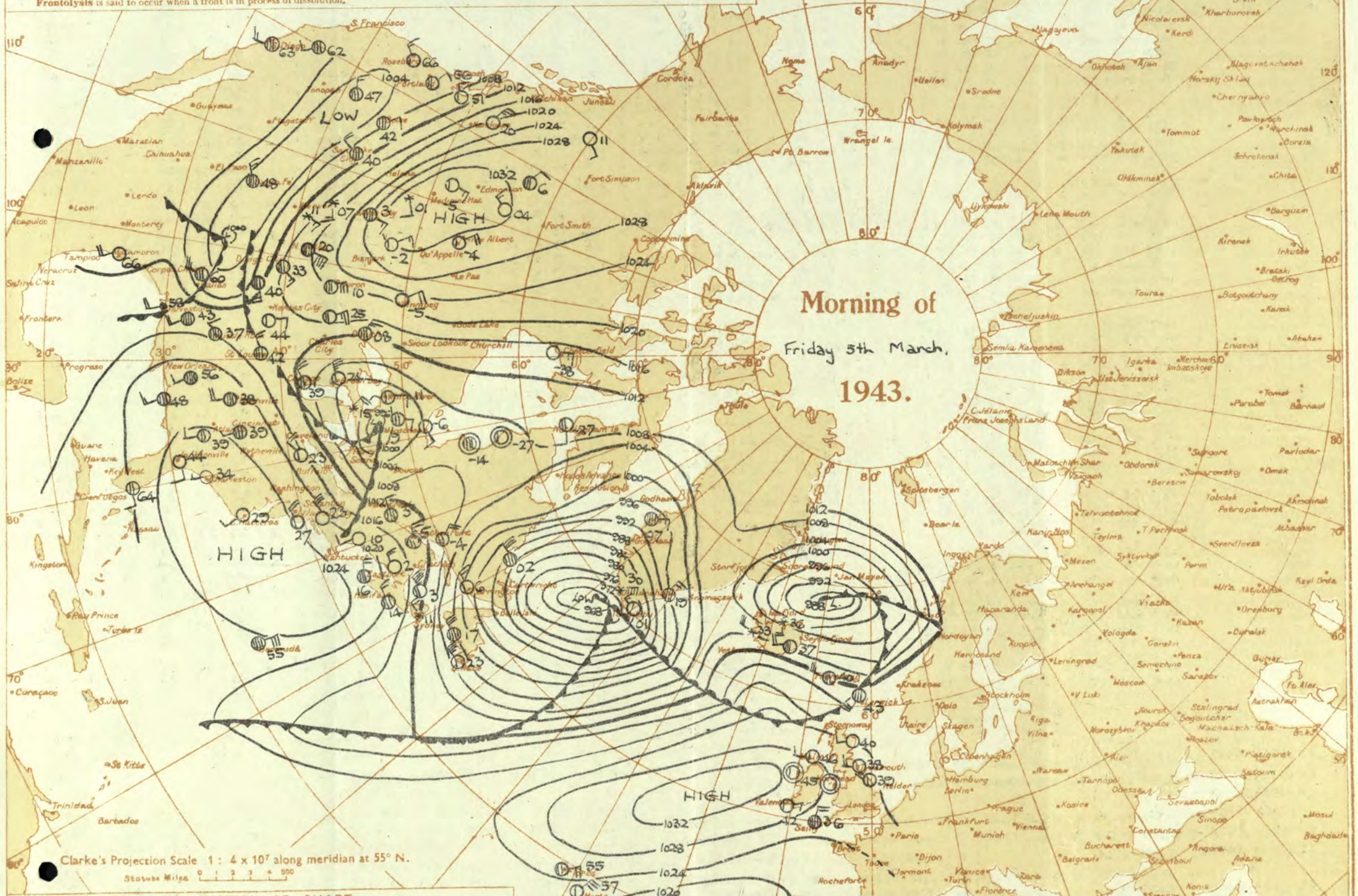
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 5th March 1943

No. 29688

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

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	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon ...	290	24·9	+12	-	0	bf	32	97	32	2	-	-	-	0	0	-
	S. Farnborough	226	24·4	+6	NW'W	1	bf+	31	92	30	3	-	-	-	0	0	-
	Boscombe Down	417	25·1	+14	NW	1	zo	35	92	33	5	-	-	1	0	2-3	-
	Thorney Island	10	23·9	+10	-	0	zo	35	92	33	6	-	-	-	0	0	-
	Lympne ..	283	23·8	+14	NW	1	zo	33	97	32	6	-	-	-	0	0	-
	Manston ...	154	23·3	+14	WNW	1	zo	35	97	35	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·3	+12	NNW	3	zo	36	85	32	6	-	-	-	0	0	-
	Gorleston ...	5	23·1	+4	NW'N	2	zo	36	92	34	6	-	-	-	0	0	-
	Mildenhall ...	15	23·7	+4	WNW	1	zo	28	92	28	6	-	-	-	0	0	-
	Cranwell ...	203	24·3	+6	NNW	2	zo	35	92	33	5	-	-	6	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·0	+14	N'W	2	zo	33	97	33	5	-	-	1	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·3	+16	NNE	3	zo	43	85	40	6	5	-	-	7-8	7-8	1500
	Bristol ...	209	26·5	+14	NNE	2	bf+	38	92	36	2	-	-	-	0	0	-
	Portland Bill ...	32	23·9	+14	W'S	2	c-bc	40	85	35	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	25·1	+12	W	1	zo	39	97	39	5	-	-	-	0	0	-
	The Lizard ...	240	25·3	+20	-	0	c	43	85	39	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	25·4	+14	N'E	4	c	46	85	31	6	5	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	26·7	+12	NNE	4	b	41	92	39	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	27·5	+8	-	0	zo	37	92	35	6	-	-	-	0	0	-
	Chester (Sealand)	16	26·2	+10	NW'N	2	m	39	85	34	4	-	-	-	0	0	-
8	Manchester ...	235	26·0	+8	W'N	1	bf+	34	97	33	3	-	-	-	0	0	-
10	Spurn Head ...	29	24·1	0	NNW	3	b-bc	39	92	36	7	7	-	-	2-3	2-3	2500
	Catterick ..	175	26·1	+4	WNW	2	m	37	75	31	4	-	-	-	0	0	-
	Tynemouth ...	108	25·6	+4	W	3	zo	38	85	33	6	-	-	-	0	0	-
11	St. Abbs Head	280	23·7	+8	WNW	2	b	41	97	40	7	5	-	-	Tr	Tr	2500
	Leuchars ...	36	24·9	+6	WSW	1	zo	35	92	33	6	-	-	1	0	1	-
12	Renfrew (Abbots I.)	19	26·5	+6	WSW	1	zo	42	92	40	5	5	-	-	10	10	2100
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	27·1	+8	NW'W	2	c-bc	36	85	33	7	5	-	-	7-8	7-8	2000
13A	Tiree	44	26·6	+16	SW	1	b	44	97	43	7	-	-	-	0	0	-
13B	Stornoway ...	15	23·8	+12	W	5	bc	45	92	43	7	5	-	-	4-6	4-6	3900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	23·1	-4	W	2	b	40	85	37	8	-	-	-	0	0	-
	Wick ...	114	20·8	-4	WSW	3	b-bc	41	92	39	8	5	-	-	2-3	2-3	3000
16	Sumburgh ..	19	16·3	-14	W'S	7	ir.	46	97	45	8	5	7	-	7-8	10	2300
17	Blacksod Point	18	30·1	+18	-	0	b	45	92	43	8	8	-	-	1	1	2500
18	Malin Head ...	84	27·4	+16	W	2	b-bc	46	85	42	8	8	-	-	2-3	2-3	1500
	Aldergrove ...	268	28·3	+14	-	0	id.	40	92	38	6	5	-	-	10	10	2600
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	30·3	+18	ENE	2	b	42	92	40	7	1	-	-	Tr	Tr	2500
	Roches Point	22	29·4	+18	N'E	3	b	42	97	42	8	5	-	-	1	1	1500

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

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)	28·4	+20	WSW	1	cf	34	92	31	3	-	-	9	0	10	-	1	*
	Croydon ...	28·3	+20	W	1	c-bcf	31	85	27	3	-	-	2	0	7-8	-	3	*
	S. Farnborough	28·3	+22	NW	1	bf	32	97	31	2	-	-	-	0	0	-	0	*
	Boscombe Down	28·7	+20	N'W	2	m	35	92	33	4	-	-	-	0	0	-	0	*
	Thorney Island	27·8	+22	NW	1	m	34	97	33	4	-	-	9	0	2-3	-	1	*
	Lympne ..	27·1	+18	NNW	1	zo	31	97	30	5	-	-	2	0	2-3	-	1	§ 2
	Manston ...	26·5	+18	NNW	1	zo	35	92	33	5	-	7	9	0	7-8	-	0	§ *
2	Shoeburyness ...	27·1	+20	NNW	3	zo	32	92	31	6	-	7	-	0	4-6	-	3	*
	Felixstowe ...	26·3	+18	NW'N	3	m	35	97	34	4	5	-	-	10	10	300	0	2
	Gorleston ...	25·9	+20	NW'N	3	c-bcf+	36	92	33	3	5	-	-	7-8	7-8	800	0	2
	Mildenhall ...	26·3	+2	WNW	2	cf+	33	92	31	3	5	-	-	10	10	1000	0	*
	Cranwell ...	28·3	+26	NNW	3	zo	33	92	30	5	-	4	9	0	2-3	-	0	*
3	Birmingham ...	29·6	+20	NW	3	b-bcf	34	85	30	3	-	-	1	0	2-3	-	1	*
	Upper Heyford	28·5	+22	N'W	2	bcf+	32	97	32	3	-	-	6	0	4-6	-	0	*
4	Ross-on-Wye	29·2	+20	N	1	zo	35	92	32	5	-	-	9	0	2-3	-	1	*
5	Hartland Point	28·9	+16	NE	3	zo	43	92	41	6	5	-	8	4-6	9	1500	0	2
	Bristol ...	29·8	+22	N	1	bf	33	97	32	3	-	3	-	0	Tr	-	3	*
	Portland Bill ...	27·9	+24	NE	3	c	39	92	36	7	5	-	-	10	10	2500	1	2
	Plymouth ...	29·1	+26	-	0	m	37	97	37	4	-	-	-	0	0	-	0	1
	The Lizard ...	28·0	+18	NE	2	bc	41	92	39	7	5	-	-	4-6	4-6	1500	1	3
	Scilly (St. Mary's)	28·5	+22	NNE	5	c	45	85	40	6	5	-	-	10	10	1000	0	4
6	Pembroke ...	30·4	+24	NNE	4	b-bc	41	97	41	7	-	4	8	0	2-3	-	0	3
7	Holyhead (Valley)	30·6	+18	-	0	zo	34	92	32	5	5	-	-	9	9	2500	3	1
	Chester (Sealand)	30·4	+26	NW'N	2	b	37	97	36	5	-	4	-	0	Tr	-	1	*
8	Manchester ...	30·0	+22	-	0	F	30	97	30	0	-	-	-	10	10	<150	1	*
10	Spurn Head ...	27·2	+26	NW'N	4	zo	38	85	33	6	-	3	-	0	1	-	0	3
	Catterick ..	29·0	+20	-	0	zo	34	92	32	6	-	3	-	0	Tr	-	0	*
	Tynemouth ...	27·2	+14	W	4	zo	37	85	33	6	-	4	-	0	2-3	-	0	3
11	St. Abbs Head	25·2	+20	WNW	3	b-bc	45	85	42	7	5	-	-	2-3	2-3	3000	0	3
	Leuchars ...	27·1	+18	WSW	1	zo	37	97	37	6	-	3	6	0	9+	-	0	*
12	Renfrew (Abbots I.)	28·5	+14	W	2	c-bc	40	92	38	7	5	4	2	2-3	7-8	2000	0	*
	Eskdalemuir ...	28·2	+16	SW'W	3	b	39	85	34	8	5	-	-	Tr	Tr	2700	0	*
	Point of Ayre...	29·4	+18	NW'N	4	b	45	92	43	8	5	4	-	Tr	1	1600	0	2
13A	Tiree	29·8	+22	WNW	3	c	46	85	43	7	5	-	-	10	10	2000	1	2
13B	Stornoway ...	27·1	+20	W	4	c	45	85	40	7	5	7	-	7-8	10	4000	1	3
15	Dalwhinnie ...	27·3	+6	NW	3	o	41	75	33	7	5	1	-	4-6	10	2500	1	*
	Aberdeen † ...	25·8	+20	NW'W	3	c	45	75	36	7	5	7	-	7-8	9	2000	1	2
	Wick ...	23·2	+10	W'N	4	c	41	85	36	8	5	3	1	4-6	9+	5000	1	*
16	Sumburgh ..	17·6	+4	W'N	6	pr	45	85	41	8	8	7	-	9	9+	1500	1	4
17	Blacksod Point	33·1	+14	NW	2	b	43	92	41	8	5	-	-	1	1	4000	1	2
18	Malin Head ...	30·6	+18	W'N	3	c	47	92	45	8	8	-	-	9+	9+	1500	1	2
	Aldergrove ...	30·9	+18	NW	1	bcjf	39	97	38	6	8	-	9	1	4-6	2500	1	*
19	Birr Castle ...	32·2	+18	N	1	c	43	92	41	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	32·9	+14	NE'E	2	bc	44	92	42	8	5	3	1	2-3	4-6	2500	1	1
	Roches Point	32·6	+18	N'E	3	b-bc	41	97	40	8	5	-	-	2-3	2-3	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 4th Hrs. (38)
1	London (Kew)	46	34	18	-	-	2·8
	Croydon ...	50	31	24	-	-	4·3
	S. Farnborough	51	30	21	-	-	5·0
	Boscombe Down	49	33	29	-	-	5·2
	Thorney Island	48	32	25	-	Tr	*
	Lympne ..	45	31	24	-	-	4·8
	Manston ...	45	33	28	-	-	3·1
2	Shoeburyness ...	45	31	22	-	-	2·1
	Felixstowe ...	47	31	29	-	-	4·[illegible]
	Gorleston ...	45	33	25	-	-	2·[illegible]
	Mildenhall ...	50	27	21	-	Tr	0·0
	Cranwell ...	46	31	26	-	-	0·8
3	Birmingham ...	45	33	29	-	-	0·7
	Upper Heyford	49	31	27	-	-	*
4	Ross-on-Wye	47	34	26	-	-	3·8
5	Hartland Point	43	41	39	-	-	0·0
	Bristol ...	48	33	26	-	-	3·0
	Portland Bill ...	47	38	*	-	-	*
	Plymouth ...	48	36	27	-	-	0·6
	The Lizard ...	48	40	*	-	-	0·0
	Scilly (St. Mary's)	50	44	*	-	-	0·0
6	Pembroke ...	46	40	*	-	-	1·4
7	Holyhead (Valley)	45	31	25	-	-	*
	Chester (Sealand)	46	35	28	-	-	0·6
8	Manchester ...	47	29	22	-	-	*
10	Spurn Head ...	42	36	*	-	-	3·3
	Catterick ..	49	32	24	-	-	6·4
	Tynemouth ...	44	35	33	-	-	*
11	St. Abbs Head	45	39	*	-	-	*
	Leuchars ...	45	35	28	-	-	0·4
12	Renfrew (Abbots I.)	47	39	33	-	-	0·0
	Eskdalemuir ...	44	27	22	-	-	5·1
	Point of Ayre...	43	36	*	-	-	0·0
13A	Tiree	45	40	36	-	0·2	0·0
13B	Stornoway ...	44	43	40	Tr	0·6	0·0
15	Dalwhinnie ...	39	37	35	-	0·2	0·0
	Aberdeen † ...	42	36	24	-	-	0·0
	Wick ...	44	39	35	-	1	*
16	Sumburgh ..	45	42	37	-	0·5	0·0
17	Blacksod Point	51	42	*	-	-	*
18	Malin Head ...	47	43	*	Tr	-	0·8
	Aldergrove ...	46	37	27	-	Tr	0·4
19	Birr Castle ...	49	36	34	-	-	1·4
20	Valentia Obsy.	51	37	32	-	Tr	1·4
	Roches Point	48	38	*	0·6	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 4th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02763	17527	07	05790	00028	52	61654	56668	57	02765	57585
115	52	02844	20328	52	02745	20568	52	02844	20557	57	02844	57587
203	5-	03848	16428									
206	57	02862	22325	57	02864	20328	50	01764	22414	57	02864	24368
210	07	02790	18227	07	02690	20228	57	02861	20213	57	05662	25566
220	52	02744	15468	52	61635	16328				57	02755	25448
230				52	22756	00068	50	01744	18324	52	02755	28328
245	57	02744	16327	07	22126	23041	00	00690	23100	54	02754	26105
260	57	02755	28228	57	08464	23126	07	08495	22111	04	05690	24103
278	5-	02748	14358	5-	17667	12227	5-	17886	07126			
279	14	05661	29212	02	05690	28128				54	05554	20326
285				53	05644	04315				50	05635	26115
288	03	01790	15224	03	01690	17214	00	05690	26110	04	05690	18101
575	7-	05676	00026	53	02774	00025	52	05654	26328	80	01752	00012
301	00	17590	18210	--	17409	31209	00	17490	00000	50	08462	29202
321	08	02790	12227	00	05690	00024	00	08490	00000	00	47390	00000
2.9	54	02754	13415	54	01754	13414	00	00790	26108	54	05652	28213
292	03	05690	12317	42	05590	10115	00	05590	32200	00	05590	28200
310	--	01434	08414	--	01434	08414				--	01632	26412
614	00	05690	08227	00	05690	02123	00	47390	30220	08	08490	27203

III	13h. G.M.T. 4th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	52	02555	10228	57	05662	30228	00	05690	01210	62	05656	26208
334	--	02545	08216	--	05544	32115				--	02545	96115
340	5-	05648	09328	5-	05651	30225	00	08690	30100	00	08490	30100
136	09	02790	12317	59	01773	14223	00	05690	26100	5-	41428	31248
336	53	01753	12315	53	05654	12316				53	02653	04314
350	07	02790	06326	03	05690	09228	00	05590	28100	00	41490	30145
368	5-	05545	06428	54	05554	04225	00	08490	00000	50	05541	28102
379	09	05590	08326	01	17590	08113	00	08490	02400	04	47390	32403
390	59	05664	08426	00	05690	06215	00	08490	00000	5-	08448	28208
382	03	05690		00	05590	00014	00	08490	29200	00	08490	30112
438	54	05655	08414	54	05663	06313	00	05690	32200	57	05554	02315
430	00	01790	10413	00	05690	10215	00	05690	04100	00	08490	26103
409	5-	05648	32228	5-	05648	04328	5-	01316	25443	57	05644	03225

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 5th March

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	cm, bczo	bbczo cf	c bfbx	Kew 24 hours ended 9h. Max. 1·0 21h on 4th Min. Time 0·2 9–14h on 4th
Croydon ...	cmoy	bczo ybm,	bfbcfx	
Greenwich ...	c	b	bmfx om	
Camden Square	c	c	*	
Kensington ..	bc	bc	*	
Hampstead ..	bc	o	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 % Today
Kew	46	34	18	-	-	2·8	*	*
Croydon ..	50	31	24	-	-	4·3	*	*
Greenwich ...	47	33	22	-	Tr	3·7	65	92
Westminster ..	48	34	30	-			61	93
Regents Park ..	47	32	25	-	-		52	93
Camden Square	48	33	27	-	-	*	*	90
Kensington ...	48	32	24	-	-		77	88
Hampstead ...	46	32	26	-	-		*	95

SECRET

Page 1

BRITISH SECTION

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

Saturday 6th March 1943.

No. 296.89.

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

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)	31·7	+16	N	2	2o	46	65	36	5	–	–	–	0	0	–
	Croydon ...	31·8	+12	NW	2	m/f	44	75	37	4	–	–	–	0	0	–
	S. Farnborough	32·0	+10	N'W	3	2o	48	65	35	5	–	–	–	0	0	–
	Boscombe Down	32·0	+12	N'E	3	2o	50	65	36	6	–	–	–	0	0	–
	Thorney Island	31·2	+14	N	3	m	50	65	38	4	–	–	–	0	0	–
	Lympne ...	31·0	+24	NNW	3	2o	45	75	38	6	5	–	–	7-8	7-8	2000
	Manston ...	31·0	+22	N'E	4	2o	43	75	36	5	5	–	–	10	10	900
2	Shoeburyness ...	30·1	+10	N	3	2o	48	75	39	6	5	–	–	7-8	7-8	1500
	Felixstowe ...	30·8	+18	NW'N	4	2o	48	65	36	6	5	–	–	4-6	4-6	2500
	Gorleston ...	30·2	+16	N'W	4	2o	48	85	42	6	–	4	–	0	1	–
	Mildenhall ...	31·3	+18	N'W	3	2o	50	65	38	6	–	4	1	0	1	–
	Cranwell ...	31·4	+10	N'W	3	2o	53	65	39	6	–	–	4	0	4-6	–
3	Birmingham ...	32·5	+14	NW	4	2o	49	75	41	6	–	–	2	0	4-6	–
	Upper Heyford	32·0	+16	N'E	3	2o	49	65	37	5	–	–	1	0	Tr	–
4	Ross-on-Wye	32·9	+14	N'W	3	b-bc	49	75	40	7	1	–	4	1	2-3	3000
5	Hartland Point	33·4	+22	NNE	3	2o	45	85	39	6	–	–	5	0	2-3	–
	Bristol ...	33·4	+12	NE	4	b	51	75	42	6	1	–	1	Tr	1	4000
	Portland Bill ...	31·5	+10	NE	2	0	48	85	44	7	5	–	–	10	10	2500
	Plymouth ...	32·9	+14	SW	1	2o	51	97	51	5	–	–	–	0	0	–
	The Lizard ...	32·4	+16	NE	3	c-bc	48	75	41	6	5	1	–	7-8	7-8	1000
	Scilly (St. Mary's)	32·7	+16	NEN	4	bc	48	85	42	6	5	–	–	4-6	4-6	1400
	Guernsey ...															
6	Pembroke ...	34·9	+10	NE'N	5	bc	50	85	46	7	8	–	–	4-6	4-6	2000
7	Holyhead (Valley)	34·4	+14	N'W	3	c	49	75	42	8	2	6	8	4-6	9	2500
	Chester (Sealand)	33·4	+14	NW	3	c-bc	50	75	43	7	1	–	–	4-6	7-8	2500
8	Manchester ...	32·4	+6	NNW	4	2o	49	75	43	6	2	–	–	7-8	7-8	2500
10	Spurn Head ...	30·9	+8	NNE	3	c-bc	49	65	38	7	5	4	–	4-6	7-8	1500
	Catterick ...	31·7	+8	NW	3	c	52	65	39	8	5	3	8	2-3	9	2000
	Tynemouth ...	31·1	+18	W	3	2o	51	65	40	6	5	–	–	7-8	7-8	2600
11	St. Abbs Head	29·7	+14	WNW	3	c	47	85	44	6	5	2	–	4-6	9+	3500
	Leuchars ...	29·7	+2	WNW	3	c	50	55	34	7	–	7	–	0	10	–
12	Renfrew (Abbots I.)	31·8	+10	WNW	4	c	50	65	39	8	1	5	8	1	9	2500
	Eskdalemuir ...	30·9	+4	W	2	c	48	55	33	8	5	7	–	1	9+	2500
	Point of Ayre...	33·7	+14	NW	4	c	52	75	42	7	5	3	4	4-6	9	3500
13A	Tiree	33·7	+10	NW'W	3	b-bc	50	(75)	43	8	7	7	–	1	2-3	4000
13B	Stornoway ...	29·6	+4	W	6	c-bc	49	85	45	7	1	–	2	7-8	7-8	3500
15	Dalwhinnie ...	30·0	+14	WNW	3	c	46	65	34	7	7	4	9	4-6	9+	2500
	Aberdeen ...	28·4	+8	NW'W	4	c	50	55	33	7	5	2	–	2-3	10	3500
	Wick ...	26·5	+16	WNW	5	c	48	75	41	8	2	1	–	4-6	9	2000
16	Sumburgh ...	20·4	+16	WNW	8	c/pr	44	97	43	7	2	6	1	9	9+	1800
17	Blacksod Point	37·3	+18	N'W	1	c-bc	51	75	43	8	8	–	–	7-8	7-8	4000
18	Malin Head ...	34·5	+12	NNW	2	bc	49	75	41	8	4	–	–	4-6	4-6	1500
	Aldergrove ...	34·8	+14	NNW	3	c	49	75	40	7	5	7	–	9	9+	2000
19	Birr Castle ...	36·3	+10	N	1	c	48	85	44	7	5	2	–	7-8	10	2500
20	Valentia Obsy.	36·5	+10	ENE	4	b-bc	52	65	40	8	1	–	4	Tr	2-3	2500
	Roches Point	35·9	+16	N'E	4	b-bc	52	85	48	8	1	–	1	1	2-3	4000

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

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)	33·1	+14	NNE	1	2o	50	65	37	5	–	–	6	0	7-8	–	1	*
	Croydon ...	32·8	+10	N'E	2	bf	47	75	37	2	–	–	–	0	0	–	0	*
	S. Farnborough	33·0	+14	N'E	1	m	51	65	38	4	–	–	1	0	4-6	–	0	*
	Boscombe Down	33·4	+14	N'W	1	2o	47	85	42	5	–	–	1	0	Tr	–	0	*
	Thorney Island	32·5	+14	–	0	2o	47	75	40	5	–	–	1	0	1	–	1	*
	Lympne ...	33·3	+14	NW	1	2o	41	85	38	6	–	–	6	0	4-6	–	0	§ 2
	Manston ...	32·6	+10	–	0	2o	42	85	37	5	–	–	2	0	7-8	–	0	*
2	Shoeburyness ...	32·3	+12	NNW	1	2o	45	85	40	5	–	–	1	0	4-6	–	1	*
	Felixstowe ...	32·6	+16	–	0	2o	44	85	41	5	–	4	1	0	2-3	–	0	1
	Gorleston ...	32·0	+10	NNW	2	2o	47	85	42	6	–	7	8	0	7-8	–	0	3
	Mildenhall ...	32·7	+14	N'E	1	2o	45	85	41	6	–	–	2	0	7-8	–	0	*
	Cranwell ...	32·6	+10	NNW	1	2o	49	65	39	6	–	4	2	0	9	–	0	*
3	Birmingham ...	34·1	+12	NNW	3	2o	47	75	40	5	5	–	6	2-3	7-8	4000	1	*
	Upper Heyford	33·0	+14	N'W	2	2o	46	85	40	5	–	–	8	0	4-6	–	0	*
4	Ross-on-Wye	33·7	+10	NNE	2	b-bc	49	65	39	8	–	4	2	0	2-3	–	1	*
5	Hartland Point	34·0	+8	NE	3	bc	47	92	45	7	–	–	5	0	4-6	–	0	2
	Bristol ...	33·9	+12	N	1	m	48	75	42	4	–	–	1	0	2-3	–	1	*
	Portland Bill ...	32·9	+4	NE	2	c-bc	49	75	42	7	5	–	–	7-8	7-8	2500	1	3
	Plymouth ...	33·4	+6	ENE	2	2o	51	65	41	6	5	4	1	1	4-6	4000	0	1
	The Lizard ...	33·0	+2	E'N	2	bc	49	85	44	6	5	7	–	4-6	4-6	1000	0	3
	Scilly (St. Mary's)	33·6	+6	NNE	3	b-bc	47	85	43	6	5	–	2	1	2-3	1400	0	4
	Guernsey ...																	
6	Pembroke ...	35·0	+4	NNE	4	c-bc	47	97	46	8	2	7	–	4-6	7-8	2500	0	2
7	Holyhead (Valley)	35·1	+4	N	3	c-bc	47	85	43	7	5	–	2	1	7-8	2500	0	2
	Chester (Sealand)	34·4	+6	NW	2	bc	46	85	42	6	–	–	6	0	4-6	–	0	*
8	Manchester ...	33·8	+10	W'N	3	2o	45	85	41	5	–	4	6	0	9	–	1	*
10	Spurn Head ...	33·0	+12	N'E	3	c-bc	45	85	39	7	5	3	1	4-6	7-8	2500	0	2
	Catterick ...	32·7	+10	WNW	2	bc	49	75	40	7	–	3	9	0	4-6	–	0	*
12	Renfrew (Abbots I.)	32·2	+12	WNW	3	2o	50	65	38	5	–	3	2	0	2-3	–	0	3
	Eskdalemuir ...	30·4	+2	WNW	4	c	49	75	40	7	5	4	–	7-8	9	3500	0	3
	Point of Ayre...	31·3	+10	WNW	3	c	49	65	39	7	–	7	8	0	9+	–	0	*
13A	Tiree	32·9	+10	WNW	3	c	48	75	40	7	1	7	–	2-3	9	2500	0	*
13B	Stornoway ...	32·7	+10	W'S	4	bc	44	65	34	8	5	–	2	Tr	4-6	2500	0	*
15	Dalwhinnie ...	35·1	+10	NW	5	bc	46	85	42	8	5	4	1	Tr	4-6	3000	0	3
	Aberdeen ...	34·6	+2	W'N	3	c	47	85	43	8	5	–	–	9	9	3000	0	3
	Wick ...	30·5	+2	W	5	c	47	92	45	7	5	–	4	9	9+	2200	1	3
16	Sumburgh ...	31·0	+14	W	3	c	42	75	34	7	5	3	–	4-6	9+	2500	0	*
17	Blacksod Point	29·8	+12	WNW	3	c-bc	49	65	36	7	5	7	–	2-3	7-8	2500	0	4
18	Malin Head ...	28·0	+14	WNW	5	c	47	75		7				7-8	10	2500	0	*
	Aldergrove ...	22·7	+14	NNW	6	r6r6	45	92	45	7	5	2	–	9	10	1000	1	4
19	Birr Castle ...	36·3	+2	N	1	bc	50	75	42	8	–	4	8	0	4-6	–	1	*
20	Valentia Obsy.	36·4	+6	ENE	4	c	51	75	43	8	1	–	2	Tr	9	2500	1	3
	Roches Point	36·2	+6	SW	1	bc	49	92	47	8	5	–	5	1	4-6	2500	1	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 5th (39)	Weather. 13h.—18h. 5th (40)	Weather. 18h. 5th to 1h. 6th (41)	Weather. 1h.–7h. 6th (42)
1	London (Kew)	cfmbmo	bzoyczo	c,bmfwx	bxcfm
	Croydon ...	oflbz	bzobf	ofbf	bfcmof
	S. Farnborough	bfxmzzo	bbczoy	bczcbcmbm	bbcmwcm
	Boscombe Down	bmxcmbzo	bzobczy	bmombmo	bbcc
	Thorney Island	bmxbm	bzo	bm	cbcmow
	Lympne ...	bcmoxfcmo	cbzobc	bcmobmx	bmxcff
	Manston ...	bcmo	czo	cbmom	cmf
2	Shoeburyness ...	bcmocmo	bcybcmo		bcmo
	Felixstowe ...	cmobccmo	bczobmo	bmobm	ofcf
	Gorleston ...	cbcbzo	bczo	bwmx	czo
	Mildenhall ...	oFbmbmzbzocbcmo		bmof	fwcfw
	Cranwell ...	bmobczo	bczoczo	bcbzobmcm	cbcm
3	Birmingham ...	fbpcz	bccz	cbc	bcc
	Upper Heyford	bcfxb	bbcbzo	bcmobm	bmcmo
4	Ross-on-Wye	bzbzoc	bc	bcb	bwxc
5	Hartland Point	cmobc	mobc	bcb	bbcw
	Bristol ...	bfxbmbmo	bbczo	bczbfwbfr	bfbcmx
	Portland Bill ...	o	c	c	c
	Plymouth ...	bmmo	bbcczo	bczobm	bmjfr
	The Lizard ...	b,czo	cbczo	bcbw	bbcc
	Scilly (St. Mary's)	cbc	bc bbc	bcbw	bw
	Guernsey ...				
6	Pembroke ...	bc	c	bc	bc
7	Holyhead (Valley)	cmoc	c	bmowx	bbcmx
	Chester (Sealand)	mcc	cbcmo	bmo	b,bc,cm,m
8	Manchester ...	oFFx	cbcczo	cmobff	cmmo
10	Spurn Head ...	czo	c	omo	omo
	Catterick ...	bcc	czobc	bmocmo	cmcmo
12	Renfrew (Abbots I.)	bccmo	cbcmo	bcmoc	cmo
	Eskdalemuir ...	bcmo	cm	cmobcc	c
	Point of Ayre...	cmowcmy	cmoeyc	cbcc	cbcmoc
13A	Tiree	bccmoc	cyc	cbbcmocm	cmoc
13B	Stornoway ...	bbccy	cybcy	bcbbc	bcc
15	Dalwhinnie ...	c	cbc	bbc	bbcc
	Aberdeen ...	cbc	bcbcc	c	bcc
	Wick ...	c	cbc	cmocbc	bccmobc
16	Sumburgh ...	cprc	cprorro		cmoidomo
17	Blacksod Point	bc	bc	bc	c
18	Malin Head ...	c	c	c	c
	Aldergrove ...	fgcmoc	cbcc	b	bbccw
19	Birr Castle ...	c	bc		f
20	Valentia Obsy.	bc	bc	b	b
	Roches Point	bc	bc	b	b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light northwest wind backing slowly; fair, mild during day; ground frost at night, local morning fog.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west wind, backing southwest and freshening, strong locally later; cloudy.
16 Orkneys and Shetlands	occasional rain, mild.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 0-12.

GENERAL INFERENCE

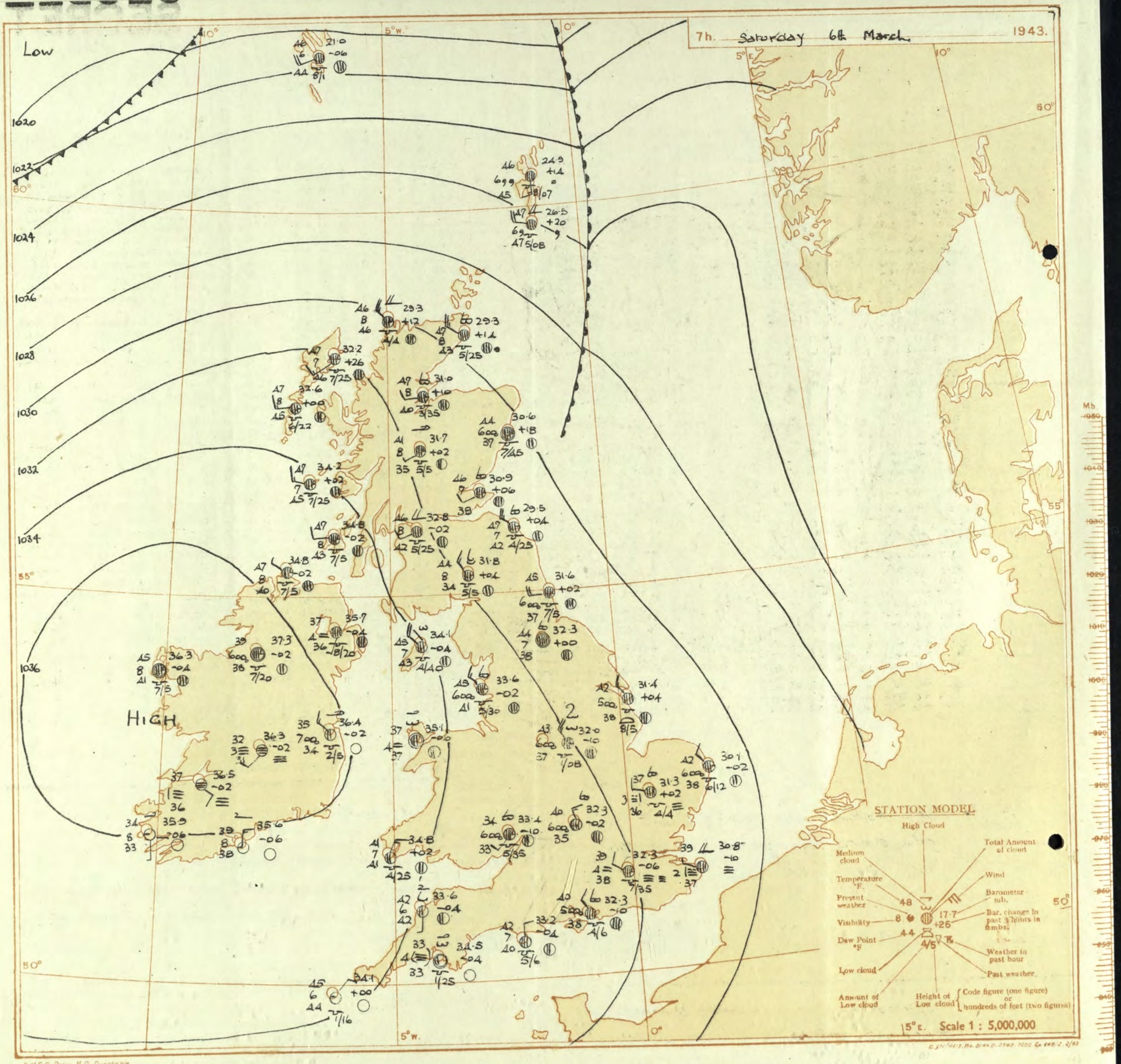
An anticyclone centred over Ireland will maintain fair quiet weather over most of England, Wales and South Scotland.

FURTHER OUTLOOK

Little change

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

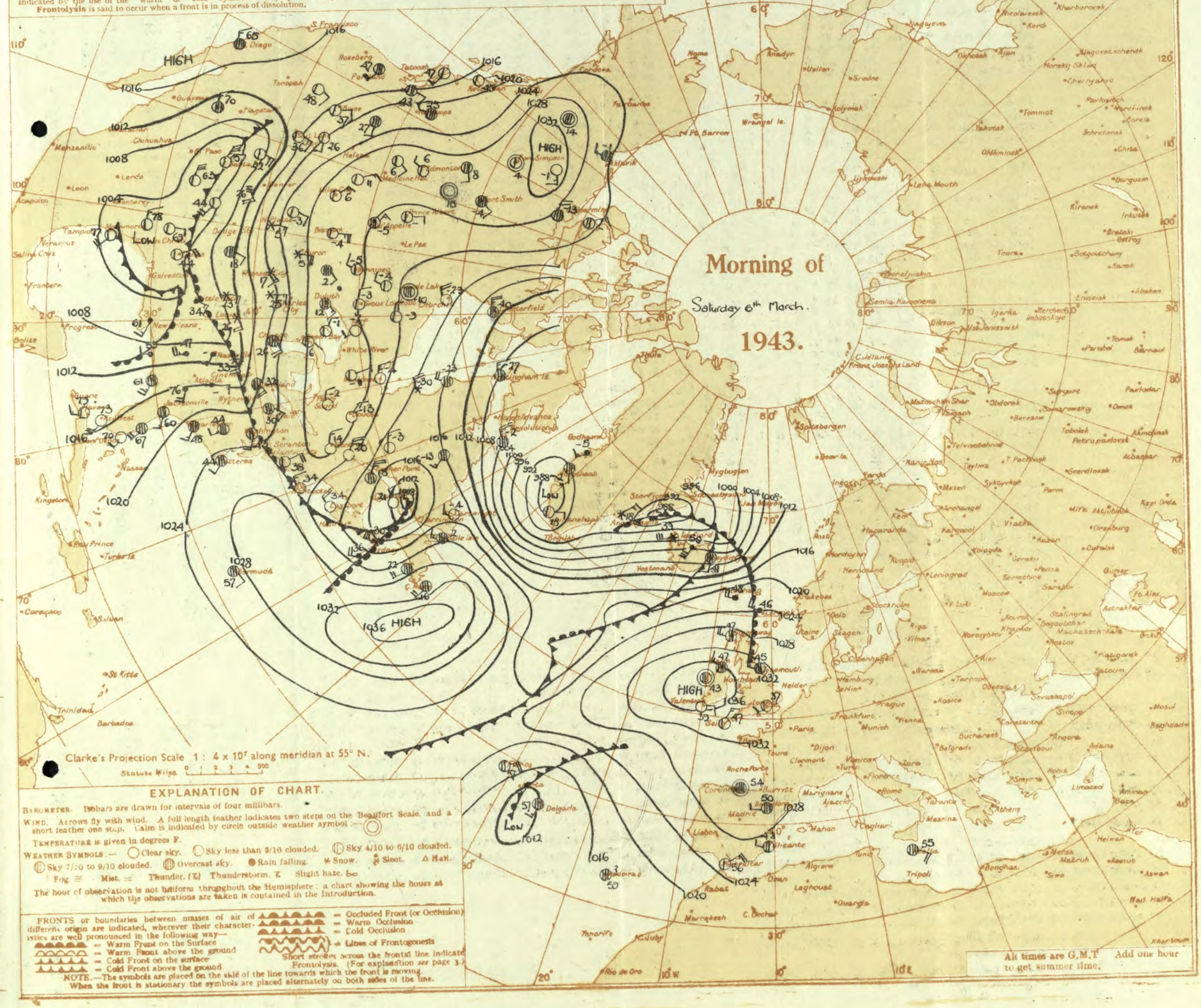
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Saturday 6th March 1943

No. 29689

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

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	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon ...	290	34·0	-2	SW'W	2	bf-	37	92	36	3	-	-	-	0	0	-
	S. Farnborough	226	34·6	-2	-	0	m	36	97	35	4	-	-	-	0	0	-
	Boscombe Down	417	34·9	-2	NW'N	2	z₀	38	92	36	6	-	-	-	0	0	-
	Thorney Island	10	34·0	0	-	0	m	37	97	36	4	-	-	-	0	0	-
	Lympne ..	283	33·8	-2	-	0	m	33	97	33	4	-	-	-	0	0	-
	Manston ...	154	32·6	-10	W'N	1	m	37	92	36	4	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	32·3	-6	WNW	2	m	39	92	37	4	-	-	-	0	0	-
	Gorleston ...	5	32·0	-4	NW'W	3	z₀	39	92	36	6	-	-	-	0	0	-
	Mildenhall ...	15	32·8	-4	SW'W	2	f+	33	97	32	2	-	-	-	10	10	4150
	Cranwell ...	203	32·5	-10	W	3	m	39	97	38	4	-	1	-	0	10	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	34·5	0	NNW	3	m	36	97	36	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	34·9	-2	NNE	2	b	44	97	44	7	-	-	-	0	0	-
	Bristol ...	209	36·0	+2	-	0	bf	39	92	37	3	-	-	-	0	0	-
	Portland Bill ...	32	34·1	+2	NE	2	c-bc	46	92	44	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	35·3	0	SE'E	2	m	42	92	39	4	-	-	-	0	0	-
	The Lizard ...	240	34·8	+4	NNE	3	b	45	85	41	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	35·0	+2	NNE	3	b	47	92	45	6	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	36·7	+2	NNE	3	b-bc	43	97	43	7	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	36·0	0	-	0	z₀	34	92	33	5	-	-	-	0	0	-
	Chester (Sealand)	16	35·2	-2	WNW	2	b	42	85	37	5	-	-	-	0	0	-
8	Manchester ...	235	34·7	-2	SW	2	bf	39	97	39	3	-	-	-	0	0	-
10	Spurn Head ...	29	32·3	-6	WNW	4	z₀	42	92	40	6	5	-	-	10	10	1500
	Catterick ...	175	31·7	-14	WNW	3	z₀	45	65	35	5	-	7	-	0	10	-
	Tynemouth ...	108	31·7	0	W	3	c	45	75	36	7	5	-	-	9	9	2500
11	St. Abbs Head	280	29·1	-10	WNW	5	c-bc	45	85	42	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	30·7	-2	SW	2	c	46	75	36	7	5	7	-	4-6	10	3500
12	Renfrew (Abbotsinch)	19	33·6	0	WSW	3	z₀	45	85	41	6	5	7	-	2-3	9	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	35·3	0	NW	5	b-bc	45	92	43	8	4	4	-	Tr	2-3	1800
13A	Tiree	44	34·2	-10	W	3	c	47	85	44	7	5	-	-	10	10	2500
13B	Stornoway ...	15	31·7	-2	W	5	bc	47	92	45	7	5	-	-	4-6	4-6	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	29·2	-6	WNW	5	c	46	75	37	8	-	7	-	0	9+	-
	Wick ...	114	27·3	-8	WNW	6	c	47	85	43	7	5	7	-	4-6	10	2000
16	Sumburgh ..	19	23·9	+2	WNW	5	id.	47	97	47	6	5	2	-	7-8	10	1000
17	Blacksod Point	18	37·4	-4	-	0	bc	43	92	41	8	8	-	-	4-6	4-6	4000
18	Malin Head ...	84	35·5	-6	NW	3	c	47	75	40	8	5	-	-	10	10	2500
	Aldergrove ...	268	36·3	-6	NW	2	b	40	85	37	7	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	37·2	-2	E'N	2	b	39	92	37	8	-	-	-	0	0	-
	Roches Point	22	37·2	-6	N'E	2	b	44	92	42	8	-	-	-	0	0	-

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

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)
London (Kew)	32·4	-4	W	1	m/f	39	92	37	4	5	2	-	7-8	10	4000	1	*
Croydon ...	32·3	-6	WNW	2	m/f	39	97	38	4	5	-	-	9+	9+	3500	0	*
S. Farnborough	32·6	-2	W'N	1	z₀	38	97	37	6	5	3	-	4-6	9+	5000	0	*
Boscombe Down	35·4	-4	W'N	2	z₀	36	97	35	6	5	7	-	4-6	9+	3000	0	*
Thorney Island	32·3	-10	NW'N	2	z₀	40	92	38	5	5	7	-	4-6	10	4000	1	*
Lympne ..	31·7	-6	WNW	2	cf+	35	97	34	3	-	7	-	0	10	-	0	§ 2
Manston ...	30·8	-10	W'N	1	cf+	39	92	37	2	-	2	-	0	10	-	1	*
Shoeburyness ...	31·3	-8	WNW	3	m	39	92	37	4	5	7	-	4-6	10	1500	1	*
Felixstowe ...	30·8	-6	NW'W	4	cf-	40	92	39	3	5	-	-	10	10	5700	0	3
Gorleston ...	30·1	-2	NW	2	z₀	42	85	38	6	5	-	-	9	9	1200	0	2
Mildenhall ...	31·3	+2	W'N	2	cf-	37	97	36	3	5	7	-	4-6	10	3000	1	*
Cranwell ...	31·7	+2	NNW	3	z₀	41	85	38	5	-	7	-	0	10	-	0	*
Birmingham ...	33·3	-4	NNW	3	z₀	42	85	38	5	5	7	-	7-8	10	800	1	*
Upper Heyford	32·3	-2	NNW	3	z₀	40	85	35	6	-	7	-	0	10	-	0	*
Ross-on-Wye	33·4	-10	SW'S	2	z₀	34	97	33	6	5	7	-	7-8	9+	3500	1	*
Hartland Point	33·6	-4	S	1	bc	42	97	42	6	-	4	5	0	4-6	-	1	2
Bristol ...	34·0	-4	SSE	1	m	35	97	35	4	5	-	-	9	9	5700	1	*
Portland Bill ...	33·2	-4	N	2	c-bc	42	92	40	7	5	-	-	7-8	7-8	4000	1	3
Plymouth ...	34·5	-4	-	0	b-bcf	33	97	33	4	5	3	1	Tr	2-3	2500	3	1
The Lizard ...	33·8	-4	NE	2	b-bc	43	92	41	8	4	-	-	2-3	2-3	2000	1	2
Scilly (St. Mary's)	34·1	0	NE'N	2	b	45	97	44	6	5	-	-	Tr	Tr	1600	1	3
Guernsey ...																	
Pembroke ...	34·8	+2	NNE	3	bc	41	97	41	7	5	-	-	4-6	4-6	2500	0	2
Holyhead (Valley)	35·1	-6	-	0	m	37	97	37	4	-	3	1	0	7-8	-	2	1
Chester (Sealand)	33·9	-8	WNW	2	z₀	44	85	41	5	5	7	-	7-8	10	4500	0	*
Manchester ...	33·4	-4	NW	3	z₀	43	92	41	5	5	-	-	10	10	2500	1	*
Spurn Head ...	31·4	+4	NW'W	3	z₀	42	85	38	5	7	-	-	10	10	2500	0	1
Catterick ...	32·3	0	-	0	c	44	75	38	7	-	7	-	0	10	-	0	*
Tynemouth ...	31·6	+2	W	4	z₀	45	75	37	6	5	-	-	9+	9+	2500	0	3
St. Abbs Head	29·5	+4	WNW	5	c	47	85	42	7	5	7	-	4-6	9	2500	0	4
Leuchars ...	30·9	+6	WSW	2	c	46	75	38	7	-	7	-	0	9+	-	0	*
Renfrew (Abbotsinch)	32·8	-2	WSW	2	c	46	85	42	8	5	2	-	7-8	10	2500	0	*
Eskdalemuir ...	31·8	+4	NW	3	c	44	65	34	8	5	9	-	7-8	9	2800	0	*
Point of Ayre ...	34·1	-4	NW'W	4	c-bc	45	92	43	7	5	3	-	4-6	7-8	4000	0	3
Tiree	34·2	+2	W'N	3	c	47	92	45	7	5	-	-	9+	9+	2500	0	3
Stornoway ...	32·2	+16	WSW	3	c	47	97	46	7	5	-	-	9+	9+	2500	1	3
Dalwhinnie ...	31·7	+2	WSW	1	c	41	75	35	8	5	-	2	7-8	9+	2500	0	*
Aberdeen † ...	30·6	+18	-	0	z₀	44	75	37	6	5	-	-	9+	9+	4500	0	1
Wick ...	29·3	+14	WNW	5	c/r	47	85	43	8	5	7	-	7-8	10	2500	1	*
Sumburgh ..	26·5	+20	WNW	4	id.	47	97	47	6	5	2	-	7-8	10	800	1	3
Blacksod Point	36·3	-4	-	0	c	45	85	41	8	5	-	-	9+	9+	2500	0	1
Malin Head ...	34·8	-2	W'N	1	c	47	75	40	8	5	-	-	9+	9+	2500	1	3
Aldergrove ...	35·7	-4	SSW	1	m	37	97	36	4	5	-	-	10	10	2000	1	*
Birr Castle ...	36·3	-2	SW	1	f	32	97	31	3	-	-	-	10	10	4150	1	*
Valentia Obsy.	35·9	-6	S	1	b	34	97	33	8	-	-	1	0	Tr	-	1	1
Roches Point	35·6	-6	N'E	3	b	39	97	38	8	-	-	5	0	1	-	1	2

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 5th Hrs. (38)
London (Kew)	53	38	23	-	Tr	4·8
Croydon ...	51	35	28	-	-	3·8
S. Farnborough	54	33	21	-	-	6·6
Boscombe Down	53	34	28	-	Tr	7·2
Thorney Island	52	36	26	-	-	*
Lympne ..	46	30	23	-	0·1	4·0
Manston ...	46	35	30	-	-	4·0
Shoeburyness ...	51	35	25	-	-	5·6
Felixstowe ...	53	39	31	-	-	5·[illegible]
Gorleston ...	51	37	33	-	-	4·[illegible]
Mildenhall ...	52	32	28	-	Tr	5·5
Cranwell ...	54	34	26	-	-	5·6
Birmingham ...	50	39	35	-	-	5·2
Upper Heyford	53	35	31	-	-	*
Ross-on-Wye	53	33	25	-	-	6·5
Hartland Point	52	40	39	-	Tr	8·1
Bristol ...	53	35	26	-	-	6·5
Portland Bill ...	52	40	*	-	-	*
Plymouth ...	53	33	22	-	-	7·6
The Lizard ...	53	40	*	-	-	5·9
Scilly (St. Mary's)	48	45	*	-	Tr	6·7
Guernsey ...						
Pembroke ...	53	39	*	-	-	8·3
Holyhead (Valley)	51	31	27	-	-	*
Chester (Sealand)	51	39	29	-	-	5·6
Manchester ...	50	37	27	-	-	*
Spurn Head ...	50	40	*	-	-	5·1
Catterick ...	54	42	30	-	-	6·2
Tynemouth ...	52	43	40	-	-	*
St. Abbs Head	49	44	*	-	-	*
Leuchars ...	52	43	40	-	-	0·2
Renfrew (Abbotsinch)	54	44	41	-	-	1·8
Eskdalemuir ...	51	39	35	-	-	1·9
Point of Ayre ...	52	43	*	-	-	5·8
Tiree	50	45	42	-	-	3·0
Stornoway ...	50	45	43	-	-	3·5
Dalwhinnie ...	48	39	32	-	-	3·[illegible]
Aberdeen † ...	51	43	34	-	-	*
Wick ...	50	45	38	Tr	Tr	*
Sumburgh ..	47	44	41	10	3	0·2
Blacksod Point	53	44	*	-	-	*
Malin Head ...	49	45		-	-	5·8
Aldergrove ...	51	35	29	-	-	2·9
Birr Castle ...	52	31	28	-	-	2·4
Valentia Obsy.	56	33	28	Tr	Tr	7·9
Roches Point	54	39	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th March $C_L C_M$	ww VhNh	DDFWN	18h. G.M.T. $C_L C_M$	ww VhNh	DDFWN	01h. G.M.T. 6th March $C_L C_M$	ww VhNh	DDFWN	07h. G.M.T. $C_L C_M$	ww VhNh	DDFWN
109	57	05654	5875	57	05656	24628	5-	02648	24628	52	02655	26328
115	57	02844	57527				52	02844	57527	52	02844	61527
203				8-	02847	20427	5-	02846	20426			
206	5-	02865	24527	57	01862	24524	57	02855	20428	57	02863	24227
210	57	02766	25527				53	02864	23525	53	02866	23417
220				57	02745	22317				52	02745	22128
239	8-	02864	24325	87	02853	22326	5-	02747	25328	51	02856	22128
245	57	02861	22228	07	02890	23217	57	02864	24217	07	02890	23216
260	57	01863	28226	07	05690	24225	07	05690	24328	57	08465	20326
278	50	02852	28517	57	02854	26427	5-	02856	26316	57	25328	34247
279	10	05653	26127	04	02790	27124	5-	05668	24128	57	05665	25127
285				53	01853	30514				5-	03858	30528
288	01	05690	28426	00	17690	26224	07	08490	21128	57	05652	22227
575	8-	02755	26125	50	02753	26126	50	05653	00013	5-	05657	00017
301	20	05652	28314	04	05690	25327	50	05662	29302	57	05665	27327
321	50	02753	32246	04	08490	00026	07	45390	24248	57	08464	26247
2.)	57	05654	28314	54	05653	30314	5-	02746	24216	5-	02745	28415
292	10	02761	28218	07	02790	28126	02	05690	00018	07	05690	24217
310	--	01425	26415	--	01425	24415						
614	00	05590	32224	04	05590	28213	57	08455	24106	57	05561	28326

III	13h. G.M.T. 5th March $C_L C_M$	ww VhNh	DDFWN	18h. G.M.T. $C_L C_M$	ww VhNh	DDFWN	01h. G.M.T. 6th March $C_L C_M$	ww VhNh	DDFWN	07h. G.M.T. $C_L C_M$	ww VhNh	DDFWN
333	5-	05666	02326	44	02753	32326	00	05690	28200	57	02741	09107
334	--	01763	01114	--	01753	26214				--	02646	00027
340	5-	05654	28226	44	02653	30225	00	05590	28100	52	05668	30228
136	00	01790	31314	04	05690	32218	03	05690	22228	57	05564	29328
336	10	01763	32313	54	01752	04314				57	02753	04328
350	00	09690	32221	00	05590	30102	00	47390	28100	57	05544	28348
368	00	05590	18200	00	05590	00014	40	08461	04101	53	02754	30316
379	00	08490	32340	00	08490	30314	00	08490	30300	07	05690	30428
390	50	05541	30421	04	05590	30113	00	08490	24100	57	45365	26148
382	00	05690	04500	00	05590	30213	00	05590	00000	5-	05667	00027
438	00	05590	02310	54	05553	02214	00	05590	02210	5-	04547	30227
430	00	08490	04300	00	08490	06115	00	08490	02300	53	05563	22127
409	00	05590	02410	00	05690	02205	00	05690	02100	54	05651	01114

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 6th March

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	cfmbm₀	bzoyc z₀	bxcfm	Kew 24 hours ended 7h. Max. Time 1·2 22 5th. Min. Time <0·2 13–16h 5th.
Croydon ...	ofbz	bz₀bf	pfbf	
Greenwich ...	obm	bzy	bcbcm	
Camden Square	o	c	*	
Kensington ..	obc	bc	*	
Hampstead ..	bc	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	38	23	-	Tr	4·8	*	*
Croydon ...	51	35	28	-	-	3·8	*	*
Greenwich ..	52	34	24	-	-	4·1	54	83
Westminster ...	53	36	31		-		53	91
Regents Park ..	54	36	29	-	-		55	83
Camden Square	54	36	29	-	-	*	*	85
Kensington ...	53	37	27	-	-		78	86
Hampstead ..	52	37	34	-	-		*	89

BRITISH SECTION

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

SECRET

Sunday 7th March 1943.

No. 22690

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

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)	32·0	−6	N'E	3	Zo	49	65	36	6	5	3	–	7-8	7-8	4000
	Croydon ...	31·8	−4	N	3	m	48	65	38	4	5	–	–	4-6	7-8	4000
	S. Farnborough	31·8	−12	NNE	3	Zo	51	65	37	6	–	3	–	0	9+	–
	Boscombe Down	32·4	−10	N	2	Zo	50	75	41	6	5	3	–	2-3	7-8	3000
	Thorney Island	31·4	−10	N	3	Zo	53	45	31	6	–	3	–	0	9	–
	Lympne ...	30·8	−10	N	3	Zo	48	65	38	5	–	3	–	0	4-6	–
	Manston ...	30·2	−10	N'W	3	Zo	48	75	39	5	–	3	–	0	9+	–
2	Shoeburyness ...	30·7	−10	NNW	3	Zo	51	65	40	6	–	3	–	0	4-6	–
	Felixstowe ...	30·5	−16	NNW	4	Zo	50	75	41	6	5	3	–	4-6	9	4500
	Gorleston ...	30·2	−4	N	5	c	47	85	42	7	5	–	–	10	10	2500
	Mildenhall ...	31·5	−6	NNW	4	Zo	49	65	39	6	5	3	–	4-6	9+	5000
	Cranwell ...	32·5	−2	N'E	3	Zo	50	65	38	6	–	7	–	0	9+	–
3	Birmingham ...	32·5	−2	NE	2	Zo	51	75	43	6	5	3	–	Tr	4-6	4000
	Upper Heyford	32·5	−6	N'E	3	Zo	51	65	39	6	–	–	9	0	4-6	–
4	Ross-on-Wye	32·8	−10	NNE	2	c-bc	51	65	39	7	–	3	–	0	7-8	–
5	Hartland Point	32·8	−14	NNE	2	b-bc	49	85	45	7	–	4	–	0	2-3	2500
	Bristol ...	33·0	−12	NE	3	Zo	50	75	42	6	–	3	–	0	4-6	–
	Portland Bill ...	31·8	−20	NW	2	c-bc	50	85	46	8	½	–	–	7-8	7-8	4000
	Plymouth ...	33·0	−14	SW'S	2	Zo	54	65	43	6	–	5	–	0	4-6	–
	The Lizard ...	33·7	−4	W	3	b-bc	53	85	47	7	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	33·9	−8	NNE	2	bc	51	85	47	6	1	–	–	4-6	4-6	1200
	Guernsey ...															
6	Pembroke ...	33·7	−10	N'E	4	b-bc	52	85	47	7	1	4	–	2-3	2-3	3000
7	Holyhead (Valley)	34·1	−12	N'W	2	bc	49	75	40	7	5	3	–	4-6	4-6	3000
	Chester (Sealand)	33·7	−2	NNW	3	c	50	75	41	6	5	3	–	7-8	9	2500
8	Manchester ...	33·1	−6	W	2	Zo	51	75	45	5	–	4	–	0	7-8	–
10	Spurn Head ...	32·3	0	NNW	5	c	47	75	39	7	5	2	–	4-6	10	2500
	Catterick ...	33·3	+2	NNE	2	Zo	52	65	40	6	–	3	–	0	9+	–
	Tynemouth ...	32·7	0	NNE	3	bc	51	65	36	7	5	3	–	2-3	4-6	2500
11	St. Abbs Head	32·3	+6	–	0	b	50	85	46	7	5	–	–	Tr	Tr	4000
	Leuchars ...	32·0	−4	E	2	b	55	65	41	8	–	–	–	0	0	–
12	Renfrew (Abbots I.)	32·5	−4	W'S	2	b	57	65	44	8	5	–	–	Tr	Tr	3000
	Eskdalemuir ...	32·0	0	–	0	b	55	45	36	8	–	–	–	0	0	–
	Point of Ayre ...	33·7	0	NNW	4	b	53	75	46	8	1	–	–	Tr	Tr	2500
13A	Tiree ...	33·7	−6	W'S	2	c	48	85	45	8	5	–	–	10	10	3000
13B	Stornoway ...	31·1	−4	NSW	4	bc	52	75	47	8	7	4	–	4-6	4-6	3000
15	Dalwhinnie ...	32·0	−2	N	1	b	53	55	35	8	1	–	–	Tr	Tr	4000
	Aberdeen ...	31·7	−2	NNW	3	bc	53	55	49	8	7	3	–	2-3	4-6	2500
	Wick ...	30·4	−2	NW	3	b-bc	53	65	42	9	1	3	–	0	2-3	3000
16	Sumburgh ...	27·6	−2	W'S	4	c	47	97	46	7	5	3	1	7-8	9	2000
17	Blacksod Point	35·2	−10	S'W	1	c	49	75	42	8	8	3	–	4-6	9	4000
18	Main Head ...	33·9	−10	WNW	2	c	50	65	39	8	5	–	–	9+	9+	2500
	Aldergrove ...	35·2	−6	SSW	2	c	48	75	41	8	5	3	–	9	9+	2800
19	Birr Castle ...	35·5	−10	S	1	c	44	97	43	7	5	–	–	10	10	2500
20	Valentia Obsy.	34·8	−10	WNW	2	b	52	65	40	8	1	4	1	Tr	1	2500
	Roches Point	35·0	−10	SW	1	b	52	85	48	8	1	–	–	Tr	1	4000

OBSERVATIONS at 18h. G.M.T. 6th March

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)	°F. 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)	31·6	+6	N'E	3	Zo	49	75	40	6	5	–	4	9+	9+	2500	1	*
	Croydon ...	31·5	+6	N	3	m	49	75	41	4	5	7	–	7-8	9+	3000	0	*
	S. Farnborough	31·5	+2	NNE	3	Zo	51	65	37	6	5	7	–	9	9+	3000	0	*
	Boscombe Down	31·6	0	NNE	1	Zo	49	75	40	6	–	3	–	0	4-6	–	0	*
	Thorney Island	31·0	+6	N	2	Zo	48	65	39	6	–	3	–	0	4-6	–	0	*
	Lympne ...	31·3	+14	NE	3	dd	44	97	43	5	5	–	–	9	10	600	1	§ 8
	Manston ...	30·8	+6	N	4	r	44	97	42	6	5	–	–	9+	9+	400	1	*
2	Shoeburyness ...	31·3	+10	NE	3	d.d.	45	97	45	6	5	–	–	10	10	800	1	*
	Felixstowe ...	31·8	+14	N	3	c-bc	45	97	44	6	5	3	–	2-3	7-8	4000	1	2
	Gorleston ...	31·0	+10	N	2	Zo	44	92	42	5	5	7	–	4-6	4-6	1800	0	3
	Mildenhall ...	32·4	+14	NNE	3	Zo	46	85	43	6	5	–	–	10	10	1500	0	*
	Cranwell ...	32·6	+2	NE'N	3	c	48	85	42	7	5	–	–	10	10	2800	0	*
3	Birmingham ...	32·0	0	ENE	2	Zo	50	75	42	6	–	7	–	0	4-6	–	1	*
	Upper Heyford	32·0	0	NE	3	Zo	49	75	40	6	5	3	–	Tr	7-8	2500	0	*
4	Ross-on-Wye	32·0	−4	NNW	1	Zo	49	75	41	6	–	7	1	0	2-3	–	0	*
5	Hartland Point	31·8	−2	NNE	1	bc	47	92	45	7	–	4	–	0	4-6	–	0	2
	Bristol ...	32·4	+4	NNE	2	m	49	85	43	4	–	3	–	0	4-6	–	1	*
	Portland Bill ...	31·0	−2	NW	2	c	50	85	46	8	2	–	–	9	9	4000	1	3
	Plymouth ...	31·5	−6	–	0	Zo	49	85	45	5	–	3	–	0	4-6	–	0	1
	The Lizard ...	31·9	−4	N	2	b	51	75	45	8	–	–	–	0	0	–	1	3
	Scilly (St. Mary's)	31·8	−12	NNE	3	b-bc	48	92	46	7	5	–	–	1	2-3	1200	0	2
	Guernsey ...																	
6	Pembroke ...	32·6	−4	N'E	4	b-bc	45	92	42	7	1	3	–	1	2-3	2000	1	2
7	Holyhead (Valley)	32·9	−6	NNE	1	bf	46	85	43	7	–	4	–	0	Tr	–	0	1
	Chester (Sealand)	32·9	−6	NW	1	b-bc	46	85	42	7	–	3	5	0	2-3	–	0	*
8	Manchester ...	32·6	+2	W'S	2	Zo	46	92	43	5	–	3	–	0	Tr	–	1	*
10	Spurn Head ...	33·2	+6	N'E	4	c	45	85	40	7	5	2	–	7-8	10	2500	0	3
	Catterick ...	33·4	+2	E	1	Zo	47	75	41	5	–	4	–	0	Tr	–	0	*
	Tynemouth ...	33·0	+4	NE	2	b-bc	47	75	39	7	–	4	–	0	2-3	–	0	3
11	St. Abbs Head	31·7	−4	SSE	2	b	46	97	45	7	5	–	–	1	1	4000	0	3
	Leuchars ...	31·8	+2	SSE	3	bc	47	75	40	7	–	–	6	0	4-6	–	0	*
12	Renfrew (Abbots I.)	32·2	+2	W'S	2	bc	48	85	43	7	–	7	6	0	4-6	–	0	*
	Eskdalemuir ...	32·0	−2	SW	2	b	46	75	39	8	–	–	1	0	1	–	1	*
	Point of Ayre ...	32·7	−4	NW'N	3	b	46	92	44	8	–	–	5	0	Tr	–	0	2
13A	Tiree ...	32·7	−6	WSW	1	c	48	97	47	9	5	–	–	9+	9+	3000	0	2
13B	Stornoway ...	30·4	−2	SSW	4	c	47	97	46	8	5	4	–	9	9+	2500	1	3
15	Dalwhinnie ...	32·0	0	WSW	1	c-bc	45	75	37	8	4	–	2	Tr	7-8	4000	0	*
	Aberdeen ...	31·5	−4	S	2	Zo	47	75	38	6	–	4	5	0	4-6	–	0	2
	Wick ...	30·2	+2	–	0	bc	46	85	44	9	5	3	–	4-6	4-6	4000	0	*
16	Sumburgh ...	28·0	+2	SW'W	4	c	48	97	47	7	5	3	7	4-6	10	1200	1	3
17	Blacksod Point	33·4	−14	S	1	c	47	85	43	8	8	3	–	7-8	9+	2500	0	2
18	Main Head ...	33·0	−6	W'N	3	c	47	85	43	8	5	–	–	10	10	1500	1	2
	Aldergrove ...	33·4	−8	–	0	c	47	75	40	8	–	–	7	0	10	–	0	*
19	Birr Castle ...	33·3	−4	N	1	b-bc	48	85	44	8	–	–	8	0	2-3	–	1	*
20	Valentia Obsy.	33·5	−6	–	0	c-bc	49	85	45	8	5	5	–	1	7-8	2500	1	1
	Roches Point	33·3	−6	SW	1	b	48	92	46	8	–	4	–	0	Tr	–	1	2

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)	cmfzo	bczoyczo	cirocmo	b,cmox
	Croydon ...	cfcm,z	czbzoczo	cid.bcm.	bmxomofe
	S. Farnborough	cmzobczo	cbbcczoyczo	cmobmox	cmobmobo
	Boscombe Down	cmo	czobzo	bzocmo	emobmobo
	Thorney Island	cmo	bczoy	bmcmobcm	bcbmowx
	Lympne ...	cfmbczo	bczo,ddm	cdbcmo	bmobx
	Manston ...	cmozo	czomo	cbmo	bmox
2	Shoeburyness ...	cmobczo	czocdd	cidombmo	bfy
	Felixstowe ...	cmoczo	cdddomcmo	cmocidbmo	bmowbcmx
	Gorleston ...	czoc	cbc tm	bcmobw	bffx
	Mildenhall ...	cmcz	czoczzo	mocmodd	bmobfx
	Cranwell ...	czo	czoc	cmocm	cidbopF
3	Birmingham ...	cbcz	ccz	bccm	cmfe
	Upper Heyford	cmobczo	bczoczo	cbmocmo	oidmocm
4	Ross-on-Wye	cmobc	cbc	bmo	tbucmo
5	Hartland Point	bc	bc	bcbbe	bc
	Bristol ...	cmxcmbccm	bcmo,bmo	bembcbfw	bfxcbcf
	Portland Bill ...	c	c	bc	cbc
	Plymouth ...	bcmo	bcbzomobm	bbcemo	bbcemo
	The Lizard ...	bc	bcb	bw	cbcw
	Scilly (St. Mary's)	bbc	bc	bcbw	bbcw
6	Pembroke ...	bc	bc	bcbw	bbcwmo
7	Holyhead (Valley)	bcmo	cb	bfw	bffwx
	Chester (Sealand)	cmobcmo	czobc	bmfF	bfFF
8	Manchester ...	cbcmo	cbcbzo	bcff	bffx
10	Spurn Head ...	c	c	fcm	fc
	Catterick ...	cczo	bczobzo	bf	bfwoF
	Tynemouth ...	cmo	bc	bcm	bm
11	St. Abbs Head	cb	b	b	bbc
	Leuchars ...	cbcb	bbc	bcbmow	bmqcw
12	Renfrew (Abbots I.)	cbcb	bbc	bcb	bmobcmocm
	Eskdalemuir ...	cboby	byb	bbmo	boFe
	Point of Ayre ...	cb	b	bw	bifFF
13A	Tiree ...	c	c	c	c
13B	Stornoway ...	cbc	bcc	c	c
15	Dalwhinnie ...	c,by	b,c	*	cbcc
	Aberdeen ...	czocbcy	bybczo	bczo.x	cmox
	Wick ...	cbcb	bc	cbc	cbc
16	Sumburgh ...	cmoidoc	c	c	c
17	Blacksod Point	c	c	bc	c
18	Main Head ...	c	c	c	e
	Aldergrove ...	cmcmoc	bbcc	cbccmo	cmoccmo
19	Birr Castle ...	f	bc	*	c
20	Valentia Obsy.	b	bc	bc	bc
	Roches Point	bc	b	b	f

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

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 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 southeast winds in South, southwesterly in North. Fine but some fog or low stratus patches at first, clearing soon. Cloudy locally on coasts. Fairly general fog expected in inland districts during latter of night, clearing slowly to-morrow; visibility mainly moderate or good to-day, but poor locally. Mild, but ground frost to-night.
13B N.W. Scotland	As 15-16.
14 Mid Scotland	As 1-13A.
15 N.E. Scotland	Moderate or fresh southwest wind. Fair; some rain or showers late in period; good visibility: mild.
16 Orkneys and Shetlands	
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light southerly winds; cloudy at first but cloud probably breaking later. Moderate or good visibility to-day, fog developing later to-night. Mild; some ground frost at night.

GENERAL INFERENCE

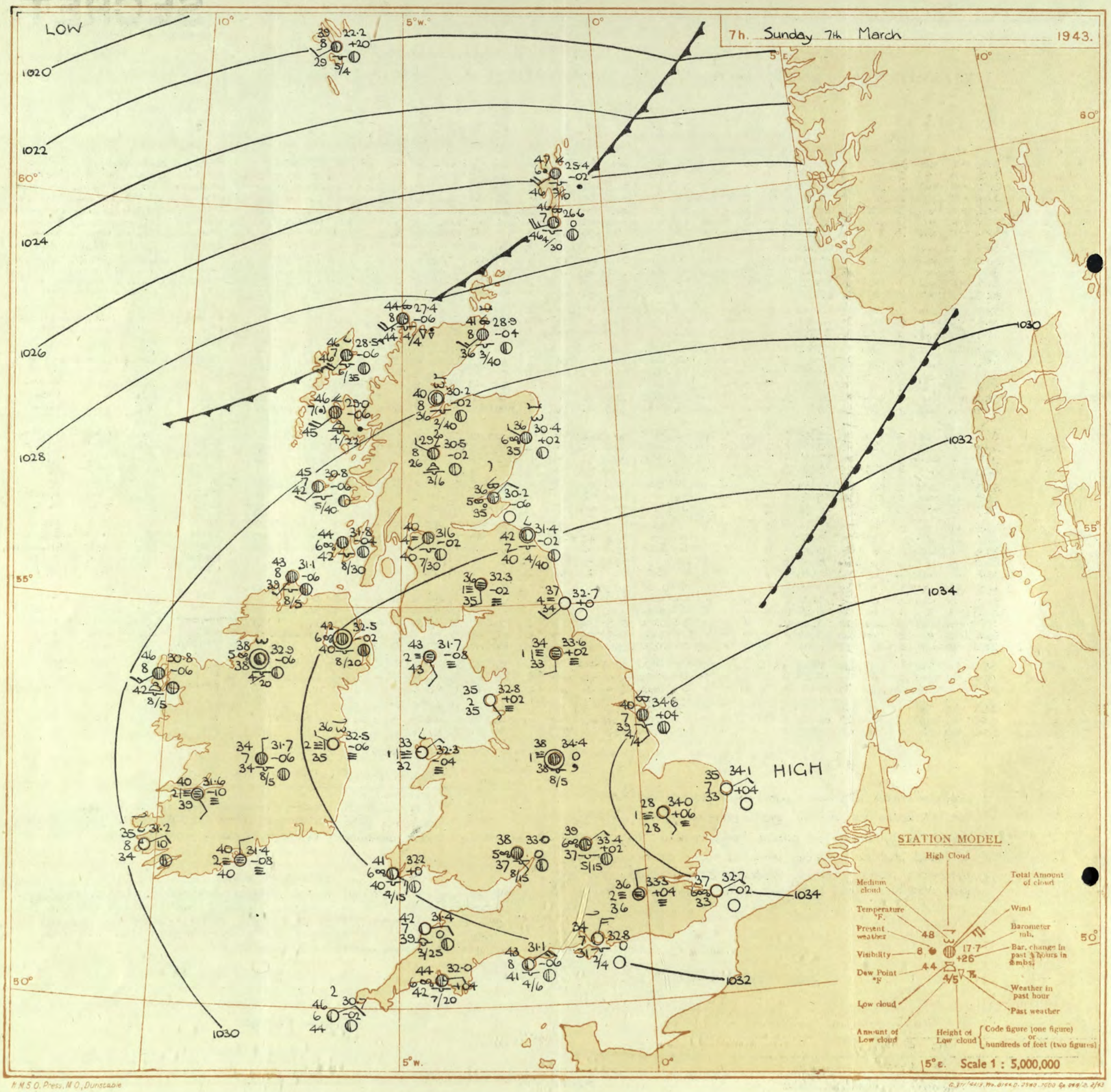
An anticyclone is centred to the east of Scotland, and a deepening depression southeast of Greenland is moving northeast. It will be fine in most districts but cloudy locally. Fairly general fog expected in latter half of night, clearing slowly to-morrow. Mild but with ground frost at night.

FURTHER OUTLOOK

Little change.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

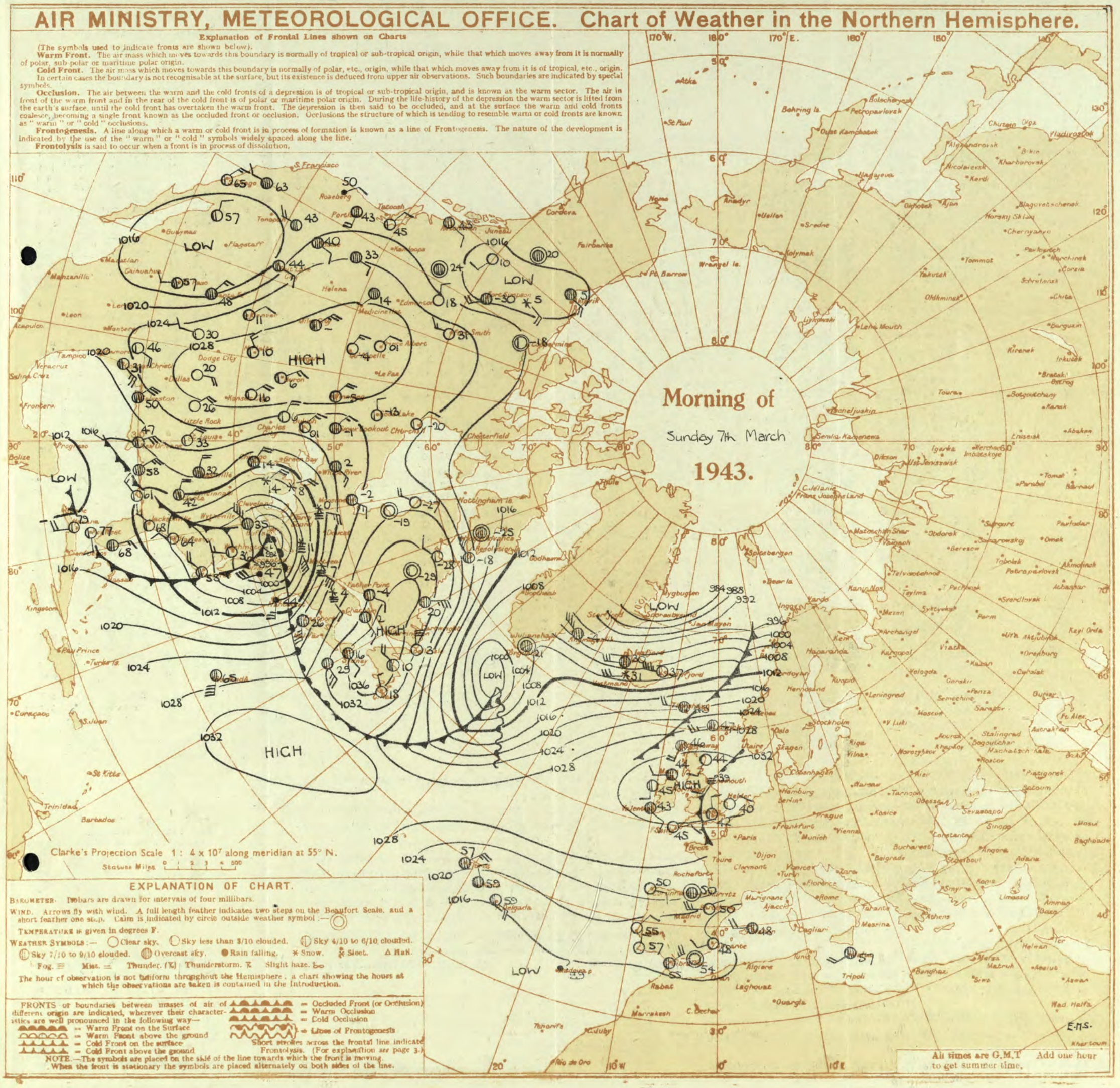
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

Page 4.

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

Sunday 7th March 1943

No. 29690

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	33.3	+10	N	2	z.	42	85	38	5	5	-	-	2-3	2-3	2000
	S. Farnborough	226	33.6	+6	NE'E	3	z.	45	85	41	6	5	-	-	10	10	2000
	Boscombe Down	417	33.3	+2	NE'N	2	z.	42	97	41	6	5	-	-	9	9	1200
	Thorney Island	10	32.9	+10	NE'E	2	z.	45	85	40	6	-	3	-	0	4-6	-
	Lympne	283	33.4	+10	-	0	z.	35	97	34	6	-	-	-	0	0	-
	Manston	154	33.4	+8	NE'E	1	z.	37	85	34	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	33.9	+10	NNE	3	z.	37	97	36	6	-	-	-	0	0	-
	Gorleston	5	33.9	+10	NE'N	1	z.	40	92	39	6	-	-	-	0	0	-
	Mildenhall	15	34.1	+6	E	2	z.	38	97	37	6	-	-	-	0	0	-
	Cranwell	203	34.2	+2	-	0	id.	42	92	41	4	5	-	-	10	10	1000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	33.7	+2	E	1	z.	42	97	41	5	5	-	-	10	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	32.1	0	ENE	2	b	46	85	44	7	-	4	-	0	1	-
	Bristol	209	33.9	+2	-	0	bf	38	97	37	3	-	-	-	0	0	-
	Portland Bill	32	32.8	+6	NW	2	bc	45	85	40	8	5	-	-	4-6	4-6	4000
	Plymouth	82	32.6	-2	-	0	m	42	85	39	4	-	-	-	0	0	-
	The Lizard	240	32.4	+2	N	2	b	47	97	46	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	31.7	-2	ENE	3	z.	45	97	44	6	-	4	-	0	0	-
	Guernsey	175															
6	Pembroke	142	33.0	+2	E'N	3	b	43	97	42	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	33.2	-2	-	0	bF+	34	97	34	1	-	-	-	0	0	-
	Chester (Sealand)	16	33.8	-2	-	0	F+	36	92	34	1	-	-	-	10	10	<150
8	Manchester	235	34.2	-2	SE'E	3	bf	42	85	38	3	-	-	-	0	0	-
10	Spurn Head	29	34.3	+2	SE'S	3	m	42	97	41	4	5	2	-	7-8	10	1500
	Catterick	175	34.6	-2	SSE	1	bf-	33	97	33	3	-	-	-	0	0	-
	Tynemouth	108	33.1	-2	SW	2	m	39	85	35	4	-	-	-	0	0	-
11	St. Abbs Head	280	31.7	-4	SW	2	b	43	92	41	7	5	-	-	Tr	Tr	4000
	Leuchars	36	31.6	-2	-	0	z.	37	92	36	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	32.5	+2	-	0	z.	37	97	37	6	5	-	-	2-3	2-3	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	33.1	+4	W'S	2	b	37	97	37	8	-	-	-	0	0	*
13A	Tiree	44	32.2	-2	S	1	c	46	97	44	7	5	-	-	9	9	4000
13B	Stornoway	15	29.7	-4	SSW	4	c	46	97	45	7	5	-	-	10	10	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	30.8	-8	SSW	2	z.	44	85	41	6	-	-	-	0	0	-
	Wick	114	29.7	+2	SW	2	bc	43	85	38	8	5	-	-	4-6	4-6	3000
16	Sumburgh	19	27.6	-2	WSW	5	c	46	97	45	7	5	1	7	1	10	1200
17	Blacksod Point	18	32.4	-6	S	2	bc	45	85	41	8	8	-	-	4-6	4-6	2500
18	Malin Head	84	32.5	-2	W'S	1	c-B	44	85	40	8	5	-	-	7-8	7-8	2500
	Aldergrove	268	33.6	0	-	0	z.	41	97	40	6	5	-	-	10	10	1900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	33.3	-2	ESE	2	c-bc	43	92	41	8	5	-	-	7-8	7-8	2500
	Roches Point	22	33.3	0	NNE	1	b	43	97	42	8	5	-	-	1	1	2500

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

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)	33.8	+6	N	1	z.	37	92	35	5	5	-	-	9+	9+	4000	1	*
Croydon	33.3	+4	N	2	f	36	97	36	2	-	-	-	10	10	<150	0	*
S. Farnborough	33.9	+12	-	0	z.	32	92	30	5	-	7	5	0	2-3	-	0	*
Boscombe Down	33.3	+6	NE'E	2	bc	38	92	36	7	5	-	-	4-6	4-6	1200	0	*
Thorney Island	32.8	0	N'E	3	b-bc	34	92	31	7	5	-	1	1	2-3	1500	1	*
Lympne	33.3	+2	NW	1	b	32	97	31	8	-	-	-	0	0	-	0	§ 3
Manston	32.7	-2	E'N	1	z.	37	92	33	6	-	-	-	0	0	-	1	*
Shoeburyness	33.6	-2	NNE	2	bF+	32	97	32	1	-	-	-	0	0	-	0	*
Felixstowe	33.7	+6	NE	3	z.	32	97	31	6	-	-	1	0	4-6	-	1	2
Gorleston	34.1	+4	ENE	1	b	35	92	33	7	-	-	-	0	0	-	3	2
Mildenhall	34.0	+6	SE'E	1	bF	28	97	28	1	-	-	-	0	0	-	0	*
Cranwell	34.1	0	S	1	F+	37	97	37	0	-	-	-	10	10	<150	1	*
Birmingham	33.5	0	NE	1	cf	41	92	39	3	5	-	-	10	10	450	1	*
Upper Heyford	33.4	+2	NE'E	1	z.	39	92	37	6	5	7	-	7-8	9+	1500	0	*
Ross-on-Wye	33.0	0	SE	1	z.	38	92	37	5	5	-	-	10	10	1500	0	*
Hartland Point	31.4	0	E	2	b-bc	42	92	39	7	4	-	-	2-3	2-3	2500	0	2
Bristol	33.8	+4	E	1	c-bc/f	39	97	38	5	5	-	-	7-8	7-8	2500	1	*
Portland Bill	31.1	-6	ENE	3	bc	43	92	41	8	5	-	-	4-6	4-6	4000	1	3
Plymouth	32.0	+4	E	1	z.	44	92	42	6	5	-	-	9+	9+	2000	0	1
The Lizard	30.7	-4	ENE	4	bc	47	92	45	7	2	-	-	4-6	4-6	2000	1	3
Scilly (St. Mary's)	30.7	-2	E'N	2	bc	46	92	44	6	-	-	6	0	4-6	-	0	3
Guernsey																	
Pembroke	32.2	0	E'S	3	z.	41	92	40	6	5	-	-	4-6	4-6	1500	0	2
Holyhead (Valley)	32.3	-4	NE	1	bF+	33	97	32	1	-	4	-	0	Tr	-	1	1
Chester (Sealand)	33.0	+4	SE	1	F-	37	97	36	1	-	-	-	10	10	<150	1	*
Manchester	33.8	+2	-	0	bF+	33	97	33	1	-	-	-	0	0	-	1	*
Spurn Head	34.6	+4	S'E	2	c	40	97	39	7	5	7	-	4-6	10	1500	0	3
Catterick	33.6	+2	S	2	F+	34	92	33	1	-	-	-	10	10	<150	1	*
Tynemouth	32.7	0	SW	2	m	37	92	34	4	-	-	-	0	0	-	0	3
St. Abbs Head	31.4	-2	-	0	bc	42	92	40	7	5	4	-	4-6	4-6	4000	0	3
Leuchars	30.2	-6	NNE	2	z.	36	97	35	5	-	7	4	0	9	-	1	*
Renfrew (Abbots I.)	31.6	-2	SW'S	1	m	40	97	40	4	5	-	-	9+	9+	3000	0	*
Eskdalemuir	32.3	-2	S	2	F	36	97	35	1	-	-	-	10	10	<150	1	*
Point of Ayre	31.7	-8	S'E	2	f+	43	97	43	2	-	-	-	10	10	450	0	1
Tiree	30.8	-6	SSW	3	c-bc	45	89	42	7	5	-	-	7-8	7-8	4000	0	1
Stornoway	28.5	-6	SSW	4	c	46	97	46	7	5	4	-	9	9+	3500	1	3
Dalwhinnie	30.5	-2	WNW	1	c-bc	29	92	26	8	8	4	9	2-3	7-8	4000	3	*
Aberdeen †	30.4	+2	WNW	1	z.	36	97	35	6	-	7	7	0	10	-	1	1
Wick	28.9	-4	SW	3	c	41	85	36	8	5	7	7	2-3	10	4000	0	*
Sumburgh	26.6	0	WSW	5	c	46	97	46	7	5	7	-	4-6	9+	3000	1	3
Blacksod Point	30.8	-6	SW	3	c	46	85	42	8	8	-	-	10	10	2500	1	3
Malin Head	31.1	-6	S'W	1	c	43	85	39	8	5	-	-	10	10	2500	1	2
Aldergrove	32.5	-2	-	0	z.	42	92	40	6	5	-	-	10	10	2000	1	*
Birr Castle	31.7	-6	N	1	c	34	97	34	7	5	-	-	10	10	2500	1	*
Valentia Obsy.	31.2	-10	ENE	2	b	35	97	34	8	[illegible]	4	4	0	1	-	1	1
Roches Point	31.4	-8	N	2	f	40	97	40	2	-	--	-	10	10	<150	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 6th Hrs. (38)
London (Kew)	51	37	19	-	Tr	1.7
Croydon	51	36	26	-	Tr	1.8
S. Farnborough	53	31	20	-	-	4.1
Boscombe Down	53	37	32	-	Tr	4.4
Thorney Island	53	32	25	-	-	*
Lympne	50	31	22	0.3	0.1	2.1
Manston	48	35	28	0.5	-	0.6
Shoeburyness	54	31	24	Tr	Tr	1.3
Felixstowe	52	31	29	0.2	0.1	0.[illegible]
Gorleston	48	29	22	-	-	0.0
Mildenhall	51	27	20	-	Tr	1.1
Cranwell	51	36	30	-	Tr	0.0
Birmingham	51	39	33	-	Tr	2.5
Upper Heyford	53	39	36	-	0.6	*
Ross-on-Wye	52	35	27	-	-	4.1
Hartland Point	50	40	39	-	-	6.1
Bristol	52	35	28	-	-	4.8
Portland Bill	51	42	*	-	-	*
Plymouth	55	41	30	-	-	7.6
The Lizard	56	44	*	-	-	9.3
Scilly (St. Mary's)	53	43	*	-	-	8.9
Guernsey						
Pembroke	52	41	*	-	-	
Holyhead (Valley)	50	31	30	-	-	*
Chester (Sealand)	50	33	28	-	Tr	3.5
Manchester	54	33	26	-	-	*
Spurn Head	48	39	*	-	-	0.3
Catterick	52	32	24	-	-	2.4
Tynemouth	53	37	33	-	-	*
St. Abbs Head	52	41	*	-	-	*
Leuchars	56	36	29	-	-	6.6
Renfrew (Abbots I.)	57	34	29	-	-	8.1
Eskdalemuir	57	26	19	-	Tr	6.8
Point of Ayre	53	35	*	-	-	7.5
Tiree	50	44	41	-	-	0.0
Stornoway	53	45	43	-	-	3.5
Dalwhinnie	55	29	20	-	-	6.7
Aberdeen †	56	35	25	-	-	4.5
Wick	53	39	35	-	-	*
Sumburgh	49	46	41	Tr	-	1.0
Blacksod Point	51	40	*	-	Tr	*
Malin Head	50	42		-	-	2.3
Aldergrove	53	39	32	-	-	3.4
Birr Castle	53	31	27	-	-	3.2
Valentia Obsy.	53	34	30	Tr	Tr	7.9
Roches Point	53	40	*	Tr	0.2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 6th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 7th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	53	02658	24626	07	02790	24625	5-	02655	20215	57	02765	20226
115	57	02844	53527	57	02844	53527	52	02844	53626	57	25844	53487
203	70	02845	20425	5-	02847	20427	5-	02848	20428	5-	03848	16428
206	03.	01990	22213	54	01961	22303	07	01790	22104	53	01862	00014
210	04	01890	23312	04	01790	00013	03	01790	17203	53	02874	20116
220	57	02845	22317	57	02844	18327				52	02745	18228
230	5-	02856	26226	5-	02958	30328	5-	02866	00026	52	22756	18268
245	04	01890	14211	04	01790	20103	00	05690	22200	04	04790	00015
260	00	05590	23100	00	01790	20113	00	05690	18100	57	02763	18225
278	73	01863	27423	00	02850	28315	5-	02858	00028	5-	05548	00028
279	5-	01861	21211				00	05690	00002	00	43400	00040
285	53	01854	14315	53	01743	12314						
288	03	05690	04327	00	05690	00010	00	08490	00000	00	47390	18200
575	57	02754	00024	57	01852	28114	50	05654	00014	53	05554	00014
301	04	05690	24222	00	08490	28127	00	45209	10149	00	47290	12140
321							00	47390	00000	5-	43318	00058
2[illegible]	5-	05647	28327	5-	02746	28416	50	02744	24104	--	48109	20149
292	03	05690	32126	54	02761	33349	00	05590	00010	--	57109	00059
310												
614	53	05553	06227	54	01672	06213	5-	08448	00028	5-	47228	00048

III	13h. G.M.T. 6th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 7th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	53	01843	32424	53	01742	31303	00	05690	00000	00	05590	00000
334	--	01753	10114	--	02644	00015						
340	53	05643	30224	03	05690	28102	00	47390	00000	00	45290	12140
136	5-	05677	30467	5-	51538	01328	00	05590	07240	04	43390	08141
336				03	01790	04313						
350	03	05690	02325	57	05657	02328	--	48209	06155	50	05553	00023
368	00	05590	08102	07	05590	00013	50	08461	04101	57	08455	00017
379	14	05561	01413	03	05530	02224	00	05590	02300	5-	05638	04128
390	03	05590	32314	5-	51948	02428	00	08490	02220	--	48109	06149
382	03	05690	03314	05	05690	03124	5-	05548	07118	54	02744	09224
438	57	05555	02217	5-	05558	02318	50	01653	02413	14	01752	02313
430	03	05690	32225	53	05664	32215	50	05661	08221			
409	04	05690	31225				04	01600	10403	54	05652	11403

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 7th March
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	cmfz0	bczycz	cir0,cm0x
Croydon	cfcm,z	cb z0 cz	bmx,ofe
Greenwich	cmm0	cbcm0	bcebxde
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	c	of

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.5, Time 7-9 6th. Min. <0.1, Time 0-1 7th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	51	37	19	-	Tr	1.7	*	*
Croydon	51	36	26	-	Tr	1.8	*	*
Greenwich	52	34	22	-	-	2.0	62	96
Westminster	54	37	34	-	-		67	96
Regents Park								
Camden Square	53	35	27	-	-	*	*	98
Kensington	53	35	27	-	Tr		77	95
Hampstead	51	33	28	-	-		*	96

SECRET

Page 1

BRITISH SECTION

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

Monday 8th March 1943.

No. 29691

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

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)	31.4	-24	ENE	3	Z_0	47	65	34	5	-	-	-	0	0	-
	Croydon ...	31.5	-22	E'N	3	Z_0	49	55	33	5	1	-	-	Tr	Tr	2500
	S. Farnborough	31.4	-22	E	3	m	49	65	36	4	-	-	-	0	0	-
	Boscombe Down	31.1	-18	E'S	3	b	48	55	33	8	-	-	-	0	0	-
	Thorney Island	30.9	-18	NE'E	2	b	48	65	33	7	1	-	-	Tr	Tr	2500
	Lympne ...	31.1	-16	NNE	3	b	46	65	37	8	1	-	-	1	1	3000
	Manston ...	31.8	-12	E'N	3	bc	45	65	35	8	5	-	-	4-6	4-6	2000
2	Shoeburyness ...	32.3	-12	NE	4	b-bc	47	75	40	7	1	-	-	2-3	2-3	1800
	Felixstowe ...	32.6	-10	NNE	3	b-bc	45	75	38	7	1	-	-	2-3	2-3	6400
	Gorleston ...	34.2	0	E'N	2	b-bc	45	85	40	7	1	-	-	2-3	2-3	2500
	Mildenhall ...	32.4	-22	E	2	b	48	45	27	9	-	-	-	0	0	-
	Cranwell ...	32.2	-18	S'E	2	b	49	55	33	8	-	-	-	0	0	-
3	Birmingham ...	31.1	-6	SE	2	Z_0	50	65	39	6	-	-	-	0	0	-
	Upper Heyford	31.7	-18	SE'E	2	b	50	55	33	7	-	-	-	0	0	-
4	Ross-on-Wye	31.0	-20	ENE	2	b	49	55	35	7	-	-	-	0	0	-
5	Hartland Point	30.2	-10	E	2	c	44	92	40	7	5	-	-	9	9	1900
	Bristol ...	31.0	-18	ESE	2	b	50	65	38	7	-	-	-	0	0	-
	Portland Bill ...	30.4	-16	E	3	bc	46	85	42	8	5	-	-	4-6	4-6	220
	Plymouth ...	30.4	-14	E	3	b-bc	48	75	39	8	1	-	-	2-3	2-3	2500
	The Lizard ...	29.7	-10	E	4	c	47	75	40	8	5	2	-	7-8	9+	1500
	Scilly (St. Mary's)	29.3	-10	E'N	4	c	51	75	44	7	8	5	-	4-6	9	1500
	Guernsey ...															
6	Pembroke ...	31.4	-8	SE'S	4	c	45	85	40	7	8	-	-	9+	9+	2000
7	Holyhead (Valley)	30.8	-8	W'S	1	Z_0	51	75	41	6	-	-	-	0	0	-
	Chester (Sealand)	31.4	-10	S	2	bc	50	75	44	6	5	-	-	4-6	4-6	3500
8	Manchester ...	31.7	+18	SE	3	Z_0	48	85	41	6	5	-	-	10	10	1500
10	Spurn Head ...	33.0	-12	SE	3	b	44	85	40	7	-	-	-	0	0	-
	Catterick ...	31.0	-24	S	2	c-bc	44	92	43	5	5	-	-	7-8	7-8	1500
	Tynemouth ...	31.1	-8	SW	3	bf	43	92	41	3	-	-	-	0	0	-
11	St. Abbs Head	29.7	-8	-	0	b-bc	48	85	44	7	5	4	-	2-3	2-3	4500
	Leuchars ...	29.2	-14	SW	1	b	53	65	39	8	1	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	28.7	-26	W'S	1	bc	51	65	39	7	7	-	-	4-6	4-6	4000
	Eskdalemuir ...	30.4	-10	SW	2	bc	44	75	36	7	5	3	-	4-6	4-6	2100
	Point of Ayre...	30.6	-10	SSE	3	m	45	92	43	4	5	-	-	10	10	800
13A	Tiree	28.0	-18	S'W	4	bc	49	75	42	8	1	-	4	1	4-6	3000
13B	Stornoway ...	26.0	-20	SSW	6	c	48	92	46	7	5	7	-	9	9+	3000
15	Dalwhinnie ...	28.5	-16	SW	3	bc	48	65	36	8	7	-	-	4-6	4-6	4000
	Aberdeen ...	29.1	-18	SSE	2	Z_0	51	55	37	6	-	-	-	0	0	-
	Wick ...	27.1	-14	S	2	c-bc	49	75	40	9	5	3	-	4-6	7-8	2500
16	Sumburgh ...	26.3	-6	WSW	4	c	47	97	47	8	5	-	-	9+	9+	2500
17	Blacksod Point	27.1	-22	S	3	bc	50	75	42	8	8	-	1	4-6	4-6	4000
18	Malin Head ...	27.8	-18	SSE	3	bc	47	65	36	8	5	-	-	4-6	4-6	2500
	Aldergrove ...	29.6	-18	SE'S	3	Z_0	48	75	40	6	5	-	-	9	9	2500
19	Birr Castle ...	28.8	-12	S	2	c	45	85	41	7	5	2	-	7-8	10	2500
20	Valentia Obsy.	27.7	-22	SSW	3	b	52	75	44	8	1	-	-	Tr	Tr	2500
	Roches Point	29.1	-18	SSE	3	c	48	92	44	7	5	-	-	9+	9+	1500

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

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)	28.3	-14	ENE	3	Z_0	43	75	36	5	-	-	-	0	0	-	1	*
	Croydon ...	29.0	-10	ENE	3	Z_0	41	75	35	6	-	-	-	0	0	-	0	*
	S. Farnborough	29.0	-18	NE'N	3	Z_0	45	65	34	5	-	4	-	0	Tr	-	0	*
	Boscombe Down	27.8	-18	ENE	2	m	45	65	35	4	-	-	-	0	0	-	0	*
	Thorney Island	27.0	-12	NE	3	b	47	65	34	8	-	-	-	0	0	-	0	*
	Lympne ...	28.6	-14	ENE	3	b	39	85	34	8	1	-	-	Tr	Tr	2500	0	§4
	Manston ...	29.2	-14	E'N	3	b	41	75	33	8	5	-	-	Tr	Tr	2000	0	*
2	Shoeburyness ...	29.5	-8	NE	4	bc	40	75	34	7	1	-	-	4-6	4-6	2500	1	*
	Felixstowe ...	29.9	-22	ENE	4	b	41	75	35	7	4	-	-	Tr	Tr	4000	0	2
	Gorleston ...	30.6	-14	E	3	b	42	75	33	8	-	-	-	0	0	-	0	3
	Mildenhall ...	29.4	-14	ESE	3	b	44	65	33	7	-	-	-	0	0	-	0	*
	Cranwell ...	29.2	-16	ESE	2	b	44	75	37	7	-	-	1	0	Tr	-	0	*
3	Birmingham ...	28.1	-12	ESE	2	b	49	55	34	7	-	-	-	0	0	-	1	*
	Upper Heyford	28.7	-10	ENE	2	b	47	75	37	7	-	-	-	0	0	-	0	*
4	Ross-on-Wye	27.6	-14	E'N	1	b	48	45	29	8	-	-	-	0	0	-	0	*
5	Hartland Point	26.6	-20	NE	2	b	45	85	41	7	-	-	-	0	0	-	0	2
	Bristol ...	23.0	-14	ESE	1	Z_0	47	55	33	6	-	-	1	0	Tr	-	1	*
	Portland Bill ...	26.5	-22	E	3	bc	43	85	38	8	5	-	-	4-6	4-6	4000	1	3
	Plymouth ...	27.4	-14	E	3	b	44	65	35	7	-	-	-	0	0	-	0	1
	The Lizard ...	26.6	-12	E	4	bc	45	85	39	8	2	-	-	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	26.5	-12	E'N	4	bc	45	85	39	8	8	-	-	4-6	4-6	1200	0	3
	Guernsey ...																	
6	Pembroke ...	27.4	-20	SE	3	b	45	85	40	8	-	-	-	0	0	-	0	2
7	Holyhead (Valley)	27.0	-22	S'W	1	Z_0	44	92	42	6	-	-	-	0	0	-	0	*
	Chester (Sealand)	27.9	-18	S'W	1	b	46	75	40	6	-	-	-	0	0	-	0	*
8	Manchester ...	28.3	-18	-	0	m	44	85	40	4	-	-	-	0	0	-	0	*
10	Spurn Head ...	30.1	-6	SE	4	b	42	85	38	7	-	-	-	0	0	-	0	4
	Catterick ...	28.3	-22	S	2	m	44	92	41	4	-	-	-	0	0	-	1	*
	Tynemouth ...	27.1	-20	S	4	m	45	85	40	4	-	-	-	0	0	-	0	3
11	St. Abbs Head	25.3	-22	ENE	3	bc	45	92	44	7	5	4	-	4-6	4-6	3500	0	2
	Leuchars ...	25.3	-18	—	0	Z_0	47	75	40	5	-	-	5	0	1	-	0	*
12	Renfrew (Abbots I.)	25.6	-18	SSW	1	c	46	85	41	7	5	-	-	9+	9+	3000	0	*
	Eskdalemuir ...	27.0	-16	SW	2	m	42	85	39	4	5	-	-	10	10	200	0	*
	Point of Ayre...	27.0	-10	SSW	3	Z_0	44	92	42	6	5	3	-	2-3	7-8	800	0	3
13A	Tiree	22.9	-32	S	4	b	45	92	42	7	5	-	-	Tr	Tr	2500	0	3
13B	Stornoway ...	21.6	-12	S	6	c	46	85	41	7	5	3	4	4-6	9	3000	1	4
15	Dalwhinnie ...	25.0	-36	SW	3	b-bc	45	65	35	8	2	-	5	Tr	2-3	4000	0	-
	Aberdeen ...	25.0	-20	S'W	3	Z_0	43	85	39	6	-	-	8	0	Tr	-	0	2
	Wick ...	23.0	-14	SSE	3	bc	45	85	40	8	5	3	9	4-6	4-6	3000	0	*
16	Sumburgh ...	23.2	-18	SSW	3	c	46	92	44	7	5	7	-	7-8	10	2500	1	3
17	Blacksod Point	21.8	-34	S	5	c	46	75	39	8	8	-	-	9	9	2500	0	4
18	Malin Head ...	22.4	-30	SSW	3	bc	47	75	40	8	8	-	-	4-6	4-6	2500	1	3
	Aldergrove ...	25.3	-22	S'E	2	Z_0	44	85	39	6	5	7	9	2-3	7-8	1800	0	*
19	Birr Castle ...	24.3	-24	SSW	3	c	49	75	41	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	23.6	-20	S'E	5	c-bc	49	75	41	8	2	4	-	4-6	7-8	2500	1	3
	Roches Point	25.3	-22	SE	3	Z_0	49	92	47	6	5	-	-	4-6	4-6	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 7th (39)	Weather. 13h.–18h. 7th (40)	Weather. 18h. 7th to 1h. 8th (41)	Weather. 1h.–7h. 8th (42)
1	London (Kew)	ofbfzo	bzo	bbex	bz.bm.x
	Croydon ...	cfcmbcz	bczoy	bmxbm.	bm.bmxcm.
	S. Farnborough	ofmbzobz	bzz.ybzo	bz.zmm.mx	bfxoFecf
	Boscombe Down	bcb	bbybz	bzbm.c	cm.
	Thorney Island	b	by	bm.	bcem.w
	Lympne ...	bxb	b	bm.	bm.bx
	Manston ...	bm.bc	b	b	bbzo
2	Shoeburyness ...	bfxmbc	bc	bcbm.w	bmw
	Felixstowe ...	bcm.b	b	bbm.	bzob
	Gorleston ...	b	b	b	bw
	Mildenhall ...	oF,bvy	bvybyb	bm.	bm.bfbm.x
	Cranwell ...	fecby	by	bbmex	bm.bFx
3	Birmingham ...	fbz	bz	b	bcxm
	Upper Heyford	cm.bcy	bybzoy	bbm.	bm.Fxcm
4	Ross-on-Wye	cm.bcb	by	bbw	bwcm.
5	Hartland Point	bcc	cbcb	b	b
	Bristol ...	bcm.bzb	by	bzbm.bfx	cfxcf
	Portland Bill ...	cbc	bcbc	bcc	c
	Plymouth ...	cm.bc	b	cm.x	cm.x
	The Lizard ...	bcc	bc	bbcc	c
	Scilly (St. Mary's)	bbc	cbc	bcb	bbc
	Guernsey ...				
6	Pembroke ...	m.c	cb	bw	bcwm.
7	Holyhead (Valley)	bFbm.	bzom.	bfgbm.	bbcm.x
	Chester (Sealand)	FofcBm.	bcbzo	zomb	bmx
8	Manchester ...	om.cm.	cm.bz	bmfzo	bm.mx
10	Spurn Head ...	b	b	b	b
	Catterick ...	oF	bm.bcm.	bf	bfoF
	Tynemouth ...	offbff	bm.	bmo	bcm
11	St. Abbs Head	bbc	bcm.	bcm.cm.bcm.	cm.
	Leuchars ...	bm.wbwb	bbzo	bcm.cm	cmcmo
12	Renfrew (Abbots I.)	cmwcm.cbc	zobcc	ccm.bm.cm.	cm.czcz.
	Eskdalemuir ...	ofebc	bcom	om.	ocm.
	Point of Ayre...	fcm	zobcb	beezo	bcb
13A	Tiree	cbcbbc	bccb	bbcc	cir.Rr
13B	Stornoway ...	cpfoc	c	c	cir.erry
15	Dalwhinnie ...	cbc	bc		bco
	Aberdeen ...	cm.bzbz	bzoy	beez.	cz.bz.
	Wick ...	cbc	c	bcc	cbcc
16	Sumburgh ...	c	c	beb.c	c
17	Blacksod Point	bc	c	c	bc
18	Malin Head ...	c	bc	c	r
	Aldergrove ...	cm.	cm.c	om.	cmoir
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	bc	bc	bc	r
	Roches Point	f	c	c	r

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light variable winds becoming west to northwest; mainly fair; slight rain locally; rather cold.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate southwest wind, fresh locally veering west; bright intervals; showers; local hail; rather cold.
13A W. Scotland ... ↓ 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland	Fresh southwest wind strong to gale locally, veering west to northwest and decreasing; bright intervals; showers of rain or hail; local thunder; snow showers later; becoming cold.
16 Orkneys and Shetlands ↓	As 13A - 15.
17 N.W. Ireland ↓ 18 N.E. Ireland ↓ 19 S.E. Ireland 20 S.W. Ireland	As 7 - 12.

GENERAL INFERENCE

A deep depression off southeast Iceland is moving east or east southeast, and a trough of low pressure is moving east across the British Isles. In the north there will be bright intervals with squally showers of rain or hail and local thunder; later snow showers are likely in north Scotland; in the South and Midlands there will be increasing cloud with some slight local rain, but weather will become fair again later.

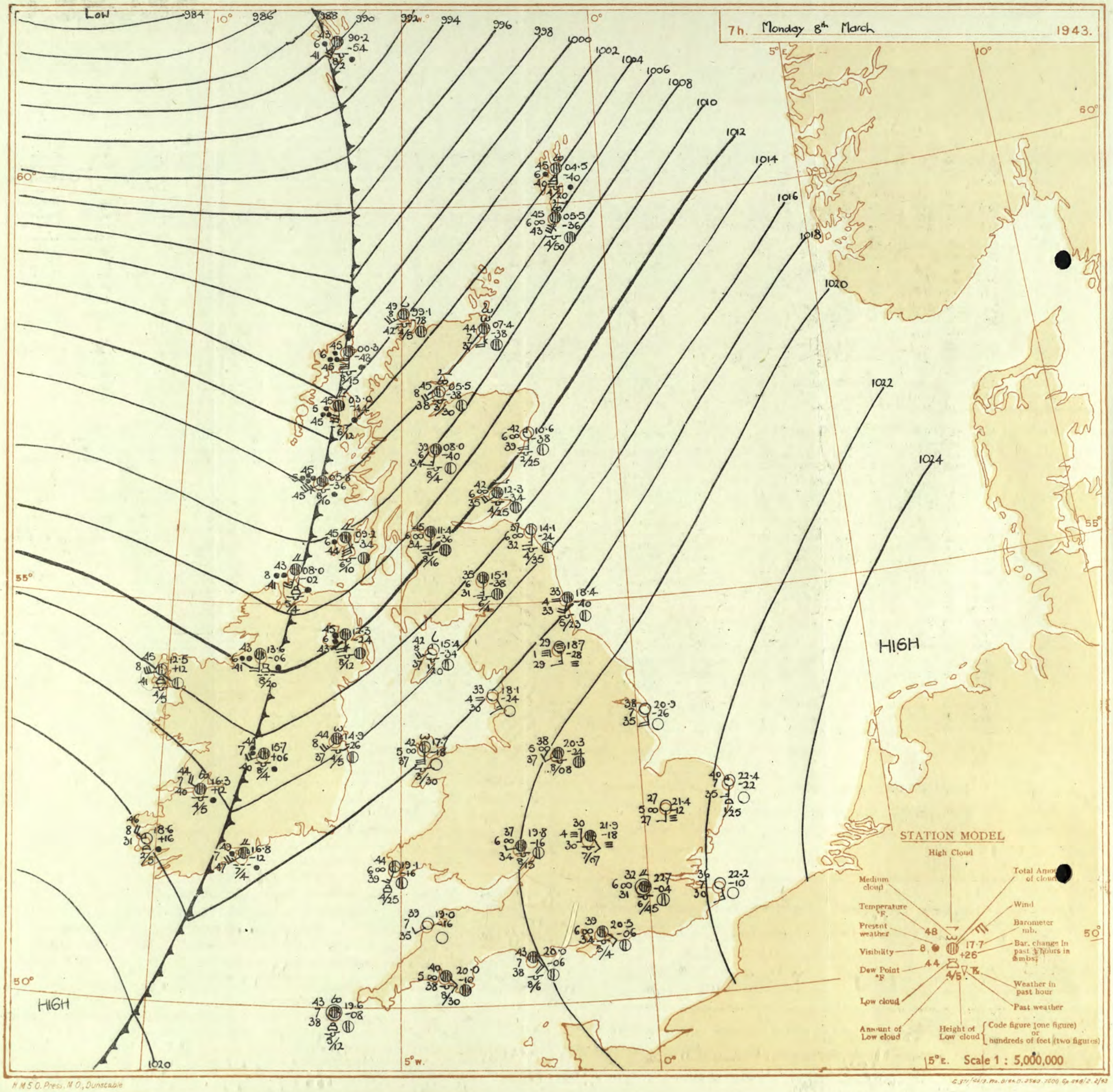
FURTHER OUTLOOK

Fair in the South; unsettled in the north with occasional rain; becoming milder.

↓ Gale warning in operation in districts 13A, 13B, 16, 17, 18 (part of) issued 2300 G.M.T 7th March 1943

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

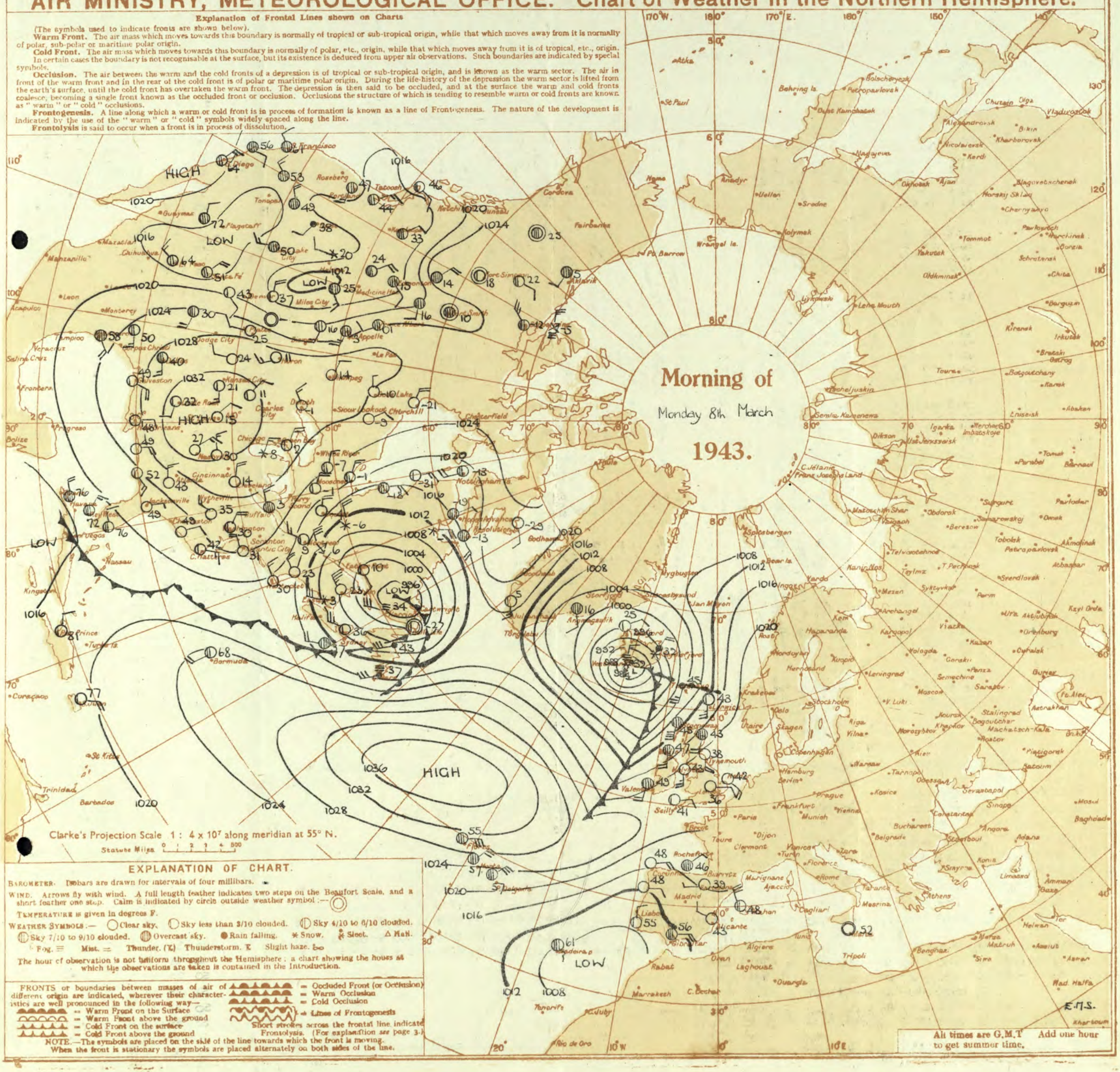
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



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 8th March 1943

No. 29691

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·1	-22	ENE	2	zo	36	85	32	5	-	-	-	0	0	-
	S. Farnborough	226	24·5	-22	-	0	m	33	92	32	4	-	-	-	0	0	-
	Boscombe Down	417	24·8	-18	E'N	2	zo	35	92	32	6	5	-	-	10	10	1500
	Thorney Island	10	23·7	-22	E'N	3	zo	37	85	33	6	-	-	-	0	0	-
	Lympne ...	283	25·3	-18	E	4	zo	37	85	33	5	-	-	-	0	0	-
	Manston ...	154	25·6	-18	SE'S	3	b	41	65	30	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·8	-20	ESE	4	zo	42	75	36	6	-	-	-	0	0	-
	Gorleston ...	5	26·1	-24	SE	4	b	42	85	36	7	-	-	-	0	0	-
	Mildenhall ...	15	25·6	-22	NE	2	zo	29	97	28	6	-	-	-	0	0	-
	Cranwell ...	203	26·2	-20	SE	1	zo	31	97	30	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·5	-8	E'N	1	zo	33	97	31	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·5	-22	ENE	2	b	42	85	38	7	-	-	-	0	0	-
	Bristol ...	209	25·1	-14	-	0	c f+	33	92	31	2	5	-	-	10	10	1100
	Portland Bill ...	32	22·8	-10	E	4	c	42	85	37	7	5	-	-	4-6	10	2500
	Plymouth ...	82	23·3	-18	-	0	zo	37	85	33	5	5	-	-	10	10	2000
	The Lizard ...	240	22·5	-20	E	3	c-bc	41	85	36	8	5	-	-	7-8	7-8	2000
	Scilly (St. Mary's)	163	22·7	-20	E'S	2	b	41	85	36	8	5	-	-	Tr	Tr	1800
	Guernsey ...	175															
6	Pembroke ...	142	23·3	-20	ESE	1	zo	35	92	33	6	-	-	-	0	0	-
7	Holyhead (Valley)	32	22·5	-22	S'W	5	zo	43	85	35	6	-	-	-	0	0	-
	Chester (Sealand)	16	24·1	-18	SE	1	m	36	85	31	4	-	-	-	0	0	-
8	Manchester ...	235	24·3	-18	SSE	3	zo	38	85	33	6	-	-	-	0	0	-
10	Spurn Head ...	29	26·9	-20	SSE	4	b	38	85	35	7	-	-	-	0	0	-
	Catterick ...	175	24·8	-20	SSE	4	b f-	32	97	31	3	-	-	-	0	0	-
	Tynemouth ...	108	24·8	-16	S	4	zo	38	85	34	5	-	-	-	0	0	-
11	St. Abbs Head	280	19·8	-30	S	4	zo	42	97	41	6	5	-	-	4-6	7-8	4000
	Leuchars ...	36	19·1	-38	SW	1	m	40	92	39	4	5	-	-	10	10	1600
12	Renfrew (Abbots I.)	19	19·6	-34	S'W	3	zo	45	85	40	5	5	-	-	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	24·6	-24	S	3	zo	44	92	42	6	5	-	-	9+	9+	1000
13A	Tiree	44	19·2	-44	S	6	c	47	92	44	7	5	-	-	10	10	2500
13B	Stornoway ...	15	11·9	-52	S	8	c	45	97	44	7	5	1	-	7-8	10	3300
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17·1	-42	SSW	4	c	43	75	38	8	-	7	-	0	10	-
	Wick ...	114	15·1	-36	SSW	4	c	43	85	38	8	5	7	-	4-6	10	4000
16	Sumburgh ..	19	13·8	-54	S	5	c	45	97	45	7	5	7	6	4-6	9+	2000
17	Blacksod Point	18	14·0	-46	S'W	7	c-bc	48	85	43	8	6	-	-	7-8	7-8	2500
18	Malin Head ...	84	14·4	-36	S	5	c	47	75	39	8	8	-	-	10	10	1500
	Aldergrove ...	268	19·0	-34	S	4	zo	44	85	40	6	5	-	-	10	10	1800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·4	-20	S'W	4	c	49	85	44	8	2	-	-	9	9	2500
	Roches Point	22	21·2	-22	S'W	5	c	49	92	47	8	5	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 8th March

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)	21·4	-6	E	1	b-bo f+	31	92	30	2	5	-	-	2-3	2-3	2500	1	*
	Croydon ...	22·7	-4	-	0	zo	32	92	31	6	5	2	-	9	9+	4500	3	*
	S. Farnborough	21·4	-6	-	0	c f-	27	97	26	3	5	-	-	9+	9+	800	3	*
	Boscombe Down	21·4	-12	E	2	zo	34	92	33	6	5	-	-	9+	9+	1800	0	*
	Thorney Island	20·5	-6	E'S	1	zo	39	85	34	6	5	-	-	7-8	7-8	1500	0	*
	Lympne ...	21·9	-18	SE	2	b	36	85	30	7	1	-	-	Tr	Tr	4000	0	*
	Manston ...	22·2	-10	SSE	3	b	36	75	30	7	-	-	-	0	0	-	1	*
2	Shoeburyness ...	22·0	-16	SE	3	zo	37	85	33	5	-	-	-	0	0	-	1	*
	Felixstowe ...	22·0	-10	SSE	4	b	40	85	33	7	-	-	1	0	Tr	-	0	4
	Gorleston ...	22·4	-22	S	3	b	40	85	35	7	1	-	-	Tr	Tr	2500	0	3
	Mildenhall ...	21·4	-12	S	2	zo	27	97	27	5	-	-	-	0	0	-	0	*
	Cranwell ...	20·8	-22	SSE	3	F	30	97	30	1	-	-	-	10	10	4150	3	*
3	Birmingham ...	19·9	-28	SW	2	m	35	92	33	4	5	-	-	10	10	800	1	*
	Upper Heyford	21·9	-18	SE	1	m/f	30	97	30	4	5	-	-	9+	9+	700	0	*
4	Ross-on-Wye	19·8	-16	SW'W	1	zo	37	85	34	6	5	-	-	10	10	1500	0	*
5	Hartland Point	19·0	-16	SW	2	b	39	65	25	7	-	-	-	0	0	-	0	2
	Bristol ...	21·6	-10	SSE	1	m/f	36	97	35	4	5	-	-	9+	9+	2500	1	*
	Portland Bill ...	20·0	-6	SE	4	c	43	85	38	7	5	-	-	10	10	4000	1	4
	Plymouth ...	20·0	-10	ESE	2	zo	40	92	38	5	5	-	-	10	10	3000	0	1
	The Lizard ...	19·8	-8				42	85	37	8	8	-	-	7-8		1500	0	3
	Scilly (St. Mary's)	19·6	-8	-	0	c	43	85	38	7	8	7	-	7-8	9+	1200	0	3
	Guernsey ...																	
6	Pembroke ...	19·1	-16	SSW	3	zo	44	85	39	6	2	-	-	4-6	4-6	2500	0	2
7	Holyhead (Valley)	17·7	-18	S	6	zo	42	85	37	5	5	3	-	2-3	4-6	3000	0	4
	Chester (Sealand)	18·9	-20	E	1	b	31	85	29	5	-	-	-	0	0	-	3	*
8	Manchester ...	19·5	-22	S'E	4	zo	35	85	32	5	5	-	-	9+	9+	4000	0	*
10	Spurn Head ...	20·9	-26	S'E	4	b	38	92	35	7	-	-	-	0	0	-	0	3
	Catterick ...	18·7	-28	SSE	3	F-	29	97	29	1	-	-	-	10	10	4150	1	*
	Tynemouth ...	18·4	-40	SSW	4	m	33	92	33	4	5	-	-	7-8	7-8	2300	0	3
11	St. Abbs Head	14·1	-24	S	3	zo	37	85	32	6	5	-	-	4-6	4-6	3500	0	3
	Leuchars ...	12·3	-34	SW	4	zo	42	75	35	6	5	-	7	4-6	9+	2500	0	*
12	Renfrew (Abbots I.)	11·4	-36	S	3	zo	45	65	34	6	5	-	-	10	10	1600	0	*
	Eskdalemuir ...	15·1	-38	S'E	3	c	35	85	31	6	5	-	-	9	10	1200	0	*
	Point of Ayre ...	15·4	-34	SW	5	b	42	85	37	8	5	4	-	Tr	1	2000	0	3
13A	Tiree	05·8	-36	SW	7	RR	45	97	45	5	5	-	-	10	10	1000	1	5
13B	Stornoway ...	00·3	-48	S	9	rr	45	97	45	6	5	-	-	10	10	1500	1	6
15	Dalwhinnie ...	08·0	-40	SSW	3	o	39	85	34	6	5	-	-	10	10	1500	0	*
	Aberdeen † ...	10·6	-38	S	4	zo	42	85	39	6	5	-	-	1	1	2500	0	2
	Wick ...	07·4	-38	S	4	c	44	75	37	7	-	3	9	0	9	-	0	*
16	Sumburgh ..	05·5	-36	S'W	6	zo	45	92	43	6	5	7	7	4-6	10	5000	1	3
17	Blacksod Point	12·5	+12	WSW	6	bc	45	85	41	8	8	*	-	4-6	4-6	2500	1	5
18	Malin Head ...	08·0	-2	SSW	5	ro ro	43	92	41	8	8	2	-	7-8	10	1500	1	4
	Aldergrove ...	12·3	-24	S	4	ir	45	85	43	6	5	-	-	10	10	1200	1	*
19	Birr Castle ...	15·7	+6	WSW	4	ir	44	85	40	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	18·6	+16	WNW	5	b	46	55	31	8	1	-	-	1	1	2500	1	4
	Roches Point	16·8	-12	SW	5	ir	49	92	47	7	6	2	-	9+	9+	1500	1	4

PAST 24 HOURS.

