M.O. Form 2373

SECRET

M.O. METEOROLOGICAL OFFICE LIBRARY

THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June,

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.

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 state of ground (E)—Column 31.

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

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.

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	1½ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

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

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

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

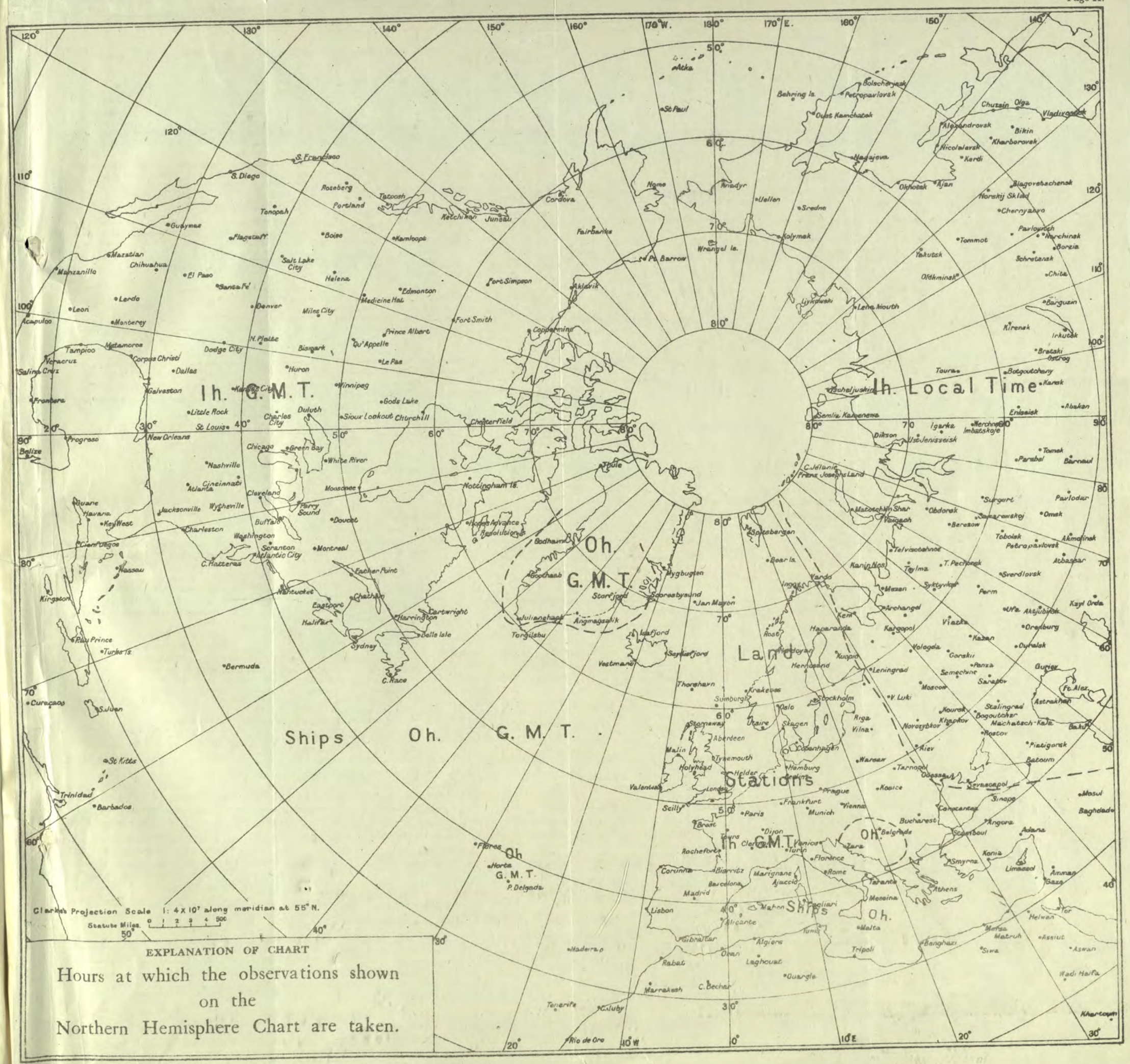
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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


1h. G.M.T.
1h. Local Time
0h. G.M.T.
Ships 0h. G.M.T.
Land Stations
1h. G.M.T.
0h. G.M.T.
Ships 0h.
Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500
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 to the plot of ground on which the rain gauge is situated.

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

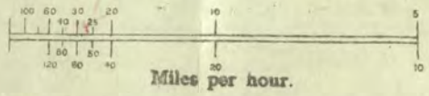
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 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 5 is indicated by two whole feathers and one half feather.

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

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

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

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

DUPLICATE

SECRET

METEOROLOGICAL OFFICE
- 4 AUG 1971
AIR MINISTRY.
LIBRARY

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

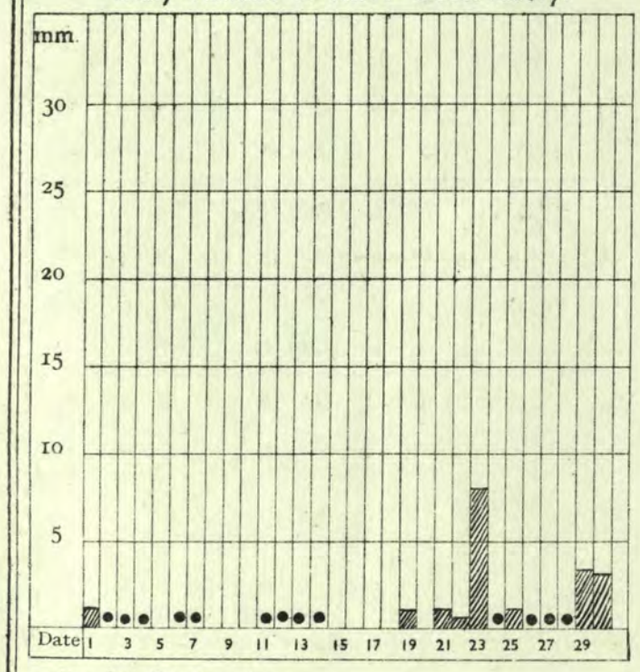
MONTHLY SUPPLEMENT,

April 1943 No. 316

Severe gale; generally mild.

The predominating features of the month were the vident storm of 6th-7th and the extremely mild conditions experienced in the South, notably on 5th and from 13th-18th. Mean temperature showed an excess of over 5°F above normal, making April the fifth successive mild month; at Ross-on-Wye it was the warmest April since 1893. Sunshine was below average in Ireland and West Scotland but elsewhere was about or somewhat above normal. Rainfall at some stations was about half the average while in Central Scotland the totals were in excess. There was little fog and only a few isolated thunderstorms were reported. Between 1st-4th an anticyclone remained in the South and on 5th a depression over Ireland moved east-southeast, and by 6th a number of stations in the North were reporting gales, accompanied by snow and sleet showers. Max. temperature with some readings of 68°F in the South on 5th recorded a sharp decline to 51°-53°F on the following day. On 7th this centre moved over the North Sea area and gales were widespread; gusts over 90 mph were reported, some stations having the highest since records began, and much loss of life and structural damage resulted. Winds gradually subsided on 7th and between 8th-12th; the anticyclone to the south of the British Isles remained almost stationary while minor troughs moved eastwards across the country; somewhat cool and rather dull conditions prevailed. On 13th a ridge of high pressure developed in the South with a weltdefined increase in temperature. This situation continued during 14th-15th and by the 16th an anticyclone to the west of Ireland also began to assert its influence as it moved slowly eastwards until 18th. During this period 13th-18th a summer-like spell of weather was enjoyed, with sunshine amounts in excess of 12 hrs, and maxima well above 70°F, notable readings being 78°F at S. Farnboro' on 16th and 77°F at Croydon on 16th and 17th. On the 19th the passage of a cold front across the country caused a sharp decline from the previous day of max. temperature in the South, the difference being as much as 19°F at Mildenhall. This front also brought rain to a number of stations which had received little since the early days of the month, although the amounts were still small. During 20th the high pressure slowly receded from the South and a depression moved up from the Bay of Biscay on the 21st, passed across the southern half of the country on 22nd moved to westward of Ireland on 23rd and brought much-needed rainfall to many southern stations. A new depression then began to approach our Northwest Seaboard on 24th and associated fronts brought rainfall 24mm at Valentia and 18mm at Roches Point. This system slowly continued its eastward movement on 25th-26th and some fairly large amounts of rainfall were recorded in Scotland on 25th, the highest being 34 mm at Dalwhinnie. On 27th an anticyclone remained to the south while on 28th a small depression off West Ireland moved eastwards and filled up. The 29th saw the developement of anticyclonic conditions over the British Isles but a further trough of low pressure moving eastwards passed across the country on the 30th.

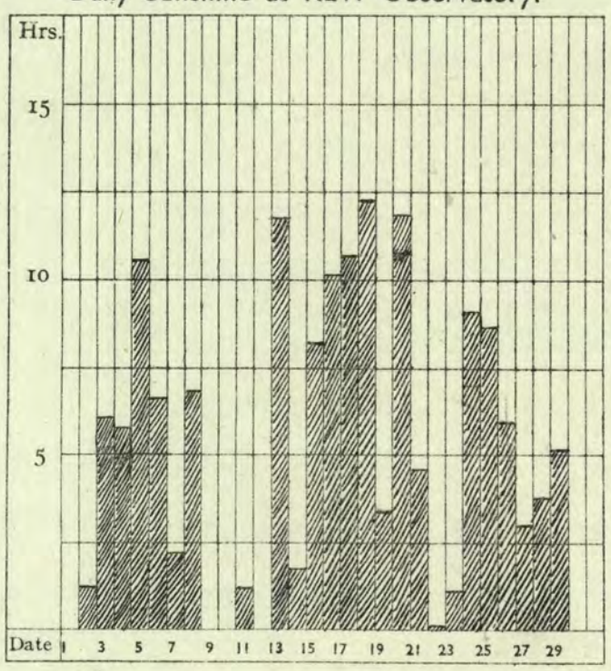
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

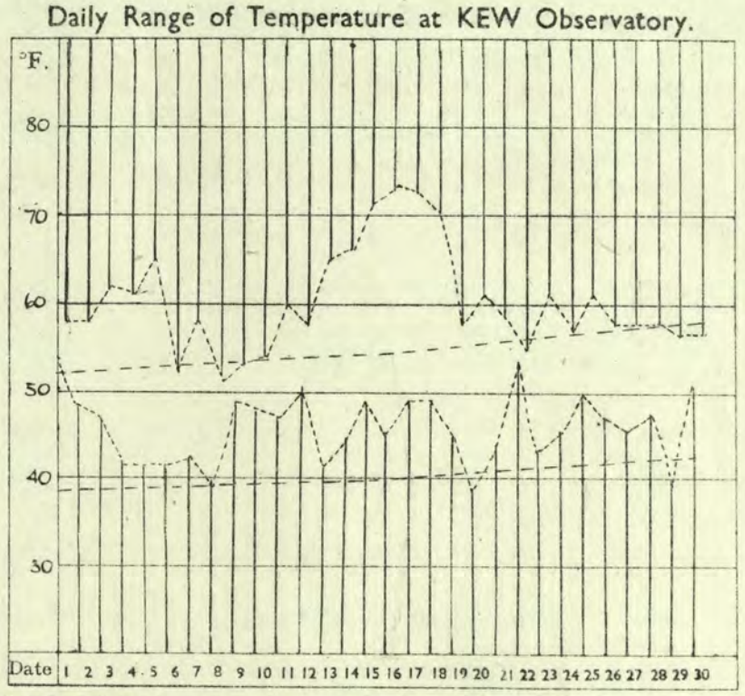
RAINFALL. Total for Month. 19 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 153 hrs.

Daily Range of Temperature at KEW Observatory.



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

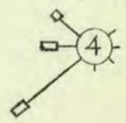
MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb	mb.	°F.	°F.
Kew	1019·6	+5·2	53.0	+5·3
Aberdeen	1010·9	+1·8	48·8	+5·3
Valentia	1020·6	+6·8	51·2	+3·8

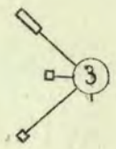
* Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. duly corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES at 7 hr.

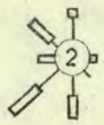
Kew



Aberdeen



Valentia



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 ...	6508
Aberdeen ...	7325
Lerwick ...	16,675

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°-71°	Average Maximum.	Minimum. 24°-32°	33°-41°	42°-50°	51°-59°	60°-68°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	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	0	17	9	4	54.6	0	7	20	3	0	40.8	74	16	51	8	54	1, 22	38	20	10	0	20	0	1	25	0	1	24	0	0	0	1	1	8	0	0	0	0	20
	Croydon ...	0	0	14	11	5	54.3	0	6	21	3	0	39.5	77	16, 17	51	8	55	22	35	20	2	4	10	2	3	22	0	1	20	3	0	0	1	0	11	0	0	0	1	18
	Thorney Island	0	0	17	11	2	53.6	0	7	21	2	0	41.1	73	16	53	8, 12	52	22	35	20	3	2	17	1	1	22	1	0	17	1	1	0	0	0	19	0	0	0	0	26
	Lympne ...	0	1	19	7	3	51.5	0	5	20	1	0	39.4	73	17	47	8	53	22	35	5, 8, 20, 29.	2	4	10	1	4	19	1	5	13	2	0	0	0	1	20	0	0	1	0	22
2	Shoeburyness...	0	1	14	11	4	53.5	0	6	21	3	0	39.2	76	17	50	8	53	1, 22	36	8	2	0	17	0	1	19	2	0	17	1	0	0	0	3	11	0	0	0	0	12
	Gorleston ...	0	1	19	7	3	50.7	1	6	21	2	0	40.6	73	17	47	8	51	15, 22	32	20	0	1	17	0	1	24	0	1	23	0	0	0	0	0	17	0	0	0	1	24
	Cranwell ...	0	1	13	15	1	53.4	0	9	21	0	0	37.6	74	16	50	8	49	22	33	21	5	2	18	0	3	20	1	0	22	0	0	0	0	1	5	0	0	0	1	17
3	Birmingham ... (Edgbaston)	0	2	18	8	2	52.2	0	8	21	1	0	39.4	73	16	49	6, 8	51	1	34	8	5	6	15	0	1	25	0	1	20	0	0	0	2	8	5	0	0	0	0	27
4	Ross-on-Wye...	0	1	16	11	2	53.9	1	6	20	3	0	39.4	74	16	50	6	55	1	32	20	3	1	20	0	0	27	0	0	25	0	0	1	0	0	19	0	0	0	0	27
5	The Lizard ...	0	1	22	6	1	*	0	2	25	3	0	*	69	17	50	6	52	17	40	8	*	2	28	0	1	27	0	3	25	0	0	0	0	0	29	0	0	1	0	28
7	Holyhead ... (Valley)	0	0	27	3	0	50.1	0	8	22	0	0	42.4	65	21	51	12	49	1, 2, 12, 18, 23	36	21	2	2	22	0	6	22	1	9	17	0	0	0	1	0	24	0	0	0	1	25
8	Chester ... (Sealand)	0	1	13	16	0	53.2	0	8	19	3	0	39.0	67	14, 15, 16	50	6	51	12, 14, 18	34	29	7	0	24	0	0	28	0	1	22	0	0	0	2	2	16	0	0	0	0	28
10	Tynemouth ...	0	2	21	7	0	49.3	0	10	16	4	0	39.7	64	14	48	6	53	18	36	6, 29	0	1	23	0	0	29	0	0	26	0	0	0	0	1	20	0	0	2	3	16
11	Leuchars ...	0	2	18	10	0	50.7	0	11	18	1	0	37.0	63	2, 9	47	6	51	18	34	6	4	3	23	0	2	28	0	1	27	0	0	0	0	0	26	0	0	0	0	29
12	Renfrew ...	0	4	24	2	0	51.9	0	10	20	0	0	37.0	63	21	48	6	50	18	33	8, 29	6	3	25	0	4	26	0	3	26	0	0	0	0	1	20	0	0	0	0	25
	Eskdalemuir ...	0	10	17	3	0	49.0	2	17	11	0	0	33.9	62	21	46	6	49	18	26	29	7	9	20	0	5	24	0	5	24	0	0	0	1	2	18	0	1	0	0	20
13H	Stornoway ...	0	6	24	0	0	48.8	1	13	13	3	0	38.1	56	14	42	6	53	14	31	16	2	5	24	0	4	26	0	5	24	0	0	0	0	0	23	0	0	0	0	26
15	Aberdeen ...	1	3	20	6	0	49.0	0	15	14	1	0	38.0	66	18	41	6	51	14	33	29	2	2	22	2	1	25	3	1	26	1	0	0	0	3	24	0	0	0	0	26
18	Aldergrove ...	0	3	20	7	0	52.3	0	11	18	1	0	38.3	61	14	50	1, 5, 6	51	18	33	6	1	5	24	1	2	28	0	1	28	0	0	0	0	0	19	0	0	0	0	28
19	Birr Castle ...	0	0	20	10	0	53.3	0	9	18	3	0	38.1	64	22	53	3, 6, 25	52	12	33	17	6	1	26	0	2	28	0	1	28	0	0	0	1	0	29	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	0	28	2	0	52.4	0	1	21	8	0	42.4	64	21	51	19	53	12	39	20	0	6	23	0	4	26	0	6	24	0	0	0	1	0	23	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	1760	41.3	45	60	42	60	47	30
850	4700	31.8	35	60	33	60	40	30
750	7950	22.4	27	60	26	60	32	30
650	11590	11.1	17	60	16	60	22	30
550	15720	-3.2	2	60	1	60	6	30

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	83	29	36	15	3	0							64	18	37	4	0	0							500 above ground.
1000 above M.S.L.	74	22	37	11	4	0							39	13	22	0	0	0							1000 above M.S.L.
2000 ,, ,,	34	14	12	5	3	0							7	1	6	0	0	0							2000 ,, ,,
3000 ,, ,,	21	7	11	3	0	0							4	1	2	1	0	0							3000 ,, ,,
4000 ,, ,,	15	8	7	0	0	0							1	0	1	0	0	0							4000 ,, ,,

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

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

METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.
N. K. JOHNSON, D.Sc., A.R.C.S., Director

SUNSHINE, RAINFALL, AND HUMIDITY ..... April ..... 1943.

District.	Stations.	SUNSHINE. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months Hours.	Difference from average Hours.	Total for Month. Hours.	Difference from average Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours mm.	Date.	Total for past 12 months. mm.	Difference from average mm.	Total for Month.‡ mm.	Difference from average mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	5	7	6	6	6	12·3	18	1459	−10	153	+7	1880	244	1893	79	1920	19	7	3	1	0	0	8	23	616	+10	19	−18	1856	101	1878	1	1912	0	0
	Croydon ...	5	6	2	9	8	12·8	20	1593	+68	176	+43	1922	223	1942	101	1941	18	6	5	1	0	0	9	23	756	+77	25	−17	1921	104	1926	4	1938	0	0
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22	4	3	1	0	0	15	23	670	−23	26	−13	1881	89	1922	1	1938	0	0
	Lympne ...	5	4	5	8	8	13·2	20	1744	−21	173	+12	1921	251	1942	131	1931	21	4	3	2	0	0	7	23	674	−50	23	−19	1920	91	1926, 1935	13	1938	0	0
2	Shoeburyness ...	5	7	4	8	6	12·1	20	1622	−94	152	−1	1919	227	1921	94	1937	22	3	3	2	0	0	6	27	539	+36	21	−10	1920	99	1926	5	1938	1	0
	Gorleston ...	3	4	8	8	7	13·5	25	1641	−2	182	+18	1908	268	1909	69	1937	20	3	6	1	0	0	7	28	626	+4	19	−19	1871	100	1871	3	1893	1	0
	Cranwell ...	2	10	4	8	6	12·4	20	1579	+41	168	+27	1921	247	1942	84	1937	20	4	5	1	0	0	9	23	570	−20	21	−13	1917	110	1920	4	1938	1	0
3	Birmingham ... (Edgbaston)	4	7	6	9	4	11·6	20	1375	+71	152	+25	1887	233	1893	61	1891	18	5	7	0	0	0	3	1	687	+13	18	−26	1893	122	1940	3	1938	1	0
4	Ross-on-Wye ...	1	10	5	8	6	12·8	20	1521	+36	161	+19	1915	218	1938	72	1920	20	5	5	0	0	0	4	27	684	−33	16	−32	1859	143	1889	1	1938	0	0
5	Falmouth ... (Observatory)	1	7	3	5	14	13·1	20	1679	−31	218	+31	1881	272	1906	112	1931	21	3	3	2	1	0	24	21	965	−142	51	−16	1871	179	1882	1	1938	0	0
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	240	1938	91	1920	15	10	4	1	0	0	5	24	848	−39	29	−24	1871	97	1908	5	1938	0	0
8	Chester ... (Sealand)	1	7	5	7	10	12·7	15, 20	1538	+162	194	+55	1923	208	1942	102	1931	15	7	8	0	0	0	3	21, 25, 29	598	−40	30	−7	1922	80	1937	5	1938	1	0
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*	17	9	4	0	0	0	4	30	488	−133	16	−20	1915	110	1934	6	1938	0	0
11	Leuchers ...	1	7	8	7	7	13·2	19	1626	+156	178	+29	1922	215	1942	98	1937	19	5	5	1	0	0	9	25	517	−136	28	−12	1922	117	1934	2	1938	1	0
12	Renfrew ...	1	15	5	4	5	12·5	28	1172	−21	132	−1	1921	192	1942	73	1937	12	2	11	4	1	0	20	25	1113	+174	84	+27	1921	124	1925	18	1938	0	2
	Eskdalemuir ...	5	9	6	7	3	10·6	6	1184	−17	121	−7	1910	197	1942	64	1937	9	8	5	7	1	0	16	25	1529	+100	102	+16	1910	191	1925	20	1918	1	2
13B	Stornoway ...	5	15	5	2	3	10·7	28	1032	−183	101	−49	1881	216	1902	105	1933, 1937	7	4	12	7	0	0	11	5, 24	1277	+76	88	+15	1870	172	1904	10	1891	0	2
15	Aberdeen ...	2	10	8	6	4	11·5	19	1303	−26	135	−9	1881	235	1906	78	1941	14	6	7	3	0	0	8	23, 30	616	−132	43	−5	1871	156	1934	10	1912	0	4
18	Aldergrove ...	2	12	7	5	4	12·2	28	1256	−70	127	−26	1927	210	1942	57	1937	10	9	7	3	1	0	18	12	885	+47	65	+11	1926	88	1940	6	1938	1	2
19	Birr Castle ...	1	14	7	6	2	10·2	26	1173	−133	108	−44	1881	245	1914	70	1937	16	8	4	2	0	0	10	24, 25	910	+83	37	−17	1862	121	1894	4	1938	*	*
20	Valentia ... (Cahirciveen)	4	11	7	4	4	11·6	16	*	*	111	−50	1880	262	1938	75	1905	13	5	8	1	3	0	24	24	*	*	91	−2	1866	167	1901	2	1938	*	*

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	7	8	5	4	0
Ross-on-Wye ...	0	0	0	2	5	9	6	6	2	0
Falmouth (Obsy.)	0	2	4	8	13	2	1	0	0	0
Renfrew ...	0	0	4	10	7	6	2	1	0	0
Eskdalemuir ...	0	0	3	5	8	4	9	1	0	0
Aberdeen ...	0	0	0	1	6	10	9	3	1	0
Valentia ...	1	1	11	6	8	1	2	0	0	0

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew) ...	16	14	0	0	0	0	0	0	0	0
Ross-on-Wye ...	24	6	0	0	0	0	0	0	0	0
Renfrew ...	8	21	1	0	0	0	0	0	0	0
Eskdalemuir ...	15	15	0	0	0	0	0	0	0	0
Aberdeen ...	16	14	0	0	0	0	0	0	0	0
Valentia ...	5	25	0	0	0	0	0	0	0	0

CODE for State of Ground.