District	Stations	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 7h–7h Hrs. (38)
1	London (Kew)	49	31	14	-	Tr	5·3
	Croydon ...	50	29	21	-	-	6·3
	S. Farnborough	50	25	14	-	-	5·2
	Boscombe Down	51	32	27	-	-	8·7
	Thorney Island	53	35	26	-	-	*
	Lympne ...	46	35	31	-	-	9·6
	Manston ...	45	35	33	-	-	9·8
2	Shoeburyness ...	47	37	31	Tr	Tr	7·0
	Felixstowe ...	46	39	32	-	-	9·5
	Gorleston ...	45	39	33	-	-	9·8
	Mildenhall ...	53	24	15	-	Tr	6·7
	Cranwell ...	50	29	18	-	-	7·2
3	Birmingham ...	51	32	22	-	-	6·4
	Upper Heyford	52	28	23	-	-	*
4	Ross-on-Wye	52	34	23	-	-	6·8
5	Hartland Point	48	35	32	-	-	6·3
	Bristol ...	53	32	25	-	-	8·0
	Portland Bill ...	50	39	*	-	-	*
	Plymouth ...	49	35	22	-	-	6·1
	The Lizard ...	49	40	*	-	-	4·6
	Scilly (St. Mary's)	53	40	*	-	-	7·8
	Guernsey ...						
6	Pembroke ...	46	38	*	-	Tr	2·7
7	Holyhead (Valley)	52	36	29	Tr	-	*
	Chester (Sealand)	50	31	26	-	-	8·1
8	Manchester ...	49	34	26	-	-	*
10	Spurn Head ...	46	37	*	-	-	9·7
	Catterick ...	46	29	24	-	-	0·6
	Tynemouth ...	47	33	30	-	-	*
11	St. Abbs Head	52	36	*	-	-	*
	Leuchars ...	55	38	30	-	-	7·8
12	Renfrew (Abbots I.)	52	41	36	-	-	5·4
	Eskdalemuir ...	47	35	33	Tr	-	2·4
	Point of Ayre ...	47	41	*	-	-	1·0
13A	Tiree	49	45	41	-	1	4·0
13B	Stornoway ...	50	43	43	-	0·3	0·3
15	Dalwhinnie ...	50	35	32	-	-	7·6
	Aberdeen † ...	51	40	32	-	-	8·7
	Wick ...	53	43	37	-	-	*
16	Sumburgh ..	48	44	39	Tr	-	0·0
17	Blacksod Point	51	42	*	-	4	
18	Malin Head ...	50	42		-	0·3	4·4
	Aldergrove ...	52	40	40	-	Tr	3·5
19	Birr Castle ...	52	43	41	-	0·2	1·2
20	Valentia Obsy.	53	46	40	Tr	1	8·0
	Roches Point	50	47	*	Tr	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 7th March: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th March: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	74	01863	20414	52	22655	00066	57	01663	17414	57	02673	49665
115	51	02854	53428				54	01863	---24	54	02854	20525
203	5-	03848	16428	5-	03848	16328				5-	61848	49628
206	10	02961	22215	00	01890	14111	07	01790	22313	57	01863	20414
210	00	01890	20314	07	01890	00003	51	02662	18128	5-	02654	14414
219	83	02865	18427	8-	02759	16428	5-	02756	17626			
230	5-	02857	17227	5-	02765	00025	5-	02786	00026	62	61645	16368
245	50	01890	14101	04	01790	17101	00	05690	20303	50	05544	31514
260	00	00790	20200	04	08490	20211	54	05663	20227	50	05664	53414
278	5-	02744	14226	5-	17744	12327	5-	05645	47425	5-	02757	49427
279	5-	08438	10128	5-	08438	00028	--	46109	10249	50	05643	18143
285										50	00752	18302
288	50	05651	18441	00	17690	16100	00	05690	17100	50	05632	17400
575	70	01754	16114	54	01753	18114	52	05645	16328	9-	62658	16468
301	10	05562	14442	00	05590	14200	00	08490	15300	00	08490	13300
321				00	05690	14200	00	05590	14200	--	48109	16249
2.)	50	01733	16323	40	01762	16302	40	01751	18500	00	05690	20400
292	5-	05538	16258	00	05690	14200	00	05590	14200	00	05590	14200
310										--	46109	20349
614	00	01753	07703	07	05690	14100	00	05590	12200	--	45008	24149

III	13h. G.M.T. 7th March: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th March: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	00	05690	18300	00	05690	17100	00	05690	16200	50	05555	16405
334												
340	5-	05538	14248	00	05690	12100	00	08490	14300	51	05544	16316
136	10	01841	12141	00	00790	10200	00	05690	09200	00	05690	16200
336										50	05633	12313
350	00	00790	08100	04	01790	06202	00	05690	00000	5-	41445	14245
368				00	05690	00000	00	08490	12200			
379				00	00690	08300	00	05590	00000			
390	00	05690	04210	00	05690	08200	00	08490	08200	00	08490	12200
382	00	00890	10100	00	00790	07100	00	05590	07100	5-	43347	00047
438	00	00890	10100	00	00790	04400	00	00790	06500	03	05690	12402
430				00	00790	07400	00	05690	09300	5-	05645	00017
409	5-	01754	12414	50	01852	00002	00	00790	07300	5-	05753	29113

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 8th March
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 ...	ofbfzo	bzo	bzbmox	
Croydon ...	cfcmbzz	bczoy	bmo,xcmo	
Greenwich ...	obfzo	by	bxcbmo	Kew 24 hours ended 7h.
Camden Square	o	c	*	Max. Time
Kensington ...	ofbc	bc	*	1·1 11½ 7th
Hampstead ...	bc	bc	bcm	Min. Time 0·2 0·1h 8th

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 % Today
Kew ...	49	31	14	-	Tr	5·3	*	*
Croydon ...	50	29	21	-	-	6·3	*	*
Greenwich ...	50	29	16	-	Tr	6·4	54	61
Westminster ...	51	35	29	-	-		59	77
Regents Park ...	50	31	23	-	-		51	86
Camden Square	53	31	25	-	-	*	*	83
Kensington ...	51	30	22	-	-		75	75
Hampstead ...	49	32	25	-	-		*	85

Page 1 BRITISH SECTION

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

SECRET

Tuesday 9th March 1943.

No 29692

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

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)	18·1	−14	SW	3	zo	45	55	31	6	2	–	–	7-8	7·8	2500
	Croydon	19·4	−14	SSW	3	c-bc	49	45	31	7	4	–	–	7·8	7·8	2500
	S. Farnborough	18·5	−16	SW	3	zo	48	45	30	6	7	–	–	4-6	4-6	2500
	Boscombe Down	19·4	−10	SSW	3	c-bc	47	65	35	7	5	–	–	7·8	7·8	2000
	Thorney Island	19·2	−8	S	3	b	47	55	36	7	2	–	–	1	1	2500
	Lympne	19·5	−16	SSW	2	bjp	45	65	33	7	1	–	–	1	1	4000
	Manston	19·4	−18	SW	3	jpb	46	55	32	7	1	–	–	1	1	3000
2	Shoeburyness	19·3	−20	SSW	2	zo	48	65	35	7	–	–	–	0	0	–
	Felixstowe	19·3	−14	S	4	b	48	65	37	7	1	–	–	1	1	2500
	Gorleston	17·8	−28	SSE	4	b-bc	43	75	37	7	+	1	–	2-3	2-3	2000
	Mildenhall	17·6	−22	WSW	4	zo	46	55	32	6	5	–	–	4-6	4-6	3500
	Cranwell	16·1	+26	SW'S	5	zo	45	65	33	6	5	–	–	Tr	Tr	2000
3	Birmingham	17·0	−16	SSW	4	b-bc	45	65	34	7	5	–	–	2-3	2-3	4000
	Upper Heyford	18·6	−18	SW'S	3	c-bc	44	65	31	7	5	–	–	7·8	7·8	2200
4	Ross-on-Wye	17·8	−8	SW	3	zo	46	55	32	6	5	–	–	9	9	3000
5	Hartland Point	18·0	−4	WSW	3	c	44	75	36	7	5	–	–	9+	9+	1700
	Bristol	19·0	−16	SW	3	c	46	75	38	7	5	–	–	9	9	2500
	Portland Bill	19·4	−2	SW	4	c-bc	45	85	40	8	2	–	–	7·8	7·8	4000
	Plymouth	19·7	−2	SSW	2	b	49	65	39	7	1	–	–	1	1	3000
	The Lizard	19·0	0	SSW	3	c	47	75	40	7	5	–	–	9	9	1500
	Scilly (St. Mary's)	19·9	+10	SW	2	cjp	46	75	39	7	5	2	–	7·8	10	1500
	Guernsey															
6	Pembroke	18·1	+4	N'W	4	c/pr	45	92	43	7	8	–	–	9+	9+	2500
7	Holyhead (Valley)	15·8	−2	N'S	4	c	48	65	36	8	5	7	–	7·8	9	3000
	Chester (Sealand)	16·0	−10	N	1	zo	46	75	39	6	5	2	–	7·8	10	1500
8	Manchester	16·2	−10	SSW	3	zo	43	75	35	5	5	–	–	10	10	2000
10	Spurn Head	16·4	−28	SW'S	4	zo	44	65	33	6	5	–	–	7·8	7·8	2500
	Catterick	14·4	−20	S	3	rf	41	85	36	3	5	–	–	10	10	1000
	Tynemouth	12·8	−20	SSW	4	zo	47	65	32	4	2	–	–	4-6	4-6	2200
11	St. Abbs Head	09·2	−16	WSW	4	c/pr	43	92	40	7	5	7	–	7·8	9+	3300
	Leuchars	07·6	−2	SW	5	iro	46	85	39	6	8	2	–	4-6	9+	2000
12	Renfrew (Abbots I.)	09·4	−4	WSW	5	bc/pr	47	65	37	8	8	–	–	4-6	4-6	1800
	Eskdalemuir	10·6	−8	WSW	4	pr/bc	43	75	35	8	5	7	–	4-6	4-6	2500
	Point of Ayre	13·6	+2	W'N	5	bc	50	65	41	8	4	–	–	4·6	4-6	2000
13A	Tiree	07·7	+16	WSW	5	c-bc/pr	43	65	33	8	9	6	–	7·8	7·8	2000
13B	Stornoway	02·1	+28	SW	6	phr	38	92	36	6	9	–	–	10	10	1000
15	Dalwhinnie	06·0	−2	SW	4	phr	41	75	33	8	5	–	–	9+	9+	1500
	Aberdeen	05·6	−12	WSW	4	c	47	75	39	8	5	7	–	Tr	9+	2500
	Wick	01·6	+2	S'W	5	c-bc	44	75	37	8	8	7	–	7·8	7·8	4000
16	Sumburgh	98·5	−22	WSW	7	roro	41	97	41	6	5	2	–	7·8	10	700
17	Blacksod Point	16·3	+14	W	6	bc	45	85	41	8	9	–	–	4-6	4-6	2500
18	Malin Head	10·6	+14	W'S	6	bc/phr	44	85	40	8	9	–	–	4-6	4-6	2500
	Aldergrove	13·4	+2	SW'W	4	bc	45	65	36	9	8	–	–	4-6	4-6	2000
19	Birr Castle	16·9	+8	W'N	4	bc	47	65	36	8	4	–	–	4-6	4·6	1500
20	Valentia Obsy.	20·9	+16	NNW	5	bc	47	55	33	8	8	–	–	4-6	4-6	2500
	Roches Point	19·1	+14	NNW	5	bc	46	85	42	8	8	–	–	4-6	4-6	2500

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

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)	18·3	+4	WSW	2	zo	44	55	31	5	5	–	–	1	1	4000	1	*
Croydon	19·1	+2	W'S	2	zo	43	65	32	5	5	–	–	4-6	4-6	4000	0	*
S. Farnborough	18·5	+4	W'S	1	zo	44	65	32	6	4	–	–	2-3	2-3	4000	0	*
Boscombe Down	19·1	–	W'S	2	c	44	75	34	7	5	–	–	10	10	3500	0	*
Thorney Island	19·1	+2	SW	2	b	43	65	32	7	–	–	–	0	0	–	0	*
Lympne	19·2	+6	WSW	2	b	40	85	37	7	5	–	–	Tr	Tr	7200	0	§
Manston	18·5	+6	W'S	2	b-bc	43	65	32	7	–	3	–	0	2-3	–	0	*
Shoeburyness	18·7	+4	W	2	zo	45	65	32	5	–	–	–	0	0	–	1	*
Felixstowe	17·5	+4	W'S	3	zo	45	75	36	6	–	–	–	0	0	–	0	3
Gorleston	17·6	+14	W'N	2	zo	44	65	33	6	–	–	–	0	0	–	0	3
Mildenhall	17·1	+2	SW	2	zo	43	65	32	6	–	7	–	0	9+	–	0	*
Cranwell	16·6	+12	W	4	zo	44	75	37	6	5	–	–	9+	9+	5000	0	*
Birmingham	17·8	+4	W	3	zo	42	75	34	6	5	–	–	7-8	7-8	5700	1	*
Upper Heyford	17·6	+2	WSW	3	zo	45	75	36	6	5	–	–	10	10	4000	0	*
Ross-on-Wye	18·1	0	WSW	2	c	43	75	36	7	5	–	–	9+	9+	1000	0	*
Hartland Point	18·9	+10	WNW	3	c-bc	45	85	41	8	5	4	–	4-6	7-8	2000	0	3
Bristol	19·2	+6	W	3	zo	44	85	39	6	5	–	–	9	9	4000	1	*
Portland Bill	18·9	−4	W	3	c	47	85	43	8	5	2	–	7-8	10	2500	1	3
Plymouth	19·6	0	NW'W	3	zo	46	85	41	6	5	7	–	7-8	9+	4500	0	2
The Lizard	19·1	+4	NW	3	c-bc	45	92	43	8	2	5	–	7-8	7-8	1400	0	2
Scilly (St. Mary's)	20·6	+6	N'W	4	bc	47	65	36	8	8	–	–	4-6	4-6	1800	0	3
Guernsey																	
Pembroke	19·3	+2	NW	4	c-bc	47	75	40	8	8	–	–	7-8	7-8	2500	0	
Holyhead (Valley)	17·4	+10	WNW	4	b	45	55	33	8	4	–	–	1	1	3500	0	3
Chester (Sealand)	17·0	+14	WNW	2	bc	46	65	36	7	8	4	8	4-6	4-6	2500	0	*
Manchester	16·7	+10	WSW	3	zo	43	75	35	6	2	4	–	2-3	2-3	2500	1	*
Spurn Head	13·2	0	W	5	zo	45	75	36	5	5	4	–	4-6	7-8	2500	0	4
Catterick	14·9	+14	WSW	2	bc	44	65	35	8	4	–	–	4-6	4-6	2000	1	*
Tynemouth	13·2	+6	W	4	zo	45	65	32	6	2	–	–	7-8	7-8	2500	0	3
St. Abbs Head	10·5	+14	W	5	bc	41	75	35	7	4	–	–	4-6	4-6	3500	0	4
Leuchars	10·6	+32	WSW	4	b-bc	41	65	31	8	3	6	–	2-3	2-3	3000	0	*
Renfrew (Abbots I.)	12·7	+26	W	4	b-bc/pr	39	85	34	7	8	7	3	2-3	2-3	2000	1	*
Eskdalemuir	13·2	+18	W	4	bc/rs	37	85	32	8	4	7	–	4-6	4-6	2300	1	*
Point of Ayre	15·3	+16	NW'W	6	b	44	65	34	8	4	–	–	1	1	2500	0	4
Tiree	11·4	+30	W	5	b-bc	43	65	31	8	2	–	–	2-3	2-3	2500	0	5
Stornoway	04·1	+16	WSW	7	c-bc/pr	39	97	39	6	3	–	–	7-8	7-8	2500	1	5
Dalwhinnie	09·0	+18	WSW	3	bc	32	92	29	7	5	–	–	4-6	4-6	2500	1	*
Aberdeen	07·8	+22	WSW	·	b	42	55	25	8	7	–	–	1	1	2500	0	3
Wick	04·2	+12	SW'W	4	bc/pr	36	85	31	9	8	7	–	4-6	4-6	2000	1	*
Sumburgh	99·4	+28	SW	8	c-bc	43	97	42	8	8	6	–	4-6	7-8	2000	1	4
Blacksod Point	18·7	+18	WNW	6	c-bc/pr	44	75	36	8	9	–	–	7-8	7-8	2500	1	5
Malin Head	14·0	+26	W	5	b-bc	42	75	34	8	9	–	–	2-3	2-3	2500	1	4
Aldergrove	16·2	+22	W	4	bc	42	75	33	9	8	–	–	4-6	4-6	2500	1	*
Birr Castle	19·3	+16	NW	2	b-bc	43	65	32	8	–	4	–	0	2-3	–	1	*
Valentia Obsy.	23·0	+18	NW'N	5	pr	44	75	36	8	8	–	–	Tr	9	2500	1	5
Roches Point	21·6	+22	NNW	4	c-bc/pr	45	85	41	8	3	–	–	7-8	7-8	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 8th (39)	13h.–18h. 8th (40)	18h. 8th to 1h. 9th (41)	1h.–7h. 9th (42)
London (Kew)	cfbczoy	cbczoby	bbcyczo	cbcbmox
Croydon	cmobcfbczob	bcybzo	czcm	cmbc
S. Farnborough	c3mbczoy	bczocybzo	bbcczom	cbcbm
Boscombe Down	cmobcc	cbyc	ccidobc	bobbcbx
Thorney Island	bc	bcb	bcom	cmoc
Lympne	bxmocb	b	bbccmo	cmo
Manston	bzobcy	bcy	bbc	cmo
Shoeburyness	bmowb	bb		bcmx
Felixstowe	b	bcmobmo	bcmcmo	bczobmo
Gorleston	bc	cbcbzo	bccx	bzx
Mildenhall	bzobbcy	bycbczo	czcmbmo	bmowxbmx
Cranwell	cmobzo	bczocz	czbmow	bmofox
Birmingham	cmb	bccirobc	crobc	bcmx
Upper Heyford	cmxcmo	czo	cmbcmo	bcmbmx
Ross-on-Wye	czobczo	czo	ccbc	bcbx
Hartland Point	bbcc	ciro	cprcbc	bbc
Bristol	cmozoc	cbczomo	cbcbmox	bmox
Portland Bill	c	bcc	cc	cbc
Plymouth	cmoc	bbccmo	cmobciro	cbcbmox
The Lizard	c	cbcc	bcc	cbc
Scilly (St. Mary's)	cbcc	cidoc	bc	cb
Guernsey				
Pembroke	bcbcpro	crobcmo	cbb	bbc
Holyhead (Valley)	bccirolmo	cbcb	bybc	bcw
Chester (Sealand)	bcmozox	czobc	bczomob	bccb
Manchester	bmocco	cirozoc	bcmo	bcmo..
Spurn Head	cmo	cm	bcmo	bmo
Catterick	cfe	bc	bcprob	b
Tynemouth	cbcm	bcm	bcbmo	bmo
St. Abbs Head	bcmoproc	bcmoprbc	bcb	b
Leuchars	cmocromo	cpromc	bcb	bx
Renfrew (Abbots I.)	czororopro	bcprobc	bbc	bcbbc
Eskdalemuir	cmororbc	bccprsbc	bcbmo	bbccx
Point of Ayre	roroc	bcb	b	bbcc
Tiree	crcprc	cphbc	bcb	bccprobcc
Stornoway	crrphr	cphpro	cphbcpr	bcbbc
Dalwhinnie	oprsphc	oprsbc	*	bccprobc
Aberdeen	bzoc	cbcjpyby	byb	bbczo
Wick	ciroc	bcprobc	bc	bcprobc
Sumburgh	cmororo	cpro Bccll	cprsb	bxbcmox
Blacksod Point	bc	pr	bc	bc
Malin Head	pr	pr	pr	pr
Aldergrove	cbcphrbc	bcprshbc	bcb	bbcprobc
Birr Castle	r	pr	*	c
Valentia Obsy.	pr	pr	pr	pr
Roches Point	r	pr	bc	bc

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light north wind backing northwest to west moderate; fine at first; slight rain later; rather cold.
5 S.W. England, 6 South Wales	Light northwest wind backing west moderate; mainly fair; rather cold.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Moderate west wind fresh locally; cloudy; occasional rain; mild.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Fresh southwest wind strong to gale on coasts veering west, and decreasing; rain at first; bright intervals and showers of rain or hail later; rather cold.
16 Orkneys and Shetlands ✢	As 13A - 15.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light or moderate northwest to west wind; cloudy; local rain; mild.

GENERAL INFERENCE

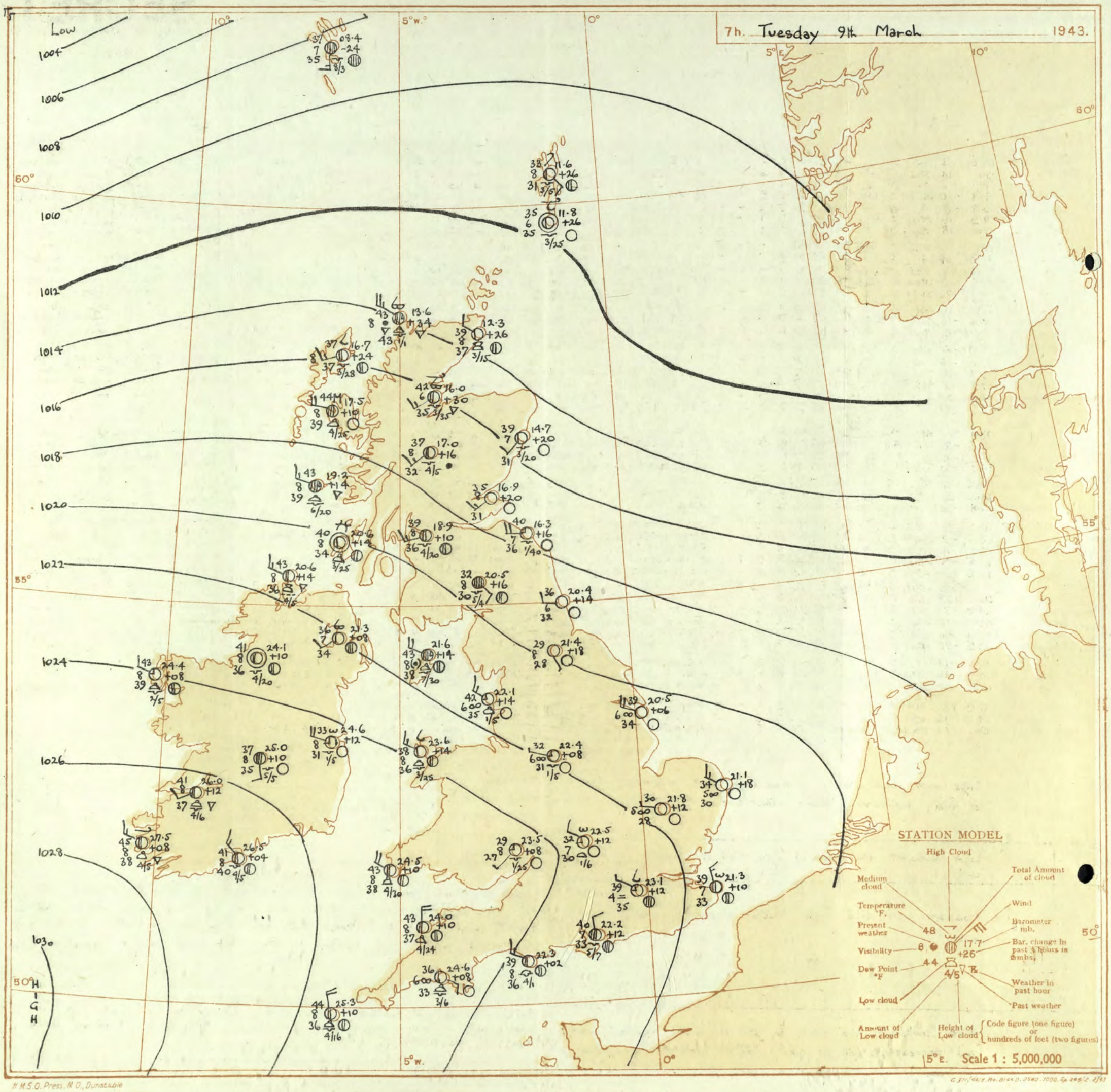
A deep depression over Iceland is moving east and associated fronts will move east-Southeast over the British Isles. In the North there will be rain at first followed by bright intervals and showers of rain or hail. In the South and Midlands weather will be fine at first but slight rain is expected later.

FURTHER OUTLOOK

Bright intervals and showers in the North. Cloudy in the South with local rain. ✢ Gale warning in operation in district 16 time of issue 0900 9th March 1943.

Forecasts issued at 10·30

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



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

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

Explanation of Frontal Lines shown on Charts

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

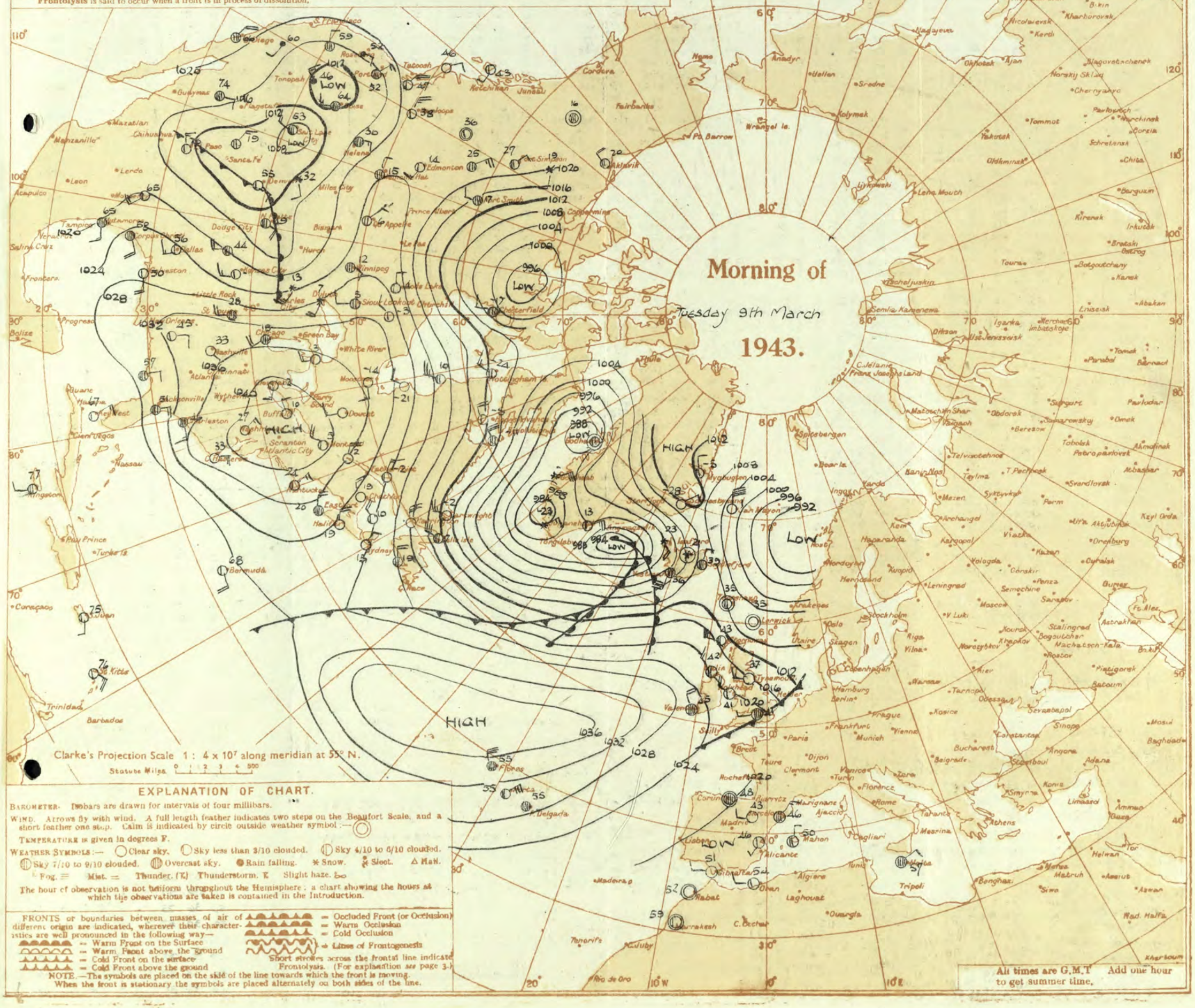
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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 9 th March 1943

No. 29692

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

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	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·3	+8	W'S	1	m	41	85	36	4	5	-	-	9+	9+	3700
	S. Farnborough	226	21·3	+10	W	1	z	41	85	36	6	5	7	-	2-3	10	3000
	Boscombe Down	417	21·8	+10	NW'N	2	bc	40	92	38	7	5	-	-	4-6	4-6	4000
	Thorney Island	10	20·9	+6	W'N	1	z	42	85	37	6	5	-	-	10	10	6100
	Lympne ...	283	20·7	+6	SW	1	z	36	92	34	6	5	-	-	10	10	2500
	Manston ...	154	20·0	+4	NW'W	1	z	38	85	33	6	5	-	-	10	10	5500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·5	+6	W'N	2	z	43	85	37	6	5	-	-	10	10	4700
	Gorleston ...	5	18·6	+2	WNW	2	z	42	75	35	6	5	-	-	10	10	1500
	Mildenhall ...	15	19·8	+8	W	3	z	40	85	36	6	5	-	-	2-3	2-3	5700
	Cranwell ...	203	19·9	+10	W	2	z	35	85	32	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·0	+14	WNW	1	z	36	92	33	6	-	3	-	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·4	+10	N	4	b	44	75	37	8	1	-	-	Tr	Tr	4000
	Bristol ...	209	22·6	+14	W	1	z	38	92	35	6	5	-	-	1	1	4000
	Portland Bill ...	32	21·5	+12	NW	3	c	45	85	40	7	5	-	-	9	9	2500
	Plymouth ...	82	23·4	+14	NNW	2	c/r	42	85	38	7	5	7	-	9	10	5000
	The Lizard ...	240	23·7	+12	NW	3	c	42	85	37	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	23·8	+4	N	4	b-bc	45	75	37	8	2	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	23·4	+10	NW'N	4	b	43	75	36	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	22·0	+14	WNW	4	b-bc	41	75	35	8	5	-	-	2-3	2-3	3000
	Chester (Sealand)	16	20·8	+14	NW	2	b-bc	40	75	33	7	5	-	-	2-3	2-3	2500
8	Manchester ...	235	20·7	+14	SW'W	2	z	33	92	31	6	-	-	-	0	0	-
10	Spurn Head ...	29	18·9	+10	W	4	z	40	75	32	6	7	-	-	2-3	2-3	2500
	Catterick ...	175	18·9	+8	SW	2	b	35	85	30	7	-	-	-	0	0	-
	Tynemouth ...	108	17·8	+6	W	3	b	37	75	30	7	-	-	-	0	0	-
11	St. Abbs Head	280	13·9	+10	W	4	b	39	75	32	7	5	-	-	Tr	Tr	4000
	Leuchars ...	36	14·3	+12	SSW	3	b	37	75	29	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	17·1	+14	SW	2	bc	40	75	33	7	5	-	-	4-6	4-6	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	19·4	+10	NW	5	b	41	85	37	8	*	*	*	0	0	- *
13A	Tiree	44	16·3	+14	W'N	4	b	42	85	39	8	5	-	-	Tr	Tr	2500
13B	Stornoway ...	15	11·8	+12	W	6	bc pr	43	92	41	7	3	-	-	4-6	4-6	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	11·9	+16	WSW	3	b	39	65	29	9	-	-	-	0	0	-
	Wick ...	114	07·3	+18	WSW	5	bc	41	85	36	8	8	-	-	4-6	4-6	2000
16	Sumburgh ..	19	05·5	+34	-	0	b	35	97	34	8	-	-	-	0	0	-
17	Blacksod Point	18	23·0	+12	WNW	4	b-bc	43	75	36	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	84	18·4	+14	NW	3	bc pr	42	85	38	8	9	-	-	4-6	4-6	2500
	Aldergrove ...	268	20·7	+18	SW'S	2	b	37	92	34	8	5	-	-	Tr	Tr	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·3	+12	N'W	4	c	45	75	38	8	8	-	-	10	10	2500
	Roches Point	22	25·5	+10	NW	4	b-bc	42	92	40	8	3	-	-	2-3	2-3	2500

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

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	+10	WNW	1	z	37	85	32	5	5	-	-	2-3	2-3	2500	1	*
	Croydon ...	23·1	+12	NW	1	m	39	85	35	4	-	4	-	0	1	-	0	*
	S. Farnborough	23·1	+14	WNW	1	z	33	85	30	6	-	7	-	0	Tr	-	0	*
	Boscombe Down	23·7	+10	NNW	1	b	32	92	30	7	5	-	-	1	1	4000	0	*
	Thorney Island	22·2	+12	N	2	c-bc	40	75	33	7	5	-	-	7-8	7-8	5700	0	*
	Lympne ...	21·7	+10	N'W	2	z	37	85	34	5	5	-	-	7-8	7-8	2500	0	2
	Manston ...	21·3	+10	N	3	bc	39	75	33	7	-	3	-	0	4-6	-	0	*
2	Shoeburyness ...	22·1	+10	NW	3	z	34	92	31	6	5	-	-	Tr	Tr	4000	0	*
	Felixstowe ...	21·3	+14	NW'N	3	z	38	85	32	5	-	-	-	0	0	-	0	2
	Gorleston ...	21·1	+18	NW	3	z	34	85	30	5	-	-	-	0	0	-	0	1
	Mildenhall ...	21·8	+12	W'N	1	z	30	92	28	5	-	-	-	0	0	-	0	*
	Cranwell ...	21·3	+14	W'N	3	z	32	88	27	6	+	-	-	0	0	-	3	*
3	Birmingham ...	23·2	+10	WNW	3	m	36	85	32	4	8	-	-	7-8	7-8	2500	1	*
	Upper Heyford	22·5	+12	NW'N	2	b	32	92	30	7	1	3	-	Tr	1	4000	0	*
4	Ross-on-Wye	23·5	+8	SW	1	b	29	92	27	8	5	-	-	Tr	Tr	2500	0	*
5	Hartland Point	24·0	+10	N	4	bc	43	85	37	8	2	-	-	4-6	4-6	2400	0	4
	Bristol ...	24·3	+14	W	1	z	32	92	30	6	-	-	-	0	0	-	3	*
	Portland Bill ...	22·3	+12	NW'W	3	bc	39	92	36	8	4	-	-	4-6	4-6	220	1	3
	Plymouth ...	24·6	+8	ESE	2	z	36	92	33	6	8	-	-	2-3	2-3	4000	0	1
	The Lizard ...	24·5	+8	N	3	bc	39	85	34	8	2	-	-	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	25·3	+10	N'W	4	bc	44	75	36	8	8	-	-	4-6	4-6	1600	0	3
	Guernsey ...																	
6	Pembroke ...	24·5	+10	NW'N	4	bc	43	85	38	8	2	-	-	4-6	4-6	3000	0	3
7	Holyhead (Valley)	23·6	+14	NW'N	3	b-bc	38	92	36	8	8	4	-	2-3	2-3	2500	0	2
	Chester (Sealand)	22·8	+10	NNW	2	b-bc	40	85	35	7	7	-	-	2-3	2-3	3000	0	*
8	Manchester ...	22·4	+10	SW	1	m	33	92	30	4	1	3	-	2-3	4-6	2500	0	*
10	Spurn Head ...	20·5	+6	WNW	4	z	39	85	34	6	-	-	-	0	0	-	0	3
	Catterick ...	21·4	+18	SSE	1	b	29	92	28	8	-	-	-	0	0	-	1	*
	Tynemouth ...	20·4	+14	W	2	b	36	85	32	6	-	-	-	0	0	-	1	2
11	St. Abbs Head	16·3	+16	W	4	b	40	85	36	7	5	-	-	Tr	Tr	4000	0	4
	Leuchars ...	16·9	+20	WSW	3	b	35	85	31	8	-	-	-	0	0	-	0	*
12	Renfrew (Abbots I.)	18·9	+10	WSW	3	bc	39	85	36	8	5	-	-	4-6	4-6	1200	1	*
	Eskdalemuir ...	20·3	+16	SSE	2	c	32	92	28	8	5	-	-	7-8	10	1500	3	*
	Point of Ayre...	21·6	+14	NW'W	4	cjp	43	85	38	8	8	-	-	9+	9+	3000	0	4
13A	Tiree	19·2	+14	WNW	3	c	43	85	39	8	8	-	-	9	9	2000	0	2
13B	Stornoway ...	16·7	+24	WSW	3	bc	37	97	37	8	5	4	-	2-3	4-6	2800	1	2
15	Dalwhinnie ...	17·0	+16	WSW	3	bc	37	85	32	8	5	-	-	4-6	4-6	2500	1	*
	Aberdeen † ...	14·7	+20	SW	2	b-bc	39	75	31	7	5	-	-	2-3	2-3	2000	0	1
	Wick ...	12·3	+26	NW	2	b-bc	39	92	37	8	3	-	-	2-3	2-3	1500	1	*
16	Sumburgh ..	11·8	+26	-	0	z	36	97	35	6	5	4	1	2-3	2-3	2500	1	3
17	Blacksod Point	24·4	+8	WNW	2	b	43	85	39	8	8	-	-	1	1	2500	1	3
18	Malin Head ...	20·6	+14	W'N	3	bc	43	75	36	8	9	-	-	4-6	4-6	2500	1	3
	Aldergrove ...	21·3	+8	SW'W	2	b-bc	36	92	34	7	5	7	-	Tr	2-3	3000	1	*
19	Birr Castle ...	25·0	+10	S	2	c-bc	37	92	35	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	27·3	+8	NW'N	3	bc	45	75	38	8	2	-	1	4-6	4-6	2500	1	3
	Roches Point	26·5	+4	NNW	3	bc	41	97	40	8	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	48	37	20	-	Tr	4·3
	Croydon ...	50	39	38	-	-	9·0
	S. Farnborough	49	32	19	-	-	6·8
	Boscombe Down	48	31	22	-	-	8·1
	Thorney Island	49	38	33	-	-	*
	Lympne ...	47	33	29	-	-	9·0
	Manston ...	48	35	32	-	-	9·3
2	Shoeburyness ...	51	33	26	-	-	8·5
	Felixstowe ...	48	35	29	-	-	8·4
	Gorleston ...	44	33	28	-	-	6·5
	Mildenhall ...	47	29	18	-	Tr	8·9
	Cranwell ...	48	29	23	-	-	3·8
3	Birmingham ...	46	34	27	Tr	Tr	3·4
	Upper Heyford	47	31	26	-	-	*
4	Ross-on-Wye	46	29	21	-	-	2·7
5	Hartland Point	46	41	39	0·5	Tr	2·5
	Bristol ...	50	31	22	-	-	2·4
	Portland Bill ...	48	38	*	-	-	*
	Plymouth ...	51	35	27	-	Tr	3·3
	The Lizard ...	50	37	*	-	-	3·0
	Scilly (St. Mary's)	52	43	*	0·2	-	3·8
	Guernsey ...						
6	Pembroke ...	49	41	*	Tr	-	3·8
7	Holyhead (Valley)	51	41	33	Tr	-	*
	Chester (Sealand)	50	38	32	-	-	5·7
8	Manchester ...	47	32	23	Tr	-	*
10	Spurn Head ...	45	37	*	-	-	7·2
	Catterick ...	49	29	18	-	*	
	Tynemouth ...	48	35		-	-	*
11	St. Abbs Head	48	35	*	Tr	-	*
	Leuchars ...	49	35	31	0·2	-	4·4
12	Renfrew (Abbots I.)	48	35	28	5	0·2	3·9
	Eskdalemuir ...	46	29	25	1	-	3·5
	Point of Ayre...	51	40	*	0·5	-	0·6
13A	Tiree	48	40	36	1	0·3	4·4
13B	Stornoway ...	47	37	33	6	1	2·8
15	Dalwhinnie ...	42	33	30	9	0·1	1·3
	Aberdeen † ...	49	37	28	-	-	3·5
	Wick ...	46		26	1	0·2	*
16	Sumburgh ..	46	33	20	3	5	1·3
17	Blacksod Point	47	41	*	1	1	*
18	Malin Head ...	45	40		0·4	1	4·7
	Aldergrove ...	46	35	29	1	0·2	5·8
19	Birr Castle ...	49	35	30	0·2	-	5·7
20	Valentia Obsy.	40	42	37	1	1	3·3
	Roches Point	49	49	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 8th Mar. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 9th Mar. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	02845	53667	3-	01855	53585	30	25644	56686	50	01754	28114
115				82	88735	91788	82	81835	91851	87	81811	28587
203							8-	81848	24588	8-	02946	20416
206	36	25854	22687	30	01843	55683	50	01763	57783	57	01863	22384
210	23	01863	53664	20	01862	20482	2-	01853	53513	5-	02856	21486
219	9-	27747	57688	80	27855	57786	20	01854	59684	28	01854	25405
230	8-	25945	53585	90	01963	53513	3-	02855	22315	3-	01854	20384
245	57	22864	22467	14	01952	22482	00	00990	23300	70	00962	23202
260	10	01864	57524	46	01853	55514	00	05690	22200	50	01761	55301
278	26	02864	23464	24	02856	25486	·			83	01844	22384
279	83	01864	22365	26	10963	23584	50	01852	24412	84	01853	22313
285	5-	51528	22428	20	26855	28585				20	01745	32515
288	07	05690	18408	54	01851	22314	00	00790	20300	00	00890	19200
575	80	25855	59485	26	01854	28385	30	01852	30212	50	01854	00014
301	53	22654	22466	46	01853	24414	00	00790	28300	20	05651	28301
321	00	06590	18440	50	05554	22324	00	05590	24310	00	08490	26200
2.3	50	05644	20414	54	05644	18314	00	00790	24300	00	00790	24300
292	5-	08468	18318	50	01854	22214	00	00690	24210	00	00890	28200
310	--	02636	24416	--	01635	24315				--	01626	26415
614	50	05553	20423	5-	21465	23255	00	08490	23210	03	05590	22200

III	13h. G.M.T. 8th Mar. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 9th Mar. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	50	02767	28367	8-	02866	28426	50	01863	24213	80	01853	28213
334	--	53537	26288							--	05542	30103
340				8-	05655	28265	00	00890	30100	80	01852	28103
136	20	02755	19315	50	05674	20214	00	05690	24310	00	05590	26300
336				13	01754	28415				10	01753	32313
350				5-	05654	22828	50	05653	26123	10	05662	26212
368	5-	05677	16227	5-	05658	26228						
379	5-	05655	18425	5-	05657	22327	50	05661	25321	50	01862	28402
390	50	05552	18212	50	05551	22321	5-	08468	24128	00	05590	00000
382	5-	02757	24427	5-	02768	24328	57	05663	28126	50	04662	00012
438	00	05690	20310	00	05690	22400	5-	03638	00018	5-	05647	02427
430	10	01753	18413	00	05690	22100	5-	05568	00028	5-	05663	02126
409	5-	02758	22328	5-	01854	30364	20	01854	29314	24	01854	31314

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 9th Mar.
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. Tim
Kew ...	efbczy	bbcycz$_o$	cbcbm$_x$	
Croydon ...	cm$_o$bcfz$_o$	czocm	cmbc	
Greenwich ...	bcbu	bbcyb	bcbcbm	
Camden Square	c	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bcm	bc	Min. 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 ...	48	37	20	-	Tr	4·3	*	*
Croydon ...	50	39	33	-	-	9·0	*	*
Greenwich ...	50	36	23	-	-	7·4	45	67
Westminster ...	50	33	32	-	-	*	51	67
Regents Park ...								
Camden Square	49	36	27	-	-	*	*	65
Kensington ...	50	35	28	-	-	*	61	66
Hampstead ...	48	35	33	-	-	*	*	57

SECRET

Page 1 BRITISH SECTION

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

Wednesday 10th March 1943.

No. 29693.

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

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)	23·9	+2	NW	2	zo	46	45	26	6	8	–	–	7·8	7·8	2500
	Croydon	24·3	+2	NW	1	zo	47	55	30	6	2	–	–	7·8	7·8	4000
	S. Farnborough	24·2	+2	N'W	2	bc	48	35	25	8	1	–	–	4·6	4·6	2500
	Boscombe Down	24·7	-2	N'W	2	c	45	55	30	8	8	–	–	9	9	3000
	Thorney Island	23·8	+2	NW'W	2	c-bc	48	45	29	8	2	–	–	7·8	7·8	2500
	Lympne	23·7	+10	NW	2	c-bc	47	45	29	8	1	–	–	7·8	7·8	3000
	Manston	23·8	+8	N'E	2	zo	45	55	28	6	1	–	–	Tr	Tr	2500
2	Shoeburyness	24·7	+2	N	1	b-bc	48	45	30	7	1	–	–	2-3	2-3	4000
	Felixstowe	23·4	+4	NW	3	b	51	45	25	7	1	–	–	1	1	4000
	Gorleston	23·1	+12	N'E	4	b	44	65	34	7	8	–	–	0	0	–
	Mildenhall	23·7	+4	NNW	2	b	48	55	32	8	1	–	–	Tr	Tr	3000
	Cranwell	23·3	+4	NW'N	3	zo	50	35	26	6	1	–	–	Tr	Tr	3500
3	Birmingham	24·9	+6	NW	3	zo	46	65	32	6	8	–	–	4-6	4-6	2500
	Upper Heyford	24·2	+4	NNW	3	zo	45	55	41	6	2	–	–	4·6	4-6	2500
4	Ross-on-Wye	24·9	+8	N'W	3	bc	47	45	29	8	1	–	–	4-6	4-6	3500
5	Hartland Point	25·5	+2	N	3	b-bc	44	85	39	8	2	4	–	2-3	2-3	2000
	Bristol	25·6	+2	N'E	2	c-bc	48	55	34	7	2	–	–	7·8	7·8	2500
	Portland Bill	24·8	0	N	3	bc	47	75	40	8	2	–	–	4-6	4-6	220
	Plymouth	25·8	-2	NNE	2	c-bc	50	65	37	8	8	–	–	7-8	7·8	2500
	The Lizard	25·7	0	N	4	c/pr	45	75	38	8	5	–	–	9+	9+	1500
	Scilly (St. Mary's)	27·3	+2	N'W	3	c-bc	51	65	40	8	8	4	9	4-6	7·8	2800
	Guernsey															
6	Pembroke	26·6	+2	NW	2	bc	49	75	40	8	2	–	–	4-6	4-6	3000
7	Holyhead (Valley)	25·0	+14	NW	4	bc	48	65	38	8	1	6	1	2-3	4-6	2500
	Chester (Sealand)	24·6	+14	W	3	c-bc	48	75	40	8	8	–	4	7·8	7·8	2500
8	Manchester	23·8	+6	WNW	2	zo	46	75	32	6	2	6	–	4-6	7·8	4000
10	Spurn Head	23·1	+10	WNW	3	zo	46	65	37	6	5	–	–	2-3	2-3	1500
	Catterick			NW	2	bc				8	1	–		2-3	4-6	2500
	Tynemouth	21·3	0	W	3	b	50	55	34	7	–	–	1	0	1	–
11	St. Abbs Head	19·1	0	WNW	3	b	48	65	37	7	1	–	–	1	1	3500
	Leuchars	18·9	-2	WSW	2	bc	51	55	33	8	1	–	5	4-6	4-6	3000
12	Renfrew (Abbots I.)	20·7	+2	W'S	4	c	49	75	40	8	8	7	–	7·8	9	2500
	Eskdalemuir	20·9	-6	W'N	3	bc	46	55	31	8	7	–	–	4-6	4-6	2800
	Point of Ayre	23·3	+6	NW'N	3	bc	50	75	41	8	2	–	5	Tr	4-6	3000
13A	Tiree	19·5	-12	SW	3	c	49	75	42	9	8	3	6	2-3	9	4000
13B	Stornoway	14·1	-26	SSW	5	c	48	85	43	8	5	2	–	7·8	10	3000
15	Dalwhinnie	18·6	+4	WSW	3	c	45	65	34	8	8	–	9	4-6	9	4000
	Aberdeen	17·4	+10	WNW	3	b-bc	53	45	34	8	1	–	5	2-3	2-3	4500
	Wick	15·0	-6	SW	4	c-bc	51	65	35	9	8	–	–	7·8	7·8	3500
16	Sumburgh	11·7	-18	SW'S	5	c	44	75	38	8	5	1	7	1	10	3000
17	Blacksod Point	24·1	-6	SW'S	3	dodo	48	85	44	7	6	2	–	4-6	10	1500
18	Main Head	21·3	-6	W'N	3	bc	50	75	42	8	8	–	4	2-3	4-6	2500
	Aldergrove	23·5	+4	WSW	3	c	48	65	37	9	8	–	–	9+	9+	2500
19	Birr Castle	25·8	+2	NW	1	c-bc	51	65	40	8	5	–	–	7·8	7·8	2500
20	Valentia Obsy.	27·8	-8	NE'E	3	c	50	75	42	8	7	–	3	2-3	9+	2500
	Roches Point	27·4	+4	NNW	4	bc	50	85	46	8	2	–	5	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	23·8	+2	NNW	2	zo	46	45	29	5	5	–	–	Tr	Tr	4000	1	*
Croydon	24·0	0	–	0	bf+	43	55	29	3	–	–	–	0	0	–	0	*
S. Farnborough	23·8	0	NNW	1	zo	46	55	29	6	–	–	1	0	Tr	–	0	*
Boscombe Down	24·6	-4	NW'N	1	b	44	55	30	7	4	–	–	Tr	Tr	4000	0	*
Thorney Island	23·7	+2	NW'N	2	b-bc	44	55	30	7	4	–	–	2-3	2-3	2500	0	*
Lympne	23·7	-2	NW	2	b	41	65	31	8	–	–	–	0	0	–	0	§
Manston	23·6	-2	–	0	zo	43	65	32	6	–	–	–	0	0	–	0	*
Shoeburyness	23·6	0	SSW	1	b	43	65	34	7	–	–	–	0	0	–	0	*
Felixstowe	23·0	+2	ESE	2	b	41	85	38	7	–	–	–	0	0	–	0	2
Gorleston	23·4	+2	–	0	zo	44	75	35	6	–	–	–	0	0	–	0	3
Mildenhall	23·0	+2	–	0	b	45	65	33	7	–	–	1	0	Tr	–	0	*
Cranwell	23·0	+2	W	3	zo	42	75	34	6	–	–	–	0	0	–	0	*
Birmingham	24·1	-2	WNW	2	zo	44	65	33	5	–	–	5	0	1	–	0	*
Upper Heyford	23·7	0	WNW	1	zo	43	75	34	6	–	–	5	0	2-3	–	0	*
Ross-on-Wye	24·3	0	W	1	b	45	65	33	8	5	–	1	1	1	3500	0	*
Hartland Point	25·2	0	NW	3	bc	46	85	40	8	2	6	6	Tr	4-6	2000	0	3
Bristol	25·3	+4	N	1	zo	43	85	38	6	4	–	5	1	1	4000	1	*
Portland Bill	24·8	+6	N	3	c	45	75	38	8	5	–	–	9	9	4000	1	3
Plymouth	25·5	-2	NNE	1	c	47	65	38	8	4	–	5	9	9	3500	0	1
The Lizard	25·6	+4	N	4	bc	45	85	39	8	4	4	–	4-6	4-6	2500	0	3
Scilly (St. Mary's)	26·4	-2	N	3	bc	46	75	39	8	2	6	5	1	4-6	1800	0	3
Guernsey																	
Pembroke	25·6	0	WNW	2	c-bc	45	85	39	8	8	2	–	4-6	7·8	3000	0	3
Holyhead (Valley)	24·1	0	WSW	3	c	45	85	39	8	2	4	6	Tr	9	2500	0	3
Chester (Sealand)	23·5	0	WNW	2	c-bc	44	85	39	8	–	–	2	0	7·8	–	0	*
Manchester	23·4	+6	SW'W	2	zo	43	75	36	6	–	–	1	0	2-3	–	0	*
Spurn Head	22·3	+2	SSE	3	bc	43	75	36	7	7	3	–	4-6	4-6	2500	0	3
Catterick			WSW	2	bc				8	5	4		Tr	4-6	3000	0	*
Tynemouth	21·0	0	WSW	3	zo	48	55	34	6	–	4	2	0	4·6	–	0	2
St. Abbs Head	17·2	-12	W	3	c-bc	46	65	29	7	5	4	–	4-6	7·8	3500	0	3
Leuchars	16·2	-14	SW'W	4	c	47	65	35	8	5	7	7	4-6	9+	5000	0	*
Renfrew (Abbots I.)	18·1	-18	SW	3	c	47	75	38	7	5	–	–	10	10	2000	1	*
Eskdalemuir	19·6	-6	WSW	4	c	43	65	31	8	5	7	7	Tr	9	2800	0	*
Point of Ayre	21·9	-6	W'S	3	c	47	85	42	8	–	4	6	0	9	–	0	2
Tiree	15·1	-26	SSW	4	dodo	47	97	47	6	–	2	–	10	10	1000	1	
Stornoway	08·3	-30	SW	7	rr	48	97	47	6	5	2	–	10	10	1200	1	5
Dalwhinnie	14·0	-28	SW	4	c	41	85	37	7	5	–	6	4-6	9+	1500	0	*
Aberdeen	13·9	-20	SW	3	c	49	55	36	7	4	7	7	1	9+	4000	0	2
Wick	10·0	-34	SSW	5	iro	45	75	38	9	5	7	–	4-6	10	3000	0	*
Sumburgh	05·9	-42	SW'S	6	roro	44	85	40	7	5	2	–	7·8	10	1500	1	3
Blacksod Point	21·5	-14	SW'S	4	dd	49	97	49	6	–	2	–	10	10	1500	1	3
Main Head	17·8	-22	SW	4	s/r	48	92	46	8	8	2	–	7·8	10	1500	1	4
Aldergrove	21·2	-14	SW'S	3	c	47	75	40	8	5	–	–	10	10	2000	1	*
Birr Castle	23·9	-4	SSW	2	c	48	85	44	8	5	2	–	7·8	10	2500	1	*
Valentia Obsy.	26·1	-10	WSW	1	c	50	92	48	8	5	7	–	4-6	9+	1500	1	3
Roches Point	25·8	-10	NW'W	2	c	49	85	45	8	5	–	–	9	9	2500	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)	bb czoy	bcbzoy	bmffx	b,effx
Croydon	bfbbcz	bcz y	bfybf M	bmbmxcm
S. Farnborough	bmozbcy	bcbzoy	byz mmx	bmmbcmx
Boscombe Down	bbcc	bcyby	bybm	bzo
Thorney Island	cbbc	bcyb	bmx	bbcmx
Lympne	cmobzobc	bcybyb	bbmyx	bbcmx
Manston	bmozo	by	bm	bmx
Shoeburyness	bczo	bc		bmx
Felixstowe	bmob	bybcb	bmbmw	bmwbcmcmx
Gorleston	b	bzo	bzw	bbcz
Mildenhall	bzoby	byb	bbm	bczcmx
Cranwell	bmobzoy	bzoy	bm	bmbom
Birmingham	bcz	bcbz	b	b,cz
Upper Heyford	bbczo	bcb bzo	bm	bmbcmcmx
Ross-on-Wye	bbc	bcyby		
Hartland Point	bc	bc	bcbbc	bcc
Bristol	bzobcy	bcbcy	bmbmx	
Portland Bill	bcbc	c	bc	bcbc
Plymouth	bc	bbc	cbcbm	bmbcmx
The Lizard	cprc	bccbc	bcbbc	bcc
Scilly (St. Mary's)	bcc	bccbc	bcc	bc
Guernsey				
Pembroke	bc	bcc	bcc	cde
Holyhead (Valley)	bc	bc	bbc	cbc
Chester (Sealand)	b,v,bc	bc	cczo	czo
Manchester	bcmxczo	czobcbzo	bcm cm	cmm
Spurn Head	bcmo	bc	bcm	cz
Catterick		bc	c	cic
Tynemouth	bmobc	bcmo	bccm	cm
St. Abbs Head	bzo	bczoc	c	cbcc
Leuchars	bcbbc	cyc	c	cbccdm
Renfrew (Abbots I.)	bccbcc	c	ddd dom	cmidcmdd
Eskdalemuir	cmobcy	bcyc	c	comdd
Point of Ayre	cbbc	bcc	irc	ircbc
Tiree	c	cododomo	oddmo	oodd
Stornoway	bcproc	crororrmo	cdd	cddid
Dalwhinnie	bcc	c	*	ciro
Aberdeen	bcby	bycy	cybcw	bcwc
Wick	bc	ciro	ccir	bcc
Sumburgh	bcxc	croro	cmddo	cmddc
Blacksod Point	d	d	d	d
Main Head	bc		r	r
Aldergrove	bbcc	c	ccid	ccid
Birr Castle	bc	c	*	d
Valentia Obsy.	pr	pr	d	r
Roches Point	bc	c	c	d·

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

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England 6 South Wales	Moderate to fresh southwest wind. Fair, fine in East at first; becoming cloudy with local rain later. Moderate visibility; mild.
7 North Wales 8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland ↓ 12 S.W. Scotland & Isle of Man ↓ 13A W. Scotland ↓ 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland ↓	Fresh westerly wind in South, gale force in North; veering northwest and decreasing. Cloudy with local rain or drizzle at first, particularly in western areas. Wintry showers later, mainly in western and northern areas; moderate or good visibility becoming mainly good or very good away from showers. Mild becoming cold, probably very cold in North.
16 Orkneys and Shetlands ↓ 17 N.W. Ireland ↓ 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 7-15.

GENERAL INFERENCE

A depression southeast of Jan Mayen is moving east-northeast. Associated troughs will move southeast across the British Isles. It will be mainly fair in England and Wales to-day but cloudy conditions with occasional slight rain will spread down from the North. Cloudy conditions with occasional rain in Scotland and Northern Ireland will give way to colder weather with wintry showers. Mild becoming cold or very cold in the North.

FURTHER OUTLOOK

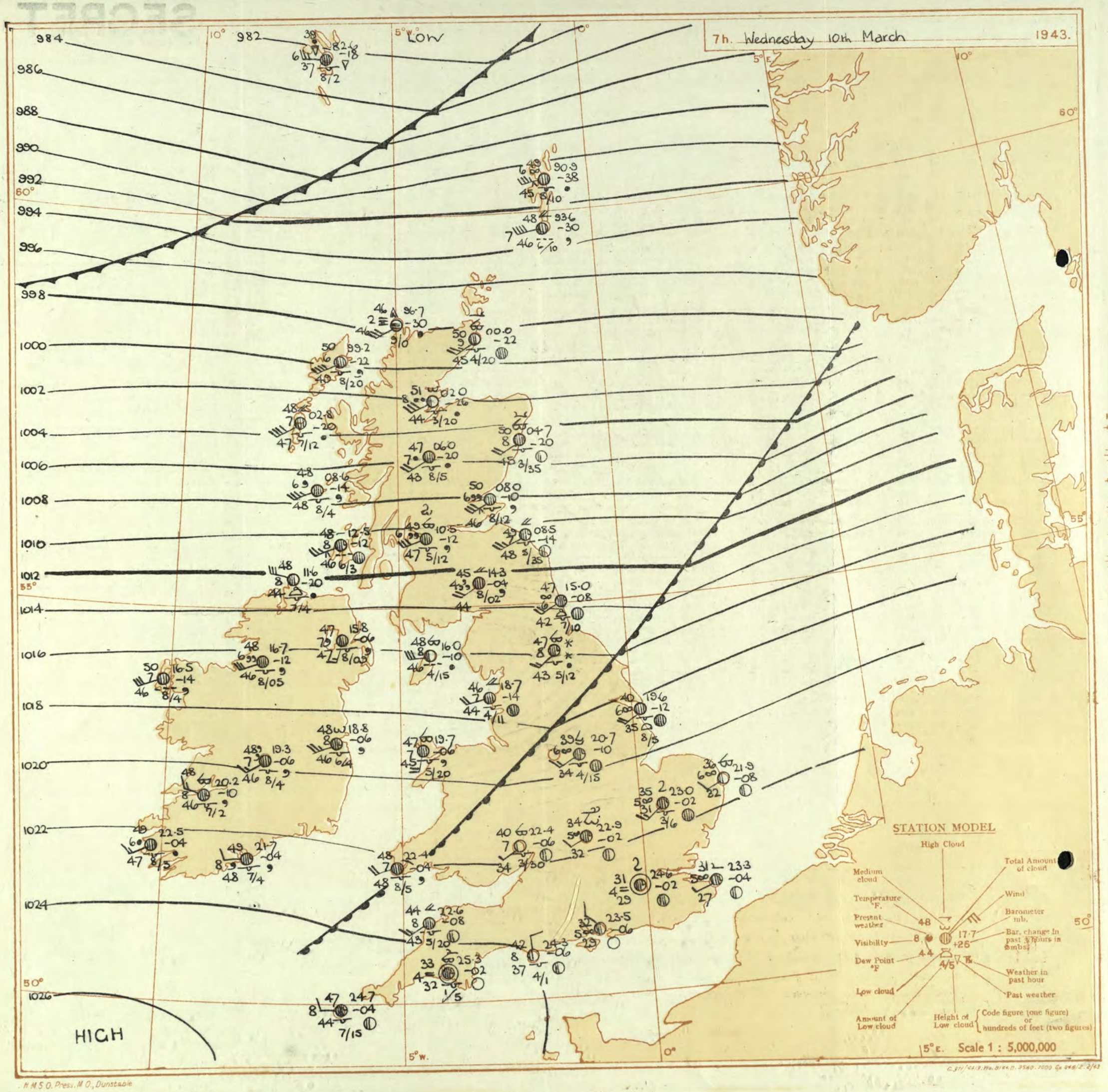
Becoming colder in the South, little change in the North.

↓ Gale warning in operation in districts 16; time of issue 0900h 9th March, and in districts 11, 12, 13, 15, & 17; time of issue 0545h 10th March 1943.

Forecasts issued at 1300

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

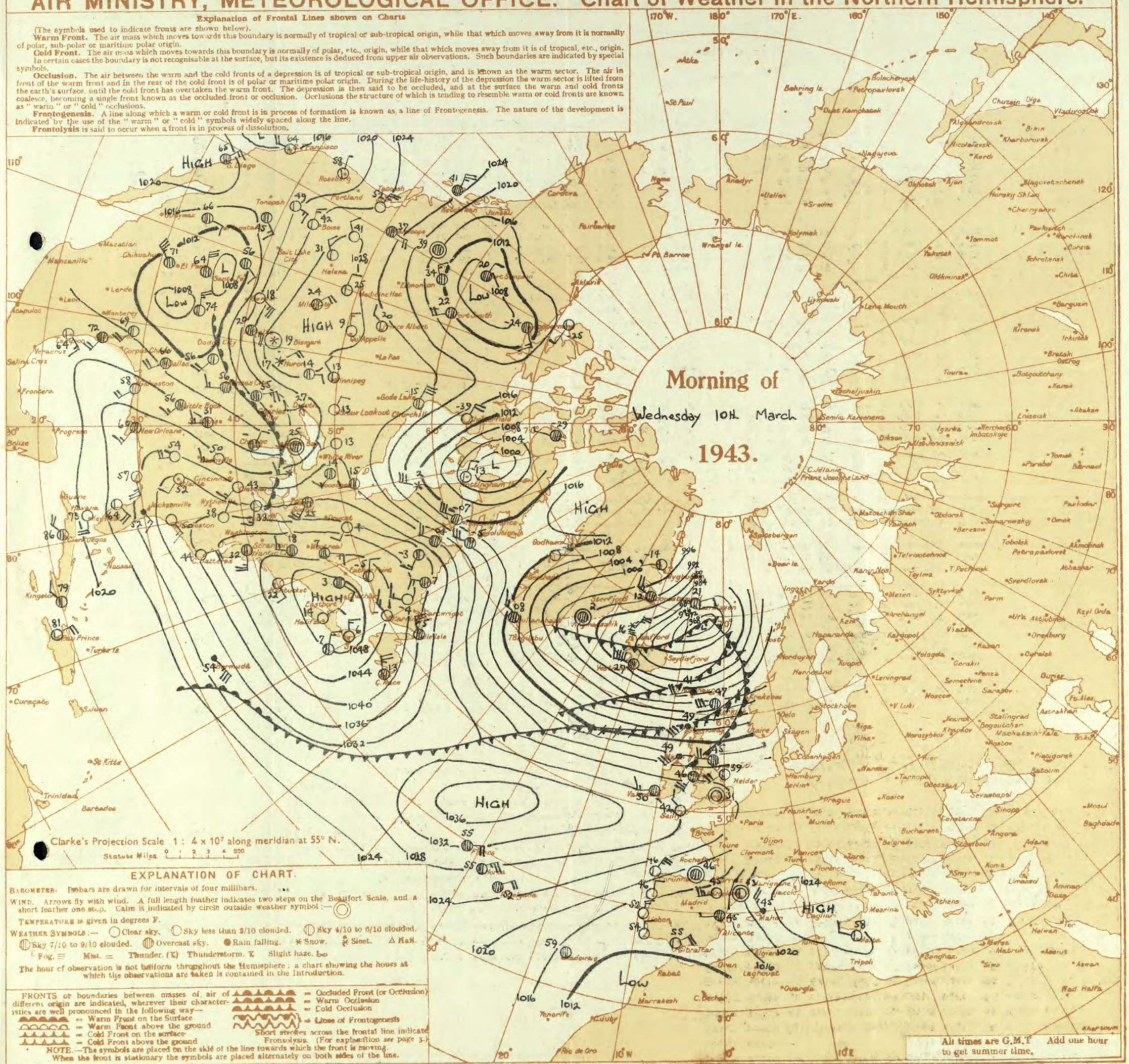
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 10th March 1943

No. 29693

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·3	0	-	0	b/f	31	85	27	4	-	-	-	0	0	-
	S. Farnborough	226	25·0	-6	-	0	m	28	92	26	4	-	-	-	0	0	-
	Boscombe Down	417	25·5	-6	NW'W	1	z_0	34	92	31	6	-	-	-	0	0	-
	Thorney Island	10	25·0	-2	NNW	1	z_0	33	85	28	6	-	-	-	0	0	-
	Lympne ...	283	25·1	+2	S	1	z_0	31	97	31	6	-	-	-	0	0	-
	Manston ...	154	24·4	-2	SSE	1	z_0	34	85	29	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24·3	0	SW'W	1	z_0	38	97	37	5	-	-	-	0	0	-
	Gorleston ...	5	23·8	0	SW	2	z_0	37	75	30	6	-	-	-	0	0	-
	Mildenhall ...	15	23·5	-6	SW'S	2	z_0	35	75	28	6	-	-	-	0	0	-
	Cranwell ...	203	23·0	-6	W	2	z_0	36	92	33	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·3	-6	W'S	1	z_0	34	92	31	5	-	3	-	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·9	-8	W'N	2	b	43	85	39	8	1	-	-	1	1	2500
	Bristol ...	209	25·6	-2	-	0	z_0	35	97	33	6	-	-	-	0	0	-
	Portland Bill ...	32	25·2	-4	NNE	2	bc	42	85	37	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	26·2	+2	ESE	2	z_0	38	92	35	6	5	-	-	1	1	4000
	The Lizard ...	240	26·4	+6	N	2	b-bc	41	85	37	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	26·6	-2	NNW	2	b	42	85	38	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	24·9	-6	SW'W	4	c	47	92	45	7	5	-	-	10	10	2500
7	Holyhead (Valley)	32	22·4	-10	SW'S	5	c	46	85	43	7	5	-	-	10	10	2300
	Chester (Sealand)	16	22·3	-14	W'S	2	c	45	75	37	6	5	-	-	10	10	3300
8	Manchester ...	235	22·6	-14	S'E	3	m	38	85	32	4	5	-	-	10	10	4000
10	Spurn Head ...	29	22·3	-8	SW'W	4	bc	39	85	34	6	7	-	-	4-6	4-6	2500
	Catterick ...	175	*	*	SW	2	/r	44	75	38	6	5	-	-	10	10	2000
	Tynemouth ...	108	18·2	-20	W	4	c	45	75	37	7	5	-	-	9	9	2500
11	St. Abbs Head	280	12·0	-24	SW	4	c	46	92	43	7	5	-	-	9	9	2500
	Leuchars ...	36	10·8	-24	WSW	5	c	48	85	44	8	5	-	-	9+	9+	1200
12	Renfrew (Abbots I.)	19	13·6	-22	WSW	4	s/d	48	97	48	6	6	2	-	7-8	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·7	-14	W	5	c	47	92	44	8	5	-	-	10	10	3000
13A	Tiree ...	44	11·8	-18	SW'W	5	d_0d	49	97	49	6	5	2	-	9+	10	800
13B	Stornoway ...	15	04·6	-26	SW	6	id_0	49	92	47	6	5	-	-	10	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	08·9	-18	SW	5	c	47	92	44	8	5	-	-	10	10	3300
	Wick ...	114	04·7	-20	SSW	4	ir_0	49	85	45	8	5	-	-	7-8	7-8	2000
16	Sumburgh ..	19	99·8	-20	SW'W	6	d_0d_0	46	97	46	6	5	-	-	10	10	900
17	Blacksod Point	18	19·5	-20	SW'W	5	id_0	49	92	47	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	15·1	-18	SW	5	ir_0	49	92	47	8	5	2	-	7-8	10	1500
	Aldergrove ...	268	18·4	-18	SSW	4	d_0d_0	47	97	46	6	5	-	-	10	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·4	-16	WSW	3	o	50	97	50	7	5	-	-	10	10	800
	Roches Point	22	24·4	-12	W	3	c	48	97	48	8	5	-	-	9	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	23·7	-2	SW'S	1	cf	34	92	31	3	5	-	6	Tr	9+	1500	3	*
Croydon	24·6	-2	-	0	m	31	92	29	4	-	-	6	0	9	-	0	*
S. Farnborough	24·1	0	-	0	m	26	97	26	4	-	7	6	0	9+	-	3	*
Boscombe Down	24·1	-2	-	0	z_0	30	85	27	5	5	7	6	2-3	7-8	3000	0	*
Thorney Island	23·5	-6	NW	2	z_0	32	85	29	5	-	-	2	0	7-8	-	0	*
Lympne	24·1	+2	SW	1	z_0	30	97	30	6	-	-	6	0	4-6	-	3	§2
Manston	23·3	-4	WSW	1	z_0	31	85	27	5	-	-	5	0	9+	-	0	*
Shoeburyness	23·7	-2	W	2	fg	34	85	31	4	-	4	2	0	10	-	3	*
Felixstowe	23·6	+2	WSW	1	c	34	92	31	8	-	-	9	0	9	-	0	1
Gorleston	21·9	-8	SW	2	z_0	36	85	32	6	-	7	-	0	4-6	-	0	3
Mildenhall	23·0	-2	SW'S	3	z_0	35	85	31	5	5	-	6	2-3	9+	4000	0	*
Cranwell	19·9	-14	SW'W	4	z_0	39	85	34	6	5	3	6	4-6	9+	2500	0	*
Birmingham	21·3	-6	NW	3	z_0	39	85	35	5	-	7	-	0	9+	-	0	*
Upper Heyford	22·9	-2	SW'W	2	z_0	34	97	32	5	-	5	2	0	9+	-	0	*
Ross-on-Wye	22·4	-6	SW	1	b-bc	40	75	34	7	5	7	-	2-3	2-3	3000	0	*
Hartland Point	22·6	-8	SW	3	c	44	97	43	8	5	2	-	7-8	10	2000	0	3
Bristol	24·2	+2	SW	1	z_0	39	92	36	6	-	7	-	0	9	-	1	*
Portland Bill	24·3	-6	N	2	bc	42	85	37	8	5	-	-	4-6	4-6	220	1	3
Plymouth	25·3	+2	-	0	m	33	97	32	4	5	7	5	Tr	9	2500	0	1
The Lizard	24·8	0	N	3	c-bc	41	92	39	8	4	-	-	7-8	7-8	2500	0	2
Scilly (St. Mary's)	24·7	-4	W	2	c	47	85	44	8	5	-	-	9+	9+	1500	0	3
Guernsey																	
Pembroke	22·4	-4	WSW	4	c	48	97	48	7	5	-	-	10	10	2500	1	3
Holyhead (Valley)	19·7	-6	SSW	4	c	47	92	45	7	5	7	-	7-8	10	2000	0	3
Chester (Sealand)	19·4	-6	SW	1	c	48	75	42	7	8	7	8	7-8	10	2500	0	*
Manchester	19·8	-8	S	4	z_0	42	85	39	6	5	-	-	10	10	4000	0	*
Spurn Head	19·6	-12	SW'S	4	z_0	40	85	35	6	7	-	-	10	10	2500	0	3
Catterick	*	*	SW	3	c	47	85	41	8	5	7	*	7-8	9+	1200	*	*
Tynemouth	15·0	-8	SW	4	z_0	47	85	42	6	8	-	-	9+	9+	1000	0	3
St. Abbs Head	08·5	-14	SW	5	c	49	92	48	7	5	2	-	7-8	7+	3500	0	4
Leuchars	08·0	-10	SW	6	d_0d_0	50	85	46	6	5	-	-	10	10	1200	0	*
Renfrew (Abbots I.)	10·5	-12	WSW	6	d_0d_0	49	92	47	6	5	7	9	7-8	10	1200	1	*
Eskdalemuir	14·3	-4	SW'S	4	dd	45	97	44	4	-	2	-	10	10	200	1	*
Point of Ayre	16·0	-10	W	6	bc	48	92	46	8	6	7	-	4-6	4-6	1500	0	4
Tiree	08·6	-14	SW'W	7	id_0	48	97	48	6	5	-	-	10	10	1500	1	5
Stornoway	99·2	-22	WSW	8	id_0	50	97	49	6	5	-	-	10	10	2000	1	6
Dalwhinnie	06·0	-20	SW	4	ir_0	47	85	43	7	5	-	-	10	10	2500	1	*
Aberdeen †	04·7	-20	SW	4	c	50	85	45	8	5	7	7	2-3	10	3500	0	2
Wick	00·0	-22	SW	5	c-bc	50	85	45	9	5	7	8	4-6	7-8	2000	1	*
Sumburgh	93·6	-30	WSW	8	c	48	92	46	7	6	2	-	9	10	1000	1	4
Blacksod Point	16·5	-14	WSW	6	c	50	85	46	7	6	-	-	10	10	1500	1	5
Malin Head	11·6	-20	W'N	6	c	48	85	44	8	8	-	-	9+	9+	1500	1	4
Aldergrove	15·8	-6	SSW	3	id_0	47	97	47	7	5	-	-	10	10	900	1	*
Birr Castle	19·3	-6	SW	3	id	48	92	46	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	22·5	-4	W'S	3	ir_0	49	92	47	6	5	-	-	10	10	800	1	3
Roches Point	21·7	-4	W	2	id_0	49	97	49	8	5	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
London (Kew)	49	32	16	-	Tr	7·9
Croydon	49	31	26	-	-	6·9
S. Farnborough	50	26	15	-	-	8·6
Boscombe Down	48	27	22	-	Tr	7·2
Thorney Island	51	30	21	-	-	*
Lympne	48	29	17	-	-	8·7
Manston	47	31	24	-	-	9·7
Shoeburyness	50	28	21	-	-	9·[illegible]
Felixstowe	53	29	21	-	-	[illegible]
Gorleston	49	35	29	-	-	9·0
Mildenhall	51	33	21	-	Tr	9·9
Cranwell	52	34	30	-	-	8·6
Birmingham	47	36	24	-	-	5·0
Upper Heyford	49	30	26	-	-	*
Ross-on-Wye	50	31	23	-	-	8·5
Hartland Point	48	42	39	-	-	9·1
Bristol	49	32	24	-	-	7·8
Portland Bill	42	39	*	-	-	*
Plymouth	51	32	21	-	-	6·4
The Lizard	50	30	*	0·2	-	5·1
Scilly (St. Mary's)	51	41	*	-	-	65
Guernsey						
Pembroke	49	44	*	-	Tr	8·9
Holyhead (Valley)	50	43	40	-	-	*
Chester (Sealand)	49	38	27	-	-	8·5
Manchester	50	36	26	-	-	*
Spurn Head	50	38	*	-	-	8·7
Catterick	*	*	18	-	*	*
Tynemouth	51	42	40	-	-	*
St. Abbs Head	49	44	*	-	-	*
Leuchars	53	46	44	-	Tr	8·0
Renfrew (Abbots I.)	51	45	44	-	2	5·2
Eskdalemuir	49	41	40	-	1	4·2
Point of Ayre	52	45	*	-	Tr	7·3
Tiree	50	47	38	0·5	1	4·7
Stornoway	49	47	45	2	1	1·8
Dalwhinnie	47	41	40	-	3	4·7
Aberdeen †	54	45	41	-	-	7·1
Wick	51	44	44	Tr	Tr	*
Sumburgh	45	43	41	1	2	2·8
Blacksod Point	50	47	*	0·3	0·4	*
Malin Head	50	47		0·3	0·3	3·7
Aldergrove	50	45	45	-	0·5	4·3
Birr Castle	52	47	45	-	Tr	5·3
Valentia Obsy.	51	48	48	0·4	0·6	3·9
Roches Point	51	47	*	-	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 9th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 10th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	41	02853	20588	52	62655	18568	5-	02747	54727	57	02754	55825
115	54	0284	24525	52	64635	53588	--	67109	53519			
203												
206	86	25864	20585	57	62856	53628	20	02857	22487	53	62843	55664
210	10	01863	21414	59	02961	19427	5-	02957	20427	53	01863	53513
219	32	18688	16347	6-	54418	19658	5-	21748	53668	52	02747	53868
230	8-	01964	18315	52	52646	18358	51	51645	51558	5-	52748	51458
245	10	01362	55403	57	02854	20418	52	02·54	53527	57	02855	53617
260	20	05643	20214	57	02766	55417	57	05654	53427	57	21746	53658
278	26	02853	24384	57	02843	20328	5-	02748	20358	53	02847	21457
279	10	01863	21313	04	02790	20528	6-	22648	21668	52	05636	19528
285				53	01853	28415				5-	05628	26528
288	10	02854	25315	40	02862	22215	57	22665	19368	87	02844	20527
575	80	02854	24125	5-	52648	26258	5-	51735	20455	5-	52628	22358
301	20	01753	27314	20	01751	24224	52	02745	21328	52	02744	22428
321	20	05664	26314	00	05690	24213	04	05590	21843	57	05654	22425
[illegible]	10	01752	22202	10	01753	24203	40	05653	24313	84	05655	24416
292	10	01954	29214	00	01890	24313	51	61665	18216	57	05645	20367
310	--	01624	32414	--	01624	26314				--	57209	24459
614	10	05654	23114	00	05690	27103	05	41490	22245	07	08490	22327
333	10	01853	28313	50	02863	25217	5-	02778	18428			
334	--	03646	04217	--	02743	28214				--	53537	26388
340	20	02755	28225	4-	01752	30123	51	02853	22107	57	02864	20228
136	10	01752	28202	00	00690	22100	00	05690	22218	59	05573	20317
336	70	02766	04316	54	01752	28414				57	02656	20328
350	10	01864	30314	00	05690	26211	00	05690	22100	07	05590	20216
368	8-	02756	20316	43	01863	24314	50	00761	00001	57	02744	22127
379	2-	01765	28415	53	17652	28313	01	05690	24313	57	05564	22326
390	20	02754	30324	00	05690	00010	00	08490	00000	00	47390	18247
382	26	01764	01325	00	05690	00010	00	05690	00001			
438	80	05654	02314	54	01654	22114	00	05590	28200	54	05653	32213
430	10	01754	30314	44	01762	32212	00	05690	31200	04	05690	28104
409	70	01854	01384	10	01853	31214	50	01752	00002	07	02890	14127

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 10th March
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	$bbcz_0y$	$bcbz_0y$	bm_0ffx
Croydon	bfbbcz	bcz_0y	$bmbm_0xcm$
Greenwich	bbcy	by	bfx
Camden Square	b	b	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew 24 hours ended 9h.
Max. 1·0 Time [illegible]-22h 9h
Min. <0·1 Time 10-16h 9h

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	49	32	16	-	Tr	7·9	*	*
Croydon	49	31	26	-	-	6·0	*	*
Greenwich	49	29	19	-	-	7·6	39	56
Westminster	51	32	28	-	-		46	87
Regents Park	49	33	24	-	-		54	78
Camden Square	51	34	26	-	-	*	*	87
Kensington	51	31	23	-	-		72	76
Hampstead	50	32	25	-	-		*	80

Page 1 BRITISH SECTION

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

SECRET

Thursday 11th March 1943.

No. 29694

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

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)	20·6	-20	SW'W	3	zo	49	55	33	6	-	1	6	0	9	-
	Croydon	21·6	-18	SW'W	3	c	51	45	31	7	-	-	6	0	9	-
	S. Farnborough	21·0	-20	SW	3	cbc	52	45	33	7	-	4	4	0	7·8	-
	Boscombe Down	22·0	-14	WSW	3	c	49	65	39	8	5	7	-	7·8	10	4000
	Thorney Island	21·6	-16	SW'S	2	c	50	55	33	7	-	-	2	0	9	-
	Lympne	21·3	-18	SSW	1	zo	49	65	38	5	-	-	6	0	7·8	-
	Manston	21·1	-18	WSW	2	zo	52	35	26	6	-	-	6	0	9	-
2	Shoeburyness	20·9	-18	WSW	3	zo	52	45	33	6	-	-	2	0	4-6	-
	Felixstowe	20·9	-16	SSW	4	zo	50	65	39	5	-	-	8	0	7·8	-
	Gorleston	19·2	-18	SW	4	cbc	52	45	32	7	-	7	-	0	7·8	-
	Mildenhall	18·7	-26	SW'W	4	c	55	55	38	8	-	4	6	0	9+	-
	Cranwell	17·3	-6	WSW	5	zo	53	75	44	6	5	3	9	7·8	9+	5000
3	Birmingham	18·7	-12	WSW	3	c	51	75	43	7	5	7	-	4-6	9+	4000
	Upper Heyford	20·3	-18	SW'W	3	zo	52	75	42	6	1	3	2	4-6	4-6	2500
4	Ross-on-Wye	19·4	-20	SW	3	bc	55	65	45	8	5	4	-	2-3	4-6	3000
5	Hartland Point	21·3	-14	WSW	4	ido	46	97	46	4	5	2	-	9+	10	800
	Bristol	21·7	-14	W	4	c	49	85	46	7	5	-	-	10	10	1500
	Portland Bill	22·3	-24	WSW	4	c	47	85	43	8	5	4	-	7·8	10	4000
	Plymouth	23·3	-14	SW	3	c	49	85	43	7	5	7	-	7·8	9+	4000
	The Lizard	23·6	-8	WSW	3	c	49	85	45	8	5	-	-	9+	9+	2000
	Scilly (St. Mary's)	23·5	-10	W	3	ido	50	92	47	7	5	-	-	10	10	1000
	Guernsey															
6	Pembroke	20·5	-18	WSW	4	c	49	97	48	7	5	-	-	7·8	10	2500
7	Holyhead (Valley)	17·3	-14	SW'S	5	c	51	85	47	8	5	-	-	9+	9+	2500
	Chester (Sealand)	17·7	-4	SW	3	cbc	55	75	47	8	5	-	-	7·8	7·8	1800
8	Manchester	17·2	-14	WSW	5	c	52	85	47	8	5	-	-	9+	10	2500
10	Spurn Head	16·3	-18	WSW	4	zo	52	65	42	6	7	3	5	4-6	7·8	2500
	Catterick			WSW	4	c	50	75	44	8	5	7	1	9	10	1200
	Tynemouth	11·5	-24	WSW	6	cq	52	75	44	6	8	2	-	7·8	9	2200
11	St. Abbs Head	06·7	-22	SW	6	cbc	51	92	49	7	5	4	-	7·8	7·8	2500
	Leuchars	05·0	-14	SW	7	c	50	75	44	7	5	2	-	7·8	9+	1500
12	Renfrew (Abbots I.)	09·0	-16	SSW	5	iro	50	85	45	6	5	-	-	7·8	10	1000
	Eskdalemuir	10·5	-20	WSW	5	c	47	75	40	8	5	-	-	10	10	1800
	Point of Ayre	13·5	-12	W	7	c	54	75	46	8	5	-	5	7·8	9	3500
13A	Tiree	06·2	-10	SW	6	zo	50	97	50	6	5	2	-	4-6	10	800
13B	Stornoway	97·8	-4	WSW	9	bc	49	75	42	8	2	-	-	4-6	4-6	3200
15	Dalwhinnie	03·5	-12	SW	4	rr	45	85	42	6	5	-	-	10	10	2500
	Aberdeen	01·3	-22	SW	5	cbc	54	65	43	8	2	3	8	4-6	7·8	3500
	Wick	97·0	-12	W'N	8	iro	51	75	46	7	5	!	-	7·8	9+	2000
16	Sumburgh	90·2	-14	WSW	8	bc/pr	47	75	41	7	3	6	9	2-3	4-6	2000
17	Blacksod Point	14·1	-16	SW	5	c	50	85	46	7	5	-	-	10	10	1500
18	Malin Head	08·9	-22	WSW	6	dr	50	85	46	7	5	2	-	7·8	10	1500
	Aldergrove	13·6	-14	WSW	4	c	50	75	43	8	5	-	-	10	10	2000
19	Birr Castle	17·5	-12	WSW	3	c	50	75	42	7	6	2	-	7·8	10	1500
20	Valentia Obsy.	20·4	-16	WSW	4	c	51	85	47	8	5	-	-	10	10	2500
	Roches Point	19·6	-16	W'N	3	cbc	52	85	48	8	5	-	-	7·8	7·8	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 10th (39)	13h.–18h. 10th (40)	18h. 10th to 1h. 11th (41)	1h.–7h. 11th (42)
London (Kew)	17·8	-12	WSW	2	zo	48	85	41	6	5	-	-	10	10	2500	1	*	cfxzoy	cbcycmo	cmo	cmo
Croydon	19·4	-8	WSW	3	zo	49	75	41	5	5	-	-	10	10	3000	0	*	cmczoy	cybcycbz	cmo	cmobcmo
S. Farnborough	18·3	-14	WSW	4	c	50	75	41	8	5	-	-	10	10	2500	0	*	cmxcfbcy	cbccyc	cmoidomo	cmocbcczo
Boscombe Down	19·2	-14	SW	3	c	41	85	41	7	5	-	-	10	10	2000	0	*	xcmoc	c	ccidoc	c
Thorney Island	19·3	-12	SSW	3	zo	48	75	39	6	5	-	-	10	10	2500	0	*	bcmoc	czoyczo	omo	cmoc
Lympne	18·8	-12	W'S	2	zo	43	85	37	6	-	-	6	0	7·8	-	0	§3	bcmoxzoc	cbcczo	cbcmobc	ccidoc
Manston	18·7	-6	SSW	3	zo	45	65	33	6	-	-	8	0	9+	-	0	*	cmozoy	czoy	czomo	cmo
Shoeburyness	18·4	-10	WSW	1	cbc	49	65	37	7	-	-	2	0	7·8	-	0	·	cmxcymo	bcmoc		crocmo
Felixstowe	17·0	-20	SW	3	zo	47	65	38	6	-	-	6	0	7·8	-	0	3	cmxczobczo	czoyczo	bcmo	bcmocmo
Gorleston	16·4	-12	SW'W	2	zo	51	65	37	6	-	7	-	0	4-6	-	0	4	bccyz	bczmo	bbczow	czowc
Mildenhall	16·2	-14	SW'W	3	zo	50	75	43	6	-	3	8	0	9	-	0	*	cmoycy	cyzczo	czocmoc	c
Cranwell	14·6	-12	W'S	4	zo	53	75	45	6	5	-	-	9+	9+	2000	0	*	cmoczo	czobcc	bmocmo	c
Birmingham	16·1	-16	WSW	3	o	51	97	50	7	5	-	-	10	10	1500	0	*	c	cbcc	c	cz
Upper Heyford	17·4	-16	SW'S	3	zo	48	92	45	6	5	3	-	7·8	10	800	0	*	cmoxczo	bczocmo	cdodobmo	bcmocmo
Ross-on-Wye	16·8	-10	WSW	3	c	51	85	46	7	5	-	-	10	10	2000	0	*	czobcc	c	cbc	bcc
Hartland Point	18·5	-12	WSW	3	id	47	97	47	6	5	-	-	10	10	800	1	3	dodomc	idof	idmc	ciro
Bristol	18·7	-16	W'S	4	ido	49	92	47	6	5	-	-	9+	9+	800	1	*	cmoc	ccidoc	cdodmocmo	c
Portland Bill	19·7	-8			c		85		8	5	-	-	10	10	4000	1	3	c	c	c	c
Plymouth	20·1	-20	W'S	3	c/d	48	97	48	6	5	-	-	9	10	400	0	2	cmoc	cidomo	cidoirocmo	cmocidomo
The Lizard	20·5	-10	WSW	4	dodo	48	97	48	5	5	-	-	10	10	200	1	3	c	ciddd	cidc	co
Scilly (St. Mary's)	20·3	-16	W	3	cjp	49	97	49	7	8	-	-	9+	9+	1000	1	3	cido	cidoc	ropoc	c
Guernsey																					
Pembroke	17·9	-10	W'S	5	bc	49	92	47	8	8	4	1	4-6	4-6	2500	0	3	c	cbc	bcc	cidomo
Holyhead (Valley)	15·5	-2	SW	4	cbc	49	85	45	8	7	7	-	7·8	7·8	3000	0	3	cbcc	c	c	crororc
Chester (Sealand)	15·2	-6	W	2	c	52	65	42	8	5	-	9	9	9+	1500	0	*	c	c	≐-bc, czo	zoddmo
Manchester	15·2	-6	W'S	4	c	50	75	43	7	5	-	-	9	9	4000	0	*	cmo	c	czomo	ciromo
Spurn Head	13·7	-6	SW'W	4	c	51	75	43	6	8	6	-	4-6	9	1400	0	3	cmo	cmo	cmo	czo
Catterick			W	5	c	49	75	42	8	5	7	-	9+	10	1000	0	*	ciromoc	c	cdodo	cirocmoc
Tynemouth	10·1	-8	W	6	cbcq	52	75	43	7	8	3	-	4-6	7·8	2500	0	3	cmoq	cmoq	cqoir	c
St. Abbs Head	03·6	-16	SW	5	cbc	51	97	50	7	4	7	-	4-6	7·8	3000	0	5	c	bcc	cbcb	cbcb
Leuchars	02·3	-6	SW	7	c/d	51	75	45	7	5	-	3	9	9+	1000	0		cdodomoc	cidoc	cbcbbc	cbcc
Renfrew (Abbots I.)	06·4	-12	WSW	4	c	49	92	47	6	6	2	-	7·8	10	1000	1	*	cmododociro	ccmodoroxo	cbcmororo	prprqmobc
Eskdalemuir	06·8	-4	SW'W	8	dodo	45	92	43	6	-	2	-	10	10	800	1	*	omcdo	cdomo	odoro	cmoprbc
Point of Ayre	11·4	-8	W	6	c	50	85	46	8	5	-	-	9+	9+	2000	0	5	bbc	c	c	irocb
Tiree	05·1	-2	W	5	c	44	92	42	7	5	9	-	4-6	9	1000	1	5	cidmocmoq	cidoiromoc	cproc	cprbc
Stornoway	99·8	+8	WSW	6	bc/phr	37	97	37	8	9	6	4	4-6	4-6	2200	1	4	cddmoiroc	bcphbc	bcbdxph	bcph,psbc
Dalwhinnie	00·3	+2	SW	4	c	41	85	36	8	5	-	6	4-6	9+	2500	1		ocrro	orrc		copsbc
Aberdeen	00·1	+6	W	3	c	54	55	40	8	4	7	7	2-3	9+	3000	0	3	cbc	bcycb	cycbcb	b
Wick	98·4	+14	WSW	4	pr	41	85	35	9	8	3	1	4-6	9	2000	1		cprocroro	bcprocpro	bc	bcps.
Sumburgh	92·1	+6	W	8	pr	41	85	38	8	9	6	-	7·8	9	1500	1	5	ciroprobc	cpro	psprhobc	prorophc
Blacksod Point	10·4	-4	W	5	dodo	48	92	46	7	-	2	-	10	10	1500	1	4	c	d	pr	pr
Malin Head	07·6	0	W	6	dr	47	85	43	7	6	2	-	7·8	10	800	1	5	r	r	r	pr
Aldergrove	10·2	-18	SW	5	c	49	85	45	8	5	-	-	9	10	1000	1	*	c	ccidoc	cdodmobcb	bcprobc
Birr Castle	14·7	-16	WSW	4	c	51	85	47	3	8	2	-	7·8	10	1500	1		d	c		d
Valentia Obsy.	18·1	-10	WSW	4	c	51	85	47	8	5	-	-	10	10	4000	1	4	pr	c	pr	pr
Roches Point	17·3	-10	WNW	3	bc	51	85	47	8	5	-	-	4-6	4-6	2500	1	3	d	c	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 11th March, 1943.

Districts	Forecast
1 S.E. England	Light to moderate westerly wind; veering north to northeast; cloudy with some drizzle or light rain at first; becoming fair to fine by tonight; rather cold; some frost tonight.
2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light to moderate northwest wind; fair apart from scattered coastal showers; rather cold or cold with frost at night except near the southwest coasts.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate northwest winds; considerable bright periods; local wintry showers, chiefly over high ground; cold; with frost at night.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate to fresh northwest winds veering temporarily; wintry showers of hail, sleet or snow; bright intervals; cold with frost at night.
16 Orkneys and Shetlands	As 12-15.
17 N. W. Ireland; 18 N. E. Ireland	As 7-11.
19 S. E. Ireland; 20 S. W. Ireland	Moderate northerly winds; bright periods; a few local showers; rather cold with frost inland at night.

GENERAL INFERENCE

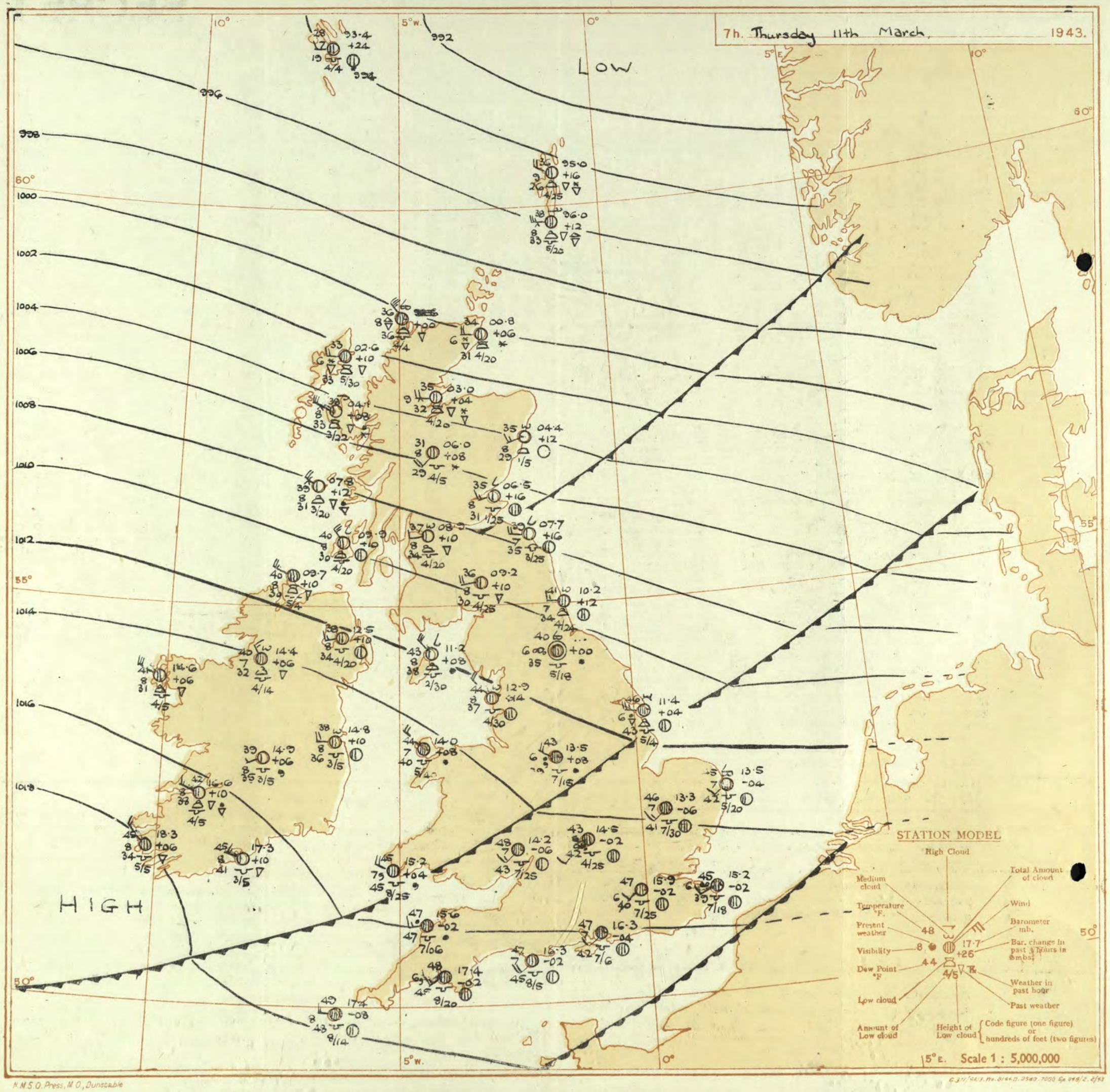
A very shallow trough of relatively low pressure is moving south over Southern England and will cause some drizzle or light rain this afternoon. A ridge of high pressure will move in over the country and weather will become generally fair in the Southern half of the British Isles but in the North there will be occasional wintry showers with bright periods. Conditions will be rather cold or cold with some night frosts.

FURTHER OUTLOOK

Continuing rather unsettled with occasional precipitation in the North. Mainly fair and dry elsewhere but probably very cloudy in the extreme south.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

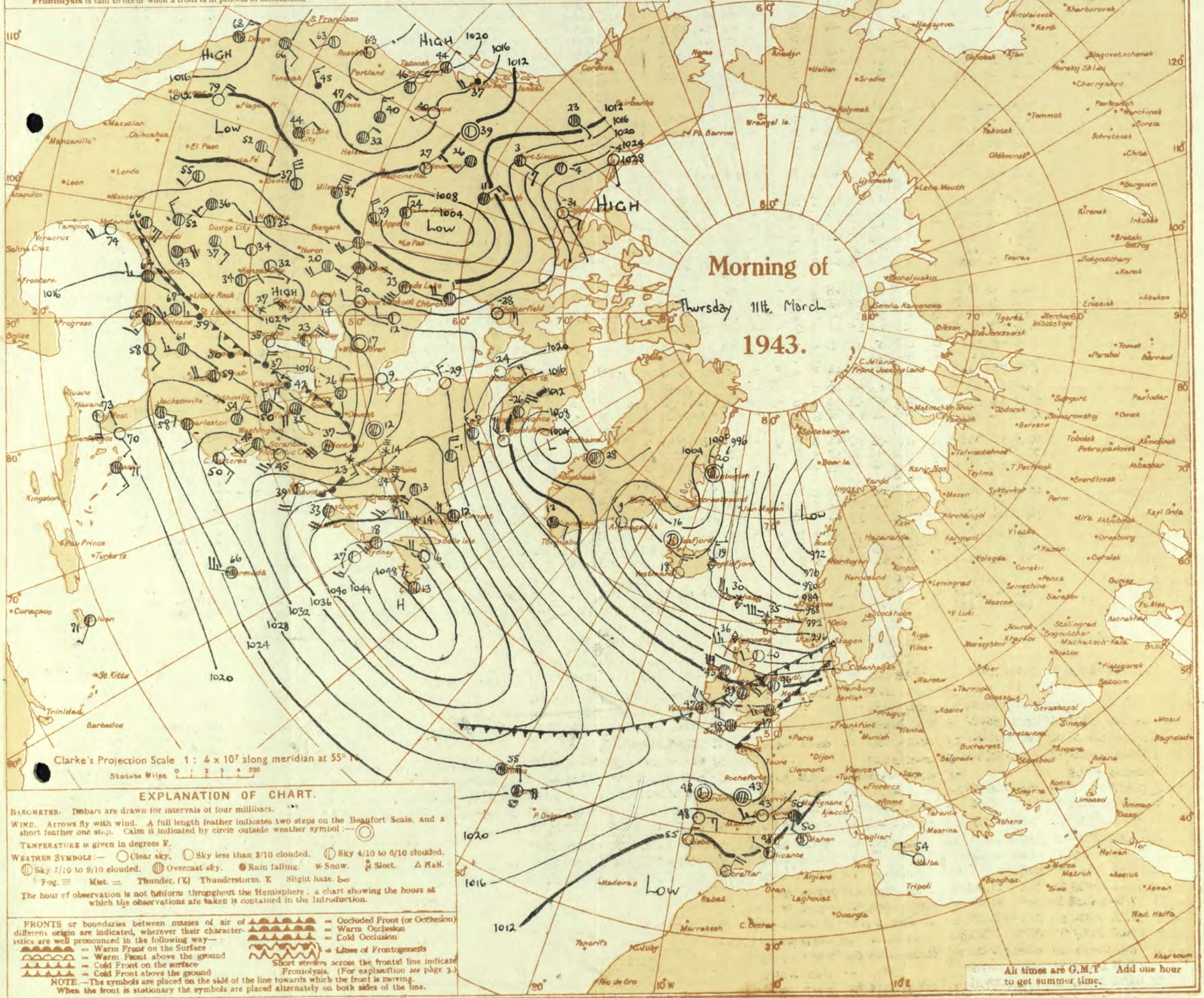
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

BRITISH SECTION

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

Thursday 11th March 1943

No. 29694

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon	290	17·0	−12	WSW	3	Z₀	47	85	43	5	5	–	–	10	10	1400
	S. Farnborough	226	16·1	−12	WSW	3	c/d	46	92	44	6	5	–	–	9+	9+	2400
	Boscombe Down	417	16·9	−10	WS	3	c	45	92	43	7	5	–	–	10	10	2000
	Thorney Island	10	17·0	−12	WSW	2	Z₀	47	92	45	6	5	–	–	10	10	1900
	Lympne	283	16·9	−10	WSW	2	c	44	85	40	7	5	–	–	10	10	1800
	Manston	154	16·2	−14	SW	3	Z₀	44	85	39	6	5	–	–	10	10	1800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14·8	−14	SWS	3	Z₀	43	92	41	6	–	–	8	0	4-6	–
	Gorleston	5	14·9	−6	SW	3	Z₀	43	92	40	6	5	–	–	4-6	4-6	1500
	Mildenhall	15	14·0	−10	SW	3	c	47	92	44	7	5	–	–	7-8	9	2900
	Cranwell	203	12·8	−8	NS	4	Z₀	45	85	41	6	5	–	–	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·5	−10	WSW	3	Z₀	44	97	42	6	5	–	–	4-6	4-6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·4	−14	W	3	c	47	85	42	7	5	–	–	9+	9+	1500
	Bristol	209	17·1	−10	WSW	3	Z₀	46	92	42	7	5	–	–	10	10	2700
	Portland Bill	32	17·1	−10	SW	4	e	48	92	46	7	5	–	–	10	10	2500
	Plymouth	82	18·4	−12	W	3	Z₀	46	97	45	6	5	–	–	10	10	1000
	The Lizard	240	18·7	−8	W	5	c	46	97	46	8	5	–	–	9	10	1000
	Scilly (St. Mary's)	163	19·0	−10	NWW	4	c	48	85	44	8	5	–	–	10	10	800
	Guernsey	175															
6	Pembroke	142	15·9	−12	WS	5	c	48	97	48	8	5	–	–	9+	9+	2500
7	Holyhead (Valley)	32	13·0	−6	SWS	5	c	49	85	45	7	5	–	–	10	10	3100
	Chester (Sealand)	16	12·4	−12	WSW	3	c-bc	50	75	44	6	5	–	–	7-8	7-8	3100
8	Manchester	235	12·4	−12	SW	3	Z₀	47	85	42	6	5	–	–	10	10	2500
10	Spurn Head	29	11·8	−8	SW	4	Z₀	46	85	40	6	7	–	–	7-8	7-8	1500
	Catterick	175			W	4	iro	49			6	5	7	–	9	10	1500
	Tynemouth	108	08·1	+4	W	5	o/r	47	85	44	7	6	–	–	10	10	1500
11	St. Abbs Head	280	04·8	+6	W	5	b	43	92	40	7	5	–	–	1	1	2500
	Leuchars	36	04·2	+8	WSW	4	c	42	65	34	7	5	–	–	4-6	9+	2000
12	Renfrew (Abbots I.)	19	07·1	+4	WSW	4	bc/pr	41	85	38	6	3	–	–	4-6	4-6	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10·3	+8	NWN	6	iro	45	92	43	8	6	7	–	2-3	7-8	1000
13A	Tiree	44	06·3	+10	WNW	5	c/pr	43	85	38	8	9	–	–	9	9	2000
13B	Stornoway	15	01·7	+10	WSW	5	p'hr	36	92	33	7	3	–	–	4-6	4-6	1700
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	02·3	+6	WSW	2	b	40	85	35	9	5	–	–	Tr	Tr	3500
	Wick	114	99·7	+6	SW	4	bc	36	85	32	8	5	–	–	4-6	4-6	2500
16	Sumburgh	19	94·1	+6	WN	7	bc/phr	37	97	36	8	3	6	–	2-3	4-6	2000
17	Blacksod Point	18	13·3	+2	WN	6	c/pr	44	75	37	7	5	–	–	9+	9+	1500
18	Malin Head	84	02·8	+2	WNW	6	b/r	43	75	36	8	6	–	–	7-8	7-8	1500
	Aldergrove	268	11·2	+6	WSW	4	b-bc	42	35	37	8	8	–	–	2-3	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·5	+6	NNW	4	c/d	47	92	45	7	5	–	–	9+	9+	1500
	Roches Point	22	15·8	−10	WSW	4	c	49	92	47	8	8	–	–	9	9	1500

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

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)	15·0	−4	WSW	2	Z₀	46	85	42	6	5	–	–	9+	9+	2500	1	*
Croydon	15·9	−2	SWW	2	c	47	75	40	6	5	–	–	9+	9+	2500	0	*
S. Farnborough	15·2	0	WSW	2	c	46	75	40	8	5	–	–	10	10	6000	0	*
Boscombe Down	16·3	−2	SW	1	c	44	85	41	8	5	–	–	10	10	3000	0	*
Thorney Island	16·3	−4	SW	2	c	47	85	42	7	5	–	–	9+	9+	4000	0	*
Lympne	15·6	−2	W	2	c	44	85	39	8	5	–	–	9+	9+	3500	0	2
Manston	15·2	−2	WSW	2	Z₀	45	85	39	6	5	–	–	9+	9+	1800	0	*
Shoeburyness	15·5	−2	W	2	Z₀	46	85	41	6	5	–	–	10	10	2500	1	*
Felixstowe	13·6	−6	WSW	1	Z₀	43	92	41	5	5	–	–	9+	9+	3700	0	1
Gorleston	13·5	−4	SWW	2	c	45	85	42	7	5	7	–	7-8	10	2000	0	2
Mildenhall	13·3	−6	SWW	3	c	46	85	41	7	5	–	–	9+	9+	3000	0	*
Cranwell	12·5	+6	WS	4	c	47	85	43	7	5	7	–	9	10	2500	0	*
Birmingham	13·4	−2	SW	3	Z₀	46	92	44	6	5	–	–	10	10	800	0	*
Upper Heyford	14·5	−2	SWW	2	Z₀	43	97	42	6	5	–	–	4-6	7-8	2500	0	*
Ross-on-Wye	14·2	−6	SW	3	c	48	85	43	7	5	–	·	9+	9+	2500	0	*
Hartland Point	15·6	−2	W	3	iro	47	97	47	6	5	–	–	9+	9+	600	1	
Bristol	16·0	−2	W	3	Z₀	47	92	46	6	5	–	–	10	10	1500	1	
Portland Bill	16·9	−2	SW	4	o	47	92	45	7	5	–	–	10	10	2500	1	3
Plymouth	17·4	−2	WSW	3	ido	48	85	45	6	5	–	–	10	10	2000	1	2
The Lizard	17·8	−4	WNW	3	o	48	97	48	8	5	–	–	10	10	1500	0	3
Scilly (St. Mary's)	17·4	−8	W	3	o	49	92	48	8	5	–	–	10	10	1400	1	3
Guernsey																	
Pembroke	15·2	+4	WN	4	ido	45	97	45	7	5	–	–	10	10	2500	1	3
Holyhead (Valley)	14·0	+8	NW	4	c	44	85	40	7	5	–	–	7-8	9+	4000	1	4
Chester (Sealand)	13·6	+14	WNW	2	c	45	75	38	8	5	7	8	7-8	9	2000	1	*
Manchester	13·1	+10	W	4	Z₀	44	85	41	6	5	7	–	7-8	9	1500	1	*
Spurn Head	11·4	+4	W	5	pr	46	85	43	6	8	6	–	7-8	9	1500	0	4
Catterick			–	0	Z₀	40	85	35	6	5	7	–	7-8	7-8	1800	0	*
Tynemouth	10·2	+12	W	3	c-bc	41	75	34	7	2	3	–	4-6	7-8	2400	1	3
St. Abbs Head	07·7	+16	W	4	b-bc	39	85	35	7	4	4	–	2-3	2-3	2500	0	4
Leuchars	06·5	+16	WSW	3	b-bc	35	85	31	8	5	4	–	Tr	2-3	2500	0	*
Renfrew (Abbots I.)	08·9	+10	WSW	2	bc	37	85	34	8	8	3	–	4-6	4-6	2000	1	*
Eskdalemuir	09·2	+10	WS	4	bc	36	85	30	8	5	–	–	4-6	4-6	2500	1	*
Point of Ayre	11·2	+8	NW	6	b-bc	43	85	38	8	8	4	–	1	2-3	3000	1	
Tiree	07·8	+12	WNW	5	bc/pr	39	75	31	8	2	6	–	2-3	2-3	2000	1	5
Stornoway	02·6	+10	W	4	ps	33	97	33	6	3	–	–	7-8	7-8	3000	4	4
Dalwhinnie	06·0	+8	SW	4	bc	31	85	29	8	5	–	–	4-6	4-6	2500	7	*
Aberdeen †	04·4	+12	SWW	3	b	35	85	28	8	1	3	–	Tr	Tr	2500	0	2
Wick	00·8	+6	W	4	pso/c-bc	34	85	31	6	3	–	–	4-6	4-6	2000	4	*
Sumburgh	96·0	+12	W	5	c-bc/ph	38	85	33	8	8	–	2	7-8	7-8	2000	1	4
Blacksod Point	04·6	+6	NWW	6	bc	41	65	31	8	8	–	–	4-6	4-6	2500	1	5
Malin Head	09·7	+10	WNW	5	c-bc	40	65	30	8	9	–	–	7-8	7-8	1500	1	4
Aldergrove	12·5	+10	WS	3	bc	38	85	34	8	5	–	–	4-6	4-6	2000	1	*
Birr Castle	14·9	+6	WSW	1	b-bc	39	85	35	8	5	–	–	2-3	2-3	2500	1	*
Valentia Obsy.	18·3	+6	NWN	3	c-bc	45	65	34	8	8	–	–	7-8	7-8	2500	1	3
Roches Point	17·3	+10	WNW	3	b-bc	45	85	41	8	5	–	–	2-3	2-3	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)	Rainfall Night 18h–7h mm. (37)	Sunshine 10th Hrs. (38)
London (Kew)	52	45	43	–	–	4·4
Croydon	55	44	41	–	–	7·0
S. Farnborough	55	45	36	–	–	5·2
Boscombe Down	50	43	42	–	Tr	1·7
Thorney Island	52	49	43	–	–	*
Lympne	50	40	36	–	Tr	8·5
Manston	53	39	36	–	–	7·6
Shoeburyness	54	42	32	–	Tr	5·5
Felixstowe	52	41	35	–	–	7·2
Gorleston	54	42	35		–	4·[illegible]
Mildenhall	56	42	37	–	–	5·8
Cranwell	56	53	39	–	–	3·1
Birmingham	53	44	39	–	–	1·4
Upper Heyford	53	42		–	Tr	*
Ross-on-Wye	57	45	39	–	–	4·3
Hartland Point	48	46	45	0·2	0·2	0·0
Bristol	52	45	43	Tr	–	0·1
Portland Bill	47	44		–	–	
Plymouth	49	46	43	Tr	0·5	0·8
The Lizard	50	45	*	Tr	0·5	0·1
Scilly (St. Mary's)	52	47	*	Tr	1	0·3
Guernsey						
Pembroke	50	44		Tr	Tr	3·0
Holyhead (Valley)	53	43	40	–	1	
Chester (Sealand)	55	45	41	–	0·2	3·1
Manchester	52	43	38	–	Tr	*
Spurn Head	54	44		–	–	5·0
Catterick	*	40	34	–	Tr	0·2
Tynemouth	54	41	37	–	2	*
St. Abbs Head	54	39		–	–	
Leuchars	55	35	29	Tr	–	1·8
Renfrew (Abbots I.)	51	36	33	3	2	0·6
Eskdalemuir	49	35	32	1	2	0·4
Point of Ayre	55	42	*	–	0·2	3·3
Tiree	50	35	33	3	1	
Stornoway	51	32	31	4	7	*
Dalwhinnie	49	31	29	9	3	0·9
Aberdeen †	60	35	31		–	4·2
Wick	55	31	29	Tr	1	*
Sumburgh	48	35	31	1	3	1·8
Blacksod Point	52	40	*	0·4	0·4	*
Malin Head	51	38		1	2	0·0
Aldergrove	50	37	33	Tr	1	0·0
Birr Castle	51	39	35	0·3	0·2	0·0
Valentia Obsy.	53	44	41	0·3	0·4	0·6
Roches Point	53	45	*	Tr	0·6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 11th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	80	02655	55985	93	25744	56785	5-	88758	25588	9-	81755	56485
115							52	88735	95788	87	88844	95787
203				50	22187	24854	50	01954	24514			
206	9-	62748	53667	96	82846	55687	30	25853	24583	30	26954	57484
210	26	02964	53726	86	02844	22466	27	81843	23484	20	01862	54482
219	86	22754	22665	36	01853	23784	36	25852	58783			
230	5-	54538	51558				37	25744	53485	97	26853	20384
245	5-	02857	54627	84	25955	56486	54	01851	23312	54	01951	22301
260	59	02745	55628	5-	52746	55716	50	08453	53623	5-	01754	30214
278	5-	02845	55527	53	51837	21427	5-	02756	24466	8-	10846	25586
279	54	02955	21727	5-	22848	21668	50	22764	24564	80	01853	23423
285	27	01744	24525	5-	05638	24528				2-	02746	24426
288	59	02846	52567	5-	02854	55517	52	61746	51428	77	02864	25226
575	57	02845	51428	52	52735	20358	50	01744	18354	83	25744	28385
301	52	02734	23428	5-	02857	22427	5-	02858	23588	53	01864	28424
321	5-	05656	20426	50	05645	22425	50	05661	20324	5-	62646	26466
[illegible]	5-	05657	24417	54	02754	22515	50	02754	24414	84	02744	24315
292	52	51746	22458	53	02845	22426	5-	22658	22368	50	01853	24263
310	--	02628	24428	--	01636	24416				--	25628	24488
614	57	02756	22327	59	05644	22425	5-	05558	22228	52	52545	28258

III	13h. G.M.T. 10th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 11th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	5-	02748	18428	5-	02744	17327	5-	02754	13750	53	02755	26357
334	--	51537	26288	--	02647	28217				--	03637	24328
340	57	02954	24327	5-	02955	22527	57	02854	20317	5-	02748	28368
136	09	02790	21417	54	05655	20318	50	01763	22323	54	05663	21323
336	57	02754	20428							62	62526	28468
350	57	02754	21426	5-	05657	18427	50	05662	22212	54	05663	22314
368	5-	51648	22428	5-	52538	22458	5-	05652	24414	5-	21648	24358
379	5-	02746	20326	57	05635	20428	50	05652	22411	50	05653	22313
390	00	05590	22214	00	08490	22225	00	05590	20220	5-	05557	20228
382	5-	02858	22328	53	02756	21327	50	01762	23322	56	02864	21325
438	54	05663	20214	54	02763	22215				57	02755	24217
430	00	05690	29315	57	05656	22227	5-	05657	22228	5-	05657	20127
409	5-	52628	21358	5-	08208	23358	5-	02758	23358	52	51606	23358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 11th March
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	cfxz₀y	cbeycm₀	cm₀
Croydon	cmoz₀ybz	cm₀	cm₀bcm
Greenwich	bbcy₀	by	cm₀
Camden Square	c	c	*
Kensington	bc	c	*
Hampstead	b	bc	

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·8
Min. <0·1 Time 0–6h 11th

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	52	45	43	–	–	4·4	*	*
Croydon	55	44	41	–	–	7·0	*	*
Greenwich	55	45	38	–	–	5·2	49	72
Westminster	56	38	37	–	–		55	76
Regents Park	54	41	41	–	–		61	76
Camden Square	55	40	33	–	–	*	*	74
Kensington	56	46	42	–	–		73	82
Hampstead	55	44	38	–	–		*	[illegible]

SECRET

BRITISH SECTION

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

Friday 12th March 1943.