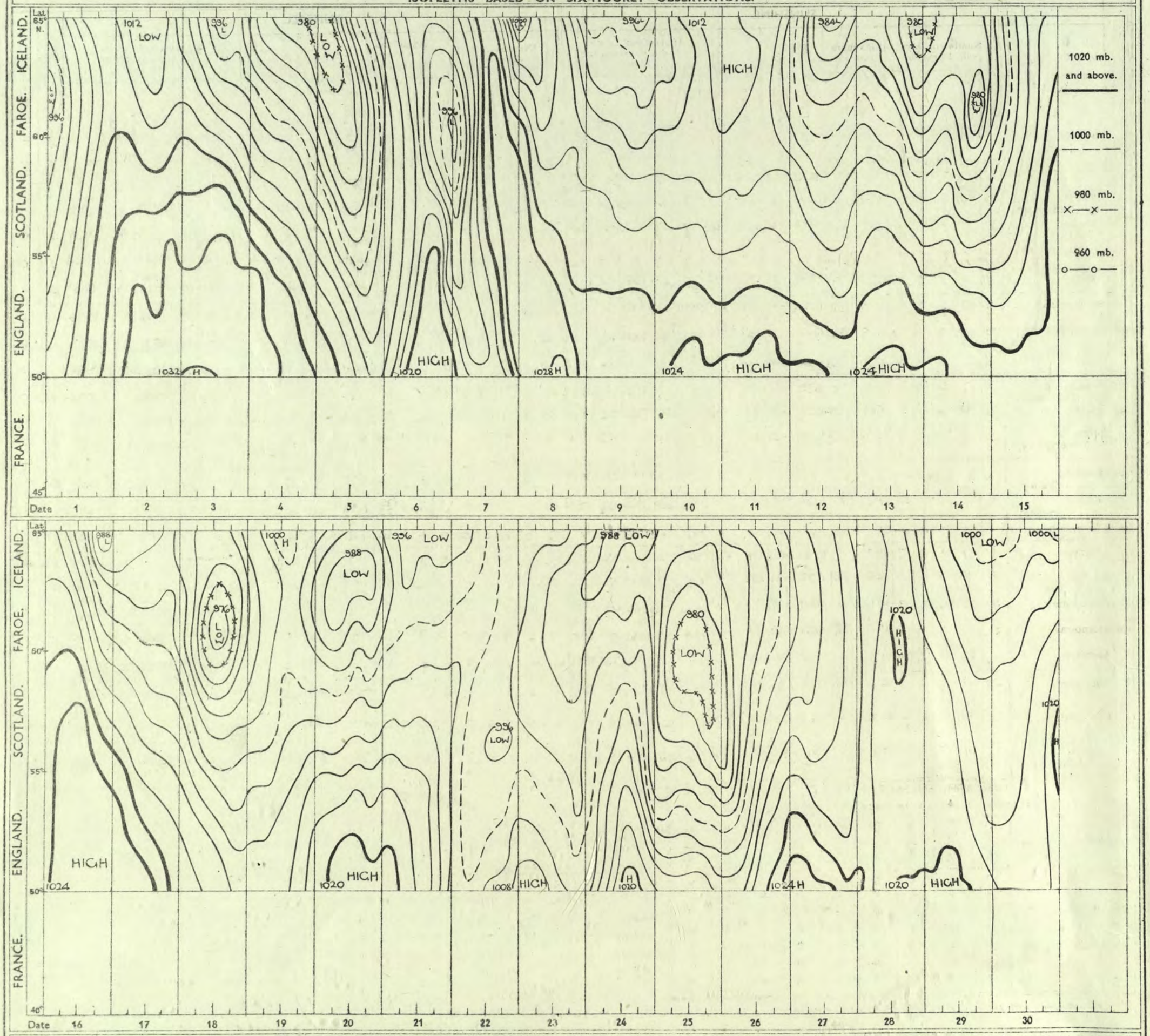
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6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

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

‡ 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 ..... April ..... 1943.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

Ps. 497/4472. Wt. 6069. D. 1545. Gp. 949/6. 350. 5/43.

BRITISH SECTION

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

SECRET

Thursday 1st April 1943.

No. 2975

OBSERVATIONS at 13h. G.M.T. 31st 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)	14·4	-10	WSW	3	c	54	55	37	7	5	7	-	9+	10	2500
	Croydon ...	15·6	-10	W	4	c	55	55	38	8	5	7	-	9	10	3000
	S. Farnborough	16·0	-6	W'N	6	c	55	75	47	8	5	7	-	7-8	10	2000
	Boscombe Down	16·3	-2	WSW	3	id	51	85	46	8	5	-	-	10	10	1400
	Thorney Island	17·0	-6	SW'S	4	c/d	53	75	46	7	5	-	-	4-6	10	1500
	Lympne ...	15·2	+8	W'S	4	c	55	45	36	8	5	7	-	4-6	10	3500
	Manston ...	14·1	-4	W'S	4	c	54	55	36	8	5	7	-	1	10	3500
2	Loeburyness ...	14·7	-6	WSW	4	c	54	55	38	8	5	2	-	4-6	10	2500
	Felixstowe ...	13·1	-4	W	5	c	52	75	44	8	5	2	-	7-8	10	4000
	Gorleston ...	11·0	+2	WSW	5	c	51	45	33	7	8	-	-	10	10	1900
	Mildenhall ...	12·1	-6	W'S	5	c	51	55	37	8	5	-	-	10	10	3000
	Cranwell ...	10·2	+2	W'S	6	c	50	55	46	7	5	7	-	9+	10	4000
3	Birmingham ...	11·8	-10	W	5	c	53	65	42	8	5	7	-	7-8	9+	1500
	Upper Heyford	13·3	-10	W	5	c	53	65	40	8	5	2	-	7-8	10	1400
4	Ross-on-Wye	13·1	+18	W'S	5	cq	55	75	47	8	5	-	8	9	9+	3000
5	Hartland Point	16·6	-14	W	5	z	60	97	50	6	5	-	-	10	10	400
	Bristol ...	15·9	-8	W	5	d/d	52	97	52	5	5	-	-	10	10	400
	Portland Bill ...	18·6	-6	SW	5	c	51	85	47	7	5	-	-	10	10	2500
	Plymouth ...	20·0	-2	W'S	5	c/d	55	92	52	7	5	2	-	9	10	1500
	The Lizard ...	21·3	0	WNW	6	o	52	97	52	7	5	-	1	10	10	1000
	Scilly (St. Mary's)	22·0	-2	W	5	c	53	97	52	6	5	-	-	10	10	800
	Guernsey ...															
6	Pembroke ...	14·6	-10	WSW	8	ir	51	97	51	6	5	-	-	10	10	2000
7	Holyhead (Valley)	11·4	-14	SW'S	6	d/d	48	97	48	5	5	2	-	10	10	800
	Chester (Sealand)	11·0	-10	WNW	4	c/pr	52	65	42	8	5	7	8	Tr	9+	2000
8	Manchester ...	10·3	-6	WSW	6	c	50	75	40	8	4	7	-	7-8	9+	2500
10	Spurn Head ...	08·1	-4	W	6	cq	48	55	38	7	7	7	-	4-6	9+	1500
	Catterick (Sc) ...	05·8	-2	SSW	3	pr	49	75	45	8	5	3	-	4-6	7-8	2000
	Tynemouth ...	04·1	+8	W	8	c-bcq	44	75	37	7	8	-	1	7-8	7-8	2500
11	St. Abbs Head	99·2	-4	W	6	c	47	75	40	7	1	5	-	4-6	9	2500
	Leuchars ...	99·5	-2	W	5	c/pr	47	75	39	8	8	7	8	4-6	10	2500
12	Renfrew (Abbots I.)	03·5	-2	W	5	pr	47	85	42	7	8	2	-	4-6	10	1800
	Eskdalemuir ...	03·7	-8	W'S	6	c/pr	45	85	39	8	5	1	-	7-8	9+	1800
	Point of Ayre ...	07·5	-6	W'N	6	c	49	85	44	8	5	1	-	9+	10	2500
13A	Tiree	02·8	-2	W'N	6	pr	47	75	40	7	8	7	-	4-6	9+	1500
13B	Stornoway ...	96·4	+6	W	7	c/phr	43	92	41	8	3	-	-	10	10	1800
15	Dalwhinnie ...	99·0	0	SW	4	c	40	85	35	7	5	2	-	7-8	10	2500
	Aberdeen ...	97·0	+2	WNW	5	pr	47	55	34	8	4	7	-	4-6	10	2900
	Wick ...	94·2	+10	W'N	5	phr	39	85	35	7	9	-	-	9+	9+	1000
16	Sumburgh ...	86·8	+10	W'N	8	pr	44	85	40	8	3	-	-	7-8	7-8	1500
17	Blacksod Point	10·2	-6	WSW	5	dr	52	97	51	6	-	2	-	10	10	800
18	Malin Head ...	04·9	-6	W'S	6	c/r	47	92	45	7	6	2	-	4-6	10	1500
	Aldergrove ...	07·8	-10	W'S	4	id	46	92	44	6	6	2	-	9+	10	800
19	Birr Castle ...	12·2	-4	WSW	2	ir	54	92	52	7	5	2	-	7-8	10	1500
20	Valentia Obsy.	19·0	+10	W'S	6	z	53	92	51	6	5	-	-	10	10	800
	Roches Point	16·3	-2	W	4	c	57	92	55	8	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 31st 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)	11·7	-12	WSW	4	id	55	85	49	6	5	2	-	9	10	1500	1	*
	Croydon ...	13·2	-10	WNW	5	d/d	54	92	52	6	6	2	-	9	10	900	1	*
	S. Farnborough	13·1	-4	W'N	6	c/d	55	85	51	8	6	2	-	7-8	9	600	1	*
	Boscombe Down	14·3	-12	W'N	6	d/d	54	85	50	7	5	-	-	10	10	800	1	*
	Thorney Island	14·3	-14	WSW	5	d/d	53	97	53	6	6	2	-	9+	10	500	1	*
	Lympne ...	12·4	-18	W'S	4	dd	50	97	50	4	5	-	-	10	10	100	1	§ 5
	Manston ...	11·1	-18	SW'W	4	r	51	97	51	6	6	2	-	9+	10	700	1	*
2	Loeburyness ...	12·0	-20	W	3	ir	53	85	50	6	5	-	-	10	10	2500	1	*
	Felixstowe ...	09·4	-22	WSW	4	r	50	97	49	5	6	2	-	9	10	800	1	
	Gorleston ...	08·5	-18	WSW	4	pr	49	85	45	7	6	-	-	10	10	1000	1	4
	Mildenhall ...	08·7	-22	SW'W	3	id	49	97	49	6	3	-	-	4-6	10	500	1	*
	Cranwell ...	07·3	-12	W'S	3	d/d	49	97	49	5	5	-	-	7-8	10	600	1	*
3	Birmingham ...	09·1	-4	W	5	bc	55	85	51	8	5	-	-	7-8	10	1500	1	*
	Upper Heyford	10·8	-6	W'S	4	c/r	54	92	51	7	5	2	-	7-8	10	900	1	*
4	Ross-on-Wye	11·7	0	W	5	id	57	75	49	8	5	-	9	9	9+	2500	1	*
5	Hartland Point	17·1	0	NW	5	z	51	97	50	6	5	-	-	10	10	600	1	5
	Bristol ...	14·6	0	W	6	d/d	51	97	51	6	5	-	-	10	10	450	1	*
	Portland Bill ...	15·9	-6	W	5	o	52	85	48	7	5	-	-	10	10	2500	1	5
	Plymouth ...	20·2	-2	W'N	6	id	54	92	52	7	5	2	-	9	10	1200	0	3
	The Lizard ...	22·4	+6	WNW	6	o	51	97	51	7	5	-	-	10	10	800	1	
	Scilly (St. Mary's)	22·6	+6	W'N	6	c	52	92	51	6	5	-	-	10	10	500	1	5
	Guernsey ...																	
6	Pembroke ...	16·2	+18	WSW	7	cq	51	97	50	7	5	-	-	9+	9+	2000	1	5
7	Holyhead (Valley)	10·6	+10	WSW	4	z	52	92	50	6	5	-	-	10	10	400	1	3
	Chester (Sealand)	09·3	-6	WNW	4	dd	54	85	51	6	6	2	-	9+	10	600	1	*
8	Manchester ...	07·7	-10	W	6	z	51	85	47	6	5	3	-	4-6	9	500	1	*
10	Spurn Head ...	06·5	-8	WSW	4	z	48	85	45	6	7	2	-	4-6	9+	1500	0	4
	Catterick (Sc) ...	04·1	-6	W	4	c	50	85	44	8	8	6	8	7-8	9	2000	1	*
	Tynemouth ...	02·7	-10	W	6	cq	48	85	43	7	8	-	-	9	9	2200	1	
11	St. Abbs Head	98·9	+2	W	6	c-bc	46	85	42	7	2	4	-	4-6	7-8	2500	0	5
	Leuchars ...	98·6	+2	WSW	6	c	47	75	38	8	8	3	7	4-6	10	2000	0	*
12	Renfrew (Abbots I.)	02·9	-4	W	5	pr	45	85	42	7	8	7	5	4-6	9+	1600	2	*
	Eskdalemuir ...	02·8	-2	W'N	5	pr	43	85	38	8	5	-	-	9+	9+	1500	1	*
	Point of Ayre ...	06·3	0	W'N	6	c	49	85	44	8	9	-	-	9+	9+	2200	0	4
13A	Tiree	03·0	+2	W'N	6	c/pr	44	85	39	8	8	7	5	4-6	9+	1500	1	6
13B	Stornoway ...	97·1	+10	W	7	phr	41	85	36	8	3	7	-	4-6	7-8	1500	1	5
15	Dalwhinnie ...	98·0	0	SW	3	ir	39	85	35	7	5	2	-	7-8	10	2500	1	*
	Aberdeen ...	96·9	+2	WNW	4	c/pr	44	75	35	8	8	-	3	7-8	9+	1500	1	3
	Wick ...	94·0	-6	WSW	5	c/pr	39	85	34	8	9	3	-	7-8	9+	2000	1	*
16	Sumburgh ...	86·9	0	W'N	8	bc/phr	43	85	38	8	2	6	-	2-3	4-6	2000	1	5
17	Blacksod Point	13·0	+16	W'N	5	dd	52	92	50	7	6	2	-	4-6	10	1500	2	4
18	Malin Head ...	06·2	+14	W	6	pr	47	85	43	8	9	-	-	9+	9+	1500	1	5
	Aldergrove ...	07·6	+2	W	6	c	50	75	42	8	8	3	9	7-8	9+	1500	1	*
19	Birr Castle ...	13·8	+10	WSW	6	c	54	85	50	7	5	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	21·9	+18	W'N	4	z	53	92	51	6	5	-	-	10	10	800	5	1
	Roches Point	18·1	+10	WNW	5	c-bc	57	92	55	8	5	-	5	4-6	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. (39)	Weather 13h.–18h. (40)	Weather 18h.–1h. (41)	Weather 1h.–7h. (42)
1	London (Kew)	cy	cidcid	cidcm	cmc
	Croydon ...	ccy	cycdd	cidcm	cmidc
	S. Farnborough	ccyc	ciddmc	cidmc	cir
	Boscombe Down	ccyccid	cdmdd	cdc	c
	Thorney Island	cid	cmdd	cidc	bcc
	Lympne ...	cy	cdmdm	cbcd	bc
	Manston ...	cy	cyhr	crrbcm	
2	Loeburyness ...	cyc	cycirm	cirbcm	cmc
	Felixstowe ...	bcc	edrm	crrcm	rrmirm
	Gorleston ...	bcc	bccpr	bc	bccq
	Mildenhall ...	bcc	ccrdm	cirmbc	bccidc
	Cranwell ...	bccy	cyrrdd	cmid	cmc
3	Birmingham ...	bcc	cpr	cpr	c
	Upper Heyford	bcc	crr	cbcc	c
4	Ross-on-Wye	cbcc	cid	pqcq	cq
5	Hartland Point	ircm	mqc	cm	c
	Bristol ...	ccidm	cqpc	cddmcmcm,rd	
	Portland Bill ...		o	oc	o
	Plymouth ...	cidddd	cdm	cidmcm	cm
	The Lizard ...	cDco	oido	oc	cprc
	Scilly (St. Mary's)	cidc	cidc	c	c
	Guernsey ...				
6	Pembroke ...	cirqm	cqm	cq	cprqw
7	Holyhead (Valley)	cidm	oddcm	cir	orrm
	Chester (Sealand)	cypr	cprid	cddmid	cmrr
8	Manchester ...	bcprc	cirm	cirmc	cirm
10	Spurn Head ...	cq	cm	cq	prcq
	Catterick (Sc) ...	bcpr	cprc	bccpr	cprmbcc
	Tynemouth ...	bccq	cpq	b	bc
11	St. Abbs Head	cpcc	cbcc	cbcb	bbc
	Leuchars ...	ccprc	c	cbcb	bcprbbcc
12	Renfrew (Abbots I.)	mprspr	cprpr	cprbcprcprbcprcprq	
	Eskdalemuir ...	cprc	cpr	cpr	cprc
	Point of Ayre ...	prc	c	bbc	bcc
13A	Tiree	c	cprc	bc	bbcc
13B	Stornoway ...	cprcph	cphprph	cprhbc	bcpthc
15	Dalwhinnie ...	oprs	oprsir		oirc
	Aberdeen ...	bccpry	cypRc	cprbc	cprhqbc
	Wick ...	cphcph	ophprspr	cprcbccpr	bcpr
16	Sumburgh ...	cPhmpr	prphq	cphpr	cphrpr
17	Blacksod Point	r	d	d	d
18	Malin Head ...	r	pr	pr	pr
	Aldergrove ...	irrid	idmpr	bcc	ddm
19	Birr Castle ...	r	r		c
20	Valentia Obsy.	d	r	r	d
	Roches Point	d	d	d	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh west to northwest wind strong locally, decreasing slowly and backing later. Mainly fair at first, slight rain later, rather cold.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate to fresh west to northwest wind, strong locally, decreasing temporarily and backing. Mainly cloudy, local rain; rather cold.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Moderate or fresh west to northwest wind, strong locally, decreasing temporarily and backing; fair at first; occasional rain later; rather cold.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh northwest wind strong locally, decreasing and backing southwest, increasing again later. Bright intervals and showers at first, rain later; rather cold.
16 Orkneys and Shetlands	As 13B–15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4–8

GENERAL INFERENCE

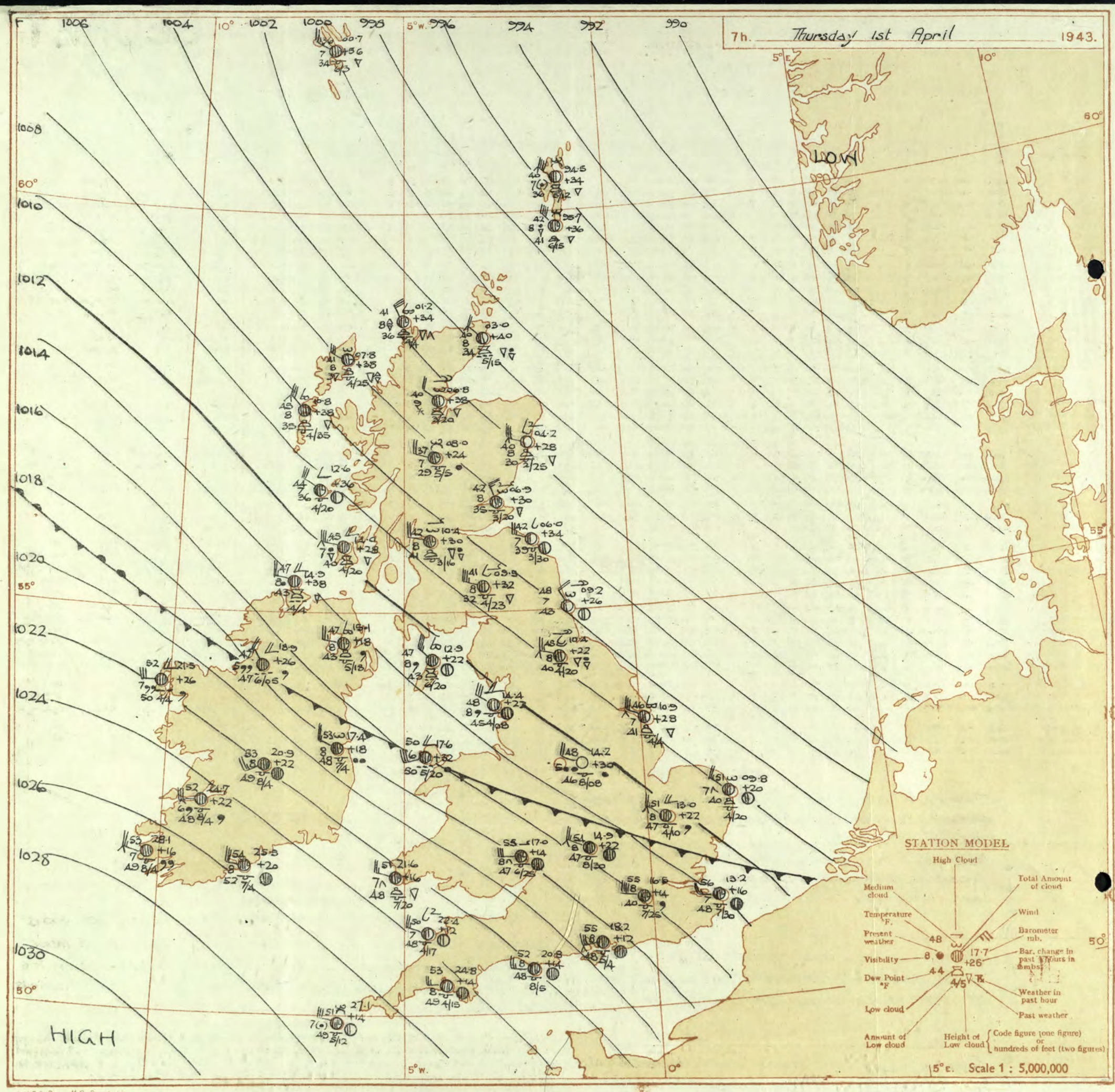
An anticyclone is centred to southwest of the British Isles and a depression is expected to develop to south of Iceland, and move eastsoutheast. There will be bright intervals and showers in the North at first but rain later. Elsewhere there will be cloudy periods and local rain.

FURTHER OUTLOOK

Unsettled; rain in the North; mainly cloudy in the South with local rain. ✱ 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. 30th March, in districts 6, 10 1155h. G.M.T. in districts 5 issued at 1920h. G.M.T. on 30th 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.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).

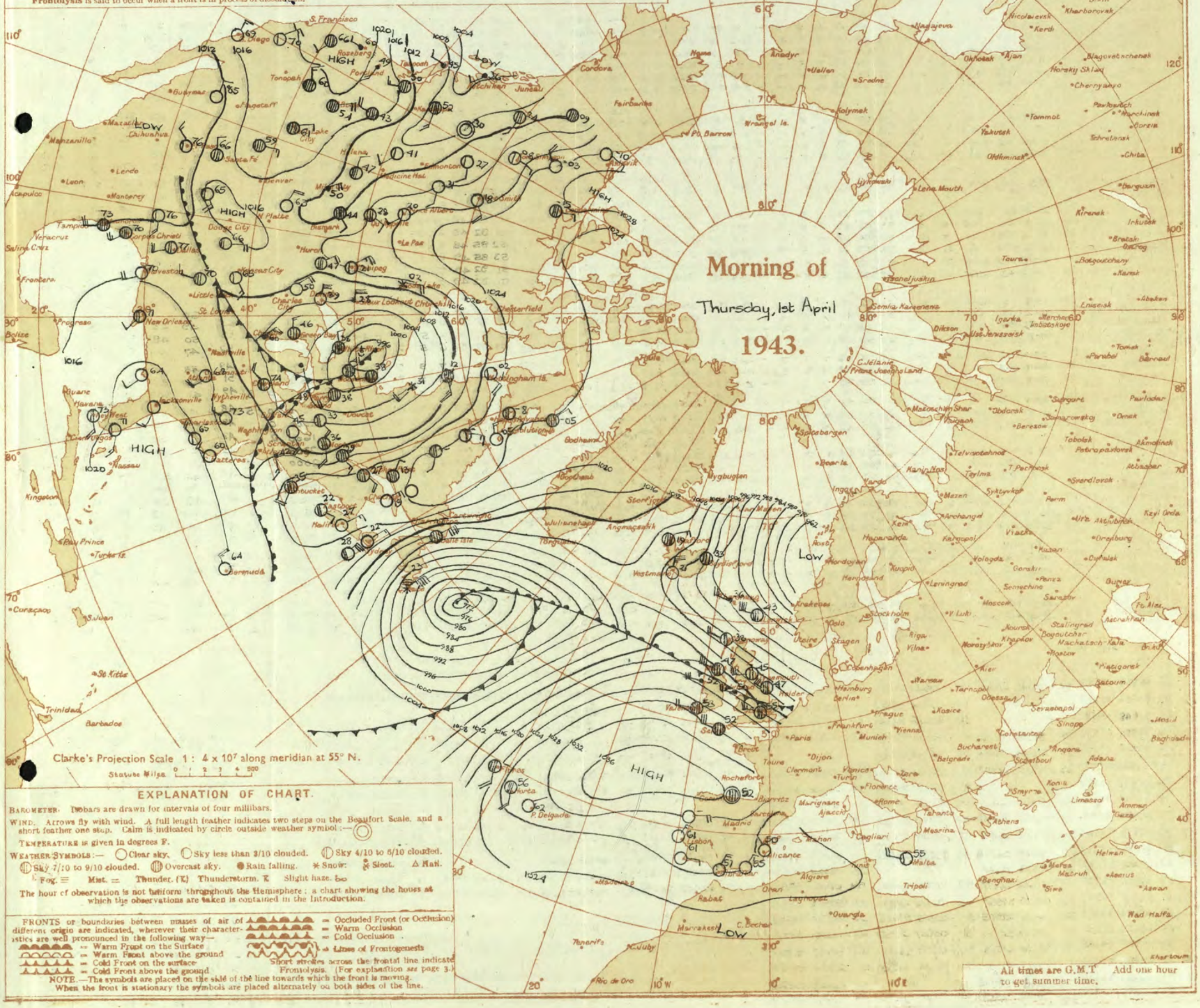
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Thursday, 1st April 1943

No. 29715

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

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	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon ...	290	14·3	+8	W'N	5	z_o	55	85	49	6	5	–	–	9+	9+	3100
	S. Farnborough	226	14·9	+10	W'N	6	c	54	85	48	7	5	2	–	4-6	10	1400
	Boscombe Down	417	16·4	+2	W	6	c	51	85	49	7	5	–	–	10	10	2500
	Thorney Island	10	16·5	+10	W'N	6	c	56	75	49	7	5	–	–	9	9	2600
	Lympne ...	283	13·1	+2	W'S	6	c-bc	53	85	49	8	5	–	–	7-8	7-8	1800
	Manston ...	154	11·4	+6	W	5	z_o	55	75	49	6	5	–	–	2-3	2-3	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·5	+8	W'N	4	ir_o	53	85	49	6	5	–	–	9	9	2300
	Gorleston ...	5	07·1	-2	NW'W	4	bc	52	75	44	7	5	–	–	4-6	4-6	1500
	Mildenhall ...	15	09·8	+12	WNW	6	bc	53	85	47	7	5	–	–	4-6	4-6	4500
	Cranwell ...	203	09·1	+12	W'N	4	id_o	51	65	36	6	5	–	–	10	10	3600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·3	+10	W'N	6	c	55	75	47	8	5	–	–	9+	9+	2600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·1	+2	NW	5	c	50	97	50	7	5	–	–	9	9	2500
	Bristol ...	209	17·5	+10	WSW	5	c	53	85	49	7	5	–	–	9+	10	1700
	Portland Bill ...	32	19·6	+10	W	5	c	50	92	48	7	5	–	–	10	10	2500
	Plymouth ...	82	22·8	+12	W	5	z_o	53	92	51	6	5	2	–	7-8	9+	1400
	The Lizard ...	240	24·3	+12	WNW	6	c	51	97	50	7	5	–	–	10	10	800
	Scilly (St. Mary's)	163	25·2	+6	WNW	6	z_o	52	92	51	6	5	2	–	7-8	10	800
	Guernsey ...	175															
6	Pembroke ...	142	19·3	0	W'S	7	cq	51	92	49	7	5	–	–	9+	9+	1500
7	Holyhead (Valley)	32	14·2	+6	W	5	$r_o r_o$	50	97	49	6	5	–	–	10	10	1500
	Chester (Sealand)	16	11·9	+18	W'N	6	id_o	51	85	48	6	5	2	–	7-8	10	1800
8	Manchester ...	235	10·7	+10	W	6	z_o	49	85	45	6	5	–	–	2-3	2-3	800
10	Spurn Head ...	29	07·0	+12	NW'W	6	c-bcq	49	75	42	7	7	7	–	4-6	7-8	1500
	Catterick (Sc.) ...	192	06·0	+12	W	6	pr	46	85	43	6	8	3	–	4-6	7-8	2500
	Tynemouth ...	108	03·8	+10	W	6	b-bcq	45	85	39	7	2	–	–	2-3	2-3	1500
11	St. Abbs Head	280	00·6	+22	W	5	b	44	85	40	7	4	–	–	1	1	2500
	Leuchars ...	36	01·0	+14	WNW	4	b	43	75	36	8	5	–	–	1	1	3000
12	Renfrew (Abbots L.)	19	05·6	+16	W	6	b-bc/pr	44	92	42	7	3	–	–	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	09·3	+16	NW	7	bc	48	85	44	8	9	–	–	4-6	4-6	2400
13A	Tiree	44	06·5	+20	WNW	8	b	44	85	38	8	5	–	–	1	1	2000
13B	Stornoway ...	15	01·7	+18	WNW	6	bc/phr	38	92	34	8	3	–	–	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	99·7	+22	WNW	6	pr	36	92	35	7	3	–	–	4-6	4-6	2300
	Wick ...	114	96·3	+18	NW	4	pr	38	85	31	7	9	–	–	9	9	1500
16	Sumburgh ..	19	89·7	+22	WNW	7	c/phr	40	92	38	7	3	–	–	9	9	1500
17	Blacksod Point	18	17·5	+18	W	6	$d_o d_o$	52	92	50	7	6	2	–	4-6	10	1500
18	Malin Head ...	84	09·3	+10	W'N	7	c/pr	47	85	43	8	9	–	–	9	9	1500
	Aldergrove ...	268	11·5	+12	W	5	c	48	85	41	8	5	–	–	10	10	2400
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25·3	+6	W	4	c	53	85	49	7	5	–	–	10	10	1500
	Roches Point	22	22·4	+10	WNW	5	c-bc	54	92	52	8	5	–	–	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15·2	+14	WSW	4	c	55	75	47	7	5	–	–	9+	9+	1500	1	*
Croydon ...	16·5	+14	WNW	8	c	55	75	40	8	5	–	–	9+	9+	2500	0	*
S. Farnborough	17·0	+14	W'N	5	ir_o	53	89	49	8	6	2	–	7-8	10	1200	1	*
Boscombe Down	19·0	+14	W'N	5	c	52	85	48	7	5	–	–	9	10	1200	0	*
Thorney Island	18·2	+12	W'S	6	c	55	75	48	8	5	–	–	7-8	10	1500	0	*
Lympne ...	15·0	+18	W	6	c	54	85	48	8	5	–	–	4-6	10	800	1	§ 4
Manston ...	13·2	+16	W	5	c	56	75	48	7	5	–	–	9+	9+	3000	1	*
Shoeburyness ...	13·7	+18	W	4	c	57	75	50	7	5	3	–	9	10	1500	1	*
Felixstowe ...	12·8	+20	WNW	6	ir_o	50	92	48	6	5	2	–	7-8	10	1500	1	4
Gorleston ...	09·8	+20	NW	5	c-bcq	51	68	40	7	8	3	–	4-6	7-8	2000	0	4
Mildenhall ...	13·0	+22	NW'W	5	c	51	85	47	8	5	2	–	4-6	10	1000	1	*
Cranwell ...	12·2	+16	W'N	5	c	51	75	42	7	5	2	–	9	9+	1800	0	*
Birmingham ...	15·0	+22	W	4	c	53	75	45	8	5	–	–	10	10	1500	1	*
Upper Heyford	14·9	+22	WNW	5	c	54	75	47	8	5	–	–	10	10	3000	0	*
Ross-on-Wye	17·0	+14	W	6	cq	55	75	47	8	5	–	8	9	9+	2500	1	*
Hartland Point	22·4	+12	WNW	5	c-bc	50	92	48	7	5	4	5	4-6	7-8	1700	1	5
Bristol ...	18·7	+18	W	5	c/d	51	92	49	6	5	–	–	2-3	9+	800	1	*
Portland Bill ...	20·8	+14	W	5	c	52	85	48	8	5	–	–	10	10	2500	1	5
Plymouth ...	24·8	+14	W	5	c	53	85	49	8	5	–	–	4-6	10	1500	0	3
The Lizard ...	25·5	+4	NW'W	7	c-bc	51	92	49	7	5	–	–	7-8	7-8	1000	0	5
Scilly (St. Mary's)	27·1	+14	NW'W	6	cjp	51	92	49	7	5	6	–	7-8	9+	1200	1	5
Guernsey ...																	
Pembroke ...	21·6	+16	WNW	5	cq	51	85	48	7	8	–	–	9+	9+	2000	1	5
Holyhead (Valley)	17·6	+32	WSW	6	$r_o r_o$	50	97	50	6	6	2	–	7-8	10	2000	1	3
Chester (Sealand)	14·4	+18	WNW	6	$r_o r_o$	50	92	48	6	5	2	–	4-6	10	1500	1	*
Manchester ...	14·2	+26	WNW	6	id_o	48	85	45	6	5	2	–	7-8	10	800	1	*
Spurn Head ...	10·9	+28	NW'W	6	c-bcq	46	85	41	7	8	7	–	4-6	7-8	1500	1	4
Catterick (Sc.) ...	10·4	+30	WNW	4	c/pr	42	97	41	8	5	9	2	4-6	7-8	2000	1	*
Tynemouth ...	09·5	+32	WNW	7	c-bc	41	75	32	8	5	4	8	4-6	7-8	2300	1	*
St. Abbs Head	12·9	+22	NW'N	7	id_o	47	85	44	8	9	7	–	9	10	2000	0	5
Leuchars ...	06·0	+34	WNW	5	bc	42	92	39	7	5	4	–	2-3	4-6	3000	0	5
Renfrew (Abbots L.)	06·9	+30	NW	5	c	42	75	35	8	5	3	7	2-3	9+	2000	0	*
Eskdalemuir ...	10·4	+30	WNW	4	c/pr	42	97	41	8	8	3	8	2-3	9+	1600	2	*
Point of Ayre ...	12·9	+22	NW'N	7	id_o	47	85	44	8	9	7	–	9	10	2000	0	5
Tiree	12·6	+36	NW'W	6	c	44	75	36	7	5	1	–	4-6	9+	2000	0	6
Stornoway ...	07·8	+38	WNW	6	c/phr	41	85	37	8	8	3	–	4-6	9	2500	1	4
Dalwhinnie ...	09·0	+24	WNW	4	c	37	75	29	7	5	6	–	7-8	9+	2500	1	*
Aberdeen † ...	04·2	+28	WNW	5	b-bc	40	65	30	8	8	4	5	1	2-3	2500	1	4
Wick ...	03·0	+40	NW	4	c-bc/pr	40	75	34	8	9	3	–	7-8	7-8	1500	1	*
Sumburgh ..	95·7	+36	NW	8	pr	42	97	41	8	2	6	–	9	9+	1500	1	5
Blacksod Point	21·5	+26	W	6	$d_o d_o$	52	92	50	7	6	2	–	4-6	10	1500	2	5
Malin Head ...	14·9	+38	NW'W	5	ir_o	47	85	43	8	9	2	–	4-6	10	1500	1	5
Aldergrove ...	15·1	+18	W'N	5	c	47	85	43	8	8	7	–	7-8	9+	1800	1	*
Birr Castle ...	20·9	+22	WSW	5	c	53	85	49	8	5	–	–	10	10	1500	1	*
Valentia Obsy.	28·1	+16	WNW	5	o/d	53	85	49	7	5	–	–	10	10	1500	1	5
Roches Point	25·5	+20	WNW	6	c	54	92	52	8	5	–	–	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine ...31st Hrs. (38)
London (Kew)	56	54	52	Tr	Tr	1·4
Croydon ...	55	54	52	0·1	Tr	1·8
S. Farnborough	58	51	51	Tr	Tr	2·7
Boscombe Down	54	50	47	0·6	Tr	0·9
Thorney Island	56	51	50	Tr	Tr	*
Lympne ...	56	50	49	0·4	1	2·3
Manston ...	56	51	51	Tr	Tr	2·2
Shoeburyness ...	54	53	48	Tr	Tr	1·9
Felixstowe ...	55	49	48	1	2	2·8
Gorleston ...	53	49	47	Tr	Tr	3·0
Mildenhall ...	52	49	48	1	6	2·3
Cranwell ...	50	49	47	0·4	Tr	2·2
Birmingham ...	55	51	50	0·5	0·1	2·2
Upper Heyford	54	53	50	0·1	–	*
Ross-on-Wye	57	55	53	Tr	Tr	2·0
Hartland Point	51	49	47	Tr	–	0·0
Bristol ...	54	50	48	0·4	0·1	1·5
Portland Bill ...	52	48	*	–	–	*
Plymouth ...	55	52	51	Tr	–	0·2
The Lizard ...	52	50	*	Tr	Tr	0·1
Scilly (St. Mary's)	54	50	*	Tr	–	0·0
Guernsey ...						
Pembroke ...	51	50	*	0·2	Tr	0·0
Holyhead (Valley)	52	49	48	4	3	*
Chester (Sealand)	58	50	48	0·4	3	1·1
Manchester ...	52	47	46	0·1	Tr	*
Spurn Head ...	49	48	*	–	0·5	0·0
Catterick (Sc.) ...	51	45	36	Tr	Tr	6·4
Tynemouth ...	49	41	40	Tr	–	*
St. Abbs Head	48	41	*	–	–	*
Leuchars ...	49	40	35	1	Tr	4·3
Renfrew (Abbots L.)	47	42	37	2	1	0·0
Eskdalemuir ...	45	40	37	2	0·6	1·0
Point of Ayre ...	51	47	*	Tr	–	0·4
Tiree	48	42	39	0·6	1	0·2
Stornoway ...	46	38	34	7	5	0·8
Dalwhinnie ...	41	33	32	5	6	0·0
Aberdeen † ...	48	35	32	0·6	2	2·6
Wick ...	45	34	33	6	3	*
Sumburgh ..	45	36	31	1	0·6	5·8
Blacksod Point	55	50	*	3	2	*
Malin Head ...	50	44		1	2	1·1
Aldergrove ...	50	45	42	0·5	0·1	0·1
Birr Castle ...	56	61	49	0·3	–	0·0
Valentia Obsy.	54	52	49	Tr	Tr	0·0
Roches Point	58	53	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 31st March $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	36	25654	57784	87	02745	57685	3-	27644	59784	36	02744	59685
115	82	89736	95788				57	27834	97787	87	08844	95687
203	8-	81848	24588				8-	81846	24586	6-	25843	59485
206	92	25754	57588	90	81754	58785	5-	64638	59588	33	02943	28585
210	9-	82725	57688	9-	25648	59588	36	02744	59584			
219	87	25745	58787	83	25743	58887	2-	25754	59784	87	02864	62688
230	82	25856	22588				3-	81846	57586	23	02754	28487
245	14	02963	57517	84	01863	24417	50	01763	36464	5-	09355	21286
260	55	02944	24496	77	02744	22415	40	25763	57785	53	01863	57528
278	52	02846	24468	87	25845	26487	52	02747	58688	57	02846	61687
279	5-	81858	55688	86	81845	24486	50	25753	24585	55	02855	26428
285	27	25745	24687	27	25635	22687				23	01744	26685
288	57	02856	55527	57	02844	24427	50	01751	26621	54	02862	59528
575	61	21625	55558	83	21625	57557	62	54635	61458	62	52526	61558
301	52	61656	57768	57	01843	22565	5-	02665	57626	52	51634	28628
321	5-	05658	57528	51	05648	24468	5-	05657	57527	86	02755	61527
2.9	92	14755	24628	52	03754	24528	50	01753	24513	44	01753	24514
292	57	51836	57528	5-	02956	57457	51	02856	61417	55	22954	28367
310	--	01636	24616	--	02626	24526				--	64428	24568
614	5-	61658	57368	52	52547	24358	5-	61647	59527	5-	21743	59558
333	62	52425	22458	5-	51734	56558	5-	21668	97658	53	56655	56657
334	--	53537	26388	--	56537	26558						
340	77	02955	57527	57	22934	59467	52	61746	59428	62	64634	61468
136	57	02747	55427	62	51638	20468	5-	02767	22557	5-	02844	27727
336	57	02756	28428	52	22646	24668				62	64526	28668
350	47	02855	56428	5-	54436	22358	5-	22755	56565	53	02843	24558
368	5-	57328	55658	5-	05538	57728	5-	05534	57728	5-	05535	57628
379				5-	51726	22558	5-	02757	57557	5-	02848	59528
390	57	02765	20428	52	52546	20468	50	05554	57424	50	02754	57625
382	77	02855	55427	52	61726	57558	5-	01864	59424	52	02856	58428
438	87	14644	24528	--	44109	24749				50	02745	24615
430	5-	51636	55528	62	52538	55558	5-	05644	59525	57	05646	58528
309	5-	52408	56648	5-	05628	58658	5-	05628	57628	5-	05635	26528

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 1st April
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time	Min. Time
Kew	cycid	cidcm	cm	.01	7-8h 31st
Croydon ...	cycdd	cidcm	cmidc	<0·1	7h 1st
Greenwich ...	cy	ayid	id		
Camden Square	c	c	*		
Kensington ...	bcc	c	*		
Hampstead ...	bcod	od	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	56	54	52	Tr	Tr	1·4	*	*
Croydon ...	55	54	52	0·1	Tr	1·8	*	*
Greenwich ...	56	54	49	Tr	Tr	1·2	80	67
Westminster ..	59	52	50		Tr		83	69
Regents Park ..	57	51	49	Tr	Tr		86	69
Camden Square	58	51	47	–	Tr	*	*	71
Kensington ...	56	54	51	Tr	–		93	69
Hampstead ...	57	51	48	Tr	Tr		*	75

SECRET

BRITISH SECTION

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

Friday 2nd April 1943.

No. 29716

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

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)	19·4	+24	NW	5	iro	54	85	49	6	5	–	–	10	10	1500
	Croydon	19·2	+18	N'W	3	roro	55	85	49	6	5	–	–	7-8	10	2000
	S. Farnborough	19·1	+10	NW'W	6	c	60	65	47	8	5	7	–	7-8	9+	2200
	Boscombe Down	21·2	+14	WNW	6	c	56	75	49	8	8	–	–	9+	9+	1600
	Thorney Island	20·3	+10	W'N	6	c	61	65	50	8	5	–	–	9	9	2500
	Lympne	18·5	+20	NNW	4	dd	52	92	49	5	5	2	–	9	10	1000
	Manston	17·1	+10	WNW	4	c	53	85	49	7	5	2	–	9	10	2000
2	Shoeburyness	17·6	+18	WNW	5	c	57	65	46	8	5	2	–	7·8	9+	1500
	Felixstowe	16·8	+26	NW	6	c	51	75	43	7	5	2	–	9	10	2500
	Gorleston	14·1	+28	NNW	4	c-bc	49	65	37	7	8	–	–	7-8	7-8	1500
	Mildenhall	17·0	+22	NW'W	6	c	52	75	46	7	8	7	–	7·8	9+	2500
	Cranwell	16·5	+18	WNW	5	zo	54	55	38	6	7	3	1	2-3	7-8	2000
3	Birmingham	19·9	+24	WNW	5	c	53	75	46	8	5	7	–	9+	10	1500
	Upper Heyford	19·3	+26	WNW	3	c/d	53	85	49	7	5	2	–	9	10	500
4	Ross-on-Wye	21·0	+24	WNW	6	ido	57	75	49	8	5	–	–	10	10	2500
5	Hartland Point	26·0	+16	WNW	4	bc	52	92	49	7	1	4	–	1	4-6	2000
	Bristol	22·0	+12	W'N	6	c	57	85	53	8	1	6	3	7-8	9+	2500
	Portland Bill	24·0	+10	W	5	c	52	85	48	8	2	–	–	9	9	4000
	Plymouth	27·8	+14	NW'W	5	c	57	75	40	8	5	–	–	9+	9+	2000
	The Lizard	27·5	+10	NNW	6	bc	55	85	51	8	2	4	–	4-6	4-6	2000
	Scilly (St. Mary's)	30·4	+18	NW'W	5	b-bc	56	85	49	6	5	–	–	2-3	2-3	1200
	Guernsey															
6	Pembroke	25·2	+16	WNW	6	bcq	54	97	53	7	1	4	–	4-6	4-6	2500
7	Holyhead (Valley)	22·1	+28	W'N	4	dodo	51	97	49	5	6	2	–	10	10	200
	Chester (Sealand)	19·9	+14	NW	6	c	52	75	45	8	5	2	–	4-6	10	1500
8	Manchester	19·4	+30	W'N	5	c	48	85	44	7	6	2	–	7·8	10	800
10	Spurn Head	14·4	+24	NW	6	cbcq	50	55	46	7	2	3	–	4-6	7-8	2500
	Catterick (Sc)	16·0	+28	NNW	5	c	49	75	40	8	5	7	–	7·8	9+	2000
	Tynemouth	13·5	+24	SW	6	bcq	51	45	31	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	11·8	+22	W	5	c	47	75	39	8	1	4	–	4-6	9	2500
	Leuchars	13·4	+30	WNW	5	c	49	55	34	8	8	4	–	4-6	9+	2500
12	Renfrew (Abbots I.)	16·4	+34	WNW	5	cbc/pr	49	85	46	9	8	7	3	4-6	7·8	2500
	Eskdalemuir	15·9	+24	NW'W	6	cbc	47	55	32	8	7	1	–	7·8	7·8	2200
	Point of Ayre	19·4	+28	NNW	6	c	49	75	42	8	6	7	–	1	10	1500
13A	Tiree	19·0	+26	NW'W	6	c	44	92	42	8	2	7	–	2-3	10	2000
13B	Stornoway	15·1	+36	WNW	6	c	46	75	38	7	2	7	–	4-6	9+	2100
15	Dalwhinnie	15·0	+32	WNW	4	bc	44	65	30	8	8	3	–	2-3	4-6	2500
	Aberdeen	11·5	+38	NW	6	c	47	65	35	8	2	3	–	7·8	9	2500
	Wick	10·3	+60	NNW	5	pr	42	75	37	7	9	3	–	7·8	9+	500
16	Sumburgh	04·9	+46	NW	7	pr	44	97	43	8	2	6	1	7·8	7·8	1500
17	Blacksod Point	26·1	+22	W	6	%r	53	92	51	7	5	–	–	10	10	1500
18	Malin Head	20·2	+22	WNW	5	iro	49	85	45	8	9	2	–	2-3	10	1500
	Aldergrove	20·9	+24	NW	4	c	50	85	45	8	5	–	–	10	10	1800
19	Birr Castle	25·8	+26	WSW	5	c	54	85	50	8	5	2	–	7·8	10	1500
20	Valentia Obsy.	31·4	+14	W'N	4	b	54	85	50	7	1	–	–	1	1	1500
	Roches Point	28·2	+18	NW	5	c-bc	57	85	53	8	8	–	–	7·8	7·8	1500