No. 29695

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

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)	15·9	+4	N'W	2	Zo	49	85	44	6	5	3	-	9+	10	2500
	Croydon	16·4	+2	W/N	3	Zo	53	75	44	6	8	-	-	4-6	10	2000
	S. Farnborough	15·9	+2	W'N	3	dd	54	65	43	6	5	-	-	10	10	2200
	Boscombe Down	16·7	+2	NW	3	ido	50	92	46	7	5	-	-	10	10	800
	Thorney Island	16·4	-4	SW'S	2	bc	56	65	44	8	5	-	-	4-6	4-6	2500
	Lympne	15·8	-2	W'N	2	c	54	65	41	8	5	-	-	10	10	3800
	Manston	15·2	0	WNW	2	c	54	65	43	7	5	-	-	10	10	2000
2	Shoeburyness	16·1	+2	NW	3	iro	51	85	46	6	3	2	-	7-8	10	2500
	Felixstowe	15·7	+12	NW	3	Zo	51	85	46	6	5	-	-	10	10	4000
	Gorleston	15·3	+14	NW	2	c/pr	50	65	37	7	5	-	-	9+	9+	2100
	Mildenhall	15·1	+4	W'N	3	c	51	75	42	7	7	7	-	9	9+	2500
	Cranwell	14·6	+6	NW	4	Zo	51	45	32	6	7	-	-	7-8	7-8	3000
3	Birmingham	16·2	+8	WNW	3	c	46	75	38	7	6	-	-	9	9	1500
	Upper Heyford	15·8	+6	NNW	2	Zo	49	75	41	6	7	7	-	2-3	9	1800
4	Ross-on-Wye	16·5	+6	NW	3	c-bc	50	55	33	8	4	-	-	7-8	7-8	3500
5	Hartland Point	17·9	+6	NNW	3	bc	46	75	38	8	2	4	-	2-3	4-6	3500
	Bristol	16·8	+6	NNW	2	c-bc	52	75	43	7	8	-	-	7-8	7-8	4000
	Portland Bill	17·1	+6	W	3	o	49	92	47	7	5	-	-	10	10	2800
	Plymouth	18·3	+4	NNW	4	bc	50	75	44	8	7	4	-	2-3	4-6	4000
	The Lizard	18·3	+14	NW	4	c-bc	48	92	46	8	2	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	19·3	+8	N'W	3	c	50	88	44	6	8	7	-	2-3	9	1500
	Guernsey															
6	Pembroke	18·7	+12	NNW	3	bc	48	65	37	8	2	4	-	2-3	4-6	3000
7	Holyhead (Valley)	17·3	+16	W'N	5	c-bc	48	55	33	8	2	5	-	2-3	7-8	2500
	Chester (Sealand)	17·0	+20	WNW	3	bc	47	53	31	8	8	-	-	4-6	4-6	2500
8	Manchester	15·6	+10	W'N	4	bc	46	65	32	8	2	6	-	4-6	4-6	2500
10	Spurn Head	13·8	+8	WNW	5	bc	48	65	36	7	2	6	-	2-3	4-6	2500
	Catterick	*	*	W	3	c-bc	47	55	31	8	8	-	-	7-8	7-8	2000
	Tynemouth	12·4	+10	W	4	bc/pr	43	65	33	7	2	-	-	4-6	4-6	2800
11	St. Abbs Head	09·5	+10	W	4	b-bc	43	65	33	7	1	-	-	2-3	2-3	4000
	Leuchars	09·7	+20	W	4	bc/rs	40	75	33	8	3	-	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	12·6	+18	WNW	5	pso	37	97	36	6	9	-	-	9	9	1400
	Eskdalemuir	11·8	+10	W	5	bc/ph	40	75	32	8	8	8	-	4-6	4-6	2200
	Point of Ayre	15·0	+14	WNW	5	bc	48	65	36	8	4	-	-	4-6	4-6	2000
13A	Tiree	11·7	+22	W'N	5	c/ps	38	92	36	8	8	-	3	7-8	9	1800
13B	Stornoway	06·3	+22	WSW	6	bc/ph	37	92	36	7	3	-	3	2-3	4-6	1500
15	Dalwhinnie	08·0	+20	SW	3	c-bc/ps	35	85	29	8	8	-	-	7-8	7-8	2500
	Aberdeen	07·4	+12	W	6	b-bc	46	83	26	8	1	-	3	2-3	2-3	3800
	Wick	04·1	+20	WSW	5	bc	39	65	29	9	9	-	-	4-6	4-6	2000
16	Sumburgh	99·9	+18	W	6	bc/ph	41	88	35	9	3	-	3	2-3	4-6	2000
17	Blacksod Point	18·3	+14	NW'W	5	c-bc/ps	45	75	37	9	6	-	-	7-8	7-8	2500
18	Malin Head	13·8	+26	WNW	4	bc	42	55	38	8	9	-	-	0	4-6	2500
	Aldergrove	13·8	+18	W'S	3	bc/ph	38	92	35	9	3	-	-	4-6	4-6	2000
19	Birr Castle	18·3	+8	WSW	2	bc	48	44	28	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	21·4	+8	NW'N	5	b	46	55	37	9	2	-	-	1	1	2800
	Roches Point	20·1	+10	NNW	4	pr	45	88	41	8	3	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 11th March — 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. 11th (39)	Weather 13h.–18h. 11th (40)	Weather 18h. 11th to 1h. 12th (41)	Weather 1h.–7h. 12th (42)
London (Kew)	17·4	+12	N'W	2	Zo	49	65	39	5	5	3	-	7-8	10	4000	1	*	cmo	cirobcc	cbcm.	bcbmox
Croydon	17·4	+10	NW'W	2	m	48	75	40	4	5	4	-	Tr	9	4000	0	*	cmocZo	czirocz	czbbcz.y	cz.bm.
S. Farnborough	17·3	+10	NNW	2	Zo	49	75	41	6	-	7	-	0	2-3	-	0	*	cbccidodmo	cdzocbbcz	cbc	bcbmox
Boscombe Down	17·8	+12	NNW	3	bc	49	75	39	8	5	-	-	4-6	4-6	1000	0	*	ccido	cido cbc	bcbbm.	bcmox
Thorney Island	17·0	+14	N'E	2	Zo	50	75	43	6	5	-	-	7-8	7-8	2500	0	*	cmobc	bcido cmo	czoc	cbccz.
Lympne	17·1	+14	N'W	2	ido	47	92	46	5	5	2	-	9+	10	3000	0	2	c	czo	cdrmoc	cbcm.
Manston	16·6	+10	-	0	Zo	47	85	43	6	5	-	-	10	10	1800	0	*	cmoc	cmo	cmo.	cbmo.
Shoeburyness	17·3	+16	NNW	1	Zo	49	75	42	6	5	3	-	7-8	9+	2500	1	*	cmo	cmo		bmobmox
Felixstowe	16·4	+10	NW	2	Zo	49	75	40	6	5	-	-	9+	9+	5700	0	3	cmoccmo	cmoczo	cz.	bmobmox
Gorleston	16·5	+14	NW'W	1	Zo	49	55	34	6	5	-	-	9+	9+	1500	0	2	cpsoc	czo	bcbzo	bccxzo
Mildenhall	17·0	+18	NW	2	c	47	65	35	7	5	4	-	9	9+	3500	0	*	cb,c	c	bxmo	bmobmx
Cranwell	17·3	+22	NW'W	4	b-bc	44	55	27	7	4	-	-	2-3	2-3	4000	0	*	byrob,cmoy	czoby	byzo mo	bmox
Birmingham	18·7	+12	NNW	3	Zo	43	65	33	6	5	-	-	2-3	2-3	4000	0	*	cpr	cb	bbcpr	bcbfx
Upper Heyford	17·4	+14	N	3	c	45	65	35	7	5	-	-	9	9	4000	0	*	bcmocidomo	czoc	cbcb	bmox
Ross-on-Wye	18·6	+14	NNW	2	b	46	55	29	9	5	-	-	1	1	3500	0	*	docbcv	cybcvy	b	bmox
Hartland Point	19·2	+10	NNW	3	bc	48	75	38	8	2	-	-	4-6	4-6	2500	0	4	iroebc	bc	bcbbc	bc
Bristol	19·1	+22	NNW	3	b-bc	47	65	34	7	5	-	-	2-3	2-3	4000	1	*	cidmocidoc	cbc, bccy	bcbzo mox	bbx
Portland Bill	17·9	+10	NW	3	bc	4	85	37	8	5	-	-	4-6	4-6	220	1	3	co	cbc	bc	bcc
Plymouth	19·6	+12	NNE	3	bc	48	75	40	8	7	-	-	4-6	4-6	2500	0	2	cidodddmo	bc	bcbmob	b,c, bbc
The Lizard	19·9	+10	NNW	3	bc	46	75	39	8	1	6	-	4-6	4-6	2500	0	3	cproc	cbc	bcbbc	bcc
Scilly (St. Mary's)	20·3	+10	N	4	bc	46	65	36	8	8	4	-	4-6	4-6	2000	0	3	cidoc	cbc	bc	bcc
Guernsey																					
Pembroke	20·4	+12	NNW	2	b-bc	44	75	35	8	8	4	-	2-3	2-3	3000	0	3	bc	bcprbc	bc	bcx
Holyhead (Valley)	18·9	+14	NW'W	5	b-bc	44	55	29	9	2	7	-	2-3	2-3	3500	1	3	bbc	by	b	bcbx
Chester (Sealand)	18·5	+16	NW	3	bc	43	65	32	8	8	-	9	2-3	4-6	2500	0	*	cdodomo	bcy	bc,bphpro	bmox
Manchester	17·8	+10	W'N	3	bc	41	65	32	7	2	6	-	2-3	4-6	2500	0	*	cmopro	bcprobc	bczobmox	bmoffx
Spurn Head	15·7	+10	W	5	bc	45	65	32	7	2	3	-	2-3	4-6	2500	0	3	bc	bc	b	b
Catterick	*	*	WNW	2	bc	40	65	29	8	4	6	1	2-3	4-6	2000	0	*	cprobc	ccprobc	b	bc
Tynemouth	15·4	+20	W	4	b-bc	39	85	34	7	2	-	-	2-3	2-3	2600	1	3	cbcmopbc	bc	b	bmo
St. Abbs Head	12·0	+14	W	5	b-bc	39	75	32	7	2	-	-	2-3	2-3	3500	0	4	bcb	bcprob	b	b
Leuchars	12·2	+14	W	3	b-bc	40	65	29	8	8	6	-	2-3	2-3	3000	0	*	bcyep	bcbbc	bcb	bbx
Renfrew (Abbots I.)	15·0	+20	W'N	2	c-bc	39	85	35	8	3	4	-	7-8	7-8	1800	1	*	cmophpso	cmopsbccps	bcbbcm,bmo	bmo,bcmox
Eskdalemuir	15·4	+12	W	3	b-bc	35	85	30	8	5	7	-	2-3	2-3	2300	1	*	bcpsoph	cphsbc	bcvb	bx
Point of Ayre	17·4	+18	NW'N	5	c-bcjp	43	75	34	8	9	-	-	7-8	7-8	1500	0	4	bc	bcpro	cb	bbcx
Tiree	14·7	+26	N	5	c-bc	39	75	31	9	3	-	8	2-3	7-8	2200	1	3	bccphcps	cprbc	bcb	bbcphcpHbc
Stornoway	10·8	+32	W	6	b-bc/ps	36	75	28	6	3	-	-	2-3	2-3	1500	1	4	cprcphbc	cpsbc	bcbc	cpshbc
Dalwhinnie	12·4	+20	WSW	3	bc/ps	32	92	29	8	8	-	-	4-6	4-6	2500	7	*	bcpsc	cps	*	cbc
Aberdeen	01·7	+26	WNW	4	bc	41	45	22	8	2	6	3	4-6	4-6	2500	0	3	bby	by	byb	bx
Wick	07·3	+24	SW	3	bc	35	88	28	9	3	-	-	4-6	4-6	2000	1	*	cjpsb	bcpsbcphbc	cpho.prbc	bc
Sumburgh	00·2	-8	WSW	7	c-bc/ps	40	75	33	9	3	-	-	7-8	7-8	2000	1	4	cphpshbc	cprosoc	cpr.prch	bcph.bc
Blacksod Point	20·3	+12	NNW	4	bc	41	65	30	8	9	-	-	4-6	4-6	2500	1	3	s,rs	b	bc	s,rs
Malin Head	16·3	+18	NW	5	bc/pr	40	75	33	8	9	-	1	4-6	4-6	2500	1	5	pr	pr	pr	pr
Aldergrove	18·2	+26	W	3	b-bc	39	65	30	9	3	-	-	2-3	2-3	2500	1	*	bcphbc	bcphrbc	b	bcxbx
Birr Castle	20·4	+14	WNW	1	b-bc	43	55	29	8	5	-	-	2-3	2-3	2500	1	*	bc	b	*	b
Valentia Obsy.	22·3	+6	N'W	4	b-bc	44	65	33	9	2	-	-	2-3	2-3	2500	1	4	pr	b	b	bc
Roches Point	21·1	+10	NNW	4	bc	46	75	39	8	3	-	-	4-6	4-6	1500	1	3	pr	pr	b	b

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light variable breeze; fine; rather mild in afternoon; Keen frost at night.
5 S.W. England, 6 South Wales	Light to moderate east to southeast winds, becoming fresh locally; fair; rather cold.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England	Light variable to southwesterly wind; mainly fine but an increase of cloud tomorrow; rather mild in afternoon. Keen frost at night.
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Light southwest wind, freshening; fair; rather cold; some frost at night.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Winds backing southwest freshening; strong locally on the northwest coast later; bright periods; some rain and hail showers today, with snow showers locally
16 Orkneys and Shetlands, 17 N. W. Ireland	at first; cloudy with some rain later; cold becoming somewhat milder.
18 N. E. Ireland	As 11-12.
19 S. E. Ireland, 20 S. W. Ireland	Wind becoming southeast freshening; fine to fair; apart from chance of coastal showers later; rather cold.

GENERAL INFERENCE

An anticyclone centred over England and the Irish Sea is moving eastnortheast and a deepening depression off Southwest Iceland will move northeast. Weather will continue fine or fair with keen night frost in many parts of England and Wales but there will be further rain and hail showers in West and North Scotland where some more general rain is probable tomorrow.

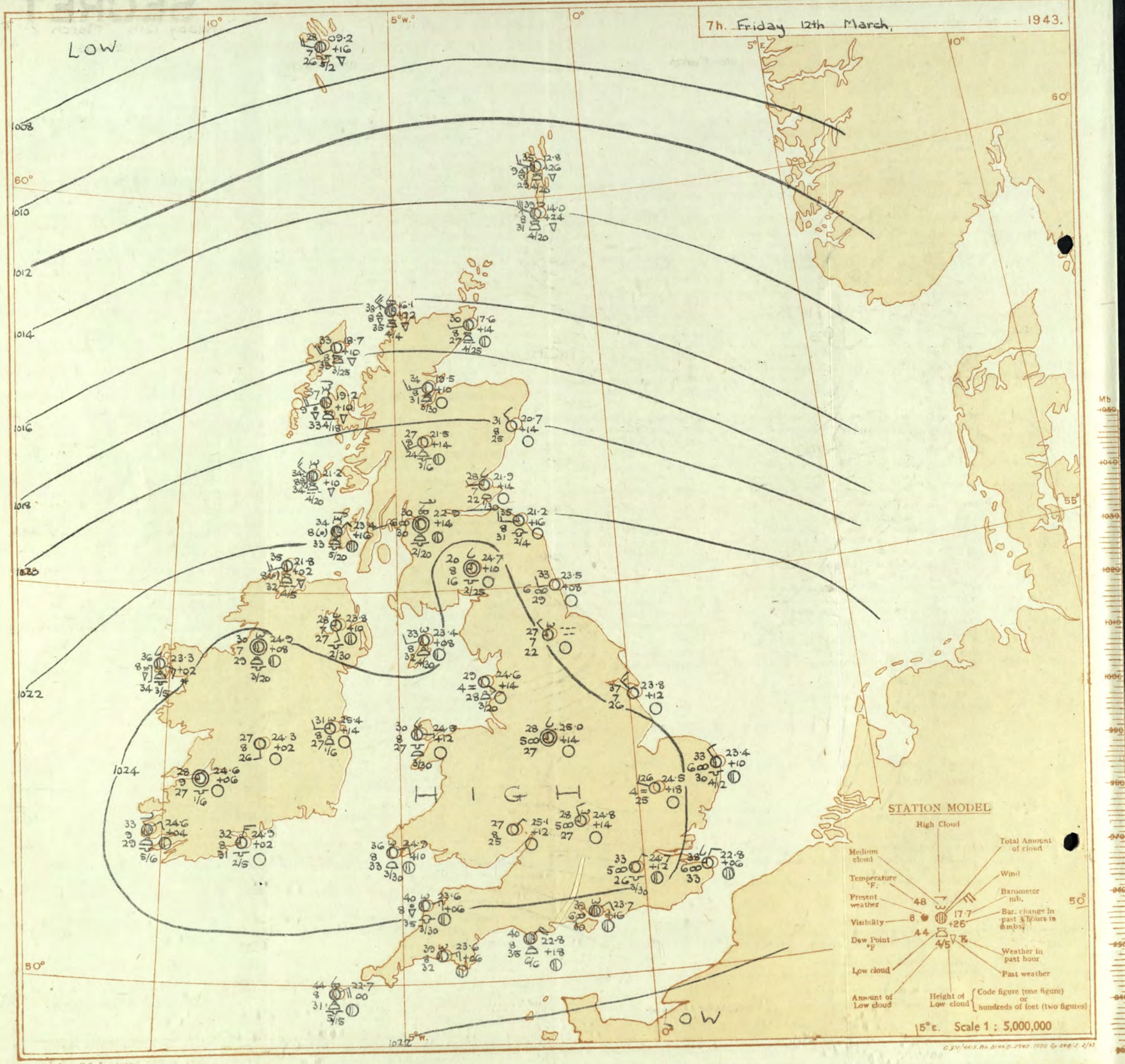
FURTHER OUTLOOK

Rather cold and showery in the North. More cloud in most districts with some light rain in the northwest half of the country.

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. Friday 12th March, 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

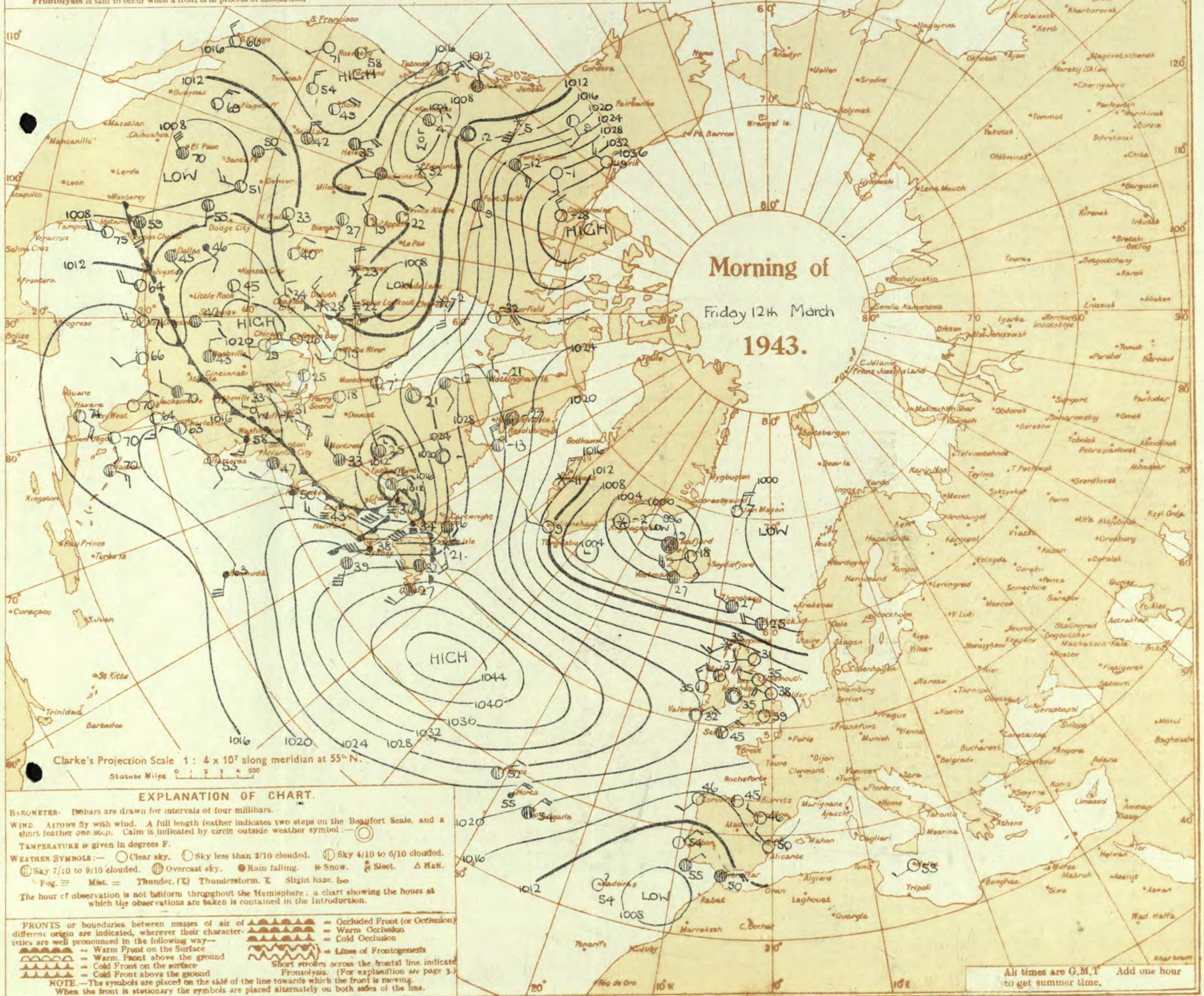
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (K) Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 12th March 1943

No 29695.

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

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	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon	290	22.9	+18	N'E	2	z.	39	75	31	5	-	-	-	0	0	-
	S. Farnborough	226	22.7	+18	N	1	bc	36	75	30	7	5	7	-	2-3	4-6	3000
	Boscombe Down	417	23.1	+16	N	1	z.	34	85	29	6	-	-	-	0	0	-
	Thorney Island	10	21.7	+16	N	2	e	43	55	28	7	5	-	-	10	10	6000
	Lympne	283	21.4	+14	N	3	e	42	65	32	7	5	-	-	10	10	3000
	Manston	154	21.6	+18	N	3	z.	43	55	29	6	5	-	-	10	10	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21.6	+18	NNW	2	z.	40	65	30	6	5	-	-	7-8	7-8	6300
	Gorleston	5	21.4	+24	NW	2	z.	36	75	28	6	-	-	-	0	0	-
	Mildenhall	15	21.9	+8	WNW	2	z.	31	85	28	6	-	-	-	0	0	-
	Cranwell	203	22.5	+22	WNW	2	z.	34	85	30	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.5	+12	NNW	1	b	33	85	30	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22.3	+6	NE	3	b	42	85	36	8	1	-	-	1	1	2500
	Bristol	209	23.4	+10	-	0	b	36	75	30	6	-	-	-	0	0	-
	Portland Bill	32	20.8	+4	N	4	bc	42	85	37	8	5	-	-	4-6	4-6	4000
	Plymouth	82	22.8	+6	E	1	b	39	75	32	8	-	-	-	0	0	-
	The Lizard	240	22.5	+4	NNE	3	bc	39	85	36	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	22.4	0	NE'N	3	bc	45	75	36	8	1	4	3	2-3	4-6	2500
	Guernsey	175															
6	Pembroke	142	23.6	+6	NE'N	2	b-bc	39	85	35	8	8	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	23.1	+12	-	0	b	35	75	30	8	2	-	-	1	1	3000
	Chester (Sealand)	16	22.6	+10	-	0	z.	32	92	30	6	1	-	-	2-3	2-3	2500
8	Manchester	235	22.7	+14	S'E	2	z.	31	92	29	6	5	-	-	1	1	2500
10	Spurn Head	29	21.2	+18	NW'W	4	b	38	85	33	7	-	-	-	0	0	-
	Catterick	175	*	*	WNW	1	b	33	85	28	8	-	-	-	0	0	.
	Tynemouth	108	21.0	+14	W	2	b	35	85	31	6	-	-	-	0	0	-
11	St. Abbs Head	280	18.6	+28	W	4	b	37	85	34	7	5	-	-	1	1	4000
	Leuchars	36	19.4	+26	-	0	b	30	92	27	8	-	7	-	0	Tr	-
12	Renfrew (Abbots I.)	19	20.2	+20	NNE	1	z.	35	85	32	6	2	-	-	1	1	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	21.5	+14	NW	5	b	40	85	36	8	*	*	*	0	0	*
13A	Tiree	44	19.8	+14	W'N	3	b	36	97	35	8	-	6	-	0	Tr	-
13B	Stornoway	15	17.5	+22	SW	3	psl	35	97	34	7	3	-	-	9	9	1300
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	07.7	+30	W	2	b	31	85	26	9	-	-	-	0	0	-
	Wick	114	14.4	+32	WSW	3	b-bc	31	85	27	8	8	-	-	2-3	2-3	2000
16	Sumburgh	19	09.0	+28	WNW	6	phr	38	85	34	8	3	-	3	4-6	4-6	2000
17	Blacksod Point	18	23.1	+6	N'W	3	b-bc	35	85	31	8	5	-	-	2-3	2-3	2500
18	Malin Head	84	20.7	+14	W	1	bc	37	75	30	8	9	-	-	4-6	4-6	2500
	Aldergrove	268	22.8	+14	NE	1	b	31	92	30	7	5	-	-	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24.7	+4	NE'E	2	b	32	85	28	8	1	-	1	Tr	1	2500
	Roches Point	22	24.6	+8	NNE	3	b	38	92	36	8	-	-	-	0	0	-

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

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)	24.8	+18	N'E	1	z.	35	85	30	5	5	-	-	1	1	4000	1	*
Croydon	24.7	+12	NE'N	1	z.	33	85	26	5	5	-	-	2-3	2-3	3000	0	*
S. Farnborough	25.2	+16	-	0	z.	28	92	24	6	-	5	-	0	2-3	-	0	*
Boscombe Down	24.9	+10	N	1	bc	31	85	28	7	-	3	-	0	4-6	-	0	*
Thorney Island	23.7	+16	NE'E	2	z.	39	75	30	6	-	3	-	0	7-8	-	0	*
Lympne	23.7	+16	N	2	z.	37	85	33	6	5	-	-	4-6	4-6	6000	0	§2
Manston	22.8	+6	NNE	2	z.	38	85	33	6	-	4	-	0	1	-	0	*
Shoeburyness	24.1	+12	N	2	b	32	97	30	5	-	-	-	0	0	-	0	*
Felixstowe	23.7	+14	NNW	2	z.	31	92	29	5	-	-	-	0	0	-	0	2
Gorleston	23.4	+10	NW	2	z.	33	92	30	6	5	-	-	4-6	4-6	1200	0	2
Mildenhall	24.5	+18	WNW	2	m	26	97	25	4	-	-	-	0	0	-	0	*
Cranwell	24.6	+12	W	1	z.	28	92	26	5	-	-	-	0	0	-	0	*
Birmingham	25.4	+14	NW	2	bf	31	92	29	2	-	-	-	0	0	-	0	*
Upper Heyford	24.8	+14	N'W	2	z.	28	97	27	5	-	3	-	0	1	-	3	*
Ross-on-Wye	25.1	+12	NE	1	b	27	97	25	8	-	-	-	0	0	-	0	*
Hartland Point	23.6	+6	ENE	3	pr	40	85	35	8	4	3	-	2-3	4-6	3000	0	3
Bristol	25.2	+12	NNW	1	fg	30	92	28	6	-	3	-	0	Tr	-	3	*
Portland Bill	22.8	+18	NE	4	e	40	85	35	8	2	-	-	9	9	4000	1	3
Plymouth	23.6	+6	E'N	3	bc	39	75	32	8	-	3	-	0	4-6	-	0	2
The Lizard	23.0	0	NE	4	e-bc	42	85	37	8	4	5	-	7-8	7-8	2000	0	4
Scilly (St. Mary's)	22.7	0	NE'E	4	e-bc	44	65	31	8	8	7	-	7-8	7-8	1500	0	3
Guernsey																	
Pembroke	24.9	+10	ENE	2	b-bc	36	92	33	8	1	3	-	2-3	2-3	3000	0	2
Holyhead (Valley)	24.5	+12	E	1	bc	30	85	27	8	7	4	-	2-3	4-6	3000	0	1
Chester (Sealand)	24.5	+14	-	0	b-bc	30	92	28	5	5	4	1	1	2-3	3000	3	*
Manchester	28.6	+10	S'E	2	bf	29	97	29	3	-	-	-	0	0	-	0	*
Spurn Head	23.8	+12	NW	3	b	37	75	26	7	-	-	-	0	0	-	0	4
Catterick	*	*	NW	1	b	27	85	22	7	-	3	-	0	Tr	*	0	*
Tynemouth	23.5	+8	WSW	2	z.	33	85	29	6	-	-	-	0	0	-	3	2
St. Abbs Head	21.2	+16	W	3	b	35	85	31	8	4	-	-	1	1	1500	0	3
Leuchars	21.9	+14	W	1	b	28	75	22	7	1	4	*	Tr	1	3000	3	*
Renfrew (Abbots I.)	22.9	+14	-	0	z.	30	92	30	6	8	7	2	1	2-3	2000	3	*
Eskdalemuir	24.7	+10	-	0	b	20	92	16	8	5	4	-	1	1	2500	3	*
Point of Ayre	23.4	+8	WSW	2	bc	33	92	32	8	2	3	-	4-6	4-6	3000	0	3
Tiree	21.2	+10	NW	3	c-bc/phr	34	97	34	8	9	6	-	4-6	7-8	2000	4	2
Stornoway	18.7	+10	SW	4	b-bc	33	97	33	8	3	-	*	2-3	2-3	2500	4	2
Dalwhinnie	21.5	+14	SW	3	b-bc	27	85	24	8	8	-	-	2-3	2-3	4000	8	*
Aberdeen †	20.7	+14	NW	2	b	31	75	25	8	-	-	-	0	0	-	0	2
Wick	17.6	+14	WSW	1	bc	30	85	27	8	9	-	-	4-6	4-6	2500	4	*
Sumburgh	14.0	+24	WNW	6	bc	39	75	31	8	3	-	3	4-6	4-6	2000	4	4
Blacksod Point	23.3	+2	ESE	3	bc/ps	36	92	34	8	8	4	-	2-3	4-6	2500	2	3
Malin Head	21.8	+2	SW'W	3	bc jp	35	85	31	8	9	-	-	4-6	4-6	2500	4	3
Aldergrove	23.8	+10	S'E	1	b	28	97	27	7	5	4	-	1	1	3000	1	*
Birr Castle	24.3	+2	S	1	b	27	97	26	8	-	-	-	0	0	-	1	*
Valentia Obsy.	24.6	+4	NE'E	2	c	33	85	29	9	8	-	1	7-8	9	4000	1	2
Roches Point	24.9	+2	N'E	3	b	32	97	31	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 11th Hrs. (38)
London (Kew)	53	34	15	Tr	-	0.0
Croydon	54	31	13	Tr	-	0.1
S. Farnborough	56	26	14	Tr	-	1.6
Boscombe Down	52	29	20	Tr	Tr	0.8
Thorney Island	57	37	32	Tr	-	*
Lympne	54	37	33	Tr	0.6	0.1
Manston	54	37	35	-	-	0.0
Shoeburyness	55	31	24	Tr	-	1.1
Felixstowe	53	30	26	-	-	0.7
Gorleston	52	32	27	Tr	-	0.8
Mildenhall	52	24	13	-	Tr	1.2
Cranwell	52	24	20	-	-	5.0
Birmingham	49	30	17	0.3	1	2.2
Upper Heyford	50	27	22	Tr	-	*
Ross-on-Wye	53	26	18	Tr	.	4.4
Hartland Point	48	39	37	0.5	-	5.8
Bristol	53	29	18	0.4	-	2.3
Portland Bill	50	37	*	-	-	*
Plymouth	53	38	28	0.6	-	5.7
The Lizard	52	37	*	Tr	-	3.1
Scilly (St. Mary's)	52	43	*	-	Tr	2.7
Guernsey						
Pembroke	49	36	*	0.2	-	7.5
Holyhead (Valley)	49	28	20	-	-	*
Chester (Sealand)	48	29	17	Tr	0.6	5.4
Manchester	48	28	15	Tr	-	*
Spurn Head	48	35	*	-	-	7.5
Catterick	48	25	15	Tr	-	
Tynemouth	46	32	28	0.5	-	*
St. Abbs Head	44	34	*	Tr	-	*
Leuchars	46	27	19	Tr	-	8.9
Renfrew (Abbots I.)	44	30	23	1	-	7.2
Eskdalemuir	42	20	13	1	-	6.9
Point of Ayre	48	32	*	Tr	-	8.0
Tiree	43	30	27	1	1	4.5
Stornoway	41	32	28	4	0.4	1.8
Dalwhinnie	35	25	21	5	-	4.4
Aberdeen †	47	30	25	-	-	10.4
Wick	42	29	25	2	1	*
Sumburgh	42	35	31	2	1	4.0
Blacksod Point	45	34	*	1	2	*
Malin Head	43	(35)		1	2	6.5
Aldergrove	44	27	20	0.6	-	6.6
Birr Castle	49	25	20	-	-	5.1
Valentia Obsy.	47	30	24	Tr	Tr	5.3
Roches Point	49	32	*	0.1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th March ... 18h. G.M.T. / 01h. G.M.T. 12th March ... 07h. G.M.T.

III	$C_L C_M$ (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	3-	83448	23588	30	01853	58683	30	27753	24383	86	02854	22485
115	37	88844	57687				24	02844	61585	37	88844	60587
203							50	01944	24484			
206	36	26863	20384	36	27863	22385	00	00890	24380	20	01863	22303
210				36	27944	21585	36	01851	20401	30	01852	20312
219	36	01954	58784	3-	25853	60583	00	00890	24310	36	81944	22485
230	3-	27964	24485	3-	01963	20484	30	00853	18203	36	02865	06215
245	34	01943	23303	26	01952	24402	00	00990	24300	00	00990	24200
260	30	01763	22513	80	08454	24514	80	00790	20300	50	01761	24201
278	36	27853	23485	36	10854	25424	50	01851	24481	23	01842	21104
279	20	01864	24184	36	01953	24313	20	01852	24212	23	04853	22113
285	23	02855	28586	20	01854	28584						
288	8-	27856	59585	44	01853	25413	00	00790	18200	00	00890	21200
575	3-	88845	63685	36	01853	28384	30	01752	16112	83	01753	00014
301	24	02955	26423	86	02953	26485	00	00790	28110	20	08453	12103
321	86	02755	25427	84	05663	26424	00	05590	26210	00	47390	00000
[illegible]	80	01744	24414	44	01743	24313	00	00790	24300	50	01752	26202
292	00	02855	26385	44	01862	24314	00	00890	24200	00	00890	24100
310	--	01635	24415							--	01633	26313
614	84	02756	26323	44	05665	26325				00	05590	22100

13h. G.M.T. 11th March ..... 18h. G.M.T. / 01h. G.M.T. 12th March ... 07h. G.M.T.

III	$C_L C_M$ (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	23	02863	25415	82	01863	27223	5-	02855	24115	50	04863	30113
334	--	02646	28216	--	01752	28203				--	01652	00013
340	8-	02847	26227	86	01952	28313	00	00790	28200	04	04690	16102
136	5-	02757	26458	50	05664	26425	00	05690	26200	00	08490	26100
336	20	01755	28415	53	01753	28315				53	01752	32313
350	57	02763	28228	40	02764	27226	00	05680	32100	04	05590	28102
368	70	01864	26314	40	00763	30313	00	00790	00000	50	00763	04103
379	8-	05647	26357	44	05664	32324	00	05620	32200	50	0562	32202
390	5-	21666	30357	57	05564	28225	00	05690	30210	00	05590	30200
382	57	05644	02268	5-	05666	01326	00	05630	01100	03	05690	00012
438	5-	02758	20328	5-	51758	28258	5-	05648	02428	5-	02646	02426
430	5-	05653	18325	5-	05656	02226	5-	05656	02326	57	05669	04219
409	77	02854	32457	74	01952	32313	24	01852	03212	57	01872	06214

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12th March
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.	cir.bcc	cbc.mx
Croydon	cm.cz	czir.bbc	y.czbm.
Greenwich	cm.	cor.cm.	cbcbx
Camden Square	c	c	*
Kensington	cbc	c	*
Hampstead	bcp	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew 24 hours ended 7h.
Max. 0.3, Time 6[illegible]
Min. 0.1, Time 2h, 21-24 Hrs.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	34	15	Tr	-	0.0	*	*
Croydon	54	31	13	Tr	-	0.1	*	*
Greenwich	54	33	21	Tr	-	0.1	79	67
Westminster	54	31	31	Tr			81	69
Regents Park	51	34	26	-	-		69	65
Camden Square	53	34	27	-	Tr	*	*	68
Kensington	54	34	26	Tr	-		77	64
Hampstead	51	32	26	Tr	-		*	69

Page 1 BRITISH SECTION

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

SECRET

Saturday 13th March 1943.

No. 29696

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24·2	-8	NE	2	z0	47	45	29	5	-	-	-	0	0	-
	Croydon	24·7	-8	ENE	2	b	48	45	30	6	5	-	-	1	1	4000
	S. Farnborough	24·8	-8	WNW	3	m	48	55	30	4	-	-	-	0	0	-
	Boscombe Down	24·3	-10	ENE	3	b	48	45	27	7	1	3	-	Tr	Tr	4000
	Thorney Island	23·8	-6	NE	1	b	51	45	40	7	1	4	-	Tr	1	2500
	Lympne	24·4	-4	E'N	3	bc	47	65	36	8	1	3	1	4-6	4-6	3000
	Manston	25·6	+6	NE'E	3	b-bc	46	65	33	8	1	4	-	2-3	2-3	2000
2	Shoeburyness	25·0	-2	ENE	3	b-bc	47	65	35	7	1	4	-	1	2-3	4000
	Felixstowe	24·9	-4	ENE	4	b	46	65	36	7	1	4	-	Tr	1	2000
	Gorleston	25·3	0	NE'N	2	b-bc	44	65	34	7	1	-	-	2-3	2-3	2500
	Mildenhall	24·7	-10	-	0	b	48	45	28	8	1	4	-	Tr	Tr	4000
	Cranwell	25·0	-8	-	0	z0	49	45	28	6	1	-	-	Tr	Tr	3000
3	Birmingham	25·0	0	WNW	2	z0	44	55	30	5	1	-	1	1	1	4000
	Upper Heyford	24·5	-10	E'N	3	b-bc	48	45	27	7	1	-	9	Tr	2-3	4000
4	Ross-on-Wye	24·5	-8	E'N	2	bc	46	45	27	8	1	5	-	Tr	4-6	4000
5	Hartland Point	23·7	-6	N	2	bc	46	65	35	8	-	4	-	0	4-6	-
	Bristol	25·0	-6	SE	2	b-bc	48	55	30	8	1	3	-	Tr	2-3	4000
	Portland Bill	23·3	-6	E	4	bc	47	85	43	8	2	-	-	4-6	4-6	4000
	Plymouth	23·9	-2	E	3	c	46	65	35	8	5	4	-	7-8	9	5000
	The Lizard	23·2	6	E	5	bc	47	75	40	8	5	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	23·3	-2	NE'E	3	c-bc	51	75	43	8	8	4	-	2-3	7-8	1800
	Guernsey															
6	Pembroke	25·1	+4	SE'E	2	bc	47	65	34	8	2	4	5	2-3	4-6	3000
7	Holyhead (Valley)	24·9	-4	SSW	2	b	47	55	32	9	1	-	-	1	1	4500
	Chester (Sealand)	25·1	-2	-	0	bc	51	55	35	7	1	-	*	4-6	4-6	2500
8	Manchester	24·8	-10	SW	2	b-bc	49	45	27	8	1	6	-	2-3	2-3	4000
10	Spurn Head	25·5	+2	ESE	2	bc	43	65	31	7	2	3	-	2-3	4-6	4000
192	Catterick (Sc)	*	*	W	1	c-bc	45	75	37	8	1	-	-	7-8	7-8	3000
	Tynemouth	24·7	+2	W	3	b-bc	45	55	31	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	22·5	-8	-	0	bc	40	85	35	8	5	4	-	4-6	4-6	4000
	Leuchars	22·1	-8	WSW	4	bc	47	45	26	7	8	-	3	4-6	4-6	2500
12	Renfrew (Abbots I.)	22·7	-10	SW'S	4	bc	46	65	36	8	8	-	-	4-6	4-6	2500
	Eskdalemuir	23·4	-4	SW'S	3	bc	41	63	29	8	8	-	-	4-6	4-6	2500
	Point of Ayre	24·7	0	WNW	3	bc	45	65	32	8	2	-	-	4-6	4-6	3000
13A	Tiree	20·6	-8	S'W	3	c-bc	39	92	36	9	9	-	-	7-8	7-8	2000
13B	Stornoway	17·1	-16	SSW	6	bc	41	85	36	8	3	-	3	4-6	4-6	2000
15	Dalwhinnie	21·0	+2	SW	3	b-bc	38	75	30	8	8	3	-	2-3	2-3	4000
	Aberdeen	21·2	-4	SSE	3	bc	45	45	27	7	2	-	3	1	4-6	4000
	Wick	19·3	+2	SW	3	bc	44	65	33	9	2	4	9	2-3	4-6	2500
16	Sumburgh	16·8	+2	SSW	3	c-bc	42	92	39	8	3	6	3	4-6	7-8	2000
17	Blacksod Point	22·6	-6	SW	5	c-bc/ph	42	75	34	8	9	-	-	7-8	7-8	2500
18	Malin Head	21·7	-10	SSW	3	b-bc	44	53	30	8	8	-	-	2-3	2-3	2500
	Aldergrove	23·4	-8	SSW	3	b-bc	46	45	29	9	2	-	-	2-3	2-3	2500
19	Birr Castle	24·2	-10	WSW	2	b-bc	46	55	32	9	2	4	1	4-6	4-6	4000
20	Valentia Obsy.	24·8	-2	SSW	2	c	46	55	31	9	8	-	-	9+	9+	2500
	Roches Point	25·2	-4	SE	2	bc	46	85	41	8	2	4	*	2-3	4-6	2500

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

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)	24·1	+8	E'S	2	z0	45	55	29	5	-	9	9	0	9	-	1	*
Croydon	24·2	+4	E'S	2	z0	44	55	29	6	-	4	9	0	7-8	-	0	*
S. Farnborough	23·5	+2	E'N	2	z0	46	53	29	5	-	7	9	0	7-8	-	0	*
Boscombe Down	23·6	+2	NE	2	z0	45	45	27	6	-	5	-	0	9+	-	0	*
Thorney Island	23·1	+2	E	1	bc	45	75	39	7	-	4	9	0	4-6	-	0	*
Lympne	24·1	+2	NE	2	b	41	75	34	7	4	3	1	Tr	1	3000	0	3
Manston	24·4	+2	ENE	3	bc	43	75	35	8	1	-	2	2-3	4-6	1800	0	*
Shoeburyness	24·3	+2	E	3	bc	43	85	30	7	1	4	-	Tr	4-6	4000	1	*
Felixstowe	24·7	+2	ENE	4	b-bc	42	75	35	8	-	5	9	0	2-3	-	0	3
Gorleston	25·3	0	NE	2	b	42	75	35	7	-	-	-	0	0	-	0	3
Mildenhall	24·4	-2	E'N	3	b	45	55	29	8	-	4	-	0	1	-	0	*
Cranwell	24·4	-2	-	0	bc	41	75	33	7	-	3	-	0	4-6	-	0	*
Birmingham	24·5	-2	NW	1	z0	42	55	28	5	-	3	-	0	9+	-	0	*
Upper Heyford	24·0	0	NE'E	1	c-bc	44	65	31	7	-	3	-	0	7-8	-	0	*
Ross-on-Wye	23·6	-4	NNE	2	c	45	45	25	8	-	5	-	0	9	-	1	*
Hartland Point	22·9	0	NE	3	c	45	55	31	8	4	7	-	4-6	9+	3000	0	3
Bristol	24·0	-2	ESE	2	z0	44	65	33	6	-	3	-	0	7-8	-	1	*
Portland Bill	22·3	-4	E	4	c	46	97	44	8	5	4	-	7-8	10	1500	1	4
Plymouth	23·0	-2	E	2	c-bc	46	63	34	7	-	3	-	0	7-8	-	0	1
The Lizard	22·5	0	E	2	c-bc	46	75	39	8	5	3	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	22·7	+2	NNE	3	c	46	75	37	7	5	3	2	4-6	9	1800	0	3
Guernsey																	
Pembroke	24·6	0	NW'W	1	c-bc	44	75	35	8	2	7	-	4-6	7-8	3000	0	2
Holyhead (Valley)	24·1	-2	SW	1	c-bc	42	65	32	9	4	7	9	Tr	7-8	4000	0	1
Chester (Sealand)	24·1	-2	W	1	bc	42	75	35	7	5	3	6	2-3	4-6	3000	0	*
Manchester	24·0	0	SSW	2	bc	43	45	26	7	1	4	-	1	4-6	4000	0	*
Spurn Head	24·6	-4	SE'S	2	bc	41	75	33	7	7	3	-	4-6	4-6	4000	0	3
Catterick (Sc)	*	*	WSW	1	bc	41	56	25	8	4	-	6	2-3	4-6	3000	0	*
Tynemouth	23·9	0	SE	3	c-bc	41	75	32	7	8	-	-	7-8	7-8	2500	0	2
St. Abbs Head	21·6	0	SW	3	bc	40	75	32	7	5	7	-	4-6	4-6	3500	0	2
Leuchars	20·4	-14	SW	3	b	42	55	28	7	8	6	-	Tr	Tr	3000	0	*
Renfrew (Abbots I.)	21·3	-6	WSW	2	pr	42	75	34	7	8	6	3	7-8	7-8	2500	1	*
Eskdalemuir	22·8	-2	SW	3	bc	37	63	27	8	5	7	1	2-3	4-6	2700	1	*
Point of Ayre	23·4	-4	W'S	3	b-bc	42	65	32	8	4	-	4	1	2-3	3000	0	2
Tiree	18·4	-14	SSW	4	bc/ph	40	85	35	9	3	6	3	2-3	4-6	2500	1	4
Stornoway	14·5	-12	SSW	6	c/pr	39	97	38	7	9	4	3	7-8	9	1500	1	5
Dalwhinnie	19·0	-14	SW	3	bc	34	85	29	8	5	-	-	4-6	4-6	2500	7	
Aberdeen	19·9	-2	SSW	3	b	43	45	24	8	4	4	1	Tr	1	4000	0	2
Wick	16·6	-16	SW	3	bc	40	75	31	9	8	7	-	2-3	4-6	2400	0	*
Sumburgh	14·8	-14	SSW	6	bc	42	85	37	8	2	-	5	4-6	4-6	2500	1	3
Blacksod Point	21·6	-4	SW'S	4	bc	44	65	33	8	3	-	3	2-3	4-6	2500	1	3
Malin Head	19·8	-4	SW'S	4	c-bc	41	75	34	8	8	-	-	7-8	7-8	2500	1	3
Aldergrove	22·1	-6	SW'S	3	c-bc	43	55	30	9	8	3	8	4-6	7-8	2000	0	*
Birr Castle	23·3	+4	WSW	2	c	45	55	30	8	5	-	-	9	9	2500	1	*
Valentia Obsy.	24·5	+4	SW'W	2	c	43	75	36	9	2	-	6	4-6	9+	2500	1	2
Roches Point	23·9	-2	SE'S	2	bc	45	85	40	8	5	3	-	2-3	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 12th (39)	13h.—18h. 12th (40)	18h. 12th to 1h. 13th (41)	1h.—7h. 13th (42)
London (Kew)	bmbcczo	b,czoy	cbcmox	bcmoxcm
Croydon	bfbczoy	czoy	cbccmo	cm
S. Farnborough	bmxcbmy	bzbcczoy	bczomo	bcmoxbm
Boscombe Down	xbcmoby	bybcyzo	cbcz.	bczobmobcm
Thorney Island	bcbzoby	bybc	bcmocmo	cmoc
Lympne	bcmozobc	bcbyb	b,cbw	cwmoc
Manston	bcbr	bbc	bccz.	bccmo
Shoeburyness	bczo	bc	bccmo	cmow
Felixstowe	b	bbc	bc	bcmocmow
Gorleston	b	b	bc	bczoc
Mildenhall	bmxby	bcby	bybcx	bccmox
Cranwell	bzoy	bzobybc	bccmox	cmoxbcmox
Birmingham	fbz	bzcz	cbf	bbcf
Upper Heyford	bzoby	bybcy	cczocmo	cmo
Ross-on-Wye	bbcc	bcycy	ccx	cmo
Hartland Point	cbc	bccy	cbcc	c
Bristol	bm,fmmobc	bcyczo	czoczmofx	bcmmox
Portland Bill	cbc	c	bc	co
Plymouth	bcc	c	cbcmocmo	bbcmo
The Lizard	cbc	bcc	cbc	bcc
Scilly (St. Mary's)	c	c	c	c
Guernsey				
Pembroke	bc	c	c	cbcc
Holyhead (Valley)	b	bcyv	cvbcc	bwbcx
Chester (Sealand)	bmoxbcy	bcy	bc,cmom	bmofx
Manchester	bfzoy	bcbbcy	bcyc bczbm	bmbcbmox
Spurn Head	bc	bc	bc	bcmo
Catterick (Sc)	bbc	bccbc	bcbcmo	bcmojfx
Tynemouth	bcmo	bcc	cbcmo	bcmom
St. Abbs Head	bbc	bcposbc	bcb	bbc
Leuchars	bcbcy	bcymoby	bybcmo pro	bbcx
Renfrew (Abbots I.)	bcmobc	bcapro	bcmocprbc	bbcmobc
Eskdalemuir	bfnbc	cbshbc	bx	bcxpsh
Point of Ayre	bc	bccb	c	bbcx
Tiree	bccprc	cphbc	bccprbc	bcprjp
Stornoway	bcjpbc	bccproc	cpr.	cpr.
Dalwhinnie	bc	bcps.		bccpsbc
Aberdeen	bx bbcy	bcyby	bybx	bx
Wick	bc	bc	bc	bc
Sumburgh	cprosbc	c	probcc	bcprcpho
Blacksod Point	pr	bc	pr	c
Malin Head	b	pr	pr	pr
Aldergrove	bxb	bcycyc	bcb	bxbcx
Birr Castle	b	bc		c
Valentia Obsy.	c	pr	pr	b
Roches Point	b.	bc	c	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Winds light variable or easterly; fair or fine; mainly rather cold with some night frost.
5 S.W. England; 6 South Wales	Moderate easterly wind, fresh at times on the coast; fair apart from a few scattered coastal showers; rather cold.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Light westerly to variable winds; fair; rather cold with some night frost.
12 S.W. Scotland & Isle of Man	Light to moderate west to southwest winds; variable cloud with some rain and hail showers; cold.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh southwest winds, probably strong at times on coast; cloudy; some occasional wintry precipitation chiefly in the form of showers; cold.
16 Orkneys and Shetlands	As 13A-15.
17 N. W. Ireland; 18 N. E. Ireland	As 12.
19 S. E. Ireland; 20 S. W. Ireland	As 6-11.

GENERAL INFERENCE

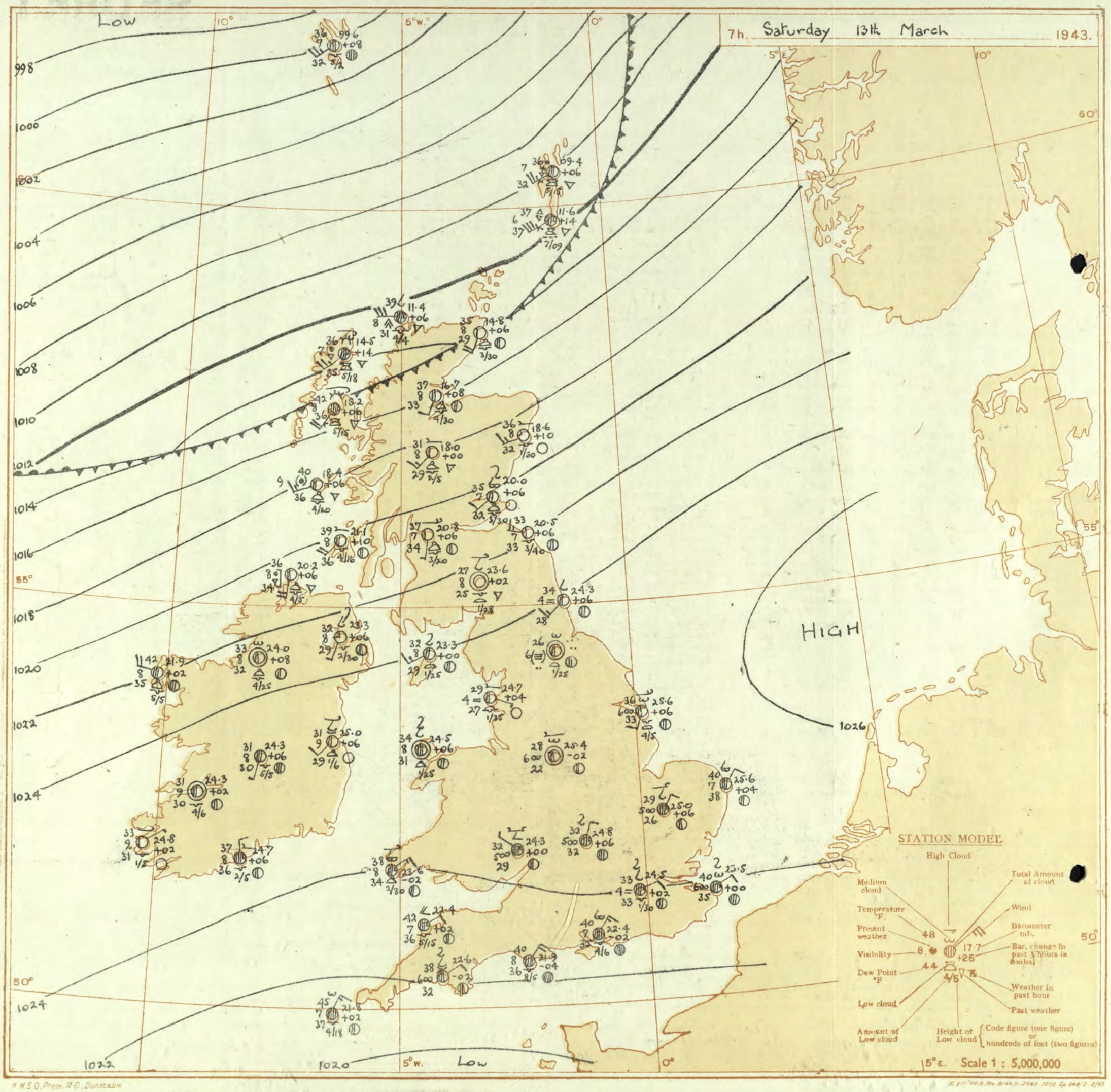
A ridge of high pressure is likely to be maintained across Southern Britain with pressure low in the Icelandic area. Over most of England and Wales fair quiet mainly rather cold weather will continue, but there will be further occasional precipitation of a wintry type in parts of Scotland.

FURTHER OUTLOOK

Little change indicated.

Forecasts issued at 10·30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

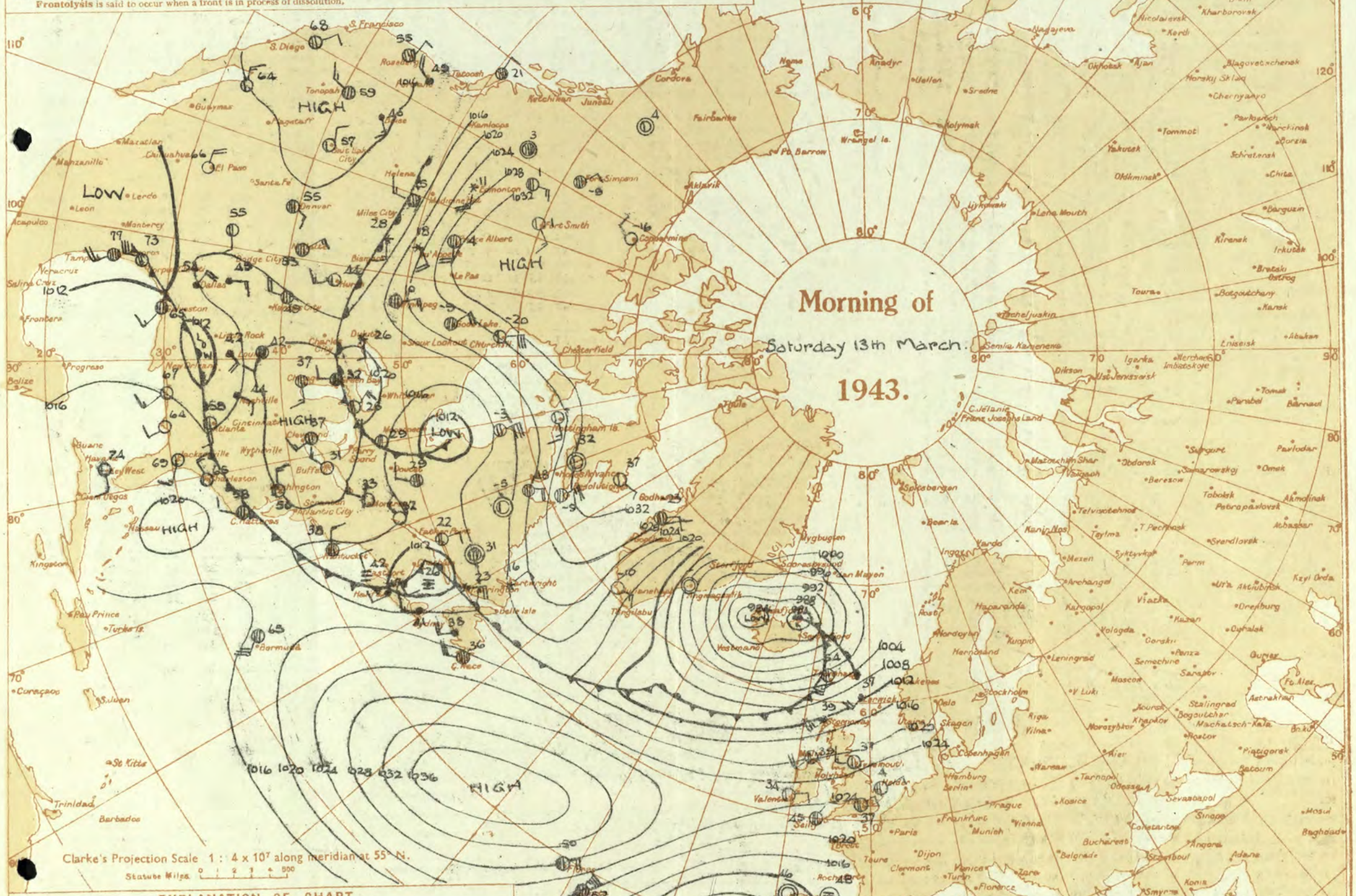
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 13th March 1943

No. 29686

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

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

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	23·8	0	NE'N	3	m	39	85	34	4	-	9	6	0	9+	-	1	*
Croydon ...	24·5	+2	ENE	2	m	33	97	33	4	5	4	6	Tr	9+	3000	0	*
S. Farnborough	23·6	-2	NNE	2	m	36	92	34	4	-	7	-	0	10	-	0	*
Boscombe Down	23·7	-2	NE	3	z_o	32	85	33	6	-	-	6	0	4-6	-	0	*
Thorney Island	22·4	-2	NE	3	c	40	85	35	7	5	7	-	4-6	10	4000	0	*
Lympne ...	23·0	-2	NNE	2	c	38	92	35	7	-	7	7	0	10	-	0	*
Manston ...	23·5	0	ENE	2	z_o	40	85	35	6	-	3	6	0	9	-	0	*
Shoeburyness ...	23·8	-2	NNE	2	z_o	38	97	37	6	-	4	2	0	10	-	0	*
Felixstowe ...	24·1	0	N'E	3	z_o	37	97	36	6	-	7	6	0	9+	-	0	2
Gorleston ...	25·6	+4	NE	2	c-bc	40	92	38	7	-	7	-	0	7-8	-	0	2
Mildenhall ...	25·0	+6	NE'N	2	z_o	29	92	26	5	-	4	3	0	9+	-	0	*
Cranwell ...	25·1	+2	NW'W	1	c-bejf	27	97	26	6	-	9	9	0	7-8	-	0	*
Birmingham ...	25·0	+2	-	0	bef	33	92	31	2	-	7	-	0	4-6	-	0	*
Upper Heyford	24·8	+6	NNE	2	z_o	32	97	32	5	-	-	6	0	9+	-	0	*
Ross-on-Wye	24·3	0	NW	1	z_o	32	85	29	5	-	1	7	0	9+	-	0	*
Hartland Point	22·4	+2	ENE	2	e	42	75	36	7	5	2	-	7-8	9+	1500	0	2
Bristol ...	24·8	+6	-	0	m	35	92	32	4	5	7	-	1	9+	1500	3	*
Portland Bill ...	21·9	-4	NE	4	o	40	92	36	8	5	-	-	10	10	2500	1	4
Plymouth ...	22·6	-2	E'N	2	z_o	38	85	32	6	-	9	6	0	7-8	-	0	1
The Lizard ...	21·6	0	NE	3	c	43	92	40	8	8	2	-	7-8	9+	2000	0	3
Scilly (St. Mary's)	21·8	+2	NE'N	3	c	45	75	37	7	5	3	-	4-6	10	1800	0	3
Pembroke ...	23·6	-2	NE'E	3	e	38	85	34	8	2	7	1	1	9	3000	0	2
Holyhead (Valley)	24·5	+6	-	0	c-bc	34	92	31	8	2	4	6	Tr	7-8	2500	1	1
Chester (Sealand)	24·8	+6	SSE	1	bef-	30	85	28	4	-	-	9	0	4-6	-	3	*
Manchester ...	24·9	+6	-	0	z_o	30	85	25	5	5	-	5	Tr	4-6	2500	3	*
Spurn Head ...	25·6	+6	SSW	2	z_o	36	85	33	6	7	3	2	4-6	4-6	2500	0	3
Catterick (Sc)	*	*	-	0	bejf	26	*	*	6	1	3	2	Tr	4-6	2500	0	*
Tynemouth ...	24·3	+6	SW	3	m	34	85	28	4	-	4	-	0	4-6	-	0	2
St. Abbs Head	20·5	+6	W	3	b-bc	33	97	33	7	5	-	-	2-3	2-3	4000	0	3
Leuchars ...	20·0	+6	WSW	2	bc	35	85	32	7	8	7	6	2-3	4-6	3000	0	*
Renfrew (Abbots L.)	20·8	+6	SSW	1	b-bc	37	85	34	7	8	-	2	2-3	2-3	2000	1	*
Eskdalemuir ...	23·6	+2	-	0	bc	27	92	25	8	7	4	1	Tr	4-6	2800	3	*
Point of Ayre ...	23·3	0	W'S	3	bc	32	85	29	8	1	-	6	Tr	4-6	2500	0	2
Tiree	18·4	+6	W'S	3	bejp	40	85	36	9	8	-	-	4-6	4-6	2000	1	4
Stornoway ...	14·5	+14	SW	5	pr	36	97	35	7	3	6	3	7-8	9	1800	1	3
Dalwhinnie ...	18·0	0	SW	3	b-bc	31	92	29	8	8	-	5	1	2-3	2500	7	*
Aberdeen † ...	18·6	+10	WSW	3	b	36	85	32	8	5	-	5	Tr	Tr	3000	0	2
Wick ...	14·8	+6	SSW	4	b-bc	35	75	29	8	8	-	-	2-3	2-3	3000	0	*
Sumburgh ..	11·6	+14	WSW	7	phr	37	97	37	6	9	-	-	9+	9+	900	1	4
Blacksod Point	21·9	+2	W	4	c-bc	42	75	35	8	8	-	-	7-8	7-8	2500	1	3
Malin Head ...	20·2	+6	S'W	4	bc/pr	36	92	34	8	8	-	-	4-6	4-6	2500	1	3
Aldergrove ...	23·3	+6	SSW	1	b	32	85	29	8	5	4	4	1	1	3000	1	*
Birr Castle ...	24·3	+6	SSW	1	c-bc	31	97	30	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	24·8	+2	E'N	1	b-bc	33	92	31	9	5	-	1	Tr	2-3	2500	3	2
Roches Point	24·7	+6	N	2	c	37	97	36	8	5	-	5	1	9	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 12th Hrs. (38)
London (Kew)	49	38	27	-	-	7·1
Croydon ...	51	33	29	-	-	9·2
S. Farnborough	51	31	21	-	-	7·3
Boscombe Down	49	34	28	-	-	6·3
Thorney Island	53	34	28	-	-	*
Lympne ...	48	34	28	-	-	9·5
Manston ...	47	38	34	-	-	9·6
Shoeburyness ...	47	35	28	-	-	9·3
Felixstowe ...	47	35	31	-	-	9·4
Gorleston ...	46	36	27	-	-	10·2
Mildenhall ...	51	27	23	-	Tr	9·7
Cranwell ...	51	27	20	-	-	8·8
Birmingham ...	46	33	22	-	-	4·2
Upper Heyford	49	32	29	-	-	*
Ross-on-Wye	49	31	26	-	-	7·5
Hartland Point	49	40	39	-	-	4·6
Bristol ...	49	34	27	-	-	5·5
Portland Bill ...	47	39	*	-	-	*
Plymouth ...	51	37	29	-	-	4·0
The Lizard ...	48	40	*		-	4·9
Scilly (St. Mary's)	51	44	*	-	-	2·6
Pembroke ...	48	37	*	-	-	6·5
Holyhead (Valley)	47	32	26	-	Tr	*
Chester (Sealand)	51	30	21	Tr	-	7·7
Manchester ...	49	27	18	-	-	*
Spurn Head ...	45	35	*	-	-	9·4
Catterick (Sc)	49	26	21	-	-	10·1
Tynemouth ...	46	33	29	-	-	*
St. Abbs Head	44	32	*	Tr	-	*
Leuchars ...	48	32	23	-	0·1	9·1
Renfrew (Abbots L.)	46	37	32	0·1	0·1	7·2
Eskdalemuir ...	44	26	19	1	0·5	4·1
Point of Ayre ...	50	31	*	-	-	8·9
Tiree	45	37	32	2	2	6·0
Stornoway ...	45	34	31	1	4	7·9
Dalwhinnie ...	38	(31)	28	Tr	0·6	6·5
Aberdeen † ...	47	35	29	-	-	1·8
Wick ...	45	33	31	-	-	*
Sumburgh ..	43	37	33	0·1	1	7·0
Blacksod Point	46	39	*	0·6	1	*
Malin Head ...	45	35		0·1	2	7·4
Aldergrove ...	47	30	24	-	-	8·0
Birr Castle ...	49	30	24	-	-	7·4
Valentia Obsy.	46	31	26	Tr	0·3	2·7
Roches Point	47	36	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 12th March ... 18h. G.M.T.

III	C_L	C_M	wwVhN$_h$	DDFWN	C_L	C_M	wwVhN$_h$	DDFWN
109	30		01853	34604	80		01854	52604
115	87		02844	53527	57		88844	53587
203					8-		82846	20586
206	20		01863	22514	84		01863	22513
210	24		02962	20414	76		01963	18303
219	36		27944	51685	3-		02955	50685
230	36		01855	16385	9-		10855	18225
245	20		01953	22313	86		01852	20212
260	20		01864	23314	26		01862	24412
278	20		01854	21214	86		02853	18228
279	26		01863	53313	26		01964	22314
285	20		01854	28414				
288	20		01865	17115	44		01763	22214
575	80		01854	18314	8-		81756	18226
301	20		01854	22314	24		05651	30604
321	20		05664	00014	40		05573	12114
2.)	10		00752	12102	33		02754	12314
292	2-		01854	26114	40		05664	16214
310	--		01634	20314	--		01634	20314
614	2-		05664	04114	03		04890	23123

13h. G.M.T. 12th March ... 18h. G.M.T.

III	C_L	C_M	wwVhN$_h$	DDFWN	C_L	C_M	wwVhN$_h$	DDFWN
333	20		01963	15213	53		02962	30125
334	--		01744	28214				
340	10		01753	20113	03		02790	00015
136	10		05653	28113	04		01790	05111
336					83		01733	12315
350	13		01761	12213	05		01690	04226
368	13		05661	04114	03		05690	07227
379	03		01790	06304				
390	00		05690	06304	03		05690	08215
882	07		01790	12314	07		05690	03125
438	57		01753	08413	54		01753	06314
439	54		05753	09204	53		02754	12115
409	17		01861	08226	07		02890	03327

01h. G.M.T. 13th March ... 07h. G.M.T.

C_L	C_M	wwVhN$_h$	DDFWN	C_L	C_M	wwVhN$_h$	DDFWN
36		01743	51604	3-		01744	51624
82		88845	53687	44		14844	91686
6-		81848	20688	83		88844	20588
36		25853	20583	80		01854	18214
40		01962	19302	40		01963	20313
3-		25854	22484	36		81845	52487
9-		84637	53387	86		25856	20387
40		01861	21301	50		01753	20204
00		00890	20400	54		01752	18213
00		01890	24211	54		02851	22215
3-		81755	16315	23		01953	12185
				23		05633	30404
04		01890	21112	04		02890	22113
50		01852	15212	83		01854	00014
00		05590	12111	40		08451	10104
00		05590	14210	00		47390	00014
50		01764	20214	54		05653	22214
00		08490	14210	00		08490	00000
08		08490	00010	08		08490	14113

13h. G.M.T. 12th March ... 18h. G.M.T.

III	C_L	C_M	wwVhN$_h$	DDFWN	C_L	C_M	wwVhN$_h$	DDFWN
333	20		01963	15213	53		02962	30125
334	--		01744	28214				
340	10		01753	20113	03		02790	00015
136	10		05653	28113	04		01790	05111
336					83		01733	12315
350	13		01761	12213	05		01690	04226
368	13		05661	04114	03		05690	07227
379	03		01790	06304				
390	00		05690	06304	03		05690	08215
882	07		01790	12314	07		05690	03125
438	57		01753	08413	54		01753	06314
439	54		05753	09204	53		02754	12115
409	17		01861	08226	07		02890	03327

01h. G.M.T. 13th March ... 07h. G.M.T.

C_L	C_M	wwVhN$_h$	DDFWN	C_L	C_M	wwVhN$_h$	DDFWN
07		02890	00025	57		01861	30127
				--		06443	00014
00		08490	00010	04		08490	00015
04		05690	00013	03		05690	05115
03		05690	08215	07		05590	05118
				07		05590	08315
				07		05590	04126
03		05590	08112	09		05690	00027
07		05590	00027	07		05590	0·227
50		01763	06313	5-		02657	02527
02		05690	08414	57		05664	03328
07		02790	05228	03		02790	04227

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th March
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 ...	bmbccz$_o$	b, cz$_o$y	cbcorcm	
Croydon ...	bfbcz$_o$y	cz$_o$y	cbcmcm	
Greenwich ..	bbcby	bbcy	cbcxm	
Camden Square	o	c	*	Kew 24 hours ended 7h. Max. Time 0·5 8-9hrs 12th
Kensington ...	bc	bc	*	
Hampstead ...	b	bc	bc	Min. Time <0·1 1-2hrs 13th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	49	38	27	-	-	7·1	*	*
Croydon ...	51	33	29	-	-	9·2	*	*
Greenwich ..	50	35	23	-	-	7·8	51	78
Westminster ..	51	39	35	-	-	*	41	77
Regents Park ..	50	36	32	-	-	*	49	80
Camden Square	52	37	29	-	-	*	*	79
Kensington ...	51	37	32	-	-	*	31	81
Hampstead ...	49	35	30	-	-	*	*	86

Page 1 BRITISH SECTION

SECRET

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

Sunday 14th March 1943. No. 29697

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

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)	22·6	−12	NE	4	Zo	50	45	31	5	–	–	6	0	9+	–
	Croydon	23·1	−10	NE'E	4	c	50	45	40	7	–	4	2	0	9	–
	S. Farnborough	22·0	−14	NE	3	Zo	50	45	40	6	–	3	7	0	10	–
	Boscombe Down	22·6	−10	ENE	4	c-bc	48	55	31	7	–	3	8	0	7·8	–
	Thorney Island	21·4	−14	ENE	3	c	50	55	32	7	–	–	8	0	9	–
	Lympne	21·7	−12	NE	4	c	47	55	30	8	–	8	8	0	9+	–
	Manston	22·8	−6	NE	4	c	46	65	34	8	–	–	7	0	9+	–
2	Shoeburyness	23·2	−6	ENE	4	c-bc	48	65	36	7	–	7	9	0	7·8	–
	Felixstowe	23·9	−6	NE'N	5	c-bc	47	75	38	8	–	8	2	0	7·8	–
	Gorleston	25·0	−4	ENE	3	bc	44	75	36	8	–	7	8	0	4-6	–
	Mildenhall	24·1	−10	E'N	3	c	49	55	32	8	–	4	8	0	9	–
	Cranwell	24·8	−10	SE'E	4	c	47	45	31	8	–	–	6	0	9+	–
3	Birmingham	24·0	−4	E	3	Zo	47	35	22	6	–	–	7	0	9+	–
	Upper Heyford	23·4	−10	ENE	3	c	47	55	30	7	–	7	7	0	9+	–
4	Ross-on-Wye	23·3	−12	NE'E	2	c	46	45	24	7	–	1	7	0	9+	–
5	Hartland Point	21·7	−8	NE	3	bc	47	55	33	7	–	4	9	0	4-6	–
	Bristol	23·2	−14	ENE	3	c	50	55	33	7	–	4	6	0	9+	–
	Portland Bill	21·9	−10	E	4	c	46	85	42	8	5	–	–	10	10	4000
	Plymouth	21·9	−10	E	4	c	47	65	35	7	–	–	6	0	9	–
	The Lizard	21·7	0	NE	4	c-bc	49	75	40	8	4	7	–	4-6	7·8	2000
	Scilly (St. Mary's)	21·5	−4	NE'N	3	c-bc	50	65	38	8	8	3	9	4-6	7·8	1800
	Guernsey															
6	Pembroke	23·6	−2	NE'E	2	c-bc	49	65	36	8	2	7	–	4-6	7·8	3000
7	Holyhead (Valley)	24·6	−2	WNW	1	c	50	55	34	9	1	–	7	1	9+	3500
	Chester (Sealand)	24·1	−14	–	0	bc	53	35	26	6	–	–	1	0	4-6	–
8	Manchester	24·0	−14	–	0	Zo	50	45	29	6	–	–	1	0	4-6	–
10	Spurn Head	25·3	−4	SSE	3	bc	45	75	36	7	7	–	2	2-3	4-6	2500
	Catterick (Sc)			NW	2	c-bc	51	45	31	8	1	–	5	2-3	7·8	3000
	Tynemouth	24·5	−4	SSW	2	m	48	55	31	4	–	4	–	0	4-6	–
11	St. Abbs Head	21·3	−4	SW	4	bc	46	75	39	8	1	4	–	1	4-6	4000
	Leuchars	20·9	−10	SW	5	c-bc	47	55	32	8	8	–	8	7·8	7·8	3000
12	Renfrew (Abbots I.)	21·8	−6	SW	3	c-bc	45	85	37	9	8	–	2	7·8	7·8	2000
	Eskdalemuir	22·9	−4	SW	4	c-bc	43	75	36	8	8	–	1	7·8	7·8	2200
	Point of Ayre	24·0	+2	NW'W	3	bc	49	75	40	8	1	–	6	1	4-6	3500
13A	Tiree	19·0	+2	SW	3	bc	46	85	40	8	2	6	1	2-3	4-6	2500
13B	Stornoway	17·5	−6	SSW	7	c/phr	45	85	40	8	3	4	9	4-6	9+	2500
15	Dalwhinnie	19·3	−2	SW	4	prs	36	85	28	7	5	–	–	9+	9+	1500
	Aberdeen	19·9	0	SW'S	4	c-bc	45	55	39	7	1	4	8	2-3	7·8	3000
	Wick	15·6	−2	SSW	5	c-bc	45	65	35	9	8	–	–	7·8	7·8	2000
16	Sumburgh	12·8	+2	SW	8	c/pr	43	85	40	8	3	6	–	9	9	1500
17	Blacksod Point	22·2	−2	SW	4	c-bc	46	65	34	8	8	7	–	4-6	7·8	2500
18	Malin Head	20·8	+2	SSW	4	bc	46	65	34	8	8	–	–	4-6	4-6	2500
	Aldergrove	23·5	−4	SW	3	c-bc	48	55	33	9	1	–	6	2-3	7·8	2500
19	Birr Castle	23·6	−10	SW	1	c-bc	50	45	30	8	2	–	5	4-6	7·8	2500
20	Valentia Obsy.	24·6	−2	WSW	1	c	48	55	33	9	1	–	2	1	9	2500
	Roches Point	24·2	−10	E'S	2	bc	47	75	39	8	1	–	5	1	4-6	4000

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

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)	21·4	−6	ENE	5	Zo	46	45	23	5	–	–	6	0	9+	–	1	*
Croydon	21·8	−4	E'N	4	c	45	55	30	6	–	7	2	0	9+	–	0	*
S. Farnborough	21·3	−2	ENE	3	Zo	45	55	29	6	–	7	8	0	9	–	0	*
Boscombe Down	20·9	−6	NE'E	3	c	47	45	29	7	–	3	8	0	9	–	0	*
Thorney Island	20·0	−6	NE'N	4	c-bc	47	65	35	8	–	7	8	0	7·8	–	0	*
Lympne	20·4	−6	NE	4	c-bc	43	75	35	7	–	3	2	0	7·8	–	0	4
Manston	21·1	−10	NE'E	4	c	44	65	34	8	5	–	9	2-3	9+	5500	0	*
Shoeburyness	22·1	−10	NE	4	c-bc	43	75	36	7	–	2	2	0	7·8	–	1	*
Felixstowe	22·6	−6	NNE	4	c	43	75	35	7	5	–	2	9	9+	5700	0	3
Gorleston	23·5	−2	NE	3	c-bc	43	85	37	7	–	7	7	0	7·8	–	0	3
Mildenhall	23·1	−2	E'N	2	c-bc	43	65	31	8	–	4	2	0	7·8	–	1	*
Cranwell	23·5	−4	E'S	4	c	42	65	30	8	–	4	6	0	9+	–	0	*
Birmingham	22·9	−4	E	2	Zo	46	35	21	6	–	1	8	0	9	–	0	*
Upper Heyford	21·9	−4	NE'E	2	c-bc	45	55	30	8	–	4	2	0	7·8	–	0	*
Ross-on-Wye	22·0	−6	NE	2	c-bc	45	45	25	8	–	7	8	0	7·8	–	0	*
Hartland Point	20·3	−6	NNE	3	bc	46	75	37	7	–	4	1	0	4-6	–	0	3
Bristol	21·5	−2	NE	3	Zo	45	65	32	6	–	7	2	0	7·8	–	0	*
Portland Bill	19·3	−6	E	4	c	48	85	44	8	5	–	–	10	10	4000	1	4
Plymouth	20·3	−6	N'E	3	Zo	47	65	36	6	–	7	9	0	9	–	0	2
The Lizard	20·3	0	NE	3	c-bc	46	65	35	7	4	7	–	7·8	7·8	2500	0	3
Scilly (St. Mary's)	20·9	−6	NNE	3	c	46	65	36	8	8	8	8	2-3	10	1500	0	3
Guernsey																	
Pembroke	21·6	−8	NNE	3	c	44	75	35	8	8	2	–	7·8	10	2500	0	2
Holyhead (Valley)	23·6	−2	NNE	1	c	44	65	34	8	–	4	9	0	9	–	0	1
Chester (Sealand)	23·4	−2	N	1	c	44	65	33	6	–	7	6	0	9	–	0	*
Manchester	23·2	−2	NW'W	2	Zo	43	75	36	6	–	–	1	0	4-6	–	0	*
Spurn Head	24·4	−6	SE'E	3	c	42	85	37	7	7	4	2	4-6	9+	2500	0	3
Catterick (Sc)	*	*	S	1	Zo	45	55	30	6	–	–	2	0	9	–	0	*
Tynemouth	23·6	0	S	2	Zo	44	65	34	6	2	3	2	2-3	4-6	2500	0	2
St. Abbs Head	21·4	+8	SW	3	bc	44	75	38	8	4	4	–	2-3	4-6	4000	0	3
Leuchars	20·2	−4	SW	3	c-bc	45	55	32	8	5	4	8	2-3	7·8	3500	0	*
Renfrew (Abbots I.)	20·8	−4	SW	2	c-bc	44	75	36	8	8	7	2	4-6	7·8	2500	1	*
Eskdalemuir	22·5	+2	SSW	3	c-bc	39	85	34	8	5	4	6	2-3	7·8	2700	0	*
Point of Ayre	23·4	−2	WSW	1	c	44	75	35	8	–	4	6	0	9	–	0	1
Tiree	18·0	−2	SSW	5	bc	45	85	41	8	2	6	9	2-3	4-6	2000	1	4
Stornoway	13·2	+2	SW	5	pr	42	97	41	7	3	6	–	4-6	7·8	1200	1	4
Dalwhinnie	18·7	−2	SW	3	iro	36	85	32	6	5	–	–	10	10	1500	4	*
Aberdeen	18·5	−4	SSW	5	c-bc	45	45	28	4	4	5	4	7·8	7·8	3000	0	4
Wick	14·9	−4	SW	3	bc	43	75	36	9	4	3	–	4-6	4-6	2500	0	*
Sumburgh	10·7	−14	SW'S	8	c	45	92	43	8	4	–	6	9	9+	2500	1	4
Blacksod Point	21·6	−6	SW'S	4	bc	45	75	37	8	8	–	–	4-6	4-6	2500	0	3
Malin Head	20·1	−2	SSW	4	bc	45	65	34	8	8	–	–	4-6	4-6	2500	1	3
Aldergrove	22·1	−8	SSW	2	c-bc	44	65	32	9	8	6	6	1	7·8	2500	1	*
Birr Castle	23·0	−2	WNW	1	c	46	55	31	8	5	–	5	4-6	9	2500	1	*
Valentia Obsy.	23·7	−2	WSW	2	c	47	65	36	9	1	–	3	1	9	2500	1	2
Roches Point	23·0	−6	SE	1	bc	45	75	37	8	5	3	5	1	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 13th (39)	13h.—18h. 13th (40)	18h. 13th to 1h. 14th (41)	1h.—7h. 14th (42)
London (Kew)	cmmoy	czoy	cbcmo	bcmox
Croydon	czocy	cy	cmzycmo	cmocmbcxm
S. Farnborough	cmzoy	czoy	czoybzczoz	czbccmo
Boscombe Down	bcmocmocy	cbcczocy	cybcczo	czobcmox
Thorney Island	ccmocy	cy	bccmo	cbcbmo
Lympne	ccy	cyc	c	ccmo
Manston	cmoc	c	cbc	bmo
Shoeburyness	cmowc	c	cbc	bccmox
Felixstowe	cbc	bcc	bc	bcbmo
Gorleston	cbcz	bcc	bc	bcc
Mildenhall	cmoxcy	cybcyc	cbc	bccmox
Cranwell	bcmox cy	cvyc	cbcbmo	cbc mox
Birmingham	bfbc	cz	cbc	bccx
Upper Heyford	cmo czoy	cy	cycbc	cbcmo
Ross-on-Wye	czcy	cy	bcyczo	cmox
Hartland Point	cbcy	bccbc	bcc	bc
Bristol	cmoxbcmocycy		bczozczo	cmobcmox
Portland Bill	c	c	c	c
Plymouth	cmozoc	ccyczo	czo	bczobmo
The Lizard	c	c	cbcc	cbc
Scilly (St. Mary's)	c	c	c	cbc
Guernsey				
Pembroke	c	c	cbc	bcc
Holyhead (Valley)	c	cyv	bw	bwx
Chester (Sealand)	bcmbzy	bcbzoyc	czofm	cffx
Manchester	bcffxy	bcbzoy	bczoffcm	bcbffcmx
Spurn Head	bc	c	bc	c
Catterick (Sc)	bcy	bccy	cmobcmo	bcmocmx
Tynemouth	bcm	cbcmo	bcbm	bm
St. Abbs Head	bc	bccbc	bcb	bmob
Leuchars	bcxmocy	cybcycy	bcmoyb	bbbx
Renfrew (Abbots I.)	bcc	cbcc	bcccmobmo	bcmox
Eskdalemuir	bcxc	cbcv	bcvbx	bbcxf
Point of Ayre	bc	bcc	bx	bvx
Tiree	bc	bcjpbc	bccprbc	bccprbc
Stornoway	cpropsc	cprpRpro	cprbc	cpr
Dalwhinnie	bcprsc	ciroo		oirc
Aberdeen	bbcyc	bcyby	cybc	bccx
Wick	bcc	cbc	bbcprobc	bc
Sumburgh	cproc	cproc	propshc	probccir o
Blacksod Point	c	bc	b	bc
Malin Head	pr	bc	b	bc
Aldergrove	ccy	cyb cy	bx	bx
Birr Castle	c	c		b
Valentia Obsy.	c	c	bc	b
Roches Point	c	bc	bc	b

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

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

Moderate easterly winds in extreme South, southwesterly in North, variable light elsewhere. Fine but with a risk of very low stratus cloud in areas south of the Wash – Severn later in night. Moderate or good visibility becoming moderate or poor tonight with local fog later. Bad visibility with any stratus later. Mild but ground frost at night.

Districts: 13A W. Scotland, 13B N.W. Scotland ✝, 14 Mid Scotland, 15 N.E. Scotland, 16 Orkneys and Shetlands ✝

Fresh southwest wind, strong to gale in North. Rain or hail showers in West and North, mainly fine in East. Very good visibility away from showers. Rather cold or cold; ground frost inland tonight.

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

Light variable winds; fine; good visibility: mild.

GENERAL INFERENCE

Pressure is high across England and Ireland. It will remain fine in most areas but with a risk of low stratus in areas south of the Wash later tonight; it will be showery in Northwest and North Scotland. Rather cold or cold in most of Scotland; mild elsewhere but with ground frost at night.

FURTHER OUTLOOK

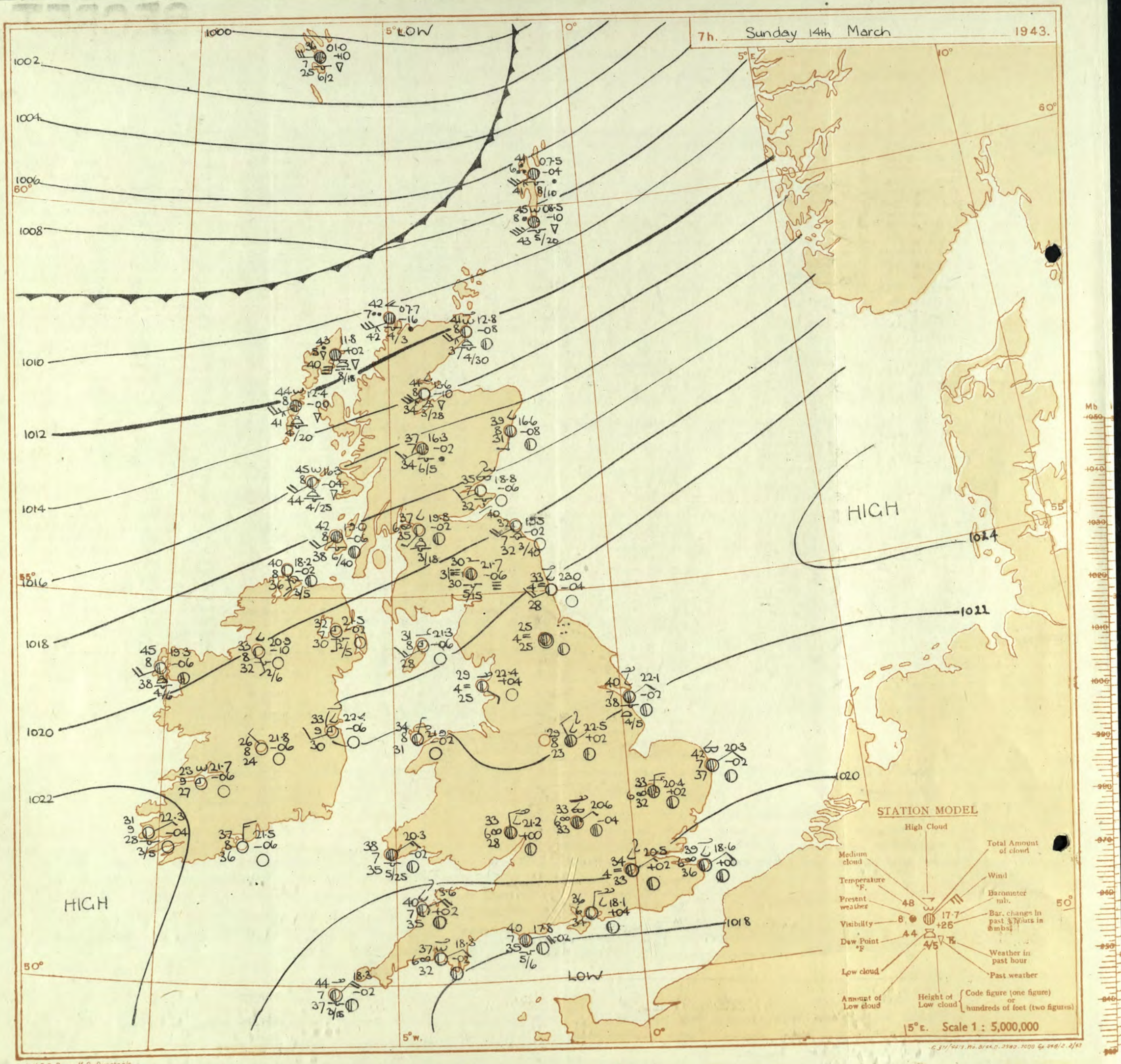
Little change.

✝ Gale warning in operation in districts 13B, 16 issued at 1650 12. Mar. 43.

Forecasts issued at 1300.

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

7h. Sunday 14th March 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

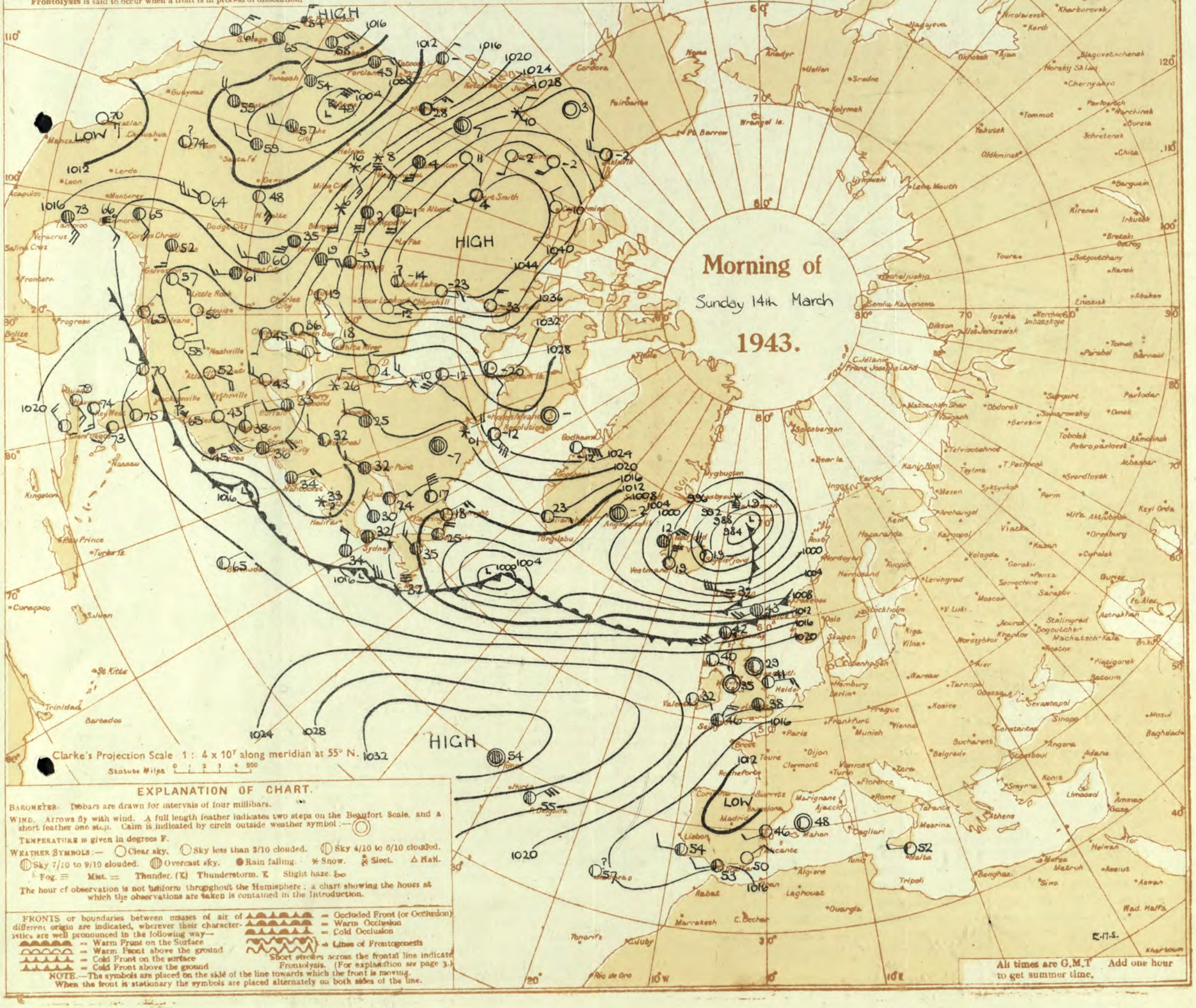
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 14th March 1943

No. 29697

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon	290	21·8	-8	NE	1	Zo	38	85	35	5	-	-	6	0	9	-
	S. Farnborough	226	20·3	-10	NNE	3	m	36	75	30	4	-	7	8	0	9+	-
	Boscombe Down	417	20·5	-6	NNE	2	Zo	36	75	29	6	-	3	8	0	9+	-
	Thorney Island	10	18·9	-10	NNE	3	Zo	40	85	35	6	5	-	2	2-3	10	4000
	Lympne	283	19·2	-6	NE	4	c	40	85	36	7	-	4	7	0	10	-
	Manston	154	19·6	-10	NE'E	3	b-bc	42	85	37	7	-	-	8	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	20·7	-14	NNE	4	bc	40	92	38	7	-	1	-	0	4-6	-
	Gorleston	5	21·7	-14	NE'E	3	bc	43	85	38	7	-	7	-	0	4-6	-
	Mildenhall	15	20·9	-14	NE	2	bc	35	92	34	7	-	4	8	0	4-6	-
	Cranwell	203	22·6	-10	NE	2	Zo	36	92	34	6	-	-	8	0	7-8	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·7	-6	NE	3	c	35	85	31	7	-	-	6	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·4	-10	NE	4	bc	43	75	34	7	-	-	6	0	4-6	-
	Bristol	209	21·2	-8	NE	1	Zo	38	75	32	6	-	-	8	0	7-8	2500
	Portland Bill	32	18·3	-10	E	4	ebc	44	85	39	8	5	-	-	4-6	7-8	4000
	Plymouth	82	19·5	-8	E'S	1	Zo	41	75	32	6	-	9	8	0	4-6	-
	The Lizard	240	18·9	-8	NNE	3	c	41	85	35	8	5	2	-	7-8	9+	2000
	Scilly (St. Mary's)	163	19·3	-12	NNE	4	c	46	65	35	7	5	-	9	4-6	9	1500
	Guernsey	175															
6	Pembroke	142	21·6	-4	NE	2	b-bc	40	85	37	7	5	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	22·6	-6	-	0	b	35	92	33	7	-	-	1	0	0	-
	Chester (Sealand)	16	22·6	-10	-	0	m/p	34	92	33	4	-	-	8	0	4-6	-
8	Manchester	235	22·8	-6	W'N	1	bcf	35	75	30	3	-	-	8	0	4-6	-
10	Spurn Head	29	23·4	-10	E'S	3	bc	41	85	36	7	7	4	2	2-3	4-6	2500
	Catterick (Sc)	175 (192)			-	0	Zo	29	92	27	5	-	-	8	0	7-8	-
	Tynemouth	108	23·7	-4	W	2	m	39	65	29	4	-	-	-	0	0	-
11	St. Abbs Head	280	20·6	-8	SW	4	b	36	92	34	7	4	-	-	1	1	4000
	Leuchars	36	20·0	-2	WSW	3	b-bc	37	85	32	7	-	3	-	0	2-3	-
12	Renfrew (Abbots I.)	19	20·5	-4	SSW	2	Zo	40	85	36	6	5	3	5	Tr	2-3	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·3	-23	SSW	1	b	33	85	29	8	-	4	-	0	Tr	-
13A	Tiree	44	17·4	-6	SW	4	b-bc	44	92	41	8	2	6	-	1	2-3	2500
13B	Stornoway	15	13·4	+2	SSW	6	c	42	92	40	7	9	-	3	7-8	9+	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·0	-8	SW	4	bc	38	85	34	8	-	3	8	0	4-6	-
	Wick	114	14·4	-2	SW'S	3	bc	40	85	35	8	8	-	2	2-3	4-6	3000
16	Sumburgh	19	10·5	0	SW	7	c-bc / phr	44	97	44	8	3	-	-	7-8	7-8	1300
17	Blacksod Point	18	20·9	-6	SW'W	3	b-bc	45	75	37	8	8	-	-	2-3	2-3	4000
18	Malin Head	84	19·1	-10	ESE	3	b	40	85	36	8	4	-	-	1	1	2500
	Aldergrove	268	26·6	-2	S	1	b	33	97	30	8	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·4	-6	E	1	b	32	92	31	9	5	-	-	Tr	Tr	2500
	Roches Point	22	22·9	-6	NNE	2	bc	40	97	40	8	-	3	-	0	4-6	-

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

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)	19·5	+2	NNE	2	Zo	36	92	33	5	-	-	6	0	2-3	-	1	*
Croydon	20·5	+2	NE	1	m	34	92	33	4	-	4	6	0	4-6	-	0	*
S. Farnborough	19·3	+2	NNE	2	Zo	45	92	43	6	-	3	2	0	7-8	-	0	*
Boscombe Down	19·7	0	N'E	2	bc	33	92	31	7	-	4	2	0	4-6	-	0	*
Thorney Island	18·1	+4	N'E	2	Zo	36	92	34	6	-	4	2	0	2-3	-	0	*
Lympne	18·1	+2	N'E	2	Zo	38	97	36	6	-	-	2	0	4-6	-	0	§4
Manston	18·6	0	NE'E	2	Zo	39	92	36	6	-	4	1	0	4-6	-	0	*
Shoeburyness	18·8	0	N'E	2	Zo	35	97	35	5	-	-	4	0	7-8	-	3	*
Felixstowe	19·2	-2	N	3	Zo	37	92	35	6	-	4	2	0	4-6	-	0	2
Gorleston	20·3	-2	NE	2	ebc	42	85	37	7	-	7	-	0	7-8	-	0	3
Mildenhall	20·4	+2	NNE	2	Zo	33	97	32	6	-	-	8	0	9+	-	0	*
Cranwell	21·5	+2	N'W	3	Zo	33	97	32	6	-	4	7	0	10	-	0	*
Birmingham	21·7	-2	NNE	2	Zo	34	92	32	5	-	7	7	0	9+	-	0	*
Upper Heyford	20·6	-4	NE'E	2	Zo	33	97	33	6	-	7	2	0	9	-	0	*
Ross-on-Wye	21·2	0	N	2	Zo	33	85	28	6	-	4	2	0	7-8	-	0	*
Hartland Point	18·6	+2	NE	4	bc	40	85	35	7	-	4	4	0	4-6	-	0	3
Bristol	21·0	+6	NE	2	Zo	32	97	31	6	-	4	2	0	4-6	-	1	*
Portland Bill	17·8	-2	E	4	ebc	40	85	35	7	5	-	-	7·8	7·8	4000	1	4
Plymouth	18·3	+2	E'N	2	Zo	37	85	32	6	-	3	1	0	2-3	-	0	1
The Lizard	17·9	+4	NE	3	bc	38	85	33	8	4	3	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	18·3	+2	NE'N	4	bc	44	75	37	7	5	-	2	2-3	4-6	1500	0	3
Guernsey																	
Pembroke	20·3	-2	NE'E	3	ebc	38	92	35	7	5	-	-	7-8	7-8	2500	0	2
Holyhead (Valley)	21·9	-2	N'E	1	bc	34	92	31	8	-	-	3	0	4-6	-	3	1
Chester (Sealand)	22·0	+2	-	0	cf	27	92	26	2	-	-	8	0	9	-	3	*
Manchester	22·2	+2	ENE	2	Zo	29	85	27	5	-	3	2	0	9	-	3	*
Spurn Head	22·1	-2	NE'E	2	ebc	40	92	38	7	7	4	2	4-6	7-8	2500	0	2
Catterick (Sc)			-	0	m	25	97	25	4	-	-	8	0	7-8	-	0	*
Tynemouth	23·0	-4	WSW	3	m	33	75	28	4	-	4	1	0	2-3	-	0	2
St. Abbs Head	19·5	-2	SW	4	b-bc	32	97	32	7	4	-	-	2-3	2-3	4000	0	3
Leuchars	18·8	-6	WSW	2	b-bc	35	92	32	7	5	7	9	Tr	2-3	4000	0	*
Renfrew (Abbots I.)	19·8	-2	SW'S	1	Zo	37	92	35	6	8	4	-	2-3	2-3	1800	1	*
Eskdalemuir	21·7	-6	-	0	ebcf	30	97	30	3	5	-	5	7-8	7-8	1500	0	*
Point of Ayre	21·3	-6	SW'W	3	b	31	92	28	8	-	-	8	0	Tr	-	0	2
Tiree	16·3	-4	SW	4	bc	45	92	44	8	8	3	-	4-6	4-6	2500	1	4
Stornoway	11·8	+2	SSW	6	pr	43	92	40	5	9	-	-	10	10	1800	1	4
Dalwhinnie	16·3	-2	WSW	3	c	37	92	34	7	5	-	-	9	9	2500	4	*
Aberdeen †	16·6	-8	S'W	2	ebc	39	75	31	8	-	4	-	0	7-8	-	0	2
Wick	12·8	-8	SW	4	bc	41	85	37	8	8	3	1	4-6	4-6	3000	0	*
Sumburgh	08·5	-10	SW	7	ro	45	92	43	8	5	3	-	7-8	9	2000	1	5
Blacksod Point	19·3	-6	SW'W	4	bc	45	75	38	8	8	-	-	4-6	4-6	4000	0	3
Malin Head	18·2	-2	S	3	b-bc	40	85	36	8	4	-	-	2-3	2-3	2500	1	3
Aldergrove	21·5	-2	S	1	b	32	92	30	7	5	-	-	1	1	2500	3	*
Birr Castle	21·8	-6	NW	1	b	26	92	24	8	-	-	-	0	0	-	1	*
Valentia Obsy.	22·3	-4	ENE	1	b-bc	31	85	28	9	5	-	-	2-3	2-3	2500	3	2
Roches Point	21·5	-6	N'E	3	b	37	97	36	8	-	-	-	0	0	-	1	8

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	50	36	29	-	-	2·8
Croydon	51	33	25	-	-	0·5
S. Farnborough	50	32	23	-	-	1·4
Boscombe Down	49	32	27	-	-	2·7
Thorney Island	52	35	31	-	-	*
Lympne	48	37	33	-	-	3·0
Manston	48	38	36	-	-	3·4
Shoeburyness	49	34	28	-	-	2·5
Felixstowe	48	35	33	-	-	[illegible]
Gorleston	45	41	38	-	-	[illegible]
Mildenhall	50	31	21	-	-	5·8
Cranwell	48	33	30	-	-	5·1
Birmingham	48	31	24	-	-	1·9
Upper Heyford	50	33	30	-	-	*
Ross-on-Wye	49	32	23	-	-	1·5
Hartland Point	48	39	38	-	-	3·0
Bristol	50	32	25	-	-	3·9
Portland Bill	48	37	*	-	-	*
Plymouth	49	37	24	-	-	2·5
The Lizard	50	36	*	-	-	6·2
Scilly (St. Mary's)	53	44	*	-	-	4·5
Guernsey						
Pembroke	50	32	*	-	-	0·0
Holyhead (Valley)	51	32	24	-	-	*
Chester (Sealand)	53	27	20	-	Tr	7·8
Manchester	51	27	17	-	-	*
Spurn Head	45	32	*	-	-	6·3
Catterick (Sc)	52	25	19	-	-	9·0
Tynemouth	49	33	27	-	-	*
St. Abbs Head	48	29	*	-	-	*
Leuchars	49	33	26	-	-	8·0
Renfrew (Abbots I.)	49	35	27	-	-	7·0
Eskdalemuir	46	27	21	-	-	5·6
Point of Ayre	52	29	*	-	-	8·7
Tiree	47	41	38	-	1	5·9
Stornoway	47	40	36	3	4	2·4
Dalwhinnie	38	35	32	2	3	3·1
Aberdeen †	48	38	32	-	-	8·5
Wick	48	38	36	-	-	*
Sumburgh	45	38	36	4	5	0·4
Blacksod Point	50	43	*	-	-	*
Malin Head	48	38		0·6	-	5·8
Aldergrove	50	31	22	-	-	8·5
Birr Castle	52	25	20	-	-	6·1
Valentia Obsy.	48	31	26	Tr	Tr	8·7
Roches Point	49	36	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIC$_L$C$_M$ (13h. G.M.T. 13th March)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 14th March)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109 80	02856	52616	57	02755	52625	5-	61758	19568	52	61745	18517
115 34	27844	87686	87	88844	87687	54	02854	53585	52	62734	53668
203						8-	81846	20526			
206 86	01864	52415	46	02865	20387	26	02964	55585	24	01853	53683
210 10	01964	19414	46	01963	51514	04	01990	18304	53	01983	18413
219 36	02854	52685	36	25744	54685	8-	10855	19585	83	25844	54587
230 86	10754	18324	86	25755	51387	8-	01864	18324	5-	02855	18326
245 74	02764	55415	44	01764	19414	04	01790	19404	50	01751	20304
260 80	01854	20414	44	01863	20314	00	00890	20300	00	00890	18300
278 20	02851	22325	23	02851	18225	00	00790	22210	54	01851	20302
279 20	02963	20427	40	02863	20426	00	01890	09211	54	01963	08114
285 13	05643	26514	23	01854	22315	[illegible]					
288 10	01858	15214	00	01790	00025	00	05690	00013	00	05590	22117
575 8-	02856	18216	87	01851	18121	50	01863	00013	54	01862	14103
301 08	05690	25216	00	17490	02226	00	08490	00040	00	08490	10104
321 00	05690	12244	00	05690	12117	00	05590	00024	--	46009	00040
[illegible] 50	05553	22213	01	01785	16315	04	00790	18201	14	01762	26113
292 10	02851	16126	00	05590	00025	00	05590	00010	00	47190	00045
310 --	01634	24214									
614 00	41690	08147	00	05690	06224	00	05590	04115	04	05590	02126

IIC$_L$C$_M$ (13h. G.M.T. 13th March)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 14th March)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
333 10	02862	12227	04	02890	32327	05	01690	00024	04	02790	28306
334 --	01771	28102	--	12662	28103						
340 00	05590	32120	01	08490	02127	00	08490	08128	03	08490	32116
136 10	02751	08227	09	02890	08227	04	02790	09326	00	05690	04226
336 50	01753	08314	57	05644	04327						
350 00	02790	06325	03	01790	06324	04	05690	03226	04	05590	02317
368 07	05590	04227	54	05664	04215				03	05690	04215
379									07	05590	01317
390 10	02751	06325	00	02790	06425	00	05690	04224	04	05690	04116
382 07	02790	06426	07	02890	07325	07	05690	04426	5-	05638	04428
438 57	02753	04616	57	02746	04615	00	05690	04500	59	01653	03514
430 00	01890	04426	5-	02764	37425	00	05690	04423	03	05690	03314
409 07	02890	07227	03	02790	02227	04	05690	06225	09	02790	02315

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 14th March.
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	cmmoy	czoy	cbcmox
Croydon	czocy	cy	cmzybcx
Greenwich	c⊕	bccy	cb⊕xm
Camden Square	cbc	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended ..h. Max. 0·5 [illegible] 13th. Min. 0·1 12-15h 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	50	36	29	-	-	2·8	*	*
Croydon	51	33	25	-	-	0·5	*	*
Greenwich	50	35	25	-	-	5·0	45	77
Westminster	50	36	32	-	-		38	82
Regents Park								
Camden Square	52	35	29	-	-	*	*	84
Kensington	52	34	30	-	-		51	80
Hampstead	50	38	35	-	-		*	86

SECRET

Monday 15th March 1943

Page 1

BRITISH SECTION

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

No. 29698

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

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)	17·8	−12	NE'N	3	Z_0	51	55	34	5	-	-	6	0	4-6	-
	Croydon ...	18·9	−10	ENE	3	Z_0	52	56	37	5	-	-	2	0	2-3	-
	S. Farnborough	17·7	−14	NE	2	Z_0	33	45	38	5	-	7	5	0	1	-
	Boscombe Down	18·6	−12	NE	3	b	51	55	37	7	-	-	4	0	1	-
	Thorney Island	17·1	−10	NNE	3	Z_0	54	45	33	5	-	-	-	0	0	-
	Lympne ...	16·9	−10	NE	3	Z_0	50	55	36	6	-	-	6	0	7-8	-
	Manston ...	17·6	−6	NE	3	Z_0	49	75	40	6	-	-	2	0	9	-
2	Shoeburyness ...	18·9	−12	S'E	4	c-bc	49	65	40	6	-	-	7	0	7-8	-
	Felixstowe ...	18·4	−10	NE	4	bc	48	75	39	7	-	-	2	0	4-6	-
	Gorleston ...	20·3	−2	NE'N	3	bc	44	83	39	7	-	-	2	0	4-6	-
	Mildenhall ...	18·5	−16	ENE	3	c	54	55	36	7	-	-	8	0	9	-
	Cranwell ...	20·1	−14	E'N	4	c	49	55	34	8	-	-	2	0	9	-
3	Birmingham ...	19·7	−10	E	3	Z_0	49	45	30	6	-	-	1	0	2-3	-
	Upper Heyford	19·0	−14	ENE	3	bc	51	55	36	7	-	-	2	0	4-6	-
4	Ross-on-Wye	19·3	−14	NE'E	3	b	49	45	30	7	-	-	9	0	Tr	-
5	Hartland Point	18·0	−8	NE	4	b-bc	47	65	36	7	-	4	5	0	2-3	-
	Bristol ...	19·2	−12	ENE	3	b	50	65	39	7	-	-	2	0	1	-
	Portland Bill ...	17·3	−10	NE	4	bc	49	85	45	8	2	-	-	4-6	4-6	4000
	Plymouth ...	17·7	−10	ENE	3	Z_0	53	55	39	7	-	4	-	0	Tr	-
	The Lizard ...	17·9	0	NE	2	b-bc	49	75	40	8	4	6	-	2-3	2-3	2500
	Scilly (St. Mary's)	18·3	−2	NE	3	b	50	75	41	6	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	19·7	−6	ENE	1	bc	49	65	38	7	5	2	-	2-3	4-6	3000
7	Holyhead (Valley)	20·5	−8	E'N	2	b	49	45	27	8	-	-	8	0	Tr	-
	Chester (Sealand)	20·4	−14	NNW	1	Z_0	49	56	32	5	-	-	-	0	0	-
8	Manchester ...	20·1	−12	W'S	1	bf	48	55	33	3	-	-	-	0	0	-
10	Spurn Head ...	21·4	−4	NE'E	3	bc	47	75	39	7	2	4	2	1	4-6	2500
	Catterick ...	*	*	SSE	1	b-bc	51	45	31	8	5	-	-	2-3	2-3	1500
	Tynemouth ...	21·4	−12	W	3	b-bc	49	65	33	7	-	2	1	-	2-3	-
11	St. Abbs Head	18·5	−10	SW	3	b-bc	50	65	37	8	1	4	-	1	2-3	4000
	Leuchars ...	17·5	−14	WSW	4	Z_0	51	55	34	6	1	-	5	Tr	1	3500
12	Renfrew (Abbots I.)	18·4	−10	SW	3	b-bc	50	65	36	8	8	7	2	1	2-3	2000
	Eskdalemuir ...	19·3	−8	SW	4	b-bc	46	55	32	7	1	-	-	2-3	2-3	3000
	Point of Ayre ...	20·6	−6	SSE	2	b-bc	51	75	42	8	2	-	-	2-3	2-3	3000
13A	Tiree	15·9	+2	SW	4	pr	48	97	46	7	8	-	-	4-6	7-8	1500
13B	Stornoway ...	12·3	−10	SSW	4	c-bc	49	65	33	8	8	5	1	4-6	7-8	2200
15	Dalwhinnie ...	16·0	+2	SW	3	c	41	85	36	7	5	7	-	4-6	9	2500
	Aberdeen ...	15·8	−6	SSW	2	b-bc	53	45	31	8	1	4	2	Tr	2-3	3000
	Wick ...	13·4	+4	SW	3	bc/pr	46	85	41	9	8	-	-	4-6	4-6	3000
16	Sumburgh ...	11·1	+18	W	5	bc	45	97	43	8	2	6	-	Tr	2-3	3000
17	Blacksod Point	18·0	−12	SW	4	c-bc	50	65	39	8	8	-	6	4-6	7-8	4000
18	Malin Head ...	17·3	−8	SSW	4	b-bc	50	65	39	8	2	-	-	2-3	2-3	2500
	Aldergrove ...	19·9	−12	SSW	3	bc	50	55	35	9	8	-	-	4-6	4-6	2500
19	Birr Castle ...	20·0	−16	SW	2	b	52	45	32	8	-	-	-	0	0	-
20	Valentia Obsy.	20·7	−10	SW'S	3	bc	49	55	34	9	8	-	1	4-6	4-6	2500
	Roches Point	20·7	−6	S'E	2	b	50	75	42	9	1	-	-	Tr	Tr	4000

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

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)	16·8	−6	ENE	2	Z_0	48	65	36	5	-	-	8	0	4-6	-	1	*
	Croydon ...	17·0	−2	E	2	Z_0	48	65	36	6	-	2	-	0	4-6	-	0	*
	S. Farnborough	16·1	0	-	0	bf+	50	65	39	3	-	-	1	0	Tr	-	0	*
	Boscombe Down	16·8	−10	N'E	1	b-bc	49	65	37	7	-	-	1	0	2-3	-	0	*
	Thorney Island	16·0	−2	NNE	2	Z_0	51	55	35	6	-	-	2	0	2-3	-	0	*
	Lympne ...	15·8	0	NE'E	4	b	43	85	38	6	-	-	2	0	1	-	0	3
	Manston ...	16·4	0	NE'N	3	Z_0	43	85	39	6	-	-	1	0	2-3	-	0	*
2	Shoeburyness ...	17·5	−6	NE	4	bc	42	85	38	7	-	7	6	0	4-6	-	0	*
	Felixstowe ...	17·1	−2	NNE	3	b-bc	43	85	38	7	-	3	2	0	2-3	-	0	3
	Gorleston ...	18·1	−8	NE	3	b-bc	43	85	39	7	-	7	-	0	2-3	-	0	3
	Mildenhall ...	17·3	−2	NE'E	3	b-bc	47	55	33	7	-	4	8	0	2-3	-	0	*
	Cranwell ...	17·5	−12	E'S	3	c	45	65	33	7	-	-	2	0	9+	-	0	*
3	Birmingham ...	17·7	−6	NE	2	Z_0	48	55	33	6	-	-	2	0	4-6	-	0	*
	Upper Heyford	17·1	−12	NE'N	2	bc	49	65	37	7	-	-	2	0	4-6	-	0	*
4	Ross-on-Wye	17·4	−6	NNE	1	b-bc	49	55	32	7	-	-	1	0	2-3	-	0	*
5	Hartland Point	16·6	−2	NNE	3	b	45	85	40	7	-	-	1	0	1	-	0	3
	Bristol ...	17·8	−6	-	0	Z_0	47	75	39	5	-	-	1	0	1	-	0	*
	Portland Bill ...	16·7	−4	NE	4	c	47	85	43	8	5	4	-	7-8	9	4000	1	4
	Plymouth ...	16·9	−2	SSW	1	Z_0	51	75	42	6	-	4	1	0	2-3	-	0	1
	The Lizard ...	16·8	−2	E	2	b	47	85	43	6	-	-	-	0	0	-	0	3
	Scilly (St. Mary's)	16·9	−4	NNE	2	b	48	75	42	6	-	-	-	0	0	-	0	3
	Guernsey ...																	
6	Pembroke ...	18·0	−6	N'E	3	b-bc	45	65	35	7	3	-	-	2-3	2-3	3000	0	2
7	Holyhead (Valley)	18·3	−10	N	1	b	43	65	32	7	-	-	-	0	0	-	0	1
	Chester (Sealand)	18·8	−2	NW	1	b	42	75	35	6	-	-	-	0	0	-	0	*
8	Manchester ...	18·4	−2	-	0	bf+	43	75	35	3	-	-	-	0	0	-	0	*
10	Spurn Head ...	12·6	0	ENE	3	c-bc	43	85	39	7	5	4	2	2-3	2-3	2500	0	2
	Catterick ...	*	*	-	0	Z	49	65	32	6	-	-	8	0	1	-	0	*
	Tynemouth ...	19·5	−10	SSE	3	b-bc	43	65	33	7	-	4	-	0	2-3	-	0	2
11	St. Abbs Head	17·9	+6	SSW	2	b-bc	48	65	37	7	1	-	-	2-3	2-3	4000	0	2
	Leuchars ...	16·0	−6	SW	3	c-bc	47	55	31	7	5	-	8	Tr	7-8	2500	0	*
12	Renfrew (Abbots I.)	16·6	−8	SSW	2	bc	46	65	35	8	4	6	1	2-3	4-6	2000	0	*
	Eskdalemuir ...	18·0	−14	SW	2	b	41	65	30	8	-	-	5	0	Tr	-	1	*
	Point of Ayre ...	18·4	−8	W	2	b	47	55	32	8	-	4	-	0	Tr	-	0	2
13A	Tiree	13·6	−14	SSW	5	c	46	85	39	8	4	7	2	2-3	9	3000	1	4
13B	Stornoway ...	10·8	−6	SSW	4	ir_0	45	97	45	7	5	7	7	7-8	10	2200	1	2
15	Dalwhinnie ...	14·0	−10	SW	3	c	41	75	35	8	7	4	6	2-3	9+	2500	1	*
	Aberdeen ...	15·0	0	SW'W	2	c	50	45	31	7	4	4	6	Tr	9	2000	0	2
	Wick ...	13·0	−2	SW	4	c-bc	45	85	40	9	5	7	9	4-6	7-8	5000	0	*
16	Sumburgh ...	11·6	−2	W	3	c/pr	43	92	32	8	2	6	6	2-3	9	2000	1	4
17	Blacksod Point	14·8	−18	SW'S	5	c/pr	47	75	39	8	9	-	-	9	9	2500	1	4
18	Malin Head ...	14·8	−14	S	3	c	47	65	35	8	5	-	-	9	9	2500	1	3
	Aldergrove ...	17·3	−12	SW	2	c	46	55	32	9	4	7	-	4-6	9	2900	0	*
19	Birr Castle ...	17·4	−12	WNW	1	b	48	55	33	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	18·6	−10	SSW	3	c-bc	46	53	32	9	5	-	-	7-8	7-8	4000	1	2
	Roches Point	18·7	−10	S	1	b	48	75	40	9	5	-	-	Tr	Tr	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 14th (39)	13h.–18h. 14th (40)	18h.–1h. 14th–15th (41)	1h.–7h. 15th (42)
1	London (Kew)	bmbcmby	bcyz₀	bcz₀mw	bcmfx
	Croydon ...	bfbz₀y	bcz₀y	bmbfwbwfxcf	
	S. Farnborough	cbmbz₀y	bz₀yf	bfzbczbmfx	bmfx
	Boscombe Down	bxbcmby	byb	bbz₀bm₀	bm₀bmx
	Thorney Island	bm₀z₀y	bz₀y	bm₀	bm₀bmx
	Lympne ...	bcm₀	bcm₀ybcb	bm₀mw	bm₀wf
	Manston ...	bcczf	bz₀	bm₀b	bm₀bfx
2	Shoeburyness ...	bc	bc	b	bcmx
	Felixstowe ...	bcm₀bc	bccbcb	bm₀	bm₀wbcmx
	Gorleston ...	cbc	bcb	bw	bcm₀x
	Mildenhall ...	cm₀xcy	cybcy	bm₀xbFx	bFx
	Cranwell ...	cm₀cy	cyc	bcbFx	b₀Fex
3	Birmingham ...	czbc	bcz	bz	bzfx
	Upper Heyford	cm₀bcm₀	bcycy	bcbm₀	bm₀Fx
4	Ross-on-Wye	bcz₀by	by		bm₀x
5	Hartland Point	bcbbc	bc	bcb	b
	Bristol ...	bcm₀bmbz₀	bbm₀	bz₀fmx	bmx
	Portland Bill ...	cbc	bcc	bb	bc
	Plymouth ...	bz₀by	by	bm₀	bm₀x
	The Lizard ...	bc	bcb	b	bbcb
	Scilly (St. Mary's)	bcb	b	bw	bwbc
6	Pembroke ...	cbc	bcz₀	bcb	bbcx
7	Holyhead (Valley)	bc	bz₀y	bxm₀	bwxm₀b
	Chester (Sealand)	bbcbfm	byz₀	bm	bmffx
8	Manchester ...	m₀zff	bffy	bffz	bmbx
10	Spurn Head ...	bc	c	bf	bfc
	Catterick ...	cmbz₀by	by	bz₀	bmofx
	Tynemouth ...	bcmffbc	bc	bcbm	bbcm
11	St. Abbs Head	b	b	b	bbcc
	Leuchars ...	bxmbcm₀	bcm₀bccy	cybcm₀cm₀	cm₀z₀
12	Renfrew (Abbots I.)	bcbbc	bcybc	bcm₀cm₀c	cbcm₀cm₀
	Eskdalemuir ...	cbcm₀bcy	bcybyb	bx	bbcm₀x
	Point of Ayre ...	b	by	bccc	bbccx
13A	Tiree	cjpcpr	c	ccir₀	crr₀r₀
13B	Stornoway ...	cprbc	pr₀cir₀	cir₀ccir₀	cir₀rr₀r₀
15	Dalwhinnie ...	cir	c	*	coc
	Aberdeen ...	cbcy	bcycy	cbcb	bcc
	Wick ...	bccir₀bc	bcc	c	c
16	Sumburgh ...	cpr₀cbc	pr₀phc	cr₀rc	cr₀r
17	Blacksod Point	b	pr	r	r
18	Malin Head ...	b	bc	c	r
	Aldergrove ...	bxbbc	bcyrcy	bbcc	bcir₀c
19	Birr Castle ...	b	b	*	c
20	Valentia Obsy.	b	bc	bc	r
	Roches Point	b	b	b	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable to westerly winds; fine after local fog early; cloudy later tomorrow with local rain in Midlands, local fog tonight; mild today; some frost in morning.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Light or moderate southwest winds veering west to northwest; becoming cloudy, with local rain or drizzle; mild.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland ↓ 12 S.W. Scotland & Isle of Man	Fresh southerly winds, veering west and moderating; cloudy, with some rain spreading from west; fair later; mild.
13A W. Scotland ... ↓	As 14–16
13B N.W. Scotland ↓	Strong westerly winds, moderating; showers; rather cold.
14 Mid Scotland 15 N.E. Scotland ↓	Fresh to strong southerly winds, gale in exposed places veering west and moderating; rain at first; showers later, but fine to lee of high ground; rather cold.
16 Orkneys and Shetlands ↓	
17 N.W. Ireland ↓ 18 N.E. Ireland ↓ 19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh southerly winds, veering west and moderating, cloudy with some rain; fair later; mild.

GENERAL INFERENCE

A depression over Faeroes is moving northeast, and a rather feeble trough is moving southeast across the British Isles. There will be rain in most districts except in South and Southeast, and showers later in north, rather cold in North; mild in South.

FURTHER OUTLOOK

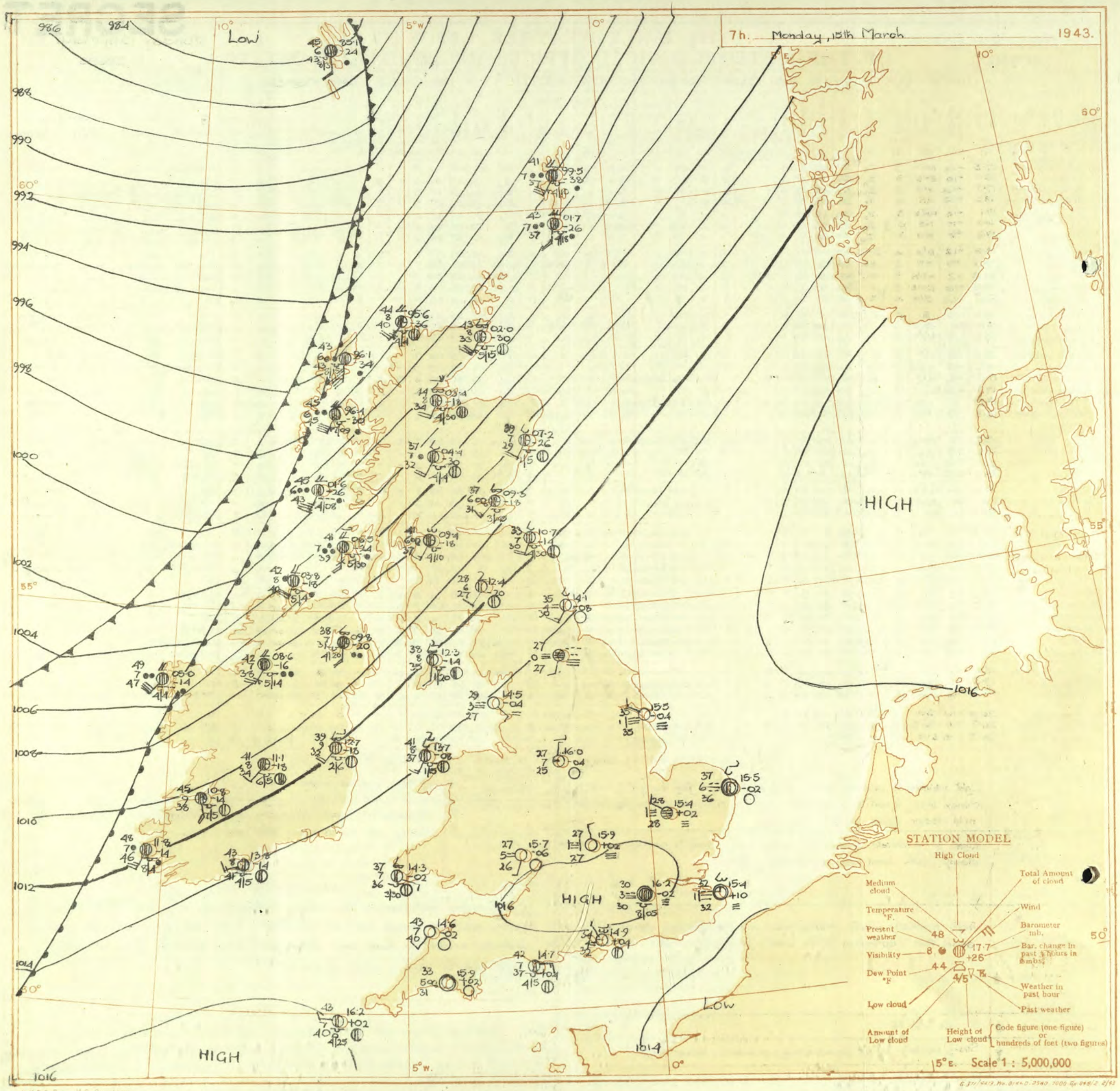
Rain spreading from west to all districts, but amounts small in South.

↓ Gale warning in operation in districts 13A, 13B, 16, and 15 + 18 (parts of) Issued 2300 GMT 14th March 1943. In districts 17, 18 (part of) Issued at 23·45 GMT 14th March 1943. In districts 11, 15 (part of) Issued 08·15 16th March 1943

Forecasts issued at 10·30.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. Slight haze.

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Monday 15th March 1943.

No. 29698

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon	290	17·2	-6	–	0	bf+	32	97	32	3	-	-	-	0	0	-
	S. Farnborough	226	16·2	-6	NW'N	1	bf	31	92	29	3	-	-	-	0	0	-
	Boscombe Down	417	16·5	-2	SE	1	z0	38	88	34	6	-	-	-	0	0	-
	Thorney Island	10	15·4	-6	N'E	2	z0	38	75	32	6	-	-	-	0	0	-
	Lympne	283	15·1	-8	NW	2	m	37	97	36	4	-	-	-	0	0	-
	Manston	154	15·3	-8	NE	2	b	38	92	37	7	-	-	1	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·3	-14	N'E	3	z0	37	92	35	6	-	-	-	0	0	-
	Gorleston	5	17·1	-6	NE'E	3	b	42	92	39	7	-	-	-	0	0	-
	Mildenhall	15	16·4	-12	–	0	bF+	30	92	28	1	-	-	-	0	0	-
	Cranwell	203	17·2	-10	N	2	bF+	31	97	31	1	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·7	-6	NE	1	z0	32	97	32	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·7	-8	ENE	2	b	43	75	34	7	-	-	-	0	0	-
	Bristol	209	16·8	-10	–	0	m	33	92	31	4	-	-	-	0	0	-
	Portland Bill	32	16·1	-10	SE	3	b	42	85	38	7	-	-	-	0	0	-
	Plymouth	82	16·7	-6	–	0	z0	39	97	37	5	-	-	-	0	0	-
	The Lizard	240	16·2	-4	NNE	3	b	42	92	40	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	16·9	-2	N'E	1	b	44	92	32	6	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	16·5	-12	ENE	2	b	39	88	35	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	16·2	-10	–	0	z0	32	85	29	6	-	-	-	0	0	-
	Chester (Sealand)	16	16·6	-14	–	0	m	32	85	29	4	-	-	-	0	0	-
8	Manchester	235	17·1	-6	SE	1	m	31	85	27	4	-	-	-	0	0	-
10	Spurn Head	29	17·3	-16	WNW	2	bF+	37	92	34	1	-	-	-	0	0	-
	Catterick (Sc.)	192	*	*	S	1	m	29	92	27	4	-	-	-	0	0	-
	Tynemouth	108	16·4	-24	SSW	2	m	37	75	30	4	-	-	-	0	0	-
11	St. Abbs Head	280	14·7	-14	SW	3	b	36	92	33	7	5	-	-	Tr	Tr	4000
	Leuchars	36	13·5	-16	SW	1	z0	34	85	29	6	-	7	7	0	9+	-
12	Renfrew (Abbots I.)	19	13·2	-22	S'W	1	c	39	75	31	7	5	3	6	1	9+	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15·5	-12	SW	3	b	38	75	27	8	6	6	5	0	Tr	*
13A	Tiree	44	07·5	-32	SSW	7	ir0	45	85	41	7	-	2	-	10	10	2500
13B	Stornoway	15	03·4	-28	S	9	ir0	44	97	43	7	5	2	-	7-8	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11·9	-22	SSW	3	c	38	85	33	8	-	7	-	0	10	-
	Wick	114	08·2	-40	S'W	5	c	44	75	35	8	5	2	-	7-8	10	2500
16	Sumburgh	19	07·4	-22	S	5	c	45	85	40	7	5	1	7	4-6	10	3000
17	Blacksod Point	18	09·3	-26	S	7	r0r0	47	75	39	7	6	2	-	7-8	10	1500
18	Malin Head	84	09·5	-18	S'W	4	c	42	75	34	8	5	-	-	10	10	2500
	Aldergrove	268	14·3	-14	S	2	z0	38	92	36	6	-	1	-	0	10	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·1	-22	SSW	4	c	44	75	37	9	5	-	-	9+	9+	4000
	Roches Point	22	16·8	-14	–	0	b	39	92	37	8	-	-	1	0	1	-

OBSERVATIONS at 7 hr. G.M.T. 15th March

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)	15·1	+4	NW	1	b-bcf	33	92	30	3	5	-	-	2-3	2-3	4000	1	*
Croydon	16·2	-2	–	0	of	30	97	30	3	5	-	-	10	10	500	0	*
S. Farnborough	15·6	+4	–	0	bf	26	92	26	1	-	-	-	0	0	-	3	*
Boscombe Down	16·3	+2	N'W	2	m	31	92	30	4	5	-	-	Tr	Tr	1500	0	*
Thorney Island	14·9	+4	NW'N	1	m	34	92	32	4	-	3	1	0	Tr	-	0	*
Lympne	14·2	+2	NNW	2	f	37	92	34	2	-	-	-	10	10	<150	1	§2
Manston	15·4	+10	–	0	bF+	32	97	32	1	-	5	-	0	1	-	0	*
Shoeburyness	14·6	0	N	1	m	31	97	30	4	-	4	2	0	2-3	-	3	*
Felixstowe	14·5	-2	N'W	2	m	32	97	32	4	-	-	6	0	4-6	-	0	
Gorleston	15·5	-2	–	0	if	32	97	36	6	-	4	1	0	4-6	-	0	3
Mildenhall	15·4	+2	WNW	2	F	28	97	28	1	-	-	-	10	10	<150	0	*
Cranwell	15·6	0	NW	1	F-	28	97	28	1	-	-	-	10	10	<150	0	*
Birmingham	15·7	-2	–	0	bf	31	92	29	3	-	-	-	0	0	-	0	*
Upper Heyford	15·9	+2	N'W	1	bF	27	97	27	1	-	-	-	0	0	-	1	*
Ross-on-Wye	15·7	-6	S'W	1	fg	27	92	26	5	-	-	-	0	0	-	0	*
Hartland Point	14·6	-2	SW	2	b	43	92	40	7	-	-	-	0	0	-	0	2
Bristol	16·2	+4	–	0	m	28	97	28	4	-	-	-	0	0	-	3	*
Portland Bill	14·7	+4	E	3	bc	42	85	37	7	5	-	-	4-6	4-6	2500	1	3
Plymouth	13·9	+2	–	0	z0	33	97	31	5	-	-	-	0	0	-	0	1
The Lizard	15·6	-2	NE	2	z0	41	92	40	6	-	-	-	0	0	-	0	
Scilly (St. Mary's)	16·2	+2	W	2	bc	43	92	40	7	7	-	-	4-6	4-6	2500	0	2
Guernsey																	
Pembroke	14·3	-2	E'S	1	bc	37	97	36	7	5	7	-	2-3	4-6	3000	0	2
Holyhead (Valley)	13·7	-8	SSW	3	c-bc	41	85	37	8	5	4	6	Tr	7-8	1500	0	1
Chester (Sealand)	14·4	-8	–	0	bf-	29	85	25	3	-	-	-	0	0	-	3	*
Manchester	15·1	-6	E	2	z0	29	92	26	6	-	-	-	0	0	-	3	*
Spurn Head	15·5	-4	W'N	2	bF+	35	97	35	1	-	-	-	0	0	-	1	0
Catterick (Sc.)	*	*	SSW	2	F	27	97	27	0	-	-	-	10	10	<150	2	*
Tynemouth	14·1	-8	SW	3	m	35	85	30	4	-	4	-	0	2-3	-	0	
St. Abbs Head	10·7	-14	SSW	4	c-bc	33	85	30	7	5	4	-	4-6	7-8	3000	0	
Leuchars	09·3	-18	SW	3	z0	37	75	31	6	5	7	-	2-3	9+	4500	0	*
Renfrew (Abbots I.)	09·4	-18	SSW	3	z0	41	85	37	6	5	3	-	4-6	9	1000	0	*
Eskdalemuir	12·4	-20	SW'S	2	bc	28	97	27	6	-	-	6	0	4-6	-	3	*
Point of Ayre	12·3	-14	S'W	2	c-bc	38	92	35	8	5	7	5	Tr	7-8	2000	0	2
Tiree	01·6	-26	S'W	8	t0t0	45	92	43	6	6	2	-	4-6	10	800	1	6
Stornoway	96·1	-34	S	9	t0t0	43	97	43	6	5	-	-	10	10	1500	1	7
Dalwhinnie	04·4	-30	SSW	4	ir0	37	85	32	7	5	4	-	4-6	7-8	1500	1	*
Aberdeen †	07·2	-26	SSW	4	c	39	65	29	7	5	4	-	Tr	9+	2500	0	3
Wick	02·0	-30	SSW	6	c	43	65	33	8	5	7	-	7-8	9	1500	0	*
Sumburgh	01·7	-26	S'W	5	r0r0	43	75	37	7	5	2	-	4-6	10	1800	1	3
Blacksod Point	05·0	-14	SW	8	r0r0	49	92	47	7	6	2	-	4-6	10	1500	2	6
Malin Head	03·8	-18	S'W	6	ir0	42	92	40	8	5	2	-	7-8	10	1500	1	3
Aldergrove	09·8	-20	S	4	c/r	38	75	31	7	5	7	-	4-6	9+	2000	1	*
Birr Castle	11·1	-18	SW	2	c	41	75	34	8	5	-	-	9	9	2500	1	*
Valentia Obsy.	11·8	-14	SSW	5	ir0	48	92	46	7	5	-	-	10	10	1500	1	3
Roches Point	13·8	-14	WSW	3	bc	43	92	41	8	5	-	-	4-6	4-6	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 14th Hrs. (38)
London (Kew)	54	31	14	-	Tr	8·0
Croydon	55	28	22	-	-	7·7
S. Farnborough	55	25	15	-	-	8·7
Boscombe Down	53	29	25	-	-	8·6
Thorney Island	55	33	24	-	-	*
Lympne	51	34	31	-	0·1	8·5
Manston	49	32	28	-	-	0·8
Shoeburyness	51	30	20	-	-	8·2
Felixstowe	50	32	27	-	-	[illegible]
Gorleston	46	36	27	-	-	*
Mildenhall	55	27	18	-	Tr	8·3
Cranwell	52	27	25	-	Tr	8·7
Birmingham	51	30	17	-	-	7·0
Upper Heyford	54	30	23	-	-	*
Ross-on-Wye	52	26	18	-	-	10·0
Hartland Point	50	40	32	-	-	9·3
Bristol	53	28	19	-	-	8·1
Portland Bill	50	41	*	-	-	*
Plymouth	54	32	21	-	-	9·3
The Lizard	51	40	*	-	-	9·4
Scilly (St. Mary's)	50	41	*	-	-	9·1
Guernsey						
Pembroke	50	37	*	-	-	9·2
Holyhead (Valley)	50	31	21	-	-	*
Chester (Sealand)	54	29	19	-	-	7·6
Manchester	51	28	16	-	-	*
Spurn Head	48	33	*	-	-	8·4
Catterick (Sc.)	52	26	22	-	-	8·5
Tynemouth	50	32	29	-	-	*
St. Abbs Head	53	31	*	-	-	*
Leuchars	53	33	21	-	-	9·7
Renfrew (Abbots I.)	51	34	28	-	-	9·5
Eskdalemuir	48	19	12	-	-	8·2
Point of Ayre	51	31	*	-	-	10·0
Tiree	50	42	40	3	5	1·8
Stornoway	51	41	41	1	3	4·4
Dalwhinnie	45	36	33	0·3	Tr	4·1
Aberdeen †	55	38	32	-	-	8·8
Wick	51	42	40	0·4	-	*
Sumburgh	46	42	35	2	0·6	4·0
Blacksod Point	51	46	*	0·1	4	*
Malin Head	52	41		-	Tr	8·5
Aldergrove	52	36	30	-	Tr	8·5
Birr Castle	53	33	27	-	-	8·9
Valentia Obsy.	51	42	36	Tr	Tr	7·1
Roches Point	51	38	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th March $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 15th March $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	87	02854	23415	87	02763	17315	51	02763	16427	57	22754	49767
115				52	64735	20567	52	81845	16488	52	02844	53527
203				8-	02847	20527	5-	25848	16628			
206	8·	82847	51587	87	02865	20486	03	02990	18527	57	02864	18426
210	74	01962	53524	43	02863	18426	57	02864	17328	59	02864	17427
219	43	02864	19415	57	62846	18587	52	64745	16768	52	62637	51868
230	51	02854	16387	53	02857	17127	5-	02863	16328	62	64755	16468
245	20	01852	21314	54	01862	20314	04	02790	21316	59	02761	18316
260	14	01861	53412	50	01861	24312	53	01762	24314	57	02863	20326
278	10	01852	18302	40	01863	15213	50	01863	12203			
279	20	01953	20213	03	01990	20311	00	05690	06110	04	05590	18215
285										53	05643	02314
288	00	05690	00000	00	17590	07112	00	05690	19310	00	47190	18240
575	8·	02855	18215	40	02855	20226	53	02854	16327	52	22745	52568
301	00	00890	08200	00	08490	30200	00	08490	10140	00	45390	11140
321	00	05690	01145	00	01790	08214	00	47090	00040	--	48009	00049
2.3				04	01790	02113	00	04090	20140	--	481-9	20249
292	00	05690	00040	00	01790	00013	--	48109	16149	--	46109	12259
310												
614	00	05690	06225	04	05690	04125	00	47090	00000	--	46009	26149
333	00	17690	10220	00	17690	26101	00	05690	00000	04	05590	00013
334										--	04390	00001
340	04	05690	00014	00	05690	12100	00	47390	16140	00	45390	18140
136	00	01790	04313	00	01790	05313	00	43190	17x38	00	47109	00043
336										50	05643	04313
350	00	05690	04425	00	01790	03314	00	05590	32100	--	46109	00049
368	04	05590	06202	00	05590	04104	00	05590	00010	50	05561	00003
379	00	01790	32314	00	05690	02314	00	05690	04200			
390	00	05690	06323	03	05690	04113	00	05590	00000	00	45190	00040
382				00	05690	02313	00	05690	04200	--	48009	00009
438	54	05662	03513	07	05690	04314	00	05690	32400	54	09663	32314
430	00	17490	03414	50	05661	04213	00	05690	04100	03	05690	02113
409	00	05690	01302	10	05663	02303	00	47290	12100	00	04690	20140

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th March
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	bmbcmy	bcz0mw	bcmfx
Croydon	bfbz0y	bcz0y	bwfxcf
Greenwich	byz0	byz0	bmfFx
Camden Square	O	O	*
Kensington	bc	bc	*
Hampstead	bcm	cmx	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max 0·4 [illegible] 7-24h 14th; Min 0·1 Time 1-5h 15th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	54	31	14	–	Tr	8·0	*	*
Croydon	55	28	22	–	–	7·7	*	*
Greenwich	55	31	15	–	Tr	8·4	50	94
Westminster	56	35	28	–	–		49	89
Regents Park	55	32	22	–	–		50	90
Camden Square	57	32	25	–	–	*	*	98
Kensington	55	32	23	–	–		69	91
Hampstead	54	31	25	–	–		*	93

SECRET

Page 1 BRITISH SECTION

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

Tuesday 16th March 1943.

No. 29699

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

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)	13.7	-12	–	0	bf-	45	75	38	2	–	–	–	0	0	–
	Croydon	15.0	-10	NW	2	bf	50	65	39	3	–	–	–	0	0	–
	S. Farnborough	13.8	-14	SW	2	zo	54	45	32	6	–	–	–	0	0	–
	Boscombe Down	14.4	-14	WNW	2	b	54	45	35	7	–	–	–	0	0	–
	Thorney Island	14.2	-10	S	1	b	55	45	32	7	–	–	1	0	Tr	–
	Lympne	13.2	-10	NNW	2	zo	51	65	40	6	–	–	–	0	0	–
	Manston	13.8	-6	N'W	2	zo	45	85	40	5	–	–	–	0	0	–
2	Shoeburyness	14.5	-14	E'S	1	zo	50	75	41	5	–	–	–	0	0	–
	Felixstowe	13.4	-14	SSE	3	zo	49	85	42	6	–	–	–	0	0	–
	Gorleston	14.0	-12	ENE	1	b	47	75	39	7	–	–	–	0	0	–
	Mildenhall	14.2	-8	W	1	bc/f	40	97	39	6	5	–	–	4-6	4-6	1200
	Cranwell	13.1	-16	S	2	b	53	45	34	7	–	–	–	0	0	–
3	Birmingham	13.1	-10	WSW	2	b	51	45	31	8	–	–	1	0	Tr	–
	Upper Heyford	14.1	-12	W	1	zo	50	55	34	6	–	–	–	0	0	–
4	Ross-on-Wye	13.5	-14	SSW	2	zo	54	45	32	6	–	–	1	0	Tr	–
5	Hartland Point	14.9	0	NW	3	bc	48	75	42	8	1	4	–	4-6	4-6	2800
	Bristol	14.7	-8	WSW	3	b	54	55	40	7	–	–	1	0	Tr	–
	Portland Bill	14.3	-12	NW	2	bc	51	85	47	8	5	–	–	4-6	4-6	4000
	Plymouth	15.7	-2	SW	3	b-bc	52	65	42	7	1	–	1	2-3	2-3	2500
	The Lizard	15.6	0	NW	3	bc	52	65	41	8	7	–	–	4-6	4-6	3000
	Scilly (St. Mary's)	16.3	0	W'S	3	c	53	65	41	8	1	–	4	7-8	9	2500
	Guernsey															
6	Pembroke	14.5	-4	W'S	3	bc	49	65	38	8	1	3	1	2-3	4-6	3000
7	Holyhead (Valley)	12.7	-6	SW'S	5	c	50	55	38	8	5	9	3	Tr	9	3000
	Chester (Sealand)	12.8	-10	–	0	bc	56	45	36	7	–	–	9	0	4-6	–
8	Manchester	12.3	-14	S'W	3	zo	53	55	35	5	–	4	–	0	2-3	–
10	Spurn Head	13.9	-14	SSE	3	bf-	42	92	39	1	–	–	–	0	0	–
	Catterick	13.0	-8	S	2	m	44	75	36	4	–	3	9	0	7-8	–
	Tynemouth	11.2	-12	SSW	3	zo	52	97	52	6	–	4	1	0	4-6	–
11	St. Abbs Head	06.0	-26	SW	5	zo	45	85	39	6	5	4	–	7-8	9+	2000
	Leuchars	05.2	-22	SSW	6	c	49	65	38	7	5	7	–	4-6	9+	3500
12	Renfrew (Abbots I.)	06.2	-14	SW'S	5	roro	45	92	43	6	6	2	–	7-8	10	800
	Eskdalemuir	09.0	-18	SSW	6	c/pr	43	75	35	8	5	1	–	9	9+	1800
	Point of Ayre	10.1	-10	WSW	4	c	54	65	43	8	5	7	9	4-6	9+	6500
13A	Tiree	03.1	+22	W'N	3	c/pr	48	85	44	7	8	3	–	7-8	9	2500
13B	Stornoway	99.2	+40	WSW	8	pr	49	75	40	8	8	6	–	7-8	9	2200
15	Dalwhinnie	03.0	-18	SSW	4	rr	40	85	37	7	5	1	–	4-6	10	1500
	Aberdeen	03.3	-22	SW'S	5	c	47	65	34	6	5	7	–	1	9+	2000
	Wick	97.9	-10	S	5	cbc/r	47	85	41	9	5	7	–	4-6	7-8	4000
16	Sumburgh	95.5	-30	S	7	rr	43	92	41	6	5	2	–	9	10	1000
17	Blacksod Point	07.4	+14	N'E	3	Gbc	52	85	48	8	8	–	–	7-8	7-8	1500
18	Malin Head	04.4	+12	WSW	5	bc	52	85	48	8	8	–	–	4-6	4-6	1500
	Aldergrove	08.2	-10	S'W	3	ido	45	85	42	7	5	2	–	9+	10	1000
19	Birr Castle	09.6	-10	WSW	4	c	51	75	44	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	10.8	-2	SW	4	o/d	53	97	52	7	5	–	–	10	10	800
	Roches Point	12.2	-10	SSW	4	ido	51	97	50	8	5	–	–	9+	9+	1500

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

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)	13.3	+4	WNW	2	zo	50	45	28	5	–	–	–	0	0	–	1	*
Croydon	13.9	+18	W'N	2	zo	50	45	35	5	–	–	–	0	0	–	0	*
S. Farnborough	13.1	+2	–	0	b	53	45	31	7	–	4	–	0	Tr	–	0	*
Boscombe Down	14.2	+2	WNW	2	zo	49	55	34	7	–	3	–	0	1	–	0	*
Thorney Island	14.0	0	SSW	1	zo	49	75	40	5	–	–	–	0	0	–	0	*
Lympne	13.7	+6	SE	2	zo	43	92	40	6	–	–	–	0	0	–	0	§ 2
Manston	13.6	+2	–	0	zo	43	85	39	5	–	–	–	0	0	–	1	*
Shoeburyness	13.9	+4	SE	2	zo	46	85	40	6	–	–	7	0	10	–	0	*
Felixstowe	13.0	-2	S'W	3	zo	45	85	39	6	–	–	5	0	2-3	–	0	2
Gorleston	12.7	-10	S'E	3	b	43	92	40	7	–	–	–	0	0	–	0	2
Mildenhall	12.8	0	WSW	1	b	49	65	38	6	–	–	–	0	0	–	0	*
Cranwell	11.9	+4	SW	2	zo	48	55	34	6	–	4	–	0	Tr	–	0	*
Birmingham	12.4	0	NNE	3	b	52	35	27	8	–	4	–	0	1	–	0	*
Upper Heyford	13.1	+2	SW	1	zo	49	65	37	6	–	–	5	0	1	–	0	*
Ross-on-Wye	13.6	+10	SSW	2	b	47	65	35	8	1	–	1	Tr	Tr	5000	0	*
Hartland Point	14.2	-4	WNW	3	bc	47	85	42	9	1	4	8	2-3	4-6	2500	0	2
Bristol	14.9	+2	W	2	b-bc	44	85	40	7	–	3	–	0	2-3	–	0	*
Portland Bill	14.3	-4	SW	3	c-bc	49	92	47	7	5	–	–	7-8	7-8	4000	1	3
Plymouth	15.6	+4	W'N	3	b-bc	49	65	39	8	5	3	5	1	2-3	4000	0	1
The Lizard	15.4	0	WNW	3	bc	48	75	41	8	2	3	–	2-3	4-6	3000	0	3
Scilly (St. Mary's)	15.0	-10	WSW	3	c	49	85	45	9	5	7	–	7-8	9+	1500	0	3
Guernsey																	
Pembroke	13.5	-6	SW'W	4	c/pr	47	92	45	8	5	–	–	9	9	2500	0	3
Holyhead (Valley)	11.8	-16	SW'S	5	iro	47	85	44	7	5	7	–	9+	10	1200	1	4
Chester (Sealand)	12.3	+2	WSW	2	c-bc	49	65	39	8	5	4	–	4-6	7-8	4000	0	*
Manchester	12.0	0	W'S	3	zo	48	65	38	6	–	4	1	0	1	–	0	*
Spurn Head	11.7	0	S	3	b-bc	47	75	40	6	7	4	–	2-3	2-3	4000	0	2
Catterick	11.6	0	SSW	3	c-bc	47	65	34	7	–	9	9	0	7-8	–	0	*
Tynemouth	10.2	+4	SW	3	zo	49	65	37	6	2	4	–	4-6	4-6	2600	0	3
St. Abbs Head	07.2	+16	SW	5	c-bc	45	97	45	7	5	4	–	4-6	7-8	2500	0	4
Leuchars	06.2	+12	WSW	3	zo	46	85	43	6	5	3	9	4-6	9+	2000	0	*
Renfrew (Abbots I.)	07.5	+6	WSW	4	c	47	85	44	7	8	3	–	4-6	9	1800	1	*
Eskdalemuir	09.0	0	SSW	4	roro	41	97	41	6	–	2	–	10	10	100	1	*
Point of Ayre	09.4	0	W'S	4	c	49	85	46	8	5	–	–	10	10	4000	1	3
Tiree	06.8	+18	WSW	3	b	46	92	43	8	2	3	–	Tr	1	3000	1	4
Stornoway	02.1	+14	WSW	5	bc	44	85	39	8	3	4	–	4-6	4-6	1500	1	3
Dalwhinnie	06.0	+20	SSW	3	bc	40	75	32	8	8	4	–	4-6	4-6	2500	1	*
Aberdeen	05.2	+20	SSW	3	bc	48	75	39	8	4	4	–	Tr	Tr	2500	0	2
Wick	02.4	+26	SW	4	bc	45	75	35	9	3	7	–	2-3	4-6	3000	0	*
Sumburgh	96.7	+18	WSW	8	bc/pr	46	75	37	8	2	6	–	2-3	4-6	2000	1	4
Blacksod Point	08.9	+10	WSW	2	bc	50	85	46	8	8	–	2	2-3	4-6	2500	1	2
Malin Head	07.7	+16	W'N	3	bc	47	85	43	8	8	–	–	4-6	4-6	1500	1	3
Aldergrove	08.7	+2	SSW	3	ido	48	92	46	8	8	–	–	9+	9+	2000	1	*
Birr Castle	09.7	+2	WNW	2	bc	51	75	44	8	8	–	–	4-6	4-6	1500	1	*
Valentia Obsy.	11.8	+10	W'S	3	c-bc	50	75	43	8	8	3	1	4-6	7-8	2500	1	3
Roches Point	11.0	-6	SSW	4	e/d	50	97	49	8	5	–	–	9	9	800	1	4

PAST 24 HOURS. — WEATHER

Stations	7h.—13h. 15th (39)	13h.—18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.—7h. 16th (42)
London (Kew)	bfxff	bzoy	bzoy	bbcfx
Croydon	ofbf		bfbzbm	bmxbmxfg
S. Farnborough	bfbzo	bzoby	byzomox	bmobcfx
Boscombe Down	bmbzoby	b	bybzobmo	bmocmobf
Thorney Island	bmob	bzo	bzmbmo	bmox
Lympne	bfebcmo	bzomo	bmm w x	bmox
Manston	bbcmo	bzo	bmobx	bmxcmx
Shoeburyness	bmo	bzocmo	cmo	bcmx
Felixstowe	bmbmo	bmobbmo	bcmobmo	bm]bmxfx
Gorleston	bmb	b	bzo	bbczx
Mildenhall	of, bcmo	bcmobybmo	bmobmx	bmxbcfx
Cranwell	bmoby	bybzoy	bzoybmo	bmobcmo
Birmingham	fb	b	bbc	bc
Upper Heyford	bfxmzo	bzoy	bzobcmo	bbmobfx
Ross-on-Wye	bmfz	byzoby	bbcw	bcc
Hartland Point	bbc	bcebc	bcido	ddmo
Bristol	bmoxbmoy	bzoyb	bbccmo	cmoc
Portland Bill	bcbc	bcc	cbcb	c
Plymouth	bmozo	bc	bccmo	cdodmmo
The Lizard	bzbc	bc	bcco	ofdf
Scilly (St. Mary's)	bcc	cbcc	cido	ofdf
Guernsey				
Pembroke	bc	bccpr	xdodxmo	bcmo
Holyhead (Valley)	c	cido	ododomo	ododbf
Chester (Sealand)	bbczoy	by	c	cbcc
Manchester	bffzoy	bcbzoy	bcczomo	cmo
Spurn Head	bf	bcmo	bmo	bcmo
Catterick	pfcm	cyc	cmo	cmidof
Tynemouth	bcffmo	bcmo	bccmop	cbcbmo
St. Abbs Head	bccmo	cmoc	cbcb	bbc
Leuchars	czoc	cirоidomo	cmobmo	bmomb cmx
Renfrew (Abbots I.)	cmododoroлro	cmororododo	cbfeofe	ofoffe
Eskdalemuir	bccpro	corrro	ro of	of
Point of Ayre	c	crorc	cirobc	cbccb
Tiree	crodopre	cbc	bc	cbcc
Stornoway	croromoc	cphrbc	bcprocprob	bbcc
Dalwhinnie	crro	oiroc		obcc
Aberdeen	cczo	czobc	bcb	bx
Wick	cciroc	bc	bbc	bcbbc
Sumburgh	croromorr	crrmoprobc	bc	bbc
Blacksod Point	c	bc	c	d
Malin Head	r	r	bc	bc
Aldergrove	iro ccido	cido ccido	bcc	cbcbw
Birr Castle	pr	r	*	r
Valentia Obsy.	r	pr	bc	r
Roches Point	d	d	b	d

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light southwesterly winds; fair today; cloud spreading from west tonight; local fog tonight, with visibility becoming poor generally: mild.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Light southwesterly winds; cloudy; local coastal drizzle; much hill fog and local coast fog; mild.
8 N.W. England, 9 N. Midlands	Moderate southwesterly winds; fair at first; soon becoming cloudy, with local rain later; some hill fog later; mild.
10 N.E. England, 11 S.E. Scotland	Moderate southerly winds; fair today; cloudy later; mild.
12 S.W. Scotland & Isle of Man	As 8-9.
13A W. Scotland, 13B N.W. Scotland ✝, 14 Mid Scotland, 15 N.E. Scotland	Moderate to fresh southerly winds, strong to gale in northwest and north, veering southwest later; cloudy, with occasional rain: showers later; mild.
16 Orkneys and Shetlands ✝	As 13A-15.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Moderate southerly winds, veering west; cloudy with occasional light rain; fair later, with a few showers; mild.

GENERAL INFERENCE

A deep depression south of Iceland is moving northeast, and weak troughs of low pressure are moving east across the British Isles. Weather will be cloudy with occasional rain in the North and West; it will be fair today in the East but cloudy tomorrow, with local rain in the Northeast.

FURTHER OUTLOOK

Showers in North and West; cloudy at first in East and South, becoming fair

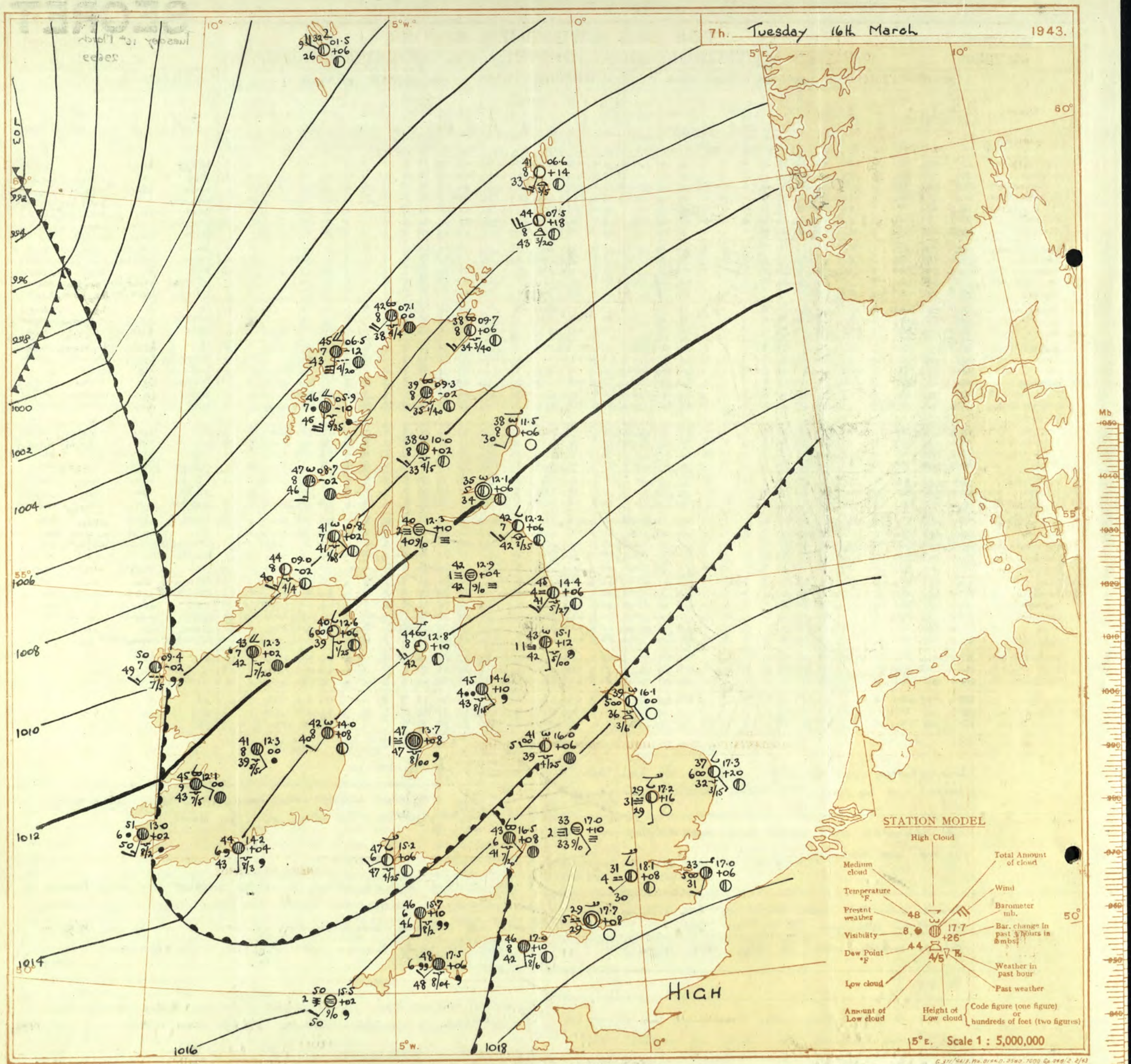
✝ Gale warning in operation in districts 13B + 16. Issued 0435 h. 16th March 1943.

Forecasts issued at 10.30

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

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

7h. Tuesday 16th March 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

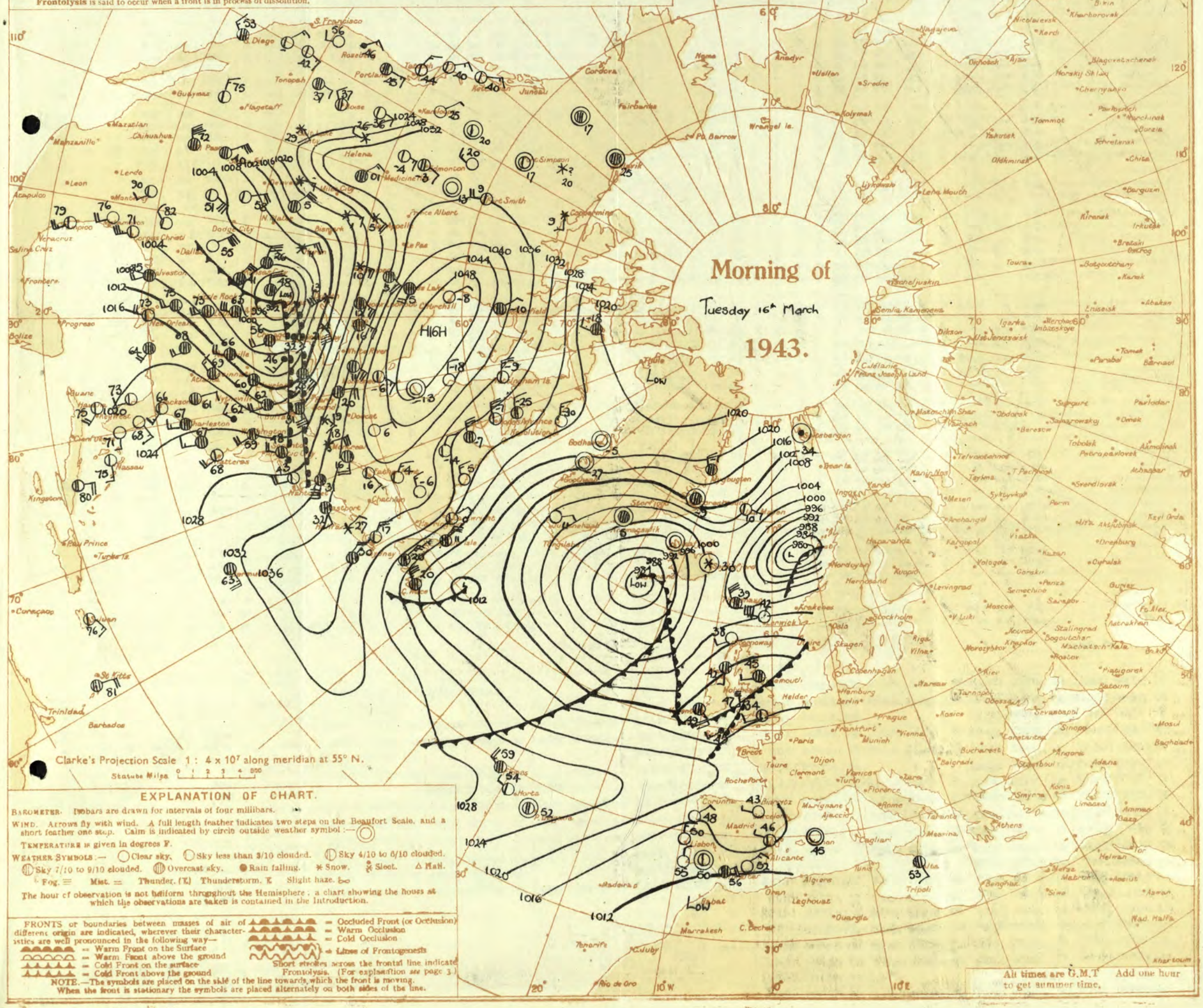
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



BRITISH SECTION

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

Tuesday 16th March 1943

No. 29699

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

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	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·7	+10	WSW	2	m	34	85	31	4	–	–	1	0	2-3	-
	S. Farnborough	226	16·6	+12	-	0	Z_0	34	92	32	5	–	–	–	0	0	-
	Boscombe Down	417	17·1	+10	W'N	1	Z_0	36	92	34	6	–	–	–	0	0	-
	Thorney Island	10	16·5	+10	W'N	1	Z_0	38	92	36	5	–	–	1	0	Tr	-
	Lympne ...	283	16·2	+6	W'S	1	Z_0	35	92	33	6	–	–	–	0	0	-
	Manston ...	154	15·5	+6	W'S	1	m	39	85	35	4	–	–	–	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15·6	+10	W'S	1	m	40	85	37	4	–	3	–	0	Tr	-
	Gorleston ...	5	14·2	+6	SW'W	2	b	41	65	30	6	–	–	–	0	0	-
	Mildenhall ...	15	15·6	+14	SW	2	m	38	75	31	4	–	–	–	0	0	-
	Cranwell ...	203	14·9	+16	W'N	3	Z_0	40	85	35	6	–	4	–	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·0	+14	–	0	Z_0	35	97	33	5	–	–	–	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·0	+4	SW	3	id	46	97	46	6	5	–	–	10	10	800
	Bristol ...	209	16·7	+10	W	1	Z_0	42	97	40	6	5	–	–	10	10	4000
	Portland Bill ...	32	16·5	+6	NW	2	b	45	85	40	8	–	–	–	0	0	-
	Plymouth ...	82	17·5	+4	–	0	Z_0	44	85	41	6	5	7	–	9	10	2000
	The Lizard ...	240	16·4	+2	SW	3	o	49	97	49	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	15·7	+2	SW	3	id_0	49	97	49	4	5	–	–	10	10	500
	Guernsey ...	175															
6	Pembroke ...	142	14·2	0	SW'W	4	Z_0	48	97	48	6	5	–	–	10	10	2500
7	Holyhead (Valley)	32	12·9	+4	S'W	3	cf+	47	97	47	3	5	–	–	10	10	200
	Chester (Sealand)	16	13·6	+6	-	0	c-bc	47	85	43	8	5	3	–	4-6	7-8	3000
8	Manchester ...	235	14·5	+10	SSE	3	Z_0	44	85	40	6	5	3	–	7-8	9	4000
10	Spurn Head ...	29	14·7	+14	SW'S	2	Z_0	41	85	36	5	–	–	–	0	0	-
	Catterick ...	175	13·7	+12	WSW	2	Z_0	45	85	43	6	5	7	–	9+	10	1500
	Tynemouth ...	108	13·1	+8	WSW	2	c/pr	45	85	42	5	8	–	–	9+	9+	2500
11	St. Abbs Head	280	11·0	+16	WSW	3	b-bc	41	97	40	7	5	4	–	1	2-3	4000
	Leuchars ...	36	11·1	+12	WSW	1	Z_0	35	97	35	6	–	4	–	0	Tr	-
12	Renfrew (Abbots I.)	19	11·3	+12	-	0	F+	34	97	34	0	–	–	–	10	10	<150
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	11·8	+12	WSW	3	c	45	65	34	3	8	–	–	9+	9+	1600
13A	Tiree	44	09·4	+2	S	2	b	45	97	44	8	–	4	–	0	Tr	-
13B	Stornoway ...	15	07·8	+8	SW	2	b/pr	38	97	37	8	–	–	–	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01·2	+14	WSW	3	b	38	85	33	8	–	3	1	0	1	-
	Wick ...	114	08·0	+14	WSW	3	b-bc	38	85	35	9	5	–	–	2-3	2-3	3000
16	Sumburgh ..	19	04·8	+30	W'S	7	b-bc	45	75	38	8	1	–	–	2-3	2-3	1500
17	Blacksod Point	18	10·2	+2	SSW	2	c	49	85	45	8	5	3	–	4-6	10	2500
18	Malin Head ...	84	09·8	+6	S'W	2	c	42	85	38	8	5	–	–	9	9	1500
	Aldergrove ...	268	31·9	+10	-	0	c-bc	42	97	41	8	5	–	–	7-8	7-8	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·1	+2	SSE	4	c	49	92	47	8	5	–	–	9+	9+	2500
	Roches Point	22	14·0	+10	W	3	b	46	92	44	8	–	–	–	0	0	-

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

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)	17·7	+8	-	0	bcf	30	92	28	2	–	–	6	0	4-6	-	1	*
	Croydon ...	18·1	+8	WSW	1	fg	31	97	30	4	–	4	2	0	4-6	-	0	*
	S. Farnborough	18·0	+10	-	0	bcf+	26	92	25	2	–	–	4	0	4-6	-	3	*
	Boscombe Down	18·2	+10	–	0	b-bcf+	33	97	33	1	5	–	5	2-3	2-3	1500	0	*
	Thorney Island	17·7	+8	–	0	fg	29	97	29	5	–	–	2	0	2-3	-	0	*
	Lympne ...	17·9	+8	SE	1	Z_0	37	97	36	8	–	–	2	0	4-6	-	3	§ 2
	Manston ...	17·0	+6	SSW	2	Z_0	33	92	31	5	–	–	8	0	9+	-	0	*
2	Shoeburyness ...	16·8	+14	–	0	m	34	97	33	4	–	–	4	0	4-6	-	3	*
	Felixstowe ...	17·2	+10	WSW	1	c-bcf+	36	92	32	8	–	7	6	0	7-8	-	0	1
	Gorleston ...	17·3	+20	SSE	1	Z_0	37	85	32	6	5	4	–	2-3	4-6	1500	0	1
	Mildenhall ...	17·2	+16	S	1	bcf+	29	97	29	3	–	4	2	0	4-6	-	0	*
	Cranwell ...	15·8	+6	W'S	3	Z_0	40	92	38	5	5	4	5	1	2-3	3000	0	*
3	Birmingham ...	16·4	+6	SSW	3	Z_0	42	85	38	5	5	3	–	2-3	4-6	2500	1	*
	Upper Heyford	17·0	+10	S'E	1	f -	33	97	33	2	–	–	–	10	10	<150	0	*
4	Ross-on-Wye	16·5	+8	SE	2	c	43	92	41	6	5	7	–	9+	10	2000	0	*
5	Hartland Point	15·7	+10	S	2	c/d	46	97	46	6	5	–	–	10	10	450	1	3
	Bristol ...	17·5	+14	–	0	cfp	45	97	44	7	5	7	1	4-6	9+	2500	0	*
	Portland Bill ...	17·0	+10	S	2	c	46	85	42	8	5	–	–	10	10	4000	1	3
	Plymouth ...	17·5	+6	SW	2	d_0d_0	48	97	48	6	5	–	–	10	10	400	1	1
	The Lizard ...	16·3	+2	WSW	2	df	50	97	50	3	5	–	–	10	10	400	1	2
	Scilly (St. Mary's)	15·5	+2	SW	2	df	50	97	50	2	–	–	–	10	10	<150	1	3
	Guernsey ...																	
6	Pembroke ...	15·2	+6	WSW	2	bc	47	97	47	6	5	4	2	4-6	4-6	2500	1	2
7	Holyhead (Valley)	13·7	+8	–	0	oF	47	97	47	1	5	–	–	10	10	<150	1	1
	Chester (Sealand)	14·6	+6	SW	1	c-bc	44	92	42	6	5	3	–	7-8	7-8	3500	0	*
8	Manchester ...	15·1	+8	SSE	3	Z_0	45	85	41	6	5	7	–	7-8	9+	4000	0	*
10	Spurn Head ...	16·1	0	SSE	2	Z_0	39	85	36	5	7	3	–	2-3	2-3	4000	0	3
	Catterick ...	15·1	+12	S	1	cF+	43	92	42	1	5	3	–	7-8	9	<150	0	*
	Tynemouth ...	14·4	+6	SW	3	m	45	85	41	4	5	–	–	7-8	7-8	2700	0	2
11	St. Abbs Head	12·2	+6	SW	3	bc	42	97	42	7	4	4	–	2-3	4-6	3500	0	2
	Leuchars ...	12·1	+6	–	0	Z_0	35	97	34	5	–	3	–	0	4-6	-	3	*
12	Renfrew (Abbots I.)	12·3	+10	ESE	2	f	40	97	40	2	–	–	–	10	10	<150	1	*
	Eskdalemuir ...	12·9	+4	S	2	F	42	97	42	1	–	–	–	10	10	<150	1	
	Point of Ayre ...	12·8	+10	WSW	3	b	44	92	42	8	–	7	8	0	1	-	1	2
13A	Tiree	08·7	-2	S	3	c	47	97	46	8	–	3	–	0	9+	-	1	3
13B	Stornoway ...	06·5	-12	S	6	c	45	92	43	7	6	2	–	4-6	10	2000	1	4
15	Dalwhinnie ...	10·0	+2	SW	3	c	38	85	33	8	5	3	–	4-6	9	2500	1	*
	Aberdeen † ...	11·5	+6	SSW	2	b-bc	38	75	30	8	–	3	1	0	2-3	-	0	2
	Wick ...	09·7	+6	SW	3	c-bc	38	85	34	8	5	4	–	2-3	7-8	4000	0	*
16	Sumburgh ..	07·5	+18	W'S	5	b-bc	44	97	43	8	2	–	–	2-3	2-3	2000	1	4
17	Blacksod Point	09·4	-2	SW	3	c/d	50	97	49	7	6	–	–	9+	9+	2500	1	3
18	Malin Head ...	09·0	-2	SSW	3	bc	44	85	40	8	5	–	–	4-6	4-6	1500	1	3
	Aldergrove ...	12·6	+6	S	1	Z_0	40	97	39	6	5	4	–	Tr	1	2500	1	*
19	Birr Castle ...	12·3	0	SSE	2	c-bc	41	92	39	8	5	–	–	7-8	7-8	2500	1	*
20	Valentia Obsy.	13·0	+2	S'W	3	ir_0	51	97	50	6	5	–	–	10	10	450	1	2
	Roches Point	14·2	+4	S	1	id_0	44	97	43	6	5	–	–	10	10	800	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 15th Hrs. (38)
1	London (Kew)	53	29	15	-	Tr	5·0
	Croydon ...	55	31	25	-	-	2·8
	S. Farnborough	57	26	15	-	-	7·7
	Boscombe Down	55	30	24	-	-	9·1
	Thorney Island	55	27	21	-	-	*
	Lympne ...	52	32	22	-	-	7·9
	Manston ...	48	32	28	-	Tr	8·7
2	Shoeburyness ...	51	32	23	-	-	6·3
	Felixstowe ...	51	34	32	-	-	9·7
	Gorleston ...	48	36	29	-	-	9·2
	Mildenhall ...	53	29	24	Tr	Tr	4·4
	Cranwell ...	55	37	29	-	-	6·0
3	Birmingham ...	54	40	32	-	-	9·6
	Upper Heyford	55	32	29	-	-	*
4	Ross-on-Wye	56	41	33	-	-	9·3
5	Hartland Point	49	45	43	-	1	8·0
	Bristol ...	55	39	33	-	-	9·0
	Portland Bill ...	51	42	*	-	-	*
	Plymouth ...	54	41	30	-	2	9·4
	The Lizard ...	52	45	*	-	1	
	Scilly (St. Mary's)	53	48	*	-	1	8·1
	Guernsey ...						
6	Pembroke ...	50	46	*	Tr	0·3	5·7
7	Holyhead (Valley)	52	46	45	Tr	2	*
	Chester (Sealand)	58	43	38	-	-	8·6
8	Manchester ...	55	43	31	-	-	*
10	Spurn Head ...	48	34	*	-	-	
	Catterick ...	54	42	39	-	Tr	3·5
	Tynemouth ...	54	44	40	-	Tr	*
11	St. Abbs Head	50	40	*	-	Tr	*
	Leuchars ...	50	32	22	-	-	1·0
12	Renfrew (Abbots I.)	47	33	29	3	0·1	0·6
	Eskdalemuir ...	46	39	35	3	0·3	1·2
	Point of Ayre ...	54	41	*	0·2	0·4	2·1
13A	Tiree	51	39	34	2	Tr	4·1
13B	Stornoway ...	50	36	30	5	1	4·1
15	Dalwhinnie ...	45	30	25	5	-	1·8
	Aberdeen † ...	48	36	29	-	-	0·0
	Wick ...	41	36	33	Tr	-	*
16	Sumburgh ..	47	41	33	5	1	0·2
17	Blacksod Point	54	46	*	1	0·1	*
18	Malin Head ...	52	40		0·2	-	3·6
	Aldergrove ...	48	36	29	2	Tr	0·0
19	Birr Castle ...	53	38	31	1	Tr	1·3
20	Valentia Obsy.	53	41	36	2	1	2·7
	Roches Point	5	40	*	0·2	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th March: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 16th March: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN
109	52	51756	51667	83	01753	55613	50	01753	22313	53	02761	20314
115	57	01844	53567	87	02844	53426	81	02844	24426	57	02844	20427
203	8+	81837	24667	84	81847	22527				57	02854	16528
206	52	64744	53668	36	25863	55484	04	01830	24201	57	02861	20117
210	19	02861	52527	16	01853	22313	53	01872	18203	07	02990	17215
219	20	01853	23413	80	01854	24414				52	61755	16568
230	57	62735	53467	76	01862	19212	13	01861	00014	57	02854	00027
245	57	02757	52528	84	05651	21484	00	05590	26102	09	01790	25214
260	57	02764	51666	57	05346	20427	03	05690	22214	--	48109	00049
278	57	62747	18368	57	02854	22367	53	05531	00054	--	46309	13149
279	07	02790	52526	52	62635	19668	5-	05638	21368	5-	05628	18428
285	53	05644	24617	57	51629	24657						
288	00	05690	18315	09	01790	18414	53	05644	20315	52	21546	23158
575	57	21834	20457	84	02854	28126	53	02752	00015	52	02757	15128
301	03	05690	25344	57	61664	21327	52	51847	16298	5-	62448	14258
321	00	08490	15440	04	05590	20101	5-	08486	18106	07	45390	12126
2.2	04	02690	18343	04	05690	18306	43	05653	20126	80	05655	22216
292	00	05590	14148	07	05590	24214	07	05590	12127	07	08490	14144
310										--	46109	20443
614	00	08490	19200	03	47390	22113	07	05590	24214	54	47354	22146

III	13h. G.M.T. 15th March: $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 16th March: $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN_h	DDFWN
333							5-	54438	16358	5-	57208	18358
334	--	01662	28114	--	02646	26317				--	02635	24116
340	04	15690	22443	54	01852	20314	57	-----	20225	57	05647	14228
136	00	05690	24240	04	05690	16201	00	05590	20200	00	08490	20103
336	13	01753	28314							57	02756	20328
350	00	00790	19200	04	05690	21201	00	08490	20100	04	05590	20144
368	10	05552	20101	54	01752	24313	5-	02748	22228			
379	00	05690	22100	00	05690	22101	05	01790	24203	00	47190	22340
390	00	05690	28140	00	08490	16100	00	47290	20140	00	47290	18144
382	00	05690	00040	04	05690	00001	00	05590	00000	57	43290	00043
438	00	05690	00000	50	05683	22313	00	05690	22200	54	05663	00013
440	00	05690	22201				00	05590	00002	50	08442	00003
409	53	02755	25325	15	01951	22323	5-	52428	17158	5-	57108	15358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 16th March.
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 ...	bxfff	bzy	bzymf	Kew 24 hours ended 7h
Croydon ...	oFbf	efbz	bmxfg	Max. Time
Greenwich ...	Ffm	bmf	bffmxf	0·9 12th 15th
Camden Square	o	o	*	Min. Time
Kensington ...	bcz	bc	*	0·2 3/7h 16th
Hampstead ...	bc	bm	bm	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew ...	53	29	15	–	Tr	5·0	*	*
Croydon ...	55	31	25	–	–	3·8	*	*
Greenwich ...	51	29	17	–	–	2·4	69	61
Westminster ...	55	32	25	—			47	95
Regents Park ...								
Camden Square	54	33	25	–	–	*	*	98
Kensington ...	56	31	23	–	–		48	86
Hampstead ...	54	34	26	–	–		*	89

BRITISH SECTION

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

SECRET

Wednesday, 17th March 1943.

No. 29700

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

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. (3)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	18·3	−2	SSW	2	z_0	51	65	41	6	-	-	-	0	0	-
	Croydon ...	19·0	0	-	0	z_0	55	55	39	6	-	-	-	0	0	-
	S. Farnborough	18·5	−2	SW'W	2	b	57	55	41	8	1	-	5	Tr	1	2500
	Boscombe Down	19·0	0	SSW	2	c	50	85	44	7	5	-	-	7-8	10	1000
	Thorney Island	19·1	+2	W	2	z_0	52	75	46	6	7	-	-	2-3	2-3	2500
	Lympne ...	19·1	−2	SSE	2	z_0	48	85	44	5	5	-	-	1	1	900
	Manston ...	19·0	+10	SW	1	z_0	56	55	38	6	-	-	-	0	0	-
2	Shoeburyness ...	19·1	+10	SW	1	m	53	65	42	4	-	-	-	0	0	-
	Felixstowe ...	18·6	+2	SSE	3	m	51	55	41	4	-	-	-	0	0	-
	Gorleston ...	18·2	0	SE'E	3	z_0	48	65	38	6	-	-	-	0	0	-
	Mildenhall ...	17·9	−4	SW	2	z_0	57	55	39	6	-	-	-	0	0	-
	Cranwell ...	16·6	+6	SW	4	bc	60	55	43	8	1	-	2	2-3	4-6	3000
3	Birmingham ...	16·9	+4	SSW	3	z_0	51	75	44	6	5	-	-	9	9	4000
	Upper Heyford	18·0	−2	WSW	2	c	52	75	45	7	5	-	-	9+	9+	1800
4	Ross-on-Wye	17·4	0	SW'S	2	id	49	92	45	4	5	1	-	9+	10	800
5	Hartland Point	16·8	+4	SW	3	c	49	97	49	6	5	6	-	7-8	9	1200
	Bristol ...	18·4	+4	SW'S	3	c	55	85	49	7	5	3	-	7-8	9+	2500
	Portland Bill ...	18·7	+6	S	2	c	49	85	45	8	5	-	-	10	10	4000
	Plymouth ...	18·5	+6	SW'S	3	d_0d	50	97	50	4	5	-	-	10	10	200
	The Lizard ...	17·3	+2	SW	3	id	52	97	52	6	5	-	-	10	10	800
	Scilly (St. Mary's)	16·7	+2	SW'S	3	f	51	97	50	2	-	-	-	10	10	<150
	Guernsey ...															
6	Pembroke ...	17·0	+6	S'W	2	z_0	48	97	48	6	5	8	-	9+	9+	2500
7	Holyhead (Valley)	15·8	+6	S	3	z_0	48	92	47	6	5	-	-	7-8	7-8	2000
	Chester (Sealand)	15·8	+2	SW	2	c-bc	57	55	43	8	1	-	-	7-8	7-8	3200
8	Manchester ...	15·9	−2	SSW	4	bc	57	55	42	7	1	-	1	4-6	4-6	4000
10	Spurn Head ...	16·7	−4	SSW	3	z_0	54	65	43	6	7	4	2	2-3	4-6	2500
	Catterick ...	15·5	0	S	3	z_0	54	65	43	5	5	3	-	9	9+	2500
	Tynemouth ...	15·3	+2	SSW	3	z_0	53	75	44	6	8	-	-	7-8	7-8	2200
11	St. Abbs Head	12·6	−4	SW	4	bc	51	85	46	7	2	6	-	4-6	4-6	3500
	Leuchars ...	12·9	+2	W	2	z_0	52	75	44	5	5	3	-	4-6	7-8	2000
12	Renfrew (Abbots I.)	12·4	−2	SW'S	4	c-bc	54	65	41	8	7	7	-	4-6	7-8	3000
	Eskdalemuir ...	13·8	+2	SW	4	c	49	85	44	8	5	-	-	9+	9+	1900
	Point of Ayre ...	14·5	+6	SW	4	bc	55	75	48	8	7	-	-	4-6	4-6	3000
13A	Tiree	09·4	+6	S	4	s_0d	47	97	47	6	5	2	-	4-6	10	1000
13B	Stornoway ...	06·2	+6	SSW	7	id	46	92	46	7	5	2	-	9	10	700
15	Dalwhinnie ...	11·0	+14	SW	3	c	46	75	38	8	5	5	-	4-6	9+	2500
	Aberdeen ...	10·8	−6	SW'S	4	b	53	55	39	8	-	4	-	0	1	-
	Wick ...	09·0	+2	SSE	3	bc	47	75	40	9	-	7	-	0	4-6	-
16	Sumburgh ...	09·0	+6	SSW	4	c-bc	48	85	44	8	-	3	-	0	7-8	-
17	Blacksod Point	10·3	+6	SSW	5	c	54	85	50	8	8	-	-	9	9	1500
18	Malin Head ...	10·1	+12	S'E	3	c	51	85	47	8	5	-	-	10	10	1500
	Aldergrove ...	12·9	−2	S	3	c	50	75	44	7	5	-	-	10	10	1200
19	Birr Castle ...	12·8	−6	SSW	2	c	54	75	47	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	13·4	−2	SW'S	4	c	55	85	51	8	2	6	-	7-8	9+	2500
	Roches Point	14·9	0	S	3	d_0d	51	97	50	5	5	-	-	10	10	800

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

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)	18·4	+6	WNW	2	z_0	53	65	42	5	5	-	5	1	4-6	4000	1	*
	Croydon ...	19·3	+6	SSW	2	z_0	54	45	34	5	1	4	1	Tr	1	3000	0	*
	S. Farnborough	18·8	+10	WNW	2	b-bc	53	65	43	7	4	4	8	Tr	2-3	3000	0	*
	Boscombe Down	19·3	+6	S'W	2	c	49	85	44	7	5	-	-	9+	9+	2500	0	*
	Thorney Island	19·0	+2	S	2	b-bc	47	85	43	8	-	-	2	0	0	-	0	*
	Lympne ...	19·4	+2	SE'S	2	F	42	97	42	0	-	-	-	10	10	<150	0	2
	Manston ...	19·3	+6	S'W	1	z_0	47	75	40	5	-	4	-	0	Tr	-	0	*
2	Shoeburyness ...	19·1	0	SSE	3	z_0	50	75	44	6	-	4	-	0	2-3	-	0	*
	Felixstowe ...	18·7	+2	SE'S	3	z_0	45	92	43	5	-	-	8	0	1	-	0	2
	Gorleston ...	18·3	+6	S'E	3	z_0	49	75	40	5	5	-	-	4-6	4-6	800	0	2
	Mildenhall ...	18·0	+4	S	2	m	55	55	40	4	-	-	1	0	2-3	-	0	*
	Cranwell ...	17·3	+10	WSW	4	z_0	55	65	43	6	4	-	-	9+	9+	2500	0	*
3	Birmingham ...	17·1	+4	S	2	z_0	51	75	44	6	5	-	2	Tr	7-8	2500	0	*
	Upper Heyford	17·9	+2	S'W	1	bc	50	85	44	7	5	3	2	2-3	4-6	4000	0	*
4	Ross-on-Wye	17·2	0	SW'S	2	c-bc	52	85	47	7	5	-	1	4-6	7-8	3000	0	*
5	Hartland Point	16·7	0	WSW	2	c	50	97	50	7	5	-	-	9+	9+	1000	0	3
	Bristol ...	18·3	+4	S	2	c	51	92	48	8	5	3	9	7-8	9	2500	0	3
	Portland Bill ...	18·9	+6	S	2	c	49	85	45	8	5	-	-	10	10	4000	0	3
	Plymouth ...	18·6	−6	SW'W	2	z_0	51	92	50	6	5	-	-	9+	9+	1200	1	1
	The Lizard ...	17·5	−6	S	3	c-bc	50	97	50	8	8	4	-	7-8	7-8	1200	1	3
	Scilly (St. Mary's)	16·5	0	SW'S	3	f	50	97	50	2	-	-	-	10	10	<150	1	3
	Guernsey ...																	
6	Pembroke ...	17·0	0	SE	2	z_0	48	97	48	6	5	-	-	9+	9+	2500	0	2
7	Holyhead (Valley)	15·9	−2	SSW	4	c-bc	47	92	46	7	5	3	-	2-3	7-8	2500	1	2
	Chester (Sealand)	16·0	+6	WSW	1	c-bc	54	65	32	8	1	4	2	2-3	7-8	4000	0	*
8	Manchester ...	16·0	+4	WNW	2	c-bc	52	65	42	7	4	-	2	2-3	7-8	5700	0	*
10	Spurn Head ...	16·8	+4	SW'W	3	c	47	85	43	7	7	-	-	9+	9+	2500	0	1
	Catterick ...	16·1	+6	WSW	2	bc	50	85	44	7	4	3	-	2-3	4-6	3000	0	*
	Tynemouth ...	15·8	+6	SW	3	z_0	53	65	41	6	2	4	-	2-3	2-3	2500	0	3
11	St. Abbs Head	12·5	−2	SW	4	b-bc	51	75	45	7	4	-	-	2-3	2-3	3500	0	3
	Leuchars ...	12·2	0	W	1	c	54	65	41	7	5	7	-	7-8	9+	2500	0	*
12	Renfrew (Abbots I.)	12·7	+6	SW'S	3	s_0d	50	85	44	7	5	-	-	7-8	10	3000	1	*
	Eskdalemuir ...	14·9	+8	SSW	3	c	44	92	42	6	5	4	-	7-8	9	700	1	*
	Point of Ayre ...	14·6	+2	SSW	2	c/f	50	85	46	7	5	-	-	9+	9+	3000	0	2
13A	Tiree	09·3	+2	S	4	bc	49	97	49	7	5	3	-	1	4-6	2500	1	4
13B	Stornoway ...	06·3	+2	S	7	id	48	97	48	6	5	2	-	9	10	600	1	6
15	Dalwhinnie ...	10·5	+2	SW	3	o	44	92	42	6	5	-	-	10	10	1500	0	*
	Aberdeen ...	11·4	+6	S	2	z_0	49	75	41	6	-	4	9	0	2-3	-	0	2
	Wick ...	09·1	+8	S	4	c-bc	51	75	42	9	5	-	-	7-8	7-8	3500	0	*
16	Sumburgh ...	08·2	−2	S	4	c	47	92	44	7	5	3	-	9	9+	5000	1	3
17	Blacksod Point	09·9	+2	S'W	6	r_0r_0	51	92	49	7	6	2	-	4-6	10	1500	1	5
18	Malin Head ...	09·6	+2	SSW	4	c-bc	52	75	45	8	2	-	1	7-8	7-8	1500	1	3
	Aldergrove ...	13·0	−2	S	3	c	50	92	48	7	5	-	-	10	10	1500	1	*
19	Birr Castle ...	12·6	0	SW	2	c	52	92	50	8	8	2	-	7-8	9	1500	1	*
20	Valentia Obsy.	13·5	+2	SSW	4	c	53	85	49	8	2	4	-	9	9+	1500	1	4
	Roches Point	14·7	0	S	3	f	50	97	49	3	-	-	-	10	10	<150	1	4

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)	bFfbz₀	bbcz₀	bzbfx	bf₀Fe
	Croydon ...	bmfqfz₀	bzy	bz₀ybmw	bmwoF
	S. Farnborough	bexbfmmby	byb	bm₀mwxF	bxₒFe
	Boscombe Down	bFcm₀c	c	ccm₀	cm₀c
	Thorney Island	bmcm₀bcz₀	bc	bmFe	Ff
	Lympne ...	boFcmm₀	bcm₀bFF	oFebF	bFbm₀x
	Manston ...	bmbz₀	bz₀	bmfg	bm₀x
2	Shoeburyness ...	bembz	bzbcz₀	bcm₀	bcfFx
	Felixstowe ...	bm	bmybm	bm₀	bmwbfoF
	Gorleston ...	bcbz₀	bmbcb	bfmm₀w	bwoffe
	Mildenhall ...	bz₀	bz₀ybzy	bzybm	bmbFFx₀
	Cranwell ...	bc,bm₀,bc	bccz₀	cz₀bm₀w	bm₀bFof
3	Birmingham ...	bccz	cfrz	bcc	co
	Upper Heyford	Fcm₀bcz₀	cbcz₀	bcm₀bm	bmofd₀d₀
4	Ross-on-Wye	coc	dcbc	c	cbcb
5	Hartland Point	cfoo	cddm₀	cid	c
	Bristol ...	cjpo	cbc	c	c
	Portland Bill ...	ce	cc	o	off
	Plymouth ...	oddmm₀	oddmc	c	cbccf
	The Lizard ...	dfido	iddfc	c	cbc
	Scilly (St. Mary's)	odfffe	offe	ffeoc	cbcc
	Guernsey ...				
6	Pembroke ...	bcffcm₀	edcm₀	cifido	ifpr
7	Holyhead (Valley)	omf	cm₀bbc	c	od₀d₀f
	Chester (Sealand)	cmbcy	bccy	bc,cbm	bbccm₀
8	Manchester ...	cm₀bcy	bcyc	cbcff	bmcm₀
10	Spurn Head ...	bcz₀	cz₀	b	f
	Catterick ...	cfm₀	cz₀czc	bcm₀jf	offx
	Tynemouth ...	cbcmc	cbcm₀	bcm₀	bccm₀m
11	St. Abbs Head	bcm₀bc	bcb	bbcc	c
	Leuchars ...	bcm₀bcm₀	cmbczcm₀	cm₀cm₀	cm₀c
12	Renfrew (Abbots I.)	cffcm₀bc	bcczd₀d₀	cm₀d₀d₀	cmcm₀d₀d₀
	Eskdalemuir ...	Ffido	cbccm₀	cm₀	od₀d₀m
	Point of Ayre ...	bbc	bbcc	c	c
13A	Tiree	ccidm₀c	cm₀bc	bcordm₀	ordm₀c
13B	Stornoway ...	cidd	cid	cd₀d₀m₀c	crc
15	Dalwhinnie ...	c	co		ocid₀o
	Aberdeen ...	bxby	byz₀	bbcwz₀	bcwcz₀
	Wick ...	cbc	c	bc	cbcc
16	Sumburgh ...	cbo	bcc	bcc	c
17	Blacksod Point	bc	r	r	bc
18	Malin Head ...	bc	c	c	r
	Aldergrove ...	cm₀c	ccid₀c	cid₀c	ccid₀m₀
19	Birr Castle ...	c	d		r
20	Valentia Obsy.	r	bc	r	r
	Roches Point	d	d	f	f

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Light southeast winds; fine, rather general fog developing after midnight and persisting till near midday; mild by day, local ground frost in morning.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate south to southeast winds; partly cloudy today, fine tomorrow; some fog after midnight except in Devon and Cornwall; mild.
9 N. Midlands ... 10 N.E. England	As 1-4
11 S.E. Scotland	Light southerly winds; cloudy today, fine tomorrow, mild.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Light southerly winds; cloudy with local drizzle and much hill fog; local fog tonight; fair tomorrow
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southwest to south winds; half cloudy; mild.
16 Orkneys and Shetlands	As 13b-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable or southerly winds; cloudy, with local drizzle and much hill fog; local fog tonight; fair tomorrow, mild.

GENERAL INFERENCE

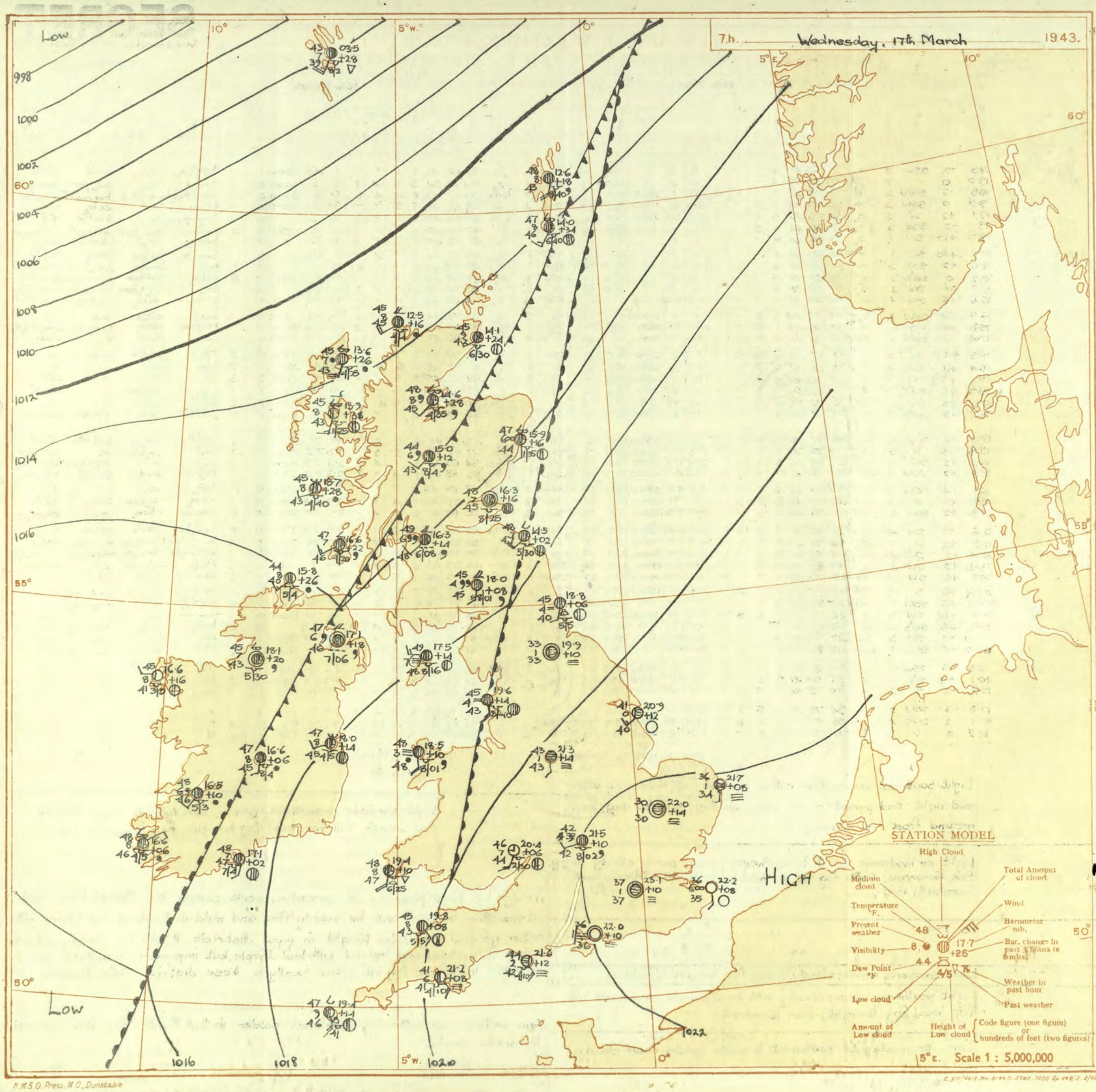
A ridge of high pressure is spreading north across the British Isles and intensifying. Weather will be mainly fine and mild in England and Wales with rather general fog later tonight in most districts. It will be cloudy and mild today in Scotland and Ireland with local drizzle, but improved conditions are expected tomorrow; fog will occur locally in these districts late tonight.

FURTHER OUTLOOK

Fair or fine all districts; somewhat colder in the South; fog less general tomorrow night.

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

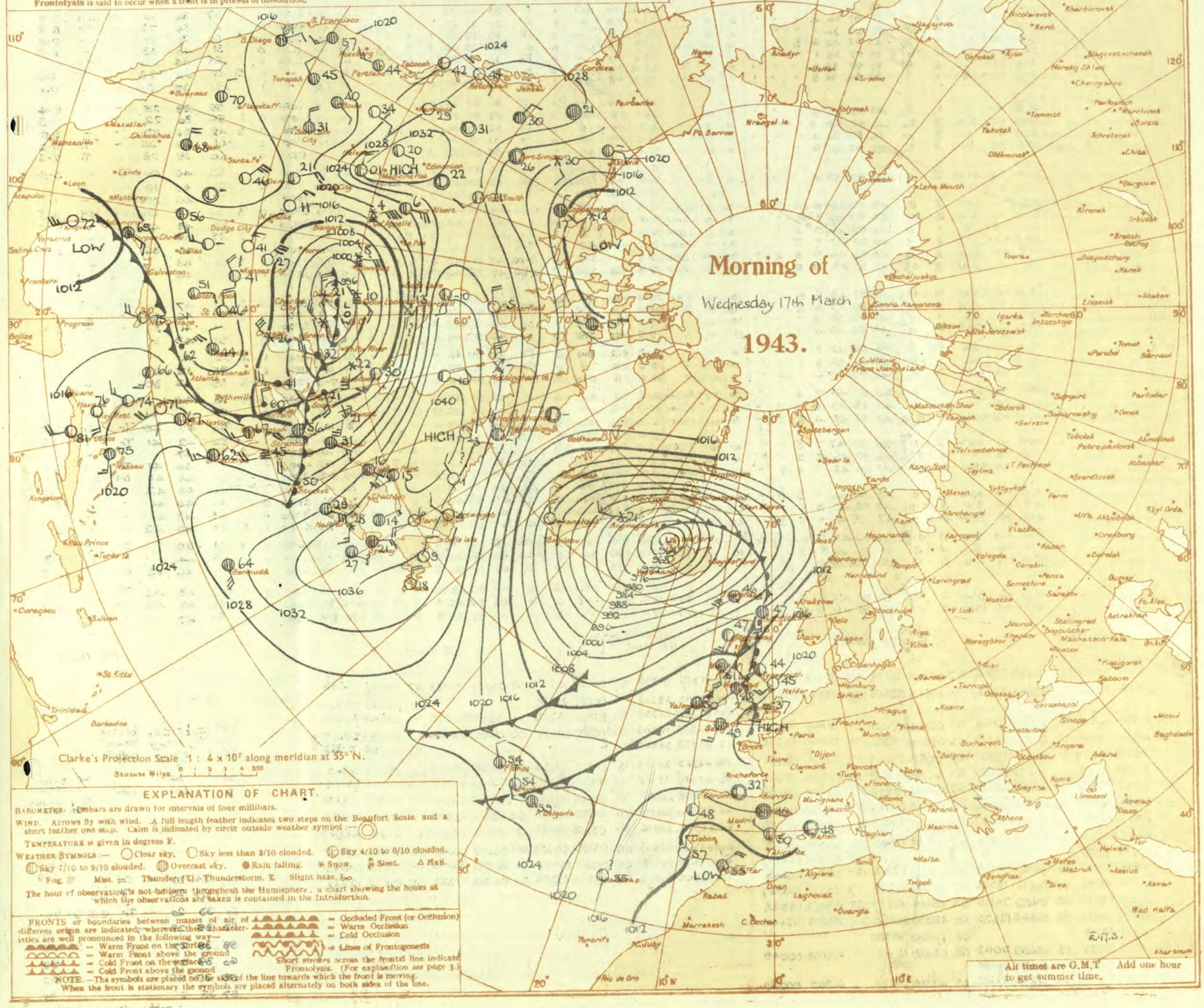
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



BRITISH SECTION

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

Wednesday, 17th March 1943

No. 29700

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·7	+6	S'W	2	m	37	97	36	4	-	-	-	0	0	-
	S. Farnborough	226	21·0	+4	-	0	bF	32	92	30	1	-	-	-	0	0	-
	Boscombe Down	417	20·9	+6	S	1	z_0	43	92	42	6	5	-	-	10	10	600
	Thorney Island	10	20·8	+2	-	0	bF+	35	97	35	1	-	-	-	0	0	-
	Lympne ...	283	21·4	+2	-	0	bF	35	97	35	1	-	-	-	0	0	-
	Manston ...	154	21·2	+2	SSW	1	fg	38	83	35	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·8	+6	S	1	z_0	42	92	40	5	-	-	-	0	0	-
	Gorleston ...	5	20·5	+2	S'E	2	z_0	40	92	38	5	-	-	-	0	0	-
	Mildenhall ...	15	20·3	+4	S	2	m	36	92	34	4	-	-	-	0	0	-
	Cranwell ...	203	19·8	+6	S	3	z_0	43	92	41	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	+6	SSW	2	m	40	97	39	4	-	+	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·3	+4	SW	3	c	49	92	46	8	4	7	-	4-6	9	1500
	Bristol ...	209	20·5	+6	S'W	2	c	48	97	47	7	5	-	-	10	10	1000
	Portland Bill ...	32	20·4	+8	S	1	0	46	85	42	7	5	-	-	10	10	2500
	Plymouth ...	82	20·3	+2	S	2	c	49	92	47	7	5	-	-	10	10	2000
	The Lizard ...	240	18·2	+2	SSE	3	c	48	92	46	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	18·1	0	S'W	3	c/p	49	97	49	7	5	-	-	9+	9+	800
	Guernsey ...	175															
6	Pembroke ...	142	18·4	+8	S'W	W	$1a_0$	48	97	48	6	5	-	-	10	10	500
7	Holyhead (Valley)	32	17·3	+2	S'E	3	z_0	48	92	47	6	5	-	-	10	10	900
	Chester (Sealand)	16	18·2	+4	S	1	z_0	41	85	39	5	-	-	-	0	0	-
8	Manchester ...	235	18·7	+10	SSE	3	m	44	92	43	4	-	-	-	0	0	-
10	Spurn Head ...	29	19·0	+4	SW	3	b	45	86	42	7	-	-	-	0	0	-
	Catterick ...	175	18·2	+4	-	0	b·bcjf	35	97	35	5	-	3	-	0	2-3	-
	Tynemouth ...	108	17·7	+4	WSW	2	z_0	44	85	39	6	-	3	-	0	4-6	-
11	St. Abbs Head	280	14·2	+4	SW	4	c	46	97	45	7	5	-	-	9+	9+	4000
	Leuchars ...	36	14·8	+6	-	0	c	47	85	43	6	5	3	-	4-6	9+	4000
12	Renfrew (Abbots L.)	19	14·4	+2	SSW	1	d_0d_0	49	97	47	4	5	2	-	9+	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	13·9	+6	SW'W	2	cjf	50	92	47	7	5	-	-	10	10	2500
13A	Tiree	44	11·5	+8	-	0	d_0	46	97	46	5	5	-	-	10	10	800
13B	Stornoway ...	15	09·0	+10	SSW	5	c	47	85	43	7	5	7	-	4-6	9+	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	13·5	+10	SSW	4	c	48	92	46	7	5	3	-	4-6	10	2500
	Wick ...	114	10·9	+8	S'W	3	c·bc	48	85	43	9	5	7	-	2-3	7-8	3000
16	Sumburgh ...	19	10·5	+6	SSW	4	c	47	97	46	8	5	3	-	4-6	9+	4000
17	Blacksod Point	18	13·2	+18	SW	3	c·bc	47	92	45	8	5	-	6	4-6	7-8	2500
18	Malin Head ...	84	11·5	+6	S	4	c	51	85	46	8	5	-	-	10	10	1500
	Aldergrove ...	268	14·6	+4	S'E	3	c	48	92	46	8	-	7	-	0	9	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·6	-6	S'W	2	i_0	50	97	49	6	5	-	-	10	10	800
	Roches Point	22	16·3	+4	SSW	2	c	47	97	46	8	5	-	-	9	9	1500

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

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)	22·4	+10	SSW	1	F	39	97	39	1	-	-	-	10	10	<150	1	*
	Croydon ...	23·1	+10	-	0	F	37	97	37	1	-	-	-	10	10	<150	0	*
	S. Farnborough	22·8	+14	-	0	oF	39	97	39	1	5	-	-	10	10	200	1	*
	Boscombe Down	21·9	+4	-	0	c	41	92	39	7	5	-	-	10	10	800	0	*
	Thorney Island	22·0	+10	-	0	F+	36	97	36	1	-	-	-	10	10	<150	1	*
	Lympne ...	22·4	+10	-	0	z_0	33	97	33	6	-	-	-	0	0	-	0	2
	Manston ...	22·2	+8	S'E	1	z_0	36	97	35	6	-	-	-	0	0	-	1	*
2	Shoeburyness ...	22·0	+8	-	0	F	30	97	30	1	-	-	-	10	10	<150	3	*
	Felixstowe ...	22·1	+8	SW'W	1	F+	33	97	32	0	-	-	-	10	10	<150	0	1
	Gorleston ...	21·7	+8	S	1	F+	36	92	34	1	-	-	-	10	10	<150	0	2
	Mildenhall ...	22·0	+14	-	0	F+	30	97	30	1	-	-	-	10	10	<150	0	*
	Cranwell ...	21·4	+14	SSW	1	f-	36	97	35	2	-	-	-	10	10	<150	0	*
3	Birmingham ...	21·2	+8	SSW	3	z_0	46	92	44	6	5	-	-	9+	9+	800	0	*
	Upper Heyford	21·5	+10	WSW	1	df	42	97	42	4	5	-	-	10	10	200	1	*
4	Ross-on-Wye	20·4	+6	S'W	3	b	46	92	44	7	5	-	-	1	1	3000	0	*
5	Hartland Point	19·8	+8	SE	3	c-bc	45	92	43	8	5	-	-	7-8	7-8	2500	0	3
	Bristol ...	21·5	+10	S	2	c	46	97	45	7	5	-	-	9+	10	2500	0	*
	Portland Bill ...	21·6	+12	S	2	f-	44	92	42	2	5	-	-	10	10	<150	1	2
	Plymouth ...	21·2	+8	SE	3	bc/f	41	97	41	6	5	-	-	4-6	4-6	1000	1	1
	The Lizard ...	19·2	0	SSE	3	b-bc	45	92	43	8	4	-	-	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	19·4	+14	SSE	3	c-bc	47	92	46	9	8	4	-	4-6	7-8	1500	1	3
	Guernsey ...																	
6	Pembroke ...	19·4	+10	S	4	c_0	48	97	47	8	7	-	-	9	9	2500	0	3
7	Holyhead (Valley)	18·5	+10	S'E	4	rF	48	97	48	8	5	-	-	10	10	100	1	3
	Chester (Sealand)	19·5	+6	S'E	1	m	44	97	43	4	5	3	-	9	10	3500	0	*
8	Manchester ...	19·8	+10	SSE	3	m	46	97	44	4	5	3	-	4-6	7-8	4000	0	*
10	Spurn Head ...	20·9	+12	SW	3	F+	41	97	40	0	-	-	-	10	10	<150	1	2
	Catterick ...	19·9	+10	-	0	F+	33	97	33	1	-	-	-	10	10	<150	0	*
	Tynemouth ...	18·8	+6	SSW	2	m	45	85	40	4	8	-	-	7-8	7-8	2200	0	3
11	St. Abbs Head	14·5	+2	SW	4	o	48	97	47	7	5	4	-	7-8	9+	3000	0	4
	Leuchars ...	16·3	+12	-	0	c	48	92	45	7	5	-	-	10	10	2500	0	*
12	Renfrew (Abbots L.)	16·3	+14	SW	2	d_0d_0	49	92	48	6	6	2	-	9	10	800	1	*
	Eskdalemuir ...	18·0	+8	S'W	3	d_0d_0	45	97	45	4	-	2	-	10	10	100	1	*
	Point of Ayre ...	17·5	+14	W	3	ojf	49	97	48	7	5	-	-	10	10	1600	0	2
13A	Tiree	15·7	+28	WSW	1	c-bc	45	92	43	8	5	3	-	4-6	7-8	4000	1	2
13B	Stornoway ...	13·6	+26	SSW	4	ir_0	45	92	43	7	5	7	-	4-6	7-8	2500	1	2
15	Dalwhinnie ...	15·0	+12	SW	2	id_0	44	97	43	6	5	-	-	10	10	1500	1	*
	Aberdeen † ...	15·9	+10	SSW	2	z_0	47	92	44	6	5	7	-	Tr	9+	3500	0	2
	Wick ...	14·1	+24	WSW	1	c	45	92	42	9	5	-	-	8	9	3000	0	*
16	Sumburgh ...	14·0	+34	SSW	3	c	47	97	46	8	5	7	-	9	9+	4000	1	3
17	Blacksod Point	16·6	+16	W	2	b-bc	45	85	41	8	5	-	-	2-3	2-3	2500	1	2
18	Malin Head ...	15·8	+26	SW	3	c-bc	44	85	40	8	5	-	-	7-8	7-8	1500	1	4
	Aldergrove ...	17·1	+18	-	0	id_0	47	97	46	6	6	2	-	9+	10	600	1	*
19	Birr Castle ...	16·6	+6	SSW	2	c	47	92	45	8	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	16·6	+6	NE	2	c	48	92	46	8	5	7	-	4-6	9+	2500	1	2
	Roches Point	17·1	+2	S'W	2	c	48	97	47	8	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)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
1	London (Kew)	57	34	20	-	0·1	7·9
	Croydon ...	61	34	29	-	Tr	8·8
	S. Farnborough	60	31	19	-	-	9·0
	Boscombe Down	51	40	33	-	-	0·0
	Thorney Island	54	34	26	-	Tr	*
	Lympne ...	48	32	23	-	Tr	7·0
	Manston ...	57	35	30	-	-	7·6
2	Shoeburyness ...	55	28	25	-	-	8·4
	Felixstowe ...	56	30	22	-	-	9·3
	Gorleston ...	49	36	29	-	-	9·5
	Mildenhall ...	61	28	26	-	Tr	9·2
	Cranwell ...	60	35	28	-	Tr	7·2
3	Birmingham ...	53	45	40	Tr	-	3·9
	Upper Heyford	53	40	35	-	Tr	*
4	Ross-on-Wye	51	46	39	Tr	-	1·1
5	Hartland Point	52	47	46	0·1	0·1	0·2
	Bristol ...	57	49	42	-	-	3·8
	Portland Bill ...	49	43	*	-	-	*
	Plymouth ...	51	40	36	1	-	0·0
	The Lizard ...	52	44	*	2	-	0·0
	Scilly (St. Mary's)	52	46	*	0·4	0·1	0·0
	Guernsey ...						
6	Pembroke ...	49	47		Tr	0·3	0·6
7	Holyhead (Valley)	59	46	44	-	2	*
	Chester (Sealand)	62	41	31	-	-	6·8
8	Manchester ...	58	43	31	-	-	*
10	Spurn Head ...	55	40	*	-	-	5·6
	Catterick ...	55	32	28	-	-	0·9
	Tynemouth ...	55	42	39	-	-	*
11	St. Abbs Head	56	44		-	-	
	Leuchars ...	57	41	41	-	-	7·6
12	Renfrew (Abbots L.)	56	47	45	Tr	Tr	2·9
	Eskdalemuir ...	52	42	41	Tr	1	3·8
	Point of Ayre ...	57	47	*	-	-	8·4
13A	Tiree	51	44	41	Tr	4	0·4
13B	Stornoway ...	50	44	41	0·1	0·6	0·1
15	Dalwhinnie ...	49	43	42	-	Tr	3·7
	Aberdeen † ...	56	46	41	-	-	9·1
	Wick ...	53	43	41	-	-	*
16	Sumburgh ...	48	46	42	-	-	3·0
17	Blacksod Point	54	39	*	0·1	5	
18	Malin Head ...	55	44		-	Tr	3·3
	Aldergrove ...	51	46	43	0·1	0·1	0·9
19	Birr Castle ...	55	45	43	Tr	0·2	0·0
20	Valentia Obsy.	56	48	45	0·1	1	3·9
	Roches Point	51	47	*	1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	57	51765	16427	57	51665	18427	57	02755	16128	52	02765	16128
115	52	02844	20527	57	02844	53527	51	61845	53568	52	02844	20468
203												
206	14	01863	20514	57	02855	20416	57	02864	00028	57	51864	20157
210	03	01990	24214	5-	02875	18225	03	02890	18326	59	02864	26228
219	52	21614	15658	5-	51747	17627	57	02865	17467	57	01851	18314
230	62	51643	17158	5-	02857	16157	5-	61755	16228	53	02854	18367
245	74	01743	22213	54	05664	22215	57	05642	17225	5-	02748	00028
260	20	02864	20314	53	05665	20226	53	02765	20326	57	02763	20225
278	57	02853	16345	57	02834	20327	5-	05637	18357	5-	05638	17228
279	13	01653	20314	44	01763	16213	62	62634	17468	52	62515	18368
285	5-	05627	24457							53	05634	32227
288	53	05655	20327	54	05561	17113	00	05590	17313	5-	08465	23125
575	59	22745	53326	80	02854	18226	52	05644	16228	57	02765	00057
301	13	05643	18325	00	01690	24113	53	08454	11227	5-	08468	14328
321	10	05654	19325	53	05664	18325	00	45390	20140	--	44309	25149
2. J	50	05654	22314				00	05590	22200			
292	50	05553	18123	03	05690	20113	03	08490	16114	--	48009	00049
310	--	01635	20415	--	01634	20314						
614	50	41558	24148	50	05563	22225	03	47390	24123	--	46309	00049

III	13h. G.M.T. 16th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	53	17356	16249	57	05634	15227	52	05626	00028	57	51627	17358
334	--	01742	28203	--	01742	26314				--	02645	20216
340	70	02755	22325	43	02862	18225	5-	05548	20228	--	08445	16228
136	10	02753	12203	00	05690	14103	00	08490	18100	00	47090	20140
336	13	01753	20314							57	02754	20328
350	10	02853	20314	13	02751	24125	00	05590	20100	--	44109	18149
368	50	05654	18155	84	05654	18225	53	02654	18117	53	01754	18114
379	5-	02747	20327	5-	02744	20225	5-	47218	24448	5-	43318	22248
390	--	45390	20149	00	45390	16140	00	45290	00040	--	44009	24149
382	8-	02966	24226	5-	02754	14125	5-	08437	00007	5-	02747	00027
438	00	05690	23200	00	05690	24300	00	05690	00000	00	04690	04200
430	10	05652	20213	00	01790	19202	--	46109	32149	--	46109	04149
409	52	51626	20458	52	51625	17358	5-	02748	17358	50	01852	12222

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th March

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 ...	bF+ bz$_0$	bbc2$_0$	bfxbFe	
Croydon ...	bmf$_g$ fz$_0$	bz$_0$y	bz$_0$ymF	Kew 24 hours ended 7h. Max. Time
Greenwich ...	bfm	bz$_0$y	bmfxFe	0·6 9–10h on 16th
Camden Square	o	o	*	
Kensington ...	bc	bc	*	
Hampstead ...	b	bm	om	Min. Time <0·1 15–16h on 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 % Yesterday	Humidity 9h % Today
Kew ...	57	34	20	-	0·1	7·9	*	*
Croydon ...	61	34	29	-	Tr	8·8	*	*
Greenwich ...	60	33	20	-	Tr	8·5	38	98
Westminster ...	59	35	28	—			45	100
Regents Park ...	58	38	27	-	-		53	95
Camden Square	60	38	27	-	-	*	*	98
Kensington ...	59	37	26	-	--		65	96
Hampstead ...	57	35	31	-	-		*	98

SECRET

Page 1 BRITISH SECTION

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

Thursday 18th March 1943.

No. 29701

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

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)	22·6	-6	N'E	1	bf+	49	75	42	3	-	-	-	0	0	-
	Croydon	23·5	-2	NW	1	of	49	75	42	3	-	-	-	0	0	-
	S. Farnborough	22·4	-12	E	2	zo	52	75	43	5	-	-	-	0	0	-
	Boscombe Down	22·1	-10	SE	1	zo	54	65	42	6	-	-	-	0	0	-
	Thorney Island	21·8	-6	S	1	zo	48	85	43	6	-	-	-	0	0	-
	Lympne	22·0	-8	SE	2	zo	57	55	41	6	-	-	-	0	0	-
	Manston	23·1	+4	N'W	2	c-bcf+	44	85	41	3	5	-	-	7-8	7-8	200
2	Shoeburyness	22·9	-2	-	0	bf-	48	92	45	3	-	-	-	0	0	-
	Felixstowe	22·6	+10	-	0	~	55	65	45	4	-	-	-	0	0	-
	Gorleston	23·1	+4	-	0	zo	47	75	42	6	-	-	-	0	0	-
	Mildenhall	23·1	0	-	0	b/f	48	85	43	5	5	-	-	Tr	Tr	1500
	Cranwell	22·3	0	S'W	2	zo	57	65	42	6	1	-	-	4-6	4-6	2000
3	Birmingham	21·7	0	SE	2	bc	56	55	41	8	5	-	-	4-6	4-6	4000
	Upper Heyford	22·2	-2	SE'S	1	zo	53	65	43	6	-	-	-	0	0	-
4	Ross-on-Wye	21·1	0	N'E	2	zo	57	55	42	6	1	-	-	Tr	Tr	3000
5	Hartland Point	20·9	0	W	1	b	50	85	45	7	1	-	-	Tr	Tr	2500
	Bristol	22·1	-2	S	1	b	58	65	46	8	1	-	-	Tr	Tr	4000
	Portland Bill	21·5	-4	E	2	o	43	92	41	7	5	-	-	10	10	2500
	Plymouth	21·8	-4	E'S	3	zo	51	75	45	6	5	-	-	1	1	2000
	The Lizard	20·5	+2	ESE	4	zo	51	75	47	6	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	20·1	0	SE'S	3	b	54	85	49	7	1	-	-	1	1	1800
	Guernsey															
6	Pembroke	21·5	+2	S'E	3	c	49	85	46	8	5	-	-	9	9	2500
7	Holyhead (Valley)	21·4	+10	S	2	dodo	49	97	48	5	5	-	-	10	10	100
	Chester (Sealand)	21·1	+4	SSE	1	c	57	65	47	8	7	-	-	9+	9+	3600
8	Manchester	21·3	0	SW	2	c	55	75	47	7	2	3	-	4-6	9+	2500
10	Spurn Head	22·6	+2	ESE	2	zo	46	85	42	5	2	3	-	2-3	2-3	4000
	Catterick (Sc)	21·7	+2	S	2	cf+	50	85	44	3	5	7	-	9	9+	1000
	Tynemouth	21·3	+10	SSW	2	zo	57	65	46	5	8	-	-	9+	9+	2400
11	St. Abbs Head	19·5	+14	SSW	3	c	53	85	40	7	5	-	-	9+	9+	3000
	Leuchars	19·8	+10	-	0	zo	52	75	48	6	5	7	-	9+	10	2000
12	Renfrew (Abbots I.)	20·4	+14	-	0	zo	52	85	49	5	5	2	-	7-8	10	1000
	Eskdalemuir	21·1	+6	S'W	2	dF	46	92	46	1	-	-	-	10	10	<150
	Point of Ayre	20·4	+8	SE'S	1	iro	50	92	48	7	5	2	-	7-8	10	2500
13A	Tiree	20·5	+22	S	2	c	53	75	45	8	1	-	2	2-3	9	2500
13B	Stornoway	19·2	+22	S	4	c	49	85	45	8	1	-	6	4-6	9	2000
15	Dalwhinnie	20·0	+20	WSW	2	c	51	65	41	8	8	3	-	4-6	9+	2500
	Aberdeen	19·6	+14	WNW	2	c	59	55	45	7	1	7	-	1	9+	3500
	Wick	20·0	+26	W	2	c	54	65	41	9	7	7	5	2-3	9+	4000
16	Sumburgh	19·1	+22	SW'W	3	c-bc	49	92	47	9	-	3	6	0	7-8	-
17	Blacksod Point	18·9	+8	S	1	c-bc	52	75	45	8	2	-	6	2-3	7-8	2500
18	Malin Head	19·4	+12	N	1	c-bc	50	75	43	8	1	-	7	1	7-8	2500
	Aldergrove	19·6	+4	-	0	zo	51	85	47	6	5	2	-	9	9+	1000
19	Birr Castle	18·7	+6	S	1	ir	51	85	47	7	5	-	-	10	10	1500
20	Valentia Obsy.	17·8	+6	-	0	id	51	92	49	6	5	-	-	10	10	800
	Roches Point	18·8	+4	SE	3	dr	50	97	50	5	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 17th March — 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. 17th (39)	Weather 13h.–18h. 17th (40)	Weather 18h. 17th to 1h. 18th (41)	Weather 1h.–7h. 18th (42)
London (Kew)	21·1	-6	NNE	1	bf	47	75	40	2	-	-	-	0	0	-	1	*	ofbmf	bff	bffx	bFFx
Croydon	22·4	+2	-	0	~/f	49	75	41	4	-	-	-	0	0	-	0	*	oFbf	Fbz	bzbfo	bfwbfx
S. Farnborough	21·2	-2	ESE	1	bf+	55	55	39	3	-	-	-	0	0	-	0	*	oFedofcmbzo	bzoybf	bfybfF	bFx
Boscombe Down	21·2	-4	-	0	zo	54	65	41	6	-	-	-	0	0	-	0	*	ccmobmo	bzoy	bzbz	bzbfbm
Thorney Island	20·9	-2	-	0	zo	48	85	45	6	-	4	-	0	Tr	-	0	*	cmbmo	bmo	bmbmfy	bfybm
Lympne	21·0	-4	NE	1	zo	48	75	41	5	-	-	-	0	0	-	0	§2	bmozoy	bmoxbzo	cxcxz	bmwoF
Manston	21·8	-4	NNE	2	m	43	92	40	4	-	-	-	0	0	-	0	*	bmozoy	bz	bmbf	bf
Shoeburyness	22·0	-4	SSW	1	zo	44	92	42	5	-	-	-	0	0	-	0	*	f	Fbm	bm	bmbfx
Felixstowe	22·5	-6	NE	3	zo	47	85	42	5	-	-	-	0	0	-	0	1	bfbm	bzbmo	bmbmbm	bmbmo
Gorleston	22·1	-2	-	0	zo	47	75	30	6	-	-	-	0	0	-	0	1	bmobzo	bzo	bzo	bzofzo
Mildenhall	21·7	-6	N	1	zo	52	75	43	6	-	-	1	0	Tr	-	0	*	oF,bmo	bzo	bzbmx	bmbFFx
Cranwell	21·9	+2	SE	1	zo	50	65	39	6	-	-	-	0	0	-	0	*	Fbczo	bcbzoy	bmbf	bfbm-bm
Birmingham	21·4	+2	ESE	2	zo	52	65	41	6	-	-	-	0	0	-	0	*	obc	cbb	bm	bmF
Upper Heyford	21·2	-6	E	1	zo	54	65	40	6	-	-	-	0	0	-	0	*	dodofcmo	bzoy	bzobm bzo	bmbf
Ross-on-Wye	20·8	0	SE	2	b	55	55	39	7	-	-	-	0	0	-	0	*	b	by		bmxf
Hartland Point	20·0	-6	NE	2	b	47	85	43	7	-	-	-	0	0	-	0	3	cb	b	b	
Bristol	21·3	-2	SE	1	zo	51	85	47	6	-	-	-	0	0	-	0	*	b	b	bmbfx	bfmfx
Portland Bill	20·1	-4	E	2	f	41	92	41	2	5	-	-	10	10	<150	1	3	o	off	bc	bcc
Plymouth	20·9	-2	E	3	z	47	85	44	6	-	-	-	0	0	-	0	1	cbmozo	bzobmo	bmmF	bFFx
The Lizard	19·6	-6	E	4	zo	46	92	44	6	5	-	-	9+	9+	1000	0	4	bccz	cocz	oFF	oFFm
Scilly (St. Mary's)	19·6	-2	SE'E	4	zo	48	92	46	6	5	-	-	9+	9+	400	0	3	cbcb	bofc	cw	com
Guernsey																					
Pembroke	20·6	0	SE'S	1	zo	47	92	44	7	5	-	-	2-3	2-3	2500	0	2	c	bcmo	bomw	bccm bw
Holyhead (Valley)	21·1	-2	S	1	c	48	92	46	8	5	-	-	9+	9+	3500	1	1	od.d.mom	od.domoc	bcwmz	cbFe
Chester (Sealand)	21·1	+2	NW	2	b-bc	49	85	47	6	5	3	-	Tr	2-3	4000	0	*	cmo	cbcmo	bcmm	F
Manchester	20·9	-2	N'W	1	c-bcF+	53	85	46	1	4	-	-	7-8	7-8	4000	0	*	cmiromozo	ecbc zoF	cbFFF	bffmfx
Spurn Head	22·6	0	SE'E	3	zo	44	85	40	5	7	3	-	2-3	2-3	4000	0	3	fbcmo	bcmo	bm	bcm
Catterick (Sc)	22·4	+4	-	0	zo	50	92	48	6	5	3	-	7-8	9	1500	0	*	cfmf	cmmo	cfbm	bfoFe
Tynemouth	22·8	+6	SSE	2	zo	48	75	43	6	5	-	-	9+	9+	2400	0	2	cmo	cmo	cmm	cmoFF
St. Abbs Head	21·6	+10	SE	1	zo	52	92	50	7	5	2	-	7-8	9+	3000	0	2	c	czo	crocm	FcmF
Leuchars	21·9	+14	SSW	1	roro	51	97	48	6	5	7	-	4-6	10	4000	1	*	ccmo	cmororo	rorcm	crmodxm
Renfrew (Abbots I.)	21·5	+6	E'S	1	iro	52	85	48	5	-	2	-	10	10	1000	1	*	cmododroro cmo	cmoiro	cfdodcf	cfcm
Eskdalemuir	21·9	+8	-	0	roro	47	97	46	6	-	2	-	10	10	200	1	*	odoF	odoFro	crf	Ffomo
Point of Ayre	21·5	+4	-	0	df	48	97	48	6	5	-	-	10	10	800	1	1	c	rorodf	dfifc	cffzb
Tiree	21·7	+6	SE	1	zo	48	97	48	6	-	7	-	0	9+	-	1	1	c	c	c	cciro
Stornoway	22·5	+18	SSW	4	c-bc	48	85	44	8	-	4	9	0	7-8	-	1	2	cirozcc	c	cbcc	ciro
Dalwhinnie	22·0	+12	NW	1	c	47	75	40	8	5	3	-	4-6	9+	2500	0	*	oidoc	c	*	cid
Aberdeen	22·4	+16	ENE	1	iro	47	92	44	6	5	7	-	9+	10	2500	0	1	czo	czoirozo	czo	czoirom
Wick	22·8	+18	-	0	c	46	92	44	8	2	-	9	2-3	9	3500	0	*	c	bcc		c
Sumburgh	22·8	+10	W'N	2	c	47	85	44	8	-	5	2	0	9	-	0	3	cbc	bcc	c	cbc
Blacksod Point	18·5	-10	E	2	roro	50	85	46	7	-	2	-	10	10	2500	1	2	bc	r	r	bc
Malin Head	19·9	-2	NE'E	3	c	47	85	43	8	5	-	-	10	10	2500	1	3	bc	c	r	r
Aldergrove	20·4	+2	E	1	d.d.	49	92	47	5	5	-	-	10	10	500	1	*	cidomocmo	cdodomo	dodocmm	cmdobccm
Birr Castle	18·1	-2	S	2	c	51	92	49	7	9	2	-	7-8	10	1500	1	*	r	r	*	bc
Valentia Obsy.	17·2	-4	S'W	1	c/r	51	92	49	8	5	-	-	10	10	2500	1	1	r	r	r	bc
Roches Point	18·8	0	S	3	dd	49	97	48	6	5	-	-	10	10	450	1	4	r	r	d	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Light or moderate east wind; mainly fine; local coast fog; morning mist or fog inland; mild during day; ground frost at night.
10 N.E. England; 11 S.E. Scotland	Light or moderate east wind, cloudy; rather cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	As 1-9.
15 N.E. Scotland	As 10-11
16 Orkneys and Shetlands	As 10-11
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Light or moderate east wind, fair; mild during day; ground frost locally at night.

GENERAL INFERENCE

A large anticyclone centred over East Europe extends to the British Isles. Weather will be mainly fine apart from local fog near the east coast, and mist or fog inland in the morning.

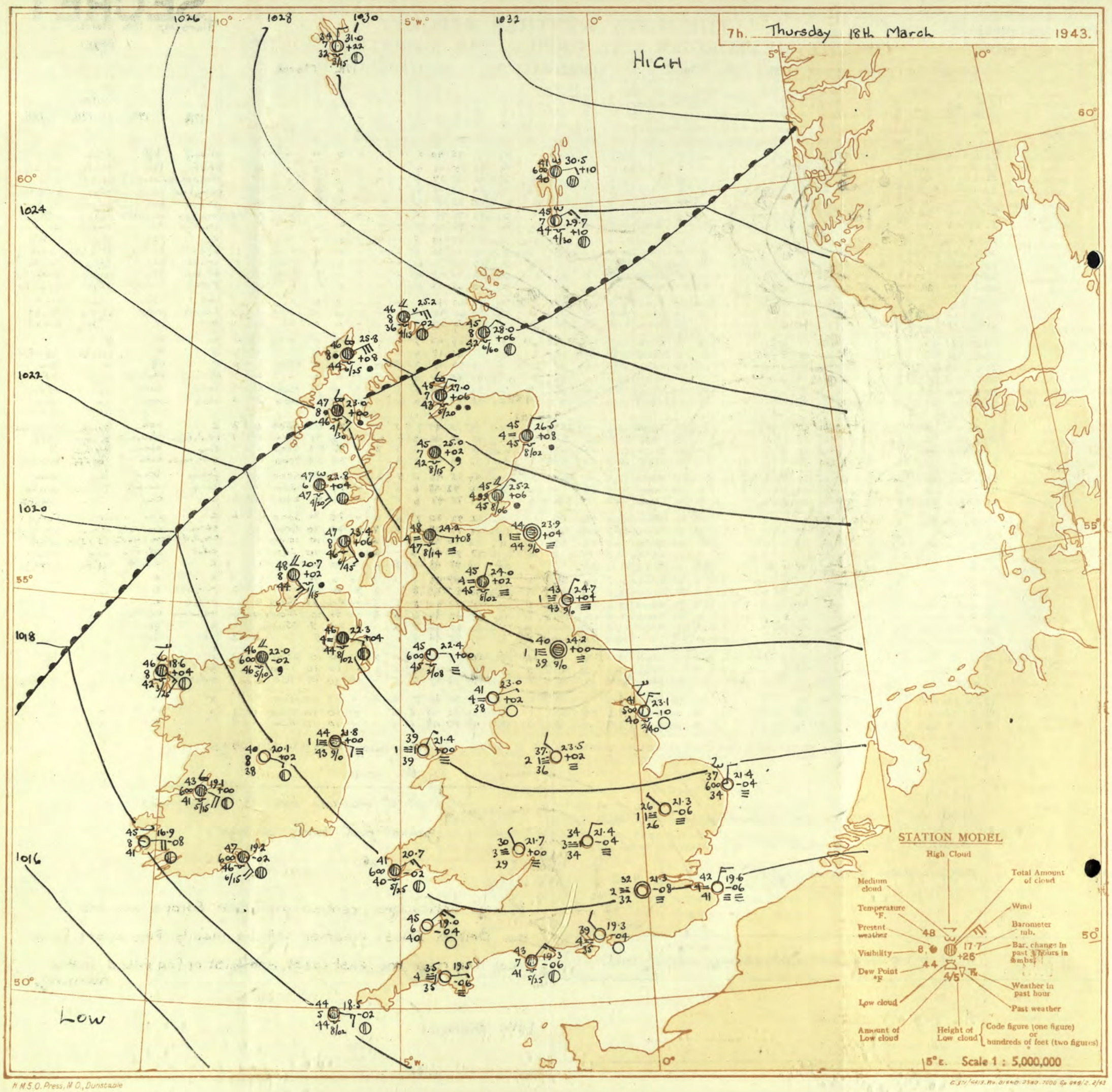
FURTHER OUTLOOK

Little change

Forecasts issued at 1030.