OBSERVATIONS at 18h. G.M.T. 1st April / 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. (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. 1st (39)	Weather 13h.–18h. 1st (40)	Weather 18h. 1st to 1h. 2nd (41)	Weather 1h.–7h. 2nd (42)
London (Kew)	22·3	+18	NW'W	4	iro	55	65	43	6	5	7	–	9+	10	1500	1	*	rociromo	cvirozo	irozo	rcddomo
Croydon	22·7	+22	NW'N	4	c	55	65	45	6	5	–	–	4-6	10	2000	1	*	cidoror	iroroCx	czocdodomo	crododomo
S. Farnborough	22·5	+14	NNW	2	roro	54	85	50	8	5	7	–	9	10	1200	1	*	ciroc	ciroirro	crpmobcc	cmocido
Boscombe Down	23·4	+10	WNW	4	c	54	85	49	7	5	–	6	7-8	9+	1800	0	*	c	c	cirocbcc	cbccb
Thorney Island	22·6	+14	WNW	5	ido	57	85	54	8	5	–	6	7·8	9	1500	0	*	cdobmo	ccido	doprobc	bciroc
Lympne	20·9	+18	NW	4	c	53	75	44	7	5	2	–	9	10	1000	1	4	cdocdd	cdprcmoc	c	c
Manston	20·2	+10	NW'W	4	c	51	75	45	7	7	–	–	4-6	9	3000	0	*	cororomo	c	cbvbzo	bccmo
Shoeburyness	20·8	+14	NW	5	c	53	65	43	7	5	4	–	7·8	9	2500	0	*	crrmoiroc	c		cmoc
Felixstowe	19·1	+18	NW'W	6	bc	53	65	43	7	5	4	–	4-6	4-6	2500	0	5	ciromoc	cbc	bcbmo	bmocmo
Gorleston	18·1	+20	NNW	4	bc	53	45	32	7	7	7	–	4-6	4-6	2500	0	3	cbcq	bcqy	bcbczo	bcc
Mildenhall	19·7	+18	WNW	6	c	50	75	41	7	5	3	–	2-3	9	5700	0	*	cciroc	c	bc	bcc
Cranwell	19·8	+18	NW'W	5	zo	51	65	38	6	5	3	–	4-6	9	3000	0	*	cmozo	czoybcy	czoyczo	czomo
Birmingham	23·3	+16	NW	4	c	50	85	46	7	6	–	–	10	10	800	1	*	circ	cror	biro	prco
Upper Heyford	21·7	+10	NW	5	c	52	85	45	8	5	2	–	9+	10	1200	0	*	cirododoc	cvroc	cprododo	dodomoc
Ross-on-Wye	23·6	+14	NW'W	5	c	55	75	48	8	5	–	2	7·8	9+	2500	0	*	cq	cqdocw	cb,c	cbcc
Hartland Point	27·8	+8	WNW	4	b-bc	51	92	49	7	1	4	–	Tr	2-3	2500	0	4	bc	bc	bcbc	bcbbc
Bristol	25·3	+10	W'N	4	c	53	92	50	7	7	7	1	9	9+	1500	1	*	cmoc	c	cbc	cbccbc
Portland Bill	26·0	+14	W	5	c	51	85	47	8	5	–	–	10	10	4000	1	5	bc	bc	c	c
Plymouth	29·0	+6	NW'W	5	bc	55	85	45	7	5	–	–	4-6	4-6	2000	0	2	c	cbc	bcb	bbccmo
The Lizard	29·5	+6	NW	5	b	53	85	51	7	–	–	–	0	0	–	0	5	cbc	bcb	mbcbw	bbcw
Scilly (St. Mary's)	31·4	+6	NW'W	5	b	52	92	49	7	–	–	–	0	0	–	0	5	cbc	bcb	bbcbw	bbcw
Guernsey																					
Pembroke	27·9	+8	WNW	5	cbcq	52	85	48	7	8	–	–	7·8	7·8	2500	0	4	cbcq	bccq	cbq	bcqcw
Holyhead (Valley)	24·4	+14	NW	4	%r	50	92	49	7	5	7	–	2-3	9+	800	1	3	cdodomo	cdododoroc	c	c
Chester (Sealand)	23·1	+18	NW	3	c	47	92	45	6	6	2	–	9+	10	800	1	*	cdo	cdodororo	cmprorodd	cmrodd
Manchester	21·7	+10	WNW	5	zo	48	75	40	6	5	3	–	4-6	9	4000	1	*	idoiromo	dodoczo	cdodocmo	dodomoff
Spurn Head	17·8	+18	NW	6	bcq	51	55	35	7	7	3	–	4-6	4-6	2500	0	4	cq	cq	bc	c
Catterick (Sc)	19·3	+22	NNW	5	c	49	65	40	8	5	7	–	Tr	9+	2000	1	*	c	c	c	c
Tynemouth	17·6	+24	NW	6	bcq	51	55	33	7	2	3	–	4-6	4-6	2500	0	3	bcq	bcq	bcqc	c
St. Abbs Head	15·6	+16	WNW	5	cbc	46	85	44	8	2	4	–	4-6	7·8	2500	0	4	bcc	bc	bcc	cbcc
Leuchars	17·4	+14	WNW	5	c	49	55	34	9	8	7	9	4-6	9+	2500	0	*	cbccy	cyccy	cycbc	bccidoc
Renfrew (Abbots I.)	20·3	+20	WNW	4	c	48	92	45	7	8	7	3	7·8	9+	2500	1	*	cbccproc	cproc	ccmoc	ccmororoc
Eskdalemuir	19·9	+22	WNW	4	cbc	44	65	34	8	5	9	1	2-3	7·8	2500	1	*	cprocy	cybc	bcc	c
Point of Ayre	22·8	+18	NW'N	5	c	48	85	44	7	6	7	–	1	10	1800	0	4	c	c	cdodd	ddcdof
Tiree	22·1	+18	NW'W	4	c	47	75	41	8	8	7	–	Tr	10	2000	1	4	cprc	c	ddddodomo	bdodomo
Stornoway	19·2	+24	WNW	4	c	46	75	39	8	2	7	–	2-3	10	2500	1	2	cprhc	c	circ	cidoc
Dalwhinnie	19·0	+20	WNW	3	cbc	41	65	31	8	8	3	–	4-6	7·8	2500	0		vprobc	bcc	*	cidoo
Aberdeen	16·0	+36	NW	5	cbc	45	65	33	8	2	4	6	1	7·8	2500	0	3*	bcbbcc	cprobc	bcb	bcczo
Wick	15·2	+22	NNW	4	cbcjp	42	85	37	6	8	7	8	4-6	7·8	1200	1	*	ccprocpr	cprcmo	cmobc	bcc
Sumburgh	10·6	+38	NNW	7	pr	43	86	40	8	8	5	–	7·8	9+	1500	1	5	cphoproc	cpro	c	cbc
Blacksod Point	28·2	+8	W	5	c	53	85	49	7	5	3	–	4-6	9	1500	1	4	d	c	c	c
Malin Head	22·8	+14	W'N	3	df	47	97	47	3	–	–	–	10	10	<150	1	5	pr	r	d	c
Aldergrove	23·7	+26	NW	3	ido	50	85	46	8	5	–	–	10	10	1600	1	*	c	cido	idododoccido	idomocmo
Birr Castle	28·1	+14	W	3	c	55	75	47	8	8	–	3	7·8	9	1500	1	*	c	c	*	c
Valentia Obsy.	22·9	+12	NW'W	4	cbc	53	85	49	7	8	–	–	7·8	7·8	4000	1	5	bc	bc	bc	c
Roches Point	29·9	+18	NW'N	6	c	55	85	51	8	8	–	–	9	9	1500	1	4	c	c	bc	bc

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate northwesterly wind, becoming light, cloudy, occasional drizzle, becoming fair later; rather cold by day and night.
5 S.W. England, 6 South Wales, 7 North Wales	Light or moderate northwesterly wind, fair, rather cold by day, moderate temperature by night.
8 N.W. England, 9 N. Midlands	Moderate northwesterly wind, cloudy, intermittent drizzle at first, rather cold by day and night.
10 N.E. England, 11 S.E. Scotland	Moderate to light northwesterly wind, cloudy, rather cold by day and night.
12 S.W. Scotland & Isle of Man	AS 8-9
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Light or moderate west wind, backing southwest and freshening later; mainly dull; drizzle at times, rather cold by day moderate temperature by night.
15 N.E. Scotland	Light northwesterly wind, backing west, to southwest, freshening
16 Orkneys and Shetlands	tomorrow, fair at first, cloudy, occasional rain later; rather cold by day and night.
17 N. W. Ireland, 18 N. E. Ireland	AS 13-14
19 S. E. Ireland, 20 S. W. Ireland	As 5-8

GENERAL INFERENCE

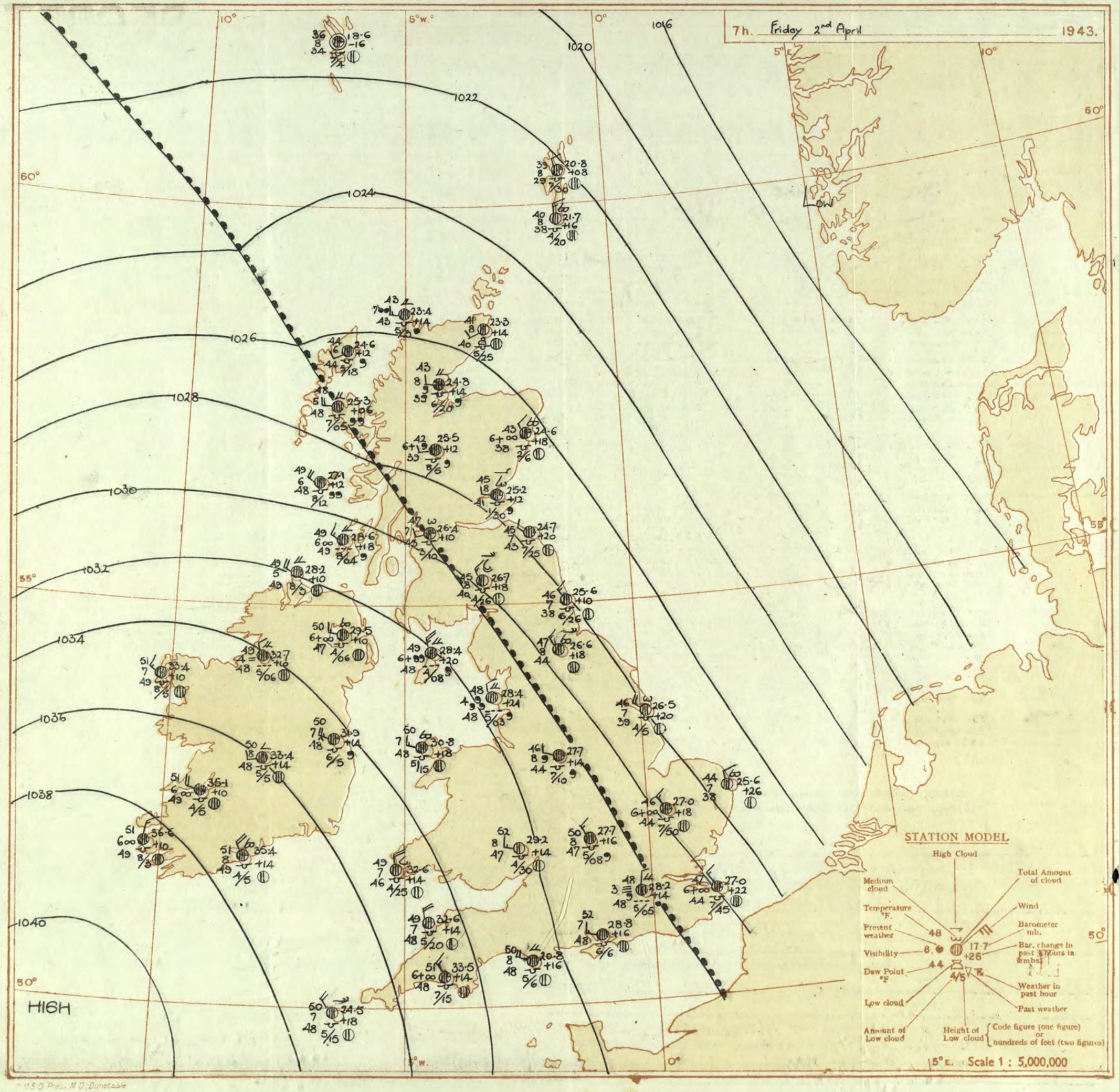
An anticyclone centred southwest of the British Isles is moving slightly northeast, and a weak trough is moving east across Great Britain. There will be some drizzle in the vicinity of the trough and also on the northwest seaboard. Elsewhere it will be fair with variable cloud; it will be generally rather cold.

FURTHER OUTLOOK

Occasional rain in extreme north and northwest, fair elsewhere.

Forecasts issued at 10·30

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Friday 2nd April 1943

No. 29716

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

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	26·1	+6	NNW	2	d₀d₀	50	85	47	5	5	–	–	10	10	1500
	S. Farnborough	226	25·7	+6	WNW	4	o/d	52	85	48	7	5	–	–	10	10	1800
	Boscombe Down	417	27·1	+2	WNW	4	c	50	85	47	7	5	–	–	10	10	2800
	Thorney Island	10	26·4	+8	W'N	4	bc	53	85	48	7	5	–	–	4-6	4-6	5400
	Lympne ..	283	24·7	+12	NNW	6	b	47	85	42	7	5	–	–	1	..	1000
	Manston ...	154	24·2	+10	NW	3	z₀	47	85	42	6	5	–	6	2-3	4-6	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·2	+8	WNW	4	z₀	46	85	41	6	–	–	–	0	0	–
	Gorleston ...	5	21·9	+14	NW	2	z₀	43	85	37	6	–	–	–	0	0	–
	Mildenhall ...	15	23·7	+14	W'N	3	b-bc	45	85	40	7	–	7	–	0	2-3	–
	Cranwell ...	203	23·6	+10	NW	3	z₀	47	75	40	6	5	–	–	10	10	4800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·0	+16	NNW	3	d₀d₀	46	97	46	7	5	–	–	10	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30·4	+4	NW	4	bc	50	92	48	7	1	4	–	Tr	4-6	2500
	Bristol ...	209	28·6	+14	W	3	c	51	92	48	7	5	–	–	10	10	2300
	Portland Bill ...	32	28·6	+8	W	4	c-bc	51	85	47	8	5	–	–	7-8	7-8	4000
	Plymouth ...	82	31·3	+6	NNE	2	b	50	85	47	7	5	–	–	Tr	Tr	2000
	The Lizard ...	240	32·1	+6	NW	3	b	49	92	48	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	32·7	–4	NW'N	5	b	50	92	48	7	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	30·0	+6	WNW	4	b	50	92	47	8	–	–	–	0	0	–
7	Holyhead (Valley)	32	27·7	+14	WNW	6	c	50	92	48	7	5	–	–	10	10	2000
	Chester (Sealand)	16	26·9	+6	WNW	1	dd	46	97	45	5	5	–	–	10	10	900
8	Manchester ...	235	25·7	+10	WNW	3	z₀	45	92	43	6	5	–	–	10	10	1500
10	Spurn Head ...	29	22·4	+12	NW'W	4	bc	46	66	36	7	7	–	–	4-6	4-6	2500
	Catterick (Sc)...	192	23·8	+12	WNW	3	c	46	75	41	8	5	–	–	10	10	6000
	Tynemouth ...	108	23·0	+12	WNW	3	c-bc	46	75	37	7	5	–	–	7-8	7-8	2500
11	St. Abbs Head	280	21·1	+16	W	4	c	44	85	41	7	5	–	–	9	9	2500
	Leuchars ...	36	21·7	+6	WNW	3	bc	45	75	36	8	5	7	–	2-3	4-6	2800
12	Renfrew (Abbots I.)	19	24·8	+12	WSW	3	c	46	92	43	7	5	2	–	9	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	25·5	+6	NW'W	2	dd	46	97	46	5	–	2	–	10	10	2500
13A	Tiree ...	44	25·0	+14	NW	1	d₀d₀	46	97	46	6	5	–	–	10	10	1500
13B	Stornoway ...	15	23·0	+14	WSW	4	c	43	92	41	7	5	2	–	4-6	10	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	21·0	+16	WNW	3	c	42	85	37	8	–	2	–	0	10	–
	Wick ...	114	20·3	+18	W	3	b-bc	39	85	35	8	2	–	–	2-3	2-3	2000
16	Sumburgh ..	19	17·6	+24	NW'N	5	c	41	85	38	8	5	7	–	7-8	9	2000
17	Blacksod Point	18	31·7	+14	NW	3	c	51	92	49	7	5	–	–	10	10	1500
18	Malin Head ...	84	25·8	+14	W'N	4	d₀d₀	50	97	49	6	–	2	–	10	10	800
	Aldergrove ...	268	27·2	+16	W'S	4	d₀d₀	51	85	48	6	5	–	–	10	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	35·2	+10	WNW	4	c	52	92	50	7	5	–	–	9+	9+	1500
	Roches Point	22	33·6	+10	NW'N	4	b-bc	51	85	47	8	5	–	–	2-3	2-3	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	28·3	+18	NE	1	d₀d₀	49	92	47	5	5	–	–	10	10	2500	1	*
Croydon	28·2	+14	N	1	df	48	97	48	3	6	2	–	7-8	10	500	1	*
S. Farnborough	28·3	+16	NW'W	4	id₀	52	85	47	8	5	7	–	9	10	1800	1	*
Boscombe Down	29·4	+10	WNW	4	z₀	51	85	47	6	5	–	1	2-3	2-3	3000	0	*
Thorney Island	28·8	+16	W	3	c	52	85	48	7	5	–	–	9	10	4000	0	*
Lympne	27·7	+22	NNW	3	c	47	85	44	8	5	1	–	2-3	10	1000	1	3
Manston	27·0	+22	NW	3	z₀	47	88	44	6	5	–	–	9+	9+	4500	0	*
Shoeburyness	–	+20	NW	3	z₀	48	85	45	6	5	2	–	4-6	10	1500	0	*
Felixstowe	26·5	+22	WNW	3	z₀	47	85	43	6	5	8	–	9	9+	6500	0	3
Gorleston	25·6	+26	NNW	2	c-bc	44	85	38	7	–	7	–	0	7-8	–	0	3
Mildenhall	27·0	+18	NW	3	z₀	46	92	44	6	5	–	–	9+	9+	5000	1	*
Cranwell	27·0		NW	2	z₀	46		4	6	5	7		7-8	9	4000	0	*
Birmingham	28·4	+10	NW	4	ir₀	50	92	48	5	6	–	–	10	10	800	1	*
Upper Heyford	27·7	+16	NW	3	c	50	92	47	8	5	–	–	7-8	10	800	1	*
Ross-on-Wye	29·2	+14	W'N	3	bc	52	85	47	8	5	–	–	4-6	4-6	3000	0	*
Hartland Point	32·6	+14	NW	4	c-bc	49	92	48	7	5	–	–	7-8	7-8	2000	0	4
Bristol	30·7	+16	W'N	3	c-bc	51	92	49	7	7	–	–	7-8	7-8	4000	1	*
Portland Bill	30·8	+16	WNW	4	c	50	92	48	8	5	2	–	7-8	10	4000	1	4
Plymouth	33·5	+14	NW	3	z₀	51	85	48	6	5	–	–	9+	9+	1500	0	2
The Lizard	33·8	+12	NW	3	bc	48	97	48	8	4	–	–	4-6	4-6	2500	1	3
Scilly (St. Mary's)	34·5	+18	NW	4	c-bc	50	92	48	7	5	–	2	7-8	7-8	1500	1	4
Guernsey																	
Pembroke	32·6	+14	NNW	4	c-bc	49	92	46	7	5	4	–	4-6	7-8	2500	0	4
Holyhead (Valley)	30·8	+18	WNW	3	c	50	92	48	7	5	7	–	7-8	10	1500	1	3
Chester (Sealand)	28·8	+18	W	3	dd	50	97	49	6	5	2	–	9	10	1000	1	*
Manchester	28·0	+28	W'N	2	df	45	97	45	3	5	–	–	10	10	2500	1	*
Spurn Head	26·5	+20	WNW	4	c-bc	46	78	39	7	5	3	–	4-6	7-8	2500	0	3
Catterick (Sc)	26·6	+18	NW	3	c-bc	47	92	44	8	–	7	2	0	7-8	–	0	*
Tynemouth	25·6	+10	NW	3	c-bc	46	75	38	7	5	–	–	7-8	7-8	2600	0	3
St. Abbs Head	24·7	+20	WNW	2	c	45	85	43	7	5	–	–	9+	9+	2500	0	3
Leuchars	25·2	+12	W	2	c	45	86	41	8	5	5	8	Tr	9+	3000	0	*
Renfrew (Abbots I.)	26·4	+10	WSW	2	c	47	92	45	7	5	3	–	2-3	9+	1000	1	*
Eskdalemuir	26·7	+18	NW'W	3	c-bc	45	85	40	8	5	9	2	4-6	7-8	2600	0	*
Point of Ayre	28·4	+20	NW'N	5	d₀d₀	49	97	48	6	6	2	–	4-6	10	800	1	4
Tiree	27·1	+12	WNW	4	o/d	49	97	48	6	5	–	–	10	10	1200	1	3
Stornoway	24·6	+12	SW	2	c	44	97	44	6	5	–	–	10	10	1800	1	2
Dalwhinnie	25·5	+12	WSW	2	id₀	42	85	39	6	5	–	–	10	10	2500	1	*
Aberdeen †	24·6	+18	NW'W	2	z₀	43	85	38	6	5	7	–	1	9	4000	0	2
Wick	23·3	+14	SW	2	c-bc	41	87	40	8	8	–	–	7-8	7-8	2500	1	*
Sumburgh	21·7	+16	NNW	3	c-bc	40	92	38	8	5	7	–	4-6	7-8	2000	1	3
Blacksod Point	33·4	+10	WNW	3	c	51	92	49	7	5	–	–	10	10	2500	1	3
Malin Head	28·2	+10	WNW	4	c	49	97	49	5	–	2	–	10	10	800	1	4
Aldergrove	29·5	+10	W	3	z₀	50	85	47	6	5	7	–	4-6	10	600	1	*
Birr Castle	33·4	+14	WSW	2	c	50	92	48	8	5	1	–	7-8	10	2500	1	*
Valentia Obsy.	36·6	+10	N'E	3	z₀	51	92	49	6	5	–	–	10	10	800	1	3
Roches Point	35·4	+14	NW'N	4	c	51	92	49	8	5	7	–	4-6	9	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 1st Hrs. (38)
London (Kew)	58	49	46	Tr	1	0·0
Croydon	58	48	46	0·2	2	0·0
S. Farnborough	61	50	45	0·1	0·5	1·3
Boscombe Down	57	49	46	–	–	2·1
Thorney Island	62	50	46	Tr	Tr	*
Lympne	56	46	43	0·3	–	0·0
Manston	57	47	44	1	–	0·0
Shoeburyness	57	47	41	0·5	–	0·0
Felixstowe	56	45	41	Tr	–	3·6
Gorleston	54	41	35	Tr	–	2·0
Mildenhall	54	44	39	Tr	–	0·8
Cranwell	56	45	43	–	–	2·6
Birmingham	53	35	34	1	2	0·0
Upper Heyford	57	46	42	0·1	0·3	*
Ross-on-Wye	58	51	47	Tr	–	4·0
Hartland Point	52	48	46	–	–	7·3
Bristol	61	54	48		–	4·1
Portland Bill	52	52	*	–	–	*
Plymouth	58	48	37	–	–	0·9
The Lizard	56	47	*	–	–	10·4
Scilly (St. Mary's)	56	48	*	–	–	7·5
Guernsey						
Pembroke	54	43		–	–	5·1
Holyhead (Valley)	52	49	48	5	Tr	*
Chester (Sealand)	53	46	45	0·3	2	0·0
Manchester	49	43	41	0·2	2	*
Spurn Head	52	45	*	–	–	4·4
Catterick (Sc)	52	45	42	–	–	0·7
Tynemouth	54	45	42	–	–	*
St. Abbs Head	48	43		–	–	
Leuchars	52	43	40	–	Tr	6·4
Renfrew (Abbots I.)	50	44	42	Tr	0·1	4·8
Eskdalemuir	50	41	40	0·3	–	3·5
Point of Ayre	51	45	*	Tr	2	0·2
Tiree	50	44	45	0·3	1	0·0
Stornoway	48	41	40	0·5	Tr	0·7
Dalwhinnie	44	39	36	0·1	Tr	6·0
Aberdeen †	49	40	36	Tr	–	9·2
Wick	46	36	32	1	Tr	*
Sumburgh	45	39	36	0·6	Tr	4·4
Blacksod Point	54	40	*	0·1	–	
Malin Head	50	47		0·4	1	0·0
Aldergrove	50	48	47	Tr	0·1	0·0
Birr Castle	56	47	43	–	–	0·5
Valentia Obsy.	55	50	49	–	Tr	6·5
Roches Point	67	50	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st April ... 18h. G.M.T. | 01h. G.M.T. 2nd April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
109	83	02755	61726	83	02753	61625	50	01753	28313	57	02764	26117
115	52	14844	95627	52	25844	61587	52	81844	28587	52	62735	24368
203							5-	03848	24428	5-	03848	16428
206	33	25754	61686							--57	02844	28168
210	36	02843	59487	83	02753	60486	53	25754	25385	57	02884	22328
219	52	02854	28688	57	25855	26488	51	02754	23356	52	21527	24458
230	87	10855	25327	87	81856	26388	5-	52548	24258	5-	52508	20258
245	35	01963	30614	15	02963	28445	57	01963	28114	57	02853	22285
260	84	02865	26515	44	02864	26429				57	05665	24227
278	87	02755	60628	52	51744	60528	5-	52538	22158	5·	21634	60558
279	26	25855	59486	57	02745	24587	5-	02878	26428	57	02855	22227
285				23	02745	26616				23	05625	28517
288	2-	02857	58627	15	02851	59527	5-	02878	26428	5-	02777	26327
575	62	54426	30458	62	51626	61458	62	21536	30540	62	08435	28228
301	5-	05658	28628	53	02764	61526	52	52646	28358	62	54425	28258
321	23	02754	56625	53	05654	59526	57	05653	26427	5-	05667	26167
2.[illegible]	57	01754	28514	80	01744	22414	50	01743	26313	5-	02745	20315
292	23	02865	63686	15	02861	28425	01	02890	24328	5-	02876	28326
310	--	02628	26528	--	02626	26666				--	57209	26459
614	51	05646	59557	53	05655	59327	52	05565	26328	52	05544	28328