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

7h. Thursday 18th March 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

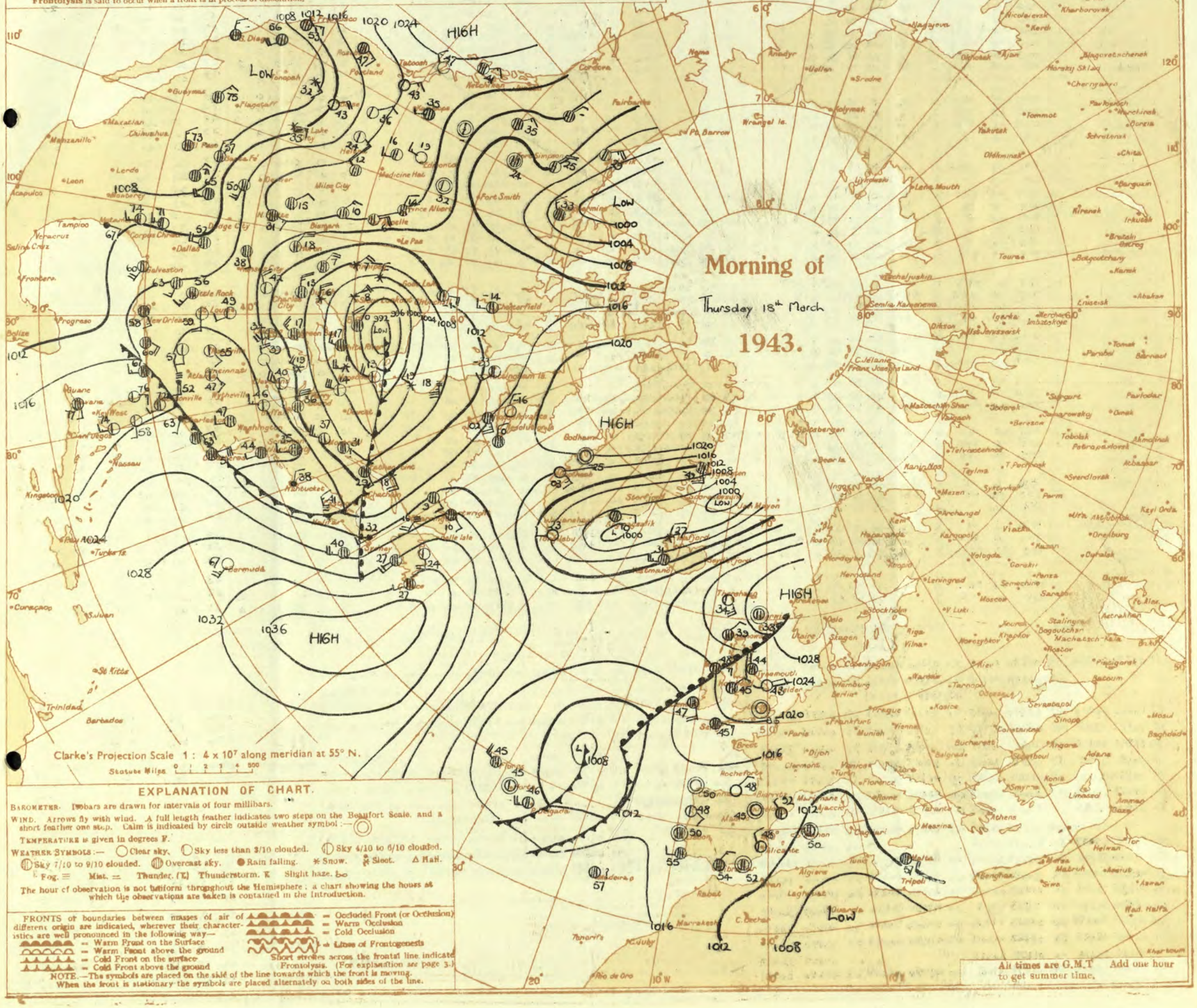
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

BRITISH SECTION

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

Thursday 18th March 1943

No. 29701

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·6	-2	-	0	bf	36	97	35	3	-	-	-	0	0	-
	S. Farnborough	226	21·6	-2	E'S	1	bF	35	86	33	1	-	-	8	0	0	-
	Boscombe Down	417	21·4	-2	ENE	3	m	45	75	38	4	-	-	-	0	0	-
	Thorney Island	10	20·7	-2	N'E	1	fg	40	85	36	4	-	-	-	0	0	-
	Lympne ...	283	20·9	-6	NNE	2	z	41	89	38	5	-	-	-	0	0	-
	Manston ...	154	21·3	-6	NE'N	2	bf	42	92	39	3	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·0	-4	NNE	3	z_0	41	85	37	5	-	-	-	0	0	-
	Gorleston ...	5	22·5	-2	NE	1	z_0	42	85	37	6	-	-	-	0	0	-
	Mildenhall ...	15	22·4	-2	E'N	2	m	34	97	33	4	-	-	-	0	0	-
	Cranwell ...	203	23·1	0	E	1	bf+	35	97	35	2	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·9	-2	ENE	1	m	40	85	36	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·0	-4	ENE	2	b	45	97	44	6	-	-	-	0	0	-
	Bristol ...	209	21·8	0	S	1	bf	38	97	37	3	-	-	-	0	0	-
	Portland Bill ...	32	20·3	-4	E	2	bc	40	92	38	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	21·2	-2	-	0	F	40	97	40	1	-	-	-	10	10	<150
	The Lizard ...	240	19·6	-6	E	5	of-	43	97	43	3	5	-	-	10	10	300
	Scilly (St. Mary's)	163	19·6	-2	E'S	3	m	43	97	45	4	5	-	-	10	10	600
	Guernsey ...	175															
6	Pembroke ...	142	21·7	+2	NE'E	2	z_0	42	92	40	6	5	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	21·8	-10	NE'E	3	c-bf+	45	97	44	2	5	-	-	7-8	7-8	200
	Chester (Sealand)	16	22·3	+2	-	0	F+	41	97	40	1	-	-	-	10	10	<150
8	Manchester ...	235	22·7	+6	NE	2	bf	38	97	37	3	-	-	-	0	0	-
10	Spurn Head ...	29	23·6	+4	E'N	2	z_0	43	92	41	5	-	-	-	0	0	-
	Catterick (Sc.) ...	192	24·0	+8	-	0	m	37	97	37	4	-	-	-	0	0	-
	Tynemouth ...	108	24·1	+4	NNW	1	m	44	92	43	4	5	-	-	9	9	2500
11	St. Abbs Head	280	24·4	+2	-	0	z_0	47	97	47	5	5	2	-	7-8	10	2500
	Leuchars ...	36	24·4	+8	E	2	z_0	46	97	45	5	5	2	-	7-8	10	1900
12	Renfrew (Abbots L.)	19	23·1	+4	-	0	cf-	49	97	48	3	5	3	-	4-6	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	22·7	+8	S'E	2	c	46	97	46	7	5	2	-	7-8	10	2500
13A	Tiree	44	22·5	-6	ENE	2	c	46	92	44	7	5	7	-	9	9	3000
13B	Stornoway ...	15	25·8	+6	NE	2	c-bc	39	97	39	8	-	-	8	0	7-8	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	25·6	0	NE	1	c̲d̲d̲	46	97	46	6	5	7	-	9	10	2500
	Wick ...	114	27·0	+16	NE	1	c-bc	44	92	43	8	-	7	-	0	7-8	-
16	Sumburgh ..	19	27·6	+14	-	0	c	43	97	43	7	-	3	-	0	9+	-
17	Blacksod Point	18	18·0	-2	W	2	r_0	50	97	49	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	20·2	-4	E'N	3	-	48	92	46	8	5	2	-	2-3	10	2500
	Aldergrove ...	268	21·5	+2	SE'S	3	z_0	47	97	46	6	5	2	-	9	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·9	+4	SE'S	4	c	47	85	43	7	5	2	-	9	10	1500
	Roches Point	22	19·8	0	S'E	3	c	48	97	47	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 18th March

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)	20·4	-6	NNE	1	bf+	34	97	33	1	-	-	-	0	0	-	1	*
	Croydon ...	21·5	-8	-	0	bf	32	97	32	2	-	-	-	0	0	-	3	*
	S. Farnborough	20·7	-2	-	0	bF	27	97	27	0	-	-	-	0	0	-	0	*
	Boscombe Down	20·8	-2	NNE	1	m/f	39	85	35	4	-	-	-	0	0	-	0	*
	Thorney Island	19·3	-4	NNW	2	m	39	85	35	4	-	-	-	0	0	-	0	*
	Lympne ...	19·6	-6	NNW	2	F+	38	97	38	1	-	-	-	10	10	<150	0	*
	Manston ...	19·6	-6	NNE	3	m/f	42	92	41	4	-	-	-	0	0	-	0	*
2	Shoeburyness ...	20·7	-10	W'S	3	f	36	92	34	3	-	-	-	0	0	-	0	*
	Felixstowe ...	20·3	-8	N'E	3	z_0	38	92	35	8	-	-	-	0	0	-	0	2
	Gorleston ...	21·4	-4	N'E	2	z_0	37	92	34	6	-	-	9	0	1	-	0	2
	Mildenhall ...	21·3	-6	NW	1	bf	26	97	26	1	-	-	-	0	0	-	0	*
	Cranwell ...	22·4	-2	N'W	3	z_0	38	85	35	5	-	3	-	0	1	-	0	*
3	Birmingham ...	22·9	0	NNE	2	F	37	97	37	0	-	-	-	10	10	<150	0	*
	Upper Heyford	21·4	-4	NNE	2	bf-	34	97	34	3	-	-	-	0	0	-	0	*
4	Ross-on-Wye	21·7	0	N'W	1	bf	30	92	29	3	-	-	-	0	0	-	0	*
5	Hartland Point	19·0	-4	NE	3	b	45	85	40	6	-	-	-	0	0	-	0	2
	Bristol ...	21·8	+2	-	0	bf+	36	97	35	3	-	-	-	0	0	-	3	*
	Portland Bill ...	19·3	-6	NE	3	c-bc	43	92	41	7	5	-	-	7-8	7-8	2500	1	2
	Plymouth ...	19·5	-6	E	1	mf-	35	97	35	4	-	-	-	0	0	-	0	1
	The Lizard ...	18·8	-2	NE	4	m/f	43	97	43	4	5	-	-	10	10	400	1	4
	Scilly (St. Mary's)	18·5	-2	E'S	3	o	44	97	44	5	5	-	-	10	10	200	0	3
	Guernsey ...																	
6	Pembroke ...	20·7	-2	ENE	3	z_0	41	97	40	6	5	-	-	7-8	7-8	2500	0	3
7	Holyhead (Valley)	21·4	0	NE'N	1	bF-	39	97	39	1	-	-	-	0	0	-	1	2
	Chester (Sealand)	22·7	+2	-	0	F-	38	97	38	0	-	-	-	10	10	<150	0	*
8	Manchester ...	22·6	-2	NE'N	3	bf+	37	97	35	3	-	-	-	0	0	-	3	*
10	Spurn Head ...	23·1	-10	NE'N	3	z_0	41	92	40	5	5	4	2	8	2-3	4000	0	2
	Catterick (Sc.) ...	24·2	0	-	0	F+	40	97	39	1	-	-	-	10	10	<150	0	*
	Tynemouth ...	24·7	+4	NNE	1	cF	43	97	43	1	-	-	-	10	10	<150	0	2
11	St. Abbs Head	23·9	+4	-	0	F+	44	97	44	1	-	-	-	10	10	<150	1	1
	Leuchars ...	25·2	+6	NE	1	d̲d̲	45	97	45	4	-	2	-	10	10	600	1	*
12	Renfrew (Abbots L.)	24·2	+8	E'S	1	m	48	97	47	4	5	-	-	10	10	1400	1	*
	Eskdalemuir ...	24·0	+2	N	1	m	45	97	45	4	5	-	-	10	10	200	1	*
	Point of Ayre ...	22·4	0	E	2	z_0	45	97	45	6	5	-	-	1	1	800	1	2
13A	Tiree	22·8	+4	SE	3	c	47	97	47	6	5	3	-	4-6	9	2000	1	2
13B	Stornoway ...	25·8	+8	ENE	6	r_0	46	92	44	8	5	7	-	9	10	2500	1	3
15	Dalwhinnie ...	25·0	+2	SE	1	o	45	85	42	7	5	-	-	10	10	1500	1	*
	Aberdeen † ...	26·5	+8	NE'N	1	m	45	97	45	4	5	-	-	10	10	200	1	1
	Wick ...	28·0	+6	NE	2	c	45	85	42	8	5	-	-	9	9	6000	0	*
16	Sumburgh ..	29·7	+10	NE'E	3	bc	45	97	44	7	5	3	-	4-6	4-6	3000	0	3
17	Blacksod Point	18·6	+4	SE'E	3	c-bc	46	85	42	8	5	4	2	2-3	7-8	2500	1	3
18	Malin Head ...	20·7	+2	SE'S	3	c	48	85	44	8	5	2	-	Tr	9	1500	1	3
	Aldergrove ...	22·3	+4	ESE	1	m	46	92	44	4	5	-	-	10	10	200	1	*
19	Birr Castle ...	20·1	+2	ESE	1	b	40	92	38	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	16·9	-8	E	4	b	45	85	41	8	-	-	1	0	Tr	-	1	2
	Roches Point	19·2	-2	SSE	4	z_0	47	97	46	6	5	-	-	9	9	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
1	London (Kew)	53	38	17	Tr	Tr	2·7
	Croydon ...	53	32	24	-	Tr	1·9
	S. Farnborough	59	27	21	Tr	-	5·4
	Boscombe Down	57	36	30	-	-	7·1
	Thorney Island	54	39	29	-	-	*
	Lympne ...	57	37	32	-	Tr	9·8
	Manston ...	49	40	36	-	-	8·3
2	Shoeburyness ...	51	34	28	-	-	2·1
	Felixstowe ...	54	37	34	-	-	7·7
	Gorleston ...	49	36	32	-	-	9·3
	Mildenhall ...	57	25	23	-	Tr	4·9
	Cranwell ...	60	31	21	-	-	6·3
3	Birmingham ...	58	36	25	-	-	7·8
	Upper Heyford	57	34	30	Tr	-	*
4	Ross-on-Wye	59	30	22	-	-	9·4
5	Hartland Point	50	43	42	-	-	10·1
	Bristol ...	59	35	25	-	-	9·0
	Portland Bill ...	49	38	*	-	-	*
	Plymouth ...	53	34	27	-	-	7·3
	The Lizard ...	52	42	*	-	Tr	4·9
	Scilly (St. Mary's)	54	44	*	-	-	8·0
	Guernsey ...						
6	Pembroke ...	50	41	*	-	-	4·7
7	Holyhead (Valley)	50	39	35	4	-	*
	Chester (Sealand)	59	38	36	-	0·1	
8	Manchester ...	59	34	23	Tr	-	*
10	Spurn Head ...	51	40	*	-	Tr	6·2
	Catterick (Sc.) ...	55	33	28	-	Tr	0·4
	Tynemouth ...	57	43	38	-	-	*
11	St. Abbs Head	53	43	*	-	0·5	*
	Leuchars ...	57	45	44	0·5	1	1·4
12	Renfrew (Abbots L.)	54	47	43	1	0·6	0·0
	Eskdalemuir ...	49	45	44	1	0·3	0·0
	Point of Ayre ...	52	43	*	1	0·6	0·0
13A	Tiree	54	42	39	-	Tr	6·5
13B	Stornoway ...	52	37	31	Tr	Tr	7·5
15	Dalwhinnie ...	51	38	32	Tr	0·2	0·3
	Aberdeen † ...	60	44	43	Tr	Tr	1·5
	Wick ...	55	42	39	-	-	*
16	Sumburgh ..	50	41	33	-	-	4·3
17	Blacksod Point	54	43	*	0·1	0·5	*
18	Malin Head ...	51	46		-	0·5	2·0
	Aldergrove ...	52	43	37	1	0·3	0·0
19	Birr Castle ...	53	38	31	1	0·1	0·1
20	Valentia Obsy.	53	44	39	2	1	0·0
	Roches Point	51	47	*	3	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	18h. G.M.T. 17th March: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th March: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02773	22326	04	01890	00016	5-	02666	00026	53	02764	07325
115				54	02854	20327	53	02954	08226	52	02944	40527
203							03	02970	08327			
206	55	02863	20225	07	02890	28127	57	61764	00028	57	22755	02268
210	27	02862	28127	43	02861	07127	57	61864	08368	50	02768	06368
219	14	05861	18425	13	02861	16215	00	05890	04326	57	61864	12368
239	15	02852	18127	57	02873	00027	5-	61655	00068	54	01654	00014
245	57	02754	22227	07	05690	06128	57	05645	06368	5-	21638	04368
260	5-	05658	20128	57	21645	00058	02	47248	00048	5-	47328	12268
278	5-	52424	10258	5-	52618	12268	5-	02738	11258	53	05545	15126
279				02	21628	19268	03	05590	06347	03	08490	08224
285	27	81635	24287	5-	62638	28168				--	48109	32349
288	7-	05666	18316	5-	05664	29124	00	47390	17110	--	46109	00049
575	13	02852	24126	52	62635	12258	62	21636	00058	52	05645	14258
301	52	05645	22158	5-	05567	02227	00	41490	06290	00	08490	06100
321	00	08490	14340	70	01763	19113	00	47190	23434	--	49009	30149
2..	--	44309	20249	50	05653	14243	00	05690	20200	00	45090	20240
292	5-	41445	18145	53	08462	00015	03	47190	00094	03	43190	00044
310	--	01644	20214	--	01433	20213				--	01424	32414
614	5-	08464	16214	54	05571	07112	00	47390	04100	03	43290	30141

III	13h. G.M.T. 17th March: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th March: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	57	51745	15357	50	02865	12155	00	08490	00000	00	05590	02100
334	--	02744	26116	--	01742	26113				--	04109	70028
340	26	02855	18226	70	01651	10211	00	08490	00000	00	48090	28140
136	00	05690	00040	00	05690	04200	00	08490	05100	--	48109	05249
330	10	01754	16314									
350				00	05690	06100				--	44309	01249
368	10	05663	17203	00	05690	12152	00	05590	00000	00	08490	06200
379	00	05690	12140	00	00790	12100	00	05690	26100	00	05590	32200
390	00	05590	04100				00	08490	00000	00	08490	32140
382	00	05690	12120	07	05690	11101	00	08490	00000			
438				00	05590	02200	00	05590	02400	00	05590	02500
430				00	05590	00002	00	05590	04200	00	08490	02390
409	5-	05644	14414	5-	05644	13504	00	09590	06340	00	05690	08200

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th March.
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	ofbmf	bff	bffx bFFx	
Croydon ...	oFbf	Fbz	bzbfux	
Greenwich ...	Febf	bfzy	bmfx	Kew 24 hours ended 7h. Max. 1·2 21h 17th; Min. 0·2 5-6h 18th
Camden Square	o	o	*	
Kensington ...	obcz	oz	*	
Hampstead ...	om	bm	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	53	33	17	Tr	Tr	2·7	*	*
Croydon ...	53	32	24	-	Tr	1·9	*	*
Greenwich ..	55	35	19	-	-	1·7	54	79
Westminster ..	54	40	30	-	-		71	74
Regents Park ...	52	38	30	-	-		73	79
Camden Square	54	38	28	-	-	*	*	79
Kensington ...	52	37	29	-	-		76	65
Hampstead ...	52	38	30	-	-		*	67

SECRET

Page 1 BRITISH SECTION

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

Friday 19th March 1943.

No. 23702.

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

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)	17·7	-18	NNE	3	z_0	55	45	35	6	–	–	–	0	0	–
	Croydon	18·1	-26	ENE	3	z_0	56	45	35	6	–	–	–	0	0	–
	S. Farnborough	17·7	-26	NE	4	z_0	58	35	32	6	–	–	–	0	0	–
	Boscombe Down	18·8	-16	NE'N	4	z_0	56	45	36	6	–	–	–	0	0	–
	Thorney Island	17·1	-16	NNE	3	m	57	45	33	4	–	–	–	0	0	–
	Lympne	17·5	-12	N	3	z_0	47	85	41	6	5	–	–	2-3	2-3	1500
	Manston	17·8	-14	NE'N	3	m	43	92	39	4	5	–	–	10	10	300
2	Shoeburyness	18·7	-12	NNE	4	z_0	51	65	41	5	–	–	–	0	0	–
	Felixstowe	18·5	-10	NNE	4	z_0	51	65	40	6	–	–	–	0	0	–
	Gorleston	19·5	-18	NNE	4	z_0	45	85	38	6	–	–	–	0	0	–
	Mildenhall	19·2	-18	NE	4	z_0	52	65	40	6	–	–	–	0	0	–
	Cranwell	20·9	-18	NE	4	z_0	53	55	36	6	–	–	–	0	0	–
3	Birmingham	20·1	-10	NE	3	m	51	65	40	4	–	–	–	0	0	–
	Upper Heyford	19·7	-12	NNE	4	z_0	55	55	38	6	–	–	–	0	0	–
4	Ross-on-Wye	19·4	-20	NE	3	z_0	54	55	38	5	–	–	–	0	0	–
5	Hartland Point	17·8	-12	NE	3	b	50	85	44	6	–	–	–	0	0	–
	Bristol	19·4	-20	NNE	3	b	56	65	44	5	–	–	–	0	0	–
	Portland Bill	17·5	-14	NE	3	bc	49	85	45	7	4	–	–	4-6	4-6	4000
	Plymouth	17·7	-18	ENE	3	z_0	58	55	39	6	–	–	–	0	0	–
	The Lizard	17·3	-10	NE	3	z_0	53	75	45	6	–	–	–	0	0	–
	Scilly (St. Mary's)	17·4	-10	NE'E	2	z_0	55	75	49	5	–	–	–	0	0	–
	Guernsey															
6	Pembroke	19·4	-12	SE'E	3	z_0	55	65	38	6	5	–	–	7-8	7-8	2500
7	Holyhead (Valley)	20·2	-14	ENE	3	z_0	59	55	41	6	–	–	–	0	0	–
	Chester (Sealand)	20·9	+16	–	0	z_0	57	55	43	5	–	–	–	0	0	–
8	Manchester	20·9	-18	NE'E	4	z_0	55	65	44	6	–	3	–	0	Tr	–
10	Spurn Head	22·4	-4	NE	4	z_0	44	85	39	6	7	–	–	9	9	2500
	Catterick (Sc)	23·8	-6	NNE	2	m/f	51	75	44	4	6	–	–	7-8	10	1000
	Tynemouth	05·0	-4	NNE	2	F	43	97	42	1	–	–	–	10	10	<150
11	St. Abbs Head	28·2	0	–	0	F	45	97	45	1	–	–	–	10	10	<150
	Leuchars	25·5	-6	NE	2	z_0	50	85	45	6	5	3	–	4-6	9+	3000
12	Renfrew (Abbots I.)	23·5	-12	ENE	3	z_0	55	75	49	5	5	3	–	2-3	2-3	3500
	Eskdalemuir	22·8	-6	NE'E	3	bc	56	65	45	7	8	–	–	4-6	4-6	2700
	Point of Ayre	22·2	-4	E'S	2	z_0	51	85	47	6	–	–	–	0	0	–
13A	Tiree	23·3	-6	SE'E	3	b	54	92	51	7	1	7	–	Tr	1	4000
13B	Stornoway	24·9	-12	ESE	4	c-bc	52	85	47	8	–	7	–	0	7-8	→
15	Dalwhinnie	25·0	0	ESE	2	c	50	75	43	7	5	3	–	7-8	9+	2500
	Aberdeen	26·9	-2	ENE	2	z_0	48	85	43	6	5	–	–	9+	9+	900
	Wick	27·3	-8	SE	2	o/f	46	92	44	5	5	–	–	10	10	800
16	Sumburgh	30·2	+2	E'N	5	of+	46	97	46	3	5	–	–	10	10	100
17	Blacksod Point	18·9	-6	SE	3	b	53	75	46	7	–	–	–	0	0	–
18	Malin Head	21·2	-6	E	4	c-bc	49	83	45	7	–	–	7	0	7-8	–
	Aldergrove	21·8	-10	ESE	3	z_0	55	65	42	6	–	–	–	0	0	–
19	Birr Castle	19·7	-6	SE	2	b-bc	57	55	42	8	1	–	–	2-3	2-3	2500
20	Valentia Obsy.	16·1	-10	E'S	5	b	56	65	45	7	–	–	–	0	0	–
	Roches Point	18·7	-6	ESE	4	b-bc	51	92	49	7	1	–	–	2-3	2-3	4000

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

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)	15·5	-6	NNE	4	z_0	53	55	37	5	5	3	9	4-6	7-8	4000	1	*
Croydon	16·0	-12	ENE	3	z_0	52	55	38	5	5	4	–	9	9+	1000	0	*
S. Farnborough	15·1	-10	NE'N	3	z_0	53	55	36	6	–	4	9	0	2-3	–	0	*
Boscombe Down	15·9	-10	NE'N	3	z_0	51	65	40	6	–	4	–	0	Tr	–	0	*
Thorney Island	15·3	-4	N	2	z_0	50	75	40	6	–	3	–	0	1	–	0	*
Lympne	14·8	-18	NNE	5	z_0	43	92	41	5	5	3	–	2-3	2-3	1200	0	3
Manston	15·2	-10	NNE	3	z_0	43	92	41	5	5	8	–	2-3	2-3	300	0	*
Shoeburyness	16·5	-2	N'E	3	z_0	45	92	42	5	–	3	–	0	2-3	–	0	*
Felixstowe	16·5	-4	N'E	4	z_0	44	85	39	5	–	3	–	0	4-6	–	0	2
Gorleston	17·9	0	NE'N	6	z_0	43	85	38	6	–	–	–	0	0	–	0	4
Mildenhall	17·3	-2	NE	4	z_0	46	75	38	5	5	–	–	Tr	Tr	4000	0	*
Cranwell	19·0	+8	NE	4	z_0	45	85	39	6	5	7	–	7-8	9	1800	0	*
Birmingham	19·5	-8	NE	3	z_0	54	65	42	6	–	–	–	0	*	–	0	*
Upper Heyford	17·1	-16	NE	3	z_0	49	65	38	6	–	–	–	0	0	–	0	*
Ross-on-Wye	17·1	-10	NE	3	z_0	51	65	38	5	–	–	9	0	Tr	–	0	*
Hartland Point	15·5	-12	E	3	b	54	65	41	6	–	–	–	0	0	–	0	3
Bristol	16·8	-10	NNE	2	m	51	75	42	4	–	–	9	0	1	–	0	*
Portland Bill	15·3	-2	NE	3	bc	50	85	46	7	5	–	–	4-6	4-6	4000	1	3
Plymouth	16·0	-10	E	1	z_0	55	55	41	6	–	–	–	0	0	–	0	1
The Lizard	15·7	-12	NE	2	z_0	52	85	47	6	–	–	–	0	0	–	0	3
Scilly (St. Mary's)	15·4	-12	E'N	2	z_0	51	85	46	5	–	–	–	0	0	–	0	3
Guernsey																	
Pembroke	17·0	-8	NW	1	z_0	53	75	44	5	5	–	–	4-6	4-6	2500	0	2
Holyhead (Valley)	18·2	-6	E'N	3	z_0	51	75	43	5	–	4	–	0	2-3	–	1	1
Chester (Sealand)	18·9	-6	E'S	2	b-bc	52	65	41	6	–	–	8	0	2-3	–	0	*
Manchester	19·2	-6	NE'E	4	z_0	50	65	39	6	5	4	–	Tr	4-6	5700	0	*
Spurn Head	20·3	-4	ENE	4	z_0	44	85	41	6	7	4	2	4-6	4-6	2500	0	3
Catterick (Sc)	22·5	-2	NNE	3	of+	42	92	40	3	5	–	–	9	9	900	0	*
Tynemouth	24·3	-4	NE	3	z_0	42	97	41	6	5	–	–	10	10	2300	0	2
St. Abbs Head	24·0	-10	ESE	2	o/f	41	97	41	6	5	–	–	10	10	600	0	3
Leuchars	25·1	-2	E	3	of–	41	97	41	2	5	–	–	10	10	<150	1	*
Renfrew (Abbots I.)	22·4	+2	E'N	4	z_0	49	85	45	5	8	7	–	7-8	9+	1800	1	*
Eskdalemuir	21·9	-2	ENE	4	z_0	47	85	42	6	5	4	–	4-6	4-6	1800	0	*
Point of Ayre	19·9	-14	ENE	2	z_0	48	92	46	6	4	3	–	1	2-3	2500	0	1
Tiree	21·7	-6	E	3	b	51	92	48	7	–	4	–	0	1	–	1	2
Stornoway	24·1	-2	ESE	4	z_0	49	92	47	7	5	–	–	7-8	7-8	4200	1	2
Dalwhinnie	24·5	[illegible]	ESE	2	c	48	75	43	7	5	–	–	9	9	2500	0	*
Aberdeen	26·7	0	NE'E	2	z_0	42	92	40	6	5	–	–	10	10	600	0	1
Wick	27·4	+2	SSE	3	m	43	92	41	4	5	–	–	10	10	400	0	*
Sumburgh	29·6	-2	ESE	4	z_0	44	97	44	6	5	–	–	10	10	800	0	3
Blacksod Point	17·6	-8	SE	3	b	53	65	41	7	–	–	–	0	0	–	1	3
Malin Head	19·8	-6	E'S	4	b	51	75	43	7	–	–	–	0	0	–	1	3
Aldergrove	20·2	-6	ESE	1	z_0	51	75	43	6	–	–	–	0	0	–	1	*
Birr Castle	17·5	-8	SE	1	bc	54	65	42	8	5	–	8	2-3	4-6	2500	1	*
Valentia Obsy.	15·5	-2	ESE	5	b	54	55	40	7	1	–	–	Tr	Tr	2500	1	4
Roches Point	17·0	-10	E	4	z_0	50	92	48	5	–	–	–	0	0	–	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 18th (39)	13h.—18h. 18th (40)	18h. 18th to 1h. 19th (41)	1h.—7h. 19th (42)
London (Kew)	Ffxbz_0y	b,cz_0y	cbz_0	$bccm_0w$
Croydon	bfbz_0y	bz_0ycz_0y	czyom	cmbcmcm
S. Farnborough	bFxz_0y	bz_0y	bzybzbm	cmm_0
Boscombe Down	bmbm_0y	$bybz_0$	bzbcmbm	bm_0cm_0
Thorney Island	bm_0bm	bmbm_0ybz_0	bm_0	$cbcm_0w$
Lympne	bz_0	$bbcbz_0$	bbcm	bm_0wx
Manston	cm_0om	$bmbm_0$	$bmbm_0$	bm_0
Shoeburyness	bz_0	bz_0		
Felixstowe	bm_0bz_0	$bz_0cm_0bm_0$	bmbm_0cm_0	cm_0
Gorleston	ofmbz_0	bz_0	bzbcc	c
Mildenhall	bf, bz_0	bz_0bcbz_0	cmbmcm	
Cranwell	oFbz_0y	$bz_0ybm_0cm_0$	cm_0	$cmid_0$
Birmingham	Fbm	bz_0	czc	co
Upper Heyford	$bz_0bm_0bz_0$	bz_0y	bcm_0	bcmcm_0
Ross-on-Wye	bfmz	byz		bcm_0com_0
Hartland Point	b	by	$bbcz_0$	c
Bristol	bfxfm	bz_0y	bzbfcm_0	cm_0bcm_0x
Portland Bill	bc	bc	cc	cc
Plymouth	bmfz_0y	bz_0y	$bmbcm_0$	cm_0
The Lizard	mbcbz	bz	bz	bcz
Scilly (St. Mary's)	bcbcb	b	bbcbw	bwbc
Pembroke	cm_0	bcm_0	bccm	cm_0
Holyhead (Valley)	Fcmz_0	bz_0y	bcm_0cm	bmm_0
Chester (Sealand)	$Febm_0$	bz_0y	bcyzm_0	cm_0
Manchester	bxffz_0	bz_0ybcz_0	bzcmz_0	oz_0m_0
Spurn Head	cm_0	bcm_0	c	om_0
Catterick (Sc)	bFcf	bcm_0ofcf	cmm_0	cmzm
Tynemouth	bFF	oFFffm_0	om_0c	c
St. Abbs Head	F	oFom	oumcm	cor.
Leuchars	$cd_0d_0cm_0$	b$fd_0d_0$of	$od_0$of	c
Renfrew (Abbots I.)	cmbcmbcm_0	bcm_0	cmcmdd	cmzcmbc
Eskdalemuir	bcmbc	bcz_0	bccm_0	cm_0c
Point of Ayre	bz_0	bz_0	bbccz	cbbcc
Tiree	cbc	bbc	bc	bc bbc
Stornoway	$ccir_0c$	$bccz_0$	cb	bbc
Dalwhinnie	bc	c	*	coc
Aberdeen	$bmid_0c$	cz_0oifz_0	ozcz	cz_0c
Wick	oid_0fom_0	$ofid_0om$	cm	cbc
Sumburgh	bc,ccf	$cofcm_0$	cm_0	bccbc
Blacksod Point	b	b	b	bc
Malin Head	bc	b	bc	bc
Aldergrove	$cmbcbm_0$	bz_0ybm_0	bm_0cm_0	cmc
Birr Castle	bc	bc	*	c
Valentia Obsy.	bc	b	b	b
Roches Point	bc	b	b	b

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

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Light or moderate northeast wind decreasing and backing; mainly cloudy; local showers; local morning fog; rather cold; frost locally at night.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate northeast wind decreasing; mainly fair; local morning fog; rather cold; frost locally at night.
9 N. Midlands 10 N.E. England 11 S.E. Scotland	Light or moderate northeast wind; cloudy; local showers; rather cold
12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland	Light or moderate northeast wind; mainly fair; rather cold; frost locally at night.
14 Mid Scotland 15 N.E. Scotland	Light or moderate east or southeast wind; mainly cloudy; local showers rather cold.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

A shallow depression over Northeast France is spreading north. Weather will be mainly cloudy with local showers in the east.

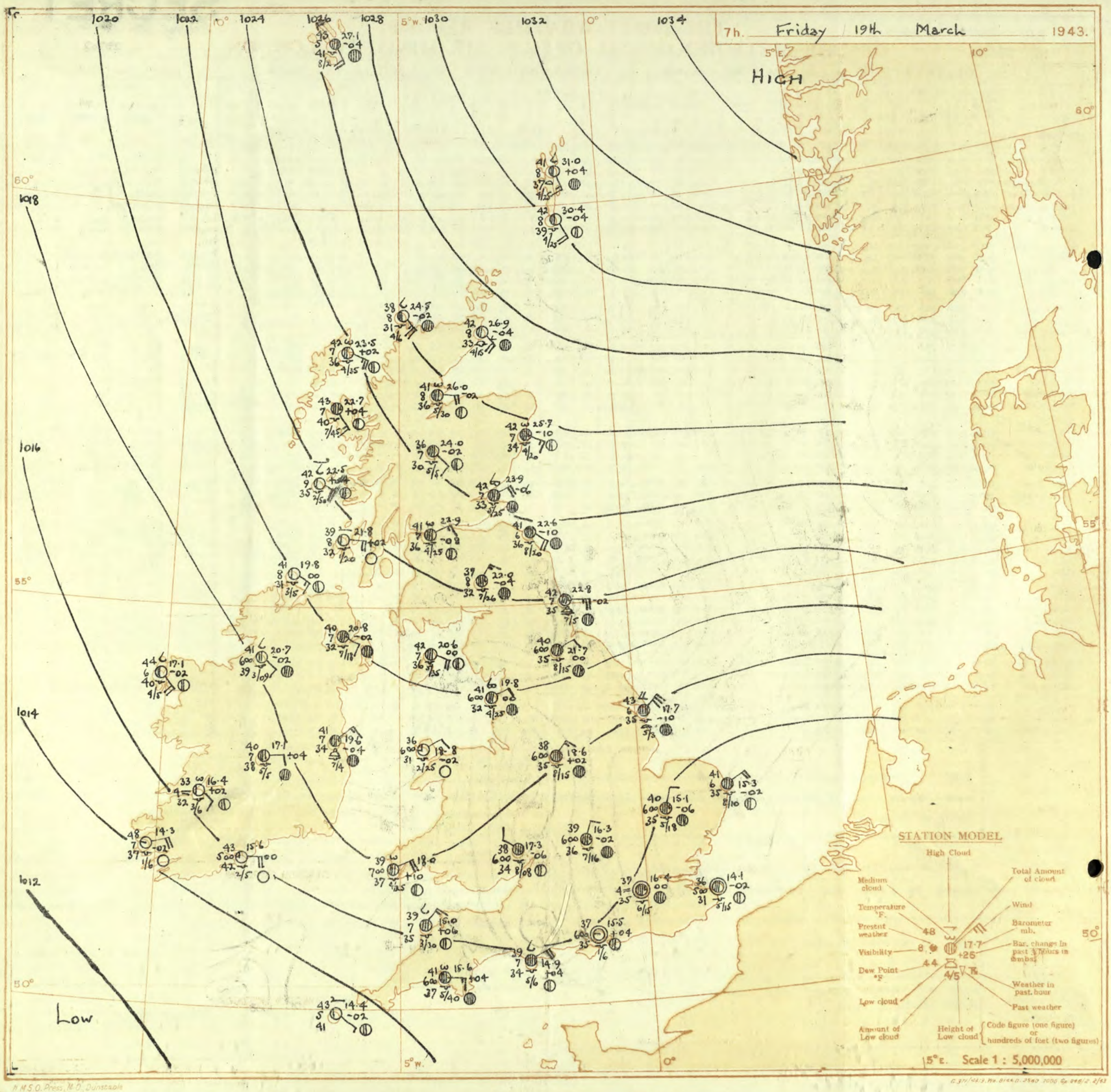
FURTHER OUTLOOK

Mainly dry but local showers near east and northeast coasts.

Forecasts issued at 10·30

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

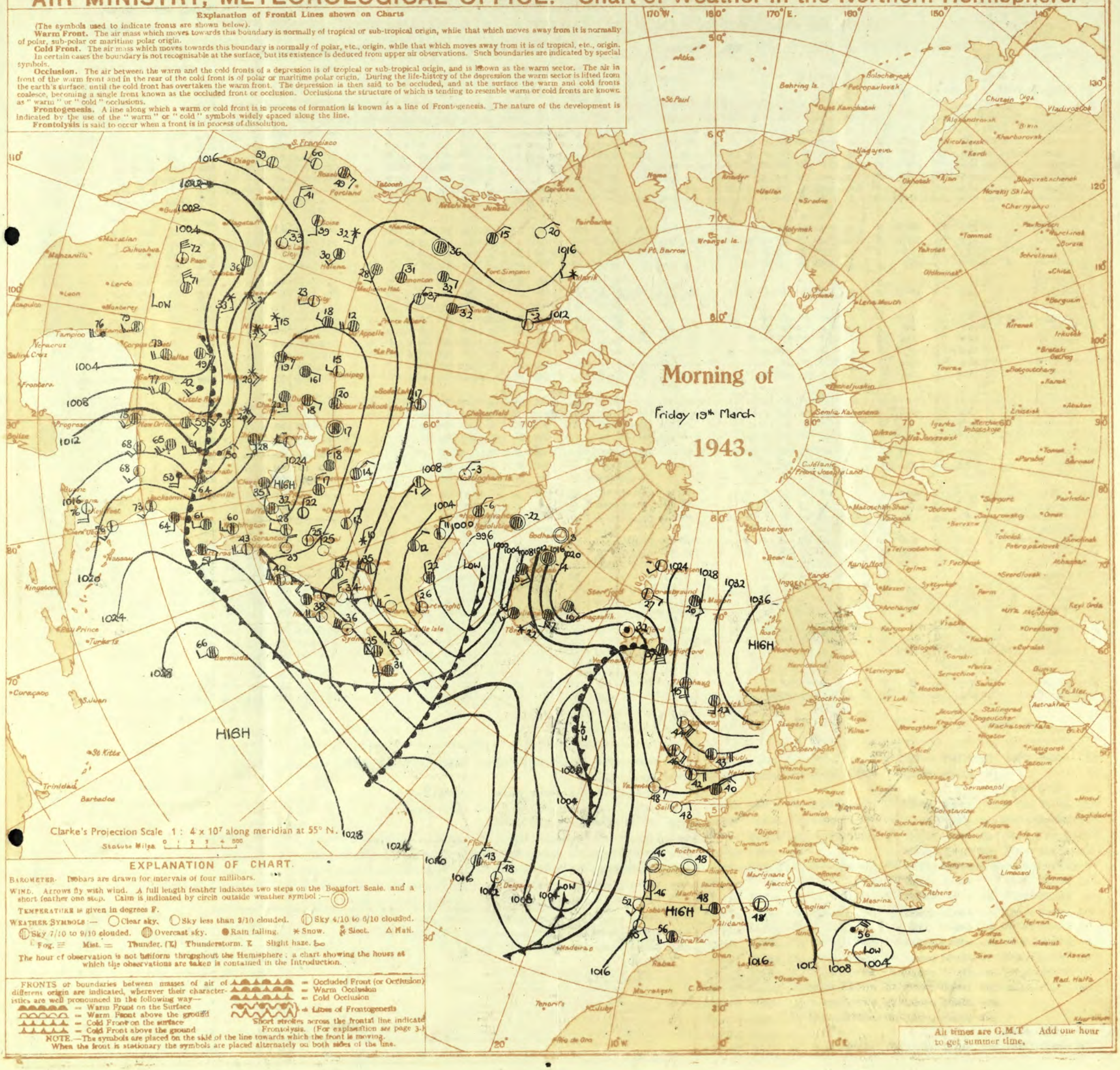
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

BRITISH SECTION

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

Friday 19th March 1943

No. 29702.

OBSERVATIONS at 1 hr. G.M.T. 19th March

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon	290	16·7	-2	NE'E	3	m	40	85	36	4	5	-	-	10	10	900
	S. Farnborough	226	16·3	-2	NE	3	m	38	85	35	4	5	7	-	9+	10	800
	Boscombe Down	417	16·6	+2	NNE	3	z_0	37	92	35	5	-	3	-	0	2-3	-
	Thorney Island	10	15·0	-2	NNE	4	z_0	41	75	34	5	-	3	-	0	4-6	-
	Lympne	283	14·6	-2	N'E	3	z_0	38	92	35	5	-	3	-	0	1	-
	Manston	154	15·0	+2	ENE	2	z_0	39	75	34	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·9	-2	NE'E	3	z_0	37	75	29	5	-	8	-	0	9+	-
	Gorleston	5	16·9	-6	NE'N	5	c-bc	42	85	37	7	8	-	-	4-6	7-8	1500
	Mildenhall	15	16·9	-6	NNE	3	z_0	37	92	36	6	5	-	-	9+	9+	2500
	Cranwell	203	19·0	-6	NE	4	z_0	39	85	36	6	5	-	-	10	10	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·7	-4	NNE	2	z_0	35	92	31	6	5	-	-	4-6	4-6	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·3	-4	ENE	3	c	47	85	42	6	-	7	-	0	9+	-
	Bristol	209	17·8	+4	NE	4	z_0	40	85	37	6	5	-	-	9+	9+	1600
	Portland Bill	32	14·8	-2	ENE	4	c	44	85	39	7	5	-	-	10	10	2500
	Plymouth	82	15·6	-6	E	2	z	45	75	38	6	-	3	6	0	4-6	-
	The Lizard	240	16·6	-4	NNE	3	z	46	65	36	6	-	-	-	0	0	-
	Scilly (St. Mary's)	163	15·4	-2	ENE	1	b	43	92	41	6	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	16·7	-4	E'N	4	z_0	46	85	42	5	-	3	-	0	9+	-
7	Holyhead (Valley)	32	18·8	+2	ENE	4	m	42	75	36	4	-	3	-	0	4-6	-
	Chester (Sealand)	16	20·0	0	E	2	c	42	75	36	6	5	-	-	9+	9+	2000
8	Manchester	235	20·1	-2	NE'E	3	z_0	40	65	31	6	5	-	-	7-8	7-8	4000
10	Spurn Head	29	20·0	-4	ENE	6	c	43	75	36	7	7	-	-	9	9	2500
	Catterick (Sc.)	192	22·8	0	NE	2	z_0	38	85	35	5	5	-	-	7-8	7-8	1500
	Tynemouth	108	24·1	-4	E	5	c	43	75	37	7	8	-	-	9	9	2500
11	St. Abbs Head	280	24·7	+2	ESE	4	c	41	92	39	6	5	-	-	9	9	1500
	Leuchars	36	25·8	+2	E	4	c	41	75	33	7	5	-	-	9+	9+	2500
12	Renfrew (Abbots I.)	19	24·1	-2	E	3	c/d	42	85	39	5	5	2	-	7-8	10	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·7	0	E'S	5	z_0	44	85	41	6	5	-	-	9+	9+	1500
13A	Tiree	44	22·4	0	ESE	4	b	45	92	43	7	5	-	-	Tr	Tr	3000
13B	Stornoway	15	23·9	+2	ESE	6	b	44	92	42	7	-	1	-	0	Tr	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	27·5	-2	SE	4	c	40	85	36	7	5	3	-	Tr	9	600
	Wick	114	28·0	-14	SE	4	z_0	42	75	33	6	5	-	-	7-8	10	1500
16	Sumburgh	19	31·0	+4	SE	4	c	42	85	38	7	5	-	-	10	10	2000
17	Blacksod Point	18	17·3	-2	--	0	b	47	85	43	7	-	4	-	0	Tr	-
18	Malin Head	84	20·3	+2	E'S	5	bc	46	85	42	7	5	-	2	4-6	4-6	2500
	Aldergrove	268	21·3	+8	ENE	4	z_0	42	85	38	6	5	-	-	7-8	7-8	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·5	-4	E	3	z_0	48	65	37	6	-	-	-	0	0	-
	Roches Point	22	16·6	-6	E	3	z_0	45	97	44	5	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 19th March

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)	15·4	0	N	2	z_0	39	92	36	5	5	5	-	7-8	9+	4000	1	*
Croydon	16·4	0	-	0	m	37	97	35	4	5	-	-	9	9+	1500	0	*
S. Farnborough	15·5	+2	N'W	5	z_0	39	85	35	6	5	7	-	9	9+	1000	0	*
Boscombe Down	16·3	-2	NE'N	2	z_0	37	85	34	6	5	-	-	9+	9+	1000	0	*
Thorney Island	15·5	+4	-	0	z_0	37	92	35	6	5	-	-	Tr	Tr	4000	0	*
Lympne	14·3	0	NW	2	z_0	32	92	30	6	-	-	-	0	0	-	0	§3
Manston	14·1	-2	-	0	z_0	36	85	31	5	5	-	-	7-8	7-8	1500	0	*
Shoeburyness																	*
Felixstowe	14·5	-6	NW	2	z_0	38	85	32	6	5	-	-	9	9	3500	0	2
Gorleston	15·3	-2	ENE	4	c	41	75	35	6	5	-	-	10	10	1000	0	4
Mildenhall	15·1	-6	NNE	2	z_0	40	85	34	6	5	-	-	7-8	9+	1800	0	*
Cranwell	17·0	-6	NE	4	id_0	41	85	37	6	5	-	-	10	10	600	0	*
Birmingham	17·6	-2	NNE	3	z_0	39	85	35	5	5	-	-	10	10	800	0	*
Upper Heyford	16·3	-2	NNE	2	z_0	39	92	36	6	5	-	-	9+	9+	1600	0	*
Ross-on-Wye	17·2	-6	NW'N	2	z_0	38	85	34	6	5	-	-	10	10	800	1	*
Hartland Point	15·0	+6	NE	3	c-bc	39	85	35	7	5	4	-	2-3	7-8	3000	0	3
Bristol	17·4	+2	NE	3	z_0	36	97	35	5	5	-	-	Tr	9+	2500	0	*
Portland Bill	14·9	+4	ENE	4	c	39	85	34	7	5	4	-	7-8	10	4000	1	3
Plymouth	15·6	+4	E	3	z_0	41	85	37	6	5	3	-	7-8	9	4000	0	1
The Lizard	14·4	0	NNE	4	z_0	45	85	40	6	5	-	-	7-8	7-8	1500	0	4
Scilly (St. Mary's)	14·4	-2	ESE	1	b-bc	43	92	41	5	-	-	5	0	2-3	-	0	2
Guernsey																	
Pembroke	18·0	+10	E'N	4	z_0	39	92	37	7	5	3	-	4-6	7-8	2500	0	2
Holyhead (Valley)	18·8	+2	ENE	2	z_0	36	85	31	6	5	-	-	1	1	2500	1	1
Chester (Sealand)	18·9	-6	ENE	2	c	40	85	35	6	5	-	-	10	10	3500	0	*
Manchester	19·0	-2	NE	3	z_0	40	85	34	6	5	-	-	10	10	2500	0	*
Spurn Head	17·7	-10	ENE	6	o	43	75	35	6	7	2	-	7-8	10	800	0	4
Catterick (Sc.)	21·7	0	ENE	2	z_0	40	85	35	6	5	-	-	10	10	1500	0	*
Tynemouth	22·8	-2	E	5	c	42	75	35	7	8	-	-	9+	9+	2500	0	4
St. Abbs Head	22·6	-10	ESE	4	c	41	85	36	6	5	-	-	10	10	2000	0	4
Leuchars	23·9	-6	ENE	4	c	42	75	33	7	5	7	-	7-8	10	2500	0	*
Renfrew (Abbots I.)	22·9	-8	ENE	3	c-bc	41	85	36	7	5	3	-	4-6	7-8	2500	1	*
Eskdalemuir	22·0	-4	NE	3	c	37	85	32	8	5	-	-	9+	9+	2600	0	*
Point of Ayre	20·6	0	E'S	4	c-bc	42	75	36	7	5	-	-	7-8	7-8	3500	0	4
Tiree	22·5	+4	ESE	4	b-bc	42	75	35	5	5	4	1	1	2-3	5000	0	4
Stornoway	23·5	+2	ESE	5	bc	42	85	36	7	5	3	-	4-6	4-6	3500	1	3
Dalwhinnie	22·8	-2	SE	2	c-bc	36	85	30	7	5	-	-	7-8	7-8	2500	0	*
Aberdeen †	25·7	-10	ESE	3	c	42	75	34	7	5	3	-	4-6	9+	2000	0	3
Wick	26·9	-4	SE	4	bc	42	75	33	8	8	-	-	4-6	4-6	1500	0	*
Sumburgh	30·4	-4	SSE	4	bc	42	85	38	8	5	-	-	4-6	4-6	2500	0	2
Blacksod Point	17·1	-2	SE	4	bc	44	85	40	6	5	4	-	4-6	4-6	2500	1	3
Malin Head	19·8	0	SE'E	3	b-bc	41	65	31	8	5	-	-	2-3	2-3	2500	1	4
Aldergrove	20·8	-2	E'S	2	c	40	75	32	7	5	-	-	9+	9+	1800	1	*
Birr Castle	17·1	+4	E	2	c-bc	40	92	38	7	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	14·3	-2	E'N	4	b	48	65	37	7	5	-	-	Tr	Tr	4000	1	3
Roches Point	15·6	0	E	4	z_0	43	97	42	5	5	-	-	1	1	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
London (Kew)	56	38	26	—	-	8·3
Croydon	57	35	30	—	-	6·6
S. Farnborough	58	37	33	—	-	7·9
Boscombe Down	58	34	30	—	-	9·0
Thorney Island	55	33	29	—	-	*
Lympne	52	30	*	—	-	8·3
Manston	47	35	30	—	-	4·8
Shoeburyness	55			—		
Felixstowe	53	37	34	—	-	8·8
Gorleston	48	40	37	—	-	5·1
Mildenhall	55	35	29	—	Tr	8·4
Cranwell	54	37	35	—	Tr	6·9
Birmingham	59	36	35	—	-	6·8
Upper Heyford	56	34	29	—	-	*
Ross-on-Wye	56	37	33	—	-	8·0
Hartland Point	56	39	38	—	-	9·3
Bristol	57	34	29	—	-	7·7
Portland Bill	50	37	*	—	-	*
Plymouth	58	40	28	—	-	9·2
The Lizard	55	43	*	—	-	9·4
Scilly (St. Mary's)	56	41	*	—	-	0·0
Guernsey						
Pembroke	56	39	*	—	-	7·7
Holyhead (Valley)	59	34	31	—	-	*
Chester (Sealand)	59	40	33	—	-	6·4
Manchester	56	38	32	—	-	*
Spurn Head	49	41	*	—	-	7·0
Catterick (Sc.)	53	38		—	-	
Tynemouth	44	41	39	—	-	*
St. Abbs Head	48	42	*	—	-	*
Leuchars	51	40		Tr	-	1·3
Renfrew (Abbots I.)	58	40	36	—	Tr	4·3
Eskdalemuir	57	34	30	—	-	6·8
Point of Ayre	52	41	*	—	-	8·8
Tiree	56	41	37	—	-	6·8
Stornoway	53	41	38	Tr	-	2·1
Dalwhinnie	51	34	27	—	-	0·4
Aberdeen †	48	41	37	Tr	-	0·0
Wick	47	40	38	Tr	-	*
Sumburgh	47	42	36	—	-	0·7
Blacksod Point	55	44	*	—	-	*
Malin Head	52	41		—	-	9·8
Aldergrove	56	39	36	—	-	6·8
Birr Castle	58	34	29	—	-	9·0
Valentia Obsy.	58	47	39	—	-	9·9
Roches Point	52	38	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 18th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	08438	12328	5-	03618	11428	52	02645	13428	50	01754	11424
115				5-	02834	08347	5-	02834	41487	54	01864	45524
203	54	02254	08325									
206	5-	05608	06228	5-	05547	04127	57	05664	08525	53	02865	08415
21[illegible]	53	05643	08446	53	05644	08426	53	02845	10428	53	02843	09315
219	70	01973	11463	54	05871	07312	50	01864	07314	50	02767	14317
230	5-	02765	10225	10	05863	08113				50	01861	04101
24[illegible]	5-	05678	04328	5-	08428	07358	53	05654	10426	5-	02758	07428
260	34	05563	12326	--	44109	00049	5-	43258	08448	57	05564	08242
27[illegible]	2-	05655	13305	40	01861	08312	54	01653	18513	50	01752	14212
279	20	05652	07412	04	05590	07502	5-	02747	06557	5-	02747	04327
285	23	08644	08415	23	05644	12514				5-	05638	06328
28[illegible]	5-	43365	01345	5-	05548	03328	53	05655	06327	5-	05658	05328
578	8-	05644	00024	10	05651	00001	53	05645	08118	54	05633	12224
301	10	01751	06301	04	05690	07404	5-	05657	06327	57	05654	06226
32[illegible]	00	05690	04440	50	05543	05313	53	05654	04326	5-	05648	04328
2[illegible]9				5-	05656	04416	80	02755	06515	80	03648	04528
292				50	05643	06313	5-	05645	04225	5-	22648	04268
310	--	01634	04514							--	02628	04428
614	50	08431	02301	04	05690	05402	5-	05656	03326	52	59515	70328

III	13h. G.M.T. 18th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	00	05690	10200	04	05690	28102	07	05590	39425	04	05690	06102
334	--	05590	6101							--	02545	00017
340	10	08443	00043	53	05651	06304	52	05657	06228			
136	5-	05626	05346	50	05631	05311	53	05631	06316	5-	05646	04428
330	50	05644	08314	54	05643	04314				53	01754	12315
350	00	05590	03410	03	06690	04402	5-	05538	04328	5-	05635	02428
368	00	08490	08400	00	05590	06303	57	08454	04515	00	05590	06300
37[illegible]	00	08490	21400	04	05690	04401	00	05690	04410	5-	08438	02328
390	00	05590	04300	5-	05556	04326	00	08490	02210	53	08444	31227
38[illegible]	00	05690	03440	00	05690	04301	00	05690	04400	5-	05648	03228
438	00	05590	02400	00	05590	02413	03	01690	02513	53	05653	02513
430	00	08490	04200	00	05590	02314	00	05690	03301	00	05690	02210
409	10	05761	04301	00	05690	13201	00	05590	04100	5-	05667	11227

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 19th March, 1943
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	Ffxbz$_0$y	b,cz$_0$y	cbez$_0$m.w
Croydon	fbz$_0$y	bz$_0$yecz$_0$y	cz$_0$yc
Greenwich	fby	by	cbc
Camden Square	c	c	*
Kensington	bc	bco	*
Hampstead	b	bco	odbc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 1·1 Time 8h on 18th; Min. ·04 Time 0-4h 19th.

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	56	38	26	-	·	8·3	*	*
Croydon	57	35	30	-	·	6·6	*	*
Greenwich	57	36	27	-	-	8·9	46	63
Westminster	58	38	32	-	-		45	80
Regents Park	56	37	32	-	-		55	74
Camden Square	58	37	31	-	-	*	*	76
Kensington	57	37	32	-	-		85	77
Hampstead	55	35	30	·	Tr		*	86

SECRET

Page 1 BRITISH SECTION

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

Saturday 20th March 1943. No. 29703.

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

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)	14·5	-6	N'W	2	z0	45	65	32	6	5	3	-	7-8	9+	4000
	Croydon	15·3	-6	NW	2	z0	44	65	34	5	2	3	-	7-8	9+	2500
	S. Farnborough	14·9	-2	NW'W	3	o/r	43	75	34	7	5	-	-	10	10	5000
	Boscombe Down	18·3	-10	NW'W	2	c-bc	47	65	35	6	5	-	-	7-8	7-8	1500
	Thorney Island	14·9	-6	N'W	2	c	48	55	31	7	2	-	-	9	9	2500
	Lympne	14·1	-2	W	2	z0	44	55	30	6	8	-	-	7-8	7-8	3500
	Manston	13·9	-2	NW	3	z0	44	55	28	6	5	3	-	4-6	9	4000
2	Shoeburyness	14·6	0	WSW	2	z0	44	65	34	5	5	-	-	9+	9+	2800
	Felixstowe	13·6	-6	ENE	2	z0	44	75	38	5	5	-	-	9	10	2500
	Gorleston	14·4	-6	NE'E	5	z0	42	75	35	6	5	-	-	10	10	1000
	Mildenhall	14·6	-6	NE	3	z0	42	85	36	6	5	-	-	10	10	1300
	Cranwell	15·8	-10	NE	3	ir0	41	92	39	6	5	-	-	9	10	1000
3	Birmingham	16·2	-10	NNE	3	z0	40	85	36	5	5	-	-	10	10	800
	Upper Heyford	15·3	-10	NE'N	3	ir0	41	85	36	6	5	-	-	4-6	10	900
4	Ross-on-Wye	16·5	-6	NE	3	pr	42	85	37	6	5	-	-	10	10	800
5	Hartland Point	15·6	-4	NNE	3	b	45	85	40	7	1	-	-	1	1	3000
	Bristol	16·3	-6	N'E	2	z0	46	75	37	6	8	3	-	9	9	2500
	Portland Bill	15·9	0	S	4	bc	47	85	43	8	5	-	-	4-6	4-6	4000
	Plymouth	16·1	-2	S	2	z0	47	75	38	7	1	3	-	Tr	4-6	4000
	The Lizard	15·4	+2	ENE	3	z0	48	85	44	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	15·1	0	ESE	3	z0	52	85	48	5	-	-	-	0	0	-
	Guernsey															
6	Pembroke	16·7	-8	SSE	1	z0	47	75	38	6	2	-	-	4-6	4-6	3000
7	Holyhead (Valley)	18·0	-6	ENE	3	z0	48	65	37	6	5	-	-	2-3	2-3	3000
	Chester (Sealand)	17·8	-10	E	2	c	45	75	37	5	5	7	-	7-8	10	3500
8	Manchester	17·5	-10	NNE	4	o	42	92	37	4	5	-	-	10	10	1500
10	Spurn Head	17·4	-4	ENE	5	o	42	85	37	6	7	-	-	10	10	1500
	Catterick (Sc)	21·1	-4	NE	3	id0	42	85	37	5	5	-	-	10	10	1000
	Tynemouth	21·6	-6	E	5	o/r	42	85	38	7	-	2	-	10	10	2200
11	St. Abbs Head	22·1	-4	E	3	r0r0	41	97	40	6	5	-	-	10	10	1500
	Leuchars	23·5	-4	ENE	4	d0d0	42	85	36	6	5	2	-	7-8	10	1500
12	Renfrew (Abbots I.)	21·9	-8	E'N	3	c/d	44	75	38	5	5	2	-	7-8	10	2500
	Eskdalemuir	21·2	-2	NE'E	4	c	40	75	34	7	5	7	-	9	9+	1800
	Point of Ayre	19·6	-8	E	4	c	44	75	38	8	5	-	-	9+	9+	5000
13A	Tiree	21·7	-6	SE	4	c	45	85	39	8	8	-	-	9+	9+	3000
13B	Stornoway	23·0	-8	SE	4	z0	47	76	38	8	1	4	-	2-3	4-6	3200
15	Dalwhinnie	23·5	-4	SE	2	c	39	75	32	7	5	-	-	9+	9+	2500
	Aberdeen	25·1	-6	SE'E	4	ir0	41	85	37	5	6	2	-	4-6	10	1500
	Wick	26·5	-2	SE'E	4	d0d0	42	75	34	7	5	-	-	10	10	2000
16	Sumburgh	30·1	-6	SE'E	5	c	43	85	38	8	5	-	-	9+	9+	2500
17	Blacksod Point	16·2	-8	SE	5	c-bc	47	78	39	6	5	-	6	4-6	7-8	2500
18	Malin Head	19·9	-6	SE'E	4	bc	45	55	31	8	2	-	-	4-6	4-6	2600
	Aldergrove	18·8	-10	ENE	3	c	45	75	35	7	8	-	-	9+	9+	2500
19	Birr Castle	17·0	-6	E	1	c-bc	48	65	38	7	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	14·1	-2	ESE	4	z0	56	65	45	6	-	-	-	0	0	-
	Roches Point	16·6	+2	E	4	z0	46	85	42	6	5	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 19th March — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 19th (39)	13h.–18h. 19th (40)	18h. 19th – 1h. 20th (41)	1h.–7h. 20th (42)
London (Kew)	15·0	+10	NW	2	ir0	42	75	36	6	5	-	-	9+	9+	2500	1	*	cir0z0	z0cir0m0	r0cir0cm	cm
Croydon	15·1	+2	NNW	2	m	43	75	35	4	5	-	-	10	10	1500	0	*	oz0	cz0ycz0cz	czidomc	cmcm
S. Farnborough	15·1	+8	NW'N	3	r0r0	42	75	36	6	5	-	-	10	10	1200	1	*	cm0z0ir0c	cz0ir0r0	crzir-bc	bcem
Boscombe Down	16·0	+6	N'W	2	z0	41	85	36	6	5	3	-	2-3	7-8	2500	0	*	cm0bcm0cz0	cpr0mcm	cm	cm bcm
Thorney Island	15·3	+6	NW	2	z0	46	65	35	6	4	-	-	9	9	4000	0	*	bcm0cm0	cm0	cm	cm0w
Lympne	14·7	+6	W'S	1	z0	42	75	33	6	5	-	-	9	9	6000	0	§3	cz0y	cz0y	cbeczm	cmmcm
Manston	14·1	+6	W	1	z0	43	65	32	6	5	-	-	9+	9+	5700	0	*	cz0	cz0y	czm	cmfx
Shoeburyness	14·8	+2	W	2	m	43	75	36	4	5	-	-	10	10	4000	0	*	cz0	cz0	cirm	cm
Felixstowe	14·0	+8	W'N	1	z0	42	92	39	5	5	-	-	9+	9+	4000	0	0	cm0cz0	cz0cm0	cm	cm
Gorleston	14·0	+2	ESE	1	z0	42	85	37	6	5	-	-	10	10	800	0	3	cz0	cz0z0	bcofff	offex
Mildenhall	14·2	+2	NW'N	1	d0d0	40	97	39	4	5	-	-	10	10	800	1	*	cz0ccm0	cm0d0d0	ofomiddd	idmmom
Cranwell	15·5	+2	NNE	3	z0	40	85	37	5	5	2	-	9+	10	800	1	*	r0	or	cirmcm	cbccm
Birmingham	16·2	0	N	2	r0r0	39	92	37	4	6	-	-	10	10	800	1	*	cir0	or0r0	cir	om
Upper Heyford	15·3	0	N'W	2	id0	39	97	39	5	5	-	-	10	10	800	1	*	cid0cm0	r0r0d0d0fm0	cid0mcm	cm
Ross-on-Wye	16·3	0	N	2	z0	42	85	37	6	5	-	-	10	10	800	0	*	om0d0cz	p0czoz	m0id0	om0
Hartland Point	15·1	0	NE	2	b	45	85	40	7	-	-	-	0	0	-	0	3	cbc	bcb	b	b
Bristol	16·4	+8	N	2	z0	43	85	39	5	8	-	-	9	9	2500	0	*	bm0xcm0cp0	p0cbcm0	cmcm	cm
Portland Bill	15·9	+6	W	2	c-bc	44	85	39	8	5	-	-	7-8	7-8	4000	1	3	c	bcc	bc	bcbc
Plymouth	16·0	+2	-	0	z0	44	85	39	6	1	4	-	Tr	Tr	4000	0	1	cm0cbc	bcm0	bfmbwif	bmmifx
The Lizard	15·0	-4	ENE	3	z0	46	85	42	6	-	-	-	0	0	-	0	3	cz0	cbcbz	bczb	bbcc
Scilly (St. Mary's)	14·7	-2	E	3	b	48	85	45	6	-	-	-	0	0	-	0	3	bcb	b	bbcw	bcc
Guernsey																					
Pembroke	16·4	-2	NE'N	2	b	45	75	37	7	1	-	-	Tr	Tr	3000	0	2	bcm0	bcbz0	bz0	bcm
Holyhead (Valley)	17·4	-4	ENE	3	z0	42	85	37	6	-	-	-	0	0	-	1	2	bz0	bz0	bm0w	cmx
Chester (Sealand)	17·3	0	NE	2	d0d0	43	85	39	5	5	-	-	10	10	2000	0	*	cm0z0	cz0d0d0	idmc	cm
Manchester	17·1	+2	NE	3	m	41	75	35	4	5	-	-	10	10	2800	1	*	od	cm0id0m	czidm	cmff
Spurn Head	16·1	-6	NE	4	o	43	85	38	6	7	2	-	7-8	10	1500	0	3	opr0m0	om0	cm	cm
Catterick (Sc)	19·0	0	NE	4	m/d	41	85	37	4	5	2	-	4-6	10	800	0	*	cm0	cm0id0m	cimr	bcmcm
Tynemouth	20·7	-4	E	5	o	42	85	36	7	8	-	-	10	10	2000	0	4	coir0	o	oir0	oir0
St. Abbs Head	20·6	-10	E	3	c/pr	41	85	36	6	5	2	-	7-8	10	1500	1	3	omprr0o	opr0m0	oprirm	orrm
Leuchars	22·4	-2	ENE	2	z0	42	75	36	6	5	-	-	10	10	800	1	*	cd0d0m0	cm0d0d0cm0	cm	cmcpridm
Renfrew (Abbots I.)	20·8	-4	E	3	z0	42	85	39	5	5	-	-	8	10	1600	1	*	cm0id0m0	cm0	id0cm0	cmir0
Eskdalemuir	19·9	-2	NE'E	4	o/d	39	92	35	6	5	-	-	10	10	900	1	*	c	cir0	cm	cid0
Point of Ayre	18·7	0	E	4	c	44	85	39	8	5	-	-	10	10	3500	1	4	cbcc	c	c	bbcc
Tiree	20·6	-2	ESE	3	c	44	85	40	8	5	7	-	7-8	9+	3000	0	3	bcc	ccjpc	•	bcc
Stornoway	22·3	+2	ESE	5	z0	46	85	39	7	5	-	-	7-8	7-8	3200	0	4	bcbbc	bcz0cz0	bccz	cbbcc
Dalwhinnie	23·5	-2	ESE	2	c-bc	38	85	33	7	5	-	-	7-8	7-8	2500	0	*	cpr0	c	*	co
Aberdeen	23·8	-6	ESE	4	c	42	75	36	6	5	-	-	4-6	10	2000	0	5	cz0ir0	czircz	cz	cz0
Wick	25·8	+8	SE	4	c	43	75	36	6	5	-	-	10	10	2000	0	*	cd0d0	cd0d0c	crrcmc	bccircc
Sumburgh	29·3	-4	SE'S	4	c	43	85	40	8	6	-	-	9+	9+	2000	0	3	bcb,c	c	cbcc	c
Blacksod Point	15·0	-10	SE	4	bc	48	65	37	7	-	-	6	0	4-6	-	0	4	c	bc	b	bc
Malin Head	18·5	-4	SSE	5	c-bc	45	65	34	8	2	-	-	7-8	7-8	2500	1	4	bc	bc	pr	bc
Aldergrove	19·1	-2	E	2	z0	42	75	36	6	5	-	-	7-8	9+	2500	1	*	cm0bcc	cm0	idirid	c
Birr Castle	16·6	-4	E	2	c-bc	45	65	34	8	5	-	8	4-6	7-8	2500	1	*	c	bc	*	bc
Valentia Obsy.	13·9	0	E'S	4	z0	43	75	41	6	1	-	4	Tr	9	2500	1	3	b	b	bc	bc
Roches Point	15·5	-6	E	4	b-bc	45	85	41	8	-	-	5	0	2-3	-	1	4	c	bc	b	-

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light variable winds becoming southeast or east; mainly fair, morning mist and fog; rather cold, night frost.
5 S.W. England, 6 South Wales	Light or moderate southeast wind, mainly fair becoming milder.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England	As 1-4
11 S.E. Scotland	Light or moderate east and southeast wind, cloudy, slight rain locally; rather cold
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Light or moderate southeast or east wind; mainly fair; rather cold, night frost locally.
15 N.E. Scotland	Moderate or fresh south east winds; cloudy, local rain; rather cold.
16 Orkneys and Shetlands	As 15
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light or moderate south east wind, fresh locally; fair at first, cloudy later with local drizzle and coast fog; becoming milder.

GENERAL INFERENCE

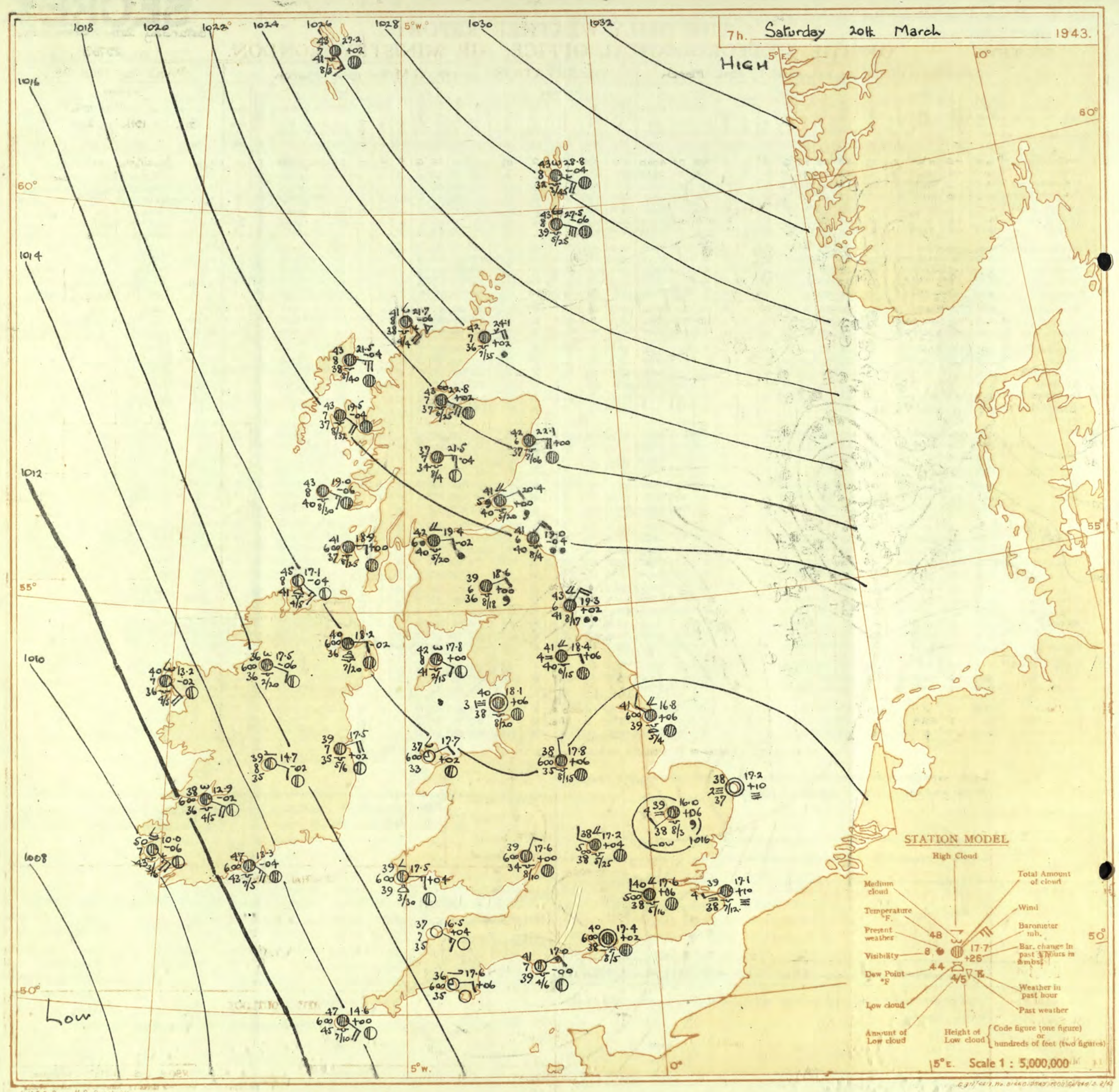
Pressure is high to the East and low to West and Southwest of the British Isles. Weather will be mainly fair over most of England, Wales and West Scotland.

FURTHER OUTLOOK

Fair over most of England, Wales and West Scotland; becoming warmer.

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 20th March 1943 No. 29703.

OBSERVATIONS at 1 hr. G.M.T. 20th March

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	290	17.0	+6	NNW	2	m	40	97	39	4	5	-	-	10	10	800
	S. Farnborough	226	16.8	+6	N	1	z₀	40	85	36	6	-	7	8	0	4-6	-
	Boscombe Down	417	17.4	+20	-	0	z₀	40	97	39	6	5	-	-	10	10	2500
	Thorney Island	10	16.9	+6	W	1	z₀	40	92	38	6	5	-	-	10	10	2500
	Lympne	283	16.0	+2	NW	2	z₀	37	92	35	5	5	-	-	10	10	6000
	Manston	154	16.1	+6	WNW	1	m	39	85	34	4	-	3	-	0	9+	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15.4	+4	SW'W	2	z₀	42	85	39	5	5	-	-	10	10	700
	Gorleston	5	16.1	+6	SW	1	F+	37	92	33	1	-	-	-	10	10	<150
	Mildenhall	15	15.8	+8	W	2	d₀d₀	39	97	39	4	5	-	-	10	10	700
	Cranwell	203	16.4	+6	N'W	3	z₀	40	92	37	6	5	-	-	10	10	900
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.7	+4	N'W	2	m	38	97	37	4	5	-	-	10	10	2100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16.4	0	ENE	3	b	38	85	34	7	-	-	-	0	0	-
	Bristol	209	17.7	+2	NNE	1	m	41	92	38	4	5	-	-	10	10	1300
	Portland Bill	32	17.2	+2	NW	2	b-bc	40	92	38	7	1	-	-	2-3	2-3	4000
	Plymouth	82	17.7	+2	E	1	if	36	85	33	5	-	-	-	0	0	-
	The Lizard	240	16.0	0	SE'S	4	b	45	85	39	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	15.8	+2	SE'E	3	bc	46	85	43	5	5	-	-	4-6	4-6	1000
	Guernsey	175															
6	Pembroke	142	17.8	+2	E'N	3	b	39	97	39	7	1	-	-	Tr	Tr	4000
7	Holyhead (Valley)	32	17.6	-4	-	0	z₀	40	85	35	5	5	-	-	9+	9+	2500
	Chester (Sealand)	16	18.3	+2	-	0	c	41	75	35	6	5	-	-	10	10	2000
8	Manchester	235	18.1	+2	NW	2	m	39	85	35	4	5	-	-	10	10	2500
10	Spurn Head	29	16.4	0	NE'N	3	c	42	85	37	6	7	1	-	4-6	9+	1500
	Catterick (Sc)	192	18.4	0	E	2	c/r	40	97	39	6	5	2	-	9	10	1000
	Tynemouth	108	19.3	-4	E	5	o	43	85	39	6	8	-	-	10	10	2500
11	St. Abbs Head	280	20.2	+2	NE	3	ir₀	42	85	38	6	5	-	-	10	10	1500
	Leuchars	36	21.2	-4	E	3	z₀	43	85	39	6	5	-	-	10	10	2000
12	Renfrew (Abbots I.)	19	20.6	-4	ENE	2	c/d	41	85	37	5	5	-	-	9	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18.7	0	E	4	c	43	85	38	7	6	*	*	4-6	10	1500
13A	Tiree	44	20.6	-4	E'S	4	c	43	92	40	7	5	-	-	9	9	3500
13B	Stornoway	15	23.0	0	ESE	4	c-bc	42	85	39	8	5	-	-	7-8	7-8	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22.8	-6	ESE	4	z₀	42	85	38	6	5	-	-	10	10	2000
	Wick	114	24.8	-8	ESE	4	c	43	75	37	7	5	-	-	7-8	9+	2000
16	Sumburgh	19	29.1	0	SE	5	c	44	85	40	8	5	-	-	2-3	10	2000
17	Blacksod Point	18	14.7	-6	SE'S	5	b	43	75	36	7	-	-	-	0	0	-
18	Malin Head	84	18.1	-6	ESE	3	c	44	75	37	8	8	-	-	10	10	2500
	Aldergrove	268	18.6	-10	E	3	c	41	85	36	7	5	-	-	10	10	2200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13.2	+6	E	5	z₀	45	75	38	6	2	-	7	4-6	10	2500
	Roches Point	22	15.7	-6	E	5	b-bc	44	85	40	8	5	-	-	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 20th March

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)	17.3	+6	W'N	2	z₀	40	85	36	5	5	-	-	10	10	2500	1	*
Croydon	17.6	+6	W'N	2	z₀	40	92	38	5	5	2	-	7-8	10	1600	0	*
S. Farnborough	17.5	+4	WNW	2	z₀	39	92	37	5	5	-	-	10	10	1800	0	*
Boscombe Down	17.5	-2	NNE	1	z₀	38	92	37	6	-	3	-	0	2-3	-	0	*
Thorney Island	17.4	+2	-	0	z₀	40	92	38	6	5	-	-	10	10	2500	0	*
Lympne	17.3	+10	NW	1	z₀	38	97	38	5	5	-	-	10	10	1600	0	§2
Manston	17.1	+10	WSW	1	m/f	39	92	38	4	5	-	-	9+	9+	1200	0	*
Shoeburyness	17.3	+10	NW	2	m	40	92	38	5	5	-	-	10	10	2500	0	*
Felixstowe	16.6	+10	W'S	1	z₀	40	97	39	5	5	-	-	10	10	1000	0	0
Gorleston	17.2	+10	-	0	f	38	97	37	2	-	-	-	10	10	<150	0	2
Mildenhall	16.0	+6	WSW	2	m	39	97	38	4	5	-	-	10	10	800	0	*
Cranwell	16.8	+10	NNW	4	z₀	39	85	35	5	5	-	-	9+	9+	2500	0	*
Birmingham	17.9	+6	NW	2	m	39	85	35	4	5	-	-	10	10	800	1	*
Upper Heyford	17.2	+4	NW'W	2	z₀	38	92	35	5	5	2	-	7-8	10	2500	1	*
Ross-on-Wye	17.6	0	NE'N	2	z₀	39	85	34	6	5	-	-	10	10	1000	0	*
Hartland Point	16.5	+4	ESE	3	b	37	92	35	7	-	-	-	0	0	-	0	3
Bristol	18.4	+6	-	0	m	38	92	36	4	5	-	-	10	10	2500	0	*
Portland Bill	17.0	0	ENE	3	bc	41	92	39	7	5	-	-	4-6	4-6	4000	1	3
Plymouth	17.6	+6	E	2	if x	36	92	35	6	-	-	-	0	1	-	0	1
The Lizard	15.6	+2	SE	4	c-bc	45	85	40	8	7	-	-	7-8	7-8	2000	0	4
Scilly (St. Mary's)	14.6	0	SE'E	4	z₀	47	92	45	6	5	-	-	9+	9+	1000	0	3
Guernsey																	
Pembroke	17.5	+4	E	3	z₀	39	97	39	6	2	1	-	2-3	4-6	3000	0	2
Holyhead (Valley)	17.7	+2	ENE	2	z₀	37	85	33	6	-	4	-	0	Tr	-	1	1
Chester (Sealand)	18.2	+8	-	0	c	40	85	36	2	5	-	-	10	10	2500	0	*
Manchester	18.1	+6	-	0	m/f	38	85	35	4	5	-	-	10	10	1500	0	*
Spurn Head	16.8	+6	NW'N	2	z₀	41	92	38	6	7	2	-	7-8	10	1500	0	3
Catterick (Sc)	18.4	+6	E	2	m	41	97	40	4	5	2	-	9	10	1500	1	*
Tynemouth	19.3	+2	NE	4	c/r	43	92	41	6	-	2	-	10	10	1700	1	4
St. Abbs Head	19.0	-4	NE	3	c/r	41	97	40	6	5	-	-	10	10	1500	1	3
Leuchars	20.4	0	ENE	2	id₀	41	97	40	5	5	2	-	7-8	10	2000	1	*
Renfrew (Abbots I.)	19.4	-2	E	2	ir₀	42	92	40	6	5	2	-	7-8	10	2000	1	*
Eskdalemuir	18.6	0	ENE	2	c	39	92	36	6	5	-	-	10	10	1800	1	*
Point of Ayre	17.8	0	ESE	2	c	42	85	38	8	5	3	-	1	9+	1500	0	2
Tiree	19.0	-6	SE'E	3	c	43	92	40	8	5	-	-	10	10	3000	0	2
Stornoway	21.5	-4	E	5	c	43	85	38	8	5	-	-	10	10	4000	1	4
Dalwhinnie	21.0	-4	E	3	o	37	85	34	7	5	-	-	10	10	1500	0	*
Aberdeen †	22.1	0	E	4	c	42	85	37	6	5	-	-	9+	10	2000	0	5
Wick	24.1	+2	E'N	4	c	42	75	36	7	5	-	-	9+	10	3500	1	*
Sumburgh	27.5	-6	ESE	6	c	43	85	39	8	5	7	-	7-8	10	2500	0	3
Blacksod Point	13.2	-2	SE	4	c-bc	40	85	36	7	5	5	-	4-6	7-8	2500	0	3
Malin Head	17.1	-4	SE	3	bc	45	85	41	8	8	-	-	4-6	4-6	2500	1	3
Aldergrove	18.2	-2	E	2	z₀	40	85	36	6	8	-	-	9+	9+	2000	1	*
Birr Castle	14.7	-2	ESE	2	bc	39	85	35	8	-	-	5	0	4-6	-	1	*
Valentia Obsy.	10.0	-6	SE	5	c	50	75	42	7	5	9	-	2-3	9+	4000	1	4
Roches Point	13.3	-4	E'S	5	z₀	47	85	42	6	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 19th Hrs. (38)
London (Kew)	45	40	38	Tr	Tr	0.2
Croydon	48	39	38	Tr	Tr	0.0
S. Farnborough	47	38	33	Tr	Tr	0.7
Boscombe Down	48	37	32	Tr	-	3.8
Thorney Island	51	37	28	Tr	-	*
Lympne	45	35	31	-	-	5.0
Manston	46	35	29	-	-	1.4
Shoeburyness	45	38	33	-	Tr	0.0
Felixstowe	45	40	37	-	-	0.3
Gorleston	43	36	28	-	-	0.0
Mildenhall	43	38	38	Tr	Tr	0.0
Cranwell	42	35	31	0.2	Tr	0.0
Birmingham	40	38	36	1	0.3	0.0
Upper Heyford	42	37	37	1	Tr	*
Ross-on-Wye	43	39	37	Tr	Tr	0.4
Hartland Point	52	36	31	-	-	9.3
Bristol	48	38	35	Tr	-	3.8
Portland Bill	50	38	*	-	-	*
Plymouth	49	34	26	-	-	2.9
The Lizard	51	44	*	-	-	4.0
Scilly (St. Mary's)	53	44	*	-	-	6.5
Guernsey						
Pembroke	49	35	*	-	-	8.6
Holyhead (Valley)	48	35	36	-	-	*
Chester (Sealand)	46	40	34	Tr	Tr	2.1
Manchester	44	38	36	Tr	Tr	*
Spurn Head	43	40	*	-	-	0.0
Catterick (Sc)	42	36	33	Tr	Tr	0.0
Tynemouth	43	41	39	Tr	0.2	*
St. Abbs Head	42	39	*	0.4	0.4	*
Leuchars	43	40	38	0.4	Tr	0.0
Renfrew (Abbots I.)	44	40	38	Tr	0.1	0.0
Eskdalemuir	40	36	35	Tr	Tr	0.0
Point of Ayre	46	41	*	-	-	2.9
Tiree	46	39	36	-	-	3.1
Stornoway	48	40	36	-	-	6.5
Dalwhinnie	42	35	33	Tr	-	0.9
Aberdeen †	43	41	39	Tr	-	0.0
Wick	45	38	37	Tr	Tr	*
Sumburgh	45	42	38	-	Tr	5.2
Blacksod Point	49	39	*	-	-	*
Malin Head	45	39		-	Tr	5.4
Aldergrove	48	39	38	-	1	1.4
Birr Castle	50	35	29	-	-	5.7
Valentia Obsy.	57	44	41	-	-	9.1
Roches Point	48	42	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 19th March)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 20th March)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 5-	51758	12488	52	02756	11428	5-	02755	11425	57	02754	10528
115 94	14844	73623	94	14844	995-6	54	02844	12326	54	02844	45486
203 50	10854	12314							5-	03848	12228
206 5-	02767	08627	53	02757	10427	57	02756	10368	57	02756	10528
210 5-	05663	11426	5-	61648	09368	5-	02745	08328	57	02646	08328
219 10	01864	13324	70	02864	11214	53	02765	11417	5-	02768	10428
230 5-	05867	09227	5-	02868	08128	5-	05768	00028	5-	05765	08125
245 5-	51545	06458	5-	62645	08368	57	05655	06428	52	05646	41428
260 5-	52548	07258	5-	21434	04358	52	08456	08358	5-	52448	07358
278 83	02755	08525	4-	02754	09424	5-	02758	12228	5-	02657	14127
279 8-	05647	04667	5-	21658	05358	5-	51648	02158	5-	05648	08168
285 5-	61528	04478	5-	51628	08458				5-	05627	04227
288 52	61645	06468	5-	21648	06258	5-	05658	02228	5-	47346	01258
575 5-	02867	12227	57	05756	14127	00	05690	00010	53	05652	10216
301 5-	17648	06428	5-	21648	08358	5-	05668	04258	5-	47358	00028
321			5-	51628	02358	5-	05648	32358	5-	05648	30228
2. 8-	05648	06528	5-	25648	04488	5-	05648	04428	5-	05645	04327
292 52	51646	04358	5-	05645	02328	5-	05648	32228	57	05643	02227
310 --	48263	04429	--	02428	04458				--	02628	24428
614 52	61646	02358	52	21534	0235·	5-	21548	31158	5-	05567	31127

IIIC_L C_M (13h. G.M.T. 19th March)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 20th March)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 8-	03665	06415	8-	05563	06213	00	05590	00010	5-	05658	06328
334 --	01437	10228	--	03537	02328				--	05547	00028
340 52	05645	04168	62	52434	32154	52	05545	32128	5-	05548	28128
136 5-	05638	05428	5-	52538	04258	5-	05548	24158	5-	42538	12248
336 23	02754	04417	57	02654	04328				57	02654	04328
350 52	52644	02358	62	62434	01268	02	21448	26268	5-	08438	26228
368 20	05654	04414	8-	05567	20227	50	00561	00001	00	08490	04100
379 5-	54525	30368	5-	52428	32458	5-	08438	06128	5-	05548	28128
390 5-	05546	30328	5-	08458	30228	5-	21448	28258	5-	45338	26248
382 8-	05648	30228	62	21536	28258	52	05566	32268	52	05566	00028
438 50	05546	23316	57	05654	22315	57	05555	:6217	5-	05548	26228
430 5-	05668	24228	5-	61654	01227	5-	05645	32128	5-	05657	28127
409 5-	05664	26124	00	05690	03211	00	05690	10300	00	05690	13400

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 20th March, 1943. 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	cir₀z₀	z₀ cir₀ mo	r₀cir₀ cmo
Croydon	oz₀	cz₀y cz	czid₀ cm
Greenwich	c	cz₀ yromo	cmom
Camden Square	c	c	*
Kensington	c	c	*
Hampstead	o	od	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.3 Time 19h 19th; Min. <0.1 Time 0-6h 20th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	45	40	38	Tr	Tr	0.2	*	*
Croydon	48	39	38	Tr	Tr	0.0	*	*
Greenwich	45	40	36	Tr	-	0.4	59	81
Westminster	46	40	38	-	-		67	83
Regents Park	44	40	37	Tr	Tr		68	87
Camden Square	45	37	37	-	-	*	*	88
Kensington	45	40	38	Tr	Tr		74	85
Hampstead	43	37	34	Tr	-		*	91

BRITISH SECTION

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

SECRET

Sunday 21st March, 1943.

No. 29704.

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

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)	18·3	-2	WNW	2	z_0	45	65	36	6	5	–	–	9+	9+	2500
	Croydon ...	18·6	+2	NNW	1	z_0	45	63	34	5	5	–	–	9+	9+	4000
	S. Farnborough	18·1	-4	N'W	1	z_0	46	55	31	6	5	–	–	9+	9+	2500
	Boscombe Down	18·6	-8	–	0	c	45	65	32	7	5	–	–	9+	9+	3000
	Thorney Island	18·3	0	–	0	z_0	46	65	33	6	5	–	–	10	10	4000
	Lympne ...	17·6	-6	WNW	1	z_0	47	75	36	6	5	–	–	9+	9+	3500
	Manston ...	18·1	0	N	2	z_0	44	75	37	6	5	–	–	7-8	7-8	3500
2	Shoeburyness ...	18·1	-2	–	0	z_0	46	75	38	5	8	–	–	9	9	4000
	Felixstowe ...	17·7	+2	SW	1	z_0	45	85	40	6	5	1	–	9+	10	1700
	Gorleston ...	18·4	+2	S'W	2	z_0	44	86	38	6	5	3	–	4-6	4-6	1500
	Mildenhall ...	17·8	+2	SW'S	2	z_0	46	65	36	6	8	–	–	4-6	10	2500
	Cranwell ...	17·6	0	N'W	2	z_0	48	65	37	6	5	–	–	7-8	7-8	2000
3	Birmingham ...	18·0	+2	–	0	z_0	45	65	34	5	5	–	–	9	9	2500
	Upper Heyford	17·9	-2	WNW	1	z_0	43	75	36	5	5	–	–	10	10	2500
4	Ross-on-Wye	18·2	0	ENE	2	bc	46	55	30	7	5	–	–	4-6	4-6	3000
5	Hartland Point	16·3	-4	ESE	2	b	50	75	42	7	–	–	5	0	1	–
	Bristol ...	18·6	+4	SE	1	z_0	48	55	32	6	5	–	1	1	2-3	4000
	Portland Bill ...	17·9	-2	E	3	bc	45	92	43	7	2	–	–	4-6	4-6	4000
	Plymouth ...	17·5	-4	SE	3	z_0	51	65	40	7	1	–	–	Tr	Tr	2500
	The Lizard ...	15·7	-4	SE	4	c-bc	51	75	42	7	7	–	–	7-8	7-8	2000
	Scilly (St. Mary's)	14·6	-6	ESE	4	c-bc	52	85	46	6	5	–	–	7-8	7-8	900
	Guernsey ...															
6	Pembroke ...	17·4	+2	SSE	5	z_0	47	85	43	6	1	4	2	1	7-8	3000
7	Holyhead (Valley)	17·9	-2	SW	2	z_0	49	55	33	6	1	–	–	1	2-3	4000
	Chester (Sealand)	18·1	-6	–	0	c	50	55	35	6	2	1	–	2-3	10	2500
8	Manchester ...	18·4	0	NNW	2	m	46	75	37	4	5	–	–	7-8	7-8	4000
10	Spurn Head ...	18·0	+4	SE'S	2	z_0	47	75	40	6	7	1	–	4-6	9+	2500
	Catterick (Sc) ...	18·6	0	N	2	z_0	45	85	40	5	5	2	–	7-8	10	1500
	Tynemouth ...	19·7	+4	N	3	z_0	44	92	42	6	8	–	–	9+	9+	2000
11	St. Abbs Head	20·6	+2	NE	2	o	42	92	40	6	5	2	–	7-8	10	1000
	Leuchars ...	20·2	-2	ENE	2	c/r	43	92	41	6	5	–	–	7-8	10	200
12	Renfrew (Abbots I.)	19·8	+2	ENE	3	z_0	45	85	41	6	5	–	–	7-8	10	600
	Eskdalemuir ...	18·8	-4	NE'E	3	z_0	43	85	38	6	5	–	–	10	10	1100
	Point of Ayre ...	18·4	+2	SE'S	3	b	50	75	41	7	2	–	–	Tr	Tr	3000
13A	Tiree	19·0	-2	ESE	4	c-bc	46	92	44	7	7	–	–	7-8	7-8	5000
13B	Stornoway ...	20·7	+10	ESE	5	z_0	46	92	39	8	1	3	–	Tr	4-6	3000
15	Dalwhinnie ...	20·4	0	E	2	o	39	85	35	7	5	–	–	10	10	1500
	Aberdeen ...	22·0	-2	ESE	3	c	43	85	39	6	5	2	–	9	10	1000
	Wick ...	23·5	-4	ESE	5	c	44	85	39	7	9	–	–	10	10	2000
16	Sumburgh ...	27·5	-6	ESE	6	ir_0	43	85	38	7	5	–	–	9	10	1500
17	Blacksod Point	11·4	-14	SE	5	c	47	75	39	7	5	–	–	10	10	2500
18	Malin Head ...	16·8	-6	SE'S	3	c	46	65	35	8	8	–	–	9+	9+	2500
	Aldergrove ...	17·9	-2	S'E	2	z_0	45	65	35	6	5	–	–	9+	9+	2000
19	Birr Castle ...	14·6	-6	ESE	3	bc	51	65	40	8	8	–	–	4-6	4-6	2500
20	Valentia Obsy.	10·2	+2	SE	5	c/r	53	75	45	7	5	2	–	9	10	4000
	Roches Point	14·0	0	SE'E	5	z_0	49	92	47	5	5	–	–	9+	9+	1500

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

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)	18·6	+4	NNW	1	z_0	46	65	36	5	5	–	–	10	10	2500	1	*
	Croydon ...	18·8	+4	N	1	m	46	65	35	4	5	–	–	9+	9+	3000	0	*
	S. Farnborough	18·3	+6	–	0	z_0	46	55	31	6	5	7	–	9	9+	3700	0	*
	Boscombe Down	18·6	+6	NE	1	z_0	45	65	32	6	–	–	6	0	4-6	–	0	*
	Thorney Island	17·9	-2	SSE	1	z_0	45	65	35	6	–	4	1	0	1	–	0	*
	Lympne ...	18·3	+6	–	0	z_0	43	75	36	6	5	–	–	9+	9+	3500	0	§
	Manston ...	18·1	0	–	0	z_0	44	75	37	5	5	–	–	10	10	2000	0	*
2	Shoeburyness ...	18·7	+4	N'E	1	z_0	44	75	36	6	5	–	–	10	10	4000	0	*
	Felixstowe ...	18·1	+2	ENE	1	z_0	42	92	39	5	5	1	–	7-8	9	5700	0	1
	Gorleston ...	18·6	+8	S	2	z_0	43	92	40	6	5	–	–	10	10	1800	0	2
	Mildenhall ...	18·1	+2	–	0	z_0	44	75	35	6	–	–	–	0	0	–	0	*
	Cranwell ...	18·0	+6	SSE	2	z_0	46	75	37	6	5	–	–	4-6	7-8	2000		*
3	Birmingham ...	17·8	+2	ENE	2	z_0	46	65	34	6	5	–	–	9+	9+	2500	1	*
	Upper Heyford	17·7	+4	NE	2	z_0	45	75	36	6	5	–	–	9	9	3000	0	*
4	Ross-on-Wye	17·5	0	E	2	z_0	44	65	32	6	–	–	1	0	1	–	0	*
5	Hartland Point	15·6	0	E	3	bc	48	75	40	7	–	–	5	0	4-6	–	0	3
	Bristol ...	18·2	+2	ESE	2	z_0	44	65	34	6	–	5	2	0	4-6	–	0	*
	Portland Bill ...	17·5	+8	ESE	3	c-bc	44	85	41	7	5	4	–	4-6	7-8	4000	1	3
	Plymouth ...	16·8	-2	ESE	3	z_0	46	85	42	6	–	–	9	0	2-3	–	0	2
	The Lizard ...	15·0	-2	SSE	4	z_0	48	75	41	6	7	4	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	13·9	+2	E	4	bc	48	85	45	6	–	–	3	0	4-6	–	0	4
	Guernsey ...																	
6	Pembroke ...	16·4	0	SE'E	3	z_0	47	85	43	6	7	4	–	2-3	4-6	3000	0	3
7	Holyhead (Valley)	17·3	0	ENE	1	z_0	46	75	39	6	–	–	1	0	Tr	–	1	1
	Chester (Sealand)	17·7	0	S	1	b	48	65	39	6	–	–	–	0	0	–	0	*
8	Manchester ...	17·8	+4	–	0	m	46	65	35	4	9	–	–	10	10	4000	0	*
10	Spurn Head ...	18·6	+2	SE'E	3	z_0	43	85	38	6	5	7	–	4-6	10	1500	0	3
	Catterick (Sc) ...	18·9	+6	ENE	2	m	43	85	39	4	5	2	–	7-8	10	700	0	*
	Tynemouth ...	19·5	+4	NE	3	z_0	44	92	42	6	8	–	–	9+	9+	1500	0	4
11	St. Abbs Head	19·3	0	E	3	z_0	42	92	40	6	5	–	–	10	10	1000	1	3
	Leuchars ...	20·5	+6	E	3	dr	43	97	43	4	5	–	–	10	10	300	1	*
12	Renfrew (Abbots I.)	19·3	+4	ENE	2	z_0	44	92	41	5	5	–	–	10	10	2500	1	*
	Eskdalemuir ...	19·2	+4	NE'E	2	z_0	41	85	37	6	5	–	–	10	10	1100	1	*
	Point of Ayre ...	18·2	0	–	0	b-bc	45	75	37	7	5	–	4	1	2-3	3000	0	1
13A	Tiree	17·9	-2	ESE	4	c	45	92	43	7	5	–	–	9+	9+	4000	0	4
13B	Stornoway ...	19·7	-8	ESE	6	z_0	45	92	41	7	5	–	–	1	1	4000	1	4
15	Dalwhinnie ...	20·0	0	SE	2	o	40	85	35	6	5	–	–	10	10	1500	0	*
	Aberdeen ...	22·7	+8	ESE	4	z_0	43	85	39	6	5	2	–	7-8	10	1000	0	4
	Wick ...	23·1	0	SE	5	c/r	43	92	37	6	5	–	–	4-6	10	800	1	*
16	Sumburgh ...	27·7	+2	ESE	5	c	43	85	38	8	5	–	–	9	10	1500	0	3
17	Blacksod Point	11·1	0	SE	5	o/r	49	85	45	7	5	–	–	10	10	1500	1	4
18	Malin Head ...	15·8	+2	SE	3	c-bc	46	65	35	8	4	–	7	2-3	7-8	2500	1	2
	Aldergrove ...	17·5	+4	SSE	2	z_0	44	65	34	6	5	–	4	4-6	9	3000	1	*
19	Birr Castle ...	14·1	0	SSE	2	c	48	65	37	8	5	1	–	7-8	10	2500		*
20	Valentia Obsy.	10·0	-2	SE	6	c	53	65	42	8	5	7	–	9	9+	4000	1	4
	Roches Point	13·7	+4	SE'S	5	z_0	49	97	49	5	5	–	–	9+	9+	1500	1	5

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 20th (39)	Weather. 13h.—18h. 20th (40)	Weather. 18h. 20th to 1h. 21st (41)	Weather. 1h.—7h. 21st (42)
1	London (Kew)	cm_0z_0	cz_0	cbcm	bbcfx
	Croydon ...	$cmczcz_0$	cz_0cz	cfbfw	bfwoF
	S. Farnborough	cz_0	ccz_0y	$cz_0yfbwofw$	cbfxoFcfx
	Boscombe Down	c	$cbcz_0y$	$bcbz_0$	$bcmbmx$
	Thorney Island	cm_0	cbz_0ybz_0	bm_0	$bmbcmx$
	Lympne ...	$cmbcm_0z_0$	cz_0	cm_0w	$cmmffw$
	Manston ...	$cmidz_0$	cm_0	cm_0mof	offecf
2	Shoeburyness ...	cm_0	cz_0		cmz
	Felixstowe ...	cm_0	$bmcm_0$	cmbmuf	om
	Gorleston ...	$cmbcz_0$	bcz_0cz_0	cffcm	czbif
	Mildenhall ...	cm_0cz_0	cz_0bcbz_0	bcmbfFx	oFx
	Cranwell ...	cm_0bcz_0	cz_0	bm_0oFX	oFxFe
3	Birmingham ...	mocz	cz	cbc	bcxf
	Upper Heyford	cm_0	cz_0bcz_0	cz_0bm_0	bm_0bmx
4	Ross-on-Wye	$cmcz_0bcz_0$	byz_0	bzcm	cmbfx
5	Hartland Point	bbc	bc	bc	bc
	Bristol ...	$czcc$	bz_0ybcz_0y	cmcfx	bcbmxbfmx
	Portland Bill ...	cbc	bcc	bb	bbcc
	Plymouth ...	bm_0z_0	bz_0cbz	bcm_0bm_0	$bcbm_0$
	The Lizard ...	c	$cbcz_0$	b	bbc
	Scilly (St. Mary's)	c	cbc	bc	bcbbc
	Guernsey ...				
6	Pembroke ...	bcm_0	bcm_0	cm_0	bcbbcm
7	Holyhead (Valley)	bm_0z_0	bz_0y	$bcbmw$	cvm_0wx
	Chester (Sealand)	cm_0z_0y	cz_0yb	bcz_0mb	bm_0ffx
8	Manchester ...	cffm	$bccz_0cz$	czmbff	ceff
10	Spurn Head ...	cm_0	cm_0	bm_0	cm_0
	Catterick (Sc) ...	cmm_0	cm	cid	bff
	Tynemouth ...	bcm_0	cm_0	cbcm	$bccm_0$
11	St. Abbs Head	or_0r_0m	om_0	ocm	cm
	Leuchars ...	$cd_0r_0r_0m_0$	$m_0d_0r_0$	cmbbcz	$bccid_0m_0$
12	Renfrew (Abbots I.)	$d_0d_0cm_0$	cm_0	cmiz	$cmbm_0cm_0$
	Eskdalemuir ...	bid_0cm_0	cm_0	com_0	$ocbcm_0$
	Point of Ayre ...	cb	b	bbcc	bbcz
13A	Tiree	c	c	cbcb	b
13B	Stornoway ...	bcc	bcz_0	bccz	$czbcz_0bz_0$
15	Dalwhinnie ...	o	o	*	oc
	Aberdeen ...	cir_0zd	cz_0	cir_0z_0	$cidz_0$
	Wick ...	c	$cir_0r_0r_0c$	cir_0c	c
16	Sumburgh ...	cpr_0ir_0	ir_0c	o	bbc
17	Blacksod Point	c	r	r	c
18	Malin Head ...	bc	bc	bc	b
	Aldergrove ...	cz_0	cz_0	$cbcm_0$	bcm_0
19	Birr Castle ...	bc	c	*	c
20	Valentia Obsy.	r	r	c	c
	Roches Point	c	c	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 21st March 1943

Districts.	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable or easterly winds; mainly fine today after local fog at first; fairly general fog developing tonight, mainly before midnight; rather cold, with frost at night
5 S.W. England 6 South Wales 7 North Wales	Moderate or fresh easterly winds, fine; local fog in East Wales tonight; rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England	Light easterly winds; fair, rather general fog tonight; rather cold.
11 S.E. Scotland	Moderate or fresh southeast winds; cloudy; rather cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	As 5-7
14 Mid Scotland 15 N.E. Scotland	As 11
16 Orkneys and Shetlands	As 11
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southeast winds; fair; rather cold.

GENERAL INFERENCE

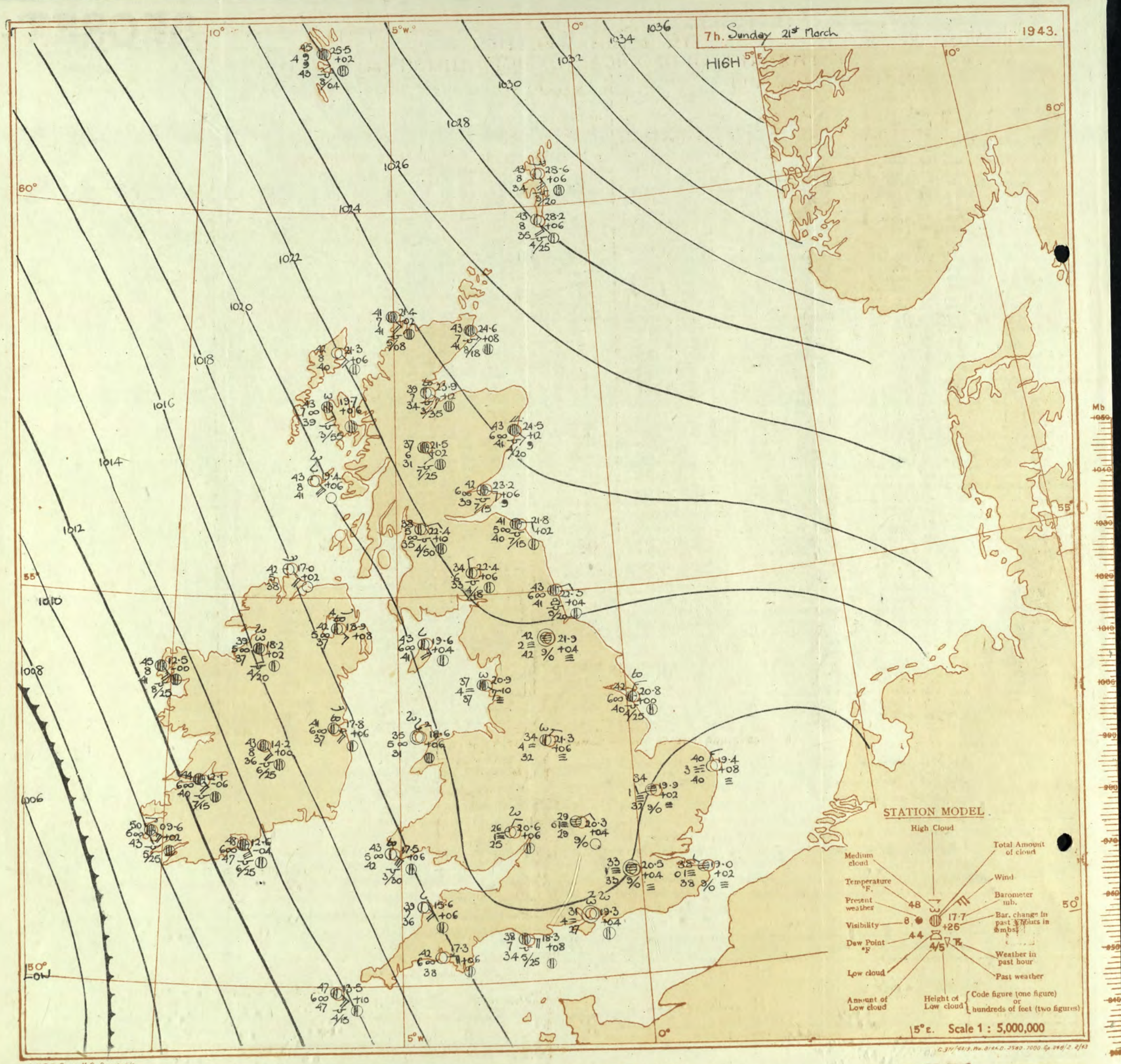
Pressure is high to the northeast, and low to the southwest of the British Isles; weather will be fine in western districts; weather will be cloudy in East Scotland; middle and eastern districts of England will be mainly fine this afternoon, but fairly general fog will develop tonight

FURTHER OUTLOOK

Local rain in extreme west; fair elsewhere, with decreasing risk of fog in England

Forecasts issued at 10·30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

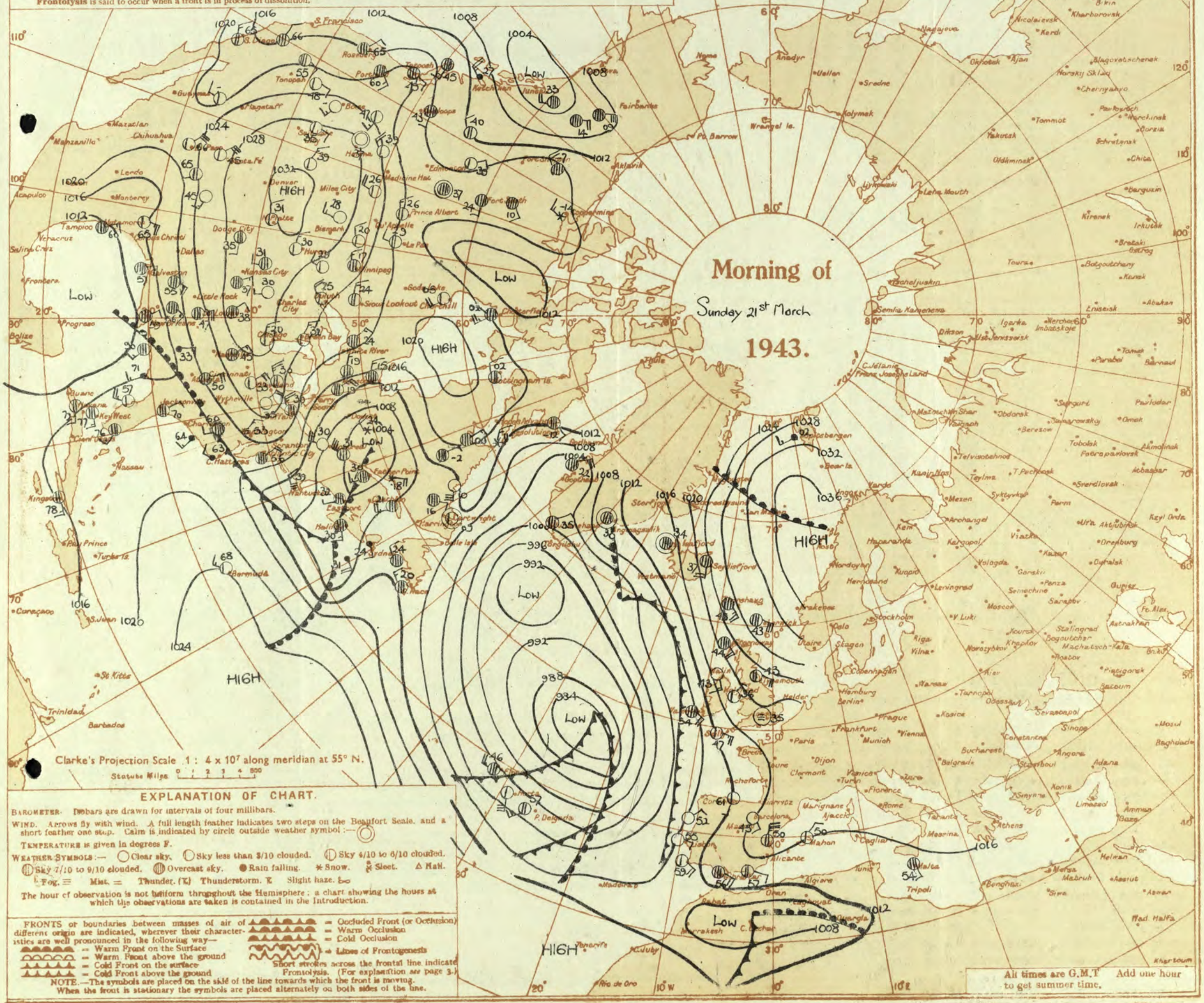
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 21st March, 1943

No. 29764.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon	290	20·2	+2	-	0	bcf	35	92	33	3	5	-	-	4-6	4-6	2500
	S. Farnborough	226	19·6	0	-	0	cf	31	85	28	3	-	7	-	0	10	-
	Boscombe Down	417	19·8	+2	E'N	2	z0	35	85	32	6	-	-	9	0	2·3	-
	Thorney Island	10	19·0	+2	N	1	z0	33	85	30	5	-	-	-	0	0	-
	Lympne	283	19·6	+2	N	1	z0	38	97	37	5	5	-	-	10	10	4000
	Manston	154	19·2	+6	-	0	of	39	97	39	3	5	-	-	10	10	300
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19·2	-2	WNW	2	bf+	39	97	39	2	-	-	-	0	0	-
	Gorleston	5	19·4	-4	NW'N	2	c/f	37	92	38	5	5	-	-	9+	9+	1500
	Mildenhall	15	20·0	+2	NE'E	2	F	30	97	30	0	-	-	-	10	10	<150
	Cranwell	203	20·6	0	-	0	F	31	97	31	0	-	-	-	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	+4	NE'E	1	z0	34	97	32	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·6	-4	ENE	4	bc	41	92	39	7	-	-	6	0	4·6	-
	Bristol	209	19·8	+2	-	0	m/f	34	85	31	4	-	-	8	0	4·6	-
	Portland Bill	32	18·2	-6	E	3	o	43	92	41	7	-	-	-	0	0	-
	Plymouth	82	17·6	+2	E	4	z0	41	85	37	6	-	-	1	0	1	-
	The Lizard	240	15·8	-4	E	5	b	46	85	43	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	13·6	-6	E	5	b·bc	47	92	45	6	-	-	2	0	2·3	-
	Guernsey	175															
6	Pembroke	142	17·9	+6	SE'E	5	z0	44	92	42	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	32	18·6	+2	NE	1	m	36	92	33	4	-	-	1	0	Tr	-
	Chester (Sealand)	16	20·4	+10	-	0	z0	37	85	34	5	-	-	-	0	0	-
8	Manchester	235	20·5	+4	-	0	bf	35	92	33	3	-	-	-	0	0	-
10	Spurn Head	29	20·1	-4	N	2	z0	39	92	37	6	-	-	-	0	0	-
	Catterick (Sc)	192	21·2	+4	-	0	m	41	92	39	4	5	-	-	9+	9+	1100
	Tynemouth	108	21·8	+4	ESE	4	z0	43	92	41	6	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	21·0	0	SE	3	z0	41	92	39	5	5			7-8	7-8	1500
	Leuchars	36	22·8	+6	E'S	4	z0	41	92	39	4	5	-	-	4-6	4-6	1500
12	Renfrew (Abbots I.)	19	21·3	+6	E'S	3	z0	42	85	38	5	5	3		2-3	7-8	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·5	+2	SE'E	4	z0	44	85	41	6	-	-	-	0	0	*
13A	Tiree	44	19·1	+2	SE	4	b-bc	45	97	43	8	5	-	-	2-3	2-3	3000
13B	Stornoway	15	21·0	+2	SE	4	z0	44	92	42	6	8	-	-	10	10	3200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23·9	-2	SE	2	z0	41	85	38	6	5		-	10	10	1000
	Wick	114	24·2	-2	ESE	4	z0	43	85	40	6	5	-	-	10	10	1500
16	Sumburgh	19	28·4	+2	SE'E	4	c	43	75	37	7	5	7	-	4-6	9+	1500
17	Blacksod Point	18	13·0	+2	SE	6	c	47	85	43	7	6	-	-	9+	9+	1500
18	Malin Head	84	17·4	+6	SE'S	3	b	43	75	36	7	-	-	-	0	0	-
	Aldergrove	268	19·0	0	ESE	2	z0	39	92	36	5	-	-	8	0	2·3	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·4	-6	ESE	5	c	51	65	40	7	5	4	7	1	10	4000
	Roches Point	22	13·8	-6	ESE	5	z0	48	97	48	6	5	-	5	2-3	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 21st March — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
London (Kew)	20·2	+4	-	0	b-bcF-	32	85	28	1	-	5	-	0	2·3	-	1	*	47	29	17	-	Tr	0·1
Croydon	20·5	+4	-	0	F	33	97	33	1	-	-	-	10	10	<150	0	*	47	32	27	-	Tr	0·2
S. Farnborough	20·7	+12	-	0	cf-	27	97	27	2	-	7	-	0	9+	-	0	*	48	25	16	-	-	0·6
Boscombe Down	20·3	+8	ENE	2	z0	34	92	32	6	-	4	5	0	2·3	-	0	*	49	32	26	-	-	4·1
Thorney Island	19·3	+4	-	0	m	31	85	27	4	-	3	9	0	2·3	-	0	*	48	30	22	-	-	*
Lympne	19·3	+6	N'E	2	cf-	37	97	37	2	-	3	-	0	9	-	0	§	47	36	32	-	-	1·8
Manston	19·0	+2	WNW	1	F+	38	97	38	0	-	-	-	10	10	<150	1	*	45	36	32	Tr	-	1·5
Shoeburyness	19·8	+2	NNW	2	m	34	97	32	4	5	-	-	9+	9+	1500	0	*	48	29	26	-	-	0·7
Felixstowe	19·3	+6	W'N	2	m	39	92	38	4	5	-	-	10	10	300	0	1	51	30	29	-	-	1·3
Gorleston	19·4	+8	N	3	if	40	97	40	3	-	-	-	0	0	-	0	2	45	34	32	-	-	3·4
Mildenhall	19·9	+2	WSW	2	F	34	92	32	1	-	-	-	10	10	<150	0	*	48	29	25	Tr	Tr	2·0
Cranwell	20·7	+2	N	1	F+	34	97	34	0	-	-	-	10	10	<150	0	*	49	29	25	-	0·1	2·3
Birmingham	20·6	+6	-	0	b-bcf	34	92	32	2	-	4	-	0	2·3	-	1	*	45	33	20	-	-	0·4
Upper Heyford	20·3	+4	ENE	2	F+	29	97	29	0	-	-	-	10	10	<150	0	*	47	29	26	-	-	*
Ross-on-Wye	20·6	+6	NNE	1	bF	26	97	25	1	-	-	9	0	1	-	0	*	49	26	19	-	-	4·9
Hartland Point	15·6	+6	ESE	4	b-bc	39	92	36	7	-	-	4	0	2·3	-	0	3	52	39	37	-	-	8·6
Bristol	20·7	+10	SSE	1	m	29	97	29	4	-	-	-	0	0	-	3	*	51	27	21	-	-	5·2
Portland Bill	18·3	+8	E	4	cbc	38	85	33	7	5	-	-	7-8	7-8	2500	1	4	46	38	*	-	-	*
Plymouth	17·3	+6	E	4	z0	42	85	38	6	-	-	-	0	0	--	0	2	52	40	35	-	-	9·5
The Lizard	15·3	+2	E	5	bc	46	92	44	7	4	-	-	4-6	4-6	2000	0	4	52	45	*	-	-	7·2
Scilly (St. Mary's)	13·5	+10	E'S	5	z0	47	97	47	6	5	-	-	4-6	4-6	1500	1	4	53	45	*	-	-	6·4
Guernsey																							
Pembroke	17·5	+6	ESE	6	z0	43	97	42	5	5	7	-	2·3	2·3	3000	0	3	49	42	*	-	-	8·5
Holyhead (Valley)	18·6	+6	-	0	z0	35	85	31	5	-	4	9	0	4-6	-	0	1	50	33	29	-	Tr	*
Chester (Sealand)	20·2	+2	-	0	bcf-	34	92	32	3	-	-	9	0	4-6	-	3	*	52	32	25	-	Tr	6·6
Manchester	20·9	+8	ENE	2	c-bcf	32	97	31	3	-	3	-	0	7-8	-	0	*	49	31	22	-	-	*
Spurn Head	20·8	0	NNE	3	z0	42	97	40	6	5	7	-	4-6	9	2500	0	3	48	36	*	-	-	1·9
Catterick (Sc)	21·9	+4	-	0	f	42	97	42	2	-	-	-	10	10	<150	0	*	45	29	28	-	-	0·0
Tynemouth	22·3	+4	ENE	2	z0	43	92	41	6	8	-	-	7-8	7-8	2000	0	3	45	41	34	-	-	*
St. Abbs Head	21·8	+2	E	2	z0	41	97	40	5	5	-	-	9+	9+	1500	0	3	42	40	*	0·1	-	*
Leuchars	23·2	+6	E	2	z0	42	85	39	6	5	-	-	9+	9+	1500	1	*	44	41	34	0·3	0·1	0·0
Renfrew (Abbots I.)	22·4	+10	E'N	2	z0	38	85	35	5	5	-	-	4-6	4-6	5000	1	*	45	37	33	Tr	-	0·0
Eskdalemuir	22·4	+6	NNW	1	z0	34	97	33	6	5	-	-	4-6	4-6	1800	1	*	44	32	27	Tr	-	0·0
Point of Ayre	19·6	+4	SE	4	z0	43	92	41	6	-	-	4	0	4-6	-	0	3	50	42	*	-	-	7·4
Tiree	19·4	+6	ESE	6	b	43	92	41	8	-	4	9	0	1	-	0	4	48	42	40	-	-	1·1
Stornoway	21·3	+6	ESE	4	z0	42	92	40	8	-	-	-	0	0	-	0	3	47	41	37	-	-	3·1
Dalwhinnie	21·5	+2	SE	2	c	37	75	31	6	5	-	-	9+	9+	2500	0	*	40	37	34	-	-	0·0
Aberdeen †	24·5	+12	SE'E	2	z0	43	92	41	6	5	2	-	4-6	10	2000	0	4	43	42	39	Tr	Tr	0·0
Wick	24·6	+8	SE'E	3	c	43	92	41	7	5	-	-	10	10	1800	1	*	44	41	40	0·3	Tr	*
Sumburgh	28·2	+6	SE'S	4	bc	43	75	35	8	5	-	-	4-6	4-6	2500	0	3	44	42	36	Tr	-	0·0
Blacksod Point	12·5	0	SE	5	c	45	85	41	8	5	-	-	10	10	2500	0	4	50	44	*	0·1	Tr	*
Malin Head	17·0	+2	SE'E	4	b	42	85	38	5	-	-	2	0	1	-	1	3	50	41	.	-	-	
Aldergrove	18·9	+8	SE'E	3	bc	42	85	37	5	-	7	1	0	4-6	-	1	*	49	36	29	-	-	5·0
Birr Castle	14·2	0	SE	4	c	43	75	36	8	5	-	-	9	9	2500	1	*	52	41	39	-	-	
Valentia Obsy.	09·6	+2	ESE	5	z0	50	75	43	6	5	-	3	7-8	9+	2500	1	4	54	49	45	0·1	-	
Roches Point	12·6	-4	SE'S	6	z0	48	97	47	6	5	-	-	9	9	1500	1	5	51	47	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 20th March $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st March $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	5-	21658	10568	5-	22658	12568				5-	02658	11528
115	57	02844	45627	51	25744	45687	51	02744	12327	5-	02735	12428
203										00	00890	10300
206	5-	02647	08328	5-	05645	10468	57	05544	10425	57	01763	10324
210	5-	05648	10328	5-	51638	03328	5-	05634	09228	51	05644	1027
219	5-	05864	11428	5-	05767	44427	50	05764	13425	53	05773	13326
230	5-	05758	10268	5-	05758	08128	5-	05657	00027	50	05651	08321
245	5-	05648	08368	5-	05648	09458	5-	05547	09257	5-	05558	09328
260	5-	08445	04228	5-	21448	06258	5-	08447	04227	50	08452	00042
278	87	02755	10226	50	17651	13222	00	17690	09300	03	05590	09204
279	83	05656	06326	00	05690	06310	5-	05558	06368	04	08490	07323
285	5-	05628	04358	5-	05628	06328						
288	52	05545	01228	5-	05548	03228	07	08490	00011	5-	47258	00048
575	57	05753	12225	57	05554	14128	51	05654	12127	53	05554	14215
301	5-	05654	08224	53	05564	06214	50	45365	10145	03	08490	09345
321	5-	05648	32228				00	08490	08120	--	46009	00049
[illegible]	5-	05558	32228	5-	05548	10228	03	05690	00013	5-	05657	32327
292	5-	05666	32326	5-	05558	04128	00	08490	07160	--	46109	00049
310												
614	57	05556	02127	52	05557	02128	00	08490	03100	--	46009	00049

III	13h. G.M.T. 20th March $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st March $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	50	05663	14304	50	05662	00003	00	08490	00100	04	05690	04213
334	--	01762	28113									
340	7-	05654	28114	03	05690	12212	00	47390	06140	03	08490	00043
136	10	05654	16214	50	05563	05213	--	48109	04249	5-	08428	02348
336	13	01763	12314									
350	5-	05644	27227	50	05654	06124	00	08490	00000			
368	10	08453	08314	00	08490	10214	00	08490	12101	00	08490	10201
379	5-	05648	32128	5-	05557	04227	05	05590	06101	03	05590	01114
390	5-	08468	26128	5-	05568	32128	00	47390	06140	--	46009	30149
382	5-	05656	26127	53	05666	06127	00	04490	06200	00	47190	00040
438	5-	05658	26328	8-	05656	24226						
430	5-	05648	24128	00	05690	18110	00	08490	02100	00	08490	04104
409	20	05653	13514	04	05690	13426	00	05690	45521	00	05690	11600

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 21st March, 1943.
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	cm0z0	cz0	cbcm0
Croydon	cmc2cz0	cz0cz	cfbfm0f
Greenwich	cm	cm	cmbnffe
Camden Square	c	o	*
Kensington	obc	obc	*
Hampstead	o	obc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h: Max. 0·7, Time 22h 20th; Min. <0·1, Time 14-15h 20th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	47	29	17	-	Tr	0·1	*	*
Croydon	47	31	27	-	Tr	0·2	*	*
Greenwich	46	28	17	-	-	0·0	63	90
Westminster	47	36	28	—	—		64	89
Regents Park								
Camden Square	46	34	27	-	-	*	*	92
Kensington	47	33	25	-	Tr		74	88
Hampstead	45	33	28	-	-		*	96

BRITISH SECTION

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

SECRET

Monday 22nd March, 1943.

No. 2970S

OBSERVATIONS at 13h. G.M.T. 21st March

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	−6	NE	2	m	45	75	38	4	5	–	–	4-6	4-6	2500
	Croydon ...	21·0	−4	NE'E	1	cf+	46	85	40	2	5	–	–	9	10	900
	S. Farnborough	19·7	−10	ENE	2	z_0	51	55	35	5	–	–	4	0	1	–
	Boscombe Down	20·0	−6	E'S	3	z_0	51	56	35	6	–	–	–	0	0	–
	Thorney Island	19·3	−4	ENE	1	z_0	52	55	34	6	–	–	–	0	0	–
	Lympne ...	19·8	−2	N'W	2	z_0	45	85	40	6	5	–	–	10	10	600
	Manston ...	20·0	+2	N'W	2	z_0	44	85	40	5	5	–	–	10	10	800
2	Shoeburyness ...	20·3	+2	–	0	z_0	42	92	40	5	5	–	–	10	10	800
	Felixstowe ...	20·2	+2	NE	3	z_0	45	88	40	5	5	–	–	10	10	1600
	Gorleston ...	20·6	0	ENE	2	z_0	44	86	39	6	5	–	–	10	10	1000
	Mildenhall ...	19·6	−10	–	0	z_0	53	65	43	6	1	–	–	7-8	9	2500
	Cranwell ...	20·4	−8	NNE	2	z_0	50	65	41	6	1	–	–	1	1	2500
3	Birmingham ...	20·6	−4	ENE	2	m	48	85	39	4	–	–	–	0	0	–
	Upper Heyford	20·6	−2	E	1	z_0	40	92	38	5	5	–	–	10	10	600
4	Ross-on-Wye	19·6	−6	E'N	2	z_0	51	86	35	6	–	–	1	0	1	–
5	Hartland Point	15·5	−6	ESE	4	z_0	53	65	39	6	–	4	–	0	4-6	–
	Bristol ...	19·8	−10	ESE	3	z_0	53	56	35	6	–	–	–	0	0	–
	Portland Bill ...	19·3	0	E	4	c-bc	46	92	44	7	5	–	–	7-8	7-8	2500
	Plymouth ...	17·7	−2	ESE	4	z_0	53	65	43	6	–	–	–	0	0	–
	The Lizard ...	15·7	+4	ESE	6	z_0	52	86	46	6	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	15·2	+14	E'S	4	c	52	85	48	6	5	7	–	4-6	9+	1500
	Guernsey ...															
6	Pembroke ...	17·8	0	ESE	6	z_0	48	85	44	6	5	–	–	9+	9+	3000
7	Holyhead (Valley)	18·6	−2	–	0	z_0	56	35	29	6	–	–	2	0	4-6	–
	Chester (Sealand)	20·2	−2	SE	2	b	52	92	50	6	–	–	–	0	0	–
8	Manchester ...	20·0	−10	ESE	2	z_0	53	55	38	6	1	–	–	4-6	4-6	2500
10	Spurn Head ...	21·4	0	E	3	z_0	47	85	41	6	1	3	–	2-3	4-6	2500
	Catterick (Sc) ...	21·7	−8	NE	2	z_0	51	75	42	5	5	–	–	4-6	4-6	2000
	Tynemouth ...	23·4	−4	ENE	3	z_0	47	86	42	6	8	–	–	7-8	7-8	2000
11	St. Abbs Head	23·1	0	ESE	3	c	44	86	40	6	5	2	–	4-6	9+	2000
	Leuchars ...	23·3	−8	E	3	z_0	46	85	42	6	8	–	–	9+	9+	1000
12	Renfrew (Abbots I.)	21·5	−10	E	3	z_0	48	75	42	5	5	–	–	2-3	9	2500
	Eskdalemuir ...	21·6	−4	E	3	c-bc	47	75	38	6	5	–	–	7-8	7-8	2200
	Point of Ayre ...	20·3	0	SE'S	4	z_0	50	65	37	6	–	–	2	0	7-8	–
13A	Tiree	20·4	0	SE	4	z_0	47	85	44	6	–	–	2	0	4-6	–
13B	Stornoway ...	21·7	+2	ESE	3	z_0	48	65	32	6	1	–	2	Tr	1	4500
15	Dalwhinnie ...	22·8	−2	S	2	0	40	92	38	6	5	–	–	10	10	1500
	Aberdeen ...	25·3	0	SE	3	z_0	44	85	40	6	5	–	–	9+	9+	2000
	Wick ...	26·6	+2	SE	3	c	44	75	38	7	5	–	–	4-6	9+	1200
16	Sumburgh ...	29·0	+2	SE	5	c	45	75	37	8	5	–	–	9	9	2000
17	Blacksod Point	13·2	+2	SE'E	4	r	47	85	43	7	6	2	–	4-6	10	1500
18	Malin Head ...	17·0	−4	ESE	5	b-bc	50	65	39	6	–	–	1	0	2-3	–
	Aldergrove ...	18·8	+2	SE'E	4	z_0	49	65	36	6	5	–	2	Tr	4-6	2500
19	Birr Castle ...	15·6	+8	SE	2	ir	46	85	42	7	5	–	–	10	10	1500
20	Valentia Obsy.	10·6	+6	SE'S	5	ir_0	55	85	51	6	5	7	–	9	10	1500
	Roches Point	14·7	+6	ESE	5	z_0	49	97	49	6	6	2	–	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 21st March

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)	20·3	+8	ENE	1	m	43	85	38	4	5	–	–	9	9	2500	1	*
	Croydon ...	20·8	+6	ENE	2	m/f	43	85	40	4	5	–	–	10	10	800	0	*
	S. Farnborough	20·2	+12	ENE	3	m	43	85	39	4	–	–	1	0	1	–	0	*
	Boscombe Down	20·0	+10	NE'E	2	z_0	49	65	37	6	–	–	4	0	2-3	–	0	*
	Thorney Island	19·3	+4	–	0	z_0	47	75	41	6	–	–	1	0	Tr	–	0	*
	Lympne ...	20·2	+6	ENE	3	z_0	44	85	39	6	5	–	–	10	10	800	0	§2
	Manston ...	20·1	+2	NE'E	1	z_0	44	85	39	5	5	–	–	10	10	800	0	*
2	Shoeburyness ...	20·6	+6	NW	3	z_0	44	85	38	5	5	–	–	10	10	1500	0	*
	Felixstowe ...	20·6	+6	NE'N	3	z_0	43	85	39	5	5	2	–	9+	10	1600	0	1
	Gorleston ...	21·4	+4	ENE	2	z_0	44	85	39	6	–	–	–	0	0	–	0	3
	Mildenhall ...	20·3	+10	ESE	3	z_0	47	75	40	6	–	4	–	0	Tr	–	0	*
	Cranwell ...	21·0	+14	E	3	z_0	44	85	39	6	–	3	–	0	1	–	0	*
3	Birmingham ...	20·5	+2	–	0	cf+	43	85	39	3	–	7	–	0	9+	–	0	*
	Upper Heyford	20·6	+8	–	0	m	40	97	39	4	–	–	6	0	7-8	–	0	*
4	Ross-on-Wye	19·7	+4	NE	3	z_0	47	97	46	5	–	–	6	0	7-8	–	0	*
5	Hartland Point	16·5	+6	E	3	c	51	75	43	6	–	7	–	0	9+	–	0	3
	Bristol ...	19·8	+8	E'S	2	z_0	48	65	36	6	–	–	2	0	9	–	0	*
	Portland Bill ...	18·7	−4	E	4	c-bc	46	92	40	7	5	4	–	4-6	7-8	2500	1	4
	Plymouth ...	18·1	+4	ESE	4	z_0	48	85	43	6	–	3	2	0	9+	–	0	2
	The Lizard ...	18·7	−4	E	5	z_0	49	85	45	6	5	2	–	7-8	9+	2000	0	4
	Scilly (St. Mary's)	15·0	+2	E'S	5	c	50	85	46	6	5	7	2	2-3	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	17·7	0	SE'E	5	z_0	50	75	43	6	5	–	–	7-8	7-8	2500	0	3
7	Holyhead (Valley)	18·8	+6	–	0	z_0	51	75	43	5	–	7	7	0	10	–	0	1
	Chester (Sealand)	20·3	+8	SSE	1	c	48	75	40	6	–	3	6	0	9+	–	0	*
8	Manchester ...	19·9	+4	E'S	2	z_0	51	65	40	5	–	5	–	0	9+	–	0	*
10	Spurn Head ...	21·9	+4	E'S	4	b	44	85	39	7	–	–	–	0	0	–	0	3
	Catterick (Sc) ...	22·1	+10	E	1	z_0	47	85	42	5	5	3	–	4-6	7-8	2500	0	*
	Tynemouth ...	23·5	+6	ESE	3	z_0	44	92	40	6	5	–	–	4-6	4-6	2200	0	3
11	St. Abbs Head	23·3	+4	ESE	3	c	43	85	40	6	5	–	–	10	10	1000	0	4
	Leuchars ...	23·9	+6	E	3	z_0	44	92	41	6	5	–	–	9+	9+	900	1	*
12	Renfrew (Abbots I.)	21·0	+6	ENE	4	z_0	47	75	41	6	5	–	–	7-8	9	2500	1	*
	Eskdalemuir ...	21·5	+2	ENE	3	b-bc	43	79	37	6	–	1	1	0	2-3	–	0	*
	Point of Ayre ...	19·7	−2	ESE	2	z_0	46	85	42	6	–	–	6	0	9	–	0	2
13A	Tiree	19·4	−4	SE'E	4	z_0	48	92	45	6	–	–	2	0	9	–	0	4
13B	Stornoway ...	21·4	+2	ESE	3	z_0	47	97	45	6	–	–	2	0	4-6	–	0	2
15	Dalwhinnie ...	22·0	−2	SSE	3	bc	40	85	36	6	5	–	–	4-6	4-6	1500	0	*
	Aberdeen ...	25·6	+6	SE'S	3	z_0	44	85	40	6	5	–	2	7-8	9	2000	1	3
	Wick ...	28·3	+2	SSE	5	c-bc	43	85	40	7	5	–	–	7-8	7-8	1500	0	*
16	Sumburgh ...	28·8	0	SE	4	bc	43	85	39	7	5	–	–	4-6	4-6	1200	0	3
17	Blacksod Point	12·3	−6	SE'E	5	r_0r_0	48	85	44	7	6	2	–	4-6	10	1500	1	4
18	Malin Head ...	16·8	−2	SSE	3	c	48	65	36	6	–	–	6	0	10	–	0	3
	Aldergrove ...	18·7	+2	SE	3	z_0	46	65	35	5	–	7	6	0	10	–	1	*
19	Birr Castle ...	14·6	+2	SSE	3	c	49	75	41	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	10·1	−2	ESE	6	c"	54	75	46	8	1	7	1	Tr	9+	2500	1	4
	Roches Point	14·6	+2	ESE	5	ir	49	97	49	6	6	2	–	4-6	9+	1500	1	5

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 21st (39)	Weather 13h.—18h. 21st (40)	Weather 18h.—1h. 21st/22nd (41)	Weather 1h.—7h. 22nd (42)
1	London (Kew)	bbcfm	bccm	cm	cmcf
	Croydon ...	cff	cf bfcf	cm,cm	cmoF
	S. Farnborough	cfx bfmz$_0$y	bz$_0$yz	bzofcm	cfm
	Boscombe Down	bm$_0$x bz$_0$	bz$_0$y bz$_0$	bz$_0$ofcf	cfcm
	Thorney Island	bcmm$_0$y	bcz$_0$y bz$_0$	bm$_0$fcm	cm$_0$
	Lympne ...	cfwm$_0$m$_0$	m$_0$cbccm$_0$	cbm$_0$ffw	boffw
	Manston ...	om	om$_0$	bcfofbF	oFofc
2	Shoeburyness ...	z$_0$d	cm$_0$	bffc	Ff
	Felixstowe ...	omcm$_0$	cm$_0$	cbcbwm$_0$	bm$_0$bmfwx
	Gorleston ...	bccz$_0$	bz$_0$	bz$_0$w	bffw
	Mildenhall ...	oFcz$_0$	cz$_0$bz$_0$	bm$_0$mFx	bfx oFx
	Cranwell ...	ofbcz$_0$	bcbbm$_0$	bm$_0$bfoF	Fe bFx
3	Birmingham ...	fbm	b, bm	cff	cfF
	Upper Heyford	Fcm$_0$	om$_0$cm$_0$	bcbmcf	cfoF
4	Ross-on-Wye	bfmz	byz	czbm$_0$	bcm$_0$cm$_0$
5	Hartland Point	bcbz$_0$bc	bcz$_0$c	cbc	bccz$_0$
	Bristol ...	bz$_0$	bz$_0$y bcz$_0$	bcmb,fw	ofecf
	Portland Bill ...	c	c	bco.	o
	Plymouth ...	bz$_0$	bz$_0$cm$_0$	bcz$_0$cm$_0$	cm$_0$
	The Lizard ...	bcz$_0$	bccm$_0$	cz$_0$bc	bccoz
	Scilly (St. Mary's)	bcc	c	cbcbw	bcb
	Guernsey ...				
6	Pembroke ...	bccm$_0$	cm$_0$	cm$_0$	cm$_0$
7	Holyhead (Valley)	bbcz$_0$	bccz$_0$y	cmcfg	cfgcm
	Chester (Sealand)	bcf bz$_0$y	bcz$_0$ym$_0$	cm$_0$bm	bmm$_0$
8	Manchester ...	ffmfbz	bccz$_0$y	czmm$_0$	cm$_0$x
10	Spurn Head ...	bcm$_0$	b	c	bc
	Catterick (Sc) ...	cm$_0$	bczm$_0$	bm$_0$bfx	oFf
	Tynemouth ...	cmbcm$_0$	cbcm$_0$	bcm$_0$	bc
11	St. Abbs Head	c	cm$_0$	cm$_0$c	c
	Leuchars ...	cm$_0$	cm$_0$	cm$_0$	bccm$_0$
12	Renfrew (Abbots I.)	bcm$_0$bcz$_0$cz$_0$	bcm$_0$cz$_0$	bm$_0$w	bm$_0$bcm$_0$cm$_0$
	Eskdalemuir ...	bcz$_0$	bcz$_0$	bccm$_0$cb	cbcxm$_0$
	Point of Ayre ...	bccz$_0$	cz$_0$	b	bbcb
13A	Tiree	bbc	bccz$_0$	cbbcc	c
13B	Stornoway ...	bm$_0$	bm$_0$cbc	cm$_0$	bcm$_0$cm$_0$
15	Dalwhinnie ...	cid$_0$o	obc	*	bcb
	Aberdeen ...	cz$_0$	cz$_0$	cz$_0$	cbcz$_0$w
	Wick ...	cm$_0$c	c	cbcc	c
16	Sumburgh ...	bcc	cbc	bcbbc	bcb
17	Blacksod Point	r	r	r	c
18	Malin Head ...	b	bc	r	r
	Aldergrove ...	bcmbcz$_0$	bm$_0$zcz$_0$	cir$_0$cmcz$_0$	cmir$_0$m$_0$
19	Birr Castle ...	r	r	*	r
20	Valentia Obsy.	r	r	c	bc
	Roches Point	r	r	r	f

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd March 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light northeast or east winds; some cloudy areas at first, becoming fine generally this afternoon, fog developing extensively tonight, dispersing tomorrow morning; rather warm this afternoon, but rather cold at night with local ground frost.
5 S.W. England 6 South Wales	Moderate or fresh easterly winds; fair; rather cold.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	As 0-4.
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	Moderate southeast winds; fair; rather cold.
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; slight local rain at first; rather cold.

GENERAL INFERENCE

Pressure is high to the northeast and low to the southwest of the British Isles. There will be slight local rain in Ireland at first. Elsewhere it will be dry with long bright periods in many districts, but extensive fog will develop over England tonight. It will be rather warm in many parts of England this afternoon, but otherwise it will be rather cold.

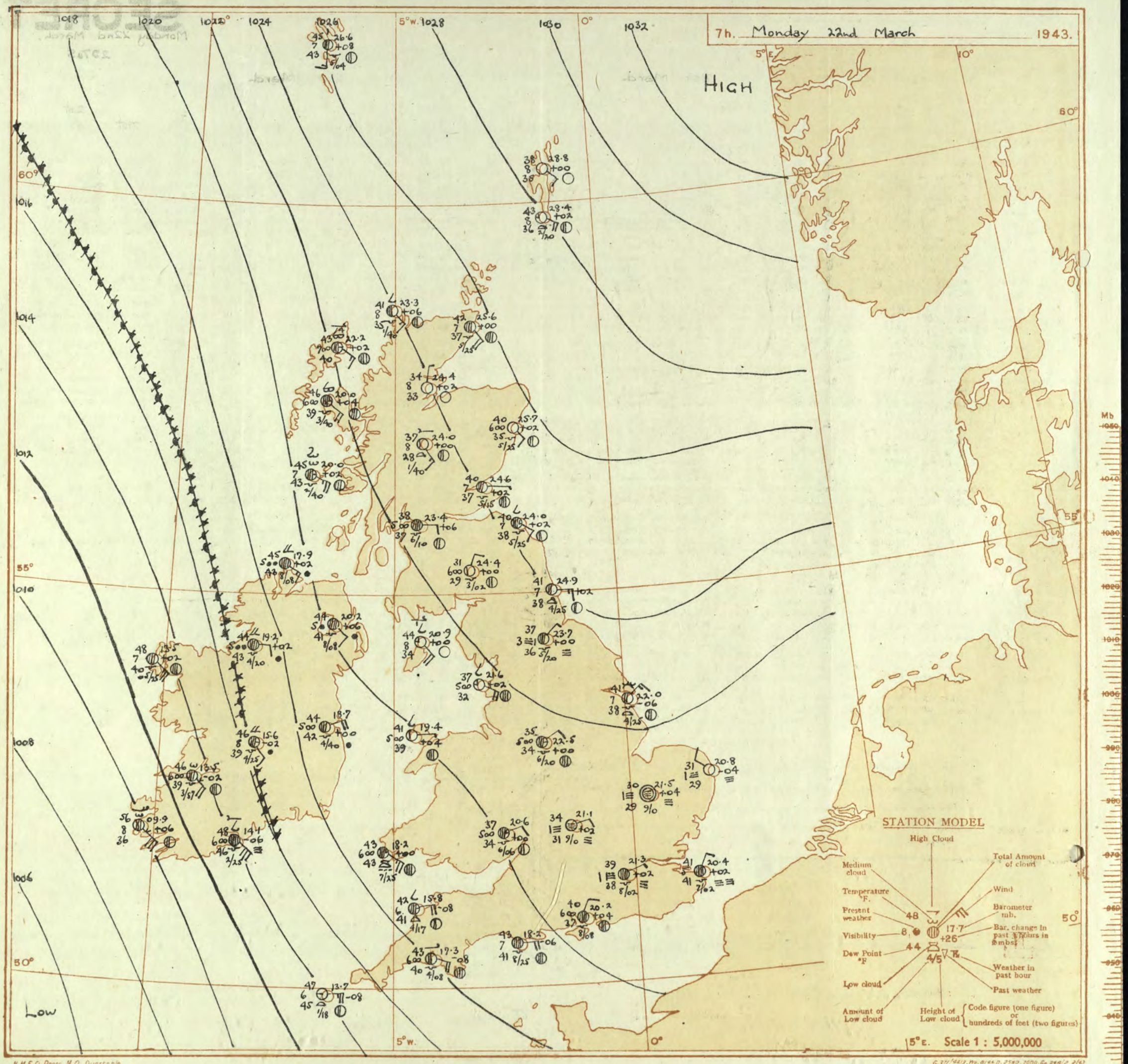
FURTHER OUTLOOK

Little change

Forecasts issued at 1030

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

7h. Monday 22nd March 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (L) 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 22nd March, 1943

No. 29705.

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

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	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon	290	21·8	+2	E'S	2	m	41	92	39	4	5	–	–	10	10	600
	S. Farnborough	226	20·9	-2	E	2	m	41	85	38	4	5	7	–	9+	10	1000
	Boscombe Down	417	20·9	-2	E'N	2	of	40	92	38	3	5	–	–	10	10	500
	Thorney Island	10	20·2	-4	NE	2	zo	41	85	38	5	5	–	–	10	10	800
	Lympne	283	20·9	0	N'E	2	bf	37	97	37	3	–	–	–	0	0	–
	Manston	154	20·7	-4	–	0	F+	36	97	36	1	–	–	–	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21·0	-2	N'E	3	zo	38	97	37	6	–	–	–	0	0	–
	Gorleston	5	21·8	0	NW'N	1	zo	37	85	33	6	–	–	–	0	0	–
	Mildenhall	15	21·6	-2	NE	2	bF+	29	97	28	1	–	–	–	0	0	–
	Cranwell	203	22·3	+4	NE	3	F+	35	97	35	1	–	–	–	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·3	+2	E'N	2	cf	39	97	38	3	5	–	–	9	9+	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·1	+4	E	4	bc	45	75	37	6	–	–	5	0	4-6	–
	Bristol	209	21·3	+2	ENE	2	of+	38	97	38	2	5	–	–	10	10	300
	Portland Bill	32	19·1	-2	E	4	o	44	92	42	7	5	–	–	10	10	2500
	Plymouth	82	18·5	-2	ESE	4	zo	45	85	40	6	–	–	2	0	7-8	–
	The Lizard	240	17·5	0	E	4	b-bc	47	85	43	7	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	15·2	-6	E	5	b	49	92	46	6	–	–	–	0	0	–
	Guernsey	175															
6	Pembroke	142	19·0	+6	ESE	5	zo	47	97	46	6	2	6	–	4-6	9+	2500
7	Holyhead (Valley)	32	19·5	-2	–	0	fg	45	75	38	6	–	4	–	0	4-6	–
	Chester (Sealand)	16	21·4	+6	–	0	m	38	85	35	4	–	–	–	0	0	–
8	Manchester	235	22·3	+4	ENE	3	zo	39	85	36	5	–	3	–	0	2-3	–
10	Spurn Head	29	23·4	+2	NE'E	3	c	41	85	37	7	7	–	–	9+	9+	2500
	Catterick (Sc.)	192	24·0	+2	–	0	bF+	30	97	30	1	–	–	–	0	0	–
	Tynemouth	108	24·9	-2	ESE	4	bc	42	85	38	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	23·9	-8	SE	3	c	41	85	38	7	5	–	–	9	9	2500
	Leuchars	36	24·8	-4	ESE	2	zo	42	92	39	6	5	–	–	9+	9+	1300
12	Renfrew (Abbots I.)	19	23·2	+2	E'S	2	zo	40	92	38	5	–	–	–	0	0	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·7	+4	SE'S	5	b	45	85	40	7	–	–	8	0	1	–
13A	Tiree	44	20·2	0	SE	5	c	45	97	43	8	–	3	–	0	9+	–
13B	Stornoway	15	22·3	+6	SSE	3	zo	44	85	41	6	–	–	8	0	4-6	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	26·2	-2	SSE	2	zo	41	92	39	6	5	–	–	9	9	1000
	Wick	114	26·3	-2	SE	4	c-bc	42	85	37	7	8	–	–	7-8	7-8	2500
16	Sumburgh	19	29·4	0	SE	4	bc	42	75	36	8	1	–	–	4-6	4-6	1500
17	Blacksod Point	18	13·5	+2	S'E	5	c	48	85	44	7	5	–	–	10	10	1500
18	Malin Head	84	18·0	+6	SSE	4	rr	44	85	40	5	–	2	–	10	10	1500
	Aldergrove	268	19·9	+2	SE'E	2	zo	46	75	39	5	5	–	–	10	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·8	-4	SE	5	c	55	55	40	8	5	–	–	9	9	4000
	Roches Point	22	15·1	-4	ESE	5	zo	49	92	47	6	5	–	–	4-6	4-6	1500

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

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)	20·7	+4	NNE	2	of	38	97	37	3	5	–	–	10	10	2500	1	*
Croydon	21·3	+2	ENE	1	oF+	39	97	38	1	5	–	–	10	10	200	0	*
S. Farnborough	20·7	+2	E'N	2	m	39	85	35	4	5	–	–	10	10	600	0	*
Boscombe Down	20·4	+2	E'N	3	m	39	92	37	4	5	–	–	10	10	800	0	*
Thorney Island	20·2	+4	NE	2	zo	40	85	37	6	5	–	–	10	10	800	0	*
Lympne	20·4	+4	NNE	2	zo	39	97	38	5	5	–	–	9+	9+	700	0	§ 2
Manston	20·4	+2	NE	2	c/f	41	97	41	5	5	–	–	9+	10	200	0	*
Shoeburyness	20·9	-2	N	2	f	33	97	32	2	–	–	–	10	10	<150	0	*
Felixstowe	20·9	+4	WNW	1	F+	33	92	31	1	–	–	–	10	10	<150	0	1
Gorleston	20·8	-4	NW'N	2	bF	31	97	29	1	–	–	–	0	0	–	0	2
Mildenhall	21·5	+4	–	0	F	30	97	29	1	–	–	–	10	10	<150	0	*
Cranwell	22·2	+2	N'W	3	bf	32	97	32	3	–	–	–	0	0	–	0	*
Birmingham	22·2	+2	ENE	3	F+	33	97	33	1	–	–	–	10	10	<150	0	*
Upper Heyford	21·1	+2	E'N	2	F	34	97	34	1	–	–	–	10	10	<150	0	*
Ross-on-Wye	20·6	0	E'N	2	zo	37	85	34	5	5	–	–	9	9+	600	0	*
Hartland Point	16·2	-8	E	4	c	42	97	41	6	2	4	–	4-6	9	1700	0	3
Bristol	20·6	+2	ESE	2	m	40	85	37	4	9	–	–	10	10	800	0	*
Portland Bill	18·2	-6	E	4	o	43	92	41	7	5	–	–	10	10	2500	1	3
Plymouth	17·3	-8	E'S	4	zo	43	85	40	6	5	–	1	4-6	4-6	800	0	2
The Lizard	15·3	-6	E	5	zo	46	92	44	6	5	–	–	10	10	1500	0	4
Scilly (St. Mary's)	13·7	-8	E	5	b	47	92	45	6	1	–	–	Tr	Tr	1800	0	4
Guernsey																	
Pembroke	18·2	0	ESE	5	zo	43	97	43	6	9	–	–	9+	9+	2500	0	3
Holyhead (Valley)	19·4	+4	E	1	zo	41	92	39	5	–	4	–	0	2-3	–	0	1
Chester (Sealand)	21·8	+6	SE	1	c-bc	38	92	36	5	6	–	–	7-8	7-8	2500	0	*
Manchester	21·9	+2	NE	2	m	32	92	30	4	–	–	–	0	0	–	0	*
Spurn Head	22·0	-6	NE	3	bc	41	85	38	7	7	6	–	4-6	4-6	2500	0	3
Catterick (Sc.)	23·7	0	NE	1	c-bcf-	37	97	36	3	5	–	–	7-8	7-8	2000	0	*
Tynemouth	24·9	+2	E	3	bc	41	85	38	7	2	–	–	4-6	4-6	2500	0	3
St. Abbs Head	24·0	+2	ESE	2	c	40	92	38	7	5	4	–	7-8	9+	2500	0	3
Leuchars	24·6	+2	E	1	c-bc	40	85	37	7	9	–	–	7-8	7-8	1500	1	*
Renfrew (Abbots I.)	23·4	+6	E	2	zo	38	92	37	5	5	–	–	9	10	1000	0	*
Eskdalemuir	24·4	0	NE'N	2	zo	31	97	29	6	5	–	–	2-3	2-3	200	3	*
Point of Ayre	20·9	0	SE	4	b	44	63	34	8	–	4	8	0	1	–	0	3
Tiree	20·0	+2	SE'E	5	c	45	97	43	7	5	3	9	1	9	4000	0	4
Stornoway	22·2	+2	ESE	3	zo	43	92	40	7	–	7	8	0	9	–	0	3
Dalwhinnie	24·0	0	SSE	3	b-bc	37	65	28	8	1	–	5	Tr	2-3	4000	0	*
Aberdeen †	25·7	+2	E	1	c-bc	40	85	37	7	5	–	–	7-8	7-8	1500	1	2
Wick	25·6	0	SE	4	c-bc	42	85	37	7	5	–	–	7-8	7-8	2500	0	*
Sumburgh	28·4	+2	ESE	4	b	43	75	36	8	1	–	–	1	1	2000	0	3
Blacksod Point	13·5	+2	SE	5	c-bc	48	75	40	7	5	–	–	7-8	7-8	2500	1	4
Malin Head	17·9	+2	SE'E	3	roro	45	92	43	5	–	2	–	10	10	800	1	4
Aldergrove	20·2	+6	SE	2	iro	44	85	41	5	5	–	–	10	10	800	1	*
Birr Castle	15·6	-2	SSE	2	c	46	75	39	8	5	3	–	4-6	9	2500	1	*
Valentia Obsy.	09·9	+6	SE	6	c-bc	56	45	36	8	–	3	2	0	7-8	–	1	5
Roches Point	14·1	-6	ESE	6	zo	48	92	46	6	5	4	5	1	10	2500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 21st Hrs. (38)
London (Kew)	46	38	26	–	–	1·2
Croydon	47	30	27	–	–	0·8
S. Farnborough	52	38	36	–	–	6·3
Boscombe Down	53	38	38	–	–	9·3
Thorney Island	54	39	34	–	–	*
Lympne	48	36	31	–	–	1·7
Manston	45	34	31	–	–	0·0
Shoeburyness	45	30	27	Tr	Tr	0·0
Felixstowe	46	31	30	–	Tr	0·[illegible]
Gorleston	46	30	29	–	–	4·7
Mildenhall	57	27	24	–	Tr	5·7
Cranwell	55	32	28	–	0·1	5·2
Birmingham	45	33	30	–	–	4·4
Upper Heyford	43	34	29	–	–	*
Ross-on-Wye	52	37	34	–	–	8·3
Hartland Point	53	41	40	–	–	4·9
Bristol	55	34	29	–	–	8·4
Portland Bill	48	40	*	–	–	*
Plymouth	53	42	39	–	–	8·6
The Lizard	53	45	*	–	–	7·3
Scilly (St. Mary's)	53	47	*	–	–	1·4
Guernsey						
Pembroke	50	41	*	–	–	3·3
Holyhead (Valley)	57	41	40	–	–	*
Chester (Sealand)	55	36	26	–	–	7·3
Manchester	55	31	22	–	–	*
Spurn Head	47	39	*	–	–	8·0
Catterick (Sc.)	51	28	23	–	–	3·9
Tynemouth	47	41	37	–	–	*
St. Abbs Head	45	38	*	0·1	–	*
Leuchars	46	39	34	Tr	–	0·5
Renfrew (Abbots I.)	49	37	35	–	–	2·6
Eskdalemuir	50	30	23	–	–	6·4
Point of Ayre	51	43	*	–	–	7·1
Tiree	49	44	42	–	–	5·1
Stornoway	50	41	35	–	–	7·0
Dalwhinnie	43	34	28	Tr	–	0·2
Aberdeen †	45	39	34	–	–	0·5
Wick	44	40	38	–	–	*
Sumburgh	46	41	35	–	–	0·7
Blacksod Point	48	46	*	1	Tr	*
Malin Head	51	44		–	5	5·2
Aldergrove	51	43	38	–	1	4·8
Birr Castle	50	45	43	0·6	2	1·8
Valentia Obsy.	57	53	48	1	–	8·1
Roches Point	50	48	*	3	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 22nd March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02757	12427	5-	02656	12426	5-	01754	12424	58	01853	12413
115	52	02745	45428	5-	02754	12426	54	14864	79624	54	01861	12314
203							00	00890	12300			
206	50	05643	44513	00	01790	08303	00	00790	08400	00	00890	32100
210	5-	05656	10426	50	01753	12314	00	00790	12517	50	01661	09301
219	00	05690	12514	00	05690	10215	00	05690	12410	57	05663	13427
230	00	05690	09100	--	05690	09226	00	00690	08310	53	05763	08227
245	5-	02648	09368	5-	05648	10328	5-	02746	10226	5-	02745	32125
260	5-	08438	04228	50	05563	04223	50	05551	09211	50	47251	
278				07	17690	13308	53	05664	10324	57	02844	10316
279	00	05690	06400				03	08490	06415	04	05690	06411
285										--	48109	32149
288	00	17690	05414	05	01790	08300	00	08490	00010	5-	43255	00043
575	00	05590	12216	57	61565	10167	51	62546	06168	52	62554	08268
301	00	05590	10310	03	17490	11127	03	05590	08423	04	05590	09422
321	5-	05644	06144	00	05690	07213	--	48009	00049	5-	08447	30247
[illegible]	00	05690	06200	00	05690	10200	04	01790	10201	80	02745	30315
292	10	05652	06142	04	05690	08202	00	05590	30100	--	44109	32349
310										--	46109	04449
614				03	05690	06216	00	47190	04210	5-	41648	02348

III	13h. G.M.T. 21st March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 22nd March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	04	05690	12314	54	05663	00028	07	05590	06126	04	05590	06322
334										--	05552	06103
340	00	05590	10200	03	08490	10316	03	08490	10313	5-	05558	10348
136	10	05651	06211	04	05690	08301	00	04590	04200	5-	05637	02247
336										--	46309	12349
350	5-	41428	02148	03	05590	22116	5-	45337	08247	--	44109	02249
368	00	08490	10400	53	05553	06315				5-	08438	10328
379	00	05590	06602	40	47328	04315	5-	45348	08148	--	48109	07349
390	5-	08438	32248	07	08490	12125	00	47390	04120	--	46009	00049
382	07	05590	04243	57	05542	09114	5-	45348	03248	5-	47328	07148
438	00	05590	06210	52	05556	06218	5-	08447	04317	5-	04537	04347
430	00	05690	06204	53	05665	12117	5-	05548	08128	5-	08448	02228
409	54	05664	45614	09	05690	45526	09	05690	45625	50	05541	44613

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd March
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	bbcfm	becm	cmcf
Croydon	cff	cfbfcfcm	mocmof
Greenwich	ff	cmc	cf
Camden Square	o	o	*
Kensington	om	o	*
Hampstead	bc	om	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended ... Max. 1·2 Time 8-9h 21st; Min. <0·1 Time 1-4h 22nd

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	46	38	26	–	–	1·2	*	*
Croydon	47	30	27	–	–	0·8	*	*
Greenwich	44	35	35	–	–	0·0	84	96
Westminster	45	36	35	–	–		83	93
Regents Park	44	35	35	–	–		84	90
Camden Square	44	35	36	–	–	*	*	94
Kensington	44	35	34	–	–		85	92
Hampstead	43	33	30	–	–		*	98

SECRET

Page 1 BRITISH SECTION

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

Tuesday 23rd March 1943.

No. 29706

OBSERVATIONS at 13h. G.M.T. 22nd March

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·5	-16	NE	3	z_0	50	45	30	5	-	-	-	10	0	-
	Croydon	19·5	-14	E	2	z_0	49	65	36	5	-	-	-	0	0	-
	S. Farnborough	17·9	-20	NE'E	3	m	52	45	31	4	-	-	-	0	0	-
	Boscombe Down	18·0	-22	E	3	z_0	53	55	35	6	-	-	-	0	0	-
	Thorney Island	18·1	-14	ESE	2	z_0	51	65	37	6	-	-	-	0	0	-
	Lympne	18·6	-12	NE	3	z_0	46	85	42	5	1	-	-	2-3	2-3	2000
	Manston	18·9	-14	NE'N	3	z_0	46	85	40	6	5	-	-	7-8	7-8	1000
2	Shoeburyness	19·8	-6	NNE	1	z_0	42	92	39	5	5	-	-	10	10	800
	Felixstowe	19·3	-8	E'N	3	b	49	85	44	7	-	-	-	0	0	-
	Gorleston	19·7	-6	NNE	2	z_0	45	65	37	6	-	-	-	0	0	-
	Mildenhall	19·0	-18	NNW	2	z_0	51	65	40	6	1	-	-	2-3	2-3	2500
	Cranwell	19·4	-18	N'W	2	z_0	51	65	37	6	1	-	-	4-6	4-6	2500
3	Birmingham	19·5	-10	E	2	z_0	48	55	33	6	-	-	-	0	0	-
	Upper Heyford	18·9	-18	ENE	3	z_0	49	55	34	6	1	-	-	Tr	Tr	1500
4	Ross-on-Wye	18·7	-20	ENE	3	z_0	48	65	37	6	-	-	-	0	0	-
5	Hartland Point	15·4	-8	NE	3	z_0	45	85	42	6	1	-	1	Tr	2-3	2500
	Bristol	18·5	-18	E'S	3	z_0	52	55	37	6	-	-	-	0	0	-
	Portland Bill	16·9	-10	E	4	o	44	92	42	7	5	-	-	10	10	2500
	Plymouth	15·8	-14	E	5	z_0	49	75	42	6	5	-	-	2-3	2-3	900
	The Lizard	13·6	-14	E	5	z_0	49	85	45	6	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	12·2	-12	E'N	5	b	54	75	48	5	-	-	-	0	0	-
	Guernsey															
6	Pembroke	16·7	-8	SE'E	6	z_0	47	75	40	6	5	-	-	4-6	9+	2500
7	Holyhead (Valley)	18·3	-10	ENE	3	z_0	55	45	25	6	-	-	-	0	0	-
	Chester (Sealand)	19·8	-14	SE'S	1	b	51	65	38	6	-	-	-	0	0	-
8	Manchester	19·4	-20	E	2	z_0	54	45	32	6	1	-	-	Tr	Tr	3000
10	Spurn Head	20·3	-12	NNE	3	o	46	85	40	7	7	-	-	10	10	2500
	Catterick (Sc)	22·0	-16	NE	4	z_0	48	75	39	5	1	-	-	2-3	2-3	2000
	Tynemouth	23·5	-12	NE	3	bc	44	85	39	7	2	3	-	4-6	4-6	2800
11	St. Abbs Head	22·8	-14	NE	1	c-bc	43	85	39	7	5	-	-	7-8	7-8	3500
	Leuchars	23·8	-12	E	2	bc	46	75	39	8	1	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	22·2	-12	E	3	z_0	49	65	38	6	-	-	-	0	0	-
	Eskdalemuir	21·4	-16	ENE	4	b	49	65	36	8	1	-	-	Tr	Tr	2500
	Point of Ayre	20·8	-4	SE'E	2	b	51	65	37	8	-	-	-	0	0	-
13A	Tiree	20·4	-4	ESE	4	bc	50	75	41	8	-	3	-	0	4-6	-
13B	Stornoway	21·9	-2	SE	1	z_0	48	75	42	7	-	3	-	c	7-8	-
15	Dalwhinnie	22·8	-4	SE	4	b	50	45	30	8	1	-	5	Tr	1	4000
	Aberdeen	25·1	-10	SSE	3	b	47	75	39	8	1	-	-	Tr	Tr	2500
	Wick	25·7	-4	SE	2	b	46	75	39	8	8	-	-	1	1	3000
16	Sumburgh	27·6	-2	SE'S	4	c-bc	47	75	38	8	2	-	-	7-8	7-8	2000
17	Blacksod Point	13·7	-4	SE	5	c	53	65	42	6	5	-	-	9	9	2500
18	Malin Head	17·9	-4	SSE	6	c-bc	50	65	39	8	5	-	2	4-6	7-8	1500
	Aldergrove	19·4	-10	SE'E	3	z_0	51	65	39	6	-	7	-	0	2-3	-
19	Birr Castle	15·5	-2	SSE	3	c	56	65	45	8	-	-	5	0	9	-
20	Valentia Obsy.	10·5	-4	E'S	5	c	56	65	45	7	-	7	-	0	9+	-
	Roches Point	14·1	-6	ESE	5	z	49	92	47	5	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 22nd March

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)	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)	16·4	-4	E	3	z_0	48	65	36	5	-	-	-	0	0	-	1	*
Croydon	17·6	-6	E'S	3	z_0	48	55	34	6	-	-	-	0	0	-	0	*
S. Farnborough	15·9	-6	E	3	z_0	51	55	35	6	-	-	-	0	0	-	0	*
Boscombe Down	16·2	-4	E'N	2	z_0	49	55	32	5	-	-	-	0	0	-	0	*
Thorney Island	16·2	-6	E	2	m	45	92	43	4	5	-	-	10	10	400	0	*
Lympne	17·5	-2	N	2	m	41	92	39	4	-	-	-	0	0	-	0	3
Manston	17·7	-6	E	1	z_0	42	92	41	5	5	-	-	9+	9+	500	0	*
Shoeburyness	18·2	-10	NE	2	z_0	40	92	39	6	5	1	-	7-8	9	450	0	*
Felixstowe	18·1	-2	ENE	2	z_0	44	85	41	6	-	-	-	0	0	-	0	2
Gorleston	18·2	-6	ENE	1	z_0	44	92	43	6	-	-	-	0	0	-	0	2
Mildenhall	17·3	-6	NNE	2	b	51	65	37	8	-	4	-	0	Tr	-	0	*
Cranwell	17·5	-4	E'S	2	z_0	46	75	40	6	4	-	-	2-3	2-3	3000	0	*
Birmingham	17·2	-8	E	2	z_0	48	55	33	5	-	-	-	0	0	-	0	*
Upper Heyford	16·7	-10	ENE	3	b	49	55	32	7	-	-	-	0	0	-	0	*
Ross-on-Wye	16·3	-10	ENE	2	b	50	45	31	7	-	-	-	0	0	-	0	*
Hartland Point	12·9	-8	E	3	b	51	75	43	7	-	-	5	0	Tr	-	0	3
Bristol	16·5	-6	ENE	2	z_0	49	65	36	6	-	-	-	0	0	-	0	*
Portland Bill	14·9	-2	E	5	c-bc	44	92	42	7	5	-	-	7-8	7-8	4000	1	5
Plymouth	13·8	-10	E	4	z_0	49	85	44	6	-	-	5	0	2-3	-	0	3
The Lizard	11·8	0	E	5	z_0	48	92	46	6	5	-	-	7-8	7-8	1500	0	5
Scilly (St. Mary's)	09·9	-14	EN	5	z_0	50	85	47	5	-	-	2	0	2-3	-	0	5
Guernsey																	
Pembroke	13·8	-10	E'N	5	z_0	50	75	43	6	5	-	-	2-3	2-3	2500	0	3
Holyhead (Valley)	16·2	-6	ENE	3	z_0	49	55	34	6	-	-	-	0	0	-	0	2
Chester (Sealand)	17·1	-12	—	0	b	51	55	35	6	-	-	-	0	0	-	0	*
Manchester	17·4	-8	ENE	3	z_0	48	65	35	6	4	-	1	1	2-3	3000	0	*
Spurn Head	18·7	0	E	2	z_0	44	92	43	6	2	-	-	1	1	2500	0	2
Catterick (Sc)	19·8	-6	ENE	4	m	43	85	40	4	2	-	-	7-8	9	2500	0	*
Tynemouth	21·0	-8	NE	4	c-bc	44	85	41	7	2	-	-	7-8	7-8	2300	0	3
St. Abbs Head	21·0	-12	NNE	1	c	42	92	40	7	5	-	-	10	10	800	0	3
Leuchars	22·1	-10	E	3	c	43	85	40	7	5	-	-	9+	9+	900	0	*
Renfrew (Abbots I.)	20·2	-8	E	3	z_0	47	75	40	6	-	-	-	0	0	-	0	*
Eskdalemuir	19·7	-8	NE	4	b	42	75	36	7	-	-	-	0	0	-	0	*
Point of Ayre	18·1	-6	S'W	2	b	48	75	40	8	-	-	-	0	0	-	0	3
Tiree	19·6	-2	ESE	3	bc	49	75	42	8	-	3	-	0	4-6	-	0	4
Stornoway	21·3	-2	NE	2	z_0	47	97	45	8	-	3	-	0	4-6	-	0	1
Dalwhinnie	21·0	-2	S	2	b	43	55	29	8	4	-	-	Tr	Tr	4000	0	
Aberdeen	23·5	-6	E	2	c	43	85	39	7	5	-	-	10	10	2500	0	2
Wick	24·2	-4	ESE	3	c	43	85	40	8	5	-	-	9	9	1500	0	*
Sumburgh	26·9	-2	ESE	4	c	43	85	39	7	5	-	-	10	10	1500	0	3
Blacksod Point	12·1	-10	SE	3	c-bc	53	65	42	6	8	-	6	4-6	7-8	2500	0	3
Malin Head	16·6	-6	ESE	3	b	50	55	35	8	-	-	-	0	0	-	1	4
Aldergrove	17·9	-6	ENE	2	b	47	55	30	7	-	-	1	0	Tr	-	1	*
Birr Castle	13·4	-10	SSE	2	b-bc	51	65	40	8	-	-	8	0	2-3	-	1	*
Valentia Obsy.	08·1	-12	E'S	6	z_0	52	65	41	6	-	7	-	0	9	-	1	4
Roches Point	11·9	-14	ESE	5	z_0	48	92	46	5	-	-	5	0	2-3	-	1	5

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h. 22nd to 1h. 23rd (41)	1h.—7h. 23rd (42)
London (Kew)	cbfzoy	bybzo	bm	moff
Croydon	ofbfbm	bzoy	bzoyzbfFe	oFe
S. Farnborough	cmbcbzy	bzzoy	bzoyzbf	bfoFf
Boscombe Down	cmbzoz	bzoy	bzofmow	bmowbmoF
Thorney Island	cmobzo	bccmom	cmbfbm	bmxbmo
Lympne	cmowmo	bzom	bmfmox	bmox
Manston	cbcmo	bccmo	oFe	oFdo
Shoeburyness	fcmo	cmo	cf	oFe
Felixstowe	ofxcmb	bbmo	offe	ofebfbmx
Gorleston	bzoz	bmo	bzozow	bffex
Mildenhall	ofbcmobmo	bmobcyb	bbzomom	bFx
Cranwell	bmobcmo	ccmo	cmooFbmo	bmoFex
Birmingham	Fbz	bz	bf	bmfx
Upper Heyford	Feombzo	bzoyby	bybzomo	bmomfx
Ross-on-Wye	cmobzo	by	bbxo	bmox
Hartland Point	czobc	bcbzo	bbcbzo	bzo
Bristol	cmmbzy	bzoy	bzobz	fx
Portland Bill	o	c	bcc	o
Plymouth	cmo,bzo	bmo	bmo	cmo
The Lizard	czo	bcczo	bcbwz	bbczo
Scilly (St. Mary's)	bbcb	bbc	bcbw	bbcwc
Guernsey				
Pembroke	cmz	bczo	bcbmo	bcmo
Holyhead (Valley)	bzoy.	bzoy	bzo	bmow
Chester (Sealand)	bcbmozo	bzoy	bzom	cfff
Manchester	bmmozo	bzoy	bczocmo	bmx
Spurn Head	o	bc	cmo	cmo
Catterick (Sc)	cfbcmbczo	czocm	cmbc	cfoF
Tynemouth	bc	bcc	c	c
St. Abbs Head	cbcbc	c	co	oc
Leuchars	cbc	bc	c	ccmo
Renfrew (Abbots I.)	cmobczobco	bzo	bzobcmocm	cmocmcm
Eskdalemuir	bcmob	byb	bbcmo	bcmoc
Point of Ayre	b	b	b	b
Tiree	cbc	bccbc	b	bx
Stornoway	cmobcmo	bcmo	bcmobmo	bmo
Dalwhinnie	by.	by		bbc
Aberdeen	czowb	bbcc	ccz*	cmo
Wick	bc	bcc	cmoc	c
Sumburgh	bc	bcc	ccmoc	cb
Blacksod Point	c	bc	b	b
Malin Head	r	bc	bc	bc
Aldergrove	czobczo	bzoyby	bybcmocmo	bmocmo
Birr Castle	c	bc	*	bc
Valentia Obsy.	c	c	bc	c
Roches Point	bc	bc	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 23rd March 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate east to Southeast winds, fine, rather warm by day, local frost at night.
5 S.W. England ↓; 6 South Wales	Fresh to strong east to Southeast winds, gale locally on coasts; becoming cloudy with some slight rain later; rather cold.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light to moderate east to southeast winds; fair or fine; rather cold with frost inland at night.
16 Orkneys and Shetlands	As 7-15.
17 N. W. Ireland; 18 N. E. Ireland	As 7-16
19 S. E. Ireland; 20 S. W. Ireland ↓	As 5-6

GENERAL INFERENCE

Pressure is high to the northeast of the British Isles, and a depression will approach slowly from southwest. Some slight rain will spread into Southwest England, South wales and South Ireland later; elsewhere it will be fair or fine; it will be mainly rather cold, but in some sunny areas it will be rather warm by day.

FURTHER OUTLOOK

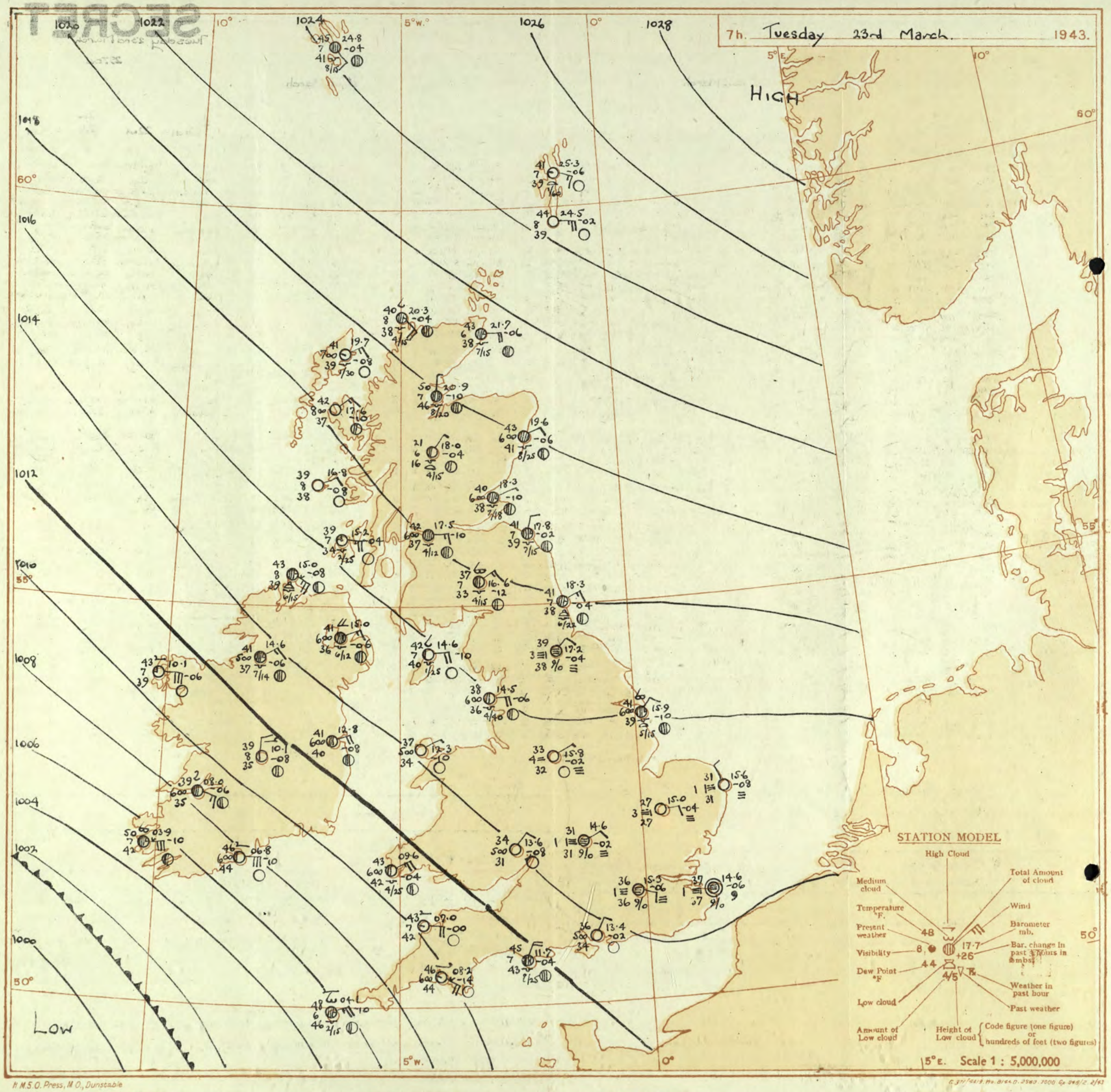
Unsettled conditions gradually spreading northeast across British Isles.

↓ Warning of Southerly gale in operation, districts 5 and 20. Time of issue 2100 22nd March 1943.

Forecasts issued at 10.30

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

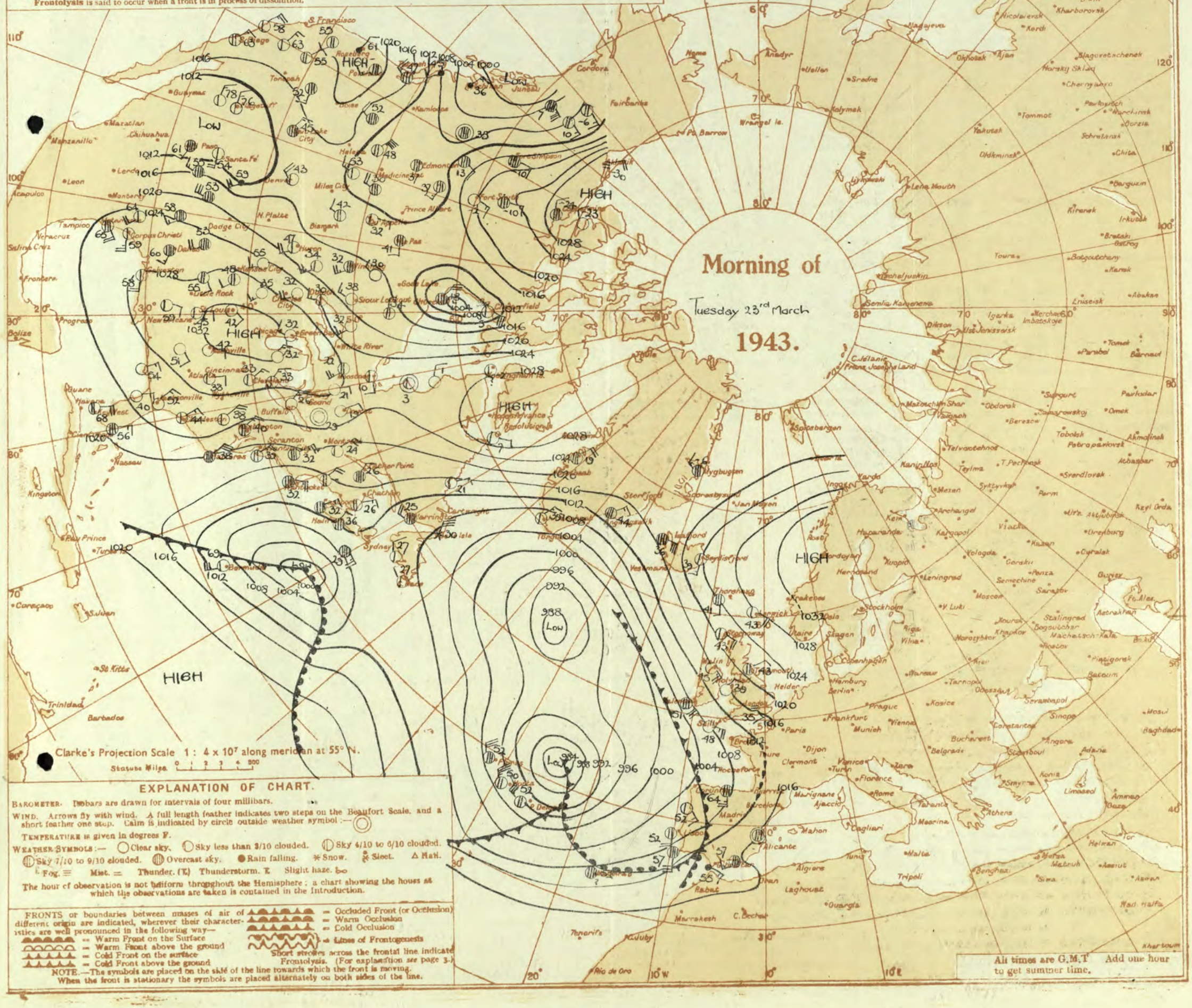
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. Slight haze.

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

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

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

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

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

Page 4.

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

BRITISH SECTION

Tuesday 23rd March 1943

No. 29706

OBSERVATIONS at 1 hr. G.M.T. 23rd March

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	40	*	*	*	*	*	*	*	*	*
	Croydon	290	16·6	-8	ESE	2	F+	35	97	35	1	-	-	-	10	10	<150
	S. Farnborough	226	15·4	-10	E	3	bf+	36	92	34	3	-	-	-	0	0	-
	Boscombe Down	417	15·3	-10	E	3	z0	33	97	33	5	-	-	-	0	0	-
	Thorney Island	10	14·8	-8	ENE	2	m	40	97	40	4	-	-	-	0	0	-
	Lympne	283	15·9	-10	NW	1	z0	35	97	34	5	-	-	-	0	0	-
	Manston	154	16·3	-6	—	0	F	36	97	36	1	-	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·2	-10	—	0	F+	38	97	38	1	-	-	-	10	10	<150
	Gorleston	5	17·2	-2	—	0	z0	42	97	41	6	-	-	-	0	0	-
	Mildenhall	15	16·1	-10	E	2	m	31	97	29	4	-	-	-	0	0	-
	Cranwell	203	17·0	-6	ENE	2	b	35	97	35	5	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·6	-10	E	2	z0	37	85	33	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·1	-18	ENE	4	b	44	85	40	7	-	-	-	0	0	-
	Bristol	209	14·8	-10	—	0	bf+	35	85	32	3	-	-	-	0	0	-
	Portland Bill	32	13·7	-8	ENE	4	c-bc	45	92	43	7	5	-	-	7-8	7-8	2500
	Plymouth	82	11·4	-14	ESE	4	z0	45	92	42	6	-	-	-	0	0	-
	The Lizard	240	09·3	-12	ENE	5	z0	47	97	46	6	-	-	-	0	0	-
	Scilly (St. Mary's)	163	07·3	-16	E	5	z0	48	92	47	5	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	12·2	-12	E/N	5	b	44	85	41	6	-	-	5	0	1	-
7	Holyhead (Valley)	32	15·1	-8	NE	2	m	39	85	35	4	-	-	-	0	0	-
	Chester (Sealand)	16	16·1	-6	—	0	m	35	92	33	4	-	-	-	0	0	-
8	Manchester	235	16·4	-6	ENE	2	m	39	85	36	4	-	-	-	0	0	-
10	Spurn Head	29	18·0	0	NE	2	c	41	97	41	6	7	-	-	9+	9+	1500
	Catterick (Sc)	192	18·1	-10	NNE	1	cf+	38	97	37	3	5	-	-	9	9	800
	Tynemouth	108	19·0	-8	ENE	2	c-bc	43	92	41	7	2	-	-	7-8	7-8	1500
11	St. Abbs Head	280	19·7	-6	N	2	o	41	85	37	7	5	-	-	10	10	800
	Leuchars	36	20·3	-14	E	1	c	42	85	37	7	5	-	-	9+	9+	1200
12	Renfrew (Abbots I.)	19	19·7	-10	E	3	z0	43	85	38	5	5	-	-	10	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16·7	-8	E	3	b	43	85	38	7	-	-	-	0	0	-
13A	Tiree	44	18·8	-10	E	1	b	43	92	40	8	-	-	-	0	0	-
13B	Stornoway	15	21·1	-2	ESE	4	z0	43	92	41	7	-	-	1	0	Tr	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	21·7	-14	NE	2	z0	41	92	39	6	5	-	-	10	10	1100
	Wick	114	23·1	-8	ESE	3	c	42	85	38	6	5	-	-	10	10	1600
16	Sumburgh	19	25·8	-10	ESE	4	c	43	85	40	7	5	-	-	9+	9+	1200
17	Blacksod Point	18	11·9	-10	SE	3	b	44	75	37	7	5	4	-	0	Tr	-
18	Malin Head	84	16·8	-6	ESE	5	b	45	85	41	7	-	-	-	0	0	-
	Aldergrove	268	16·9	-10	E	3	z0	41	85	38	6	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·3	-8	E/S	6	c	51	65	40	7	5	7	-	4-6	9+	4000
	Roches Point	22	09·7	-12	E	5	z0	47	92	45	6	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 23rd March — 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)	14·4	-6	E	2	f	39	97	38	2	-	-	-	10	10	<150	1	*	53	38	28	-	-	5·9
Croydon	15·3	-6	E/S	2	F	36	97	36	1	-	-	-	10	10	<150	0	*	53	33	28	-	-	8·0
S. Farnborough	14·1	-2	E	3	f-	37	97	37	2	-	-	-	10	10	<150	0	*	55	34	23	-	-	8·4
Boscombe Down	13·9	-4	E	4	F	34	97	34	1	-	-	-	10	10	<150	0	*	54	31	26	-	-	7·2
Thorney Island	13·4	-2	NE/N	2	z0	36	92	34	5	-	-	-	0	0	-	1	*	53	35	29	-	-	*
Lympne	14·2	-6	NE	2	z0	35	97	34	5	-	-	-	0	0	-	0	§3	49	31	25	-	-	7·5
Manston	14·6	-6	—	0	F-	37	97	37	1	-	-	-	10	10	<150	0	*	47	34	34	-	0·1	2·5
Shoeburyness	15·6	-6	ENE	1	oF+	37	97	35	1	5	-	-	10	10	200	0	*	43	37	36	-	Tr	0·1
Felixstowe	14·6	-8	N/W	1	m	32	97	30	4	-	-	-	0	0	-	0	0	52	30	29	-	0·1	7·[illegible]
Gorleston	15·6	-8	NNW	1	bF+	31	97	31	1	-	-	-	0	0	-	3	2	48	30	28	-	-	9·[illegible]
Mildenhall	15·0	-4	E	2	bf-	27	97	27	3	-	-	-	0	0	-	0	*	55	26	22	Tr	Tr	6·7
Cranwell	15·7	-2	NE	1	F+	32	97	31	0	-	-	-	10	10	<150	0	*	52	29	21	-	0·1	5·1
Birmingham	14·4	-4	NE	3	F	34	97	34	1	-	-	-	10	10	<150	0	*	51	33	25	-	-	6·3
Upper Heyford	14·6	-2	ENE	2	F+	31	97	31	1	-	-	-	10	10	<150	0	*	52	31	30	-	-	*
Ross-on-Wye	13·6	-8	NE	2	z0	34	92	31	5	-	-	-	0	0	-	0	*	52	34	28	-	-	6·3
Hartland Point	07·0	0	E	4	b	43	97	42	7	-	-	5	0	Tr	-	0	3	53	41	39	-	-	7·4
Bristol	13·3	-4	—	0	bf-	31	97	30	3	-	-	-	0	0	-	3	*	53	31	22	-	-	8·2
Portland Bill	11·7	-4	NE/N	4	o	45	92	43	7	5	-	-	10	10	2500	1	5	45	42	*	-	-	*
Plymouth	08·2	-14	E/S	4	z0	46	85	44	6	-	-	i	0	Tr	-	0	3	49	44	41	-	-	7·4
The Lizard	05·9	-12	ENE	5	z0	48	92	46	6	4	4	-	4-6	4-6	2500	0	4	50	46	*	-	-	4·4
Scilly (St. Mary's)	04·1	-10	E/N	6	c	48	92	46	6	5	5	5	1	9	1500	0	5	54	46	*	-	-	8·9
Guernsey																							
Pembroke	09·6	-4	E/N	5	z0	43	97	42	6	5	-	-	4-6	4-6	2500	0	3	51	42		-	-	6·8
Holyhead (Valley)	12·3	-10	ENE	1	z0	37	85	34	5	-	-	-	0	0	-	0	2	56	35	32	-	-	*
Chester (Sealand)	14·5	-2	—	0	F	27	92	27	0	-	-	-	10	10	<150	0	*	55	27	18	-	-	9·1
Manchester	14·8	-6	E/N	4	z0	38	85	33	5	-	-	-	0	0	-	0	*	55	35	26	-	-	*
Spurn Head	15·9	-10	NE	2	z0	41	92	39	6	7	6	-	7-8	9+	1500	0		47	40	*	-	-	6·7
Catterick (Sc)	17·2	-4	NE	2	of-	39	97	38	3	-	-	-	10	10	<150	0	*	48	32	31	-	-	5·5
Tynemouth	18·3	-4	ENE	3	c	41	85	38	7	8	-	-	9	9	2200	0	3	45	41	37	-	-	*
St. Abbs Head	17·8	-2	NNE	2	c	41	92	39	7	5	-	-	9+	9+	1500	0	2	45	40		-	-	
Leuchars	18·3	-10	ENE	1	z0	40	92	38	6	5	-	-	9+	9+	1800	0	*	48	40	37	-	-	6·5
Renfrew (Abbots I.)	17·5	-10	E	3	z0	42	85	37	6	5	-	-	4-6	10	1200	0	*	51	41	39	-	-	8·8
Eskdalemuir	16·6	-12	NE	3	c-bc	37	88	33	7	5	7	-	4-6	7-8	1500	0	*	52	36	34	-	-	7·9
Point of Ayre	14·6	-10	E	4	b-bc	42	92	40	7	5	4	-	Tr	2-3	2500	1	4	51	40	*	-	-	9·8
Tiree	16·8	-8	ENE	2	b	39	97	38	8	-	-	-	0	0	-	3	2	52	37	30	-	-	2·3
Stornoway	19·7	-8	ENE	3	z0	41	92	39	7	5	-	-	Tr	Tr	3000	0	2	53	49	35	-	-	5·1
Dalwhinnie	18·0	-4	NE	1	bc	21	85	16	6	7	-	-	4-6	4-6	1500	3	*	50	19	12	-	-	10·2
Aberdeen †	19·6	-6	ENE	2	z0	43	92	41	6	5	-	-	10	10	2000	0	2	47	41	38	-	-	7·3
Wick	21·7	-6	E	4	c	43	85	38	6	5	-	-	9+	9+	1500	0	*	47	41	40	-	-	
Sumburgh	24·5	-2	E	5	b	44	85	39	8	-	-	-	0	0	-	0	3	47	42	36	-	-	4·8
Blacksod Point	10·1	-6	E	6	b	43	85	39	7	-	-	6	0	1	-	0	5	55	41	*	-	-	
Malin Head	15·0	-8	SE/E	5	c	43	85	39	8	8	-	-	9	9	1500	1	5	51	42		Tr	-	5·6
Aldergrove	15·0	-6	ENE	3	z0	41	85	36	6	5	2	-	9	10	1200	1	*	52	38	26	Tr	-	8·0
Birr Castle	10·1	-8	N	2	b-bc	39	85	35	8	-	-	8	0	2-3	-	1	*	56	38	35	-	-	5·2
Valentia Obsy.	03·9	-10	E/N	6	c	50	75	42	7	-	7	-	0	9+	-	1	5	57	49	46	-	-	1·5
Roches Point	06·8	-10	E	6	z0	46	92	44	6	-	-	5	0	2-3	-	1	5	50	46	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	10	01853	11413	5-	01744	11414	5-	02657	10327	5-	02757	08427
115				54	01861	12304	54	01861	12514	54	02844	12426
203												
206	04	01890	04312	00	01790	06401	50	05643	04413	5-	02758	32128
210	00	01890	07302	00	01890	08302	5-	02748	09228	5-	02748	00028
219	57	05874	14527	03	02890	14226	00	05890	07111	00	05890	06310
230	03	05890	08113	50	05861	10211	00	05690	00000	00	05890	04100
245	10	01841	06311	50	02746	06316	5-	02747	03327	5-	05647	03227
260	00	05690	06310	5-	08447	04217	5-	05548	04328	5-	05657	04227
278	03	01890	10321	00	05690	12200	00	05690	14300	50	01861	10401
279	00	05690	06400	00	05690	05300	53	05651	04415	5-	05663	06323
285	10	05644	12414	50	05644	02414				5-	05628	14228
288	5-	05645	02425	52	05656	02327	5-	05547	07127	5-	05539	06128
575	73	05564	08225	00	05590	10200	00	05590	08100	50	05547	06327
301	00	05690	09300	00	05690	08300	00	05690	08200	50	05664	08414
321	20	05654	02124	86	05654	04224	--	46009	00049	--	46109	32149
2[illegible]				5-	05646	02226	--	48209	00049	50	05643	04213
292	10	01763	04343	10	05662	04222	5-	05528	00028	--	46109	00049
310	--	05433	04523	--	08443	04523				--	46109	04449
614	2-	05655	06215	5-	05665	06215	--	48009	02209	--	46109	04249

III	13h. G.M.T. 22nd March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	00	00890	13300	00	05690	08200	00	05690	06200	00	05590	28100
334	--	00790	10201									
340	00	05690	10200	00	05690	08200	00	08490	10300	5-	47348	10428
136	10-	05643	30213	40	05673	04213	00	08490	07200	00	45390	06240
336	50	01753	12313	50	01753	12313				5-	05644	04227
350	20	05652	06202	00	00790	04210	00	08490	06100	--	44109	04149
368	00	05590	08440	00	05590	07400	00	05590	06300	00	45390	07400
379	10	05651	04311	00	00790	06300	00	05590	09200	00	08490	04200
390				00	00690	10200	--	57209	00059	--	44209	08149
382	00	05690	06240	00	00790	05300	00	04490	00000	--	43190	00040
438	5-	04328	06248	--	48009	04249	--	46009	04349	--	48009	04249
430				5-	08428	10228	00	08490	06100	00	08490	02200
409	00	05690	43600	00	05690	43414	00	05690	44603	00	05690	44605

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd March
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	sbfzoy	bybzo	bmiff
Croydon	afbfbm	bzoy	bzoyofe
Greenwich	fbm	bmzo	bmfFe
Camden Square	o	o	*
Kensington	bcz	bc	*
Hampstead	bc	bc	

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended ... Max. ... Time: 0·8 9-11h 22nd
Min. Time: 0·1 2-3h 23rd

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	38	28	-	-	5·9	*	*
Croydon	53	33	28	-	-	8·0	*	*
Greenwich	53	36	28	-	-	6·8	57	98
Westminster	54	37	36	-	-		49	97
Regents Park								
Camden Square	56	36	33	-	-	*	*	98
Kensington	55	37	33	-	-		73	93
Hampstead	52	33	29	-	-		*	99

SECRET

Page 1

BRITISH SECTION

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

Wednesday 24th March 1943.

No. 29707

OBSERVATIONS at 13h. G.M.T. 23rd March

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)	10·6	−24	ENE	3	bf	53	65	40	3	-	-	-	0	0	-
	Croydon ...	11·6	−26	E'N	2	2o	56	65	43	5	-	-	-	0	0	-
	S. Farnborough	10·0	−26	SE'S	4	2o	58	45	35	6	-	-	6	0	7-8	-
	Boscombe Down	09·9	−24	E'S	5	c-bc	56	45	37	7	-	-	6	0	7-8	-
	Thorney Island	11·1	−12	E'N	5	2o	56	42	37	6	-	-	2	0	7-8	-
	Lympne ...	11·3	−22	E	3	2o	56	45	33	6	1	-	-	Tr	Tr	3000
	Manston ...	12·1	−18	NE	1	2o	47	85	44	5	-	-	-	0	0	-
2	Shoeburyness ...	13·5	−20	ENE	2	of	41	92	39	2	5	-	-	10	10	450
	Felixstowe ...	12·3	−14	ENE	3	2o	50	85	45	5	-	-	-	0	0	-
	Gorleston ...	13·4	−12	NE'N	1	2o	47	85	41	6	-	-	-	0	0	-
	Mildenhall ...	11·9	−22	ESE	3	b-bc	60	35	35	7	1	-	-	2-3	2-3	2500
	Cranwell ...	12·2	−28	SE'S	3	2o	57	45	37	6	1	-	-	Tr	Tr	2500
3	Birmingham ...	11·1	−22	E	3	2o	52	55	37	6	-	-	-	0	0	-
	Upper Heyford	11·1	−28	E'S	4	2o	55	55	40	5	-	-	-	0	0	-
4	Ross-on-Wye	09·4	−28	E	3	b	56	45	35	7	1	-	5	Tr	1	3000
5	Hartland Point	03·4	−26	E	5	bc	54	55	38	7	4	6	5	2-3	4-6	2500
	Bristol ...	10·1	−22	SE	3	2o	55	45	36	6	-	3	1	0	7-8	-
	Portland Bill ...	09·0	−14	E	5	c	49	92	47	7	5	-	-	10	10	2500
	Plymouth ...	05·6	−14	E	6	2o	53	85	47	6	5	7	-	7-8	9	4000
	The Lizard ...	03·8	−10	E	5	c	50	85	46	7	5	2	-	7-8	10	2000
	Scilly (St. Mary's)	01·6	−12	E	5	c	52	85	48	6	5	-	-	10	10	1000
	Guernsey ...															
6	Pembroke ...	05·9	−20	E	7	2o	54	55	86	6	5	3	-	2-3	7-8	2000
7	Holyhead (Valley)	09·3	−22	NE'E	4	2o	54	55	39	6	-	-	-	0	0	-
	Chester (Sealand)	11·9	−18	SE'S	1	bc	55	45	36	6	1	-	-	Tr	4-6	2500
8	Manchester ...	12·2	−18	E'N	3	2o	56	55	38	6	-	-	-	0	0	-
10	Spurn Head ...	14·2	−14	NNE	4	2o	49	75	42	6	-	-	-	0	0	-
	Catterick (Sc) ...	14·9	−20	NE	3	m/f	51	75	41	4	-	-	-	0	0	-
	Tynemouth ...	16·9	−8	NNE	3	bc	46	85	42	7	2	-	-	4-6	4-6	2400
11	St. Abbs Head	16·2	−14	NE	1	c	43	85	39	7	5	-	-	10	10	1500
	Leuchars ...	17·0	−8	ENE	3	2o	45	85	36	6	5	-	-	9+	9+	1800
12	Renfrew (Abbots I.)	14·7	−22	E	4	2o	51	75	41	6	5	-	-	2-3	2-3	2500
	Eskdalemuir ...	13·6	−18	E'N	4	2o	51	65	38	6	1	-	-	Tr	Tr	2500
	Point of Ayre ...	12·4	−18	E	3	b	50	75	42	7	-	-	-	0	0	-
13A	Tiree	15·1	−8	SE	1	b	49	92	47	8	-	-	-	0	0	-
13B	Stornoway ...	17·0	−14	ENE	4	2o	49	85	44	7	1	-	-	2-3	2-3	3000
15	Dalwhinnie ...	16·2	−12	SE	2	b	52	35	25	7	1	-	-	Tr	Tr	4000
	Aberdeen ...	18·2	−10	ENE	2	2o	46	85	42	6	5	-	-	9+	9+	2000
	Wick ...	19·8	−12	ESE	3	c-bc	45	85	40	7	8	-	-	7-8	7-8	2000
16	Sumburgh ...	22·6	−14	E'S	5	b	46	85	41	8	1	-	-			2500
17	Blacksod Point	07·9	−18	E	6	bc	50	65	39	6	8	-	-	2-3	4-6	1500
18	Malin Head ...	12·6	−18	E	5	bc	45	75	38	7	8	-	-	4-6	4-6	1500
	Aldergrove ...	12·1	−18	E	4	bc	49	65	38	6	5	-	-	4-6	4-6	2000
19	Birr Castle ...	07·1	−22	NNE	3	bc	54	55		8	-	-	8	0	4-6	-
20	Valentia Obsy.	01·4	−18	E'S	5	c	57	65	46	7	-	7	-	0	9+	-
	Roches Point	04·0	−20	E	6	2o	52	85	47	6	-	-	5	0	4-6	-

OBSERVATIONS at 18h. G.M.T. 23rd March

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)	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)	08·9	−6	E'N	3	m	52	55	37	4	-	3	6	0	9+	-	0	*
	Croydon ...	09·7	−10	E	3	2o	53	65	41	6	5	4	2	Tr	9	5500	0	*
	S. Farnborough	08·3	−6	ESE	2	2o	55	45	31	6	-	7	8	0	7-8	-	0	*
	Boscombe Down	07·8	−4	E'S	3	c	53	45	33	6	-	7	-	0	10	-	0	*
	Thorney Island	08·4	−10	E	4	ir.	54	55	35	7	5	7	-	7-8	9	4000	0	*
	Lympne ...	09·5	−6	ENE	3	2o	54	55	35	6	-	9	2	0	7-8	-	0	§ 3
	Manston ...	10·8	−4	E'N	2	2o	47	65	36	6	-	8	9	0	9	-	0	*
2	Shoeburyness ...	11·5	−24	ENE	3	2o	45	92	43	6	5	3	-	2-3	7-8	1500	0	*
	Felixstowe ...	11·1	−6	ENE	3	2o	45	92	42	5	-	7	2	0	7-8	-	0	2
	Gorleston ...	12·2	−10	ENE	1	2o	47	75	40	6	-	-	-	0	0	-	0	2
	Mildenhall ...	10·8	−2	E'S	3	c-bc	53	55	36	7	-	-	2	0	7-8	-	0	*
	Cranwell ...	10·6	−10	ENE	4	b	49	55	33	7	-	4	4	0	1	-	0	*
3	Birmingham ...	08·9	−12	E	3	2o	54	55	39	6	-	3	-	0	7-8	-	0	*
	Upper Heyford	08·8	−8	ESE	3	2o	54	55	36	6	-	5	6	0	7-8	-	0	*
4	Ross-on-Wye	07·6	−10	E	3	2o	55	55	36	5	-	7	-	0	9+	-	0	*
5	Hartland Point	01·8	−4	E	4	ir.	50	75	42	7	-	7	-	0	9+	-	0	4
	Bristol ...	06·9	−12	ESE	3	2o	54	45	34	6	5	2	-	9	10	5000	0	*
	Portland Bill ...	05·9	−12	E	5	rr	48	92	46	7	5	-	-	10	10	2500	1	5
	Plymouth ...	03·7	−10	E	4	rr	48	92	47	6	5	7	-	7-8	10	3000	1	3
	The Lizard ...	00·6	−18	E	5	r.r.	49	97	49	7	5	-	-	10	10	1000	1	4
	Scilly (St. Mary's)	98·8	−14	E'N	5	c	51	92	49	6	5	5	-	7-8	9+	1500	1	5
	Guernsey ...																	
6	Pembroke ...	03·7	−8	E'S	7	ir	54	55	37	6	8	7	-	7-8	10	2500	0	3
7	Holyhead (Valley)	07·5	−8	ENE	1	2o	51	65	40	5	-	-	2	0	4-6	-	0	3
	Chester (Sealand)	09·4	−6	SE'E	2	b	54	55	38	5	-	-	-	0	0	-	0	*
8	Manchester ...	10·1	−10	E	3	2o	53	55	37	6	1	4	-	Tr	2-3	4000	0	*
10	Spurn Head ...	12·4	0	ENE	4	2o	45	92	42	6	-	-	-	0	0	-	0	3
	Catterick (Sc) ...	12·8	−2	NNE	2	m	43	92	41	4	-	-	-	0	0	-	0	*
	Tynemouth ...	14·4	−12	NNE	3	2o	44	97	44	6	8	-	-	7-8	7-8	2400	0	3
11	St. Abbs Head	14·2	−4	E	1	0	42	97	41	6	5	-	-	10	10	1500	0	2
	Leuchars ...	15·4	−6	NE	2	2o	44	85	40	6	5	-	-	10	10	800	0	*
12	Renfrew (Abbots I.)	13·2	−2	ESE	4	2o	46	75	41	6	-	-	-	0	0	-	0	*
	Eskdalemuir ...	13·1	−2	NE	3	2o	45	75	38	6	-	-	-	0	0	-	0	*
	Point of Ayre ...	09·7	−12	E'S	3	b	49	75	40	7	-	-	-	0	0	-	0	4
13A	Tiree	12·8	−10	E	1	b	48	85	43	8	-	-	-	0	0	-	0	2
13B	Stornoway ...	15·7	−4	NE	3	2o	47	85	44	7	-	-	-	0	0	-	0	2
15	Dalwhinnie ...	14·8	−4	E	1	b	45	65	35	7	-	-	-	0	0	-	0	*
	Aberdeen ...	17·3	−2	E'S	3	2o	44	85	39	6	5	-	-	9+	9+	2000	0	2
	Wick ...	19·1	−6	ESE	3	c	44	85	39	7	5	-	-	9	9	1500	0	*
16	Sumburgh ...	21·9	−2	E	5	bc	44	92	41	8	5	-	5	4-6	4-6	1500	0	3
17	Blacksod Point	06·0	−8	E	4	b-bc	50	75	42	6	-	-	2	0	2-3	-	0	3
18	Malin Head ...	10·3	−10	E'S	5	b	48	75	41	7	-	-	-	0	0	-	0	4
	Aldergrove ...	09·9	−6	ENE	4	2o	48	75	39	6	5	-	-	4-6	4-6	2000	1	*
19	Birr Castle ...	04·7	−8	NNE	3	bc	52	65	41	8	-	-	3	0	4-6	-	1	*
20	Valentia Obsy.	00·2	−2	E'S	5	c	53	65	42	7	-	7	-	0	10	-	1	3
	Roches Point	01·8	−8	E	6	2o	51	85	46	6	5	-	5	4-6	7-8	2500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 23rd (39)	12h.–18h. 23rd (40)	18h. 23rd to 1h. 24th (41)	1h.–7h. 24th (42)
1	London (Kew)	of bff	bcc2o2y	cbccm	cr0mcm0
	Croydon ...	ofbm0	bcz0cz0	bzczir0x	cir0m0cm0
	S. Farnborough	ocfbzbcz0ybcz0y	cz0r0	cr0r0ir0m0	
	Boscombe Down	fcmbcey	cy	cz0yer0m0cm0	cm0bccm0
	Thorney Island	bm0bz0y	bcciro y	crrm0	crrm0c
	Lympne ...	cybcz0y	bcz0ycir0	cybcz0	
	Manston ...	bz0y			
		ofbcmbm0	bm0bcc2	cbccz0	cir0z0m0
2	Shoeburyness ...	Ff	fcmf	cr0m0	cm0
	Felixstowe ...	bmbm0	bm0bcm	bcm0cm0	cm0cir0cm0
	Gorleston ...	bz0	bz0z0	bz0	bccz0w
	Mildenhall ...	bfxbcy	ocy	bccm0	cz0ir0r0
	Cranwell ...	cm0bz0	bz0b	bbccm0	cm0cir0
3	Birmingham ...	fbz	bzcz	cor	orrf
	Upper Heyford	fxbmz0	bz0ycz0yc	bccr0r0m	cir0r0r0m0
4	Ross-on-Wye	bz0	bcy cyz	crr0	rcr0c
5	Hartland Point	bbcy	bcciro	cir0c	cbc
	Bristol ...	bfxbm0	cz0y	cr0r0m0,m	cr0r0mcm0
	Portland Bill ...	c	orr	orrc	c
	Plymouth ...	bcm0cm0	cr0r0rrm0	crrm0cm0	bcm0cm0c
	The Lizard ...	bcc	cprrr	orrc	crrr
	Scilly (St. Mary's)	c	cir0c	bccw	cr0r0
6	Pembroke ...	bccqm0y	bccqz0y	irbcqr0r0	cqpr0m0
7	Holyhead (Valley)	bw m0z0	bcz0y	bcz0	cir0m0
	Chester (Sealand)	bffm0y	bz0y	bbc,cz0	cz0m0rr
8	Manchester ...	bm0z0y	bz0y	ybcz0	cz0r0r0
10	Spurn Head ...	bm0	bm0	c	cm0
	Catterick (Sc) ...	fbmbz	czbm	bmcf	cfcm
	Tynemouth ...	coc	bccm0	cm0	c
11	St. Abbs Head	cm0o	om0	om0o	om0o
	Leuchars ...	bm0	cm0	cm0	cm0
12	Renfrew (Abbots I.)	cm0cz0bz0	bz0	bz0bcm0cm0	cm0
	Eskdalemuir ...	cbcbz0	bz0	bbcm0	bcm0
	Point of Ayre ...	bbcb	b	bz0	bbcc
13A	Tiree	b	b	b	b
13B	Stornoway ...	bm0	bm0	bm0	bm0
15	Dalwhinnie ...	bcby	bbcb		b
	Aberdeen ...	cbccz0	cc z0	cz0	cz0
	Wick ...	c	c	c	bcc
16	Sumburgh ...	b	bbc	bbc	cbcb
17	Blacksod Point	bc	bc	b	bc
18	Malin Head ...	c	b	b	b
	Aldergrove ...	cm0bz0	bcz0bz0	bm0	bbcm0
19	Birr Castle ...	b	bc		r
20	Valentia Obsy.	c	c	r	pr
	Roches Point	bc	c	r	r

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light or moderate east wind, fresh locally; cloudy, local rain, rather warm during day, rather cold at night.
5 S.W. England 6 South Wales	Moderate east wind, fresh or strong locally, bright intervals, showers, perhaps local thunder; rather warm.
7 North Wales 8 N.W. England	As 0-4
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate east wind, fresh locally, cloudy, local rain, rather cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	As 0-4
13B N.W. Scotland 14 Mid Scotland	Moderate east wind, fair, rather warm during day, rather cold at night.
15 N.E. Scotland	Moderate east wind, cloudy, rather 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 east wind, fresh or strong locally, rain at first, bright intervals, showers later, rather warm.

GENERAL INFERENCE

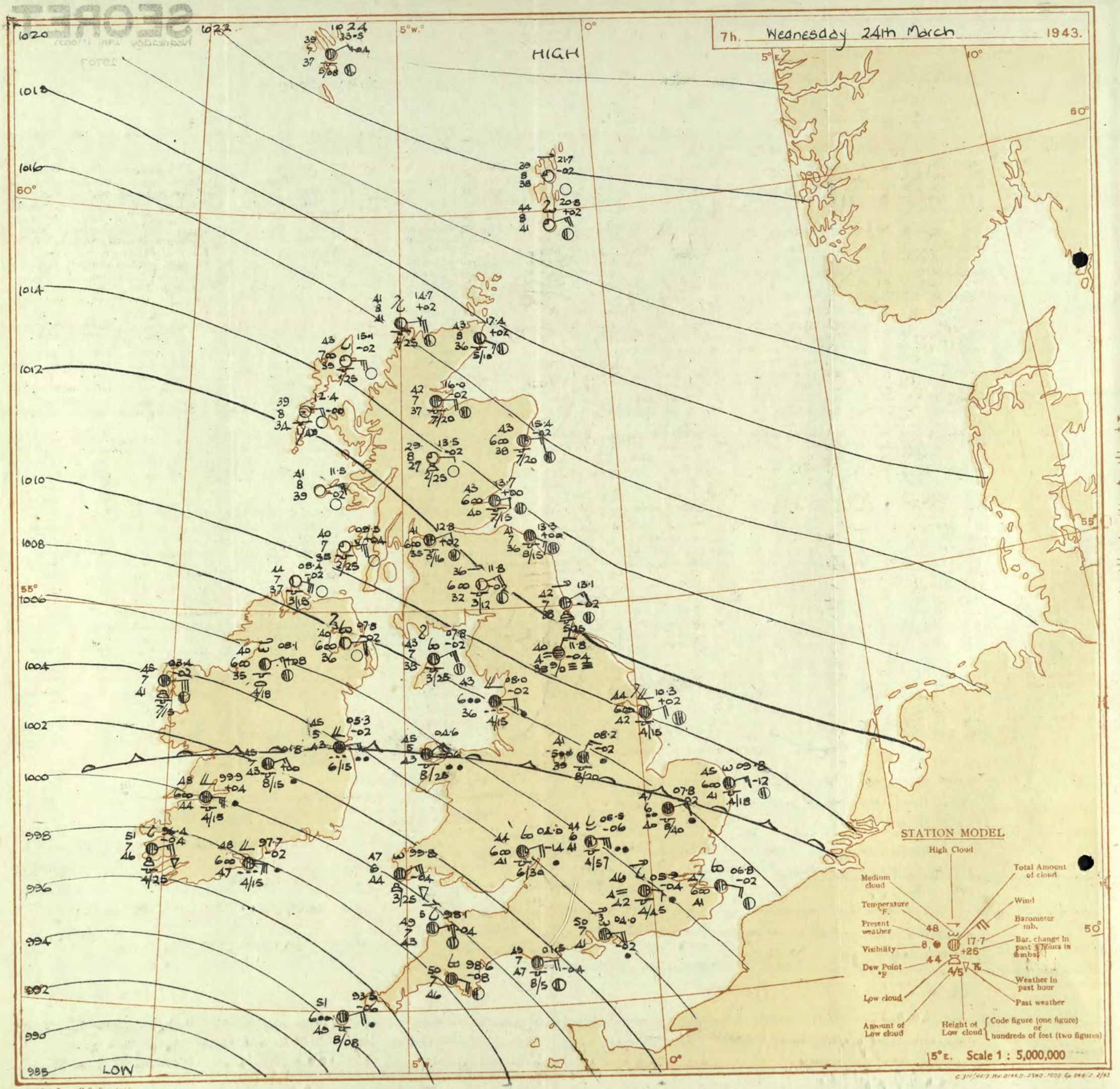
A depression is almost stationary to southwest of the British Isles. Weather will be showery in the Southwest and cloudy in the East and North with local rain.

FURTHER OUTLOOK

Showers in the Southwest. Cloudy in the East with local rain, mainly rather warm but rather cold near East and Northeast coasts.

Forecasts issued at 10 30

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 24th March 1943
No. 23707

OBSERVATIONS at 1 hr. G.M.T. 24th March

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	16	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	07·9	-10	E'N	1	c/r	46	85	41	5	5	7	-	2-3	10	3000
	S. Farnborough	226	06·4	-14	ENE	3	r_0r_0	47	75	39	6	5	7	-	4-6	10	1800
	Boscombe Down	417	05·6	-20	E'N	4	z_0	45	85	41	6	5	-	-	9+	9+	5000
	Thorney Island	10	06·5	-12	ENE	3	rr	51	75	43	6	-	2	-	0	10	—
	Lympne	283	07·3	-14	E	3	c/r	51	55	35	7	5	-	-	9+	9+	4500
	Manston	154	08·1	-10	E'S	3	z_0	48	75	39	5	5	2	-	2-3	10	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	09·1	-8	E'N	4	z_0	46	85	42	5	-	5	-	0	9+	—
	Gorleston	5	11·1	-4	ENE	3	b-bc	44	92	41	6	-	-	+	0	2-3	-
	Mildenhall	15	09·4	-6	E	2	z_0	42	75	36	6	-	3	2	0	9+	-
	Cranwell	203	10·0	-6	ENE	3	z_0	38	92	37	5	-	7	-	0	10	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·9	-8	E	3	ir_0	45	75	38	6	5	1	-	4-6	10	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	99·9	-18	E	5	c	43	92	47	7	5	2	-	9+	10	2500
	Bristol	209	05·5	-10	E	2	ir_0	46	85	43	4	5	2	-	7-8	10	4000
	Portland Bill	32	04·1	-12	ENE	4	c	47	92	45	7	5	-	-	10	10	2500
	Plymouth	82	00·7	-20	ESE	5	z_0	51	85	48	7	5	3	-	9	9+	4000
	The Lizard	240	97·0	-20	E	7	c	51	92	49	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	95·4	-22	E'N	5	c	51	92	50	7	5	-	-	10	10	1800
	Guernsey	175															
6	Pembroke	142	02·4	-4	E'N	6	rr	47	97	46	6	8	7	-	7-8	10	2500
7	Holyhead (Valley)	32	05·9	-8	NE	1	z_0	46	75	38	5	5	-	-	10	10	3000
	Chester (Sealand)	16	08·3	-8	—	0	c	45	75	36	5	-	3	7	0	10	—
8	Manchester	235	09·3	-6	NE	3	z_0	44	65	35	5	5	7	-	4-6	9+	4000
10	Spurn Head	29	11·8	0	E	2	c	43	92	41	7	7	3	-	4-6	9+	2500
	Catterick (Sc)	192	12·8	-2	NNE	3	of	41	92	39	3	5	-	-	10	10	500
	Tynemouth	108	13·7	-4	NNE	3	z_0	42	85	38	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	14·0	+2	ENE	2	o	40	85	36	7	5	-	-	10	10	1600
	Leuchars	36	14·6	-6	E	1	z_0	42	85	37	6	5	-	-	9+	9+	1500
12	Renfrew (Abbots I.)	19	13·2	-6	E	2	z_0	42	85	39	5	5	-	-	9+	9+	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	09·1	-6	E'N	4	z_0	44	85	41	6	-	5	-	0	Tr	-
13A	Tiree	44	12·5	0	E	3	b	44	92	42	8	-	-	-	0	0	-
13B	Stornoway	15	15·9	+2	ENE	4	z_0	42	92	39	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15·9	-10	E	2	z_0	41	92	40	6	5	-	-	9	9	1700
	Wick	114	18·1	-6	E'S	3	c-bc	43	85	39	8	8	-	-	7-8	7-8	2000
16	Sumburgh	19	21·5	-4	E'S	5	c-bc	43	92	40	8	-	-	8	0	7-8	-
17	Blacksod Point	18	05·0	-10	E	4	b	45	85	41	7	-	-	-	0	0	-
18	Malin Head	84	09·6	-2	E	6	b	45	75	38	7	-	-	-	0	0	-
	Aldergrove	268	09·1	-2	E	4	z_0	41	85	38	6	5	-	-	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	98·2	-12	E	5	c/r	51	85	47	7	8	-	-	9+	9+	2500
	Roches Point	22	99·7	-14	E	6	r_0r_0	49	97	48	6	6	2	-	4-6	10	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	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 23rd Hrs. (38)
London (Kew)	05·0	-6	ENE	4	z_0	48	75	42	6	5	3	8	7-8	9	4000	1	*	57	46	41	-	0·5	5·9
Croydon	05·9	-4	E'S	2	m	46	85	42	4	5	4	2	4-6	9	4500	0	*	61	44	40	-	0·1	6·9
S. Farnborough	04·5	-2	SE'E	1	z_0	46	85	42	5	5	3	-	9	9+	3000	1	*	60	45	42	-	0·3	7·1
Boscombe Down	03·4	-4	E	4	z_0	45	92	42	6	-	9	-	0	9+	-	0	*	57	44	41	-	1	5·4
Thorney Island	04·0	-2	E'N	4	c	50	75	41	7	-	3	2	0	9	-	1	*	57	49	45	-	1	*
Lympne	06·1	+2	E	3	z_0	46	75	39	6	-	3	1	0	9	-	0§	2	57	45	41	-	Tr	8·9
Manston	06·8	-2	ESE	4	z_0	47	85	41	6	-	7	-	0	9	-	0	*	53	45	43	-	Tr	6·2
Shoeburyness	07·6	-6	E	4	z_0	46	85	42	6	-	3	2	0	7-8	-	1	*	46	47	38	-	1	1·1
Felixstowe	07·6	-2	NE'E	4	z_0	46	85	43	6	-	3	-	0	9+	-	0	2	51	43	38	-	Tr	9·5
Gorleston	09·8	-12	E'N	3	z_0	49	85	41	6	5	3	-	4-6	7-8	1800	0	3	50	43	34	-	-	10·2
Mildenhall	07·8	-2	E'N	3	r_0r_0	47	75	40	6	5	-	-	10	10	4000	1	*	60	36	31	Tr	0·2	7·8
Cranwell	09·3	+2	E	2	ir_0	43	97	40	6	5	2	-	9+	10	4500	0	*	58	32	33	0·1	-	4·9
Birmingham	06·8	-4	ENE	4	rf	42	97	41	3	6	-	-	10	10	800	1	*	55	41	39	-	9	6·7
Upper Heyford	05·5	-6	E	5	c/r	44	85	41	6	5	9	-	4-6	9+	5700	1	*	58	43	41	-	3	*
Ross-on-Wye	04·0	-14	E'N	4	z_0	44	85	41	6	5	7	-	9	9+	3000	1	*	57	43	42	-	5	7·3
Hartland Point	98·1	-4	ENE	5	c	49	85	43	7	-	4	8	0	9+	-	0	4	55	47	45	Tr	1	2·8
Bristol	03·9	+2	E'N	2	z_0	44	85	41	6	5	9	-	2-3	4-6	4000	1	*	59	44	41	-	1	5·7
Portland Bill	01·5	-4	E	4	c	49	92	47	7	5	-	-	10	10	2500	1		49	45	*	0·3	0·3	*
Plymouth	98·6	-8	ESE	4	c	50	85	46	7	-	7	-	0	10	-	1	3	56	47	45	1	3	2·9
The Lizard	95·2	-6	NNE	6	r_0r_0	50	92	48	7	5	-	-	10	10	1000	1	5	52	49	*	0·3	5	2·3
Scilly (St. Mary's)	93·5	-6	E'N	4	r_0r_0	51	92	49	6	5	-	-	10	10	800	1	5	54	49	*	Tr	0·1	1·2
Guernsey																							
Pembroke	99·8	-4	ENE	5	c-bc	47	85	44	6	2	3	-	2-3	7-8	2500	1	3	55	45	*	Tr	7	5·7
Holyhead (Valley)	04·6	-6	NE'E	4	o/r	48	92	43	5	5	-	-	10	10	2000	1	2	60	44	40	-	1	*
Chester (Sealand)	07·7	+2	—	0	rr	43	92	41	5	5	2	-	4-6	10	2000	1	*	58	42	35	-	5	6·9
Manchester	08·7	+2	ENE	3	r_0r_0	42	92	39	5	5	2	-	4-6	10	4000	1	*	56	42	30	-	2	*
Spurn Head	10·3	+2	E'N	4	z_0	44	92	42	6	5	2	4	4-6	10	1500	0	3	50	41	*	-	-	9·0
Catterick (Sc)	11·8	-4	NNE	3	m/f	40	92	39	4	-	-	-	10	10	<150	0	*	51	39	34	-	-	5·6
Tynemouth	13·1	-2	NE	3	c	42	85	38	7	8	-	2	7-8	9	2500	0	3	47	41	39	-	-	*
St. Abbs Head	13·3	0	ESE	3	o	41	85	36	7	5	-	-	10	10	1500	0	2	44	40	*	-	-	*
Leuchars	13·7	0	E	2	z_0	43	92	40	6	5	-	-	9+	9+	1500	0	*	45	42	39	-	-	0·5
Renfrew (Abbots I.)	12·8	+2	E'N	2	z_0	41	85	35	6	5	-	-	7-8	9+	1600	0	*	52	40	39	-	-	6·4
Eskdalemuir	11·8	-2	NE	4	z_0	36	85	32	6	5	-	1	2-3	2-3	1200	0		54	35	33	-	-	9·6
Point of Ayre	07·8	-2	E'N	3	c	43	85	38	7	5	7	6	2-3	9+	2500	0	5	51	42	*	-	-	7·1
Tiree	11·5	-2	E'N	3	b	41	92	39	8	-	-	-	0	0	-	0	3	53	39	35	-	-	7·7
Stornoway	15·1	-2	E	5	z_0	43	85	39	7	5	4	-	Tr	1	2500	0	3	50	40	32	-	-	9·3
Dalwhinnie	13·5	-2	E	1	b	29	85	27	8	2	-	-	1	1	2500	3	*	54	25	16	-	-	9·0
Aberdeen †	15·4	-2	E	3	z_0	43	85	39	6	5	-	-	9+	9+	2000	0	2	47	42	36	-	-	0·9
Wick	17·4	+2	ESE	3	c-bc	43	75	36	8	5	-	-	7-8	7-8	1000	0	*	47	41	39	-	-	*
Sumburgh	20·8	+2	E'N	5	b	44	85	41	8	-	-	9	0	1	-	0	3	47	43	36	-	-	9·1
Blacksod Point	03·4	-2	E	6	c	45	85	41	7	8	-	-	9+	9+	1500	0	5	52	43	*	-	-	*
Malin Head	08·4	-2	E'S	6	b-bc	44	75	37	7	5	-	-	2-3	2-3	1500	0	5	49	44		-	-	7·2
Aldergrove	07·8	-2	E	4	z_0	40	85	36	6	-	7	4	0	4-6	-	1	*	51	39	34	-	-	7·5
Birr Castle	01·8	0	ENE	3	c	45	92	43	7	5	-	-	10	10	1500	1	*	58	42	40	-	3	8·1
Valentia Obsy.	96·4	-4	E'N	5	c	51	85	46	7	8	4	3	4-6	9+	2500	1	4	58	51	47	-	Tr	0·0
Roches Point	97·7	-2	E	6	z_0	48	97	47	6	6	2	-	4-6	9+	1500	1	5	53	48	*	-	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 23rd March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 24th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	5-	02755	10425	5-	05656	09326	5-	01744	10324	58	01743	09414
115				54	01754	41524	54	01844	41515	54	02854	415-5
203							00	05890	08300	00	05890	08300
206	86	01764	08424	5-	02746	04316	5-	05638	06428	5-	02757	08427
210	5-	01753	06223	50	05751	07401	5-	02748	08228	5-	02758	09321
219	00	00890	07400	00	05890	06400	00	05790	09100	50	00861	08401
230	10	01861	08201	00	05790	06200	00	05690	06200	00	05890	04200
245	5-	02745	06415	5-	05648	07428	5-	05647	07327	5-	02748	07328
260	50	05644	08314	5-	05545	06318	5-	05548	06228	5-	05547	08327
278	10	01752	11402	00	05690	10400	00	05690	09500	07	01890	08604
279	00	05690	07410	00	05690	07400	00	05690	06500	54	05663	06515
285	50	01743	14413	13	05642	12313	00	05690	06103	5-	05627	10227
288	70	05654	03314	00	08490	02310	5-	41537	06247	5-	05548	04328
575	10	05645	08315	00	05690	08310	00	05690	06103	73	05644	07325
301	00	05590	08400	00	17490	08300	57	05651	09426	62	62644	08468
321	10	05642	06242	40	05653	06313	--	48009	32149	5-	08428	02248
[illegible]	50	05654	32314	00	05690	32300	00	05690	03220	57	05654	32225
292	00	05690	02140	00	05690	08200	5-	45128	08217	5-	05565	30148
310	--	05500	04400							--	51428	04558
614	00	05690	04340	43	05671	06315	07	05590	04228	52	62454	04368
333	00	05780	07404	07	05590	07427	52	51555	04428	52	62656	08568
334	--	01562	20203	--	05553	10114						
340				07	05690	08304	52	61554	12468	52	62545	08668
136	10	01752	08342	00	05690	06213	01	05690	07218	09	05690	08228
336	53	01753	12414	53	02654	12416				52	22656	12368
350				15	05662	10316	52	62565	06268	52	62576	06368
368	00	05590	07414	57	05554	08417	62	62635	10468			
379	00	05590	08301				5-	64558	10468			
390	00	05530	09240	58	05573	08316	57	08454	09327	53	05563	41365
382	00	08690	12500	07	05690	08325	5-	62538	06262	57	05665	07367
438	00	05590	06340	57	05654	05314	57	05655	06417	87	05654	06315
430	00	05690	08415	58	05675	08426	5-	62548	08368	57	05663	08327
409	09	61690	43627	52	62666	44668	57	61665	42426	52	02765	10468

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 24th March
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	ofbff	beczy	ormom
Croydon	ofbm	bcz irx	cirmom
Greenwich	bmbc	c	bcrc
Camden Square	o	c	*
Kensington	ofbc	bc	*
Hampstead	bc	om	orbc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·9 Time 9-10h 23rd; Min. 0·1 Time 1-4h 24th

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	57	46	41	-	0·5	5·9	*	*
Croydon	61	44	40	-	0·1	6·9	*	*
Greenwich	56	43	34	-	0·8	4·2	52	73
Westminster	58	39	39		0·3		48	73
Regents Park	57	37	37	-	0·1		46	73
Camden Square	59	43	39	-	0·3	*	*	73
Kensington	58	43	39	-	0·5		32	74
Hampstead	55	44	39	-	0·4		*	77

SECRET

Thursday 25th March 1943

No. 2976B

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

Page 1 BRITISH SECTION

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

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)	05·0	-10	E	4	zo	57	55	42	5	-	1	-	0	9+	-
	Croydon	04·9	-12	ENE	4	c	59	45	39	6	-	4	6	0	9+	-
	S. Farnborough	03·3	-10	E'S	4	c	58	55	38	7	-	2	-	0	10	-
	Boscombe Down	03·1	-6	ESE	5	c	54	65	41	7	-	7	-	0	10	-
	Thorney Island	04·1	0	E	3	c	52	65	41	7	-	7	-	0	10	-
	Lympne	04·9	-12	E	3	c	56	55	38	7	-	3	6	0	9+	-
	Manston	05·4	-14	E'N	4	zo	55	55	40	6	-	3	3	0	7·8	-
2	Shoeburyness	06·8	-10	E	4	zo	50	85	44	6	-	3	2	0	9	-
	Felixstowe	06·7	-10	NE'E	4	zo	50	85	44	5	-	7	2	0	9+	-
	Gorleston	08·2	-16	NE	4	zo	47	75	41	6	-	7	4	0	7·8	-
	Mildenhall	06·2	-10	E	5	c	58	55	40	7	-	-	6	0	9+	-
	Cranwell	07·5	-10	E	5	zo	55	55	39	6	-	7	-	0	7·8	-
3	Birmingham	05·5	-10	E	4	zo	53	65	42	6	-	7	-	0	9+	-
	Upper Heyford	04·2	-10	E'N	4	c	56	55	41	7	5	7	-	4-6	10	5000
4	Ross-on-Wye	03·1	-10	ENE	3	zo	55	65	44	6	5	1	-	9	10	2000
5	Hartland Point	98·5	+4	ENE	5	c	52	75	45	7	5	7	-	1	10	2000
	Bristol	03·1	-2	E'S	4	zo	54	65	43	6	-	7	-	0	10	-
	Portland Bill	01·5	+4	E	4	ir	49	92	47	7	5	-	-	10	10	2500
	Plymouth	98·7	+2	ESE	3	roro	50	92	48	6	5	2	-	7·8	10	1500
	The Lizard	95·1	-2	SE	6	roro	49	97	49	5	5	-	-	10	10	800
	Scilly (St. Mary's)	95·0	+16	SE'S	3	roro	50	97	49	6	5	-	-	10	10	800
	Guernsey															
6	Pembroke	00·0	+6	E	6	c/r	51	75	45	6	5	1	-	4-6	9+	2500
7	Holyhead (Valley)	03·9	-10	ENE	5	zo	49	75	40	5	5	-	-	10	10	3000
	Chester (Sealand)	06·3	-14	E'S	1	c	55	55	37	6	-	3	8	0	9+	-
8	Manchester	07·2	-8	E'N	5	zo	52	65	39	6	5	7	-	2-3	10	4000
10	Spurn Head	09·6	-10	E	4	zo	47	85	42	6	7	-	-	9+	9+	1500
	Catterick (Sc)	11·2	-6	NNE	3	rf	45	92	43	3	5	2	-	7·8	10	500
	Tynemouth	12·7	-4	ENE	3	zo	44	92	41	6	5	-	-	9+	9+	2100
11	St. Abbs Head	12·8	0	E	1	zo	43	92	41	6	5	2	-	7·8	9+	1500
	Leuchars	13·6	-6	ENE	3	zo	44	85	39	6	5	-	-	10	10	1800
12	Renfrew (Abbots I.)	11·3	-10	E	4	zo	49	65	39	6	-	3	-	0	1	-
	Eskdalemuir	10·7	-4	NE'E	4	zo	45	75	36	6	5	1	-	2-3	10	2200
	Point of Ayre	08·1	-4	SE'E	5	roro	47	75	42	7	6	7	-	2-3	10	2000
13A	Tiree	10·9	-6	E'N	3	b	51	65	39	8	-	-	-	0	0	-
13B	Stornoway	12·8	-22	E	7	zo	48	85	42	7	1	-	-	Tr	Tr	3200
15	Dalwhinnie	13·8	+4	SE	3	bc	49	55	38	6	8	-	-	4-6	4-6	2500
	Aberdeen	15·3	0	E	3	zo	45	85	39	6	5	-	-	9+	9+	2000
	Wick	17·3	-4	ESE	3	c	45	75	39	7	5	-	-	9+	9+	2000
16	Sumburgh	20·4	-2	E	4	b	47	75	41	8	-	-	1	0	1	-
17	Blacksod Point	03·4	-4	ENE	5	bc	51	75	43	6	-	4	-	0	4-6	-
18	Malin Head	08·5	-2	E'S	6	b-bc	47	65	36	7	-	-	4	0	2-3	-
	Aldergrove	07·9	-4	E	4	roro	44	85	40	6	5	-	-	10	10	1800
19	Birr Castle	01·9	0	E	3	c	52	75	44	7	5	1	-	7·8	9	1500
20	Valentia Obsy.	97·1	+2	E'N	5	c/r	53	75	45	7	5	7	-	7·8	9+	2500
	Roches Point	97·7	0	E	6	iro	51	92	49	6	6	2	-	4-6	9+	1500

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

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)	04·0	+8	ENE	4	zo	53	65	40	5	5	7	-	7·8	10	2500	1	*
Croydon	04·8	+2	E	3	zo	53	75	43	5	-	7	-	0	9+	-	0	*
S. Farnborough	03·2	0	E'S	3	c/r	55	55	37	6	-	7	-	0	9+	-	0	*
Boscombe Down	03·2	+2	E	3	iro	50	75	42	7	-	7	-	0	10	-	0	*
Thorney Island	03·6	-2	E	3	iro	53	65	39	7	-	7	-	0	10	-	1	*
Lympne	04·0	-6	E'N	2	zo	54	55	38	6	-	8	-	0	10	-	0	§2
Manston	04·6	-6	E	3	zo	51	65	40	6	-	7	-	0	9+	-	0	*
Shoeburyness	06·1	-10	E'N	3	zo	48	85	43	6	-	3	-	0	9	-	0	*
Felixstowe	05·9	-2	NE	4	zo	47	85	44	5	-	7	6	0	9+	-	0	3
Gorleston	07·3	-12	ENE	4	zo	46	92	43	6	-	7	-	0	9	-	0	3
Mildenhall	06·3	+4	E	3	zo	51	65	41	6	-	7	-	0	9+	-	0	*
Cranwell	07·0	-2	ENE	5	zo	48	75	39	6	-	7	-	0	9+	-	0	*
Birmingham	04·7	-4	ENE	4	zo	52	65	40	6	-	2	-	0	10	-	1	*
Upper Heyford	03·7	+2	E	4	zo	53	65	39	6	-	7	7	0	10	-	0	*
Ross-on-Wye	02·9	+4	E'N	3	iro	54	65	43	6	5	-	-	10	10	2500	1	*
Hartland Point	99·3	+16	E	4	c/r	49	92	48	7	5	7	-	4-6	9+	2500	0	3
Bristol	02·8	+2	E'S	2	roro	51	75	43	6	5	2	-	7·8	10	4000	1	*
Portland Bill	01·3	+2	E	4	rr	48	92	46	7	5	-	-	10	10	2500	1	5
Plymouth	00·1	+10	ESE	3	zo	50	92	49	6	5	2	-	7·8	10	1000	1	2
The Lizard	98·9	+16	SE	2	bc	52	92	50	8	8	6	-	4-6	4-6	2000	1	4
Scilly (St. Mary's)	97·9	+18	ESE	2	e-bc	50	97	49	8	8	6	3	4-6	7·8	1200	1	4
Guernsey																	
Pembroke	01·3	+14	E'S	6	roro	49	92	47	6	5	1	-	4-6	9+	2500	1	4
Holyhead (Valley)	03·9	+6	ENE	5	roro	51	65	40	6	5	7	-	4-6	10	1500	1	4
Chester (Sealand)	05·9	0	E	2	c	53	65	40	5	-	7	-	0	10	-	1	*
Manchester	06·3	-2	ENE	4	c/r	51	65	39	6	-	7	-	0	10	-	1	*
Spurn Head	08·8	-4	ENE	5	c	46	85	42	7	7	3	2	4-6	9	1500	0	3
Catterick (Sc)	10·9	+2	NNE	3	f	44	97	44	2	5	3	-	4-6	10	800	0	*
Tynemouth	12·8	+2	E	2	zo	44	92	41	6	5	-	-	10	10	900	0	3
St. Abbs Head	12·7	+2	E	1	o	43	97	42	6	5	-	-	10	10	1000	0	2
Leuchars	13·9	+6	ENE	3	zo	44	85	40	6	5	-	-	10	10	1100	0	*
Renfrew (Abbots I.)	[illegible]·0	+10	E'N	4	iro	45	85	41	6	5	-	-	10	10	2000	1	*
Eskdalemuir	11·5	+6	NE'E	3	roro	42	85	39	6	5	-	-	10	10	1500	1	*
Point of Ayre	07·4	-4	E	4	c	47	85	43	8	-	7	-	0	10	-	1	4
Tiree	10·8	+2	E	2	bc	49	75	43	8	-	5	-	0	4-6	-	0	2
Stornoway	13·7	+2	E	5	zo	46	92	43	7	-	-	-	0	0	-	0	4
Dalwhinnie	13·0	+2	E	3	b-bc	42	85	36	6	4	-	-	2-3	2-3	2500	0	*
Aberdeen	15·6	+2	E	3	zo	43	85	38	6	5	-	-	10	10	2000	0	3
Wick	17·6	+4	E	4	c	43	85	38	7	5	-	-	10	10	1500	0	*
Sumburgh	20·1		ENE	3	b	45	92	43	8	-	-	4	0	1	-	0	3
Blacksod Point	03·4	+2	ENE	5	bc	50	75	42	6	5	4	-	2-3	4-6	2500	0	4
Malin Head	08·1	-2	E'S	5	c	47	75	39	7	5	-	-	10	10	1500	0	5
Aldergrove	06·7	-10	E'N	5	c	45	92	42	6	5	2	-	7·8	9+	3000	1	*
Birr Castle	01·7	0	ESE	4	c	49	75	41	7	5	2	-	7·8	10	1500	1	*
Valentia Obsy.	97·8	+6	E'N	4	roro	50	92	48	7	5	2	-	9	10	1500	1	3
Roches Point	98·0	+4	E	6	rr	49	97	49	6	6	2	-	4-6	10	1500	1	5

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)	cmozo	czoyczo	croczo	cro++ro+of
Croydon	cmoczoy	czoyczo	ciro cm	cm+f
S. Farnborough	cmozocy	cyzoirocyzo	cmrocm	cmocmrorf
Boscombe Down	cmoc	cciro	ororomo	ororomm
Thorney Island	c	ccroro	ciro rmo	c++mom
Lympne	ccy	czoy	cmoiror	cmorrc
Manston	cmozo	czoyczo	czoirczo	cm++roro
Shoeburyness	cmo	cmo	cmo	crorom o
Felixstowe	bccmo	cmo	czocirom	c++morrm
Gorleston	bcczo	czo	bcczo	ororoz
Mildenhall	croroczoy	cyc	cmo	cmoirorr
Cranwell	cmoiroczo	czo	cmo	cmoerorom
Birmingham	for	coz	ozrr	oro+f
Upper Heyford	cmczo	cy	mirroro	rororrm
Ross-on-Wye	czo	c	++	ciro
Hartland Point	ciroc	ciroc	erroc	zifr
Bristol	cmo	cmoiroro	crorom	crorom f
Portland Bill	oir	orr	orr	orr
Plymouth	crorom o	crorocmo	cmo	crrrmo
The Lizard	orrm	rrcbc	bcoff	cffo
Scilly (St. Mary's)	croro	roropc	cbccw	cw
Guernsey				
Pembroke	cqroromo	cqroromo	cmo	crrmo
Holyhead (Valley)	cirmo	czoiro	cororozo	ciromo
Chester (Sealand)	cmoiro	czo	czo	cbciro
Manchester	roromozo	czoiro	czomo	cmo
Spurn Head	cmo	c	cmo	croro
Catterick (Sc)	cmirof	cirofcf	cfm	cm
Tynemouth	cmo	como	omo	ocmo
St. Abbs Head	ocmo	omo	omoo	omoo
Leuchars	cmo	cmo	cmo	cmo
Renfrew (Abbots I.)	bczobzo	bczocmoiro	cmororocmo	cmo
Eskdalemuir	bccmo	idororo	oromo	omo
Point of Ayre	ciro	roroc	c	c
Tiree	b	bbc	c	crorododo
Stornoway	bbmo	bmo	bmoc	cciro
Dalwhinnie	bbcy	bc	*	bco
Aberdeen	czo	czo	czo	czoc
Wick	c	c	cmo	cmoc
Sumburgh	b	bbcb	b	b
Blacksod Point	bc	bc	c	c
Malin Head	b	bc	↑	↑
Aldergrove	bcczociro	roromocmo	cmo	cmo
Birr Castle	r	c	*	↑
Valentia Obsy.	pr	r	↑	dc
Roches Point	r	r	↑	

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th March 1943

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate south to southeast winds; mainly fair but chance of local thundery showers, considerable fog developing during night; rather warm and close
3 E. Midlands; 4 W. Midlands; 5 S.W. England; South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate east or northeast winds becoming southeasterly; widespread rain at first, clearing conditions spreading from southeast; considerable fog developing at night; rather cool becoming rather warm and close.
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 east or northeast winds veering southeast later; fair at first but rain spreading from southeast across practically the whole of these areas; rather cold.
16 Orkneys and Shetlands; 17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 11-15

GENERAL INFERENCE

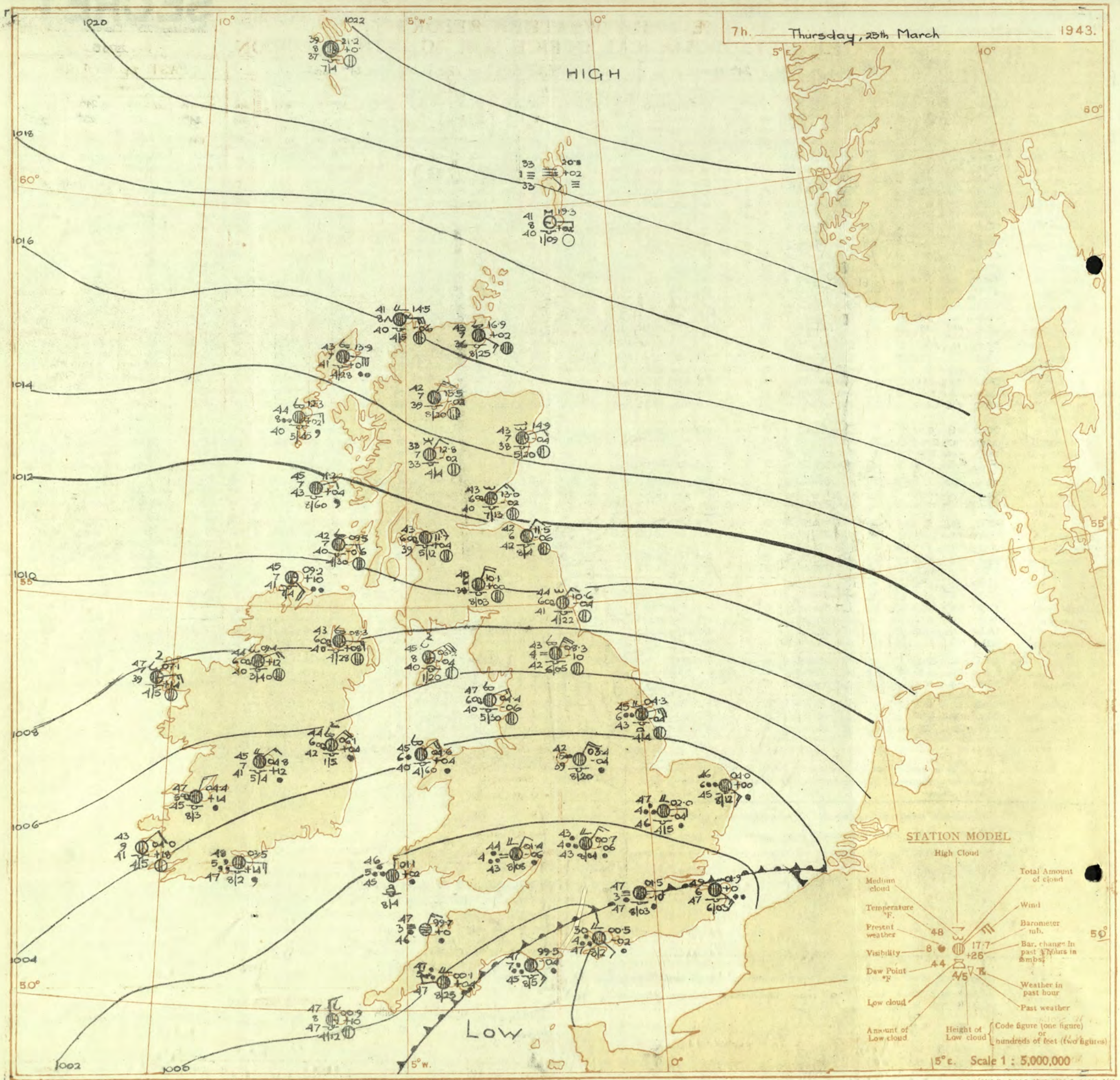
A depression is centred off Portugal and an associated trough is moving northwest across the British Isles. It will be mainly fair in Southeast and East England and also at first in Scotland and Ireland. A belt of rain now covering Wales and the remainder of England will move northeast, finally affecting practically the whole of Scotland and Ireland. Considerable fog will form over England and Wales tonight. In Scotland and Ireland it will be rather cold. Elsewhere it will become rather warm and close.