13h. G.M.T. 1st April ... 18h. G.M.T. | 01h. G.M.T. 2nd April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
333	62	54435	28358	57	21645	59458	5-	05658	56428	5-	05647	26427
334										--	03547	22128
340	5-	02946	61328	52	51846	30358	5-	22638	30268	52	62635	32268
136	8-	02757	29527	83	02754	27587	00	05690	28510	53	05675	28427
336	62	64528	28668	62	64426	28568				57	02654	28428
350	87	02855	61557	87	02846	6528	62	62645	28368	02	21648	28358
368	5-	02644	57627	5-	02658	57528	57	02654	55528	57	02845	27328
379	5-	21835	26458	62	62735	28388	5-	51638	28368	5-	02727	28357
390	52	02757	61628	52	05644	28528	52	05564	28424	57	05543	26428
382	52	61837	63528	57	62836	30367	57	22654	29366	57	02845	27328
438	57	02745	24518	82	61745	28387	50	01744	28214	67	61445	30387
430	5-	02745	59527	5-	25756	26327	50	02776	30416			
409	54	05753	60513	50	01764	60414	50	05651	30411	5-	05635	30328

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 ....
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 ...	ircirm	cvirz	rcddm
Croydon ...	cidrrox	czcddm	rcddm
Greenwich ...	cir	c	crrd
Camden Square	c	c	*
Kensington ...	c	bcc	*
Hampstead ...	od	or	od

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

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 ...	58	49	46	Tr	1	0·0	*	*
Croydon ...	58	48	46	02	2	0·0	*	*
Greenwich ...	57	47	45	Tr	1·3	0·0	61	85
Westminster ...	58	48	47	1·9			61	94
Regent's Park ...	57	47	46	Tr	2·2		83	93
Camden Square	57	48	46	–	2·3	*	*	85
Kensington ...	58	47	46	Tr	2·1		63	95
Hampstead ...	57	45	44	Tr	2·9		*	97

SECRET

Page 1

BRITISH SECTION

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

Saturday 3rd April 1943 No.

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

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)	30.2	+4	WNW	1	z	53	85	47	5	5	2	-	7-8	10	2500
	Croydon ...	30.2	+6	NW	1	m	52	85	48	4	5	2	-	7-8	9+	1500
	S. Farnborough	30.4	+4	NW'N	3	c/d	54	85	50	7	5	2	-	9	10	1600
	Boscombe Down	30.7	+4	NNW	4	c	59	65	45	8	7	7	-	7-8	9	1800
	Thorney Island	30.3	+8	NNW	4	c	59	75	49	8	7	-	-	7-8	9	2500
	Lympne ...	29.5	+6	NW	3	c	53	65	41	8	5	-	-	9+	9+	2500
	Manston ...	29.5	+8	NNW	2	c-bc	52	65	41	7	5	3	-	4-6	7-8	5000
2	Shoeburyness ...	29.5	+6	NW	2	c	53	65	43	8	5	-	-	9+	9+	2500
	Felixstowe ...	28.8	+6	WNW	3	c-bc	56	55	41	8	8	-	-	7-8	7-8	5300
	Gorleston ...	27.5	+12	N'W	4	bc	52	55	34	7	1	-	-	4-6	4-6	3000
	Mildenhall ...	28.9	+4	NNW	3	c	55	55	40	8	2	3	1	7-8	9	3000
	Cranwell ...	28.5	0	NNW	3	z	56	65	44	6	5	-	-	9+	9+	3500
3	Birmingham ...	30.4	+8	NW	4	z	53	75	45	5	5	-	-	10	10	1500
	Upper Heyford	30.0	+6	NW	3	z	53	85	49	6	5	-	-	4-6	9+	1100
4	Ross-on-Wye	30.4	0	WNW	3	c-bc	61	55	46	8	8	-	1	7-8	7-8	3000
5	Hartland Point	34.2	+2	WNW	3	c	51	92	49	7	5	-	-	9+	9+	1200
	Bristol ...	31.5	+2	W	3	c	60	75	53	8	2	-	3	7-8	9	2500
	Portland Bill ...	32.5	0	W	3	c-bc	55	85	51	8	2	4	-	4-6	7-8	4000
	Plymouth ...	34.3	-2	NW	3	b-bc	57	75	49	8	1	-	1	2-3	2-3	2000
	The Lizard ...	34.5	+6	NW	3	c-bc	56	85	50	8	5	3	-	7-8	7-8	2000
	Scilly (St. Mary's)	36.2	+6	N'W	1	c	55	85	50	7	5	-	-	9+	9+	1600
	Guernsey ...															
6	Pembroke ...	34.1	0	NW	3	b-bc	53	85	49	8	2	4	-	2-3	2-3	2500
7	Holyhead (Valley)	32.2	+2	NW	3	c	57	75	49	7	8	3	6	4-6	9	3000
	Chester (Sealand)	31.1	+8	NW	4	c	55	75	49	6	5	1	-	7-8	9+	4000
8	Manchester ...	30.2	+6	WNW	5	c/r	51	92	49	6	6	-	-	10	10	800
10	Spurn Head ...	28.5	+4	ENE	2	c	52	65	38	7	7	-	-	9+	9+	4000
	Catterick (Sc) ...	27.9	-2	NW	3	c	55	85	49	8	5	2	-	9	10	3300
	Tynemouth ...	27.4	-4	WNW	3	z	49	75	42	6	8	-	-	9+	9+	2600
11	St. Abbs Head	25.7	0	W	1	c	50	92	47	7	5	-	-	9+	9+	2800
	Leuchars ...	25.1	-6	NW'N	4	c	60	65	49	8	2	7	6	7-8	9+	2000
12	Renfrew (Abbots I.)	28.1	+12	W	3	c	56	75	50	8	8	7	5	7-8	9+	1600
	Eskdalemuir ...	27.6	+4	NW'W	4	c	54	75	46	8	5	-	1	9	9	1800
	Point of Ayre ...	30.8	+8	NW'N	3	d	50	97	50	6	-	2	-	10	10	2000
13A	Tiree ...	28.9	+6	W	4	m	50	97	50	4	5	-	-	10	10	1000
13B	Stornoway ...	24.3	-2	WSW	5	c	51	97	49	6	5	-	-	10	10	800
15	Dalwhinnie ...	25.0	+14	W	3	c	52	75	45	7	8	-	-	9+	9+	2500
	Aberdeen ...	24.4	-4	W	2	c	52	75	43	8	5	-	-	10	10	2000
	Wick ...	22.0	+18	WSW	3	r	57	75	49	8	5	-	-	10	10	1500
16	Sumburgh ...	20.6	-14	SW	4	c	44	97	43	8	5	7	-	7-8	10	2000
17	Blacksod Point	34.9	+2	W	4	c	54	85	50	6	5	3	-	4-6	9+	2500
18	Malin Head ...	30.6	+8	W'S	4	c	52	92	50	5	-	2	-	10	10	800
	Aldergrove ...	31.4	+6	WNW	3	c	57	75	50	8	8	7	8	2-3	9+	2000
19	Birr Castle ...	34.4	+2	WNW	2	bc	62	55	47	8	4	-	-	4-6	4-6	1500
20	Valentia Obsy.	37.9	0	NW'W	2	c-bc	54	88	50	7	5	-	3	7-8	7-8	1500
	Roches Point	36.1	-2	NNW	4	bc	58	75	50	8	5	-	5	4-6	4-6	2500

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

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)	30.8	+10	NNW	3	z	55	75	45	6	7	3	1	2-3	4-6	4000	1	*
	Croydon ...	30.6	+6	NNW	4	z	56	75	47	6	2	4	-	7-8	7-8	2500	1	*
	S. Farnborough	30.9	+8	NNW	3	z	57	75	47	6	8	5	-	4-6	9	2000	1	*
	Boscombe Down	31.2	+6	NNW	3	c	57	65	46	9	8	-	-	9+	9+	2000	0	*
	Thorney Island	30.5	+6	NW'N	3	c	59	92	57	8	9	-	-	9+	9+	4000	0	*
	Lympne ...	30.3	+8	SSE	2	z	48	85	45	5	5	-	-	10	10	2000	0	§
	Manston ...	29.8	+6	NW	2	z	53	75	45	6	5	3	-	7-8	9+	4000	0	*
2	Shoeburyness ...	29.3	+6	NW	2	z	54	75	47	6	5	-	-	9+	9+	2500	0	*
	Felixstowe ...	29.2	+6	SE	4	c	47	85	42	7	5	-	-	10	10	4000	0	3
	Gorleston ...	28.4	+2	N'E	1	c	49	65	39	7	5	-	-	9+	9+	1500	0	3
	Mildenhall ...	28.9	0	W'S	2	id	53	75	44	5	5	-	-	10	10	2500	0	*
	Cranwell ...	28.7	+4	WNW	3	z	55	75	47	6	-	7	2	0	2-3	-	0	*
3	Birmingham ...	31.0	+4	NW	3	z	52	85	48	6	5	-	1	Tr	1	1500	1	*
	Upper Heyford	30.5	+4	NNW	3	z	54	75	47	6	5	4	-	7-8	9	1800	0	*
4	Ross-on-Wye	31.2	+6	NW	3	c	56	75	47	8	5	-	-	9	9	3000	0	*
5	Hartland Point	33.6	-2	WSW	3	bc	52	85	49	7	1	4	-	Tr	4-6	2000	0	3
	Bristol ...	32.0	+10	NW	3	b-bc	57	75	49	7	5	4	-	2-3	2-3	4000	0	*
	Portland Bill ...	31.3	-4	WNW	3	bc	54	85	50	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	33.8	-2	NW	3	b-bc	55	85	49	7	-	9	2	0	2-3	-	0	2
	The Lizard ...	34.2	+2	N	3	c-bc	55	75	38	8	4	7	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	35.2	-6	NW'N	2	c-bc	54	75	47	7	5	-	3	1	7-8	1500	0	3
	Guernsey ...																	
6	Pembroke ...	33.3	-4	NW	3	b-bc	53	75	46	8	2	7	-	2-3	2-3	3000	0	2
7	Holyhead (Valley)	32.0	+2	NW'N	3	bc	55	75	47	7	-	3	-	0	4-6	-	1	3
	Chester (Sealand)	31.0	+2	NNW	3	c	53	85	49	6	5	7	-	7-8	10	2500	1	*
8	Manchester ...	30.8	+6	W'N	2	z	51	92	49	5	5	-	-	10	10	800	1	*
10	Spurn Head ...	28.3	-2	SSE	3	bc	47	75	40	7	7	3	2	2-3	4-6	4000	0	2
	Catterick (Sc) ...	27.9	+2	NW	3	b	56	75	48	8	5	3	9	2-3	9	2500	0	*
	Tynemouth ...	26.8	+4	WNW	4	z	57	65	49	6	-	3	-	0	4-6	-	0	4
11	St. Abbs Head	23.6	-6	W	5	c-bc	55	85	51	7	5	4	-	4-6	7-8	3500	0	4
	Leuchars ...	24.6	+2	W	4	c	57	85	51	8	5	7	-	2-3	9+	2500	0	*
12	Renfrew (Abbots I.)	28.0	-2	W	3	z	52	92	49	6	5	-	-	10	10	800	1	*
	Eskdalemuir ...	28.1	0	W	3	z	50	85	46	6	5	-	1	7-8	10	1100	0	*
	Point of Ayre ...	30.8	0	NW'N	4	c	50	92	48	7	1	7	-	Tr	9+	1800	1	2
13A	Tiree ...	28.8	0	W'N	3	z	50	92	48	6	5	-	-	10	10	1000	0	3
13B	Stornoway ...	24.2	+6	W	6	id	51	97	48	5	5	-	-	10	10	200	1	4
15	Dalwhinnie ...	25.0	0	W	3	id	48	92	45	6	5	2	-	4-6	10	1500	1	*
	Aberdeen ...	22.2	-4	W'N	3	c	57	65	46	7	5	7	-	1	9+	3000	0	2
	Wick ...	20.4	-2	SSW	5	c/r	50	85	47	6	6	2	-	9	10	500	1	*
16	Sumburgh ...	14.4	-30	W'N	6	c/d	48	97	48	6	5	-	-	10	10	400	1	4
17	Blacksod Point	35.0	+6	WSW	3	b	52	85	47	8	8	-	-	1	1	2500	1	3
18	Malin Head ...	31.3	+6	W'S	3	c	50	92	48	6	5	-	-	9+	9+	800	1	3
	Aldergrove ...	31.3	+2	WNW	4	c	56	65	43	7	5	7	2	1	9	2000	1	*
19	Birr Castle ...	34.0	0	WNW	2	bc	58	75	50	8	5	-	5	2-3	4-6	2500	1	*
20	Valentia Obsy.	37.4	+4	NW'N	3	b-bc	53	85	48	8	1	-	3	1	2-3	2500	1	2
	Roches Point	35.1	-2	N'W	3	bc	57	75	49	8	5	-	5	1	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.—7h. 3rd (42)
1	London (Kew)	did.cm.	cz.bcz.	bbcm.w	cm.w
	Croydon ...	cm.d.d.mcm	cmczcz.	cz.bmw.cm	cm.
	S. Farnborough	cr.id.m.id.c	ez.	cbcz.bm.bc	bcm.cb
	Boscombe Down	bbcc	c	cir.bcc	cm.bcm.
	Thorney Island	bcc	c	cm.bbcm.	om.cm.ccw
	Lympne ...	c	ccm.	cm.bm	bmcm.w
	Manston ...	c	c	cbcbm.	bmcmm.
2	Shoeburyness ...	cm.c	c		cm.bcm.
	Felixstowe ...	cm.cbccy	cybcc	cm.bcm.bm	bmcm.w
	Gorleston ...	bcy	c	cbcbz.	bccz.
	Mildenhall ...	cm.c	ccz.id.	cz.id.bm.bm	bm.bcm.w
	Cranwell ...	cm.ccz.	ez.bcz.	bcz.m.	bcm.cm.
3	Birmingham ...	or.cm.	cbcz	bbc	bco
	Upper Heyford	cid.cm.	cm.z.	cz.bm.	bm.cm.
4	Ross-on-Wye	cbcc	cyc	cbcc	cbw
5	Hartland Point	c	cbc	bcbb	cbc
	Bristol ...	cbcc	cbccbc	bccbcm.	cm.bcm.
	Portland Bill ...	c	cbc	bc	bcc
	Plymouth ...	cm.bd	beb	bcbm.	bm.
	The Lizard ...	c	cbcc	cbcb	bbczw
	Scilly (St. Mary's)	bcc	cbcc	cbbcw	bcbw
	Guernsey ...				
6	Pembroke ...	cbc	bc	bc	bc
7	Holyhead (Valley)	cbccv	cbc	bcb	bcbw
	Chester (Sealand)	dd.cr.c	cm.cz	cm.z.m	cm.m
8	Manchester ...	daffmir	cm.	cm.bcm	bccm.
10	Spurn Head ...	c	bc	b	c
	Catterick (Sc) ...	c	c	bc	bcc
	Tynemouth ...	cm.	cbcm.	bcq	bcq
11	St. Abbs Head	cm.pre	cbcc	cbc	bcc
	Leuchars ...	c	c	cbc	bcbbcc
12	Renfrew (Abbots I.)	cm.c	ccm..	cm.	cm.ccm.
	Eskdalemuir ...	cpr.c	cbcir.c	cir.c	cm.
	Point of Ayre ...	codd	d.d.c	cbbcc	cbcc
13A	Tiree ...	cid.foidom	omcm.	om.c	cbcbbcc
13B	Stornoway ...	cid.cm.	cd.d.m.	cd.d.m.	cddmcd.m.
15	Dalwhinnie ...	oid.c	cid.o		oid.bcc
	Aberdeen ...	ez.c	cir.bcc	cir.c	c
	Wick ...	ccr.r.	cr.r.	bccirm.	cr.d.d.m.
16	Sumburgh ...	bcc	r.r.d.d.c	bc	bcc
17	Blacksod Point	c	bc	bc	c
18	Malin Head ...	c	c	c	bc
	Aldergrove ...	cm.c	c	cm.cbc	bccm.bcm.w
19	Birr Castle ...	bc	bc		c
20	Valentia Obsy.	c	bc	c	c
	Roches Point	c	bc	b	b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate northwest to light variable winds; fair with considerable bright periods; fog developing in latter part of night, dispersing quickly after dawn; rather warm.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate northerly to variable winds; mainly fine; rather warm.
9 N. Midlands ... 10 N.E. England	As 1-4.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light or moderate westerly winds; fair; rather warm.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh westerly winds; dull with occasional slight drizzle, more general rain probable later; rather cold.
16 Orkneys and Shetlands	As 13A - 15.
17 N.W. Ireland 18 N.E. Ireland	As 11 - 12.
19 S.E. Ireland 20 S.W. Ireland	Light variable winds; fair rather warm.

GENERAL INFERENCE

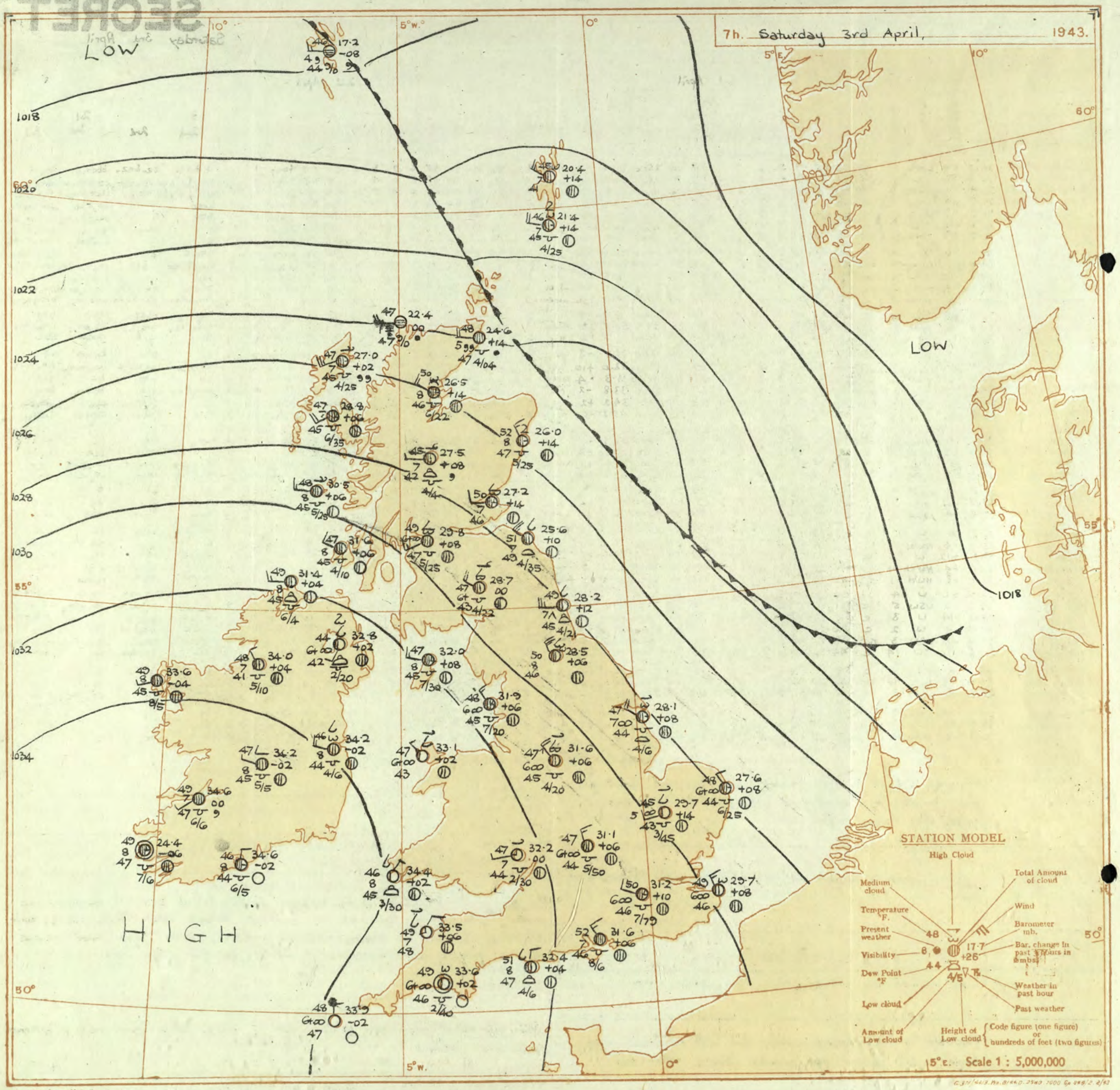
An anticyclone is centred to the southwest of the British Isles. A trough of low pressure will approach our north and northwest districts later. There will be some drizzle at first in the extreme north and northwest, where some more general rain is probable later. Elsewhere it will be fair and rather warm.

FURTHER OUTLOOK

Fair and rather warm over greater part of British Isles. Some rain in extreme north and northwest.

Forecasts issued at 10.30.

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



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

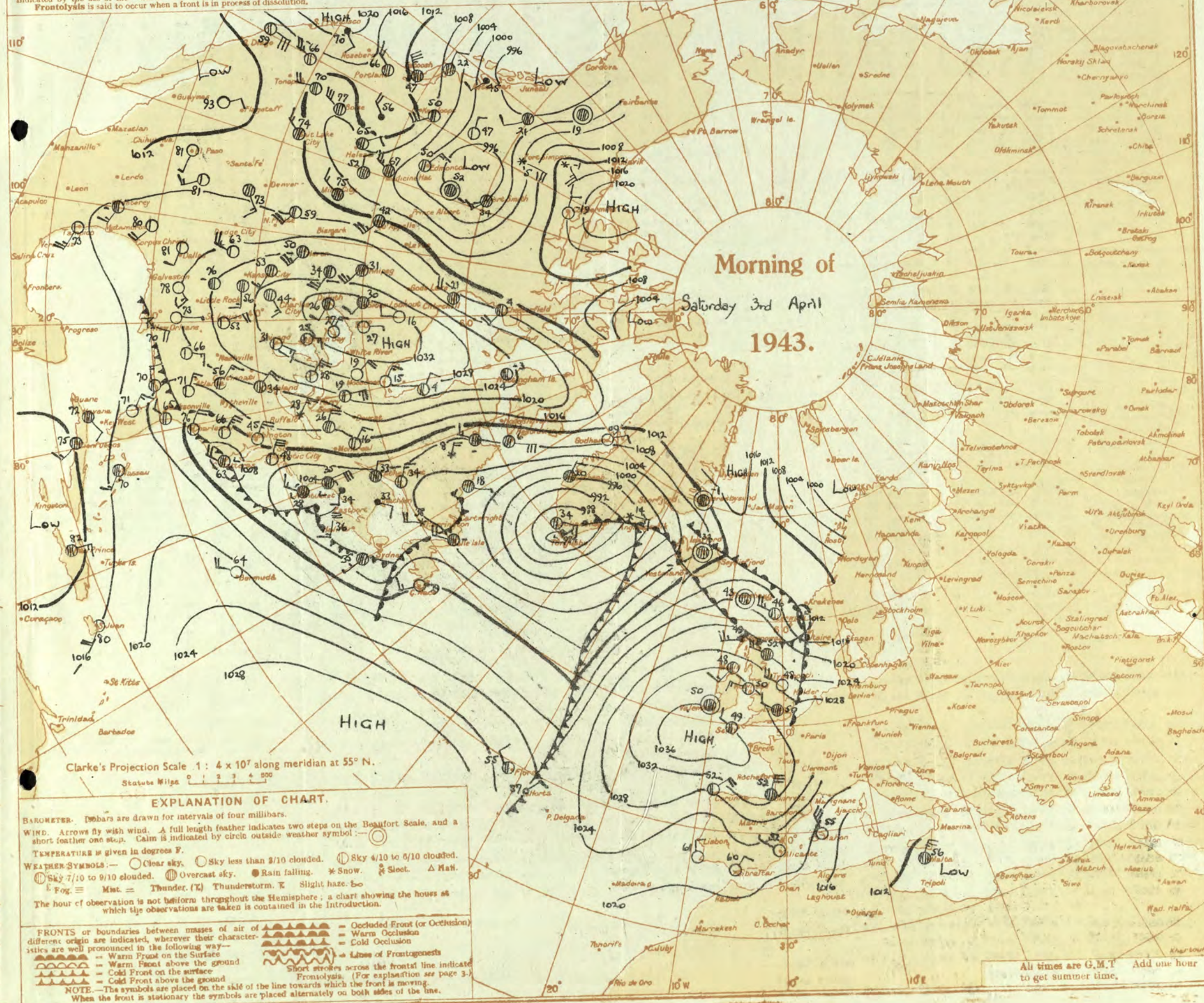
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 2/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Mist. 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.

BRITISH SECTION

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

Saturday 3rd April 1943

No. 29717

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon	290	30·9	-6	WNW	2	z0	50	85	46	5	5	-	-	10	10	3700
	S. Farnborough	226	31·2	-6	NW'W	3	bc	50	85	46	7	5	-	-	4-6	4-6	6000
	Boscombe Down	417	32·1	-2	WNW	2	c-bc	50	85	47	7	5	-	-	7-8	7-8	6000
	Thorney Island	10	31·4	-2	W'N	3	z0	51	85	47	6	5	-	-	9+	9+	6800
	Lympne	283	31·2	-2	NW	2	z0	48	97	42	4	-	-	-	0	0	-
	Manston	154	29·6	-2	WNW	2	z0	47	92	45	5	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	28·7	-10	W'N	3	z0	47	92	46	5	-	-	-	0	0	-
	Gorleston	5	27·2	-10	WNW	2	z0	48	75	39	6	-	-	-	0	0	-
	Mildenhall	15	28·7	-2	WSW	2	m	45	92	43	4	-	-	-	0	0	-
	Cranwell	203	28·9	-2	W'N	3	z0	48	85	44	5	5	-	-	4-6	4-6	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	30·7	-4	WNW	2	z0	49	85	45	6	5	-	-	1	1	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	33·2	-6	SSW	3	c	49	92	48	7	5	-	-	9+	9+	4000
	Bristol	209	32·8	-2	W	2	z0	48	92	46	6	5	-	-	9	9	4000
	Portland Bill	32	32·4	-4	NW	3	bc	51	85	47	8	5	-	-	4-6	4-6	4000
	Plymouth	82	34·1	-4	NW	2	z0	48	92	46	6	-	-	1	0	Tr	-
	The Lizard	240	34·2	-10	NNW	2	b	47	92	45	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	35·2	-4	NNW	2	bc	49	92	48	7	5	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	34·1	+2	N'E	4	b-bc	50	85	46	7	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	32·8	+2	WNW	3	b-bc	50	85	47	7	-	4	-	0	2-3	-
	Chester (Sealand)	16	31·6	+2	W	2	m	51	85	46	4	5	2	-	2-3	10	3000
8	Manchester	235	30·6	-4	W	4	z0	47	97	45	5	5	-	-	2-3	2-3	1500
10	Spurn Head	29	27·1	-6	WNW	5	b	48	85	44	7	-	-	-	0	0	-
	Catterick (Sc.)	192	27·8	+4	WNW	5	b-bc	50	85	46	7	-	4	-	0	2-3	-
	Tynemouth	108	26·6	+6	NW	6	b-bcq	50	85	45	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	23·1	+2	WNW	6	b-bc	52	92	51	7	5	-	-	2-3	2-3	2500
	Leuchars	36	25·0	-2	-	0	c-bc	51	85	47	8	-	7	-	0	7-8	-
12	Renfrew (Abbots I.)	19	28·5	+2	W	3	z0	50	92	48	6	5	-	-	10	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	31·3	+2	NW	4	c	49	92	47	8	5	-	-	9	9	2000
13A	Tiree	44	29·5	+6	W'N	6	c	48	92	47	7	5	-	-	9+	9+	1500
13B	Stornoway	15	26·1	+10	W	5	d0d0	49	97	49	5	5	-	-	10	10	700
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23·7	+6	WNW	4	z0	52	92	49	6	5	-	-	10	10	2000
	Wick	114	22·5	+8	W	5	r0	48	97	47	6	5	-	-	4-6	10	800
16	Sumburgh	19	18·4	+22	NW'W	6	c-bc	46	92	44	8	5	3	-	4-6	7-8	2000
17	Blacksod Point	18	34·6	-2	W'S	1	bc	49	97	48	8	5	-	-	4-6	4-6	2500
18	Malin Head	84	31·8	+4	SW	3	bc	48	92	46	8	5	-	-	4-6	4-6	1500
	Aldergrove	268	32·7	+4	W	4	bc	48	85	44	7	8	-	-	4-6	4-6	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	35·9	-6	-	0	0	50	85	46	8	5	-	-	10	10	4000
	Roches Point	22	36·6	-2	N	3	b	48	85	44	8	5	-	-	1	1	2500

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

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)	31·3	+6	NW	2	z0	51	75	45	6	5	3	-	9	9+	4000	1	*
Croydon	31·2	+10	WNW	2	z0	50	85	46	6	5	-	-	9+	9+	7900	1	*
S. Farnborough	31·9	+10	NW'W	2	b-bc	49	85	44	7	-	7	-	0	2-3	-	1	*
Boscombe Down	33·5	+6	NW'W	2	z0	49	85	45	6	5	-	-	2-3	2-3	7700	0	*
Thorney Island	31·6	+6	NW'W	3	c	52	85	46	7	5	-	-	10	10	4000	0	*
Lympne	30·3	+6	NW	2	z0	47	85	44	5	5	-	1	4-6	4-6	3500	0	§3
Manston	29·7	+8	NW'W	3	z0	49	85	46	6	-	3	-	0	4-6	-	0	*
Shoeburyness	29·8	+10	WNW	3	z0	49	85	46	6	-	3	1	0	4-6	-	1	*
Felixstowe	29·5	+14	WNW	3	z0	48	85	43	6	-	5	-	0	9	-	0	3
Gorleston	27·6	+8	NW'W	2	z0	48	85	44	6	5	-	-	9	9	2500	0	3
Mildenhall	29·7	+14	SW	2	z0	45	92	43	5	5	4	1	2-3	2-3	4500	0	*
Cranwell	29·3	+10	NW	3	z0	48	85	45	6	5	-	1	9	9+	2500	0	*
Birmingham	31·9	+2	NW	4	z0	49	85	45	6	5	-	-	10	10	800	1	*
Upper Heyford	31·1	+6	NW'N	3	z0	47	92	44	6	5	-	-	7-8	7-8	5000	0	*
Ross-on-Wye	32·2	0	W'S	1	b	47	85	44	7	5	-	1	1	1	3000	0	*
Hartland Point	33·5	+6	NNE	2	b	49	97	48	7	-	4	1	0	1	-	0	3
Bristol	33·3	+8	W'N	1	z0	48	92	45	6	5	-	-	Tr	Tr	4000	0	*
Portland Bill	32·4	+4	N	2	c-bc	51	92	47	8	2	4	-	4-6	7-8	4000	1	3
Plymouth	33·6	+2	-	0	z0	49	92	46	6	5	3	-	1	2-3	4000	0	1
The Lizard	32·8	-2	NE	3	b-bc	48	85	44	7	4	-	-	2-3	2-3	2000	1	3
Scilly (St. Mary's)	33·9	-2	N'E	2	z0	48	97	47	6	-	-	-	0	0	-	1	3
Guernsey																	
Pembroke	34·4	+2	NE'N	1	b-bc	46	97	45	8	2	4	-	2-3	2-3	3000	0	2
Holyhead (Valley)	33·1	+2	NW	1	z0	47	85	43	6	-	4	1	0	2-3	-	1	2
Chester (Sealand)	30·3		NW	3	c-bc	49		0	8	5	3	-	4-6	7-8	2500	1	*
Manchester	31·6	+10	W	3	z0	47	97	46	5	5	-	-	10	10	1500	1	*
Spurn Head	28·1	+8	WNW	4	z0	47	85	44	7	7	3	1	4-6	9	4000	0	2
Catterick (Sc.)	28·5	+6	NW	5	c-bc	50	92	46	8	-	3	5	0	7-8	-	0	*
Tynemouth	28·2	+12	W	5	bcq	49	85	45	7	2	4	-	4-6	4-6	2100	0	3
St. Abbs Head	25·6	+10	WNW	5	c-bc	51	92	49	7	1	4	-	4-6	7-8	3500	0	4
Leuchars	27·2	+14	W	2	c	50	85	46	7	-	7	-	0	9+	-	0	*
Renfrew (Abbots I.)	29·8	+8	SW	3	z0	49	92	47	6	5	7	-	7-8	10	2500	0	*
Eskdalemuir	28·7	0	WNW	4	c-bc	47	86	43	6	5	7	8	4-6	7-8	2200	0	*
Point of Ayre	32·0	+8	W'N	3	c	47	92	45	8	5	-	-	9+	9+	3000	0	2
Tiree	30·5	+6	W	3	c-bc	48	92	45	8	5	-	2	7-8	7-8	2500	0	3
Stornoway	27·0	+2	WSW	5	c/d	47	92	43	7	5	-	2	4-6	9	2500	1	3
Dalwhinnie	27·5	+8	W	1	c-bc	45	85	42	7	8	-	8	4-6	7-8	1500	1	*
Aberdeen †	26·0	+14	NW	3	c	52	85	47	8	5	-	6	7-8	9	2500	0	2
Wick	[illegible]	+14	W	4	d0d0	48	97	47	5	5	-	-	4-6	10	400	1	*
Sumburgh	21·4	+14	W'N	4	c	46	97	45	7	5	3	6	4-6	9	2500	1	3
Blacksod Point	33·6	-4	WSW	1	c	49	85	45	8	5	-	-	10	10	2500	1	2
Malin Head	31·4	+4	W	3	c	49	85	45	8	8	-	-	7-8	9	1500	1	3
Aldergrove	32·8	+2	SSW	1	z0	44	97	42	6	8	4	9	1	4-6	2000	1	*
Birr Castle	34·2	-2	WNW	1	c	47	92	45	8	5	1	-	7-8	10	2500	1	*
Valentia Obsy.	34·4	-6	-	0	c	49	92	47	8	5	-	-	9+	9+	4000	1	1
Roches Point	34·6	-2	N	2	c	46	92	44	8	5	-	-	9	9	2500	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 2nd. Hrs. (38)
London (Kew)	58	48	32	0·3	Tr	1·2
Croydon	57	46		0·2	-	
S. Farnborough	58	46	35	4	Tr	0·5
Boscombe Down	59	47	43	-	-	2·6
Thorney Island	62	49	38	-	-	*
Lympne	55	42	39	-	Tr	1·3
Manston	55	45	42	-	Tr	2·7
Shoeburyness	58	46	37	-	-	1·0
Felixstowe	57	45	42	-	-	4·5
Gorleston	54	45	43	-	-	7·1
Mildenhall	57	43	36	-	Tr	2·3
Cranwell	57	45	42	-	-	1·9
Birmingham	55	47	43	0·1	-	1·0
Upper Heyford	57	49	37	Tr	-	*
Ross-on-Wye	61	47	37	-	-	1·2
Hartland Point	53	48	42	-	-	3·4
Bristol	63	46	36	-	-	8·4
Portland Bill	55	48	*	-	-	*
Plymouth	58	44	29	-	-	5·8
The Lizard	60	44	*	-	-	8·3
Scilly (St. Mary's)	57	47	*	-	-	8·4
Guernsey						
Pembroke	57	45	*	-	-	8·6
Holyhead (Valley)	60	45	43	-	-	*
Chester (Sealand)	57	49	46	1	-	0·8
Manchester	53	46	43	1	-	*
Spurn Head	52	46	*	-	-	2·2
Catterick (Sc.)	59	45	45	-	-	3·3
Tynemouth	60	49	45	-	-	*
St. Abbs Head	59	49	*	Tr	-	*
Leuchars	63	49	45	-	-	3·1
Renfrew (Abbots I.)	56	49	46	-	-	1·1
Eskdalemuir	56	47	43	Tr	Tr	3·4
Point of Ayre	51	45	*	0·4	-	0·2
Tiree	53	46	44	0·1	-	0·0
Stornoway	52	47	44	1	0·4	0·0
Dalwhinnie	53	48	41	Tr	0·1	2·0
Aberdeen †	60	50	48	Tr	Tr	0·6
Wick	52	*	44	2	Tr	*
Sumburgh	48	45	39	2	-	2·0
Blacksod Point	55	46	*	-	-	*
Malin Head	53	47		-	-	1·2
Aldergrove	60	41	35	-	-	3·3
Birr Castle	63	46	40	-	-	5·8
Valentia Obsy.	55	48	42	-	Tr	3·6
Roches Point	60	46	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 2nd April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 3rd April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
100	5-	51638	20358	5-	22647	18449	5-	02756	24526	--	57409	24459
115	--	67109	20469	--	67109	20469	--	67409	24469	--	67109	24469
203												
206	57	02864	24327	52	21845	55557	45	28255	2655·	--20	02643	26254
210	7-	02887	22327	5-	62748	24568	5-	05648	24468	53	05655	24426
219	5-	08418	23458	5-	05528	24528	5-	05638	87428	50	02766	20426
230	5-	02637	25258	5-	52638	23358	5-	51638	24258	5-	02746	26327
245	5-	02967	22227	59	02964	24327	55	01862	23314	14	02861	20317
260	24	01853	24325	17	05551	24428	54	88437	24527	07	05590	55415
278	5-	52518	26458	57	05654	28457	5-	02745	26425	53	02846	01127
279	57	02745	22256	57	02745	21128	57	02753	24427	54	02755	18227
285	23	05635	28626	23	05635	28517				23	05634	32516
288	72	05665	28328	14	02861	25327	53	01753	23315	53	02775	23326
575	80	05654	28214	6-	05647	61229	5-	08435	30325			
301				5-	05536	28228	5-	05658	30228	5-	05657	27327
321	86	05664	28426	24	05663	24427	00	05690	24300	54	05674	26325
[illegible]	5-	02748	30328	87	02744	22325	5-	02755	24325			
292	22	25956	28287	14	02851	28225	04	01790	24302	50	02774	28315
310	--	57109	25350	--	48209	26229				--	46209	26349
614	5-	05547	30327				00	05590	26200	53	05665	26225
333	13	05654	28326	54	02883	28325	5-	05654	28124			
334	--	02744	28215	--	02743	28214				--	01661	22112
340	52	02245	28457	5-	05658	28·18	5-	05657	30227	5-	05658	30228
136	43	01863	28314	53	02754	26217	00	05590	22310	5-	05667	26417
330	28	01753	28414	13	01753	28415				13	01753	32314
350	97	27328	29654	56	05657	26326	50	05663	25323	5-	05667	26327
368	70	01854	24314	54	01752	24413				50	01638	28313
379	2-	02747	28457	57	02765	28326	5-	05667	26227	50	01664	28214
390	87	21645	28357	87	05655	28425	5-	08468	26228	50	05561	28323
382	53	22845	30367	55	05674	30268	50	05672	26322	53	02774	28215
438				53	02654	24216	00	05590	22310	5-	02657	28527
430	5-	02755	26325	53	02766	28227	5-	05578	28128	5-	05678	30228
409	5-	02746	29328	59	05641	29215	00	00590	14110	50	47264	00024

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 3rd. April
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	did0cm0	cz0bcz0	bbcm0w
Croydon	cm0d0d0cm	cmczcz0	cz0bcm0
Greenwich	cdc	cbc	bcbc
Camden Square	c	c	*
Kensington	cdc	cbc	*
Hampstead	od	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·3 Time 20-21h 2nd. Min. <0·1 Time 0-6h 3rd.

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	58	48	32	0·3	Tr	1·2	*	*
Croydon	57	46	·	0·2	-		*	*
Greenwich	57	47	37	Tr	-	0·7	71	71
Westminster	59	47	39	-	-		75	70
Regents Park	55	48	44	Tr	-		77	79
Camden Square	57	49	41	Tr	-	*	*	75
Kensington	58	48	39	Tr	Tr		76	75
Hampstead	57	46	38	0·2	-		*	81

Page 1 BRITISH SECTION

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

SECRET

Sunday 4th April 1943.

No. 29718

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	30·9	−6	N	2	2₀	60	55	45	6	8	3	6	7-8	9	4000
	Croydon	31·0	−2	NNW	2	2₀	60	65	47	6	2	−	−	7-8	7-8	3000
	S. Farnborough	30·9	−10	NW'N	3	bc	62	55	46	7	1	−	−	4-6	4-6	3000
	Boscombe Down	31·5	−4	N'W	2	bc	61	55	45	7	2	−	−	4-6	4-6	3000
	Thorney Island	31·1	−12	N	3	b-bc	63	45	38	7	1	−	−	2-3	2-3	3500
	Lympne	30·6	0	−	0	c	58	65	47	7	4	−	−	9	9	3000
	Manston	30·8	+2	NNW	3	c-bc	57	75	48	7	1	−	8	1	7-8	3000
	Shoeburyness	30·5	+2	WNW	1	c	60	65	48	7	2	−	−	9	9	2500
	Felixstowe	30·3	+2	N'E	2	2₀	60	65	49	6	5	−	−	9+	9+	2500
	Gorleston	30·2	+2	N'E	4	c-bc	54	75	46	7	7	3	−	4-6	7-8	2000
	Mildenhall	30·7	+2	N	2	c	59	65	47	7	7	−	−	4-6	9+	2500
	Cranwell	30·4	−6	N'W	3	2₀	61	65	49	6	5	3	−	7-8	9	5300
3	Birmingham	31·1	−2	NW	4	b-bc	57	65	45	8	−	−	1	0	2-3	−
	Upper Heyford	31·1	0	N'W	4	2₀	59	65	45	6	1	−	−	2-3	2-3	2500
4	Ross-on-Wye	31·8	−4	NNW	3	b-bc	60	65	46	8	1	−	1	2-3	2-3	3500
5	Hartland Point	32·8	−6	NNE	2	bc	51	85	48	7	1	4	5	1	4-6	3000
	Bristol	32·0	−10	NNW	3	c-bc	61	65	48	8	7	4	4	4-6	7-8	3000
	Portland Bill	31·4	−12	W	2	bc	53	85	49	8	1	−	−	4-6	4-6	4000
	Plymouth	33·0	−6	SW	2	bc	57	75	49	8	1	−	4	1	4-6	2500
	The Lizard	32·8	0	ESE	3	bc	60	65	48	8	8	6	−	4-6	4-6	2500
	Scilly (St. Mary's)	33·1	−8	NE'E	2	b	61	75	53	6	5	−	−	1	1	2000
	Guernsey															
6	Pembroke	33·6	−8	NW	3	bc	52	85	48	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	33·0	−6	NNW	2	b-bc	54	75	45	7	7	6	−	2-3	2-3	2500
	Chester (Sealand)	32·6	−6	NW	2	c-bc	53	75	46	7	1	−	2	4-6	7-8	2500
8	Manchester	31·8	−6	WNW	3	2₀	55	85	46	6	1	−	1	4-6	4-6	2000
10	Spurn Head	30·1	+2	NNE	4	c	60	55	45	7	7	7	−	4-6	9+	4000
	Catterick (Sc)	29·8	−4	NW	2	b-bc	61	65	50	8	2	−	1	2-3	2-3	3000
	Tynemouth	29·8	+4	W	4	bc	50	55	44	7	1	3	1	2-3	4-6	2800
11	St. Abbs Head	27·7	+2	WNW	5	c-bc	52	92	49	7	5	7	−	4-6	7-8	3500
	Leuchars	28·3	−2	W	4	c-bc	59	75	51	7	8	−	7	2-3	7-8	3000
12	Renfrew (Abbots I.)	30·6	−2	W	3	c	54	85	49	9	7	−	−	7-8	9+	1000
	Eskdalemuir	29·6	+2	W'N	3	bc	56	55	42	8	7	−	2	2-3	4-6	3500
	Point of Ayre	32·4	+2	NW	2	b	55	75	47	8	1	−	1	Tr	1	3000
13A	Tiree	30·8	+2	WSW	3	c	52	85	47	8	1	4	−	4-6	9	2500
13B	Stornoway	27·0	−2	WSW	4	id₀	51	92	49	8	5	−	−	9	9	1200
15	Dalwhinnie	28·5	0	WSW	3	bc	54	65	42	8	8	−	−	4-6	4-6	2500
	Aberdeen	26·9	0	NW	2	c-bc	61	55	42	8	1	−	8	Tr	7-8	4000
	Wick	26·3	+8	SW	3	c	53	65	42	9	5	−	9	7-8	9	4000
16	Sumburgh	22·2	+2	W	5	c/d	47	97	47	6	5	−	−	7-8	10	700
17	Blacksod Point	32·8	−6	S	2	o	53	65	42	9	5	−	−	10	10	2500
18	Malin Head	31·6	−2	W'S	3	c	53	75	42	8	5	−	−	10	10	1500
	Aldergrove	32·6	+4	WNW	2	c-bc	54	55	38	9	5	−	−	7-8	7-8	3000
19	Birr Castle	33·5	−2	NE	1	c	53	65	42	8	5	2	−	7-8	10	1500
20	Valentia Obsy.	33·4	−10	S'W	4	c	56	65	44	8	5	−	−	9+	9+	4000
	Roches Point	33·9	−4	S	1	c	52	85	48	8	5	−	−	9+	9+	2500