FURTHER OUTLOOK

Continuing unsettled with further areas of rain spreading across the country. Rather warm in most districts

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

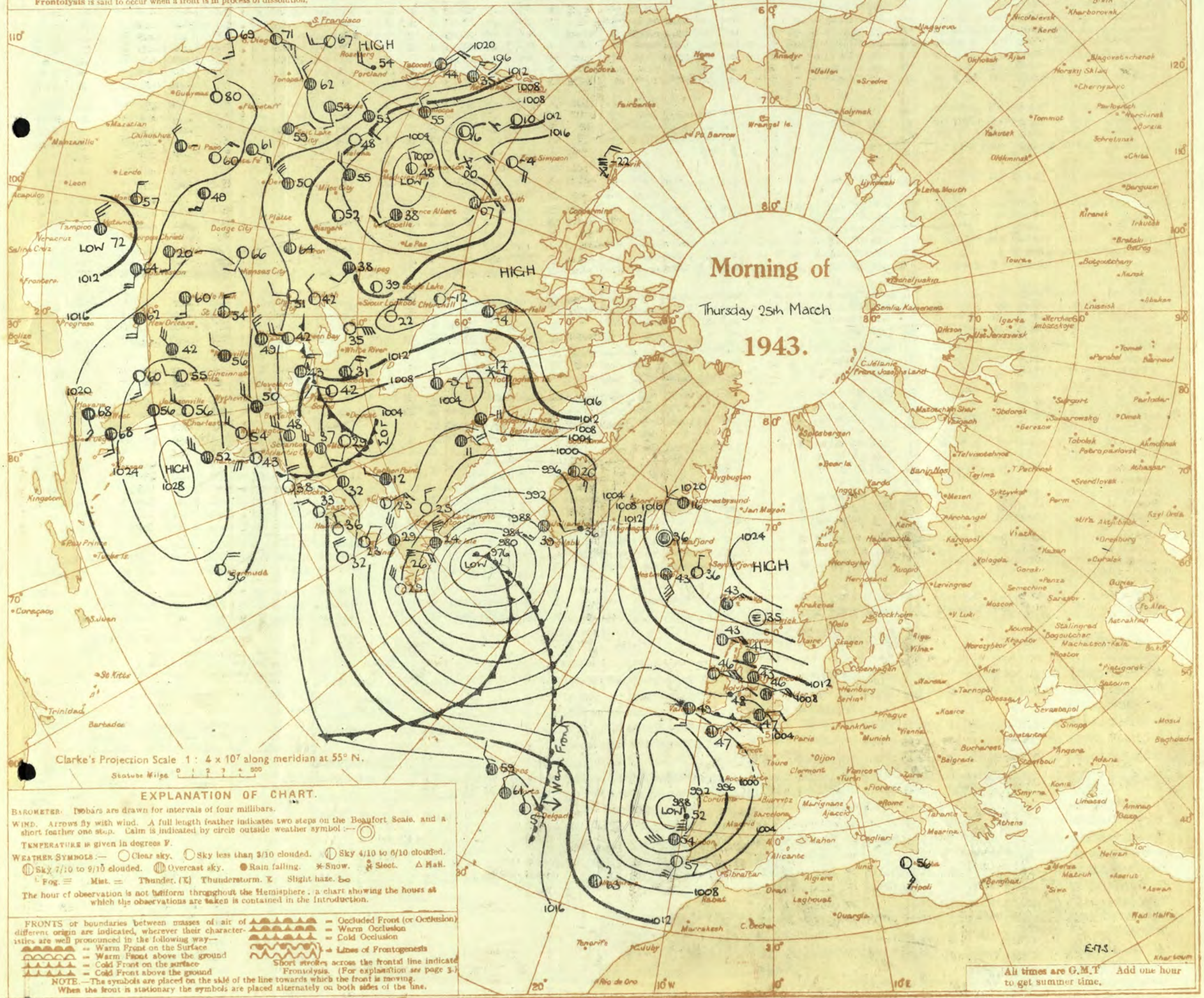
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (K) Thunderstorm. Slight haze.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Thursday 25th March 1943

No. 29708

OBSERVATIONS at 1 hr. G.M.T. 25th March

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	03·8	-4	E	2	m	47	85	43	4	5	-	-	10	10	2700
	S. Farnborough	226	01·6	-14	NE'E	2	c/+	47	92	45	5	5	-	-	10	10	2800
	Boscombe Down	417	02·0	-10	E'N	3	$+_0+_0$	46	97	46	5	5	-	-	10	10	1400
	Thorney Island	10	01·9	-16	ENE	3	++	49	92	48	6	-	2	-	10	10	2500
	Lympne	283	02·6	-10	E	2	++	50	85	46	6	-	2	-	0	10	-
	Manston	154	02·9	-10	SE'E	2	z_0	49	85	44	6	-	7	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	03·2	-12	E'N	3	ir_0	48	85	44	5	5	-	-	9+	9+	4000
	Gorleston	5	04·9	-12	ENE	4	z_0	46	85	41	6	5	7	-	4-6	10	1500
	Mildenhall	15	03·8	-14	E'N	3	z_0	45	85	42	6	5	7	-	2-3	10	6000
	Cranwell	203	05·9	-12	NE	4	z_0	42	92	41	5	-	7	-	0	9	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	02·9	-10	E'N	3	r_0r_0	45	92	43	6	5	-	-	10	10	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00·3	-6	NE	2	c/+	47	97	47	4	5	2	-	7-8	10	800
	Bristol	209	02·2	-8	E'S	2	$+_0+_0$	46	92	44	4	-	2	-	10	10	1100
	Portland Bill	32	00·5	-4	E	4	++	49	92	49	7	5	-	-	10	10	2500
	Plymouth	82	00·3	-6	E	1	ir_0	49	97	47	6	5	2	-	7-8	10	1900
	The Lizard	240	99·9	0	NE	3	of+	48	97	48	3	5	-	-	10	10	400
	Scilly (St. Mary's)	163	99·9	+2	ENE	2	c-bc	47	97	47	7	5	-	9	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	01·8	-2	E	2	ir_0	48	92	46	6	-	2	-	10	10	1800
7	Holyhead (Valley)	32	04·3	-6	NE	5	$+_0+_0$	45	85	41	6	-	2	-	10	10	2500
	Chester (Sealand)	16	05·7	-8	E	2	c	46	75	40	6	-	-	7	0	10	-
8	Manchester	235	06·2	-8	NE	4	z_0	45	85	39	5	-	7	-	0	10	-
10	Spurn Head	29	05·4	-18	ENE	5	c	44	85	40	6	7	3	-	4-6	9+	1500
	Catterick (Sc)	192	10·7	-2	NE	3	m	42	92	41	4	5	2	-	9	10	500
	Tynemouth	108	12·3	-4	NE	3	z_0	43	92	41	6	5	-	-	10	10	1500
11	St. Abbs Head	280	12·2	-4	NE	1	z_0	42	97	41	6	5	-	-	10	10	1500
	Leuchars	36	13·9	-2	E	3	z_0	42	85	39	6	5	-	-	10	10	1200
12	Renfrew (Abbots I.)	19	12·4	0	ENE	3	z_0	43	92	40	6	5	-	-	7-8	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07·6	0	E'N	4	e	45	85	42	8	5	7	-	2-3	9+	2500
13A	Tiree	44	11·2	-2	E	3	c	46	97	45	8	5	-	-	10	10	1800
13B	Stornoway	15	15·5	+4	ENE	4	c	43	85	41	7	5	3	-	7-8	9	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15·7	-6	E	2	z_0	41	92	40	6	5	-	-	10	10	1700
	Wick	114	17·4	-2	SE	3	z_0	42	75	36	6	5	-	-	10	10	2500
16	Sumburgh	19	20·0	-4	E	2	b	42	92	41	8	-	-	-	0	0	-
17	Blacksod Point	18	05·7	+4	E'N	4	c-bc	47	75	40	7	5	-	-	7-8	7-8	2500
18	Malin Head	84	08·5	-2	E'S	5	c	46	92	44	7	5	-	-	10	10	1500
	Aldergrove	268	08·1	+8	EN	4	z_0	45	85	39	6	5	2	-	9	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	00·9	+12	S'E	3	c/+	49	92	47	7	5	-	-	10	10	1500
	Roches Point	22	01·7	+2	SSE	4	c	49	97	48	7	6	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 25th March

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	00·3	-6	ENE	2	+f	48	92	47	3	6	2	-	7-8	10	1500	1	*
Croydon	01·5	-10	E	2	+f	47	97	47	3	5	-	-	10	10	300	1	*
S. Farnborough	00·5	0	ENE	1	+f	47	97	46	3	5	-	-	10	10	600	1	*
Boscombe Down	00·6	0	E	3	$+_0+_0$	46	97	46	4	5	-	-	10	10	800	1	*
Thorney Island	00·5	-2	ESE	2	++	50	85	47	4	-	2	-	10	10	450	1	*
Lympne	01·4	+4	SE	3	c	47	97	47	7	5	2	-	7-8	10	800	1	§4
Manston	01·9	0	SE'E	3	c/+	49	97	47	6	5	-	-	9	10	300	1	*
Shoeburyness	02·6	-6	ESE	3	r_0r_0	47	97	47	5	5	-	-	10	10	1500	1	*
Felixstowe	01·9	-2	ESE	4	$+_0+_0$	47	97	46	5	-	2	-	10	10	1800	1	3
Gorleston	04·0	0	SE	3	r_0r_0	46	97	45	6	6	-	-	10	10	1200	1	3
Mildenhall	02·0	-4	E	2	++	47	97	46	4	5	2	-	4-6	10	2500	1	*
Cranwell	03·4	-4	NE	2	r_0r_0	44	97	43	5	-	2	-	10	10	4000	1	*
Birmingham	02·3	-6	NE	4	+f	43	97	42	3	6	-	-	10	10	800	1	*
Upper Heyford	00·7	-6	NE'E	3	++	43	97	43	4	-	2	-	10	10	400	1	*
Ross-on-Wye	01·4	-6	NE	2	++	44	97	43	4	-	2	-	10	10	800	1	*
Hartland Point	99·7	0	NE	3	+f	47	97	46	3	-	-	-	10	10	<150	1	3
Bristol	01·0	-2	NNE	2	i+	44	97	44	4	6	-	-	10	10	450	2	*
Portland Bill	99·5	-4	SE	3	++	47	92	45	7	5	-	-	10	10	2500	1	5
Plymouth	00·1	+4	W	1	++	47	97	47	5	5	2	-	10	10	300	1	2
The Lizard	00·0	+4	NNW	2	°/f	47	97	47	6	5	-	-	10	10	800	1	4
Scilly (St. Mary's)	00·9	+10	N'W	2	c	47	97	47	8	5	4	-	4-6	9	1200	1	3
Guernsey																	
Pembroke	01·1	+2	N'E	3	rr	46	97	45	5	8	-	-	10	10	2000	1	3
Holyhead (Valley)	04·6	+4	NE'E	4	ir_0	45	85	40	6	5	7	-	4-6	10	6000	1	4
Chester (Sealand)	04·6	-2	-	0	r_0r_0	45	85	41	5	5	2	-	9	10	2500	1	*
Manchester	04·3	-6	NE'E	4	ir_0	44	92	41	6	5	2	-	4-6	10	3000	1	*
Spurn Head	04·3	-4	ENE	5	$+_0+_0$	45	92	43	6	7	2	-	4-6	10	1500	1	4
Catterick (Sc)	08·3	-10	NE	5	m	43	92	42	4	5	7	-	9	10	500	0	*
Tynemouth	10·6	-4	NE	3	z_0	44	92	41	6	5	3	-	4-6	7-8	2200	0	3
St. Abbs Head	11·5	-6	NE	2	o	42	92	42	6	5	-	-	10	10	1500	0	3
Leuchars	13·0	-2	NE'E	3	z_0	43	85	40	6	5	3	-	9+	9+	1300	0	*
Renfrew (Abbots I.)	11·7	+4	ENE	3	z_0	43	85	39	6	5	-	-	7-8	10	1200	1	*
Eskdalemuir	10·1	0	NNE	4	o	40	92	38	6	5	-	-	10	10	300	1	
Point of Ayre	06·2	-4	ENE	6	c	45	85	40	8	4	4	6	Tr	9	2000	1	5
Tiree	11·2	+4	ENE	2	c	45	92	43	7	5	-	-	10	10	6000	0	2
Stornoway	13·9	0	E	6	c/+	43	92	41	7	5	7	-	4-6	10	2800	0	4
Dalwhinnie	12·8	-2	NE	2	c	38	85	33	7	5	6	-	4-6	10	1500	0	*
Aberdeen †	14·9	-4	ENE	2	c	43	85	38	7	5	3	1	7-8	9+	2000	0	2
Wick	16·9	+2	ESE	3	c	43	75	36	7	5	7	-	10	10	2500	0	*
Sumburgh	19·3	+2	E'N	2	b	41	97	40	8	5	8	-	Tr	Tr	900	0	3
Blacksod Point	07·1	+14	E'N	3	c	47	75	39	7	5	5	6	4-6	9	2500	0	3
Malin Head	09·2	+10	ESE	4	c/+	45	85	41	7	5	-	-	9+	9+	1500	0	4
Aldergrove	08·3	+8	E	3	z_0	43	85	40	6	5	7	-	4-6	9+	2800	1	*
Birr Castle	04·8	+12	NE	3	c	45	85	41	7	5	2	-	7-8	10	1500	1	*
Valentia Obsy.	04·0	+16	NE	2	bc	43	92	41	9	5	-	-	4-6	4-6	2500	1	2
Roches Point	03·5	+14	E	3	dd	48	97	47	5	5	-	-	10	10	450	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)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
London (Kew)	57	47	45	-	6	0·7
Croydon	61	44	42	-	5	1·1
S. Farnborough	58	47	45	Tr	6	0·9
Boscombe Down	54	45	45	Tr	7	0·0
Thorney Island	53	48	47	Tr	12	*
Lympne	57	47	43	-	6	3·3
Manston	55	48	47	-	3	3·4
Shoeburyness	51	45	43	-	6	1·7
Felixstowe	51	46	44	-	3	3·9
Gorleston	48	45	42	-	1	3·5
Mildenhall	59	45	40	Tr	3	2·5
Cranwell	56	41	39	0·2	0·2	1·1
Birmingham	55	42	41	0·3	3	0·3
Upper Heyford	58	43	42	-	7	*
Ross-on-Wye	57	43	43	Tr	9	0·2
Hartland Point	53	45	45	Tr	9	0·0
Bristol	59	44	44		12	0·1
Portland Bill	49	43	*	2	8	*
Plymouth	50	47	45	3	6	0·0
The Lizard	53	44	*	7	Tr	2·0
Scilly (St. Mary's)	53	46	*	6	Tr	1·0
Guernsey						
Pembroke	53	45	*	1	7	0·0
Holyhead (Valley)	53	44	42	1	0·3	*
Chester (Sealand)	57	44	40	3	Tr	1·2
Manchester	55	43	40	3	0·1	*
Spurn Head	48	43	*	-	Tr	
Catterick (Sc)	46	42	42	Tr	-	0·0
Tynemouth	45	48	40	-	-	*
St. Abbs Head	43	41	*	-	-	*
Leuchars	45	42	40	-	-	0·5
Renfrew (Abbots I.)	51	42	41	0·1	1	5·8
Eskdalemuir	46	39	39	0·3	0·4	1·7
Point of Ayre	47	44	*	1	-	0·0
Tiree	54	44	43	-	Tr	8·3
Stornoway	49	42	38	-	Tr	8·8
Dalwhinnie	54	35	32	-	-	9·5
Aberdeen †	46	41	39	-	-	0·1
Wick	45	41	40	-	-	*
Sumburgh	49	39	28	-	-	
Blacksod Point	52	45	*	-	-	*
Malin Head	49	45		-	0·1	5·1
Aldergrove	45	42	41	2	-	0·0
Birr Castle	52	44	43	0·2	1	0·2
Valentia Obsy.	54	42	36	0·5	1	0·0
Roches Point	53	47	*	5	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIICLCM	13h wwVhNh	13h DDFWN	18h C_LC_M	18h wwVhNh	18h DDFWN	01h C_LC_M	01h wwVhNh	01h DDFWN	07h C_LC_M	07h wwVhNh	07h DDFWN
109 5-	02757	09427	5-	02758	10328	5-	02756	11426	53	02753	11324
115 54	14854	72625	52	14854	75626	54	14854	75624	52	14854	75628
203 00	05850	04400							07	03890	12328
206 5-	02765	06425	5-	01764	06574	5-	02758	04328	5-	02758	04328
210 5-	05665	07425	5-	05644	15844	5-	05648	09428	5-	05658	08328
219 00	00890	09400	00	05890	06300	53	01764	09315	67	62865	07358
230 00	05890	08300	03	05790	08303	52	62555	06368	57	02764	02127
245 5-	02747	05327	53	02747	06428	5-	05748	06428	51	02755	0342-
260 5-	05656	06325	5-	05548	04328	5-	05648	04428	5-	05548	04428
278 57	02765	41528	57	22654	07568	5-	61758	10468	57	02861	05327
279 57	05675	07428	07	62590	06668	57	05651	06627	5-	05648	05428
285 5-	05628	14418	5-	08748	08428				5-	05528	08428
288 52	08444	02328	53	05544	04368	52	05535	04327	5-	08438	03428
575 5-	81747	04327	53	02744	01125	52	22744	12268	55	05653	06327
301 53	05664	09467	07	05690	08528	07	05690	08325	57	05665	06328
321 57	05654	06468	07	05690	06427	07	05590	32228	02	62538	02468
283 5-	05647	32227	57	05654	04315	50	05654	06414			
292 57	22664	06368	57	05665	06328	00	05690	06326	52	05654	08328
310 --	01626	08516	--	02628	04628				--	57109	04649
614 03	05690	04317	52	05673	39527	53	05674	04327	62	62635	04368

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

IIICLCM	13h wwVhNh	13h DDFWN	18h C_LC_M	18h wwVhNh	18h DDFWN	01h C_LC_M	01h wwVhNh	01h DDFWN	07h C_LC_M	07h wwVhNh	07h DDFWN
333 57	05665	40668	57	05665	41628	07	05590	04368	62	62563	04268
334 --	02754	12315	--	02645	12317				--	64447	32268
340 57	05655	41528	5-	05658	41628	57	05564	06327	02	64558	04268
136 09	05690	08566	53	05673	06427	07	05590	05217	62	62544	08268
336 57	05644	12428	57	02656	08328						
350 57	02774	41528	07	02790	43427	52	62563	06368	02	67348	03268
368 01	08490	06528	02	62590	06568	02	52548	06368	6-	62558	06368
379 57	02764	08528	07	02790	08528	5-	61668	06368	02	64218	04468
390 07	05690	06427	57	05565	06427	07	61490	06368	5-	64448	08268
382 07	05690	08327	5-	05658	08228	5-	61668	05268	02	64418	04268
438 57	02754	06327	52	81764	49327	5-	67538	08268	5-	02746	20466
430 07	02790	41428	52	62757	08468	5-	64548	06368	5-	67328	12268
409 52	62636	10568	57	51626	11467	01	05690	00058	5-	21528	30158

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 25th March
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_0z_0	cz_0ycz_0	cmr_0r_0f
Croydon	cm_0cz_0y	cz_0ycz_0	ir, cmrf
Greenwich	c⊕	c	cd_0mid
Camden Square	c	c	*
Kensington	bcc	cbc	*
Hampstead	bc	om	orf

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 4·4 Time 10h 24th. Min. 0·1 Time 0-4h 25th.

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	57	47	45	-	6	0·7	*	*
Croydon	61	44	42	-	5	1·1	*	*
Greenwich	57	43	44	-	6	1·4	59	96
Westminster	58	48	45		6		57	97
Regents Park	56	46	45	-	6		51	93
Camden Square	58	47	45	-	7	*	*	97
Kensington	59	46	42	-	6		67	98
Hampstead	56	44	41	-	7		*	98

Page 1 **BRITISH SECTION**

SECRET

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

Friday 26th March 1943.

No. 29709

OBSERVATIONS at 13h. G.M.T. 25th March

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	02·1	+8	S'E	4	c	55	75	47	8	9	3	-	9	9+	1500
	Croydon	03·0	+12	SSW	4	c	58	75	48	8	2	-	1	9+	9+	1800
	S. Farnborough	02·0	+10	S'W	4	c	55	75	47	8	5	7	-	9+	9+	1600
	Boscombe Down	01·5	+6	S	3	id₀	49	97	48	6	-	2	-	10	10	500
	Thorney Island	02·6	+14	S'E	3	c	52	92	51	7	5	3	-	4-6	9	800
	Lympne	04·1	+6	S'W	2	c	54	85	49	8	5	2	-	7-8	9+	1400
	Manston	03·7	+6	SSW	4	b-bc	59	75	48	8	2	-	3	2-3	2-3	2000
2	Shoeburyness	03·9	+8	S'E	4	bc	55	75	48	8	1	-	-	4-6	4-6	4000
	Felixstowe	03·4	+8	SSE	4	b-bc	53	85	48	7	1	4	-	1	2-3	2500
	Gorleston	03·8	+4	SE'S	4	b-bc	47	85	43	7	1	4	-	1	2-3	3000
	Mildenhall	02·2	+2	S'W	4	c-bc	57	75	48	7	8	-	-	4-6	7-8	1600
	Cranwell	02·4	-6	E	3	dr	49	97	49	4	-	2	-	10	10	200
3	Birmingham	02·5	0	NE	3	rr	45	97	44	4	6	-	-	10	10	800
	Upper Heyford	00·9	+2	SE	1	m/d	47	97	47	4	-	2	-	10	10	600
4	Ross-on-Wye	01·7	0	NE'N	2	rr	46	97	45	4	-	2	-	10	10	500
5	Hartland Point	01·3	+6	NNE	3	f₀f₀	47	97	47	6	6	2	-	7-8	10	200
	Bristol	01·5	+2	NNE	2	f₀f₀	48	97	48	4	6	-	-	10	10	800
	Portland Bill	00·9	+10	SW	3	c	48	92	46	7	5	-	-	10	10	2500
	Plymouth	01·4	+6	W	1	f₀f₀	48	97	48	6	6	2	-	7-8	10	300
	The Lizard	01·7	+12	NNW	3	z₀	51	85	47	6	5	-	-	9+	9+	800
	Scilly (St. Mary's)	02·8	+8	NNW	2	c	50	92	49	6	5	-	-	10	10	1000
	Guernsey															
6	Pembroke	02·2	0	N'E	3	c	47	97	46	6	8	-	-	10	10	2000
7	Holyhead (Valley)	04·6	0	NE'N	5	c/r	49	75	43	6	5	2	-	9	10	5000
	Chester (Sealand)	04·5	-4	NNE	1	rr	47	92	45	5	5	2	-	4-6	10	1500
8	Manchester	03·7	-4	NNE	4	f₀f₀	45	92	43	4	5	2	-	4-6	10	1500
10	Spurn Head	03·5	-6	E	4	f₀f₀	46	85	45	5	5	-	-	10	10	300
	Catterick (Sc)	06·2	-12	NNE	4	f₀f₀	43	97	43	4	5	2	-	7-8	10	600
	Tynemouth	09·4	-8	NE	3	z₀	44	92	42	6	5	-	-	10	10	900
11	St. Abbs Head	11·0	-8	NNE	3	o	42	97	42	6	5	-	-	10	10	1000
	Leuchars	12·2	-6	NE	2	z₀	45	85	41	6	5	-	-	7-8	10	800
12	Renfrew (Abbots I.)	10·6	-12	ENE	4	z₀	48	85	42	6	7	-	-	4-6	9+	1200
	Eskdalemuir	09·1	-2	NNE	4	z₀	43	85	38	6	5	-	-	10	10	1100
	Point of Ayre	06·1	-6	ENE	6	c	48	85	41	8	5	1	-	4-6	10	4500
13A	Tiree	11·2	-4	NNE	1	c	49	75	42	7	5	-	-	9+	9+	4000
13B	Stornoway	12·9	-10	E	5	c	47	85	43	7	1	3	-	Tr	9+	2200
15	Dalwhinnie	13·0	-4	ENE	2	c	45	85	36	6	5	2	-	4-6	10	2500
	Aberdeen	14·3	-6	E'N	3	z₀	44	85	38	6	5	-	-	10	10	1500
	Wick	16·2	-4	ESE	4	c	45	75	38	7	5	-	-	7-8	10	1500
16	Sumburgh	18·4	-6	E'N	3	c	46	92	44	8	-	3	5	0	9	-
17	Blacksod Point	08·6	+2	E'N	4	c-bc	50	75	43	6	8	4	-	2-3	7-8	2500
18	Malin Head	09·5	0	E	4	c	47	75	40	7	5	-	-	10	10	1500
	Aldergrove	07·9	-6	ENE	5	z₀	47	85	42	6	5	7	-	7-8	10	4500
19	Birr Castle	06·2	+2	NE	2	c	51	75	43	8	5	2	-	7-8	10	1500
20	Valentia Obsy.	05·8	+4	NNE	3	z₀	55	85	51	6	7	-	-	2-3	2-3	2500
	Roches Point	04·5	0	N	3	z₀	53	85	49	6	5	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 25th March — 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. 25th (39)	Weather 13h.–18h. 25th (40)	Weather 18h. 25th to 1h. 26th (41)	Weather 1h.–7h. 26th (42)
London (Kew)	03·2	+6	S	2	ir₀	54	85	48	5	9	7	-	2-3	10	1500	1	•	r₀d₀dfc	cir₀m₀	cm₀	crd₀cm₀
Croydon	03·7	+4	SSE	1	c/pr	54	85	49	6	9	6	-	9	10	5000	0	•	cfr₀m₀c	ccpr₀	cpr₀m₀	cm₀
S. Farnborough	03·1	+10	SSW	2	c	52	85	46	7	5	7	-	Tr	10	1800	1	•	ofrdcm₀c	cpr₀c	ccm₀	cm₀id₀m₀
Boscombe Down	03·2	+10	S'E	2	c/r	49	92	47	6	5	7	-	2-3	9+	2500	1	•	pr₀d₀fid₀	cid₀m₀cir₀	crm₀od₀fom₀	om₀om
Thorney Island	03·3	+6	-	0	z₀	50	92	47	6	5	7	-	9	10	1500	1	•	cir₀c	cir₀cm₀	cm₀id₀m	cm₀om
Lympne	04·6	+6	WSW	1	c	53	85	49	8	5	9	-	7-8	9	2500	1	§	cbcc	cbcc	bccm₀r₀	crmr₀
Manston	04·4	+6	-	0	t	55	75	49	8	9	9	3	2-3	9	5000	1	•	ir₀bcv	bbcc	bcm₀cpr₀	cm₀ir₀
Shoeburyness	04·4	+10	SSW	2	id₀	53	85	48	8	5	7	-	7-8	9	2500	1	•	cr₀r₀m₀bc	bcidoc	cir₀c	cir₀m
Felixstowe	04·6	+6	SE	1	c/pr	48	97	47	5	8	7	-	4-6	9+	5700	1	2	cr₀r₀m₀bc	bccpr₀cm₀	cpr₀m₀cm₀	cir₀cm
Gorleston	04·8	+4	S'E	2	bc	48	85	41	7	2	7	-	2-3	4-6	2500	0	3	or₀bc	bc	cim₀	cpr₀
Mildenhall	03·3	+6	SSE	3	c	56	75	47	7	5	6	-	4-6	9+	4500	1	•	cr₀r₀m₀,bc	c	ccr₀r₀m₀	cir₀m₀of₀
Cranwell	02·8	+6	S'W	3	z₀	51	92	49	6	5	7	-	4-6	9	3000	1	•	ormfr₀d₀m	or₀r₀cmrf	cm₀cmd₀of	ofr₀
Birmingham	02·9	+2	NNE	1	of	47	97	47	2	5	-	-	10	10	450	1	•	forrm	ormf	off	foz
Upper Heyford	02·0	+8	SSW	2	c/jp	49	92	47	6	9	-	-	4-6	10	1000	1	•	orrmd₀d₀m	omcd₀d₀m	m₀id₀dd₀m	ofcm
Ross-on-Wye	02·8	+10	NW	2	ir₀	48	97	47	4	-	2	-	10	10	600	1	•	rrm	rr₀m₀	r₀mof	omcc
Hartland Point	03·1	+14	NNE	2	c	47	97	47	5	5	2	-	9	10	200	1	3	fr₀r₀r₀	r₀r₀c	om₀bcc	cm₀
Bristol	02·8	+10	+	0	rf	48	97	47	2	-	2	-	10	10	800	2	•	crrmr₀r₀m	cr₀mcirf	d₀d₀fFf	cd₀facfom
Portland Bill	02·6	+6	S	2	f	49	92	47	2	-	-	-	10	10	150	1	4	orfc	off	o	c
Plymouth	02·8	+10	NW	2	f₀f₀	50	92	48	6	5	7	-	7-8	10	1500	1	1	crrr₀r₀m₀	cr₀r₀m₀	cm₀	cm₀
The Lizard	03·4	+12	SW	3	pr	49	92	47	6	5	-	-	10	10	800	1	3	ocz	czpr₀	ocz	cz
Scilly (St. Mary's)	04·1	+10	NNW	3	z₀	49	92	47	5	5	-	-	10	10	1000	1	3	c	c	cbc	cbcc
Guernsey																					
Pembroke	03·1	+4	N'W	3	z₀	47	92	45	6	8	-	-	10	10	2000	1	3	crrm₀cm₀	cm₀	cm₀	cm₀c
Holyhead (Valley)	05·0	+6	NNE	1	id₀	47	85	43	6	5	-	-	10	10	2000	1	4	cir₀m₀	oir₀m₀	com₀	ocm₀b,c
Chester (Sealand)	04·4	+2	NE	1	rf	47	92	45	2	6	2	-	7-8	10	1200	1	•	cm₀r₀r₀	cm₀rrf	cr₀r₀a ff	cmm₀
Manchester	03·4	+2	NNE	3	f₀f₀	46	92	44	4	5	2	-	4-6	10	1500	1	•	cr₀r₀m₀	cr₀r₀m	cmir₀	mr₀r₀
Spurn Head	03·2	-2	ESE	2	z₀	46	92	44	6	7	-	-	9+	9+	1500	1	3	or₀r₀m₀	cm₀	cm₀id₀	om
Catterick (Sc)	05·1	-4	NE	4	rf	44	97	44	3	5	2	-	9	10	300	1	•	cmr₀r₀m	crrmcf	cir₀m	cir₀mcir₀
Tynemouth	07·2	-4	NE	4	rr	44	97	44	6	-	2	-	10	10	900	1	4	com₀	opr₀r	orrff	oir₀ff
St. Abbs Head	10·0	+4	NNE	3	r₀r₀	41	97	41	6	5	-	-	10	10	1000	1	3	com₀	om₀r₀o	om₀rr	om₀rrF
Leuchars	11·0	-2	ENE	3	c/r	43	92	41	6	5	-	-	4-6	10	700	0	•	cm₀	cm₀ir₀m₀	r₀m₀rrm	rrm₀c
Renfrew (Abbots I.)	10·5	+4	ENE	2	z₀	45	85	40	6	5	-	-	10	10	2000	1	•	cm₀	cm₀ccm₀	cm₀d₀	cmrrcr₀r₀
Eskdalemuir	08·3	+2	NE	4	id₀	41	92	39	6	5	-	-	10	10	900	0	•	ocm₀	coid₀		oid₀r₀m₀
Point of Ayre	06·0	-2	E'N	5	c	46	85	42	7	5	7	-	4-6	10	4000	0	5	c	c	c	cid₀c
Tiree	10·5	-2	NNE	2	c-bc	47	97	46	8	5	3	-	7-8	7-8	4000	0	2	c	c	cbcbbc	bcbm₀
Stornoway	11·6	-6	E	5	z₀	45	92	43	6	-	3	6	0	7-8	-	0	3	c	bcm₀cm₀	cbccm₀	bcm₀bc
Dalwhinnie		-2	NE	3	o	40	85	35	6	5	-	-	10	10	1500	0	•	o	o	•	opr₀prs
Aberdeen	13·1	-8	ENE	4	c/r	42	85	37	6	5	7	-	7-8	10	1500	0	3	ccz₀	cz₀ir₀	cz₀pr	orrr₀m₀
Wick	15·3	-4	ESE	4	c	43	75	36	7	5	2	-	9	10	1500	0	•	c	c	c	cr₀r₀m₀
Sumburgh	16·8	-10	E'N	3	c	44	97	43	8	5	1	8	2-3	9+	4000	0	2	bc	c	cc	c
Blacksod Point	09·3	+6	NE	4	b-bc	49	85	44	7	5	4	-	2-3	2-3	2500	0	3	bc	bc	b	b
Malin Head	09·3	+2	NNE	3	bc	47	85	42	8	5	-	-	4-6	4-6	1500	0	3	c	c	b	bc
Aldergrove	08·4	+8	ENE	4	z₀	45	85	40	6	5	2	-	9	10	2500	1	•	cm₀	cm₀	cm₀	cm₀F
Birr Castle	06·9	+6	NE	1	c-bc	52	75	44	8	5	1	-	4-6	7-8	2500	1	•	c	c	b	f
Valentia Obsy.	07·4	+10	NNE	4	b	54	75	46	7	1	-	-	Tr	Tr	2500	1	3	bc	b	b	f
Roches Point	06·3	+14	N	3	bc	53	85	48	7	5	4	-	4-6	4-6	2500	1	5	d	bc	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th March 1943

Districts	Forecast
1 S.E. England; 2 E. England	north to northwest wind backing southwest by tomorrow; dull with very low cloud and mist and some further occasional rain today; becoming fair to fine tonight with morning fog; rather cold today, milder tomorrow.
3 E. Midlands	Moderate north west wind, falling light, variable; cloudy at first, becoming fine, fog by morning; rather cold day milder tomorrow.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light north west winds backing slowly southwest; fair to fine, some local fog toward morning, cloud increasing tomorrow; rather mild.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	As 3.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	light northwest to variable wind; fair to fine; rather mild by day
14 Mid Scotland; 15 N.E. Scotland	Wind between east and north, light to moderate; dull rainy especially in the north, improving slowly tomorrow; some coastal fog likely
16 Orkneys and Shetlands	rather cold.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light variable winds becoming southwest, light to moderate; mainly fine, becoming cloudy with rain spreading from the west tomorrow morning; rather mild.

GENERAL INFERENCE

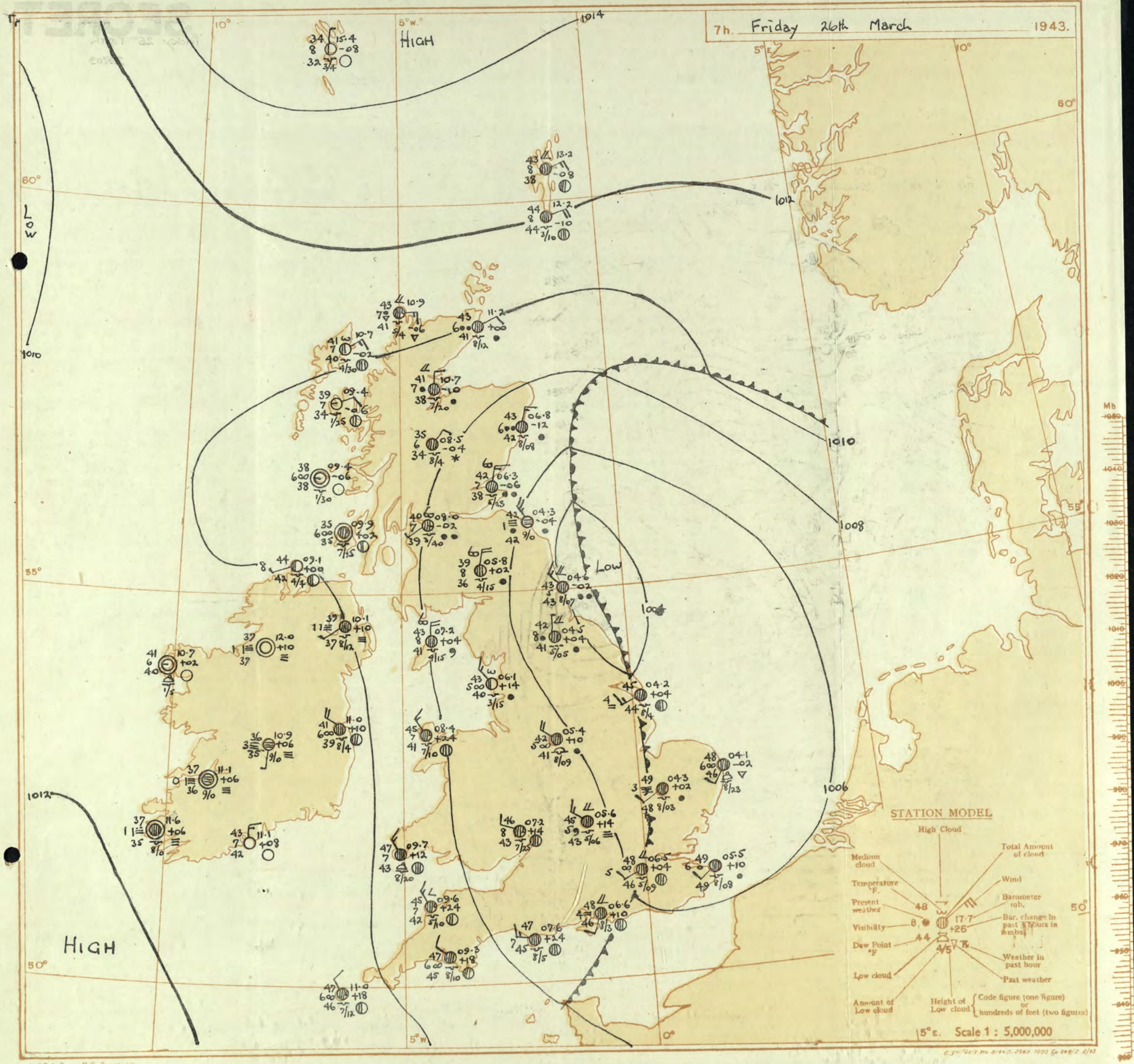
A shallow depression off Northeast England will slowly fill up and an associated trough over our eastern districts will move away eastwards to be followed by a ridge of high pressure from the west. An elongated trough of low pressure on the North Atlantic is approaching the British Isles. After some further rain in eastern districts at first an interval of fair to fine weather will spread to most districts. Fog will occur later tonight

FURTHER OUTLOOK

Cloudy conditions with some rain spreading across Great Britain. Becoming milder generally, some fog on the Southwest coasts

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

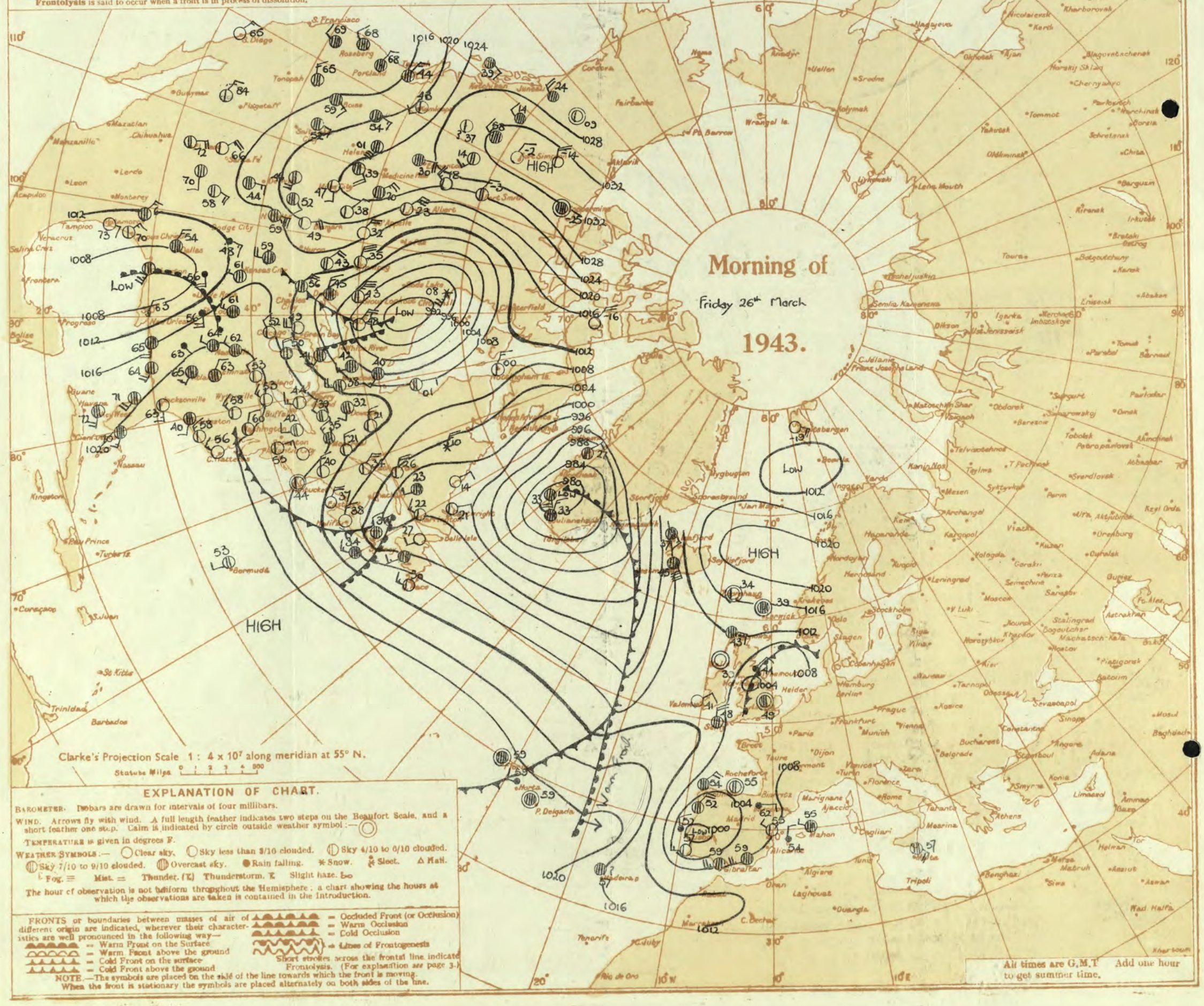
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Friday 26th March 1943

No. 29709

OBSERVATIONS at 1 hr. G.M.T. 26th March

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	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	06·1	+2	–	0	z0	49	97	47	5	5	4	-	7-8	7-8	5000
	S. Farnborough	226	05·0	-2	SW	2	z0	49	97	48	5	5	7	-	9+	10	1700
	Boscombe Down	417	05·6	+6	W	1	z0	47	97	46	5	5	-	-	10	10	500
	Thorney Island	10	05·6	+4	S	1	cf+	49	97	48	2	5	-	-	7-8	10	800
	Lympne	283	05·2	+6	SSE	2	r0r0	50	97	49	5	5	2	-	7-8	10	2500
	Manston	154	05·5	+2	S	2	ir0	50	92	48	6	5	7	-	7-8	10	5000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04·8	+2	–	0	z0	47	97	46	5	5	7	-	4-6	7-8	4000
	Gorleston	5	05·3	0	NE'N	1	z0	46	92	43	6	8	-	-	10	10	1500
	Mildenhall	15	04·7	-2	SW'S	2	ir0	50	97	49	6	5	-	-	10	10	2600
	Cranwell	203	04·1	0	W	2	f	48	97	48	2	-	-	-	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·2	-2	S'W	1	f	47	97	47	3	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·5	+12	NNW	2	c	46	97	46	7	5	1	-	4-6	9+	800
	Bristol	209	05·9	+8	W'S	2	df	46	97	46	2	5	-	-	10	10	200
	Portland Bill	32	04·7	+4	SE	2	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth	82	06·8	+10	NW	2	z0	47	97	46	5	5	7	8	4-6	9	1500
	The Lizard	240	06·8	+8	N	3	z0	47	85	45	6	5	-	-	9+	9+	1000
	Scilly (St. Mary's)	163	08·6	+16	N'W	4	c-bc	48	92	46	5	5	-	-	7-8	7-8	800
	Guernsey	175															
6	Pembroke	142	07·0	+10	NNW	4	z0	46	92	44	6	8	-	-	10	10	1500
7	Holyhead (Valley)	32	06·7	+6	NNE	2	z0	45	85	41	6	5	-	-	10	10	1400
	Chester (Sealand)	16	05·1	+2	NW	1	c	45	92	43	4	5	2	-	9+	10	600
8	Manchester	235	04·8	+2	W'S	2	ir0	44	97	44	4	5	-	-	10	10	1000
10	Spurn Head	29	04·3	-2	S'E	2	id0	45	97	44	5	5	2	-	4-6	10	1500
	Catterick (Sc)	192	04·4	-6	N	2	ir0	43	97	43	4	6	2	-	9	10	300
	Tynemouth	108	05·8	-8	NE	2	it	44	97	44	3	-	2	-	10	10	800
11	St. Abbs Head	280	06·5	-20	N	4	tt	41	97	41	6	5	-	-	10	10	800
	Leuchars	36	08·9	-14	NE	2	tt	41	92	39	5	6	2	-	7-8	10	1000
12	Renfrew (Abbots I.)	19	09·3	-14	NE'N	1	tt	40	97	39	4	-	2	-	10	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	06·8	0	NE'N	6	c	45	86	40	8	•	7	•	0	9+	•
13A	Tiree	44	10·3	-2	ENE	2	bc	42	97	42	7	5	-	-	4-6	4-6	4000
13B	Stornoway	15	11·8	-6	E	3	z0	43	97	42	6	5	-	-	10	10	5000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·6	-14	NE	2	tt	41	97	41	5	-	2	-	10	10	600
	Wick	114	13·2	-16	E	3	c	43	75	36	7	5	2	-	2-3	10	1500
16	Sumburgh	19	15·2	-6	E'N	3	c	43	92	41	8	-	7	-	0	10	-
17	Blacksod Point	18	11·0	+2	–	0	b	41	92	39	7	-	-	-	0	0	-
18	Malin Head	84	09·7	-2	–	0	b	39	92	37	7	-	-	-	0	0	-
	Aldergrove	268	09·7	+2	NE	1	z0	43	85	40	6	5	-	-	9+	9+	1000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·5	0	NE	1	z0	41	97	40	6	-	-	-	0	0	-
	Roches Point	22	10·1	+14	N	3	b	45	97	44	7	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 26th March

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)	05·9	+8	WSW	2	c/d	48	92	47	5	5	3	-	4-6	10	1500	1	*
Croydon	06·5	+4	WSW	2	z0	48	92	46	5	5	2	-	7-8	10	900	1	*
S. Farnborough	06·0	+10	WNW	2	z0	47	97	46	4	5	-	-	10	10	500	1	*
Boscombe Down	07·5	+14	W'N	2	m	46	97	45	4	5	-	-	10	10	400	1	*
Thorney Island	06·6	+10	SSW	2	m	48	92	46	4	-	2	-	10	10	800	1	*
Lympne	04·7	-2	WSW	2	t0t0	47	97	47	5	5	2	-	9	10	300	1	3
Manston	05·5	+10	WSW	2	ir0	49	97	49	6	5	-	-	10	10	800	0	*
Shoeburyness	05·6	+4	SW	2	ir0	49	92	47	4	5	7	-	7-8	10	1500	1	*
Felixstowe	04·6	+6	SWS	2	z0	48	97	48	5	5	-	-	10	10	1600	1	1
Gorleston	04·1	-2	SW	2	z0	48	92	46	6	8	-	-	10	10	2300	1	3
Mildenhall	04·3	+2	WSW	2	df	49	97	48	3	5	-	-	10	10	300	1	*
Cranwell	04·5	+6	NW	1	*F	45	97	45	1	-	-	-	10	10	<150	1	*
Birmingham	02·3	+6	WNW	4	z0	43	92	41	5	6	-	-	10	10	800	1	3
Upper Heyford	05·6	+14	NW	3	id0	45	97	43	5	5	2	-	7-8	10	600	1	*
Ross-on-Wye	07·2	+14	WNW	2	c	46	85	43	8	5	-	-	9+	9+	2500	1	*
Hartland Point	09·6	+24	NNW	3	c	45	92	42	7	5	1	-	7-8	9+	1000	1	3
Bristol	07·8	+14	WNW	3	z0	45	97	45	5	5	-	-	10	10	1500	2	*
Portland Bill	07·6	+24	W	3	o	47	92	45	7	5	-	-	10	10	2500	1	4
Plymouth	09·3	+18	NW	2	z0	47	92	45	6	5	-	-	10	10	1000	1	1
The Lizard	09·4	+16	NW	3	z0	46	92	44	5	5	-	-	9+	9+	1500	0	3
Scilly (St. Mary's)	11·0	+8	NNW	2	z0	47	96	46	6	5	-	-	9+	9+	1200	1	3
Guernsey																	
Pembroke	09·7	+12	NNW	3	c	47	85	43	7	8	-	-	10	10	2000	1	3
Holyhead (Valley)	08·4	+24	NNW	3	c	45	85	41	7	5	-	-	9+	9+	1000	1	2
Chester (Sealand)	06·4	+14	NW	4	c	44	85	40	6	5	-	-	9+	9+	1500	1	*
Manchester	06·0	+12	W	3	m	43	97	42	4	5	-	-	10	10	1000	1	*
Spurn Head	04·2	+4	W'S	3	m	45	97	44	4	5	-	-	10	10	1500	1	3
Catterick (Sc)	04·5	+4	N	1	ir0	42	92	41	8	6	2	-	7-8	10	500	1	*
Tynemouth	04·6	-2	NNW	3	c/f	43	97	43	5	-	2	-	10	10	700	1	3
St. Abbs Head	04·3	-4	NNW	5	+F	42	97	42	1	-	-	-	10	10	<1500	1	4
Leuchars	06·3	-6	NNE	3	c/r	42	85	38	7	5	7	-	7-8	10	2300	1	*
Renfrew (Abbots I.)	08·0	-2	WSW	1	c/r	40	97	39	7	5	7	-	2-3	9	4000	1	*
Eskdalemuir	05·8	+2	N'E	4	c-bc	39	92	36	8	5	7	-	4-6	7-8	1500	1	*
Point of Ayre	07·2	+	N	4	c	43	92	41	8	5	7	-	4-6	10	1500	0	3
Tiree	09·4	-6	–	0	z0	38	97	38	6	5	-	-	Tr	Tr	3000	0	2
Stornoway	10·7	-2	ENE	3	bc	41	97	40	7	5	3	-	4-6	4-6	3000	0	3
Dalwhinnie	08·5	-4	NE	2	o	35	97	34	6	5	-	-	10	10	1500	1	*
Aberdeen †	06·8	-12	N'E	3	t0t0	43	97	42	6	5	-	-	10	10	800	1	2
Wick	11·2	0	ENE	2	t0t0	43	92	41	6	5	-	-	10	10	1200	1	*
Sumburgh	12·2	-10	ENE	4	c	44	97	44	8	5	-	-	2-3	10	1000	0	2
Blacksod Point	10·7	+2	–	0	b	41	97	40	6	8	-	-	Tr	Tr	2500	0	1
Malin Head	09·1	0	W'S	1	bc	44	92	42	8	5	-	-	4-6	4-6	1500	1	0
Aldergrove	10·1	+10	W'S	1	cF+	39	97	37	1	5	-	-	10	10	1200	1	*
Birr Castle	10·9	+6	S	1	f	36	97	35	3	-	-	-	10	10	<150	1	*
Valentia Obsy.	11·6	+6	–	0	oF+	37	92	35	1	5	-	-	10	10	<150	1	1
Roches Point	11·1	+8	N	3	b	43	97	42	7	-	-	-	0	0	-	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)	Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	57	48	43	1	Tr	0·6
Croydon	59	47	43	0·4	Tr	2·4
S. Farnborough	56	47	44	1	0·1	1·3
Boscombe Down	51	46	46	2	0·3	0·0
Thorney Island	53	35	32	3	–	*
Lympne	58	47	45	–	3	5·4
Manston	59	48	46	Tr	6	6·2
Shoeburyness	58	45	40	0·1	0·1	4·8
Felixstowe	54	46	43	0·6	1	3·7
Gorleston	50	46	42	–	0·4	6·3
Mildenhall	60	48	47	3	1	1·9
Cranwell	43	45	44	6	0·1	0·0
Birmingham	47	43	43	7	–	0·0
Upper Heyford	49	44	44	7	0·2	*
Ross-on-Wye	48	46	44	12	0·6	0·0
Hartland Point	48	45	44	5	–	0·0
Bristol	49	45	44	10	0·5	0·0
Portland Bill	49	44	*	0·2	–	*
Plymouth	51	46	41	5	0·2	0·0
The Lizard	53	45	*	Tr	–	0·2
Scilly (St. Mary's)	51	46	*	–	–	0·0
Guernsey						
Pembroke	49	45	*	2	–	0·0
Holyhead (Valley)	49	41	36	Tr	0·2	*
Chester (Sealand)	48	44	43	7	1	0·0
Manchester	47	42	42	3	3	*
Spurn Head	46	44	*	4	3	0·0
Catterick (Sc)	44	41	35	3	6	0·0
Tynemouth	45	43	42	5	8	*
St. Abbs Head	42	40	*	3	17	*
Leuchars	45	40	39	Tr	11	0·0
Renfrew (Abbots I.)	48	39	38	–	9	0·0
Eskdalemuir	44	38	35	Tr	3	0·0
Point of Ayre	48	43	*	–	Tr	0·4
Tiree	51	36	28	–	–	0·4
Stornoway	49	39	33	–	–	2·7
Dalwhinnie	45	33	32	–	7	0·0
Aberdeen †	45	41	39	Tr	10	0·0
Wick	46	41	41	–	1	*
Sumburgh	47	43	31	–	–	5·7
Blacksod Point	53	49	*	–	–	*
Malin Head	48	37		–	Tr	1·0
Aldergrove	48	38	29	–	–	0·1
Birr Castle	54	32	27	–	–	1·3
Valentia Obsy.	57	36	30	–	Tr	7·3
Roches Point	55	42	*	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 25th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 26th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	57	02857	10427	07	02790	10427	07	02790	08428	62	62645	08468
115	57	02844	41627				52	02845	41688	52	81745	08387
203										-4	01890	08314
206	52	02746	08328	4-	22758	08368	52	62747	06168	52	61757	32268
210	5-	05658	07228	5-	51644	07358	5-	62648	06368	52	22646	03368
219	57	61865	10268	57	61874	07268	51	02764	04267	00	01790	06211
230	07	05890	08227	5-	05768	00028	50	05661	04122	50	01862	01112
245	5-	02748	05528	5-	02738	06568	52	62643	02368	52	62646	31368
260	5-	05648	08328	5-	62537	04468	5-	64526	04368	52	05634	31328
278	57	61865	32228	5-	05668	05468	5-	22757	32467	5-	02844	26324
279	52	05647	06628	52	61645	06428	5-	62558	02468			
285	5-	08428	04428	62	63525	06468				5-	51628	20458
288	52	63435	02468	02	67348	03368	02	67328	26168	62	08425	25228
575	5-	05675	06226	5-	05675	06125	00	08490	00000			
301	5-	62648	06268	62	62655	02468	5-	62448	31268	53	05543	31364
321	02	62528	02468	02	57218	02268	--	57109	00049	02	67348	26168
[illegible]	5-	05518	06468	5-	05538	08258	5-	05648	16228	--	48009	22149
292	52	62636	04368	02	52638	02368	02	52518	30358	56	52642	39167
310	--	57209	04559	--	57209	04459				--	57149	24349
614	02	62448	03368	02	62338	01168	02	47228	30148	62	67334	22168

III	13h. G.M.T. 25th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 26th March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	62	62564	02268	52	62466	04368	5-	05536	32468	5-	05648	30368
334	--	52437	32258							--	02756	24127
340	62	64445	02168	02	62448	32168	02	57358	30258	52	02746	28228
136	5-	02748	18368	88	25645	12385	5-	02768	10388	5-	51328	24168
330	62	62626	04368	--	57209	04359						
350	7-	21734	16358	57	02745	18368	57	61645	17128	5-	67318	27368
368	62	62545	06268	5-	22548	06268	53	05544	00067	5-	05545	24315
379	02	52308	06268	02	52418	22148	02	45208	24248	02	08428	26258
390	8-	05665	18325	5-	05556	14228	5-	05564	16168	5-	61437	22268
382	52	51437	12168	57	51744	16358	5-	54438	00058	5-	41428	28328
438	87	02754	20417	87	02864	08216	5-	02747	22217	--	46109	22449
430	5-	60637	16368	57	05644	00027	--	48209	14149	53	08435	24227
409	5-	52508	30268	52	22626	30268	5-	05638	01358	52	05636	31328

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th March. 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	fod0dfc	cil0m0	cid0m0
Croydon	cfl0m0c	ccpl0	cpl0m0
Greenwich	c	c	cr0ogr0m
Camden Square	o	c	*
Kensington	obc	bco	*
Hampstead	ofr	bcp	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·4 Time 7h 25th. Min. 0·1 Time 10-15h 25th.

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	57	48	43	1	Tr	0·6	*	*
Croydon	59	47	43	0·4	Tr	2·4	*	*
Greenwich	59	48	41	–	0·5	2·7	75	92
Westminster	57	47	46	0·5			72	91
Regents Park	56	48	46	Tr	Tr		75	93
Camden Square	57	48	46	–	–	*	*	88
Kensington	55	48	46	Tr	0·2		79	89
Hampstead	57	45	43	Tr	Tr		*	91

BRITISH SECTION

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

SECRET

Saturday 27th March 1943.

No. 29710

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

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)	09·3	+16	NW	4	z₀	51	65	40	6	S	–	–	9+	9+	1500
	Croydon ...	09·9	+18	WNW	4	z₀	49	75	42	6	S	–	–	10	10	1200
	S. Farnborough	09·2	+10	NW	4	c	51	65	40	8	S	–	–	9+	9+	900
	Boscombe Down	10·2	+14	NW'W	4	c-bc	52	65	42	7	8	–	–	4-6	7-8	2500
	Thorney Island	09·6	+14	NW'W	3	c	53	75	44	8	S	–	–	2-3	9+	1500
	Lympne ...	08·5	+14	W'N	2	z₀	51	85	45	5	S	–	–	2-3	2-3	3000
	Manston ...	07·7	+14	WNW	3	m/f	48	92	45	4	S	–	–	10	10	2500
2	Shoeburyness ...	08·3	+20	WNW	4	z₀	52	75	44	5	S	–	–	9+	9+	2500
	Felixstowe ...	06·8	+14	W	4	c/d	48	92	46	5	S	1	–	9+	10	1800
	Gorleston ...	06·0	+16	WNW	3	r₀r₀	48	92	45	5	6	–	–	10	10	1300
	Mildenhall ...	07·0	+14	W	4	z₀	49	85	45	6	S	–	–	10	10	1400
	Cranwell ...	06·8	+14	NW	3	z₀	47	85	41	6	S	–	–	4-6	10	1000
3	Birmingham ...	09·1	+10	WNW	4	z₀	49	65	37	6	7	–	–	7-8	7-8	2500
	Upper Heyford	08·3	+10	NW	4	c	48	75	41	7	8	–	–	9	9	1500
4	Ross-on-Wye	09·6	+10	W'N	4	bc	54	65	42	8	1	–	–	4-6	4-6	3500
5	Hartland Point	11·7	+6	NNW	3	b-bc	50	85	46	7	1	–	–	2-3	2-3	2500
	Bristol ...	10·1	+10	NW'W	4	c-bc	55	65	43	8	8	–	–	7-8	7-8	2300
	Portland Bill ...	10·1	+8	W	3	bc	51	92	49	7	2	–	–	4-6	4-6	4000
	Plymouth ...	12·2	+10	N	3	b	54	75	45	7	5	–	–	1	1	2500
	The Lizard ...	12·4	+16	NW	2	z₀	53	85	47	6	7	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	13·5	+10	WNW	2	z₀	54	75	47	6	8	–	–	9	9	1200
	Guernsey ...															
6	Pembroke ...	12·1	+8	W	2	z₀	49	85	45	7	2	2	–	7-8	10	2000
7	Holyhead (Valley)	10·3	−6	NW	4	c	48	75	41	7	5	–	–	10	10	2000
	Chester (Sealand)	09·1	+14	NW	4	c	48	75	41	8	8	–	–	9	9	2500
8	Manchester ...	08·3	+6	NW'W	5	c	46	85	41	7	5	–	–	10	10	900
10	Spurn Head ...	06·0	+16	NW'W	5	c	45	92	42	7	5	2	–	4-6	10	1500
	Catterick (Sc) ...	06·1	+10	NW	4	c	45	85	42	7	5	–	–	7-8	10	1800
	Tynemouth ...	05·9	+10	NNW	3	z₀	45	85	42	6	–	2	–	10	10	900
11	St. Abbs Head	06·0	+6	NW	3	df	42	97	42	1	–	–	–	10	10	<150
	Leuchars ...	06·8	+2	NW	1	c	48	85	43	8	5	7	–	4-6	9	3000
12	Renfrew (Abbots I.)	08·0	−2	WNW	1	c-bc	53	65	43	8	7	–	–	7-8	7-8	2500
	Eskdalemuir ...	07·2	+2	N'E	2	c-bc	46	75	38	7	5	–	–	7-8	7-8	1800
	Point of Ayre ...	08·8	+6	NW	5	b	51	75	43	8	–	–	–	0	0	–
13A	Tiree	09·1	−6	NNW	1	bc	50	85	45	7	1	–	–	4-6	4-6	3000
13B	Stornoway ...	08·6	−14	SE	2	bc	48	85	44	8	1	4	–	4-6	4-6	3200
15	Dalwhinnie ...	08·0	0	NNW	2	0	40	85	36	6	5	–	–	10	10	1500
	Aberdeen ...	06·8	+2	N	1	s/r	45	97	44	6	6	7	–	7-8	10	1500
	Wick ...	08·7	−12	NE	3	c/r	45	92	44	6	5	–	–	7-8	10	800
16	Sumburgh ...	10·7	−10	E'S	4	ir₀	44	85	40	8	5	–	–	9	10	2000
17	Blacksod Point	10·7	−6	S'W	3	c	49	85	44	6	5	–	–	10	10	4000
18	Malin Head ...	09·2	−2	W	3	c	48	85	43	7	5	–	7	2-3	9+	1500
	Aldergrove ...	10·1	+6	NW	2	z₀	52	65	39	6	1	–	–	2-3	2-3	2500
19	Birr Castle ...	11·4	−2	N	1	bc	55	65	44	8	–	–	8	0	4-6	–
20	Valentia Obsy.	12·5	0	SW'S	4	c	54	75	46	7	2	3	2	2-3	9+	1500
	Roches Point	12·6	+4	S	2	b-bc	54	85	43	7	–	–	5	0	2-3	–

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

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)	10·4	+10	NNW	2	z₀	53	65	39	6	9	–	–	4-6	4-6	2500	1	*
	Croydon ...	10·4	+4	NW'W	2	bc f	52	65	42	3	4	4	–	4-6	4-6	1800	0	*
	S. Farnborough	10·3	+10	WNW	3	pr	54	55	40	8	8	–	–	9	9	2000	1	*
	Boscombe Down	11·5	+14	WNW	3	z₀	50	75	41	6	–	–	–	0	0	–	0	*
	Thorney Island	10·8	+8	W'N	2	bc	53	65	43	7	2	–	–	4-6	4-6	2500	0	*
	Lympne ...	10·0	+2	W	1	z₀	48	75	41	6	–	–	–	0	0	–	1	§2
	Manston ...	09·8	+14	W'N	1	z₀	47	75	41	6	5	–	–	Tr	Tr	3000	1	*
2	Shoeburyness ...	10·4	+6	WNW	2	bc	49	75	42	6	5	3	–	2-3	4-6	2500	1	*
	Felixstowe ...	08·7	+8	W	4	z₀	48	85	43	6	5	3	–	2-3	9+	3500	1	4
	Gorleston ...	07·8	+12	NW'W	3	z₀	47	85	42	6	5	–	–	10	10	1000	1	2
	Mildenhall ...	09·0	+14	W'N	4	z₀	48	85	42	6	5	–	–	10	10	2500	1	*
	Cranwell ...	08·6	+12	W	4	z₀	46	85	41	6	5	–	–	10	10	2500	0	*
3	Birmingham ...	01·3	+10	NW	3	z₀	48	65	37	6	7	–	1	2-3	2-3	2500	1	*
	Upper Heyford	09·9	+18	NW	3	b-bc	49	75	41	6	4	–	–	2-3	2-3	4000	0	*
4	Ross-on-Wye	11·5	+12	NNW	3	b	49	65	38	7	5	–	–	Tr	Tr	3500	1	*
5	Hartland Point	12·6	+4	WSW	3	z₀	49	92	47	6	–	–	4	0	Tr	–	1	3
	Bristol ...	12·0	+10	W	3	b	49	75	43	6	4	4	–	Tr	Tr	4000	1	*
	Portland Bill ...	12·1	+12	W	3	bc	51	92	49	8	1	–	–	4-6	4-6	4000	1	3
	Plymouth ...	13·9	+14	WNW	4	z₀	52	75	46	6	–	–	1	0	Tr	–	1	2
	The Lizard ...	13·9	+8	W	2	z₀	51	85	47	7	4	–	–	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	13·9	+2	W'S	2	z₀	52	85	48	6	5	–	3	1	2-3	1200	1	3
	Guernsey ...																	
6	Pembroke ...	12·4	+2	WSW	1	z₀	48	92	46	6	7	4		2-3	4-6	2500	0	2
7	Holyhead (Valley)	10·9	−2	S	2	z₀	46	85	41	6	5	7	–	2-3	10	2500	1	2
	Chester (Sealand)	10·2	+6	NW	2	c-bc	48	75	42	6	5	4	4	1	7-8	2000	1	*
8	Manchester ...	09·9	+14	W'N	4	z₀	46	85	42	6	2	6	1	4-6	7-8	2500	1	*
10	Spurn Head ...	07·3	+6	WNW	4	z₀	46	85	42	6	5	2	–	4-6	10	1500	0	3
	Catterick (Sc) ...	07·7	+8	NW	2	c	48	85	42	7	5	7	–	9	9+	2200	1	*
	Tynemouth ...	07·4	+6	NNW	3	z₀	47	85	44	6	5	–	–	9+	9+	1600	1	3
11	St. Abbs Head	07·0	+4	–	0	c	44	92	43	7	5	–	–	9+	9+	2600	1	3
	Leuchars ...	06·8	−2	E	2	z₀	46	92	44	6	5	7	–	4-6	10	3000	1	*
12	Renfrew (Abbots I.)	07·5	0	W'S	2	c	50	75	42	8	4	4	7	4-6	10	3500	1	*
	Eskdalemuir ...	07·8	+8	NW'W	2	c	46	65	32	8	5	–	–	9+	9+	2500	0	*
	Point of Ayre ...	09·1	+2	W'N	3	c	48	85	44	8	–	7	8	0	9+	–	0	3
13A	Tiree	07·9	−8	SW'S	2	c	47	92	45	7	–	7	–	0	10	–	0	2
13B	Stornoway ...	06·3	−12	S	3	c	45	92	43	8	1	2	–	Tr	10	3200	0	2
15	Dalwhinnie ...	07·6	−2	–	0	c	42	85	36	7	5	–	8	4-6	9+	2500	1	*
	Aberdeen ...	06·7	−2	NNW	1	c	46	85	43	7	5	7	–	7-8	10	2000	1	1
	Wick ...	07·5	−2	N'W	1	z₀	44	92	41	6	5	–	–	4-6	10	800	1	*
16	Sumburgh ...	08·1	−16	E'S	4	r₀r₀	43	97	42	7	5	–	–	9+	10	2000	1	3
17	Blacksod Point	08·0	−14	S'W	3	r₀r₀	49	92	47	7	6	2	–	4-6	10	1500	1	3
18	Malin Head ...	07·8	−10	W'S	1	s/r	47	75	40	8	5	2	–	2-3	10	1500	0	1
	Aldergrove ...	09·2	−6	W	2	c	51	65	39	7	–	7	–	0	9+	–	1	*
19	Birr Castle ...	10·0	−6	WNW	1	c	54	75	47	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	11·7	−6	SW'S	4	r₀r₀	51	92	49	6	5	2	–	7-8	10	1500	1	3
	Roches Point	11·4	−2	SSW	3	c	53	92	51	7	5	7	–	4-6	9	2500	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 26th (39)	13h.—18h. 26th (40)	18h. 26th—1h. 27th (41)	1h.—7h. 27th (42)
1	London (Kew)	d₀ i d₀ c z₀	c b c z₀	b m₀ x m₀ c i r₀ r₀ m₀	
	Croydon ...	c m d₀ d₀ c m₀	c z₀ b c z	b f b c m₀	b c c i r₀
	S. Farnborough	c m₀ i d₀ r₀ c	c b c c p r₀ y	c b c c	c m c m₀ r₀ d₀
	Boscombe Down	o m o m₀ c	b c y b z₀	b z₀ b c c m₀	c m₀ w c r r m₀
	Thorney Island	o m c m₀ c	c b c	b c m₀ c m₀	c m₀ c r₀ m r
	Lympne ...	c m₀ r₀ m	b c₀ c m₀	c b m₀ w m	b m w c m₀
	Manston ...	c m₀ r₀ i r₀	c b c m₀	c b c m₀	b c m₀ m
2	Shoeburyness ...	c r₀ m	c m₀ c	b c m₀	b c m₀ c m
	Felixstowe ...	c i r₀ d₀ d₀ m₀	c m₀	c m₀ b m₀	c m₀
	Gorleston ...	c d₀ r₀ r₀	o c m₀	c m₀ b c₀	b c₀ c z₀
	Mildenhall ...	c d₀ d₀ m₀, c m₀	c m₀	b c m₀ b m₀	c m c i r m₀
	Cranwell ...	f r₀ r₀ c m₀	c m₀	b m₀ b c m₀ c m r₀ r₀	
3	Birmingham ...	o z c	c b c z	b c z	b c r r₀
	Upper Heyford	c m₀ i d₀ c	c b c b	b z₀ b c m₀	c m₀ f r₀ r₀
4	Ross-on-Wye	c b c c	b c b	b c c	c r₀ c
5	Hartland Point	c b c	b c b z₀	b b c c z₀	i r₀ r r c
	Bristol ...	c m₀ c b c c	c b c y b	b z₀ b m₀ c m	c m c r₀ r₀
	Portland Bill ...	c b c	b c	b c c	o r₀
	Plymouth ...	c m₀ c b c b	b b z₀	b c c m₀	c d d r r m₀
	The Lizard ...	c b c z	b b c z₀	c z₀ w	r r d f
	Scilly (St. Mary's)	c	c b c	b c c w	d f d f r
	Guernsey ...				
6	Pembroke ...	c m₀	b c m₀	b c m₀ w e r r	c r r f c q
7	Holyhead (Valley)	c	c b c z₀	c r₀ r₀ m₀	o r m₀ b c
	Chester (Sealand)	c m₀	c	b c z₀ m₀ c m	c m r r i d₀
8	Manchester ...	c m m₀ c	c c z₀	b m c m	m r₀ r₀ m
10	Spurn Head ...	c	c m₀	c m₀ b c	c m₀
	Catterick (Sc) ...	c	c	b c m₀ c m₀	c m₀
	Tynemouth ...	o i r₀ m₀	o c m₀	c b c m₀	o m₀ i r₀ c
11	St. Abbs Head	o r f₀	o f r c	c b c	b c o r c b c
	Leuchars ...	c m₀ i r₀ c	c c m₀	c m₀	c m₀ i r₀ m c m
12	Renfrew (Abbots I.)	c c m₀ b c c	c	c m₀ i r₀ r₀ r₀	r₀ d₀ d₀ b c
	Eskdalemuir ...	c	c b c c	c	c r₀ b c
	Point of Ayre ...	c b c b	b b c c	i r₀	b
13A	Tiree	b c	b c c	c o r₀ c	c b c
13B	Stornoway ...	c b c c b c	b c c	c r₀ r₀	c r₀ r₀ c b c
15	Dalwhinnie ...	o i d₀	o c	*	c o p r b c
	Aberdeen ...	o r₀ r i r₀ c	c m₀ c	c b c c z₀	c e i r₀ z₀
	Wick ...	c r₀ r₀ i r₀ c	c i r₀ c	c m₀	r₀ c r₀ r₀ m₀
16	Sumburgh ...	c r₀ r₀	c r₀ r₀	c r₀ r₀ d₀ d₀	d₀ d₀ c
17	Blacksod Point	c	r	b	p r
18	Malin Head ...	b c	r	r	p r
	Aldergrove ...	b z₀	c	c m₀ r₀ r₀	b c
19	Birr Castle ...	f	c	*	r
20	Valentia Obsy.	f	p r	b	p r
	Roches Point	b	b c	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 27th March 1943.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate southwest wind, veering west to northwest; overcast with some rain or drizzle at first, becoming fine: mainly rather mild by day.
4 W. Midlands 5 S.W. England 6 South Wales	Moderate northeast winds falling light; a few scattered coastal showers at first, otherwise fair or fine; rather cold at first, milder by day to-morrow.
7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate northwest to west wind; bright periods, some showers possibly of hail locally at first; mainly fine to-morrow; rather cold to-day, somewhat milder to-morrow.
10 N.E. England 11 S.E. Scotland	As 4-6
12 S.W. Scotland & Isle of Man	As 7-9
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh westerly winds, strong locally at times on the northern coasts; showers, with hail locally; bright periods; rather cold.
16 Orkneys and Shetlands	As 13A-15
17 N. W. Ireland 18 N. E. Ireland	As 7-9
19 S. E. Ireland 20 S. W. Ireland	As 4-6

GENERAL INFERENCE

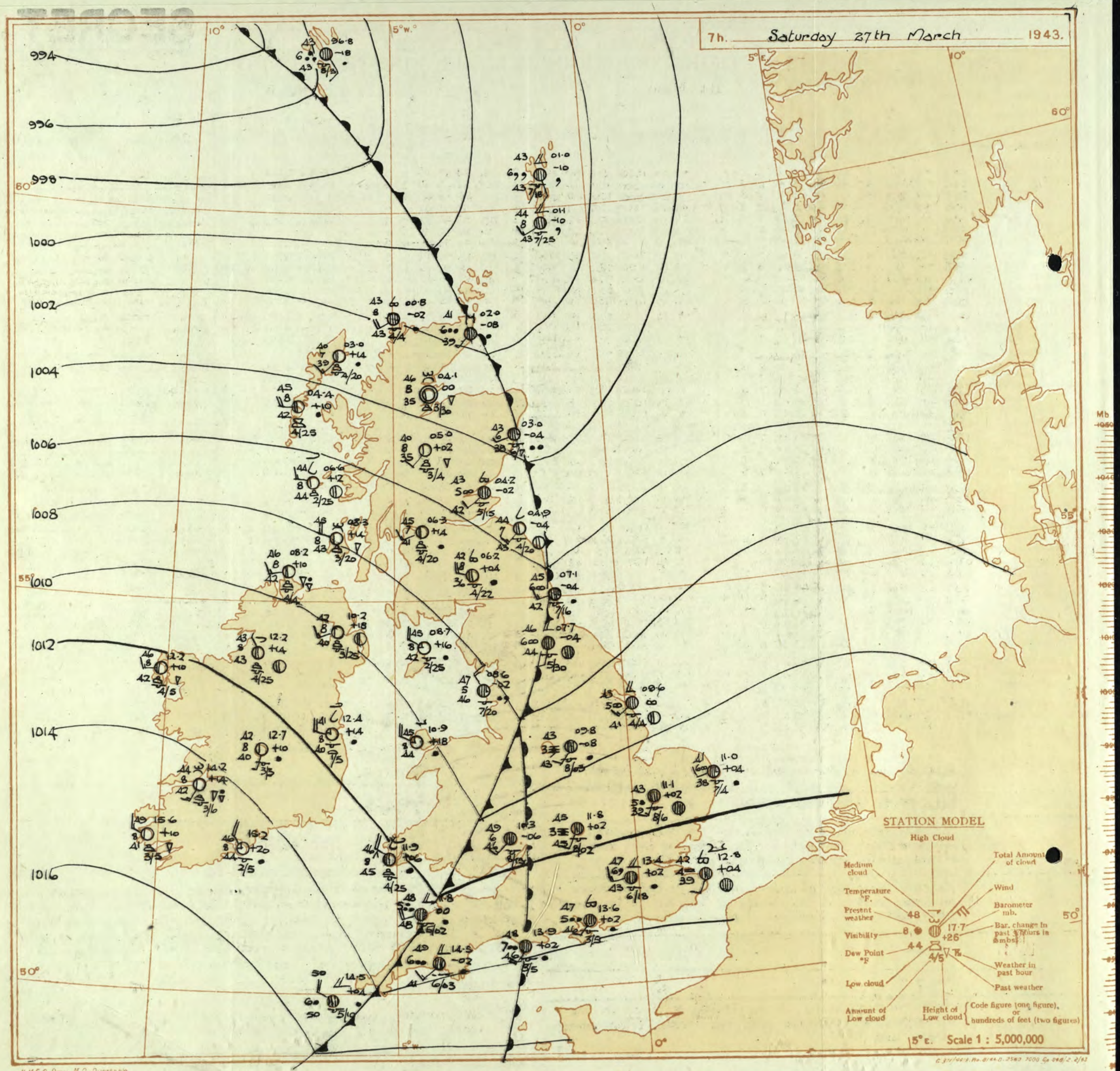
A trough of low pressure is moving east-southeast over the southeastern half of England and behind it an anticyclone in the Azores area is spreading up northeastwards. Following some rain this afternoon in South and Southeast England weather will become mainly fine in the southern half of the British Isles. In the northern half of the country there will be showers and bright periods, and the showers will be of hail locally at first.

FURTHER OUTLOOK

Rain spreading over the northwestern half of the British Isles; mainly fair in the South and Southeast.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

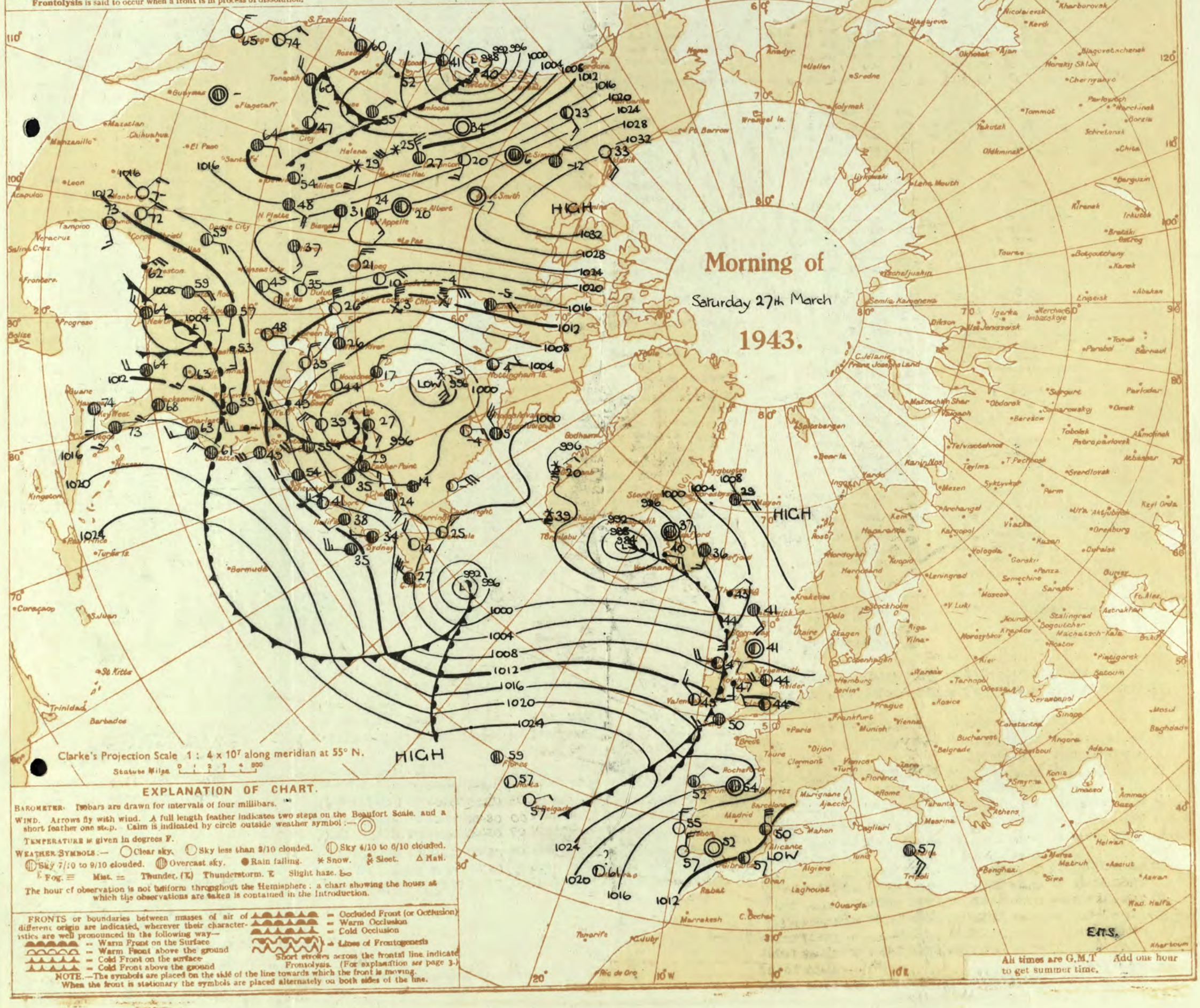
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Saturday 27th March 1943

No. 29710

OBSERVATIONS at 1 hr. G.M.T. 27th March

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)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	290	13·2	+6	W	2	bc	44	85	39	6	-	-	5	0	4-6	-
	S. Farnborough	226	13·1	+6	W'S	2	Z_0	42	92	39	6	5	5	·	Tr	9	4000
	Boscombe Down	417	13·6	+2	W'S	2	m	44	97	43	4	6	-	·	7-8	7-8	600
	Thorney Island	10	13·5	+6	W'S	1	Z_0	45	92	43	6	5	1	-	Tr	10	4000
	Lympne	283	13·0	+10	SW	1	m	39	97	39	4	-	-	·	0	0	-
	Manston	154	12·3	+6	W'S	1	Z_0	41	85	37	5	5	-	·	7-8	7-8	4100
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	11·3	+6	W	4	Z_0	45	85	40	5	-	-	·	0	0	-
	Gorleston	5	10·4	+16	WNW	2	Z_0	43	85	39	6	5	-	-	4-6	4-6	800
	Mildenhall	15	11·2	+14	W'S	3	Z_0	39	92	36	6	-	4	·	0	2-3	-
	Cranwell	203	10·5	+2	W'S	3	m	40	92	38	4	-	3	2	0	9	-
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·9	0	W'N	1	Z_0	40	92	38	6	-	5	-	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·7	-2	W	4	c	48	97	46	6	5	1	-	7-8	9+	800
	Bristol	209	13·5	-2	W'S	2	m	47	85	43	4	5	-	-	10	10	700
	Portland Bill	32	14·3	+6	SW	3	c	48	92	46	7	5	-	·	10	10	2500
	Plymouth	82	14·9	0	SW	3	Z_0	49	97	47	5	5	-	·	7-8	10	800
	The Lizard	240	14·7	+2	WNW	3	Z_0	49	97	49	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	14·9	+2	WSW	3	c	50	97	50	6	5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	12·0	-6	WSW	4	++	49	97	49	6	8	-	·	9+	9+	1500
7	Holyhead (Valley)	32	09·7	-10	S	3	t_0t_0	47	97	47	5	5	-	·	10	10	600
	Chester (Sealand)	16	10·2	-6	-	0	m	46	85	40	4	5	2	-	4-6	10	2500
8	Manchester	235	11·0	-2	SSE	3	Z_0	42	85	38	5	5	-	·	10	10	3000
10	Spurn Head	29	09·7	+4	W	4	bc	44	85	40	7	7	-	-	4-6	4-6	1500
	Catterick (Sc)	192	08·9	0	WSW	1	Z_0	40	97	40	5	-	7	-	0	10	-
	Tynemouth	108	07·8	0	NW	2	Z_0	44	85	40	5	2	3	-	4-6	4-6	1500
11	St. Abbs Head	280	06·4	-6	WSW	3	bc	44	75	47	7	5	-	-	4-6	4-6	2500
	Leuchars	36	05·9	-6	-	0	Z_0	41	92	39	6	5	-	3	1	9	3000
12	Renfrew (Abbots I.)	19	06·6	-10	SSW	2	r_0r_0	45	97	43	5	6	2	-	9	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·3	-6	SW'W	2	ir_0	47	92	44	7	8	2	-	4-6	10	2000
13A	Tiree	44	04·4	-14	S'W	3	c/r	46	97	46	7	5	-	-	10	10	2000
13B	Stornoway	15	02·6	-14	S	5	t_0t_0	44	97	44	7	-	2	·	10	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	04·8	-18	-	0	bc	41	97	39	6	-	7	-	0	4-6	-
	Wick	114	04·7	-18	-	0	Z_0	41	97	40	6	5	2	-	4-6	10	1500
16	Sumburgh	19	04·1	-20	SSE	4	d_0d_0	43	97	43	6	5	2	-	9+	10	1000
17	Blacksod Point	18	10·8	+10	WNW	3	b	47	85	43	8	5	-	-	1	1	2500
18	Malin Head	84	06·5	+6	WNW	4	bc	47	85	43	8	6	-	·	4-6	4-6	1500
	Aldergrove	268	07·6	-16	SSW	3	c/+	47	85	44	5	5	-	-	10	10	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·1	+14	NW'N	3	b-	49	92	47	7	1	-	1	1	1	2500
	Roches Point	22	12·2	-2	NW	5	ir	49	97	48	7	6	2	-	4-6	9+	4000

OBSERVATIONS at 7 hr. G.M.T. 27th March

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)	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)	12·6	+2	SW	2	r_0r_0	46	92	44	5	5	-	-	10	10	1500	1	*
	Croydon	13·4	+2	WSW	3	id_0	47	85	43	6	5	2	-	9	10	1800	0	*
	S. Farnborough	12·9	+2	W'S	3	d+	46	92	44	5	5	-	-	10	10	1500	1	*
	Boscombe Down	13·4	0	SW	3	++	46	92	45	4	5	·	-	10	10	500	1	*
	Thorney Island	13·6	+2	SW	2	r_0r_0	47	92	46	5	5	7	·	2-3	10	2500	1	*
	Lympne	13·4	+6	WSW	2	Z_0	43	92	41	5	=	7	-	0	10	·	1	§2
	Manston	12·8	+4	SW	2	m	42	92	39	4	-	7	7	0	10	-	1	*
2	Shoeburyness	12·8	+2	WSW	2	m	45	85	41	4	5	-	·	10	10	1500	1	*
	Felixstowe	12·0	+6	SW	3	Z_0	43	92	41	5	-	7	-	0	10	-	P	
	Gorleston	11·0	+4	WSW	2	Z_0	41	85	38	6	5	-	·	9+	9+	1500	0	2
	Mildenhall	11·1	+2	SW'S	3	ir_0	43	85	39	5	5	-	-	10	10	4000	1	*
	Cranwell	09·8	-2	SW'W	3	r_0r_0	43	92	42	5	5	7	-	2-3	10	2500	1	*
3	Birmingham	10·2	-4	SSW	3	df	45	97	45	3	6	-	·	10	10	800	1	*
	Upper Heyford	11·8	+2	SW'S	2	r_0r_0	45	97	45	3	5	-	-	10	10	200	1	*
4	Ross-on-Wye	10·3	-6	SW	3	c	49	85	46	6	5	-	-	10	10	1500	1	*
5	Hartland Point	11·8	0	WSW	4	++	48	97	48	5	5	2	-	7-8	10	200	1	4
	Bristol	12·9	0	W'S	3	c/+	48	97	47	6	6	2	·	10	10	500	1	*
	Portland Bill	13·9	+2	SW	4	t_0t_0	48	97	46	7	5	-	·	10	10	2500	1	3
	Plymouth	14·5	-2	SW	3	t_0t_0	49	85	41	6	6	2	-	9	10	300	1	2
	The Lizard	13·5	-6	WSW	4	df	50	97	50	2	5	-	-	10	10	400	1	4
	Scilly (St. Mary's)	14·5	+4	NW'W	4	ir_0	50	97	50	6	5	2	-	7-8	10	1000	1	4
	Guernsey																	
6	Pembroke	11·9	+6	NW	4	c-bc/q	46	92	45	8	8	4	1	4-6	7-8	2500	1	3
7	Holyhead (Valley)	10·9	+18	WNW	4	b	45	85	44	8	-	-	8	0	1	-	1	3
	Chester (Sealand)	09·3	+2	NW'N	3	c/r	48	85	46	6	5	3	·	7-8	9+	2500	1	*
8	Manchester	09·4	-2	S	3	df	45	97	45	3	-	2	·	10	10	700	1	*
10	Spurn Head	09·6	0	SW	3	Z_0	43	92	41	5	5	2	-	4-6	10	1500	1	3
	Catterick (Sc)	07·7	-4	SSW	2	Z_0	46	92	44	6	5	2	-	7-8	10	3000		*
	Tynemouth	07·1	-4	WSW	3	Z_0	45	85	42	6	5	-	-	9+	9+	1600	1	3
11	St. Abbs Head	04·9	-4	SW	3	bc	44	92	43	7	5	4	-	4-6	4-6	2000	1	2
	Leuchars	04·2	-2	SW	2	Z_0	43	97	42	5	5	7	-	7-8	10	1500	1	*
12	Renfrew (Abbots I.)	06·3	+14	SW'W	3	bc	45	85	41	7	8	-	-	4-6	4-6	2000	1	*
	Eskdalemuir	06·2	+4	W'N	4	bc	42	75	36	8	5	7	-	4-6	4-6	2200	1	*
	Point of Ayre	08·7	+16	NW'W	4	b	45	85	42	8	5	-	-	1	1	2500	1	3
13A	Tiree	06·6	+12	W'N	3	b-bc	44	97	44	8	2	4	1	1	2-3	2500	1	3
13B	Stornoway	03·0	+14	SW	3	bc	40	97	39	7	8	-	-	4-6	4-6	2000	1	2
15	Dalwhinnie	05·0	+2	SW	2	b-bc	40	85	35	8	8	-	-	2-3	2-3	1500	1	*
	Aberdeen †	03·0	-4	WSW	1	c/r	43	85	38	6	5	-	-	9	9+	5700	1	1
	Wick	02·0	-8	SW	1	r_0r_0	41	92	39	6	-	8	-	0	10	-	1	*
16	Sumburgh	01·1	-10	SW	3	c	44	97	43	8	5	2	-	9+	10	2500	1	2
17	Blacksod Point	12·2	+10	W	3	bc	46	85	42	8	8	-	-	4-6	4-6	2500	1	3
18	Malin Head	08·2	+10	W'S	3	bc/pr	46	85	42	8	8	-	-	4-6	4-6	1500	1	2
	Aldergrove	10·2	+18	SW'W	3	b-bc	42	92	40	8	8	-	-	2-3	2-3	2500	1	*
19	Birr Castle	12·7	+10	SSW	1	b-bc	42	92	40	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	15·6	+10	WNW	3	b-bc	49	75	41	8	2	-	-	2-3	2-3	2500	1	3
	Roches Point	15·2	+20	NW	4	b	46	92	44	8	5	-	-	1	1	2500	1	4

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)	Rainfall Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
1	London (Kew)	54	43	27	Tr	Tr	1·7
	Croydon	55	42	35	0·1	Tr	2·8
	S. Farnborough	57	40	32	Tr	0·1	3·1
	Boscombe Down	56	41	39	-	0·5	4·9
	Thorney Island	57	44	39	-	Tr	*
	Lympne	51	37	30	0·1	-	1·6
	Manston	51	37	35	0·1	-	0·3
2	Shoeburyness	53	37	30	Tr	-	0·5
	Felixstowe	50	34	33	1	-	0·[illegible]
	Gorleston	50	41	37	1	-	0·0
	Mildenhall	49	38		1		
	Cranwell	47	39	36	1	0·4	0·0
3	Birmingham	51	41	36	-	1	3·9
	Upper Heyford	55	40	·	-	0·3	*
4	Ross-on-Wye	54	44	38	-	0·4	7·2
5	Hartland Point	51	47	46	-	4	7·6
	Bristol	56	45	41	-	1	5·2
	Portland Bill	52	52	*	-	0·5	*
	Plymouth	57	46	42	-	1	8·2
	The Lizard	54	47	*	-	1	5·6
	Scilly (St. Mary's)	54	48	*	-	2	5·7
	Guernsey						
6	Pembroke	50	46	*	-	3	4·7
7	Holyhead (Valley)	52	44	41	-	2	*
	Chester (Sealand)	49	44	36	-	0·5	4·0
8	Manchester	50	40	30	-	2	*
10	Spurn Head	46	42	*	-	-	0·0
	Catterick (Sc)	49	40		Tr		
	Tynemouth	47	42	39	0·2	0·4	*
11	St. Abbs Head	51	42	*	5	Tr	*
	Leuchars	57	40	*	0·3	Tr	*
12	Renfrew (Abbots I.)	56	43	38	-	1	5·0
	Eskdalemuir	52	37	29	-	2	2·9
	Point of Ayre	52	45	*	-	1	5·8
13A	Tiree	51	43	39	-	2	4·8
13B	Stornoway	49	40	34	-	4	3·8
15	Dalwhinnie	45	36	34	0·3	0·6	0·6
	Aberdeen †	46	41	36	2	Tr	0·0
	Wick	46	40	37	2	0·4	*
16	Sumburgh	46	43	39	1	6	0·0
17	Blacksod Point	50	44	*	2	1	*
18	Malin Head	49	45		Tr	2	4·3
	Aldergrove	53	41	35	-	3	3·2
19	Birr Castle	58	41	37	-	1	2·6
20	Valentia Obsy.	56	48	43	0·3	2	2·5
	Roches Point	55	46	*	Tr	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 26th March C_LC_M	wwVhN$_h$	DDFWN	18h. G.M.T. C_LC_M	wwVhN$_h$	DDFWN	01h. G.M.T. 27th March C_LC_M	wwVhN$_h$	DDFWN	07h. G.M.T. C_LC_M	wwVhN$_h$	DDFWN
109	5-	61645	08368	5-	61535	11168	5-	02667	00027	52	62643	18158
115	52	62735	08468	52	02844	12167	52	02844	20228	57	02844	20468
203										84	02845	20326
206				57	02667	00028	52	05655	00028	86	25863	00083
210	53	02644	31258	5-	05658	23128	5-	05668	00028	53	02855	21465
219	7-	02864	06218	52	02864	18328				36	01854	24464
230	20	01863	31225	47	05762	18228	02	62648	00068	33	01853	24363
245				07	02790	14268	50	05553	00013	5-	02857	22267
260	5-	02755	24227	57	05655	28227	52	05655	20227	5-	05653	20327
278	8-	02756	28426	57	02653	26217	5-	62668	18368	83	01854	26324
279	76	02755	07215	54	02761	26126	5-	61578	20468	84	18368	06845
285	-			53	02745	32427				6-	63528	22468
288	62	05635	25268	53	08454	30226	07	08690	18213	52	05645	22268
575	10	05652	32148	52	05664	20128	53	01753	28263	80	01854	28114
301	53	02764	28425	04	05690	24425	52	61552	18228	5-	21557	29367
321	52	05544	28528	57	05545	26328	07	08490	00013	57	08454	18368
[illegible]	5-	08538	24128	5-	05638	28328	00	05690	24200	5-	05537	22328
292	52	02754	28358	57	02745	28327	50	05652	24315	5-	52448	00068
310	--	02628	24428							--	46109	20448
614				53	05644	28326	07	08490	22217	02	47338	20328

III	13h. G.M.T. 26th March C_LC_M	wwVhN$_h$	DDFWN	18h. G.M.T. C_LC_M	wwVhN$_h$	DDFWN	01h. G.M.T. 27th C_LC_M	wwVhN$_h$	DDFWN	07h. G.M.T. C_LC_M	wwVhN$_h$	DDFWN
333	83	05644	28425	53	05663	22213	5-	62428	16368	04	02690	28428
334	--	02644	28315	--	01762	28302				-r	25547	26387
340	5-	02838	28428	53	05653	28114				57	05556	18168
136	52	05533	24368	5-	21658	25458	53	05564	23215	57	61564	22227
330	13	01754	28415	53	01753	28314						
350	5-	02745	28428	06	01790	27414				5-	67338	20168
368	50	01755	26415	00	05590	24310	5-	41548	24348	02	57328	18368
379	5-	02846	26356	20	05642	28422	03	05690	24305	5-	62318	20368
390	5-	05547	26428	40	05652	28422	00	08490	22104	57	41443	22268
382	5-	02857	29327	84	02854	26324	07	05690	00014	02	62438	22268
438	5-	43228	24348	70	01763	23313	04	05590	26313	52	08455	26348
430	5-	05634	28327	50	05644	24225	57	05544	24218	52	67274	20258
409	20	02755	29325	5-	05635	24327	52	05527	22328	02	67108	22368

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th March
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	$d_0id_0cz_0$	$cbcz_0$	bm_0xcir_0
Croydon	$cmd_0d_0cm_0$	cz_0bcz_0	$bf, bcir_0$
Greenwich	omm_0	cbcyb,	$bcir_0m_0$
Camden Square	c	c	*
Kensington	obc	bc	*
Hampstead	bcp	bc	od

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7[illegible]
Max. Time: 0·5 21-22h 26th
Min. Time: <0·1 0-5h 27th

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	54	43	27	Tr	Tr	1·7	*	*
Croydon	55	42	35	0·1	Tr	2·8	*	*
Greenwich	53	42	28	-	Tr	2·0	59	86
Westminster	55	43	35		0·1		62	*
Regents Park	55	43	35	Tr	Tr		53	89
Camden Square	55	43	36	-	-	*	*	92
Kensington	57	42	35	-	0·1		90	90
Hampstead	55	40	34	Tr	Tr		*	95

SECRET

Page 1

BRITISH SECTION

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

Sunday 28th March 1943.

No. 29711

OBSERVATIONS at 13h. G.M.T. 27th March

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12.8	+4	SW'W	2	id.	51	85	47	5	5	-	-	10	10	1500
	Croydon	13.8	+2	W'N	3	id.	52	85	48	6	5	-	-	10	10	1600
	S. Farnborough	12.9	-2	W'N	3	id.	51	85	48	6	5	-	-	10	10	800
	Boscombe Down	13.5	+2	W'N	2	c	54	85	49	8	2	-	1	7-8	9	1800
	Thorney Island	13.7	-2	SW	3	c/r	52	92	49	6	5	-	-	10	10	450
	Lympne	13.2	-6	WSW	2	z.	51	85	47	5	5	2	-	9	10	800
	Manston	12.8	-2	SW'W	3	ir.	51	85	47	5	5	-	-	10	10	1500
2	Shoeburyness	13.3	+4	W'S	3	z.	51	85	47	6	5	-	-	10	10	1500
	Felixstowe	11.6	-6	SW'W	3	z.	53	85	47	5	5	2	-	9	10	1500
	Gorleston	10.7	-4	W'S	3	z.	51	85	45	6	5	-	-	10	10	1800
	Mildenhall	11.3	0	WSW	4	c	54	85	48	7	5	7	-	7-8	10	1200
	Cranwell	10.8	+10	W	4	z.	54	55	39	6	1	-	6	2-3	7-8	2500
3	Birmingham	12.3	+8	WNW	4	c-bc	52	55	37	8	8	-	1	7-8	7-8	4000
	Upper Heyford	11.5	-2	W'N	4	c	57	65	46	7	3	-	6	4-6	9	2100
4	Ross-on-Wye	12.7	+6	W	3	c-bc	55	45	36	8	1	-	6	2-3	7-8	3500
5	Hartland Point	15.4	+8	NW	3	bc	49	92	47	8	2	-	2	2-3	4-6	2000
	Bristol	13.7	+4	NW	4	c-bc	57	55	42	8	1	-	2	2-3	7-8	4000
	Portland Bill	14.8	+6	W	4	c-bc	51	92	49	8	2	4	-	4-6	7-8	4000
	Plymouth	15.5	+8	NNW	4	bc	54	65	43	8	1	-	5	2-3	4-6	2000
	The Lizard	16.0	+14	NW	4	bc	54	75	46	8	2	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	17.4	+10	NW'N	3	c	54	85	49	7	8	4	-	7-8	9+	1800
	Guernsey															
6	Pembroke	15.7	+12	WNW	2	bc	50	85	45	7	2	4	5	2-3	4-6	2500
7	Holyhead (Valley)	13.4	+6	W	3	b-bc	53	75	44	8	7	4	-	2-3	2-3	2500
	Chester (Sealand)	13.0	+22	WNW	3	bc	53	65	40	8	2	-	-	4-6	4-6	2500
8	Manchester	11.7	+8	W'N	5	c-bc	53	65	43	8	2	6	-	4-6	7-8	2000
10	Spurn Head	09.6	+2	W	4	z.	51	85	44	6	5	4	-	4-6	7-8	1500
	Catterick (Sc)	09.2	-6	W	5	cbc	53	65	40	8	8	-	-	7-8	7-8	4000
	Tynemouth	07.7	+6	W	5	b-bc	53	65	42	8	2	-	-	2-3	2-3	2500
11	St. Abbs Head	06.6	+16	WNW	4	bc	51	65	39	7	1	-	-	4-6	4-6	4000
	Leuchars	06.2	+6	WNW	4	cjp	55	55	40	8	8	-	-	9	9	2200
12	Renfrew (Abbots I.)	08.2	+8	W	4	c-bc	52	75	43	9	8	-	-	7-8	7-8	2000
	Eskdalemuir	08.9	+8	WNW	4	c-bc/pr	48	75	43	8	8	7	-	7-8	7-8	2200
	Point of Ayre	11.2	+8	WNW	4	bcjp	56	65	43	8	8	-	-	4-6	4-6	3000
13A	Tiree	07.8	+4	SSE	4	b-bc/pr	48	85	46	8	3	-	-	2-3	2-3	2000
13B	Stornoway	04.5	+14	W	5	c-bcjp	48	85	44	8	3	-	3	7-8	7-8	1500
15	Dalwhinnie	06.0	+4	SW	3	bc	46	75	37	8	5	-	-	4-6	4-6	1500
	Aberdeen	04.9	+12	WNW	3	bc	55	55	39	8	2	-	-	4-6	4-6	3500
	Wick	03.2	+6	W'N	4	pr	50	65	39	9	8	-	-	4-6	4-6	2500
16	Sumburgh	00.7	0	SW'W	4	c/r	45	97	43	8	8	7	-	7-8	9+	2500
17	Blacksod Point	14.7	+14	W'N	4	pr	46	85	42	8	9	-	-	9+	9+	2500
18	Malin Head	09.8	+6	NW'W	5	b-bc	50	65	39	8	2	-	-	2-3	2-3	1500
	Aldergrove	11.3	+2	SE'S	3	bc/pr	49	75	40	9	2	-	3	4-6	4-6	2500
19	Birr Castle	14.4	+6	WNW	3	bc	54	55	39	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	18.1	+8	W	4	pr	50	75	42	9	8	-	-	9+	9+	2500
	Roches Point	16.5	+4	NNW	4	bc/pr	53	75	45	8	3	4	-	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 27th March

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)	13.4	+10	NNW	3	z.	54	55	38	6	5	-	-	7-8	9+	2500	1	*
Croydon	13.9	+2	N'W	3	z.	55	55	39	6	4	-	2	9	9+	2000	1	*
S. Farnborough	13.7	+18	NW	3	c	54	45	35	8	5	7	8	4-6	9+	1800	1	*
Boscombe Down	14.8	+10	WNW	3	c	51	75	42	8	4	-	2	1	9	3000	0	*
Thorney Island	13.8	+4	WNW	3	c	55	55	38	8	5	-	8	Tr	9	2500	1	*
Lympne	13.5	+2	SSW	1	F+	49	97	48	0	-	-	-	10	10	<150	1	§ 3
Manston	13.2	+6	SW'S	3	z.	50	92	48	5	-	3	6	0	9+	-	1	*
Shoeburyness	13.3	0	WNW	3	z.	52	85	48	5	6	2	-	4-6	9+	1500	1	*
Felixstowe	12.5	+6	WNW	3	c/pr	54	75	46	6	8	7	-	7-8	9+	4000	0	3
Gorleston	11.6	+6	NW'W	2	z.	54	65	40	6	5	-	-	7-8	7-8	1500	0	2
Mildenhall	12.7	+14	WNW	3	z.	51	65	41	6	5	4	1	2-3	7-8	4000	1	*
Cranwell	12.4	+12	NW	4	b-bc	51	65	39	7	4	-	1	1	2-3	3000	0	*
Birmingham	13.9	+10	NW	3	bc	51	65	40	7	4	-	-	4-6	4-6	4000	1	*
Upper Heyford	13.2	+6	NNW	3	c	52	65	39	9	8	-	8	7-8	9	2500	0	*
Ross-on-Wye	14.5	+12	W'N	3	b	52	55	36	8	5	8	1	1	1	3500	1	*
Hartland Point	16.3	+4	WNW	3	bc	48	92	46	8	1	4	5	1	4-6	2000	1	3
Bristol	15.2	+10	W'N	3	b-bc	50	85	44	7	1	-	2	1	2-3	4000	1	*
Portland Bill	15.9	+6	W	3	c-bc	50	92	48	8	2	4	-	4-6	7-8	4000	1	3
Plymouth	17.3	+10	NW	3	bc	51	65	41	8	1	-	6	2-3	4-6	2000	1	2
The Lizard	17.9	+16	NW	4	bc	50	85	44	8	2	6	-	2-3	4-6	2500	1	3
Scilly (St. Mary's)	18.6	+10	NW	4	b-bc	51	85	46	8	8	-	4	2-3	2-3	1800	1	4
Guernsey																	
Pembroke	16.2	+4	W'S	5	bcq	49	85	45	8	8	4	1	2-3	4-6	2500	1	3
Holyhead (Valley)	14.1	+6	WSW	2	c-bcjp	49	75	41	9	8	6	-	2-3	7-8	2000	1	2
Chester (Sealand)	13.2	+2	W'N	2	bc	50	75	41	8	8	4	-	4-6	4-6	2500	0	*
Manchester	13.1	+8	W'N	3	b	49	75	39	8	2	-	-	1	1	4000	1	*
Spurn Head	11.2	+10	W'N	4	b-bc	50	65	39	7	2	4	-	2-3	2-3	2500	0	3
Catterick (Sc)	11.0	+10	NW	3	bc	50	75	41	8	8	6	-	2-3	4-6	4000	0	*
Tynemouth	10.0	+4	W	4	bc	50	65	40	7	2	3	-	2-3	4-6	2200	1	3
St. Abbs Head	07.5	+4	W	4	bc	49	75	40	7	2	4	-	2-3	4-6	3500	0	3
Leuchars	07.8	+14	W	3	bc	50	65	39	9	8	6	-	4-6	4-6	3000	0	*
Renfrew (Abbots I.)	09.9	+14	WSW	3	pr	45	85	42	6	9	6	-	7-8	9	2200	1	*
Eskdalemuir	10.2	+8	W	2	bc	46	65	36	8	8	-	-	4-6	4-6	2500	0	*
Point of Ayre	12.1	+4	WNW	2	bc	47	75	40	8	2	6	6	2-3	4-6	2500	0	2
Tiree	09.1	+4	W	4	bc	45	92	43	8	9	6	-	4-6	4-6	2500	1	2
Stornoway	06.1	+12	WSW	4	c/pr	45	92	42	8	3	6	3	7-8	9	1800	1	2
Dalwhinnie	07.5	+12	SW	3	bc	40	85	45	8	5	4	-	4-6	4-6	1500	1	*
Aberdeen	06.7	+12	W'N	3	bcjp	50	65	38	8	8	6	3	4-6	4-6	3000	1	2
Wick	04.6	+6	WNW	3	bc	47	75	39	8	8	-	1	4-6	4-6	2000	0	*
Sumburgh	01.3	+6	W'S	5	b-bc	46	92	44	8	2	6	-	2-3	2-3	2000	1	2
Blacksod Point	15.6	+8	W	5	bc/pr	47	75	40	8	9	3	3	2-3	4-6	2500	1	4
Malin Head	10.7	+6	W'N	3	bc	45	85	41	8	2	-	3	4-6	4-6	1500	1	3
Aldergrove	12.6	+8	W'S	3	bc/pr	48	65	38	9	8	4	3	4-6	4-6	2000	1	*
Birr Castle	15.8	+12	WNW	1	bc	46	65	35	8	8	-	-	4-6	4-6	2500	1	*
Valentia Obsy.	19.7	+12	WNW	4	c-bc	50	75	42	8	3	-	-	7-8	7-8	2500	1	4
Roches Point	18.1	+14	NNW	5	pr	51	75	44	8	3	-	3	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 27th (39)	Weather 13h.—18h. 27th (40)	Weather 18h. 27th to 1h. 28th (41)	Weather 1h.—7h. 28th (42)
London (Kew)	cid.m.	cid.cz.y	bcz.	bcbxm.w
Croydon	cm.d.d.	cm.d.bcm.	cz.cz.bfbc	bcir.bc
S. Farnborough	cr.id.m.	cm.id.ccy	cybcb	bbcwcm.b
Boscombe Down	crcmc	cbcyc	cbcbm.	bm.wbw
Thorney Island	cr.r.cm.	bcm.	b	bcm.bcw
Lympne	cm.id.m.	cm.r.oF	cxFbm	bbcbm.
Manston	cm.ir.	mcm.ir.	bcbm.	bcbm.
Shoeburyness	cmircm.	cm.ir		
Felixstowe	cm.cid.cm.	cm.pr.cz.	bm.	bcm.wbcm.
Gorleston	cz.	cpr.z.	bcbz.	bcz.
Mildenhall	cir.m.	cybc	bcz.b	b.cm.bm.x
Cranwell	cr.r.m.bcz.	bcz.yc	cbcybz.bm.	bm.
Birmingham	obcc	cbcb	rcb	bc
Upper Heyford	ofr.r.cm.	ccy	cvpr.b	bbcbw
Ross-on-Wye	cbcc	bcy	bcb	bw
Hartland Point	cbc	bc	bcb	obc
Bristol	cd.dm.c	cycbc	cpr.m.bm.	bcm.bw
Portland Bill	c	c	bc	bc
Plymouth	cm.bc	bc	bcbm.	bxbcpr.
The Lizard	dfcbc	bc	bbcbw	bbcw
Scilly (St. Mary's)	cr.c	cbc	bcb	bbc
Guernsey				
Pembroke	bc	bcq	bcbq	bcqw
Holyhead (Valley)	bbc	bc	b	b
Chester (Sealand)	cm.cbc	bcyc	bcb	b.c
Manchester	fd.dom	cbc	bm.cm.	bm.pr.c
Spurn Head	cm.	bc	b	bz.
Catterick (Sc)	bc	bc	b	bbcb
Tynemouth	cmbc	bcpbc	bcbm.	bm.bc
St. Abbs Head	bbc	bcpr.	bcb	bc
Leuchars	cm.bccy	cyjpbcy	bcpr.	bcbcx
Renfrew (Abbots I.)	pr.bc	bcprq.cm.pr.	bcpr.	bcpr.bc
Eskdalemuir	bcpr.bc	bcprbcv	bcpr.	bcpr.
Point of Ayre	bbc	pr.bc	bcb	bbcb
Tiree	bcbcpr.bc	bccprcpbbc	bcph.pr.	bcpr
Stornoway	cpr.bcjp	cjpcpr.	cpr.bccpr	bcprbc
Dalwhinnie	bcpr	bcpr	*	bcoprbc
Aberdeen	czbc	cpRbbc	bcpr.bc	bcb
Wick	bcpr.	bcpr.vc	bbcb	bcb
Sumburgh	r.r.c	bbc	bcbbccpr.	bcpr.ph.
Blacksod Point	pr	pr	bc	bc
Malin Head	pr	pr	pr	pr
Aldergrove	bccbc	cpRbcjp	bcpr.bcb	bcpr.bc
Birr Castle	b	bc	*	bc
Valentia Obsy.	pr	pr	pr	bc
Roches Point	pr	pr	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 28th March

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Moderate northwest winds, backing slowly and falling light; rather cloudy in the afternoon in the Midlands and eastern districts but otherwise mainly bright: rather cold with some night frost.
7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate westerly winds, backing slowly southwest, considerable bright periods; a few scattered showers in the afternoon: rather cold, with ground frost at night.
10 N.E. England; 11 S.E. Scotland	Fresh to moderate westerly winds; mainly fine; rather cold; some ground frost at night.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh westerly winds, strong locally on the coast, backing southwest; bright periods; some occasional showers to-day; becoming more cloudy to-morrow with some light rain or drizzle on the Northwest sea-board: rather cold.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Winds backing southwest, light to moderate, but fresh to-morrow on the Northwest coasts; considerable bright periods to-day but with a few scattered showers; becoming cloudy with some drizzle on the Northwest seaboard later; rather cold at first.

GENERAL INFERENCE

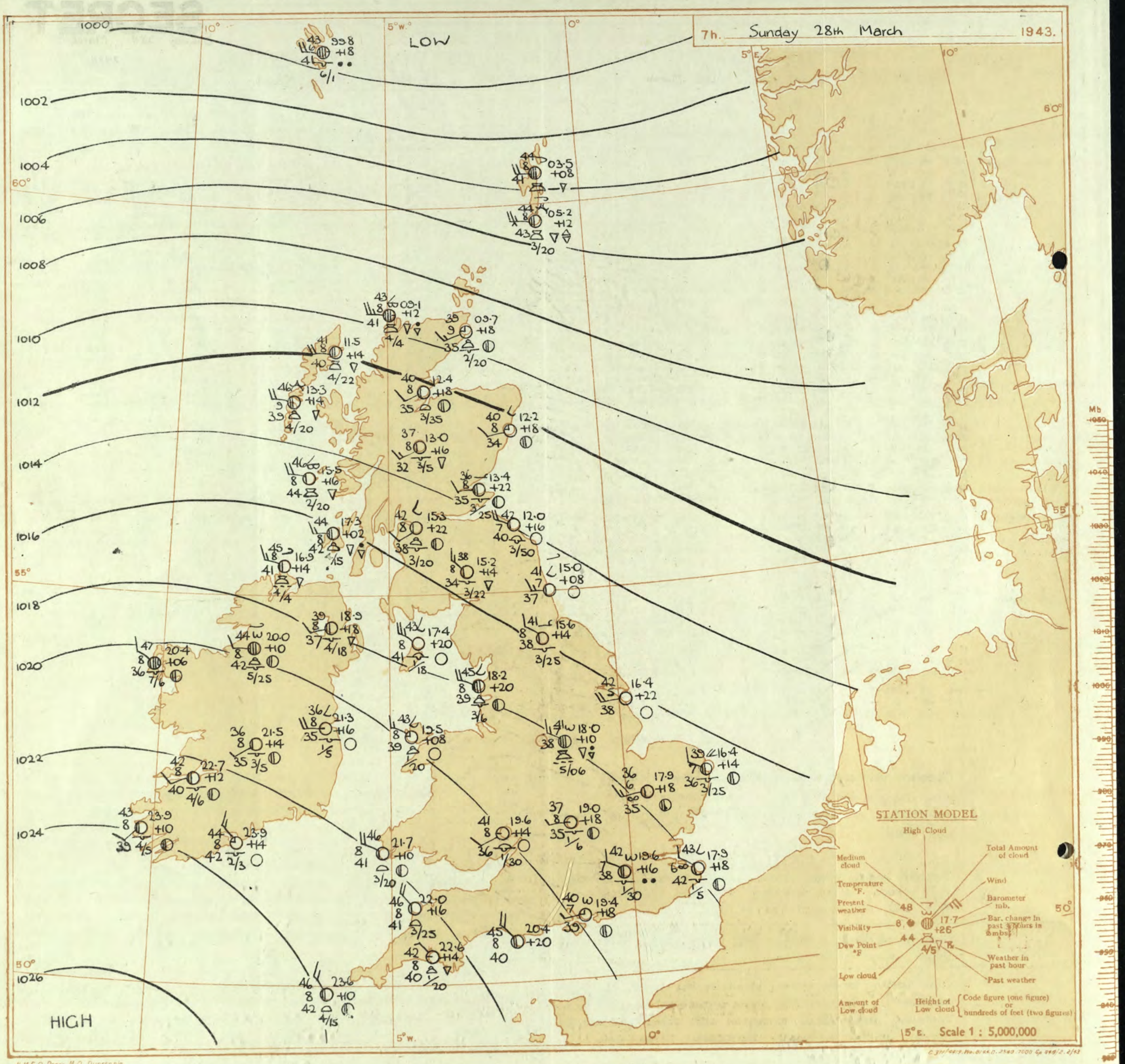
An anticyclone extends from the Azores to off Southwest Britain and is expected to persist. Rather cold northwest winds over the British Isles will be accompanied by some local showers in the northwestern half of the country, but elsewhere weather will be fair to fine.

FURTHER OUTLOOK

Rather unsettled with some rain or drizzle in the northwest half of the British Isles; fair in the South and East, probably for at least two days.

Forecasts issued at 1300.

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



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

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

Explanation of Frontal Lines shown on Charts

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

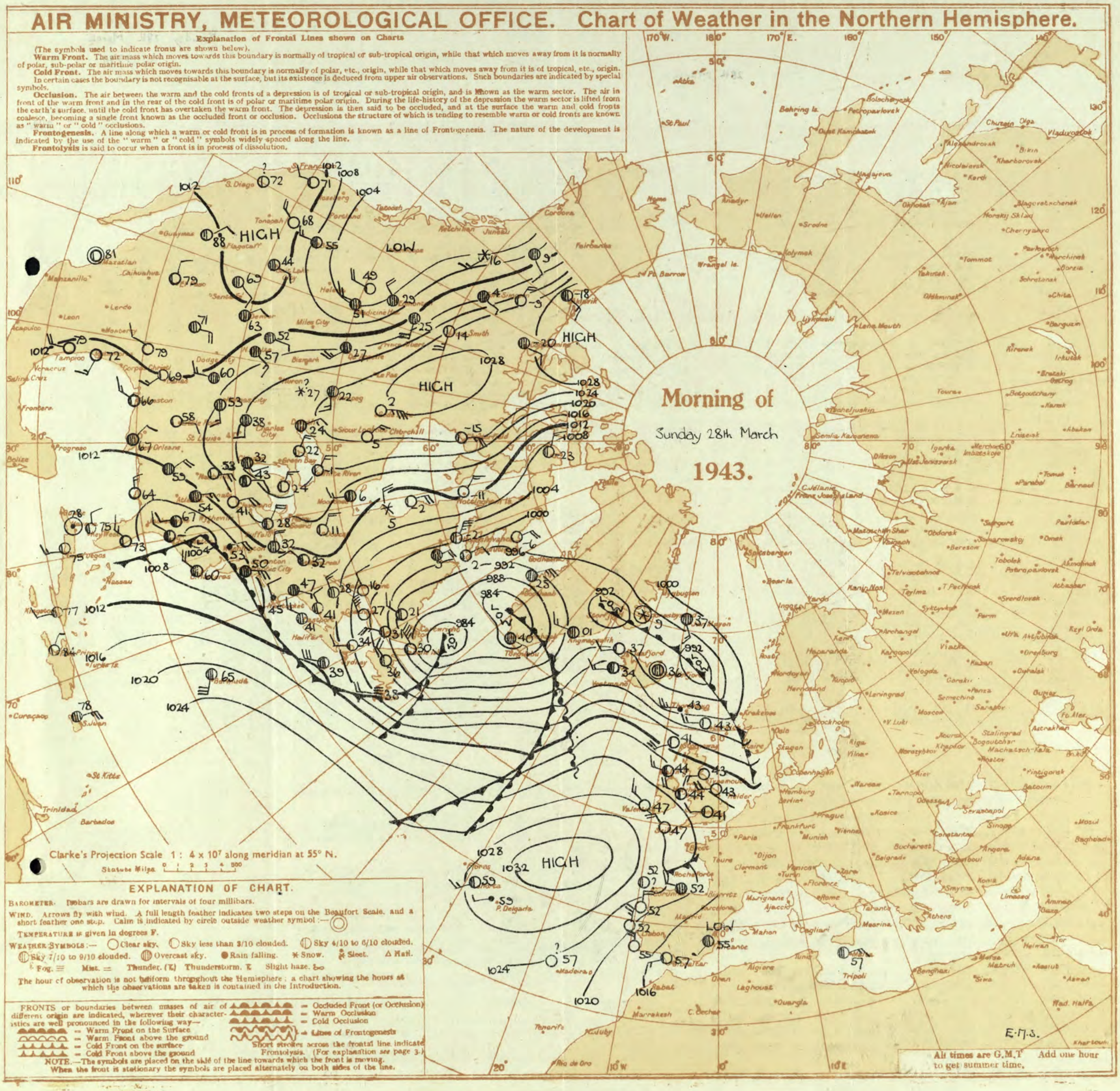
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



Page 4.