OBSERVATIONS at 18h. G.M.T. 3rd April — 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. 3rd (39)	Weather 13h.–18h. 3rd (40)	Weather 18h. 3rd to 1h. 4th (41)	Weather 1h.–7h. 4th (42)
London (Kew)	30·0	−4	NNE	2	2₀	61	55	45	6	8	3	9	2-3	4-6	2500	1	•	b,cwcz₀	cbcz₀y	bmm₀w	bm₀w
Croydon	30·3	−2	N'E	1	2₀	60	65	48	5	−	3	−	0	9+	−	0	•	cm₀bcz₀	bcz₀ycz₀	bm₀mm₀	bm₀wzcm₀
S. Farnborough	29·9	−2	N'E	1	2₀	61	55	46	6	4	3	−	2-3	7-8	3000	0	•	bcbbcyb	bccbcz₀y	bccz₀ybz₀m₀	bm₀w
Boscombe Down	30·3	−6	−	0	bc	59	65	45	7	5	−	1	4-6	4-6	4000	0	•	bcm₀bm₀	cybcy	bcc	bcm₀
Thorney Island	30·1	−10	−	0	2₀	59	75	52	6	4	3	1	4-6	4-6	4000	0	•	cbbc	cbcm₀	cm₀bbm₀	bm₀bcm₀w
Lympne	31·2	+6	SE'E	2	2₀	50	85	46	6	4	3	−	1	7-8	4000	0	2	bcm₀z₀	cbcz₀m₀	bccbm₀w	bm₀bw
Manston	31·0	+2	E'N	1	2₀	53	85	47	6	5	−	−	9+	9+	5000	0	•	bcz₀c	ccz₀	bm₀mbm₀	bm₀w
Shoeburyness	30·8	+2	ESE	1	2₀	52	85	47	6	5	−	−	7-8	7-8	2500	0	•	bcm₀wz₀c	cm₀bm₀	cm₀bm₀	bifw
Felixstowe	31·1	+2	NE	1	2₀	50	92	48	6	5	−	−	9	9	5700	0	1	bcz₀cz₀	cz₀cm₀	cm₀bm₀w	bm₀w
Gorleston	30·3	+8	N	2	c	51	75	44	7	7	7	−	7-8	9	2500	0	3	c	c	bz₀w	bz₀wcz₀
Mildenhall	30·4	0	ENE	2	b-bc	58	65	48	8	−	4	1	0	2-3	−	0	•	cz₀c	c	bcbbm₀	bm₀cm₀w
Cranwell	30·1	0	SSE	2	2₀	54	85	48	6	−	7	−	0	4-6	−	0	•	cm₀z₀	copr₀bcz₀	cm₀	bm₀bcbm₀
Birmingham	30·1	−4	NNW	2	2₀	57	55	41	6	−	−	−	0	0	−	1	•	0z₀b	bz	b	bcm
Upper Heyford	30·2	−2	NNW	2	2₀	58	75	48	6	4	−	−	2-3	2-3	4000	0	•	cm₀bcz₀b	bcz₀bz₀	bz₀cm₀	cm₀cm
Ross-on-Wye	30·4	0	SE	1	c-bc	60	55	45	9	5	−	−	7-8	7-8	3500	0	•	bbc	bcycy	cbm₀w	bcc
Hartland Point	31·3	−10	N	2	b	49	85	46	8	−	−	3	0	Tr	−	0	3	bbc	bcb	b	bc
Bristol	31·1	0	W	2	bc	55	85	45	7	5	4	−	2-3	4-6	4000	0	•	bm₀bbc	bcc	bczcm₀	cm₀wcm₀
Portland Bill	30·6	−4	NW	2	c	52	85	46	8	5	−	−	10	10	4000	1	3	bcbc	c	bcc	bcb
Plymouth	31·3	−6	SW	3	b-bc	54	65	44	8	7	−	1	2-3	2-3	2500	0	1	bm₀bbc	bc	bbm₀	bm₀bcm₀x
The Lizard	30·6	−6	SSE	2	2₀	57	75	47	6	4	−	−	2-3	2-3	2500	0	2	bc	bcz₀	b	bbcw
Scilly (St. Mary's)	31·0	−10	NE	2	b	55	85	50	6	5	−	−	Tr	Tr	2000	0	2	bbcb	b	bbcbw	bw
Guernsey																					
Pembroke	32·2	−6	N	2	b-bc	52	92	51	8	1	−	−	2-3	2-3	3000	0	2	bc	bc	bcbw	bbcw
Holyhead (Valley)	31·7	−8	NW'N	1	b-bc	52	65	42	8	2	6	1	Tr	2-3	2500	1	2	bccbc	bcb	bf₀m₀w	bm₀w
Chester (Sealand)	31·2	−6	WNW	1	bc	52	85	47	8	−	3	1	0	4-6	−	0	•	cm₀cbc	bcb	bccm	bcbmfF
Manchester	30·4	−2	NW	3	2₀	54	75	45	6	−	4	−	0	Tr	−	1	•	cm₀	bcm₀bz₀	bz₀cm	bFFw
Spurn Head	30·2	0	SSE	3	2₀	49	85	45	6	7	7	−	4-6	9+	4000	0	3	c	cm₀	bm₀	bcm₀
Catterick (Sc)	29·3	−2	W	1	bc	60	75	50	8	−	3	8	0	4-6	−	0	•	cbc	cbc	bbcm₀	m₀bccwb
Tynemouth	29·3	0	W	3	b-bc	58	65	44	7	−	4	−	0	2-3	−	0	3	cbc	bc	bcm₀	bbcm₀
St. Abbs Head	27·4	+4	WSW	3	c-bc	53	85	47	7	5	4	−	4-6	7-8	3500	0	2	cbc	bc	bc	c
Leuchars	26·7	−2	W	3	c	58	65	45	9	4	−	6	Tr	9	4500	0	•	c	cbcc	cbcb	bcc
Renfrew (Abbots I.)	29·1	−6	W	2	c	52	75	43	8	7	−	−	4-6	9+	1200	0	•	cm₀c	ccid₀c	ccm₀	cm₀c
Eskdalemuir	28·9	−2	WNW	2	c-bc	51	65	41	8	5	−	1	4-6	7-8	2200	0	•	cm₀bcy	bcyvc	cbc	bccm₀
Point of Ayre	31·1	−10	WNW	3	c	52	75	45	8	5	−	−	9+	9+	5000	0	4	cb	bbcc	cb	c
Tiree	29·2	−10	SW'W	4	cjp	50	85	47	9	5	−	−	9+	10	3000	0	3	cid₀c	cid₀cid₀cjp	cid₀d₀d₀	bcc
Stornoway	25·5	−10	SW	6	c/d	50	75	44	7	5	−	−	9+	9+	1200	1	3	cid₀	cid₀m₀c	c	cid₀c
Dalwhinnie	27·5	−6	W	3	c	47	85	41	8	8	−	9	4-6	9	1500	0		cbc	bcc		cbc
Aberdeen	26·1	−4	NNE	1	c	52	75	43	7	5	−	2	2-3	9	5700	0	1	cbcy	bcyc	cbccz₀	c
Wick	24·4	−6	W	3	c	52	75	45	9	5	−	−	9+	9+	3000	1	•	cy	c	c	c
Sumburgh	21·2	−4	WSW	6	c	47	97	47	7	5	−	−	10	10	600	1	3	cm₀d₀d₀c	id₀m₀c	cd₀d₀	cir₀
Blacksod Point	30·3	−14	WSW	2	c	50	75	42	8	5	−	−	10	10	4000	1	2	c	c	bc	c
Malin Head	28·9	−10	WSW	3	c	50	85	46	8	5	−	−	10	10	2500	1	2	c	c	c	c
Aldergrove	30·8	−8	WSW	1	c	53	65	40	9	5	−	−	9+	9+	3000	1	•	bc	bcycyc	c	c
Birr Castle	31·0	−10	NE	1	c	53	65	42	8	5	3	−	7-8	9+	2500	1	•	c	c		bc
Valentia Obsy.	30·4	−16	SSE	3	b-bc	55	65	43	8	1	−	1	2-3	2-3	4000	1	2	c	bc	bc	bc
Roches Point	31·3	−16	SE	2	bc	51	85	47	8	5	3	5	2-3	4-6	2500	1	2	c	c	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 4th April 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	Mainly fine, cloudier conditions later in west and north; local fog patches at night; light variable winds becoming generally moderate southerly later; rather warm.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Cloudy, slight local rain or drizzle spreading southeast, followed by bright periods and some scattered showers, fresh southwest to south winds, strong locally in north veering westerly later; rather warm becoming colder.
16 Orkneys and Shetlands	As 12–15
17 N. W. Ireland; 18 N. E. Ireland	Moderate southwest winds, cloudy, slight local rain later; rather cold.
19 S. E. Ireland; 20 S. W. Ireland	Light or moderate southerly winds; fair; rather warm.

GENERAL INFERENCE

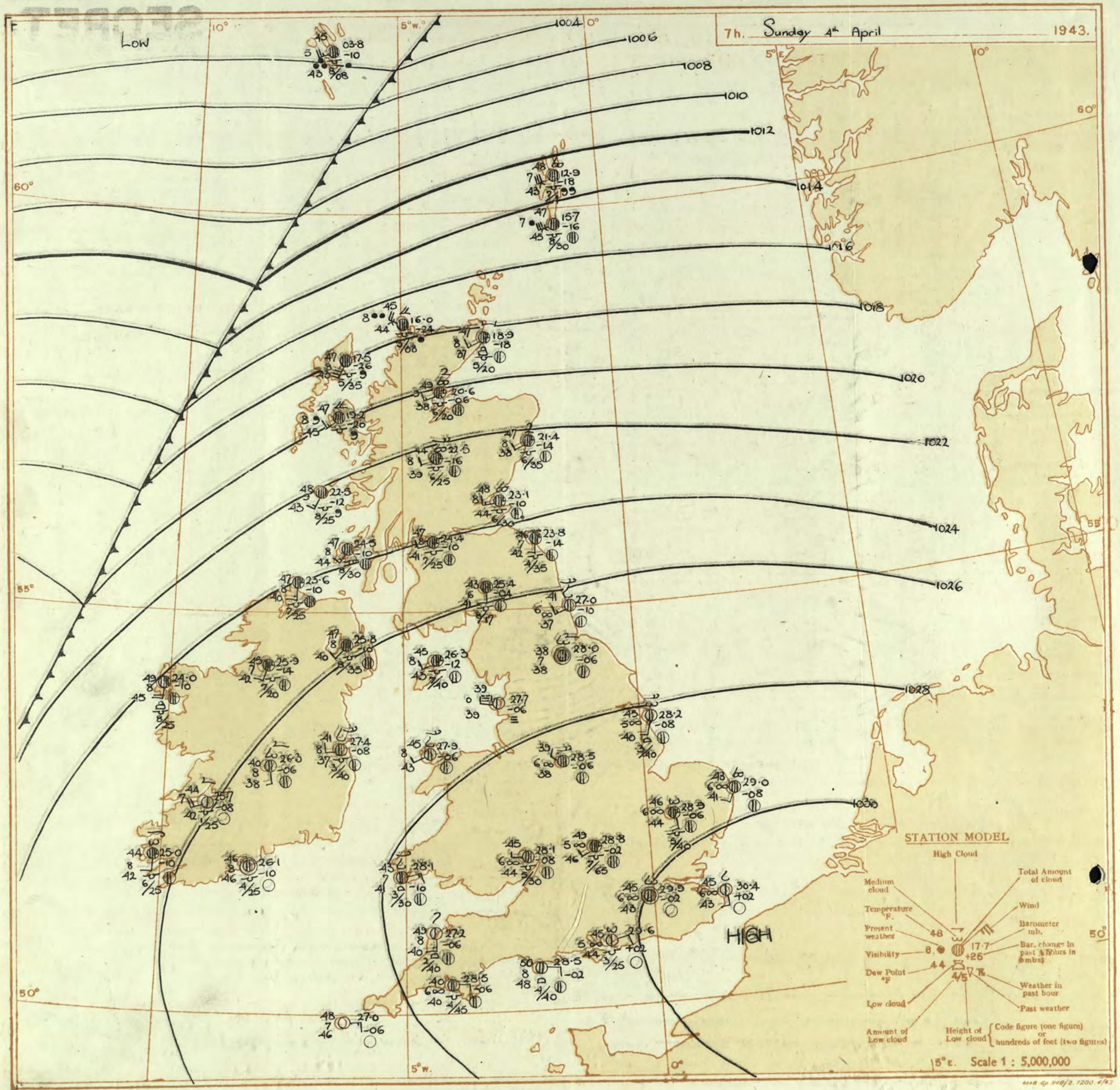
An anticyclone covering the southern half of the British Isles is receding eastwards but will maintain mainly fine, rather warm weather over England, Wales and Southeast Ireland; there will be cloudy weather in Scotland and rain will spread in from the west during the day to affect most of our northwest districts by tomorrow.

FURTHER OUTLOOK

Fair over the greater part of the British Isles.

Forecasts issued at 10·30.

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



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

4448 Gp 948/2. 7200. 4/43

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.

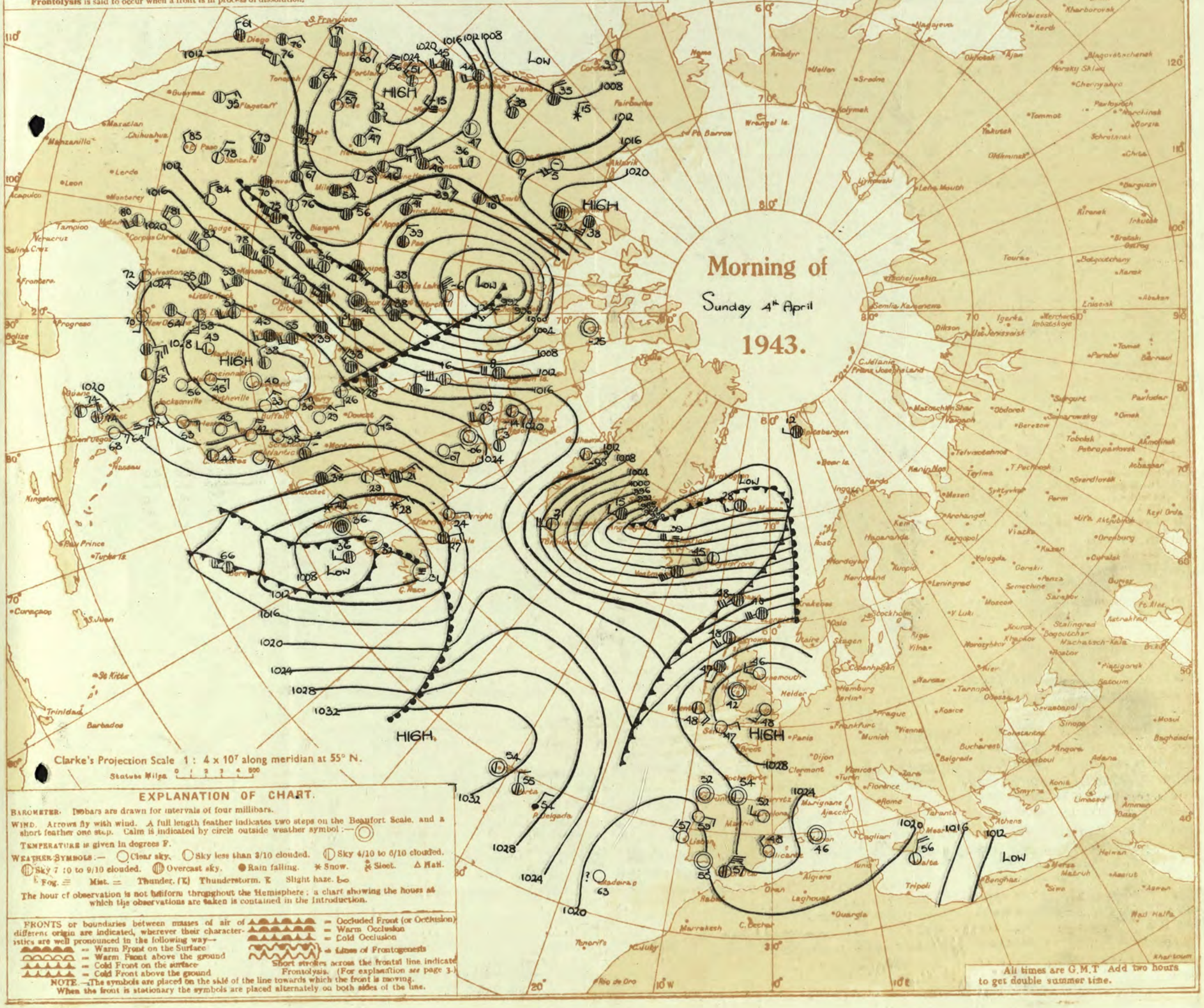
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Sunday 4th April 1943