BRITISH SECTION

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

Sunday 28th March 1943

No. 29711

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	17·7	+16	W'N	2	b	41	85	37	7	5	-	-	Tr	Tr	3000
	S. Farnborough	226	17·2	+12	W'N	2	b	39	85	34	7	-	4	-	0	Tr	*
	Boscombe Down	417	17·8	+6	NW'W	1	z.	41	92	39	6	-	4	-	0	2-3	*
	Thorney Island	10	17·0	+2	W'S	2	b	41	92	39	7	*	-	-	0	0	*
	Lympne	283	16·2	+12	NW	2	b/f	40	97	39	5	-	4	2	0		-
	Manston	154	15·2	+6	NW'N	2	z.	45	75	39	6	5	-	*	2-3	2-3	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·4	+10	WNW	3	z.	43	85	37	6	-	-	-	0	0	*
	Gorleston	5	13·9	+2	W'N	2	z.	42	75	34	6	-	-	-	0	0	-
	Mildenhall	15	15·6	+10	SW'W	2	b	39	85	35	7	-	4	*	0	1	-
	Cranwell	203	15·0	+4	WNW	3	z.	40	85	37	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·3	+6	W'N	1	b	40	92	37	8	4	-	*	1	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·4	+12	NW	4	b	46	85	42	8	1	-	*	Tr	Tr	4000
	Bristol	209	18·3	+6	NNW	1	z.	44	92	42	6	5	-	-	7-8	7-8	5700
	Portland Bill	32	18·0	+10	W	3	be	47	92	45	8	5	-	-	4-6	4-6	4000
	Plymouth	82	20·3	+10	NW	3	b	45	85	42	6	-	-	-	0	0	-
	The Lizard	240	21·0	+12	NNW	4	b	45	85	42	8	-	-	-	0	*	-
	Scilly (St. Mary's)	163	22·1	+12	NW'N	4	b	47	85	42	8	-	-	-	0	*	-
	Guernsey	175															
6	Pembroke	142	19·4	+8	WNW	5	b	46	85	42	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	17·3	+10	W'N	4	b	44	85	39	8	5	-	*	1	1	4000
	Chester (Sealand)	16	16·0	+10	WNW	2	b	44	85	39	7	5	-	-	1	1	3000
8	Manchester	235	15·5	+6	WSW	3	z.	43	92	40	6	5	-	*	2-3	2-3	4000
10	Spurn Head	29	14·0	+10	W	4	b	43	85	39	7	-	-	*	0	0	-
	Catterick (Sc)	192	13·6	+6	NW	2	b	40	85	36	8	5	-	-	1	1	3000
	Tynemouth	108	12·8	+12	W	3	z.	43	85	38	6	-	-	-	0	0	*
11	St. Abbs Head	280	09·8	+8	W	4	b	41	92	39	7	-	-	-	0	0	*
	Leuchars	36	10·3	+8	WSW	2	be	38	92	35	9	5	-	8	Tr	4-6	3000
12	Renfrew (Abbots I.)	19	12·0	+6	SW'W	1	pr	40	97	39	7	9	-	*	7-8	7-8	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	14·4	+8	NW'W	5	b	44	85	39	8	4	-	*	Tr	Tr	2000
13A	Tiree	44	12·7	+18	WNW	3	pr	43	97	42	8	3	-	-	4-6	4-6	2000
13B	Stornoway	15	09·0	+10	WSW	4	b-bc/pr	41	97	40	8	3	-	*	2-3	2-3	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	09·2	+12	W	2	c/pr	41	92	38	9	5	-	*	9	9	3000
	Wick	114	07·2	+10	WSW	3	b-bc	39	92	35	8	5	-	*	2-3	2-3	2500
16	Sumburgh	19	03·7	+8	W	5	pr	45	85	41	7	3	-	*	7-8	7-8	2000
17	Blacksod Point	18	19·5	+14	WSW	3	b-bc	45	85	41	8	8	-	*	2-3	2-3	2500
18	Malin Head	84	14·4	+14	WNW	3	bc/pr	44	75	37	8	9	-	-	4-6	4-6	1500
	Aldergrove	268	15·9	+10	WSW	3	b	40	85	37	8	4	-	*	1	1	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·1	+2	NW	3	b	47	75	40	8	-	-	*	0	0	-
	Roches Point	22	21·9	+10	NW'N	3	b	46	92	44	8	-	-	-	0	0	-

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

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)	19·2	+24	W	1	z.	41	85	37	6	5	-	*	1	1	4000	1	*
Croydon	19·6	+16	WNW	2	bc/r	42	85	38	7	5	3	-	Tr	4-6	3000	0	*
S. Farnborough	19·8	+18	WNW	2	b	39	92	37	8	-	-	*	0	0	-	1	*
Boscombe Down	20·6	+18	WNW	2	b	38	92	36	8	-	4	*	0	Tr	-	0	*
Thorney Island	19·4	+18	W	1	b	40	92	39	7	-	3	-	0	1	*	0	*
Lympne	18·3	+14	WNW	2	z.	38	92	36	5	-	8	1	0	1	-	1	* §
Manston	17·9	+18	NW'W	2	z.	43	97	42	6	5	4	9	Tr	2-3	2000	1	*
Shoeburyness	18·1	+16	WNW	3	z.	42	85	38	6	5	-	-	7-8	7-8	2500	1	*
Felixstowe	17·9	+18	WNW	3	z.	41	85	38	5	-	3	*	0	4-6	-	0	2
Gorleston	16·4	+14	NW'W	2	be	39	85	36	7	5	2	-	2-3	4-6	2500	0	2
Mildenhall	17·9	+18	W'S	3	z.	36	92	35	6	-	3	-	0	2-3	-	1	*
Cranwell	17·1	+24	W	3	z.	38	92	36	6	5	4	-	1	1	5000	0	*
Birmingham	19·2	+12	W	2	z.	40	85	36	6	8	-	-	4-6	4-6	2500	1	*
Upper Heyford	19·0	+18	W	1	b	37	97	35	8	5	-	-	Tr	Tr	4000	1	*
Ross-on-Wye	19·6	+14	WSW	2	b	41	85	36	8	4	-	-	Tr	Tr	3000	1	*
Hartland Point	22·0	+16	NW	4	b-bc	46	85	41	8	1	-	*	2-3	2-3	2500	1	4
Bristol	21·1	+18	WNW	2	z.	40	92	38	6	5	-	-	Tr	Tr	2500	1	*
Portland Bill	20·4	+20	NW	4	bc	45	85	40	8	5	-	-	4-6	4-6	4000	1	3
Plymouth	22·6	+14	NW'W	1	b	42	92	40	8	2	-	-	Tr	Tr	2000	0	1
The Lizard	23·0	+14	NNW	3	bc	42	92	40	8	1	-	-	4-6	4-6	2500	1	3
Scilly (St. Mary's)	23·6	+10	NW'N	3	bc	46	85	42	8	1	-	*	4-6	4-6	1500	1	4
Guernsey																	
Pembroke	21·7	+10	WNW	4	b-bc	46	85	41	8	1	-	-	2-3	2-3	2000	1	3
Holyhead (Valley)	19·5	+8	W'N	3	b	43	85	39	8	2	4	-	Tr	1	2000	1	2
Chester (Sealand)	18·3	+14	NW	2	bc	43	92	40	7	1	4	*	4-6	4-6	2500	0	*
Manchester	18·0	+14	W	3	z.	43	92	40	6	2	-	*	9	9	2500	1	*
Spurn Head	16·4	+22	W	4	b	42	85	38	5	-	-	-	0	0	*	0	3
Catterick (Sc)	15·6	+14	WNW	2	b-bc	41	85	38	8	5	-	8	2-3	2-3	2500	0	*
Tynemouth	15·0	+8	W	3	b-bc	41	85	37	7	-	4	1	0	2-3	-	1	2
St. Abbs Head	12·0	+16	WNW	4	b-bc	42	92	40	7	4	-	*	2-3	2-3	5000	0	4
Leuchars	13·4	+22	W	2	bc	36	92	35	8	5	-	8	2-3	4-6	2500	0	*
Renfrew (Abbots I.)	15·3	+22	SW'S	2	b-bc	42	85	38	8	8	4	-	2-3	2-3	2000	1	*
Eskdalemuir	15·2	+14	WNW	3	b-bc	38	85	34	8	5	*	*	2-3	2-3	2200	1	*
Point of Ayre	17·4	+20	NW'W	5	b	43	92	41	8	4	4	*	Tr	1	1800	0	4
Tiree	15·5	+16	W'N	4	b-bc	46	92	44	8	3	7	-	1	2-3	2000	1	3
Stornoway	11·5	+14	W	4	bc	41	97	40	8	3	*	-	4-6	4-6	2200	1	2
Dalwhinnie	13·0	+16	SW	3	b-bc	37	85	32	8	5	-	-	2-3	2-3	2500	1	*
Aberdeen †	12·2	+18	W'S	2	b	40	75	34	8	-	4	-	0	1	-	1	2
Wick	09·7	+18	WSW	3	b	39	85	35	9	8	*	*	1	1	2000	1	*
Sumburgh	05·2	+12	W	5	bc/ph	44	92	43	8	3	6	3	2-3	4-6	2000	1	3
Blacksod Point	20·4	+6	W'N	2	c	47	65	36	8	5	-	*	9+	9+	4000	1	2
Malin Head	16·9	+14	W'N	3	bc/pr	45	85	41	8	9	-	1	4-6	4-6	1500	1	3
Aldergrove	18·9	+18	W'S	2	bc	39	92	37	8	5	-	-	4-6	4-6	1800	1	*
Birr Castle	21·5	+14	SW	1	b-bc	36	97	35	8	5	-	*	2-3	2-3	2500	1	*
Valentia Obsy.	23·9	+10	SW'S	2	bc	43	85	39	8	5	-	*	4-6	4-6	2500	1	3
Roches Point	23·9	+14	NW	3	b	44	92	42	8	5	-	*	1	1	800	1	4

PAST 24 HOURS

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	57	40	23	Tr	Tr	1·0
Croydon	57	37	29	0·2	Tr	1·3
S. Farnborough	58	35	23	0·2	Tr	2·2
Boscombe Down	57	36	32	0·5	Tr	4·5
Thorney Island	57	38	29	Tr	Tr	*
Lympne	51	36	32	0·3	0·1	0·0
Manston	54	39	34	Tr	Tr	0·2
Shoeburyness	55	38	20	Tr	-	0·5
Felixstowe	56	34	33	0·1	*	0·5
Gorleston	56	37	33	Tr	-	1·1
Mildenhall	56	35	25	Tr	Tr	1·3
Cranwell	55	37	34	Tr	*	6·2
Birmingham	55	39	32	-	1	3·5
Upper Heyford	57	36	29	Tr	0·1	*
Ross-on-Wye	56	41	32	-	-	7·3
Hartland Point	50	45	43	0·2	-	9·3
Bristol	58	36	30	Tr	Tr	6·3
Portland Bill	51	42	*	1	*	*
Plymouth	55	41	30	0·6	Tr	7·7
The Lizard	55	41	*	0·4	-	9·0
Scilly (St. Mary's)	55	46	*	0·3	-	8·5
Guernsey						
Pembroke	51	45		-	Tr	10·2
Holyhead (Valley)	55	41	33	-	1	*
Chester (Sealand)	54	43	39	*	-	9·0
Manchester	54	41	31	0·2	0·1	*
Spurn Head	53	41	*	-	-	5·9
Catterick (Sc)	55	35		-	-	0·5
Tynemouth	55	40	37	1	-	*
St. Abbs Head	52	40		Tr	-	
Leuchars	56	35	26	-	Tr	9·7
Renfrew (Abbots I.)	53	40	36	1	0·6	7·1
Eskdalemuir	51	34	30	0·4	0·4	7·0
Point of Ayre	56	43	*	Tr	-	8·5
Tiree	51	41	38	1	1	7·5
Stornoway	51	39	38	0·4	2	6·9
Dalwhinnie	48	35	31	2	1	4·6
Aberdeen †	55	39	29	1	2	5·8
Wick	52	36	33	0·4	-	*
Sumburgh	48	43	36	1	2	2·8
Blacksod Point	52	44	*	1	Tr	
Malin Head	50	42		Tr	1	7·3
Aldergrove	54	37	32	1	0·1	7·4
Birr Castle	55	35	27	0·4	*	8·6
Valentia Obsy.	52	43	35	Tr	Tr	9·1
Roches Point	55	43	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 27th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 28th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	86	01854	24524	3-	02854	23424	2-	01753	22413	36	01753	23513
115	34	10944	24525	34	10944	24526	84	81844	24588	37	25844	24586
203							5-	02945	20325	80	01944	20484
206	36	25854	24284	36	10867	24417	51	01863	00024	10	01863	22213
210	20	01864	22424	36	25863	22384	26	02863	22384	53	01862	22314
219	36	25854	24484	33	25854	24485	3-	81857	28487	26	01954	25484
230	23	81954	19314	36	25944	18385	3-	02855	22185	83	25954	24384
245	10	01964	23314	20	01964	24384	26	01962	24213	46	01963	22213
260	2-	02755	24415	80	01853	22423	50	05651	18411	54	05653	22314
278	86	25856	26416	8-	81847	26487	50	01863	25413	96	01854	26414
279	20	02855	22425	26	02864	22524	00	00890	22380	80	01862	22213
285	23	81746	26587	23	01853	26514						
288	10	01854	26414	20	01854	23414	50	01752	21212	50	01861	20201
575	80	01853	28323	80	01854	28304	00	00890	28380	83	02855	24215
301	24	01852	25323	84	01861	24401	40	01761	24401	84	01863	26415
321	20	02754	26424	40	05663	26413	50	08454	26304	44	05663	24114
[illegible]	24	01754	24314	80	02755	26315	00	00690	26200	50	01741	24201
292	10	01954	26414	26	01864	26414	40	01862	24112	20	00751	24111
310	--	01634	24414									
614	20	02754	26327	40	01763	26313	04	05590	24204	13	01853	24314

III	13h. G.M.T. 27th March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 28th March $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	26	02854	24415	84	01954	23314	50	01763	21413	10	01742	28312
334	--	01643	28314									
340	2-	02955	28225	46	02954	28215	50	01853	24113	74	02954	24125
136	53	05554	22315	26	05662	26316	00	05690	23310	53	05673	24224
330	80	01755	28415	40	01754	28414						
350	80	02754	22425	20	02863	27225	00	05690	22100	04	01790	24221
368	5-	02755	24315	40	01763	24414	50	05663	26213	5-	05654	24314
379	20	01744	26465	20	01853	26325	03	01790	26314			
390	5-	02458	22358	53	05564	28225	00	05590	26220	03	05690	26222
382	86	02756	28226	46	02964	29325	40	01762	00012	00	00890	24110
438	--	46009	22449	--	44109	22449	50	05653	32413	50	01754	30314
430	52	51436	22358	50	02743	26126	00	05690	24100	00	00790	25110
409	2-	02755	29427	14	01852	29412	86	02755	30415	20	01854	30314

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

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

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 March
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	cidm	cid.z.cy	bcbxmoW
Croydon	cm,d.d.	cm.d.bc	bf,bcir.bc
Greenwich	cd.	crc	dcbbc
Camden Square	o	c	*
Kensington	odbc	bc	*
Hampstead	odbc	bc	bcor

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0·6, Time 20h. 27th. Min. 0·1, Time 0-5h. 28th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	57	40	23	Tr	Tr	1·0	*	*
Croydon	57	37	29	0·2	Tr	1·3	*	*
Greenwich	56	39	27	Tr	-	1·1	80	67
Westminster	57	39	31	-			77	72
Regents Park								
Camden Square	57	40	32	-	0·3	*	*	97
Kensington	58	39	30	Tr	-		55	68
Hampstead	55	39	31	Tr	0·3		*	72

SECRET

Monday 29th March 1943

Page 1

BRITISH SECTION

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

No. 23712.

OBSERVATIONS at 13h. G.M.T. 28th March

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)	21·3	+6	NNW	4	c	51	55	34	7	8	3	-	9	9+	1500
	Croydon ...	21·6	+2	NNW	3	c	51	55	37	7	2	-	-	9+	9+	2000
	S. Farnborough	21·5	+2	NW'W	3	c-bc	52	55	35	8	7	-	-	7-8	7-8	2500
	Boscombe Down	22·2	+8	NW'W	4	c-bc	52	55	35	8	8	-	-	7-8	7-8	2500
	Thorney Island	21·5	+2	NW'W	4	c-bc	50	55	36	9	8	-	-	7-8	7-8	4000
	Lympne ...	20·2	+6	NW'N	5	c-bc	52	55	37	7	8	-	-	4-6	7-8	3000
	Manston ...	20·1	+10	NW'N	2	bc	51	65	38	8	2	6	-	4-6	4-6	2500
	Shoeburyness ...	20·5	+6	NW	3	c-bc	52	55	36	8	2	-	-	7-8	7-8	2500
	Felixstowe ...	19·7	+10	WNW	3	c	51	65	40	7	8	-	-	9	9	4000
	Gorleston ...	19·3	+14	NW'N	3	c-bc	50	85	45	7	8	-	-	7-8	7-8	2800
	Mildenhall ...	19·7	+6	WNW	4	c-bc	51	65	88	8	8	-	-	2-3	7-8	2500
	Cranwell ...	19·3	+6	NW	5	Z_0	53	86	36	6	8	-	-	7-8	7-8	2000
3	Birmingham ...	21·2	+4	WNW	4	bc	51	55	36	8	7	-	-	4-6	4-6	4000
	Upper Heyford	20·7	-4	NNW	3	bc	51	65	38	9	1	-	-	4-6	4-6	1600
4	Ross-on-Wye	21·5	+10	WNW	3	bc	54	55	37	9	1	-	-	4-6	4-6	3500
5	Hartland Point	24·3	+6	NW	3	b-bc	49	85	45	8	1	-	5	2-3	2-3	3000
	Bristol ...	22·5	+2	NW	4	bc	55	55	40	8	2	-	-	4-6	4-6	4000
	Portland Bill ...	23·1	+4	NW	3	bc	52	75	45	8	2	-	-	4-6	4-6	4000
	Plymouth ...	24·6	+6	WNW	4	b-bc	53	65	42	8	1	-	5	2-3	2-3	2000
	The Lizard ...	25·2	+12	WNW	3	bc	53	65	42	8	2	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	26·2	+6	WNW	2	c	54	75	45	8	7	3	9	4-6	9+	1800
	Guernsey ...															
6	Pembroke ...	24·0	+4	W	2	bc	50	85	44	8	2	4	5	2-3	4-6	3000
7	Holyhead (Valley)	21·8	+6	W	4	bc	53	65	42	8	2	4	5	1	4-6	2000
	Chester (Sealand)	21·1	+10	W	4	c-bc	51	65	40	8	8	-	-	7-8	7-8	3000
8	Manchester ...	20·4	+8	WNW	4	c-bc	51	65	41	8	2	6	-	4-6	7-8	2000
10	Spurn Head ...	18·2	+4	WNW	3	bc	50	65	39	7	2	-	-	4-6	4-6	1700
	Catterick (Sc) ...	17·9	+14	NW	4	bc	53	65	39	8	2	-	-	4-6	4-6	3000
	Tynemouth ...	17·4	+10	WNW	4	bc	53	75	45	8	2	-	-	4-6	4-6	2400
11	St. Abbs Head	14·9	+2	WNW	4	b-bc	49	75	40	7	1	-	-	2-3	2-3	3500
	Leuchars ...	15·4	+4	W'S	3	c-bc	56	55	38	9	8	4	-	4-6	7-8	3500
12	Renfrew (Abbots I.)	16·9	+8	W	4	c-bc	52	75	43	9	8	7	5	2-3	7-8	2000
	Eskdalemuir ...	17·2	+14	W.	3	bc	49	55	32	8	7	-	-	4-6	4-6	2800
	Point of Ayre ...	19·8	+8	WNW	5	b-bc	55	65	43	8	1	6	6	2-3	2-3	2000
13A	Tiree	16·3	+2	WSW	3	c/pr	49	92	47	8	8	-	-	9+	9+	2000
13B	Stornoway ...	12·3	0	SW	5	c/pr	48	85	45	8	8	-	6	4-6	9+	2800
15	Dalwhinnie ...	15·0	+6	WSW	3	c-bc	48	65	36	8	8	4	-	4-6	7-8	2500
	Aberdeen ...	14·0	+6	W'N	3	bc	54	55	36	8	1	-	8	4-6	4-6	3500
	Wick ...	11·7	+8	WSW	4	c-bc/pr	50	65	37	9	8	8	-	7-8	7-8	2500
16	Sumburgh ...	07·0	-10	W	6	bc/pr	47	92	45	8	3	6	3	2-3	4-6	2000
17	Blacksod Point	19·3	-10	SSW	4	c	51	75	44	8	8	-	-	10	10	2500
18	Malin Head ...	17·6	0	WSW	3	pr	50	65	39	8	8	-	-	10	10	2500
	Aldergrove ...	19·0	-2	W'S	3	c	51	65	40	8	8	9	1	7-8	9+	4700
19	Birr Castle ...	21·9	-2	SW	3	c	50	55	35	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	20·9	-30	S'W	5	c	52	65	40	9	1	7	-	1	10	2500
	Roches Point	23·6	-8	WSW	3	c-bc	51	85	48	8	5	-	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 28th March

District	Stations	Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °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)	22·4	+10	NW'N	2	Z_0	52	55	34	6	8	-	6	1	2-3	2500	1	*
	Croydon ...	22·5	+4	NNW	2	Z_0	52	55	38	5	2	-	2	4-6	4-6	2000	0	*
	S. Farnborough	22·4	+10	NW'W	3	bc	53	45	34	8	8	-	5	2-3	4-6	2500	0	*
	Boscombe Down	22·9	+12	W'N	3	bc	50	65	40	8	4	-	2	2-3	4-6	3000	0	*
	Thorney Island	22·9	+14	NW'N	1	bc	53	55	35	9	4	-	2	2-3	4-6	4000	0	*
	Lympne ...	22·1	+14	NW	2	b-bc	47	65	37	7	4	-	-	2-3	2-3	5000	0	2
	Manston ...	21·6	+12	NW'N	2	bc	50	65	39	7	-	7	5	0	4-6	-	0	*
	Shoeburyness ...	21·7	+12	WNW	1	Z_0	50	65	39	6	2	-	1	2-3	2-3	2500	1	*
	Felixstowe ...	20·9	+14	W'N	2	Z_0	52	65	41	6	2	6	-	1	2-3	4000	0	2
	Gorleston ...	19·7	+14	NNW	2	b-bc	47	75	40	7	5	-	-	2-3	2-3	2500	0	2
	Mildenhall ...	20·6	+8	W'N	3	b	51	65	40	7	2	-	1	Tr	1	2500	0	*
	Cranwell ...	21·0	+18	NW	4	b-bc	50	55	36	7	-	4	1	0	2-3	-	0	*
3	Birmingham ...	21·8	+6	WNW	2	bc	51	55	36	7	7	-	6	2-3	4-6	4000	1	*
	Upper Heyford	21·9	+10	NW	2	bc	51	55	37	9	1	-	6	1	4-6	3000	0	*
4	Ross-on-Wye	22·4	+8	NW'W	3	c	53	55	34	9	1	-	2	Tr	9	4000	1	*
5	Hartland Point	24·3	+2	WNW	3	c	47	85	44	8	1	-	6	1	9	2500	0	3
	Bristol ...	23·8	+10	W'N	3	bc	48	85	42	7	4	3	5	1	4-6	4000	1	*
	Portland Bill ...	23·9	+8	NW	3	c-bc	50	85	46	8	2	4	-	4-6	7-8	4000	1	5
	Plymouth ...	20·3	+10	WNW	4	c	51	65	41	8	1	1	7	1	10	2000	0	2
	The Lizard ...	24·9	0	W	4	c	49	85	45	8	8	1	-	9	10	2000	0	3
	Scilly (St. Mary's)	25·1	-6	SW'W	2	c-bc	50	75	42	8	8	2	9	2-3	7-8	1800	0	3
	Guernsey ...																	
6	Pembroke ...	23·7	0	SW'S	3	bc	48	85	44	8	2	4	-	2-3	4-6	3000	0	3
7	Holyhead (Valley)	21·8	-2	SSW	4	c	48	85	44	8	7	7	-	7-8	10	4000	1	2
	Chester (Sealand)	21·6	+4	W'N	2	c	48	75	41	8	5	7	6	2-3	9+	2500	0	*
8	Manchester ...	21·1	+4	W	3	c-bc	50	55	36	7	2	6	6	2-3	7-8	2500	1	*
10	Spurn Head ...	20·0	+10	SSW	2	bc	46	85	41	7	2	6	-	4-6	4-6	2500	0	1
	Catterick (Sc) ...	19·3	+12	W	3	c-bc	49	75	41	8	4	7	6	1	7-8	3000	0	*
	Tynemouth ...	19·1	+8	W	3	bc	51	65	38	7	2	4	1	2-3	4-6	2400	0	2
11	St. Abbs Head	16·1	+10	SW	2	c-bc	48	75	41	7	5	4	-	4-6	7-8	3500	0	3
	Leuchars ...	15·4	+6	WSW	4	c	50	65	39	8	5	1	6	4-6	9+	3500	1	*
12	Renfrew (Abbots I.)	16·8	-4	WSW	3	c	48	75	41	8	5	1	-	7-8	9+	1800	1	*
	Eskdalemuir ...	17·6	+2	WSW	3	c	46	55	31	8	5	1	-	2-3	9	2200	0	*
	Point of Ayre ...	19·3	-4	W	4	c	45	65	39	8	-	4	7	0	9+	-	0	3
13A	Tiree	14·8	-12	SSW	3	c	47	97	46	8	8	1	-	7-8	10	2000	1	3
13B	Stornoway ...	16·3	-12	SW	6	c/r	47	97	45	7	5	2	-	7-8	9+	1800	1	3
15	Dalwhinnie ...	14·6	0	WSW	4	c	44	75	36	8	5	-	7	4-6	10	2500	1	*
	Aberdeen ...	14·1	+2	W	2	Z_0	51	55	34	6	5	-	7	Tr	9+	3500	1	2
	Wick ...	11·3	+2	WSW	3	c	47	65	38	9	8	7	-	4-6	9	2500	0	*
16	Sumburgh ...	08·4	+2	W'S	5	c	46	92	44	8	5	3	-	7-8	9	2000	1	3
17	Blacksod Point	16·4	-18	S'W	5	r_0v_0	48	85	44	7	6	2	-	4-6	10	1500	1	4
18	Malin Head ...	15·7	-10	SW'S	3	c	48	65	37	8	5	2	-	4-6	10	2500	1	3
	Aldergrove ...	18·8	-8	SW'S	3	c	48	65	39	9	5	2	-	7-8	10	3000	1	*
19	Birr Castle ...	19·2	-16	SW	2	c	51	68	40	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	18·0	-28	S'W	6	rr	48	92	46	6	5	2	-	4-6	10	1500	1	4
	Roches Point	21·5	-16	SW'S	3	c	49	92	47	8	5	7	-	4-6	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 28th (39)	Weather. 12h.—18h. 28th (40)	Weather. 18h.—1h. 28th/29th (41)	Weather. 1h.—7h. 29th (42)
1	London (Kew)	bcwcy	cbcz$_0$y	bmwm$_0$x	bbcbm$_0$x
	Croydon ...	bcir$_0$m$_0$c	cbcz$_0$y	bczbm	bmcm$_0$
	S. Farnborough	b,cy	cyxbcy	bcybbcbw	bbcwcbc
	Boscombe Down	bwbccycy	cybcybc	bcbbc	bcm$_0$wcm$_0$
	Thorney Island	bcc	cbcy	bcbm$_0$	bcm$_0$cwf9
	Lympne ...	bm$_0$wz$_0$cy	cybc	bm$_0$	bm$_0$z$_0$cm$_0$
	Manston ...	bbbc	bccbcy	bcbz$_0$	bmcz$_0$
	Shoeburyness ...	cm$_0$bcc	cm$_0$b	bcm$_0$	cm$_0$
	Felixstowe ...	bcc	cybcz$_0$	bm$_0$	bm$_0$wcm$_0$
	Gorleston ...	bcc	bcb	bcbz$_0$	bbccz$_0$
	Mildenhall ...	bm$_0$bcc	ccy byb	bz$_0$bcb	b,cm$_0$w
	Cranwell ...	bm$_0$bcz$_0$y	ccz$_0$yccb	by z$_0$m$_0$	bbccm$_0$c
3	Birmingham ...	bc	bc	bc	bc
	Upper Heyford	bbc	bcbyx	bcyvbcc	cbcf$_0$m$_0$
4	Ross-on-Wye	bbccbc	bcxy	cwbcc	cbcc
5	Hartland Point	bcbbc	bcc	cbc	bccirc
	Bristol ...	bwm$_0$bcy	bcybc	bcbm$_0$wb	wbwccrr$_0$
	Portland Bill ...	cbc	bcc	bcbc	bcc
	Plymouth ...	bc	bbc	cbcbcm$_0$	cr$_0$r$_0$c
	The Lizard ...	bc	cbcc	bcc	ciddd
	Scilly (St. Mary's)	bcc	c	c	cir$_0$
	Guernsey ...				
6	Pembroke ...	bbc	bc	bccq	cpriddd
7	Holyhead (Valley)	bbc	bcc	cbccir$_0$	crrrdm
	Chester (Sealand)	bccbc	bc	cbm$_0$z$_0$	cm$_0$r$_0$r$_0$
8	Manchester ...	cm$_0$bcc	bc	bcycbm$_0$	bm$_0$cir$_0$
10	Spurn Head ...	bc	bc	b	cm$_0$
	Catterick (Sc) ...	bc	bcybc	cbcc	c
	Tynemouth ...	bc	bc	bcm$_0$c	cm$_0$
11	St. Abbs Head	bbc	bcc	bcc	cido
	Leuchars ...	bcxbiy	bycyc	b	cbcc
12	Renfrew (Abbots I.)	bcpr$_0$bc	bcc	cz$_0$cm$_0$ir$_0$	cm$_0$ido
	Eskdalemuir ...	bcyv	bcycy	cbcc	oddm
	Point of Ayre ...	bbc	bcl	bbcc	iroc
13A	Tiree	bcprc	cpr$_0$c	bccprbcm	cirbcir$_0$c
13B	Stornoway ...	bcpr$_0$c	ccir$_0$	cir$_0$	cir$_0$iR
15	Dalwhinnie ...	bcc	cpr$_0$o	*	coprc
	Aberdeen ...	bbcy	bcjpcyz$_0$	cz$_0$	cz$_0$cm$_0$
	Wick ...	bccpr$_0$	cpr$_0$cv	cbcb	bbcc
16	Sumburgh ...	prrbcfr$_0$	bcpr$_0$	bccir$_0$bcc	c
17	Blacksod Point	c	+	r	r
18	Malin Head ...	pr	pr	r	c
	Aldergrove ...	bpcr$_0$bcc	c	cbc	cir$_0$cido
19	Birr Castle ...	c	c	*	r
20	Valentia Obsy.	bc	r	r	bc
	Roches Point	c	c	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 29th March, 1943.

Districts	Forecast
1 S.E. England; 2 E. England ...; 3 E. Midlands ...; 4 W. Midlands	Freshening southwest winds generally; cloudy, local light rain or drizzle at first, with some more general rain in most places later; average seasonal temperatures.
5 S.W. England; 6 South Wales	Fresh southwest winds, veering west strong locally on the coast; dull; some rain and drizzle at times; average seasonal temperatures.
7 North Wales; 8 N.W. England; 9 N. Midlands ...; 10 N.E. England	Fresh to strong southwest to west winds, approaching gale at times on west coasts; cloudy or dull, occasional rain today; fairer temporarily later; rather cold.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland ... ↓; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Strong to gale southwest to west winds; dull with rain at first, then squally showers of rain and hail with brighter intervals; rather cold.
16 Orkneys and Shetlands ↓; 17 N. W. Ireland ↓; 18 N. E. Ireland	As 11-15.
19 S. E. Ireland; 20 S. W. Ireland	As 5-6.

GENERAL INFERENCE

A belt of high pressure extends from the Azores to southward of Britain and a deep depression near southwest Iceland is moving eastnortheast. Weather will be unsettled in most districts with some rain, especially in the northwest half of the British Isles and strong winds and gales will prevail on all northern and northwestern coasts.

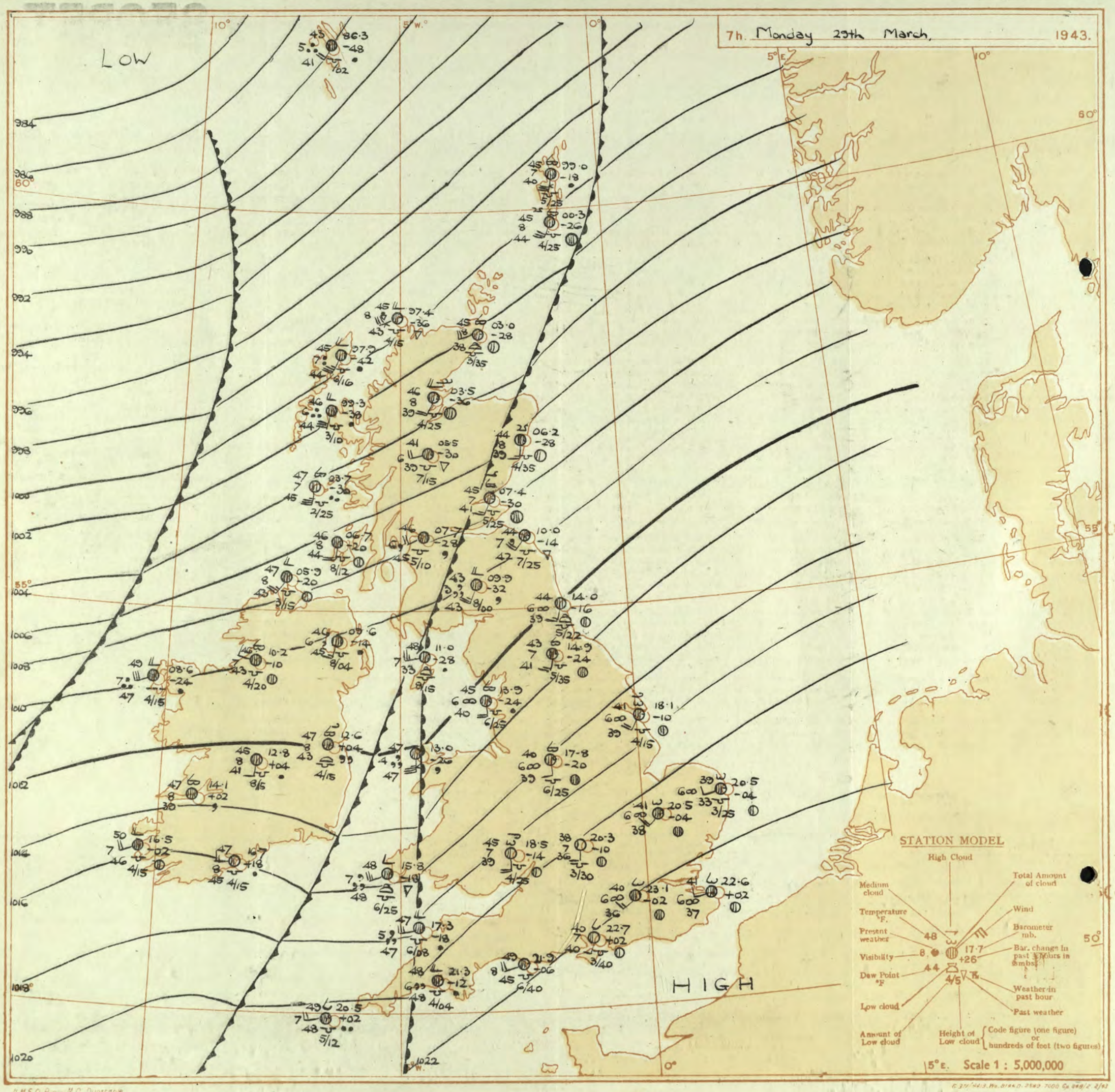
FURTHER OUTLOOK

Stormy westerly type generally with considerable rain in the Northwest half of Britain. ↓ Gale warning in operation in districts:- 13B, 15 & 16. issued at 2305h on 28th March, 1943. also in districts 13A & 17 issued at 0915h on 29th March, 1943.

Forecasts issued at 10.30

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

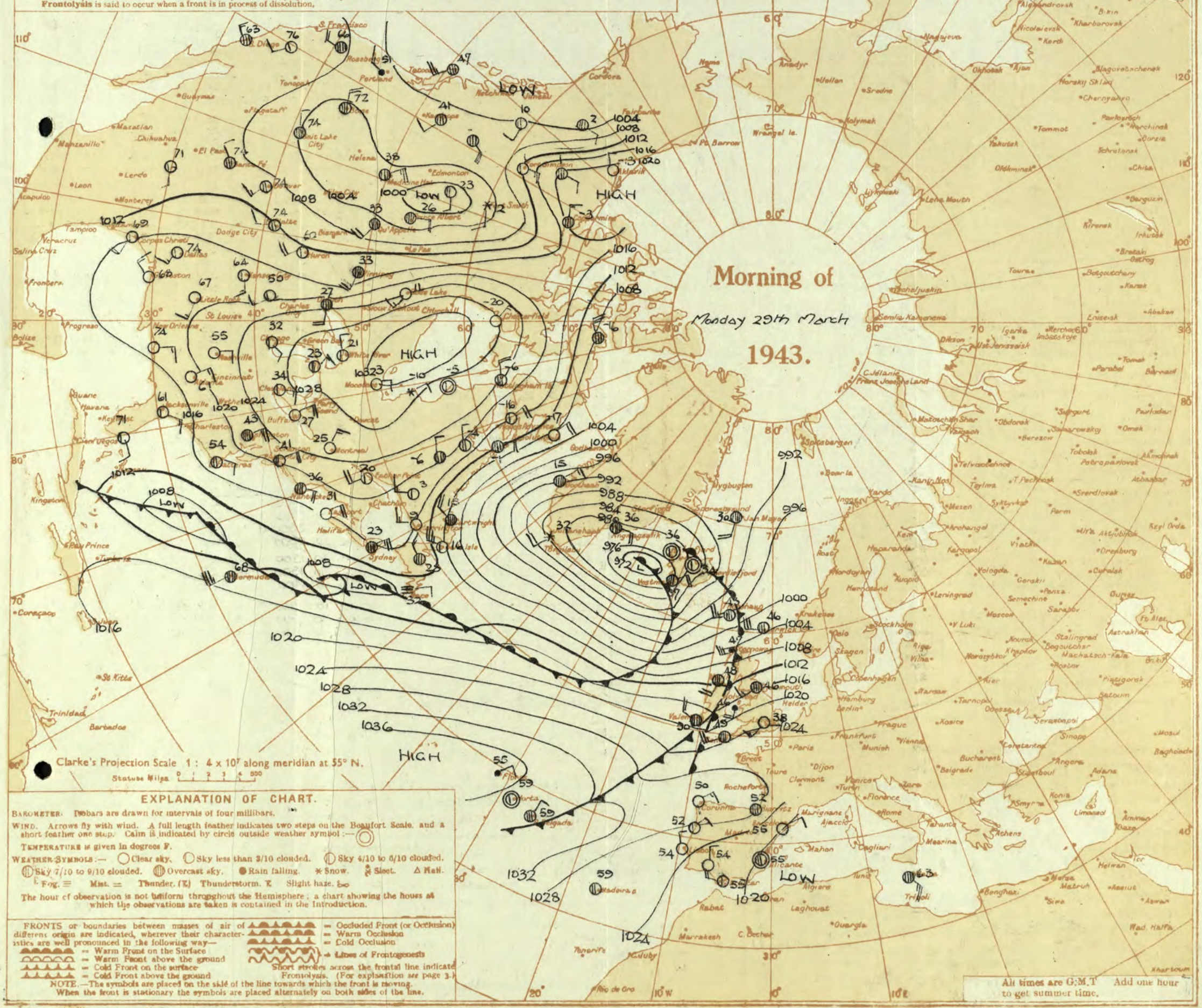
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Monday 29th March 1943

No. 29712

OBSERVATIONS at 1 hr. G.M.T. 29th March

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 ...	290	24·1	+2	SW	2	m	38	92	37	4	–	–	–	0	0	–
	S. Farnborough	226	23·7	-2	WSW	2	b	38	92	36	7	–	7	–	0	1	–
	Boscombe Down	417	23·9	-2	–	0	bc	39	92	36	7	–	3	–	0	4-6	–
	Thorney Island	10	23·4	-6	W'N	1	Zo	41	85	38	6	–	–	–	0	0	–
	Lympne ...	283	23·6	0	–	0	Zo	37	85	33	6	–	–	–	0	0	–
	Manston ...	154	23·3	0	WSW	1	b	42	75	34	7	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·7	+2	W'S	1	Zo	43	75	37	5	–	–	–	0	0	–
	Gorleston ...	5	21·9	0	W'S	2	Zo	43	75	35	6	–	–	–	0	0	–
	Mildenhall ...	15	22·2	-2	SW'S	3	b	41	75	33	7	–	–	–	0	0	–
	Cranwell ...	203	21·3	-6	WSW	3	Zo	38	85	35	6	–	–	5	0	1	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·6	0	WSW	3	c	39	92	38	7	5	–	7	2-3	10	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·6	-18	WSW	4	bc	46	85	42	8	5	–	–	4-6	4-6	2500
	Bristol ...	209	23·6	-8	SW'S	3	b	43	85	38	7	5	–	–	1	1	4000
	Portland Bill ...	32	24·3	+2	NW	3	bc	47	92	45	8	5	–	–	4-6	4-6	4000
	Plymouth ...	82	24·4	-10	SW	3	Zo	48	85	43	6	5	1	–	9+	10	4000
	The Lizard ...	240	23·6	-12	W	5	abc	48	75	41	8	5	–	–	7-8	7-8	2000
	Scilly (St. Mary's)	163	22·8	-20	SW'W	5	abc	49	85	45	8	5	–	–	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	20·7	-14	S'W	4	cq	48	85	43	8	8	–	–	10	10	2500
7	Holyhead (Valley)	32	18·9	-18	SSW	4	rr	46	92	43	6	6	2	–	4-6	10	1800
	Chester (Sealand)	16	19·8	-14	–	0	c	42	85	38	6	5	–	–	10	10	5700
8	Manchester ...	235	20·5	-6	SSE	3	Zo	39	85	36	6	5	–	–	1	1	3000
10	Spurn Head ...	29	20·6	-6	SW	3	b	43	85	39	7	–	–	–	0	0	–
	Catterick (Sc.) ...	192	19·1	-8	SW	3	c	45	85	40	7	5	7	–	2-3	10	3000
	Tynemouth ...	108	18·6	-4	SW	3	c	46	85	40	7	5	–	–	9+	9+	1500
11	St. Abbs Head	280	14·8	-8	SW	3	c	43	97	42	7	5	–	–	9+	9+	4000
	Leuchars ...	36	13·2	-18	WSW	1	c-bc	44	85	40	8	5	7	–	1	7-8	3000
12	Renfrew (Abbots L.)	19	13·3	-26	SSW	4	c/r	47	85	41	6	5	2	–	7-8	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	16·8	-16	W'S	4	ir	47	86	43	8	7	*	*	9+	*	
13A	Tiree ...	44	10·3	-30	SW'S	6	ir	47	97	46	7	5	–	–	9+	9+	1500
13B	Stornoway ...	15	05·7	-26	SW	6	ir	47	92	45	7	5	–	–	10	10	2300
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	11·5	-22	SSW	3	c	42	92	39	9	–	2	–	0	9+	–
	Wick ...	114	09·1	-18	SSW	3	b-bc	43	85	38	9	8	–	–	2-3	2-3	2500
16	Sumburgh ...	19	05·6	-16	SW	6	c	46	97	45	8	5	–	–	10	10	2000
17	Blacksod Point	18	12·6	-16	S'W	3	c/r	48	92	46	7	5	–	–	9+	9+	1500
18	Malin Head ...	84	11·3	-28	S'W	4	bc	46	75	39	8	5	–	–	4-6	4-6	1500
	Aldergrove ...	268	14·4	-30	S	3	bc	45	85	40	8	5	–	–	4-6	4-6	3500
19	Birr Castle ...	173	*	*	*	*	c/d	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·3	+10	WNW	4	c/d	50	92	48	7	5	–	–	10	10	1500
	Roches Point	22	15·7	-34	SW	5	rr	50	97	49	7	6	2	–	4-6	10	800

OBSERVATIONS at 7 hr. G.M.T. 29th March

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)	21·7	-4	SW'S	2	Zo	42	85	38	5	5	9	9	Tr	2-3	4000	1	*
Croydon ...	23·1	-2	SW'S	3	Zo	40	85	36	6	–	5	1	0	7-8	–	0	*
S. Farnborough	22·2	-2	S'W	3	b-bc	39	92	37	7	–	7	1	0	2-3	–	1	*
Boscombe Down	21·8	-6	S	3	Zo	39	92	38	6	5	–	6	7-8	7-8	3500	0	*
Thorney Island	22·7	+2	SSW	1	bc	40	97	40	7	5	4	–	2-3	4-6	4000	0	*
Lympne ...	23·3	+4	WNW	1	Zo	37	92	35	6	–	1	2	0	7-8	–	0	§ 2
Manston ...	22·6	+2	SW'W	2	Zo	41	85	37	6	–	5	7	0	10	–	0	*
Shoeburyness ...	22·1	0	WSW	3	Zo	41	85	38	6	–	7	6	0	9	–	1	*
Felixstowe ...	21·9	+2	WSW	3	m	40	85	35	4	–	7	–	0	7-8	–	0	1
Gorleston ...	20·5	-4	SW'W	2	Zo	39	75	33	6	5	3	–	2-3	9	2500	0	2
Mildenhall ...	20·5	-4	SW'S	3	Zo	41	85	38	6	–	3	–	0	9	–	0	*
Cranwell ...	18·2	-12	SW'W	4	Zo	41	92	39	7	–	7	1	0	7-8	–	0	*
Birmingham ...	18·1	-18	S	4	bc	41	92	39	7	5	3	–	2-3	4-6	4000	1	*
Upper Heyford	20·3	-10	S	2	b-bc	38	92	36	7	5	–	–	2-3	2-3	3000	0	*
Ross-on-Wye	18·5	-14	S	4	bc	45	75	39	7	5	3	1	4-6	4-6	2500	1	*
Hartland Point	17·3	-18	WSW	5	dd	47	97	47	5	5	2	–	9	10	800	1	4
Bristol ...	20·2	-16	SW	4	c/r	46	85	42	8	5	3	–	7-8	9+	4000	1	*
Portland Bill ...	21·9	-6	SW	4	c	49	85	45	8	5	4	–	9	9	4000	1	3
Plymouth ...	21·3	-12	SW	5	do do	48	97	48	6	5	2	–	4-6	9	400	1	3
The Lizard ...	20·7	-8	WSW	5	do do	49	97	49	7	5	–	–	10	10	1000	1	4
Scilly (St. Mary's)	20·5	+2	W	4	c/r	49	97	48	7	5	4	–	7-8	9+	1200	1	4
Guernsey ...																	
Pembroke ...	15·8	-18	SW'S	5	dd	48	97	48	7	8	1	–	9	10	2500	1	4
Holyhead (Valley)	13·0	-26	S	7	dd	47	97	47	4	–	2	–	10	10	150	1	5
Chester (Sealand)	14·9	-26	S	1	c	45	85	41	7	5	4	1	7-8	9	2000	1	*
Manchester ...	15·8	-24	S'E	4	Zo	43	85	39	6	5	3	–	4-6	7-8	3500	1	*
Spurn Head ...	18·1	-10	SSW	4	Zo	41	92	39	6	5	3	1	4-6	9	1500	0	2
Catterick (Sc.) ...	14·9	-24	SSW	3	c	43	92	41	7	5	7	–	7-8	9+	3500	0	*
Tynemouth ...	14·0	-16	SSW	3	Zo	44	75	39	6	8	–	–	7-8	7-8	2200	0	3
St. Abbs Head	10·0	-14	SSW	4	ido	44	97	42	7	5	–	–	9+	9+	3000	1	3
Leuchars ...	07·4	-30	SSW	3	c	45	85	41	7	5	7	8	7-8	9+	2500	0	*
Renfrew (Abbots L.)	07·7	-28	SW'S	4	ido	46	97	45	6	5	–	–	7-8	10	1000	1	*
Eskdalemuir ...	09·9	-32	SSW	5	ddf	43	97	43	3	–	2	–	10	10	150	1	*
Point of Ayre ...	11·0	-28	WSW	5	c	48	85	33	7	8	–	–	10	10	1500	0	3
Tiree ...	03·7	-30	SSW	7	c/r	47	97	45	7	5	7	–	1	10	2500	1	4
Stornoway ...	97·9	-42	SSW	7	ir	45	97	44	7	5	2	–	9	10	1600	1	4
Dalwhinnie ...	05·5	-30	SW	4	c	41	92	39	6	5	–	–	9+	9+	1500	1	*
Aberdeen † ...	06·2	-28	S	3	c	44	85	39	8	5	+	7	4-6	9+	3500	1	2
Wick ...	03·0	-28	SW	4	c	45	85	38	8	8	7	–	2-3	9	3500	0	*
Sumburgh ...	00·3	-26	SSW	6	c	45	97	44	8	5	7	7	4-6	10	2500	1	3
Blacksod Point	08·6	-24	SW'S	6	rr	49	92	47	7	6	2	–	4-6	10	1500	1	5
Malin Head ...	05·9	-20	SSW	5	c	47	85	43	8	5	2	–	2-3	10	1500	1	4
Aldergrove ...	09·6	-14	SSW	3	ido	46	97	45	6	5	–	–	10	10	400	1	*
Birr Castle ...	12·8	+4	SSW	2	c	45	85	41	8	5	–	–	10	10	1500	1	*
Valentia Obsy.	16·5	-2	SW	4	cp	50	85	46	7	5	2	–	4-6	10	1500	1	4
Roches Point	16·7	+8	W'N	3	bc	47	92	45	8	5	–	–	4-6	4-6	1500	1	4

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 28th Hrs. (38)
London (Kew)	54	38	21	–	Tr	6·5
Croydon ...	54	38	32	–	–	7·5
S. Farnborough	56	37	27	–	–	9·2
Boscombe Down	55	34	30	–	Tr	10·5
Thorney Island	57	34	29	–	–	*
Lympne ...	53	36	26	–	–	8·5
Manston ...	53	37	34	–	–	8·3
Shoeburyness ...	55	40	27	–	–	6·[illegible]
Felixstowe ...	54	34	29	Tr	–	7·[illegible]
Gorleston ...	53	38	31	6	–	7·6
Mildenhall ...	55	37	30	–	Tr	8·6
Cranwell ...	56	38	29	–	–	8·2
Birmingham ...	55	39	35	–	–	7·6
Upper Heyford	55	37	31	–	–	*
Ross-on-Wye	56	41	35	–	–	9·8
Hartland Point	52	45	42	–	0·5	8·5
Bristol ...	56	40	35	–	Tr	10·3
Portland Bill ...	53	45	*	–	–	*
Plymouth ...	55	40	30	–	0·3	9·6
The Lizard ...	55	46	*	–	0·5	8·5
Scilly (St. Mary's)	55	48	*	–	0·3	8·3
Guernsey ...						
Pembroke ...	51	48	*	–	1	8·1
Holyhead (Valley)	53	45	44	–	3	*
Chester (Sealand)	53	41	35	–	0·3	9·4
Manchester ...	52	38	33	–	0·1	*
Spurn Head ...	52	40	*	–	–	9·8
Catterick (Sc.) ...	54	43	39	–	–	10·4
Tynemouth ...	55	43	40	–	–	*
St. Abbs Head	52	41	*	–	Tr	*
Leuchars ...	56	43	39	–	–	8·7
Renfrew (Abbots L.)	52	45	41	0·1	Tr	6·0
Eskdalemuir ...	52	39	36	–	1	6·0
Point of Ayre ...	55	44	*	–	Tr	7·1
Tiree ...	51	45	44	0·5	0·2	3·0
Stornoway ...	52	45	43	0·2	2	4·7
Dalwhinnie ...	49	39	35	Tr	1	4·7
Aberdeen † ...	55	41	34	–	–	8·8
Wick ...	52	40	38	0·3	0·2	*
Sumburgh ...	48	45	41	0·4	Tr	6·7
Blacksod Point	51	48	*	Tr	0·6	*
Malin Head ...	51	44		0·4	Tr	2·8
Aldergrove ...	53	44	40	Tr	0·1	4·1
Birr Castle ...	52	45	42	–	2	1·5
Valentia Obsy.	53	47	43	3	5	0·1
Roches Point	52	47	*	–	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th March	IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T.	C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 29th March	C_L C_M	wwVhN_h	DDFWN	07h. G.M.T.	C_L C_M	wwVhN_h	DDFWN
109	36	25854	21684	57	02853	21427	5-	01754	18414	57	01854	17414			
115				57	81844	57587	52	02845	57628	52	81844	53686			
203							6-	61848	16528	5-	02848	16668			
206	20	25953	22384	47	02864	24327	40	01853	24313	52	02854	18427			
210	20	25953	22583	47	02964	21327	57	01862	19323	5-	02855	19525			
219	87	81845	21517	77	02864	19587	51	51755	51558	52	64643	52668			
230	87	02967	23327	87	02855	18387	8-	25757	18287	52	21745	16358			
245	10	02965	21416	57	02963	23216	50	01864	21324	5-	02847	17417			
260	20	01754	20414	51	02752	20328	52	02755	23426	73	02753	53426			
278	86	02853	26487	57	02853	20228	5-	02868	21428	52	21736	53458			
279	86	02854	22424	44	02873	20426	07	61790	19428	62	54517	51568			
285										5-	51628	20458			
288	2-	02955	26425	84	02863	25326	57	02753	17317	53	05663	16414			
578	8-	25843	20388	52	02844	20328	62	52743	16158	57	02744	25228			
301	24	01891	25413	26	02851	21316	44	01763	16413	57	05656	15467			
321	8o	01765	28415	00	02690	26325	07	05590	22214	57	05563	16·26			
2.3	80	01754	28314	80	01754	18314	50	05653	22303	5-	05647	20428			
292	20	01854	28414	27	02951	26216	01	05690	20228	57	05664	16226			
310										--	01634	20514			
614	2-	01753	24225	00	02790	26215	50	05553	22214	53	08465	19327			

13h. G.M.T. 28th March	IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T.	C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 29th March	C_L C_M	wwVhN_h	DDFWN	07h. G.M.T.	C_L C_M	wwVhN_h	DDFWN
333	20	02824	24425	51	02853	20428	62	62615	18528	62	52526	50668			
334										--	64547	22·168			
340	8-	01954	28314	46	02963	30217	5-	02856	16216	57	02655	14365			
136	8-	05755	24425	40	01763	26214	00	05690	20214	09	05610	20217			
336										57	02656	20128			
350	2-	02855	28425	10	01852	28324	04	05690	18216	57	02774	18125			
368	80	01754	24314	50	02753	53515	50	00763	20203	5-	02158	20128			
379	2-	01845	30415	40	00853	28314	00	05690	24314	54	01763	20344			
390	83	10764	26425	40	01763	28324	00	08490	20100	03	45390	16225			
38	86	02954	28424	40	01953	27214	00	05690	22214	04	01190	14223			
43	870	01764	30414	54	01762	28213	00	05690	00000	53	01764	23315			
430	20	02855	27325				00	05690	00000	03	01690	04125			
409	20	02855	26326	46	02851	24328	02	02885	16325	52	51626	19518			

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 29th March
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 ...	bcucy	cbczy	bmubmx	Kew 24 hours ende[illegible] Max. Time 0·6 20-22h 28th. Min. Time 0·1 10-16h 28th.
Croydon ...	bcu.m.c	cbczy	bcm.	
Greenwich ...	bcxy	cbcy	bcbcb	
Camden Square	b	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % To-day
Kew ...	54	38	21	–	Tr	6·5	*	*
Croydon ...	54	38	32	–	*	7·5	*	*
Greenwich ...	55	36	25	–	*	7·7	43	71
Westminster ...	56	38	31	–	–	*	43	73
Regents Park ...	53	39	31	–	–	*	48	65
Camden Square	55	39	31	–	–	*	*	*
Kensington ...	56	33	29	–	Tr	*	47	64
Hampstead ...	53	37	30	–	–	*	*	75

Page 1 BRITISH SECTION

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

SECRET

Tuesday 30th March 1943. No. 29713

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

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)	17·6	-20	SW	5	ir	51	75	45	8	5	-	-	10	10	2500
	Croydon	19·1	-22	SW	4	id	50	75	41	7	5	-	-	10	10	1800
	S. Farnborough	18·0	-22	SW	4	rr	50	92	47	7	5	-	-	10	10	1400
	Boscombe Down	18·3	-18	SW'S	4	c/d	50	92	48	7	5	7	-	9+	10	800
	Thorney Island	19·4	-16	S'W	4	c	51	85	45	8	5	-	-	4-6	10	900
	Lympne	19·8	-24	SW	4	c	49	75	43	8	5	7	-	4-6	10	800
	Manston	19·2	-20	SW	4	c	50	75	43	8	8	-	-	9+	9+	1800
2	Shoeburyness	19·0	-20	SSW	5	c	53	92	51	8	5	-	-	10	10	1500
	Felixstowe	17·6	-26	S'W	5	c	51	75	43	7	5	-	-	10	10	4000
	Gorleston	16·4	-26	SSW	5	c	52	55	37	7	5	-	-	10	10	1500
	Mildenhall	15·6	-26	SSW	5	c/d	52	75	43	7	5	-	-	2-3	10	1500
	Cranwell	12·6	-30	SW	6	bc	51	75	43	8	5	-	-	9	10	1500
3	Birmingham	13·7	-14	WSW	4	id	50	85	46	7	6	-	-	10	10	800
	Upper Heyford	16·0	-22	SW	5	id	50	85	45	8	5	-	-	7-8	10	800
4	Ross-on-Wye	15·3	-14	SW	4	c	51	75	44	8	5	7	-	9	9+	2500
5	Hartland Point	16·9	-10	W	5	c	49	75	42	7	5	4	6	2-3	9+	1700
	Bristol	17·9	-4	WSW	4	c/d	50	75	43	8	5	-	-	9+	9+	2500
	Portland Bill	19·3	-12	SW	4	c	50	92	48	8	5	-	-	10	10	4000
	Plymouth	20·3	-6	WSW	5	c	52	75	45	8	5	-	-	9	9	2500
	The Lizard	20·2	-4	W	5	c-bc	53	85	47	8	5	7	-	4-6	7-8	2000
	Scilly (St. Mary's)	20·6	-8	WSW	4	c	55	75	47	8	5	2	7	2-3	9+	2000
	Guernsey															
6	Pembroke	15·7	-8	SW	5	oq	49	85	45	8	5	-	-	10	10	2500
7	Holyhead (Valley)	10·6	-20	SW	6	ir	47	92	54	7	5	7	-	4-6	10	2500
	Chester (Sealand)	11·8	-12	WSW	4	c	54	55	39	8	5	7	8	2-3	10	3000
8	Manchester	11·7	-16	WSW	4	c/d	50	85	44	8	8	-	-	10	10	1500
10	Spurn Head	11·9	-30	SW	6	cq	52	65	42	7	7	7	-	4-6	10	1900
	Catterick (Sc)	09·8	-24	WSW	5	ir	50	85	47	7	5	7	1	4-6	9+	900
	Tynemouth	06·5	-34	SSW	4	z	51	75	45	6	8	-	-	9+	9+	2200
11	St. Abbs Head	02·1	-26	SSW	5	c	52	85	46	7	5	2	-	7-8	10	2500
	Leuchars	99·9	-38	SW	5	c/r	49	75	42	7	8	1	-	7-8	10	1200
12	Renfrew (Abbots I.)	01·4	-04	SW'S	5	rr	47	92	45	6	6	2	-	7-8	10	600
	Eskdalemuir	04·1	-28	SW	6	rr	44	85	41	6	-	2	-	10	10	400
	Point of Ayre	06·7	-24	W	7	rr	49	92	47	7	6	7	-	2-3	10	1800
13A	Tiree	97·8	-20	W'S	5	b	49	85	44	8	8	6	-	Tr	1	2000
13B	Stornoway	93·1	-12	WSW	6	c-bc	47	85	43	8	5	1	-	4-6	7-8	3500
15	Dalwhinnie	98·0	-44	SSW	4	rr	44	85	41	6	5	1	-	4-6	10	1500
	Aberdeen	98·2	-40	SSW	4	c	49	85	43	7	5	4	-	4-6	9+	1500
	Wick	94·3	-58	SSW	5	c	47	75	41	8	5	7	-	4-6	10	2000
16	Sumburgh	92·7	-42	SSW	6	rr	45	97	45	6	5	-	-	10	10	1500
17	Blacksod Point	04·8	-18	WSW	6	RR	50	92	48	7	6	2	-	4-6	10	1500
18	Malin Head	00·3	-22	WSW	6	c	50	85	46	8	6	2	-	2-3	9	1500
	Aldergrove	04·8	-18	SWW	4	c/r	49	85	45	9	5	7	-	4-6	9+	1000
19	Birr Castle	09·2	-24	WSW	4	rr	53	85	49	7	6	2	-	7-8	10	800
20	Valentia Obsy.	12·8	-20	SW	6	rr	52	97	51	6	6	-	-	10	10	1500
	Roches Point	13·6	-22	WSW	4	rr	51	97	50	7	6	2	-	4-6	9+	800

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14·7	-12	SW'W	3	rr	51	75	43	6	5	2	-	7-8	10	1500	1	*
Croydon	16·0	-16	SWW	3	c	51	85	46	6	6	2	-	4-6	10	1400	0	*
S. Farnborough	15·2	-6	WSW	4	ir	51	83	46	8	5	-	-	10	10	800	1	*
Boscombe Down	15·8	-14	SW'W	5	ir	50	65	39	7	5	7	-	7-8	9+	1600	0	*
Thorney Island	16·9	-10	WSW	5	c	50	85	44	7	-	2	-	10	10	1500	1	*
Lympne	16·7	-14	WSW	4	c/r	47	97	47	5	5	-	-	10	10	<150	1	§5
Manston	16·1	-14	SW'W	5	dd	47	92	46	7	6	2	-	9+	10	800	0	*
Shoeburyness	15·5	-14	SW	5	c	50	85	45	8	5	-	-	10	10	2500		*
Felixstowe	13·9	-26	SSW	5	c	48	92	46	7	5	7	-	2-3	10	1500	0	5
Gorleston	12·1	-14	SSW	5	c	52	75	45	7	5	7	-	4-6	10	1500	0	4
Mildenhall	12·2	-16	SW	5	c/r	50	65	39	7	-	7	-	0	10	-	1	*
Cranwell	08·9	-22	SW	6	z	50	65	40	6	9	7	-	4-6	9+	1500	0	*
Birmingham	11·1	-22	SSW	4	ir	47	92	45	7	6	-	-	10	10	800	1	*
Upper Heyford	14·0	-6	SWW	4	ir	47	85	42	7	5	2	-	7-8	10	1200	0	*
Ross-on-Wye	12·0	-32	SW	5	ir	49	92	46	6	6	2	-	9+	10	1000	1	*
Hartland Point	12·5	-26	W	6	rr	49	97	49	5	6	2	-	9+	10	800	1	4
Bristol	14·8	-18	SW	4	rr	49	92	46	6	5	2	-	9	10	1500	1	*
Portland Bill	16·9	-6	SW	4	o	49	92	47	7	5	-	-	10	10	2500	1	4
Plymouth	17·9	-10	SW'W	6	rr	50	97	48	6	6	2	-	7-8	10	900	1	3
The Lizard	17·4	-22	SW	6	rr	50	97	50	6	5	-	-	10	10	1000	1	5
Scilly (St. Mary's)	17·0	-20	SW'W	5	rr	50	97	50	5	6	2	-	7-8	10	500	1	4
Guernsey																	
Pembroke	10·7	-10	SW	7	rr	50	97	50	6	5	-	-	10	10	2000	1	4
Holyhead (Valley)	06·2	-14	SW'W	7	ir	50	92	48	5	6	2	-	7-8	10	400	1	4
Chester (Sealand)	07·6	-26	S'W	2	ir	53	75	47	8	5	7	-	7-8	10	1500	1	*
Manchester	07·6	-22	NW'W	5	rr	48	92	47	6	6	2	-	9	10	1500	1	*
Spurn Head	08·6	-6	SW	5	cq	50	75	40	7	5	2	-	4-6	10	1500	1	4
Catterick (Sc)	04·9	-38	SSW	5	c/r	50	85	47	7	5	7	-	2-3	10	1000	1	*
Tynemouth	02·0	-20	SW	4	c-bc	51	85	46	7	8	3	-	4-6	7-8	2500	1	3
St. Abbs Head	97·7	-12	SW	5	pr	50	85	46	7	5	2	-	7-8	9	3000	0	5
Leuchars	95·5	-18	WSW	6	bc	49	75	40	8	8	-	-	4-6	4-6	3000	1	*
Renfrew (Abbots I.)	98·4	-18	WSW	5	c	49	85	43	8	8	7	-	9	9+	1600	1	*
Eskdalemuir	99·7	-18	W	5	PR	46	92	44	6	6	-	-	9+	9+	700	1	*
Point of Ayre	02·1	-22	W	5	ir	50	92	48	7	6	7	-	4-6	9+	1500	1	4
Tiree	96·6	-2	W'S	5	c/phr	44	92	43	8	8	6	-	7-8	9	1500	0	5
Stornoway	90·2	-4	WSW	6	bc	44	92	42	8	3	4	-	4-6	4-6	2500	1	4
Dalwhinnie	95·0	-8	SW	4	pr	38	85	33	7	5	4	-	2-3	4-6	2500	1	*
Aberdeen	94·1	-14	SW'W	3	b-bc	49	55	35	8	7	4	-	2-3	2-3	2500	0	2
Wick	91·5	-14	S'W	4	bc	46	65	35	9	2	3	-	4-6	4-6	2000	0	*
Sumburgh	88·5	-18	WSW	6	bc	44	92	42	8	3	-	8	2-3	4-6	2000	1	5
Blacksod Point	05·5	+16	W	6	pr	50	75	43	8	9	5	-	7-8	7-8	1500	1	5
Malin Head	99·1	-6	WSW	6	bc	47	75	40	8	8	-	1	4-6	4-6	1500	1	4
Aldergrove	02·5	-2	SW'W	4	c/r	48	85	42	8	5	2	-	7-8	10	1000	1	*
Birr Castle	06·9	0	WNW	3	ir	51	85	47	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	12·4	+2	W	5	c/r	52	92	50	7	6	2	-	9+	10	1500	1	5
Roches Point	11·0	-6	W	5	c-bc/r	53	92	51	8	6	-	5	4-6	7-8	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 29th (39)	Weather 13h.–18h. 29th (40)	Weather 18h 29th to 1h. 30th (41)	Weather 1h.–7h. 30th (42)
London (Kew)	bcir	ircr	crorroc	cirocm
Croydon	bc, c, ccd	ciddcm	croro do	cdodom c
S. Farnborough	cr	crmrir	cirordom	cmobcc
Boscombe Down	cmcidc	cir	cirocrorocm	crorom oc
Thorney Island	c	cmdep	ocroroc	cirocm
Lympne	bcc	bccidrrm	cridomdd	cdocm
Manston	bccbo	cidddd	crorodidom	crorom
Shoeburyness	cmobccyo	cidc		cmc
Felixstowe	bc	ccirc	ciromcidom	cidomcm
Gorleston	bccy	c	ororoqc	cpro
Mildenhall	b,cid	circ	crorozbciro	cbcc
Cranwell	cbcc	circmm	cirodocm	cirobczoc
Birmingham	bcc	crrr	oroc	c
Upper Heyford	bcprid	cidoro	cdodocm	cm
Ross-on-Wye	cdcc	ccqr	roqcido	c
Hartland Point	c	crrc	crrirc	c
Bristol	cprcddm	ccrrm	crorom om	cmobmocm
Portland Bill	cc	co	o	o
Plymouth	cddmc	ccmrr	cro	crom
The Lizard	cprrc	cprrr	orro	cproc
Scilly (St. Mary's)	c	crr	croroc	cidoc
Guernsey				
Pembroke	cq	crrmq	cbcq	cq
Holyhead (Valley)	cir	crrcm	bccm	cmoprc
Chester (Sealand)	cid	crr	crroido	bc
Manchester	irid	rrm	rrirom	cbcbzc
Spurn Head	cq	cq	cq	c
Catterick (Sc)	c	circ	bcorobc	cbcc
Tynemouth	cm	cmir	cpbc	bccq
St. Abbs Head	cidc	cprr	cprbc	cprobcc
Leuchars	idmrc	cbc	cprbc	bbcprc
Renfrew (Abbots I.)	ccmrrrr	cmrrccrrc	bcpropr	bcprociro
Eskdalemuir	cddrrm	orcpR	cpRpr	cprrr
Point of Ayre	crr	cir	prccb	cir
Tiree	crrbc	bccprpHc	cprbc	cprcrr
Stornoway	cdbc	cprhprbc	bcprobc	bccpr
Dalwhinnie	crrp	cprbc		bcpr rro
Aberdeen	cczc	czbcy	bcb	bxbc
Wick	ccrr	crorodbc	bcpro	bccpmrc
Sumburgh	cirrr	crrprcbc	bccprpro	cPh
Blacksod Point	r	pr	pr	r
Malin Head	r	pr	pr	pr
Aldergrove	idmcirm	ccircir	cprbcc	crorocPR
Birr Castle	r	r	*	c
Valentia Obsy.	r	r	pr	pr
Roches Point	r	r	r	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 30th March, 1943.

DISTRICTS.

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

Moderate or fresh southwest wind, strong to gale locally on coasts. Mainly cloudy; occasional light rain later; hill fog near west coasts; rather cold.

7 North Wales ✦
8 N.W. England ✦
9 N. Midlands
10 N.E. England ✦
11 S.E. Scotland ✦
12 S.W. Scotland & Isle of Man ✦
13A W. Scotland ✦
13B N.W. Scotland ✦
14 Mid Scotland
15 N.E. Scotland ✦

Fresh or strong southwest to west winds, gale on coasts; some rain at first; variable cloud and showers later; rather cold.

16 Orkneys and Shetlands ✦
17 N.W. Ireland ✦
18 N.E. Ireland ✦
19 S.E. Ireland ✦
20 S.W. Ireland ✦

As 7-15.

GENERAL INFERENCE

A deep depression east of Iceland is moving slowly eastnortheast and depressions are expected to cross northern districts of the British Isles. Weather will be unsettled and stormy with appreciable rain in the North and local rain in the South.

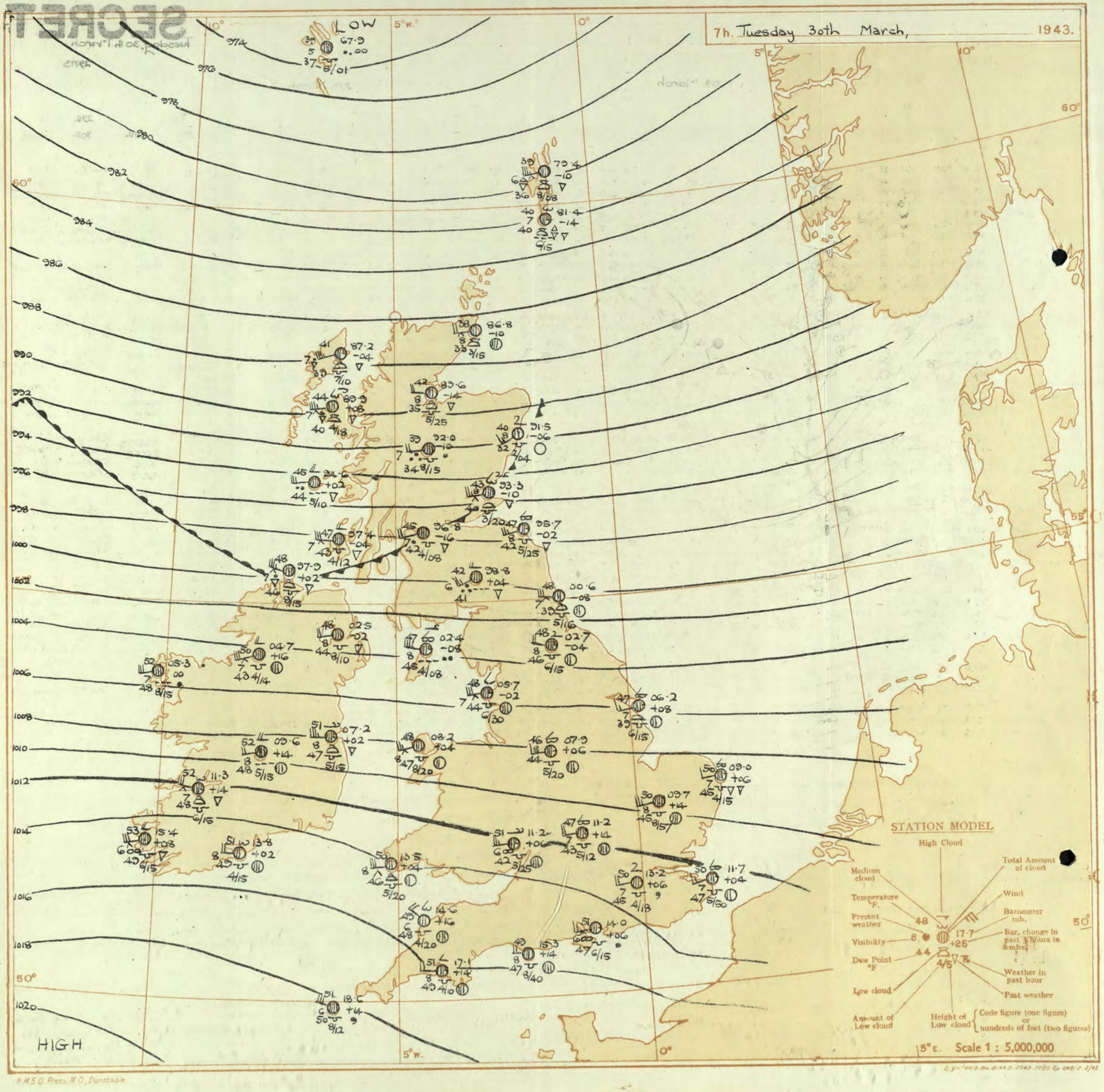
FURTHER OUTLOOK

Unsettled. Considerable rainfall in the North. Small amounts in the South.

✦ Gale warning in operation in districts:- 13B, 15, 16 issued at 2305h on 28th March, 1943. 13A, 17, 18 issued at 0915h on 29th March, 1943. also in districts 7, 8, 12, 20 issued at 0830h on 30th March, 1943. and in districts 2, 6, 10, 11, 19 issued at 1155h on 30th March, 1943.

Forecasts issued at 10.30

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

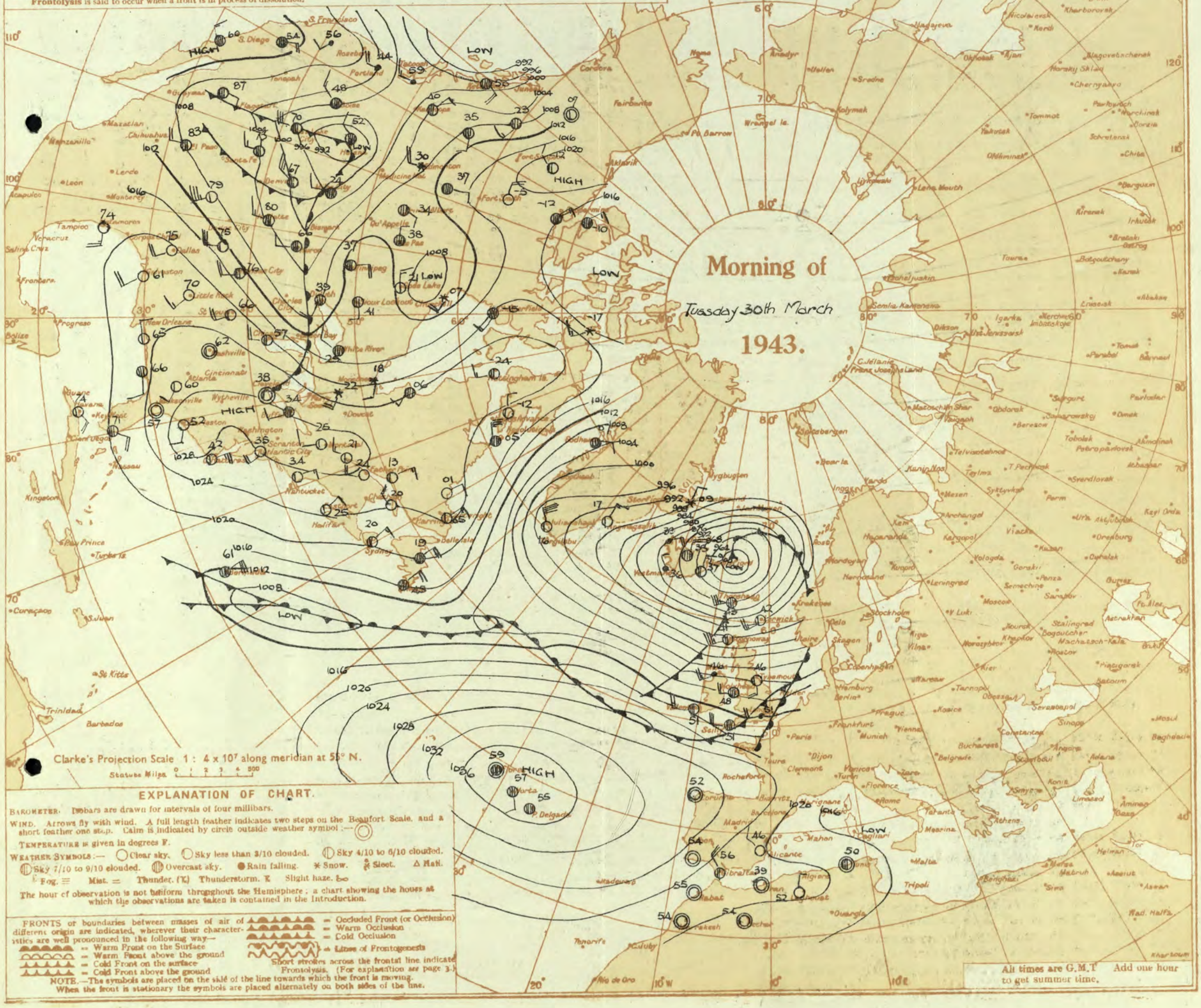
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

Page 4. BRITISH SECTION

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

Tuesday, 30th March 1943

No. 29713

OBSERVATIONS at 1 hr. G.M.T. 30th March

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	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	13·1	-10	W'S	4	dodo	51	92	49	6	6	2	-	4-6	10	1200
	S. Farnborough	226	11·7	-14	W'S	5	c/r	51	92	49	6	5	-	-	9	9	3000
	Boscombe Down	417	12·7	-8	N'E	3	zo	50	92	48	6	5	2	-	7-8	10	1400
	Thorney Island	10	13·8	-18	SW	4	c	51	92	49	7	5	-	-	10	10	900
	Lympne	283	12·8	-24	WSW	5	dodo	47	97	47	5	5	-	-	10	10	500
	Manston	154	12·0	-22	SW'W	4	roro	49	92	47	6	6	2	-	7-8	10	600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	09·9	-18	SW'S	5	ido	49	92	47	5	5	-	-	10	10	1900
	Gorleston	5	09·1	-20	SW'S	4	c	50	85	45	7	5	-	-	10	10	1500
	Mildenhall	15	08·7	-10	SW'W	5	c/r	51	85	47	8	5	-	-	9	9	2500
	Cranwell	203	06·6	+2	W'S	5	zo	50	85	46	6	5	-	-	9+	9+	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·2	-10	WSW	4	zo	49	92	47	6	5	-	-	10	10	4800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·9	+6	W	5	cbc	49	97	48	7	5	1	-	4-6	7·8	1500
	Bristol	209	12·5	0	SW'W	4	zo	50	97	49	6	5	-	-	10	10	700
	Portland Bill	32	14·5	-8	W	5	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth	82	15·9	-6	W	5	c/r	53	92	50	6	5	2	-	7-8	10	1000
	The Lizard	240	16·3	-6	WSW	6	o	51	97	51	6	5	-	-	10	10	800
	Scilly (St. Mary's)	163	17·0	-6	W	6	zo	51	97	50	6	5	-	-	10	10	1000
	Guernsey	175															
6	Pembroke	142	11·9	+4	WSW	6	bcq	49	92	47	7	8	-	-	4-6	4-6	1500
7	Holyhead (Valley)	32	08·6	+8	W'S	4	zo	48	85	44	6	5	-	-	9	9	4500
	Chester (Sealand)	16	07·8	+2	W	4	b-bc/d	50	75	43	7	5	-	-	2-3	2-3	2500
8	Manchester	235	07·7	+8	SSW	5	zo	49	75	43	6	5	-	-	10	10	1200
10	Spurn Head	29	05·6	0	W'S	6	cq	50	75	43	7	8	-	-	9	9	1500
	Catterick (Sc)	192	03·6	+10	W	4	b-bc	46	75	39	7	5	-	-	2-3	2-3	2000
	Tynemouth	108	01·9	+8	SSE	5	b-bc	46	75	38	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	97·4	0	SSW	4	bc	42	92	39	7	5	-	-	4-6	4-6	2500
	Leuchars	36	95·9	-2	WSW	5	b-bc	41	85	36	8	5	7	-	1	2-3	3000
12	Renfrew (Abbots I.)	19	99·6	0	WSW	4	c-bc/pr	43	85	40	6	3	-	-	7-8	7-8	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	04·3	+6	WNW	6	b-bc	45	85	40	8	8	*	*	2-3	2-3	2500
13A	Tiree	44	96·5	-4	W	4	bc/pr	43	97	42	8	8	-	-	4-6	4-6	2000
13B	Stornoway	15	88·6	-10	WSW	7	bc/pr	41	92	39	7	3*	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	93·9	-4	SW	1	b	38	85	32	9	-	4	-	o	Tr	-
	Wick	114	89·7	-10	SW	4	b-bc/pr	38	85	35	9	3	-	-	2-3	2-3	2000
16	Sumburgh	19	84·8	-18	WSW	7	pr	43	97	43	8	3	6	-	7-8	7-8	1800
17	Blacksod Point	18	06·5	-2	W	6	c/pr	50	75	43	7	6	-	-	10	10	1500
18	Malin Head	84	99·9	-6	SW'W	5	pr	46	85	41	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	04·0	+2	W	4	c	45	85	39	8	5	-	-	9+	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·7	+10	W'S	5	c	51	85	46	8	8	-	-	9	9	2500
	Roches Point	22	13·4	+10	W'N	3	c	49	97	48	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 30th March

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)	12·8	+12	WSW	4	zo	50	85	43	6	5	-	-	9+	9+	2500	1	*
Croydon	13·2	+6	W'S	4	c	50	85	45	7	5	-	6	4-6	9	1800	1	*
S. Farnborough	13·5	+20	W'N	4	c	49	85	45	8	5	7	-	7-8	9+	2000	1	*
Boscombe Down	13·5	+6	W'N	4	c	49	85	46	8	5	3	6	7-8	9	2000	1	*
Thorney Island	14·0	+6	SW'W	3	zo	51	85	47	6	5	-	-	9	9	1500	1	*
Lympne	12·7	+6	WSW	3	c	48	97	47	7	-	3	6	0	9+	-	1	§4
Manston	11·7	+4	SW	3	c	50	92	47	7	5	7	-	7-8	9	5000	1	*
Shoeburyness	11·9	+10	WSW	4	zo	50	85	46	6	5	1	-	7-8	9+	2500	1	*
Felixstowe	10·2	+12	SW'W	4	zo	49	85	46	6	5	-	-	10	10	5700	0	4
Gorleston	09·0	+6	SW'W	2	c/pr	50	85	45	7	5	7	-	4-6	9	1900	1	3
Mildenhall	09·7	+14	WSW	5	c	50	85	45	8	5	-	-	10	10	5700	1	*
Cranwell	07·1	+4	WSW	6	c	48	85	42	7	5	7	5	2-3	9+	1500	0	*
Birmingham	09·7	+6	WSW	4	c	48	75	40	8	5	-	-	9+	9+	1500	1	*
Upper Heyford	11·2	+14	WSW	4	c	47	85	43	7	5	7	-	7-8	9+	1200	0	*
Ross-on-Wye	11·2	+6	W'S	5	c	51	75	42	8	5	-	2	7-8	9+	2500	1	*
Hartland Point	14·6	+16	WNW	4	cbc	49	92	48	6	5	6	-	4-6	7·8	2000	1	4
Bristol	14·1	+16	W'N	4	zo	49	92	47	6	5	-	-	9+	9+	3000	1	*
Portland Bill	15·3	+14	W	4	c	49	92	47	8	5	-	-	10	10	4000	1	4
Plymouth	17·1	+14	W	4	c	51	92	49	8	5	1	-	4-6	9+	1000	1	3
The Lizard	17·9	+18	WNW	6	c	50	97	46	7	5	-	-	9+	9+	1000	1	5
Scilly (St. Mary's)	18·6	+14	W'N	6	c	51	97	50	6	5	-	-	10	10	1200	1	5
Guernsey																	
Pembroke	13·5	+4	WSW	6	cbcq	50	85	46	8	8	-	-	7-8	7-8	2000	0	5
Holyhead (Valley)	08·2	+4	WSW	5	c	48	92	47	8	5	-	-	10	10	2000	1	3
Chester (Sealand)	07·8	+2	W	3	c	51	65	40	8	5	7	-	4-6	9+	2500	1	*
Manchester	06·9	-2	SW'W	5	c	48	75	39	8	5	3	6	2-3	9	4000	1	*
Spurn Head	06·2	+8	SW	3	c	47	75	39	7	7	7	-	9	9	1500	0	3
Catterick (Sc)	02·7	-4	WNW	4	c	48	92	46	8	5	-	5	9	9+	1500	1	*
Tynemouth	00·6	-8	W	6	cbq	48	75	39	7	8	-	-	7-8	7-8	1600	1	3
St. Abbs Head	95·7	-2	SW	5	c	45	92	42	8	5	7	-	7-8	9	2500	0	4
Leuchars	93·3	-10	WSW	5	c	43	85	40	8	7	6	7	2-3	10	2000	1	*
Renfrew (Abbots I.)	96·8	-16	WSW	4	iro	45	85	42	7	5	-	-	4-6	10	800	1	*
Eskdalemuir	98·8	+4	SW	5	rr	42	97	41	6	6	2	-	4-6	10	400	1	*
Point of Ayre	02·4	-8	W'N	7	c/r	47	92	45	8	6	7	8	4-6	9+	800	1	5
Tiree	94·6	-2	W	5	roro	45	97	44	7	6	2	-	7-8	10	1000	1	4
Stornoway	87·2	-4	WSW	7	pr	41	92	39	7	8	-	-	9+	9+	1000	1	5
Dalwhinnie	92·0	-10	WSW	4	rr	39	85	34	7	5	-	-	10	10	1500	1	*
Aberdeen †	91·5	-6	SW'S	3	bc	40	75	32	8	5	-	6	1	4-6	5000	0	2
Wick	86·8	-10	WSW	4	cbc	38	85	33	8	3	3	-	2-3	7-8	1500	1	*
Sumburgh	81·4	-14	W'S	8	c/ph(r)	40	97	40	7	9	6	-	9	9+	1500	1	5
Blacksod Point	05·3	0	WSW	6	c	52	85	48	7	6	-	-	10	10	1500	2	5
Malin Head	97·9	+2	W'N	7	pr	48	92	46	7	8	-	-	10	10	1500	1	5
Aldergrove	02·5	-2	W'S	4	c	48	85	44	8	5	-	-	10	10	1000	1	*
Birr Castle	09·6	+14	WSW	4	c	52	85	48	8	6	2	-	7-8	10	1500	1	*
Valentia Obsy.	15·4	+8	W'S	6	zo	53	85	49	6	5	2	-	9	10	1500	1	5
Roches Point	13·8	+2	W'N	4	bc	51	92	49	8	5	3	-	4-6	4-6	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 29th Hrs. (38)
London (Kew)	53	48	45	Tr	1	2·6
Croydon	52	47	45	Tr	1	3·2
S. Farnborough	51	48	44	0·3	0·4	3·3
Boscombe Down	54	47	45	Tr	0·2	0·2
Thorney Island	53	49	46	Tr	0·3	*
Lympne	52	46	45	0·1	0·4	3·4
Manston	54	46	45	Tr	0·2	3·7
Shoeburyness		47	44		0·4	3·8
Felixstowe	55	47	46	Tr	0·1	4·3
Gorleston	52	48	44	Tr	0·5	4·5
Mildenhall	55	47	43	Tr	1	3·7
Cranwell	54	46	42	Tr	Tr	3·5
Birmingham	51	45	43	0·1	0·4	0·5
Upper Heyford	51	46	43	Tr	0·2	*
Ross-on-Wye	52	49	45	0·3	0·4	0·5
Hartland Point	50	47	47	2	2	0·7
Bristol	55	48	45	1	3	0·9
Portland Bill	50	46	*	-	1	*
Plymouth	54	49	48	1	3	1·7
The Lizard	54	49	*	2	2	3·5
Scilly (St. Mary's)	55	50	*	0·4	1	3·3
Guernsey						
Pembroke	50	47	*	2	Tr	0·0
Holyhead (Valley)	51	47	44	1	1	*
Chester (Sealand)	54	49	44	Tr	0·3	0·2
Manchester	51	45	41	2	3	*
Spurn Head	53	46	*	Tr	-	2·9
Catterick (Sc)	50	44	38	0·2	1	0·2
Tynemouth	55	45	41	0·1	Tr	*
St. Abbs Head	53	40	*	Tr	Tr	*
Leuchars	52	40	36	Tr	0·4	2·6
Renfrew (Abbots I.)	50	41	37	7	3	1·3
Eskdalemuir	48	38	37	10	3	0·0
Point of Ayre	52	44	*	1	2	0·1
Tiree	50	40	37	6	5	2·7
Stornoway	49	37	35	4	7	2·4
Dalwhinnie	46	34	32	7	9	1·9
Aberdeen †	51	39	31	-	-	1·3
Wick	50	34	32	1	0·5	*
Sumburgh	47	39	34	1	6	0·4
Blacksod Point	53	46	*	4	1	*
Malin Head	51	43		3	2	
Aldergrove	51	42	39	0·6	5	0·0
Birr Castle	53	47	44	1	0·2	
Valentia Obsy.	53	51	47	3	Tr	
Roches Point	55	49	*	1	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III $C_L C_M$ (13h. G.M.T. 29th March)	wwVhNh	DDFWN	$C_L C_M$ (18h. G.M.T.)	wwVhNh	DDFWN	$C_L C_M$ (01h. G.M.T. 30th March)	wwVhNh	DDFWN	$C_L C_M$ (07h. G.M.T.)	wwVhNh	DDFWN
109 02	64648	55668	36	25744	53584	8-	81735	20585	33	25854	54684
115 52	14745	87688	37	88745	57657	32	89735	53586			
203						8-	88846	22686			
206 82	62745	55488	43	25853	24284	3-	81747	57587	8-	02855	24685
210 57	02945	20527	36	81843	22385	5-	01853	21413	53	02745	20426
219 84	25854	56565	36	25854	55684	80	25754	57684	36	81744	56785
230 8-	22857	20467	86	81955	20386	36	25853	51583	82	81756	53488
245 5-	22647	22667	8-	81747	24287				50	01744	20114
260			80	01854	22424	20	01764	55484	9-	82648	55688
278 5-	51738	20368	8-	22847	01648	8-	02855	57425	52	22747	24388
279 62	58626	53658	62	05623	51628	80	01764	22664	82	81645	19688
285			6-	63628	24568				27	01744	26665
288 5-	05648	18528	5-	22746	52466	50	01763	20435	57	02845	2457
575 67	62745	53468	26	22744	57564	20	25843	57683	86	05654	20426
301 52	61745	22558	62	62648	20568	50	05673	22523	54	02766	55627
321 57	05655	51428	53	22645	51567	8-	05648	57518	52	02746	55628
293 5-	05646	20426	52	05645	22468	80	01753	22413	81	02755	22316
292 52	05656	20428	37	62553	53365	50	01742	24582	5-	02858	24428
310			--	57109	20560				--	01635	24515
614 52	51647	53428	52	62645	53168	52	05555	23328	57	05645	20327

III $C_L C_M$ (13h. G.M.T. 29th March)	wwVhNh	DDFWN	$C_L C_M$ (18h. G.M.T.)	wwVhNh	DDFWN	$C_L C_M$ (01h. G.M.T. 30th March)	wwVhNh	DDFWN	$C_L C_M$ (07h. G.M.T.)	wwVhNh	DDFWN
333 52	61756	55668	57	25656	55668	8-	81656	55526	57	21846	55588
334 --	51647	28388	--	56537	28458				--	03647	24528
340 52	02944	22567	52	61844	20568	52	02745	24165	57	02844	24327
136 51	02947	20518	52	62743	18568	50	22644	21564	57	02754	20467
336 13	02753	24416	62	62626	20468				57	02656	28528
350 5-	21844	53557	5-	61846	20428	5-	05668	22458	5-	02756	21428
368 50	05665	57555	62	62636	53468	5-	02648	57548	57	02644	57528
379 5-	21·37	53559	5-	62687	20568	5-	51638	53568	5-	02747	20367
390 5-	05558	18528	57	05544	53458	5-	52438	51558	57	05575	55236
382 57	02846	51528	57	61846	20368	5-	02766	23368	57	02855	22268
438 57	02764	22517	57	04536	20648	5-	08448	20658	5-	51548	22658
430 5-	02748	19528	52	05634	53528	5-	05637	57668	56	05645	22327
409 17	02751	22527	5-	62628	55568	5-	61528	57568	5-	02725	57528

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 30th March. 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	bccir₀	ir₀cr₀	cr₀rr₀c
Croydon	bc₀c₀cid₀	cid₀dccm₀cr₀cd₀m₀c	
Greenwich	bc	cr₀c	crr₀c
Camden Square	b	c	*
Kensington	bcc	c	*
Hampstead	bcp	or	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. 0·1, Time 15–19h 29th; Min. <0·1, Time rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	48	45	Tr	1	2·6	*	*
Croydon	52	47	45	Tr	1	3·2	*	*
Greenwich	54	47	43	Tr	0·8	3·0	81	74
Westminster	53	49	43		0·5	*	81	75
Regents Park	52	49	46	Tr	1·2	*	75	58
Camden Square	51	50	48	-	1·0	*	*	77
Kensington	54	48	45	·	0·6	*	74	77
Hampstead	51	46	42	Tr	1·1	*	*	80

SECRET

Wednesday 31st March 1943.

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BRITISH SECTION

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

No. 29713

OBSERVATIONS at 13h. G.M.T. 30th March

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·5	-6	W'S	5	c	58	55	43	8	7	3	6	2-3	9	2500
	Croydon	13·8	-6	W'N	5	c	58	60	44	8	4	4	1	7-8	9	2200
	S. Farnborough	13·2	-6	W	6	c	59	65	45	8	7	-	8	7-8	9+	1800
	Boscombe Down	14·6	-2	W'S	5	c	55	75	47	8	5	-	-	7-8	10	1200
	Thorney Island	14·7	-2	SW	4	c-bc	59	75	52	7	5	-	-	7-8	7-8	2500
	Lympne	13·9	0	SW	4	c	55	75	47	7	2	6	-	9	9+	2000
	Manston	12·6	+2	WSW	4	c	57	65	45	8	1	4	-	9	10	2200
2	Shoeburyness	12·8	+6	W'S	4	c-bc	58	65	46	7	5	1	-	7-8	7-8	2500
	Felixstowe	10·6	-4	WSW	5	c	57	65	46	7	5	7	-	9	9+	4000
	Gorleston	08·1	-6	SW'W	5	bcq	57	55	40	7	5	7	-	2-3	4-6	2500
	Mildenhall	09·3	-6	SW	6	c	56	65	45	8	5	7	-	9	10	3000
	Cranwell	06·5	-8	SW'W	6	c	58	65	45	8	8	-	6	7-8	9+	2200
3	Birmingham	09·0	-4	WSW	6	c	55	65	44	8	5	-	-	10	10	1500
	Upper Heyford	11·1	+6	WSW	5	c	51	85	47	7	5	7	-	4-6	9+	1800
4	Ross-on-Wye	11·3	-8	WSW	5	c	57	75	50	8	5	-	8	7-8	9	3000
5	Hartland Point	14·7	-8	WNW	5	c	51	97	50	6	5	-	3	9	9+	1200
	Bristol	14·2	-4	W	5	z₀	53	85	50	6	5	-	-	10	10	1500
	Portland Bill	16·7	+2	WSW	5	e	52	85	48	8	4	7	-	7-8	10	4000
	Plymouth	18·5	0	WSW	5	z₀	54	85	50	6	5	-	-	9+	9+	1200
	The Lizard	19·3	0	WNW	6	o	53	92	51	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	19·4	-6	W'S	6	c	55	85	52	6	5	-	-	9+	9+	800
	Guernsey															
6	Pembroke	12·2	-8	SW'W	5	cq	51	85	48	6	2	4	-	7-8	10	2500
7	Holyhead (Valley)	06·9	-14	SW	6	c	51	85	47	7	5	-	-	10	10	2000
	Chester (Sealand)	06·9	-8	SW	4	c	57	65	47	8	5	7	-	9+	10	2500
8	Manchester	06·5	-6	SW	5	c	54	75	46	8	4	7	-	7-8	10	2500
10	Spurn Head	04·6	-14	WSW	5	cq	49	65	38	7	7	7	-	4-6	9+	800
	Catterick (Sc)	99·4	-18	WSW	6	pr₀	53	85	49	7	3	-	8	7-8	9+	2000
	Tynemouth	95·5	-30	W	6	c-bcq	57	55	43	7	8	-	-	7-8	7-8	2200
11	St. Abbs Head	91·3	-24	SW	6	pr₀	53	92	50	7	5	2	-	7-8	9+	2500
	Leuchars	90·5	-24	SW'W	5	rr	48	92	46	6	6	2	-	7-8	10	1500
12	Renfrew (Abbots I.)	92·0	-38	WSW	7	r₀r₀	52	85	48	6	6	2	-	4-6	10	800
	Eskdalemuir	95·6	-34	W	7	rr	48	85	45	6	6	-	-	10	10	700
	Point of Ayre	00·2	+22	W	7	c	53	85	48	8	6	1	-	4-6	10	800
13A	Tiree	90·4	-20	WSW	5	r₀r	47	97	47	6	6	2	-	4-6	10	1000
13B	Stornoway	84·6	-10	WSW	7	c/phr	44	85	40	8	8	4	8	7-8	9	2500
15	Dalwhinnie	88·8	-26	SW	3	rr	41	85	38	6	5	-	-	10	10	1500
	Aberdeen	87·2	-18	WSW	5	c/pr	52	55	37	8	4	1	-	2-3	10	4000
	Wick	84·9	-16	WSW	5	c/pr	43	75	37	8	9	7	-	7-8	10	1500
16	Sumburgh	78·6	-14	W'S	8	PHR	45	92	42	8	9	6	-	7-8	7-8	1500
17	Blacksod Point	02·2	-18	WSW	7	c/r	52	85	48	7	6	2	-	4-6	10	1500
18	Malin Head	93·7	-22	WSW	8	ir₀	51	92	49	6	6	2	-	4-6	10	1500
	Aldergrove	99·3	-20	WSW	5	r₀r₀	50	85	46	7	6	2	-	9	10	1000
19	Birr Castle	07·9	-12	WSW	5	c	52	75	45	7	6	2	-	7-8	10	1500
20	Valentia Obsy.	14·9	-6	WSW	6	c	53	75	46	7	5	-	-	10	10	2500
	Roches Point	13·3	-12	W	5	bc	55	85	51	8	5	-	5	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 30th March — 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. 30th (39)	Weather 13h.–18h. 30th (40)	Weather 18h. 30th to 1h. 31st (41)	Weather 1h.–7h. 31st (42)
London (Kew)	09·6	-12	WSW	5	c	55	66	42	7	7	3	6	7-8	9+	1500	1	*	cm₀cy	cyc	cz₀	cz₀c
Croydon	11·6	-14	W'N	6	c	56	65	43	7	1	-	9	4-6	10	1800	0	*	c	c	cir₀c	ccir₀bc
S. Farnborough	10·8	-14	W'N	6	c	55	75	47	8	7	7	8	4-6	9+	1800	0	*	c	ccyc	cr₀c	c,b,c
Boscombe Down	13·3	-10	W'S	6	c	53	65	42	8	5	3	2	4-6	9+	1800	0	*	c		cm₀c	cbcc
Thorney Island	13·6	-6	SW'W	5	c	53	85	48	7	5	1	6	2-3	9	4000	0	*	cm₀c	cm₀c	ccir₀	cir₀bcc
Lympne	11·3	-16	WSW	5	z₀	50	92	47	6	5	7	7	2-3	10	400	0	§	c	cm₀	cbccm₀	cd₀r₀c
Manston	10·2	-2	SW'W	5	c	54	85	49	7	1	-	8	1	9	3500	0	*	c	c	cbcz₀	cz₀pr₀q
Shoeburyness	09·6	-24	W'S	5	c-bc	55	65	44	7	1	7	-	4-6	7-8	2500	0	*	cm₀cz₀c	c		c
Felixstowe	07·2	-22	WSW	7	c	56	65	46	7	1	7	6	2-3	9	4000	0	5	cm₀c	c	cbm₀cm₀	cr₀r₀cz₀bc
Gorleston	04·9	-24	SW	5	cq	57	65	45	7	8	7	-	4-6	9+	1800	0	4	cbcqy	cq	cbccopr₀	pr₀lbc
Mildenhall	05·3	-22	WSW	6	c	55	65	45	8	5	3	8	2-3	9+	2300	1	*	c	c	cbccrr	crrbccbc
Cranwell	03·5	-18	WSW	7	c	56	55	42	7	5	-	-	9+	9+	1500	0	*	cpr₀c	ccy	bccir₀rrbc	bccbc
Birmingham	06·3	-10	SW	5	c	53	75	46	8	5	-	-	10	10	1500	0	*	c	c	c	cbc
Upper Heyford	08·1	-10	W'S	5	c	52	75	45	7	5	7	2	4-6	9+	2000	0	*	cid₀c	ccjpc	cir₀m₀bc	bcbbcpr₀v
Ross-on-Wye	08·5	-6	WSW	6	cq	52	75	44	8	5	3	8	4-6	9	2000	1	*	cc	ccq	cq	cbcc
Hartland Point	12·6	-10	WSW	5	c	50	85	46	6	5	-	-	9+	9+	1200	1	5	cm₀	c	cm₀	prpcc
Bristol	12·2	-6	W	7	z₀	52	85	46	6	5	3	2	4-6	7-8	500	1	*	cpr₀cidcm₀	cm₀ccm₀	cm₀	cm₀r₀pr,b
Portland Bill	15·4	-6	WSW	5	c	50	85	46	8	5	-	-	10	10	4000	1	5	cc	oc	o	c
Plymouth	16·8	-14	W	6	c	53	85	47	7	5	2	6	4-6	9+	1200	1	3	cm₀	c	ccm₀	cir₀m₀
The Lizard	18·2	-6	WNW	6	c	51	92	49	6	5	-	-	9+	9+	1000	0	5	cc	c	omz	cid
Scilly (St. Mary's)	18·1	-8	W	6	c	52	85	48	6	5	2	-	9	10	1000	1	5	c	cqm₀	c	cbcc
Guernsey																					
Pembroke	09·9	-14	SW'W	8	cq	51	85	47	6	2	3	1	4-6	9+	2500	0	5	cqm₀	com₀	cbccprq	bccq
Holyhead (Valley)	04·0	-18	SW'W	8	oq	51	75	46	7	5	-	-	10	10	1000	1	6	c	c	cbc	b,c
Chester (Sealand)	04·3	-10	SW	5	c/pr	53	75	45	8	5	2	-	9	10	1400	0	*	c	cpr₀	ir₀z₀c	cbbc
Manchester	03·6	-16	SW	6	cq/r	50	92	46	6	5	2	-	7-8	10	1000	1	*	cir₀	cr₀r₀	iRbcm₀	bcz₀bbc
Spurn Head	00·3	-10	WSW	8	cbcq	54	65	43	7	7	7	-	4-6	7-8	800	0	4	cq	c	bq	cq
Catterick (Sc)	96·1	-24	W	7	crrq	50	92	48	4	5	7	-	7-8	10	1500	1	*	bcpr₀	cpr₀r₀m	cr₀m₀pr	cir₀cbc
Tynemouth	92·6	-20	W	9	c/pr	54	65	43	7	8	-	-	9	9	2200	1	4	cq	cp₀q	cprbq	bcq
St. Abbs Head	87·5	-10	W	6	rr	46	92	44	7	5	4	-	7-8	9	2500	1	5	corc	cprcrr	cr₀b	bcobc
Leuchars	85·6	-28	WSW	6	ir₀q	48	75	42	8	6	2	-	7-8	9	2000	1	*	pr₀crrm₀	crrcirm₀cir	ir₀bcb	bcc
Renfrew (Abbots I.)	90·0	-8	W'S	5	pr₀q	47	85	42	7	8	-	-	7-8	9+	1000	2	*	cm₀rrm₀rq	cmr₀r₀rr	cpr₀qbcpr₀phrbcm₀ir₀c	cprc
Eskdalemuir	90·8	-24	W	7	RR	44	97	43	5	6	-	-	10	10	500	2	*	cr₀rr	rrRR	Rprc	cprc
Point of Ayre	95·5	-22	W	8	c	51	85	47	8	6	6	6	4-6	9+	800	0	5	cr₀c	c	PRcb	bbcc
Tiree	90·9	+18	WNW	7	bs/pr	41	97	41	7	3	6	-	2-3	4-6	2000	1	6	cr₀r₀	crrbccphprbc	bcpr	cprc
Stornoway	84·1	+10	W	6	cbc/phr	41	85	36	8	8	-	3	7-8	7-8	2200	1	5	cpr₀ph₀c	cprqph	bcpr₀c	bcpr₀bccpr₀
Dalwhinnie	86·0	-8	W	4	c	38	85	33	8	5	6	-	7-8	9	2500	1	*	orr	orrc	*	coprprs
Aberdeen	83·5	-32	W'N	2	r₀r₀	47	75	40	7	5	7	-	7-8	9	400	1	2	bcpr₀cy	cr₀r₀c		bbcpr
Wick	82·6	-12	SW	3	pr₀	38	85	33	9	9	7	-	7-8	9+	1200	1	*	cprbcc	cpr₀pr₀	cr₀s₀crs	bcpr₀bccpr₀
Sumburgh	76·8	-14	W	7	cch₀	40	97	40	7	9	-	-	9+	9+	1200	4	5	bcaph	prh₀	cpRph₀bc	bcpr₀bcjp
Blacksod Point	02·9	+18	W	7	c/d	51	85	47	7	8	-	2	7-8	9	1500	2	6	r	d	pr	r
Malin Head	94·3	+18	W	7	ir₀q	47	65	36	7	6	-	-	9	9	1500	1	5	pr	r	pr	pr
Aldergrove	97·7	-2	W'N	6	cr₀	47	92	46	7	8	7	-	9	9	1500	1	*	cr₀r₀m₀	cir	cpr₀bbc	bccbc
Birr Castle	05·6	-10	WSW	5	ir	51	85	47	7	6	2	-	7-8	10	1500	1	*	r	r	*	c
Valentia Obsy.	13·4	-4	WSW	6	cq	53	85	49	7	5	-	-	10	10	1500	1	5	r	o	r	d
Roches Point	11·2	-10	W	5	bc/pr	53	85	49	8	3	-	5	4-6	4-6	1500	1	4	c	pr	pr	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 31st March, 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England ↓; 6 South Wales ↓	Moderate or fresh southwest wind strong locally on coasts; cloudy; occasional light rain; hill fog near western coasts; rather cold.
7 North Wales ↓; 8 N.W. England ↓; 9 N. Midlands; 10 N.E. England ↓; 11 S.E. Scotland ↓; 12 S.W. Scotland & Isle of Man	Moderate or fresh southwest to west wind strong to gale locally on coasts; cloudy with some rain at first; bright intervals and local showers later; rather cold.
13A W. Scotland; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Fresh southwest to west winds strong to gale on coasts veering west to northwest; occasional rain at first; bright intervals and showers of rain or hail later; cold.
16 Orkneys and Shetlands ↓	Wind west to northwest strong to gale; squally showers of rain or hail; cold.
17 N.W. Ireland ↓; 18 N.E. Ireland ↓; 19 S.E. Ireland; 20 S.W. Ireland ↓	As 7-12.

GENERAL INFERENCE

Pressure is low to the northeast and high to southwest of the British Isles and a small depression is expected to move east across South Scotland. Weather will be mainly cloudy with appreciable rainfall in the North and light rain in the South. Later there will be bright intervals and showers in the North.

FURTHER OUTLOOK

Unsettled and probably stormy. Considerable rainfall in the northwest but amounts small in the southeast. ↓ Gale warning in operation in districts 13B, 15, 16. issued at 2305h G.M.T. 28th March. in districts 17, 18 issued at 0915h G.M.T. 29th March. in districts 7, 8, 11, 20 issued at 0830h G.M.T. 30th March. in districts 6, 10 1155h G.M.T. in district 5 issued at 1920h G.M.T. on 30th March. 1943.

Forecasts issued at 10.30

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

7h. Wednesday 31st March, 1943.

LOW

HIGH

STATION MODEL

High Cloud
Total Amount of cloud
Medium cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past 3 hours in 8 mbs.
Dew Point °F
Weather in past hour
Past weather
Low cloud
Amount of Low cloud
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1 : 5,000,000

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

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

Explanation of Frontal Lines shown on Charts

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

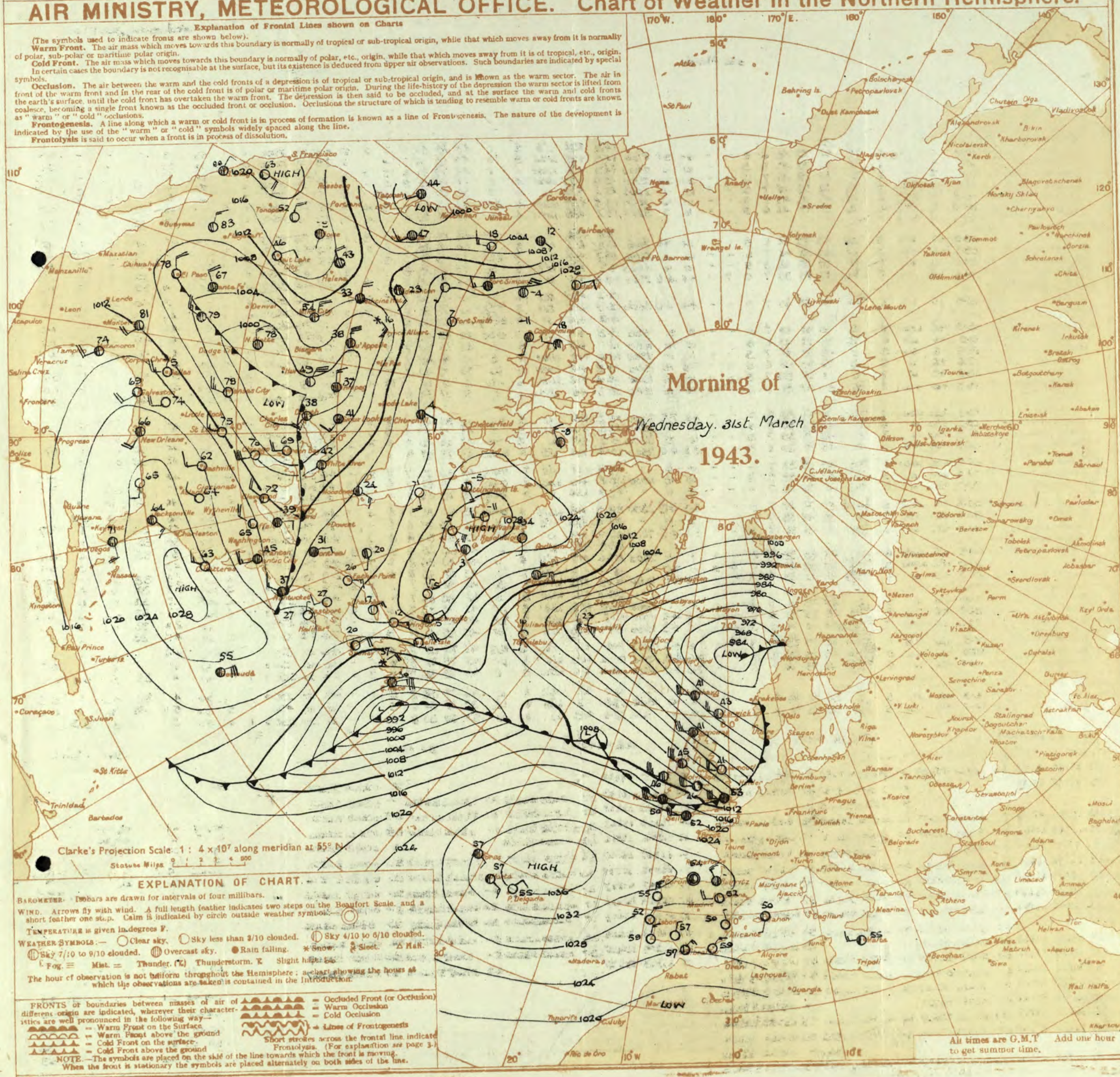
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday, 31st March 1943

No. 29713

OBSERVATIONS at 1 hr. G.M.T. 31st March

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	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	10·5	-6	W'N	6	c/r	53	75	45	6	5	-	-	9+	9+	2700
	S. Farnborough	226	10·1	-8	W'N	6	o/r	52	75	45	8	5	-	-	10	10	2400
	Boscombe Down	417	11·6	-2	W	6	c	52	75	45	7	5	-	-	9+	9+	2500
	Thorney Island	10	13·1	-4	SW'W	5	iro	52	85	46	7	5	-	-	10	10	2300
	Lympne	283	10·5	-4	WSW	6	ido	49	85	45	6	5	-	-	10	10	1000
	Manston	154	08·5	-6	WSW	4	zo	51	75	44	6	5	-	-	9	9	3200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	05·5	+2	W'S	6	zo	53	75	44	6	5	-	-	9+	9+	3100
	Gorleston	5	03·5	+6	NW	6	pr	49	92	46	7	6	-	-	10	10	1500
	Mildenhall	15	04·9	+12	W	7	rr	52	85	48	8	5	-	-	10	10	4600
	Cranwell	203	04·6	+38	WNW	6	bc	47	75	38	7	5	7	-	4-6	4-6	2500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·5	+6	W'S	6	bc/r	51	85	45	7	5	-	-	4-6	4-6	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·9	+6	WNW	6	zo	50	92	49	6	5	-	-	9	9	1500
	Bristol	209	12·2	+6	W'S	6	ido	51	92	49	6	5	-	-	10	10	1000
	Portland Bill	32	13·6	-8	SW-	5	c	48	92	46	7	5	-	-	10	10	2500
	Plymouth	82	17·4	+6	W	6	zo	53	85	49	6	5	2	-	7-8	10	1500
	The Lizard	240	18·8	+2	W	7	c	51	97	50	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	19·3	+10	W'N	6	zo	52	97	51	6	5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	12·8	+24	WSW	7	c-bcq	51	97	50	7	2	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	09·2	+30	W	6	b	46	65	36	8	4	-	-	Tr	Tr	3500
	Chester (Sealand)	16	07·3	+30	W	7	c	48	75	39	7	5	-	-	10	10	3300
8	Manchester	235	06·8	+36	W'S	6	zo	45	75	39	6	5	-	-	4-6	4-6	2500
10	Spurn Head	29	02·5	+56	WNW	7	bq	47	65	38	7	-	-	-	0	0	-
	Catterick (Sc.)	192	02·3	+40	W	5	PR	40	92	38	5	8	-	-	10	10	1000
	Tynemouth	108	99·3	+36	W	8	bq	41	75	33	7	-	-	-	0	0	-
11	St. Abbs Head	280	92·6	+8	WSW	6	b-bc	40	97	40	7	5	-	-	2-3	2-3	2500
	Leuchars	36	94·7	+26	W'N	7	b	38	85	35	7	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	99·8	+32	W	4	bc/pr	42	75	36	7	3	-	-	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	04·5	+38	NW'N	6	b	44	85	38	8	4	-	-	1	1	2500
13A	Tiree	44	99·0	+32	WNW	8	b-bc/pr	42	92	41	8	-	7	2	0	2-3	-
13B	Stornoway	15	91·5	+32	W	7	c-bc/pr	41	92	39	7	3	-	-	7-8	7-8	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	91·5	+28	W	5	b	39	75	31	8	2	-	-	1	1	3000
	Wick	114	86·7	+26	SW	5	bc/rs	38	75	29	8	9	-	-	4-6	4-6	1500
16	Sumburgh	19	79·0	+24	W'N	7	b-bc/ph(r)	44	92	41	8	3	-	-	2-3	2-3	1500
17	Blacksod Point	18	10·5	+22	W'N	7	bc/pr	46	75	39	8	9	-	-	4-6	4-6	1500
18	Malin Head	84	02·5	+30	WNW	8	bc/pr	45	75	38	8	9	-	-	4-6	4-6	1500
	Aldergrove	268	06·1	+36	W	6	b-bc/pr	42	75	34	7	3	-	-	2-3	2-3	1800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·9	+12	W'N	5	c	50	92	48	7	5	-	-	10	10	1500
	Roches Point	22	14·2	+18	W'N	5	c/pr	53	92	51	8	3	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 31st March

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14·3	+34	W'S	2	c	49	65	36	7	7	7	6	4-6	9+	2500	1	*
Croydon	14·9	+38	WNW	3	c	49	65	36	7	4	-	2	2-3	9	8000	0	*
S. Farnborough	14·8	+26	WNW	4	c	49	75	40	8	7	7	6	1	9+	2500	1	*
Boscombe Down	15·6	+30	WNW	4	c	47	65	35	8	5	-	2	Tr	9+	2500	0	*
Thorney Island	15·2	+24	W	4	c	50	65	39	8	5	-	7	1	10	2500	1	*
Lympne	14·4	+38	WNW	4	c-bc	47	75	39	8	5	4	9	2-3	7-8	2000	1	§4
Manston	13·2	+38	NW'W	4	c	48	75	39	8	7	4	8	2-3	10	5000	1	*
Shoeburyness	13·4	+34	W	4	c-bc	48	65	36	7	5	3	1	4-6	7-8	2500	1	*
Felixstowe	11·8	+34	W	5	bc	46	75	40	7	5	1	2	2-3	4-6	4000	1	5
Gorleston	09·7	+32	W	3	c-bc	44	75	37	7	5	7	-	4-6	7-8	2000	1	3
Mildenhall	11·3	+26	W'S	2	bc	43	75	35	8	1	-	2	1	4-6	3000	1	*
Cranwell	08·8	+14	W	5	bc	44	75	35	8	7	8	2	4-6	4-6	1800	0	*
Birmingham	12·2	+20	SW	4	bc	45	65	34	8	5	3	1	1	4-6	1500	1	*
Upper Heyford	12·9	+26	SW	3	c-bc/pr	45	75	36	8	5	7	6	4-6	7-8	2800	0	*
Ross-on-Wye	13·2	+14	W	5	c-bcq	46	65	35	8	5	-	2	1	7-8	2500	1	*
Hartland Point	17·3	+18	W	3	c-bc	48	85	45	7	5	-	-	7-8	7-8	1200	1	5
Bristol	15·0	+10	W	5	c	46	75	39	7	5	-	2	7	9	2500	1	*
Portland Bill	16·4	+18	WNW	4	c	49	92	45	7	5	7	-	7-8	10	4000	1	4
Plymouth	18·8	+16	WNW	5	iro	53	85	49	7	5	2	-	9	9+	1200	0	4
The Lizard	20·4	+16	WNW	6	ido	51	97	51	7	5	-	-	10	10	1000	1	4
Scilly (St. Mary's)	20·3	+6	WNW	6	c	51	97	51	6	5	7	-	7-8	10	1000	1	5
Guernsey																	
Pembroke	16·2	+16	W	5	cq	48	85	43	8	2	4	-	7-8	10	2500	0	4
Holyhead (Valley)	12·3	+10	W	5	c	46	75	39	8	5	7	-	2-3	9+	2500	1	6
Chester (Sealand)	10·5	+14	W	3	bc	47	92	45	8	5	3	2	2-3	4-6	2500	1	*
Manchester	10·4	+14	W'S	5	b-bc	43	75	37	8	1	3	-	1	2-3	4000	1	*
Spurn Head	06·9	+24	W'S	7	c-bcq	45	65	35	7	7	7	-	4-6	7-8	1500	0	4
Catterick (Sc.)	05·2	+16	WNW	4	c-bc	43	75	37	7	5	-	9	4-6	7-8	2000	1	*
Tynemouth	02·9	+24	W	8	bcq	43	75	36	7	-	3	1	0	4-6	-		3
St. Abbs Head	98·3	+18	WSW	6	c-bc	43	65	33	7	5	4	-	4-6	7-8	3500	0	5
Leuchars	98·2	+18	W'N	5	c	41	55	25	8	5	-	7	Tr	9+	3000	0	*
Renfrew (Abbots I.)	02·9	+14	W	5	c/r	42	85	39	8	5	2	-	2-3	10	1200	2	*
Eskdalemuir	03·8	+22	W	6	c	40	85	35	8	5	7	8	4-6	9	2200	1	*
Point of Ayre	07·6	+12	W'N	6	c	44	85	38	8	8	7	6	2-3	9+	3000	1	5
Tiree	02·1	+18	W'N	7	c/pr	43	97	43	8	8	2	-	2-3	10	1000	1	6
Stornoway	94·9	+20	WNW	8	pr	42	92	40	7	3	6	6	4-6	10	1500	1	5
Dalwhinnie	98·0	+16	WNW	3	c	37	85	33	7	5	2	-	4-6	10	2500	1	*
Aberdeen †	95·9	+36	WNW	5	pr	42	75	33	8	9	-	6	2-3	4-6	2500	1	4
Wick	91·7	+26	WNW	5	pr	40	85	35	8	9	-	-	7-8	7-8	1500	1	*
Sumburgh	84·1	+20	W'N	8	pr	45	85	41	8	3	-	3	7-8	7-8	1500	1	5
Blacksod Point	11·4	+2	W'N	6	roro	47	75	39	7	6	2	-	4-6	10	1500	1	5
Malin Head	05·2	+12	W'N	8	pr	45	75	37	7	9	-	-	10	10	1500	1	6
Aldergrove	08·6	+16	WSW	5	c	42	85	36	7	5	7	-	7-8	9+	2000	1	*
Birr Castle	13·2	+2	WSW	2	c	46	75	38	8	5	1	-	7-8	9+	2500	1	*
Valentia Obsy.	17·3	-2	W'S	6	ido	52	97	51	6	5	-	-	10	10	450	1	5
Roches Point	16·6	+10	W	4	c	52	92	50	8	5	-	-	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
London (Kew)	59	48	4[illegible]	-	-	1·3
Croydon	59	49	[illegible]	-	-	2·0
S. Farnborough	61	43	[illegible]	-	-	4·5
Boscombe Down	58	46	42	Tr	-	1·9
Thorney Island	60	50		Tr	Tr	*
Lympne	57	46	42	-	1	3·7
Manston	61	48	45	-	1	2·7
Shoeburyness	59	47	39	-	1	1·2
Felixstowe	61	45	[illegible]	-	0·5	2[illegible]
Gorleston	59	[illegible]	38	-	2	1·[illegible]
Mildenhall	59	[illegible]	35		1	1·3
Cranwell	59	44	39		2	1·0
Birmingham	60	43	40	-	-	1·1
Upper Heyford	56	44	39	Tr	Tr	*
Ross-on-Wye	58	46	41	-	-	1·0
Hartland Point	51	48	46	-	1	1·2
Bristol	54	45	41	0·1	0·4	0·2
Portland Bill	52	46	*	-	-	*
Plymouth	56	51	49	-	Tr	0·7
The Lizard	54	50	*	-	Tr	1·6
Scilly (St. Mary's)	55	51	46	Tr	-	3·2
Guernsey						
Pembroke	52	47	*	-	Tr	2·4
Holyhead (Valley)	52	44	43	Tr	Tr	*
Chester (Sealand)	60	46	42	Tr	1	1·7
Manchester	54	43	39	0·3	4	*
Spurn Head	57	44	*	-	Tr	0·5
Catterick (Sc.)	55	38	37	0·4	1	3·0
Tynemouth	57	40	37	Tr	1	*
St. Abbs Head	55	40	*	3	0·4	*
Leuchars	52	38	34	4	Tr	3·7
Renfrew (Abbots I.)	52	39	35	14	6	0·0
Eskdalemuir	49	35	33	17	6	0·0
Point of Ayre	54	[illegible]3	*	0·4	3	0·1
Tiree	49	[illegible]3	38	4	0·5	0·0
Stornoway	48	[illegible]3	32	3	4	4·7
Dalwhinnie	42	[illegible]	32	18	12	0·0
Aberdeen †	54	[illegible]7	32	0·6	2	0·4
Wick	46	[illegible]	33	0·2	2	*
Sumburgh	45	40	33	4	2	3·1
Blacksod Point	52	44	*	1	1	*
Malin Head	52	40		4	1	0·2
Aldergrove	57	40	36	3	0·1	0·0
Birr Castle	56	43	38	0·3	1	0·5
Valentia Obsy.	54	50	48	Tr	1	0·0
Roches Point	56	51	*	0·1	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 30th March $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 31st March $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	86	25744	56785	36	25744	55687	9-	27645	57785	3:	27754	57784
115	52	89845	57688				37	27845	95787	37	88845	95787
203							8-	25845	21605			
206	52	62754	57588	9-	81657	57687	00	00890	58880	36	02844	59685
210	52	62748	20568	9-	81738	22688	06	01890	55412	96	25845	23486
219	86	22756	55667	3-	88847	57817	36	25853	58784	87	14853	58888
230	52	62746	18568	8-	81857	91587	3-	81844	60584	8-	81758	20588
246	87	25743	56487	24	10745	24385	50	01841	25401	87	02587	02952
260	62	62646	56668	57	62644	56667	00	05690	56780	57	02764	56618
278	52	61847	56568	8-	25837	55687	8-	81718	58688	57	02853	24588
279				62	61636	55768	80	25854	57584	50	81854	57525
285	62	64624	24668	62	64624	22668				23	02746	24667
288	1-	01854	55715	50	51748	54758	50	01761	56561	57	02854	24427
575	62	61635	55668	67	62635	57768	20	01843	59783	8-	81744	57487
301	5-	02758	22768	52	21646	55768	50	01862	40762	26	01853	56715
321	87	02748	57628	87	02753	55727				27	05653	57624
[illegible]	8-	02757	22517	82	02744	22627	00	00790	24600	55	14753	24514
292	52	02854	57627	62	61635	57688	30	01753	24583	93	81845	24686
310										←	01634	26614
614	81	02754	87526	53	02755	55827	07	22690	57764	53	02754	59425
333	5-	01755	54657							51	02766	23428
334	--	25646	28587	52	05655	54628	80	25764	58784	--	02646	24517
340	77	02855	22628	52	51855	53558	52	22744	61567	53	01843	24324
13[illegible]	5-	02757	53527	5-	02755	22628	5-	22768	26868	59	02844	22416
336	13	01754	28515	57	02656	24628				13	01763	28414
350	9-	02867	55527	53	02753	55527	5-	05657	57628	53	01764	23324
368	5-	05526	55528	53	05553	57625	5-	62648	57728	54	01653	57514
379	5-	02747	22527	5-	05637	55527	5-	05656	57666	20	02753	24365
39[illegible]	5-	05654	55427	57	05654	53628	50	05568	54628	50	01761	57414
382	57	02855	56627	57	02836	56628	50	51754	56624	57	02864	58426
438	87	14744	22628	5-	47388	22628	5-	14548	22728	84	14744	24615
43[illegible]	50	02854	55425	57	05643	53626	5-	51645	57528	50	01742	23417
409	5-	02725	55527				52	22647	57568	57	02626	58567

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 31st March
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	cmoey	c	czoczc
Croydon	c	c	cirobc
Greenwich	cy	c y	cqcy
Camden Square	c	c	*
Kensington	cbcc	cbc	*
Hampstead	c	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended — Max. 0·1 7–11h 30th; Min. Time <0·1 rest of period

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	59	48	42	-	-	1·3	*	*
Croydon	59	49	45	-	-	2·0	*	*
Greenwich	59	48	41	-	-	0·9	57	50
Westminster	62	45	42	-	-	*	59	55
Regents Park	58	48	45	-	Tr	*	61	49
Camden Square	59	48	41	-	-	*	*	56
Kensington	60	48	44	-	-	*	59	53
Hampstead	58	43	39	-	-	*	*	55