No. 2918

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

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	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon ...	290	30·7	0	S'W	3	z_0	48	85	44	5	–	–	–	0	0	–
	S. Farnborough	226	30·5	0	S'E	3	z_0	48	85	44	6	–	–	–	0	0	–
	Boscombe Down	417	29·8	-2	—	0	z_0	48	85	45	6	5	–	–	7-8	7-8	5000
	Thorney Island	10	30·3	0	E'N	3	z_0	47	92	45	5	–	–	–	0	0	–
	Lympne ...	283	32·4	-2	SSE	1	z_0	44	97	43	6	–	–	–	0	0	–
	Manston ...	154	31·1	-2	S	2	z_0	43	97	43	5	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	31·6	+6	—	0	z_0	46	97	45	6	–	–	–	0	0	–
	Gorleston ...	5	30·3	0	SSW	1	z_0	44	92	41	6	–	–	–	0	0	–
	Mildenhall ...	15	30·4	-2	S'E	3	z_0	46	85	44	6	–	–	–	0	0	–
	Cranwell ...	203	29·6	-2	W	2	z_0	46	92	44	5	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	29·9	-2	NNE	1	z_0	49	85	46	5	5	–	–	9+	9+	3800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·1	-10	E	3	b	50	75	42	8	–	–	–	0	0	–
	Bristol ...	209	30·4	-4	—	0	z_0	43	97	43	5	5	3	6	1	4-6	4000
	Portland Bill ...	32	29·5	-2	NW	2	c-bc	51	85	47	7	5	–	–	7-8	7-8	4000
	Plymouth ...	82	30·1	-6	E	1	z_0	43	92	41	6	–	–	–	0	0	–
	The Lizard ...	240	28·9	-18	—	0	b	49	97	48	7	–	–	–	0	0	–
	Scilly (St. Mary's)	163	29·3	-8	E'N	2	b	47	97	46	6	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	29·8	-8	SE'E	1	b	46	85	41	8	–	–	–	0	0	–
7	Holyhead (Valley)	32	30·2	-6	—	0	z_0	42	97	41	5	–	–	–	0	0	–
	Chester (Sealand)	16	29·8	-8	NW	1	b-bc	46	92	44	4	5	–	–	2-3	2-3	2500
8	Manchester ...	235	29·6	-10	E	2	bf+	42	97	41	3	–	–	–	0	0	–
10	Spurn Head ...	29	29·9	-4	SSW	3	z_0	46	92	45	5	–	–	–	0	0	–
	Catterick (Sc.) ...	192	29·6	-2	—	0	z_0	39	97	38	6	–	3	5	0	2-3	–
	Tynemouth ...	108	28·4	-6	W	3	z_0	46	85	42	6	–	–	–	0	0	–
11	St. Abbs Head	280	26·4	-4	W	3	c-bc	48	85	44	7	5	–	–	7-8	7-8	4000
	Leuchars ...	36	25·6	-8	SW	2	bc	45	92	43	8	5	7	–	4-6	4-6	3000
12	Renfrew (Abbots L.)	19	27·1	-12	W	2	z_0	48	75	42	6	5	–	–	10	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	28·9	-4	W's	2	b	45	85	40	8	–	4	–	0	Tr	–
13A	Tiree ...	44	26·3	-14	SW	3	d_0d_0	48	92	45	7	5	–	–	10	10	1000
13B	Stornoway ...	15	22·8	-6	SW	5	c-bc	48	75	41	7	5	–	–	7-8	7-8	4200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	25·1	-10	W	1	c	46	92	43	8	5	7	–	7-8	10	3000
	Wick ...	114	22·6	-14	SW	3	c	47	85	42	8	5	2	–	9	10	2500
16	Sumburgh ..	19	18·7	-20	W's	6	c	47	85	45	7	5	–	–	9+	10	1500
17	Blacksod Point	18	26·9	-16	SW'W	1	b-bc	46	85	42	8	8	–	–	2-3	2-3	4000
18	Malin Head ...	84	26·8	-18	SSW	1	c	47	85	43	8	5	–	–	9+	10	2500
	Aldergrove ...	268	28·6	-10	—	0	c	46	75	39	8	5	–	–	10	10	3100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·6	-14	SE	4	b-bc	48	75	41	8	5	–	–	2-3	2-3	2500
	Roches Point	22	29·2	-10	SSE	2	bc	47	97	45	8	5	–	–	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	28·7	-4	SSW	1	z_0	44	97	43	5	5	–	–	1	1	4000	1	*
Croydon ...	29·9	-2	—	0	z_0	45	92	43	6	–	5	–	0	4-6	–	1	*
S. Farnborough	29·5	-2	S'E	2	z_0	45	92	43	5	–	–	–	0	0	–	1	*
Boscombe Down	29·3	0	SSE	2	z_0	45	97	44	6	5	–	–	Tr	Tr	5000	0	*
Thorney Island	29·6	+2	E'N	2	z_0	45	97	44	5	5	–	–	2-3	2-3	2500	1	*
Lympne ...	30·5	-2	W	1	b	44	97	43	7	–	–	1	0	Tr	—	0	*
Manston ...	30·4	+2	SSE	2	z_0	45	97	43	6	–	–	4	0	2-3	–	0	*
Shoeburyness ...	29·9	+2	SE'S	1	if	39	92	37	6	5	–	–	1	1	4000	0	*
Felixstowe ...	29·9	+6	—	0	z_0	44	97	44	5	–	–	1	0	1	–	0	0
Gorleston ...	29·0	-8	SSW	2	z_0	43	92	41	6	–	7	–	0	7-8	–	0	3
Mildenhall ...	28·9	-6	SSE	1	z_0	46	92	44	6	5	3	–	7-8	9+	4000	0	*
Cranwell ...	27·5	-14	N	1	z_0	42	92	42	6	–	3	–	0	2-3	–	0	*
Birmingham ...	28·2	-6	S	2	m	46	85	42	4	5	–	–	9+	9+	4000	1	*
Upper Heyford	28·8	-2	SW'S	2	z_0	49	85	46	5	5	–	–	9+	9+	5700	0	*
Ross-on-Wye	28·1	-8	W	1	z_0	45	97	44	6	5	–	–	7-8	7-8	3000	0	*
Hartland Point	27·2	-6	SSE	3	b-bc	49	75	40	8	1	–	4	1	2-3	3000	0	3
Bristol ...	29·1	-4	NW	1	z_0	47	92	46	5	5	–	–	10	10	4000	0	*
Portland Bill ...	28·5	-2	E	2	bc	50	92	48	8	1	–	–	4-6	4-6	4000	1	3
Plymouth ...	28·5	-6	E	1	z_0	40	97	40	6	5	–	–	4-6	4-6	4500	0	1
The Lizard ...	27·3	-10	ENE	3	b-bc	47	97	47	7	4	–	–	2-3	2-3	2700	1	2
Scilly (St. Mary's)	27·0	-6	E	3	b	48	92	46	7	–	–	–	0	0	—	0	2
Guernsey ...																	
Pembroke ...	28·1	-10	E'N	3	bc	43	92	41	7	1	4	1	2-3	4-6	3000	0	2
Holyhead (Valley)	27·9	-6	SW	1	bc	45	92	43	8	–	4	2	0	4-6	—	1	1
Chester (Sealand)	27·8	-10	—	0	b-bcf+	37	92	36	1	–	–	6	0	2-3	—	0	*
Manchester ...	28·1	-6	—	0	F	37	97	37	1	–	–	–	10	10	<150	1	*
Spurn Head ...	28·2	-8	S'W	2	z_0	45	85	40	5	1	3	2	2-3	4-6	4000	0	3
Catterick (Sc.) ...	28·0	-6	—	0	c-bc	38	97	38	7	–	5	5	0	7-8	—	0	*
Tynemouth ...	27·0	-10	SW	3	z_0	41	85	37	6	–	4	2	0	4-6	—	0	2
St. Abbs Head	23·8	-14	SSW	2	c	46	85	42	7	5	–	–	4-6	9+	3500	0	3
Leuchars ...	23·1	-10	WSW	3	c	48	85	44	8	5	7	–	9	9+	3000	0	*
Renfrew (Abbots L.)	24·4	-10	SW'S	2	c	47	75	41	8	5	–	–	9+	9+	2500	0	*
Eskdalemuir ...	25·4	-4	S'W	2	c	43	92	41	6	5	–	–	10	10	1700	0	*
Point of Ayre ...	26·3	-12	SW	2	c	45	85	43	8	5	–	–	9+	9+	4000	0	2
Tiree ...	22·5	-12	SSW	3	c	48	85	43	9	5	–	–	10	10	2500	0	3
Stornoway ...	17·5	-26	SSW	6	c	47	85	43	8	5	–	–	7-8	10	3500	1	4
Dalwhinnie ...	22·5	-16	SW	2	c	44	75	39	8	5	7	2	9	9+	2500	0	*
Aberdeen † ...	21·4	-14	SW'W	2	c	47	65	38	8	5	–	6	9	9+	3500	0	1
Wick ...	18·9	-18	SW	3	c	47	75	37	8	8	–	7	7-8	9+	2000	1	*
Sumburgh ..	15·7	-16	SW'W	7	ir_0	47	92	45	7	5	–	–	10	10	3000	1	4
Blacksod Point	24·0	-10	S'W	4	c	49	85	45	8	8	–	–	10	10	2500	1	3
Malin Head ...	23·6	-10	S	3	c	47	75	40	8	5	–	–	9+	9+	2500	1	2
Aldergrove ...	25·8	-10	SSW	1	c	47	75	40	8	5	–	–	10	10	3500	1	*
Birr Castle ...	26·3	-6	SSE	1	bc	46	92	38	8	–	–	5	0	4-6	—	1	*
Valentia Obsy.	25·0	-10	S	2	c	44	92	42	8	5	3	1	9	9+	2500	1	2
Roches Point	26·1	-10	—	0	bc	46	97	45	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 3rd Hrs. (38)
London (Kew)	62	41	28	Tr	Tr	6·2
Croydon ...	63	43	34	–	Tr	6·3
S. Farnborough	64	44	31	–	Tr	7·6
Boscombe Down	63	42	36	–	–	8·4
Thorney Island	65	43	37	–	–	*
Lympne ...	59	39	31	–	–	6·4
Manston ...	59	42	37	–	–	7·4
Shoeburyness ...	61	37	32	–	–	5·7
Felixstowe ...	60	39	32	–	–	4·[illegible]
Gorleston ...	56	43	37	–	–	2·3
Mildenhall ...	61	42	35	Tr	Tr	3·2
Cranwell ...	62	54	30	Tr	–	1·4
Birmingham ...	59	44	30	–	–	8·9
Upper Heyford	61	48	44	–	–	*
Ross-on-Wye	63	44	36	–	–	8·3
Hartland Point	53	46	43	–	–	10·7
Bristol ...	63	41	34	–	–	6·5
Portland Bill ...	55	48	*	–	–	*
Plymouth ...	63	39	29	–	–	10·0
The Lizard ...	61	45	*	–	–	11·5
Scilly (St. Mary's)	64	46	*	Tr	–	10·7
Guernsey ...						
Pembroke ...	54	42		–	–	10·4
Holyhead (Valley)	57	37	30	–	–	*
Chester (Sealand)	56	37	27	–	–	7·9
Manchester ...	58	37	29	–	–	*
Spurn Head ...	60	43	*	–	–	2·9
Catterick (Sc.) ...	62	35	30	–	–	6·4
Tynemouth ...	61	41	37	–	–	*
St. Abbs Head	57	44	*	–	–	9·9
Leuchars ...	62	43	32	–	–	0·8
Renfrew (Abbots L.)	55	46	45	Tr	–	9·3
Eskdalemuir ...	58	38	31	–	–	7·7
Point of Ayre ...	57	43	*	–	–	4·2
Tiree ...	54	46	46	Tr	Tr	0·7
Stornoway ...	53	46	44	0·1	Tr	3·4
Dalwhinnie ...	54	43	39	–	–	7·6
Aberdeen † ...	62	41	31	–	–	*
Wick ...	54	46	41	0·3	–	*
Sumburgh ..	48	46	43	0·1	0·1	0·1
Blacksod Point	52	45	*	–	–	*
Malin Head ...	54	45		–	–	0·5
Aldergrove ...	57	45	43	–	–	5·6
Birr Castle ...	53	37	29	–	–	0·0
Valentia Obsy.	58	43	35	–	Tr	2·5
Roches Point	55	43	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 3rd April				18h. G.M.T.				01h. G.M.T. 4th April				07h. G.M.T.			
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
109	57	02755	56755	57	02745	55626		5-	02666	54558		51	02764	54526	
115	52	62625	53568	--	67109	53569		52	02735	53368		52	62835	03568	
203															
208	53	02864	245-5	5-	02964	22326		5-	02858	22468		77	21964	26257	
210	53	02864	22525	54	02963	23425		5-	02868	20228		5-	02966	20327	
219	5-	51748	21358	5-	02758	19458		5-	02767	19558		52	51857	18553	
230	5-	51857	20257	5-	02847	20258		5-	02858	18228		5-	02856	20226	
245	70	01861	22514	70	02961	22316		00	01890	25111		5-	02967	22327	
260	74	01754	24426	5-	02765	20425		5-	05668	20328		5-	02757	20327	
278	70	01864	28314	5-	02967	30227		5-	02857	20227		5-	02967	18127	
279	73	02765	21225	53	02964	20425		5-	02866	21226		5-	02767	20327	
285	13	01852	28513	13	01853	28414									
288	1-	01764	26224	50	01661	00013		00	05690	20214		53	01763	22114	
575	5-	02856	30128	5-	02868	00028		50	01744	00024		5-	02757	18217	
301	00	01790	23322	00	02790	27215		00	05590	10100		5-	43053	08143	
321	76	05654	26325	83	05664	28324		00	05590	24100		00	47290	16140	
2.9	54	01754	30315	50	05655	08115		00	05690	20200		04	05690	22102	
292	13	01863	30114	26	01852	25124		00	05690	00010		05	05590	16128	
310															
614	13	05561	26124	53	17465	24127		04	08490	28103		50	47372	00025	

13h. G.M.T. 3rd April				18h. G.M.T.				01h. G.M.T. 4th April				07h. G.M.T.			
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
333	10	01842	28213	40	01842	30314		00	47290	00000		00	47290	00048	
334	--	01753	28214												
340	14	01751	30313	04	05690	30212		00	08490	00000		00	45190	16140	
136	5-	05677	30227	40	01763	12124		5-	05577	17317		5-	05567	20227	
336	13	01763	28314												
350	7-	02756	02316	46	05674	06126		00	08490	16100		57	05674	20227	
368	70	01664	26314	53	02654	24216		00	05690	00000		5-	05576	08116	
379	13	01752	30413	40	05663	30313		5-	05568	00018		5-	05567	18127	
390	17	05664	30225	53	05676	02127		00	47390	00020		03	08490	16215	
382	2-	01754	32424	06	05690	00011						03	05690	13127	
438	87	02655	20216	00	05690	16210		00	00690	17200		00	05690	16210	
430	10	01754	30214	54	05655	20116									
409	13	01752	31213	40	01761	03212		00	05590	08300		04	01890	12201	

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th April

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 ...	b, cwcz$_0$	cbcz$_0$y	bm$_0$w	Kew 24 hours ended Max. [illegible] 0·4 20–21h on 3rd Min. Time <0·1 0–6h on 4th
Croydon ...	cm$_0$bcz$_0$	bcz$_0$ycz$_0$	bm$_0$wzcm$_0$	
Greenwich ...	cbc	bccy	cbw	
Camden Square	c	c	*	
Kensington ...	bc	bcw	*	
Hampstead ...				

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Today	Humidity 9h % Today
Kew ...	62	41	28	Tr	Tr	6·2	*	*
Croydon ...	63		34	–	Tr	6·3	*	*
Greenwich ...	64	41	28	–	–	5·5	54	69
Westminster ..	66	44	37	–			53	70
Regents Park ...								
Camden Square	65	43	36	–	–	*	*	71
Kensington ...	65	43	37	–	–		81	70
Hampstead ...							*	

SECRET

Page 1

BRITISH SECTION

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

Monday 5th April 1943.

No. 29719

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	27.0	-20	SW'S	3	c-bc	57	65	46	8	8	3	-	7-8	7-8	4000
	Croydon	27.5	-18	SSW	2	c	59	65	47	8	2	-	-	9	9	2500
	S. Farnborough	27.0	-18	SSW	4	c	60	65	46	8	1	-	-	9	9	2000
	Boscombe Down	26.5	-20	SSW	4	bc	61	45	42	8	1	-	-	4-6	4-6	3000
	Thorney Island	27.8	-16	S'E	3	b	57	65	47	8	1	-	-	Tr	Tr	4000
	Lympne	28.3	-18	SSE	2	b-bc	55	75	46	7	1	-	3	2-3	2-3	3000
	Manston	28.0	-6	SE'S	3	b-bc	56	75	48	8	1	-	-	2-3	2-3	3000
2	Shoeburyness	27.9	-14	SE	1	zo	55	75	49	6	2	-	-	4-6	4-6	5700
	Felixstowe	28.0	-14	SE'S	4	if	49	92	46	3	5	-	-	9	9	4150
	Gorleston	26.2	-22	SE'S	5	zo	47	85	43	6	8	-	-	7-8	7-8	2500
	Mildenhall	26.1	-10	SW	4	zo	63	55	47	6	2	-	-	4-6	4-6	2500
	Cranwell	24.9	-24	WSW	3	zo	62	55	45	6	-	-	-	0	0	-
3	Birmingham	24.3	-12	WSW	3	b-bc	61	45	41	8	1	-	-	2-3	2-3	4000
	Upper Heyford	26.5	-16	SW	3	c	59	55	45	7	4	-	-	9+	9+	4000
4	Ross-on-Wye	25.5	-20	W	3	b-bc	62	55	43	7	1	-	-	2-3	2-3	3000
5	Hartland Point	25.7	-14	NE	2	bc	54	65	44	8	1	-	-	4-6	4-6	4000
	Bristol	26.3	-20	SW	2	bc	62	65	48	8	1	-	-	4-6	4-6	4000
	Portland Bill	27.3	-14	E	2	bc	53	92	51	8	2	-	-	4-6	4-6	4000
	Plymouth	26.9	-14	SSW	2	b	59	55	45	8	1	-	-	Tr	Tr	2500
	The Lizard	26.1	-8	NE	3	b	56	65	46	8	-	-	-	0	0	-
	Scilly (St. Mary's)	25.7	-12	SE'E	3	b	58	75	49	7	-	-	-	0	0	-
	Guernsey															
6	Pembroke	26.5	-6	-	0	b	54	85	48	7	-	-	-	0	0	-
7	Holyhead (Valley)	26.0	-14	SSW	3	b-bc	53	65	42	8	1	-	5	Tr	2-3	4500
	Chester (Sealand)	25.3	-16	NW'W	1	b-bc	59	55	44	8	1	-	-	2-3	2-3	2500
8	Manchester	25.2	-18	W'S	3	c-bc	59	55	43	7	1	-	-	7-8	7-8	4000
10	Spurn Head	25.1	-22	SW	4	zo	61	45	40	6	1	3	-	2-3	4-6	4000
	Catterick (Sc)	24.1	-14	WSW	4	zo	45	75	38	6	8	-	-	4-6	4-6	3500
	Tynemouth	24.2	-12	W	3	bc	55	55	39	7	2	-	-	4-6	4-6	2400
11	St. Abbs Head	21.3	-12	W	4	bc	53	65	42	8	5	4	-	4-6	4-6	3000
	Leuchars	18.8	-26	WSW	5	c-bc	57	75	47	7	7	7	-	4-6	7-8	3000
12	Renfrew (Abbots I.)	21.3	-18	SW	4	c	54	65	42	8	8	-	5	4-6	9	1800
	Eskdalemuir	22.8	-14	SW'W	5	c	49	65	37	8	5	-	-	9+	9+	1900
	Point of Ayre	24.6	-12	W'N	4	bc	58	55	42	8	1	-	2	Tr	4-6	3000
13A	Tiree	19.8	-14	SW	5	c	51	85	45	8	5	-	-	10	10	4000
13B	Stornoway	14.1	-16	SW	7	pr	50	85	47	8	5	-	-	10	10	2200
15	Dalwhinnie	18.0	-12	WSW	4	c	46	75	37	8	5	-	2	9	9+	2500
	Aberdeen	17.5	-22	WSW	3	c	57	45	34	8	5	5	9	1	9+	5000
	Wick	19.7	-34	WSW	5	c	53	65	43	9	5	3	6	4-6	9+	3000
16	Sumburgh	10.8	-26	SW'W	8	c	48	92	46	7	5	7	-	7-8	9+	3000
17	Blacksod Point	22.1	-16	SSW	4	c	52	85	47	8	5	-	-	9+	9+	1500
18	Malin Head	21.1	-14	SW'W	4	c	53	75	45	8	5	-	-	9+	9+	2500
	Aldergrove	23.2	-20	SW	3	c-bc	59	55	42	8	5	-	5	4-6	7-8	3500
19	Birr Castle	24.1	-14	SSE	2	bc	59	55	43	8	4	-	-	4-6	4-6	1500
20	Valentia Obsy.	24.6	-6	S'W	4	bc	57	75	49	8	7	-	-	4-6	4-6	2500
	Roches Point	25.2	-6	S	2	b-bc	55	85	50	8	2	-	-	2-3	2-3	2500

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

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)	24.6	-8	SW	2	bc	56	65	45	8	5	-	-	4-6	4-6	4000	1	*
Croydon	25.3	-6	SW'S	2	b	58	65	46	6	4	-	-	1	1	3000	0	*
S. Farnborough	24.9	-6	SW'W	3	b	58	65	46	8	1	-	-	Tr	Tr	4000	0	*
Boscombe Down	24.7	-14	SSW	3	b	56	65	45	8	4	-	-	1	1	5700	0	*
Thorney Island	25.5	-12	SE'S	2	b	52	75	45	8	-	-	-	0	0	-	0	*
Lympne	25.7	-10	S	1	b	53	75	46	7	-	-	-	0	0	-	0	§1
Manston	25.5	-10	SE'S	2	b	51	85	46	7	-	-	-	0	0	-	0	*
Shoeburyness	25.1	-10	SSE	1	b	55	75	49	8	-	-	-	0	0	-	0	*
Felixstowe	25.4	-10	SSE	3	b	50	85	47	7	5	-	-	Tr	Tr	5700	0	3
Gorleston	24.5	-12	S	4	bc	55	75	47	7	5	3	-	2-3	4-6	2500	0	3
Mildenhall	23.8	-10	SW	3	bc	60	55	44	8	5	-	-	4-6	4-6	6000	0	*
Cranwell	22.7	-26	WSW	2	zo	58	65	45	6	-	-	-	0	0	-	0	*
Birmingham	22.9	-12	SW	2	b	61	45	41	8	1	-	-	Tr	Tr	4000	1	*
Upper Heyford	24.3	-6	SSW	2	b-bc	59	55	44	7	4	-	-	2-3	2-3	4000	0	*
Ross-on-Wye	23.5	-10	SW'W	2	b	61	55	43	7	5	-	-	Tr	Tr	3000	0	*
Hartland Point	24.1	-6	NE	2	bc	53	75	43	8	4	-	-	4-6	4-6	5600	0	2
Bristol	23.2	-20	-	0	b-bc	60	65	48	8	4	-	-	2-3	2-3	4000	0	*
Portland Bill	25.1	-6	E	2	bc	50	92	48	8	5	-	-	4-6	4-6	4000	1	3
Plymouth	25.0	-6	SSW	2	b	54	75	45	7	-	4	-	0	Tr	-	0	1
The Lizard	23.9	-8	E	3	bc	53	85	50	8	7	-	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	24.3	-8	E	1	b	56	85	50	7	1	-	-	Tr	Tr	2500	0	2
Guernsey																	
Pembroke	24.4	-10	-	0	b	52	75	46	7	-	4	-	0	1	-	0	2
Holyhead (Valley)	23.3	-16	SW'S	3	b	51	85	44	8	-	-	5	0	1	-	1	2
Chester (Sealand)	22.4	-14	NNW	1	b-bc	58	65	45	8	-	-	9	0	2-3	-	0	*
Manchester	22.5	-14	WNW	2	zo	55	65	44	6	-	-	1	0	1	-	0	*
Spurn Head	22.6	-6	NW'W	3	b	52	75	44	6	-	-	-	0	0	-	0	3
Catterick (Sc)	22.5	-8	SSE	1	c-bc	54	75	46	8	4	3	2	4-6	7-8	2500	0	*
Tynemouth	21.8	0	W	4	bc	54	55	38	8	2	-	-	4-6	4-6	2400	0	3
St. Abbs Head	18.1	0	W	3	c-bc	52	75	42	8	1	7	-	4-6	7-8	2500	0	3
Leuchars	17.0	-12	WSW	4	c	53	85	50	8	5	3	7	4-6	10	4500	0	*
Renfrew (Abbots I.)	18.8	-14	SW'W	4	c	51	75	45	8	5	3	8	7-8	9	2500	0	*
Eskdalemuir	20.5	-4	SW	4	c	48	75	40	8	5	3	1	7-8	9	1900	0	*
Point of Ayre	21.3	-12	W	3	c	55	65	45	8	5	-	-	9+	9+	5000	0	2
Tiree	17.6	-14	SW	5	c	49	92	47	7	5	-	-	10	10	2500	0	5
Stornoway	11.5	-10	SW	7	c/pr	50	92	48	6	5	3	-	7-8	9	2200	1	5
Dalwhinnie	16.5	-8	SW	4	iro	45	85	39	8	5	-	-	9	9	2500	1	*
Aberdeen	15.1	-18	W'S	3	bc	54	45	35	8	5	-	9	2-3	4-6	5000	0	2
Wick	11.4	-22	SW	4	bc	52	65	41	9	4	-	-	4-6	4-6	2500	0	*
Sumburgh	06.8	-22	SW	8	zo	47	97	47	6	5	7	-	9	10	1000	1	5
Blacksod Point	20.5	-10	SW'W	4	c	51	85	47	8	8	-	-	9+	9+	1500	0	3
Malin Head	19.0	-12	W'N	4	c	50	85	46	8	5	-	-	10	10	2500	1	3
Aldergrove	20.7	-12	WSW	2	c	53	65	42	8	5	-	-	7-8	9+	3000	0	*
Birr Castle	21.8	-18	S	1	bc	58	92	56	8	5	-	8	4-6	4-6	2500	1	*
Valentia Obsy.	22.5	-10	S	4	c-bc	53	75	45	8	-	-	2	Tr	7-8	2500	1	3
Roches Point	23.2	-12	S	3	b	53	92	51	8	-	-	5	0	1	-	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 4th (39)	13h.–18h. 4th (40)	18h. 4th to 1h. 5th (41)	1h.–7h. 5th (42)
London (Kew)	cm.z.wc	cbc	bcbmoW	bmoW
Croydon	bcm.bce	cbcb	bbczm.	bmoW
S. Farnborough	bmowb, cbcc	cbcbyb	bbmo	bmowxm
Boscombe Down	bm.bcz.bcy	bcyb	bbm.bf	of bf
Thorney Island	cbcb	bcb	bmo	bmofw
Lympne	bbc	bcb	bmoW	bmowjf
Manston	bcif	b	bmo	bcbmo
Shoeburyness	bcz.	bcb	b	bmoW
Felixstowe	bcm.bfcif	cifbz.b	bbmoW	bmowbm
Gorleston	cz.	cbc	bc bz.	bzowbcz.
Mildenhall	cm.bczoy	bczycybcy	bcybm.b	bbcmoW
Cranwell	b,c,bcmbzo	b,czoybybzo	bz.bm.b,	bcmo
Birmingham	cb	bbcy	b	bbc
Upper Heyford	cm.bz.bc	cybcy	bzomoW	bm
Ross-on-Wye	czbbcy	bcyby	bbW	bW
Hartland Point	bbc	bbccbc	bcb	b
Bristol	cm.,b,bc	bcbcybc	b	bbWfgmo
Portland Bill	bc	bc	bc	bc
Plymouth	bcm.bz.b	byb	bmo	bmoxW
The Lizard	bcb	bbc	b	bbcW
Scilly (St. Mary's)	b	b	b	bbcW
Guernsey				
Pembroke	bcbz.	bz.	bbcmoW	bcmoW
Holyhead (Valley)	bcb	b	bcbW	bccWmo
Chester (Sealand)	bcFmzo	bcby	b	bbcmo
Manchester	bFFzoy	cybcz.	bzomo	bbcmo
Spurn Head	bcm.	bmo	bmo	bc
Catterick (Sc)	ccz.	czobcc	bc	bcbbc
Tynemouth	bccm.bc	bc	c	cbcc
St. Abbs Head	cbc	bc	cbc	bcc
Leuchars	cyc	c	c	c
Renfrew (Abbots I.)	c	c	cid.c	c
Eskdalemuir	cm.c	bcyc	bc	c
Point of Ayre	cy	bcc	b	bbcc
Tiree	c	c	c	ccid
Stornoway	ccir.c	cprcm.	cpr.cid.m.	ccd,d,r,m
Dalwhinnie	c	ciro		ciro
Aberdeen	c ⊕	cybcy	bcyb	bcc
Wick	c	cbc	bcc	cid.c
Sumburgh	ir.c	r.cm.	cm.r.r.m.	cr.r.m.
Blacksod Point	c	c	c	c
Malin Head	c	c	c	r
Aldergrove	ccy	cyc	bcb	bbcc
Birr Castle	bc	bc		c
Valentia Obsy.	bc	bc	bc	bc
Roches Point	c	bc	f	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 5th April

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England	Moderate to fresh west-southwest winds, veering a little late in period; fine to-day; cloudy to-morrow with local rain; rather warm today; rather cold tomorrow.
6 South Wales; 7 North Wales	Fresh to strong west-southwest winds, veering a little and moderating; partly cloudy at first, local rain later: rather cold.
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 ▼	Strong to gale west-southwest winds, veering a little and moderating slowly later; cloudy with rain spreading southeast, followed by showers: fine to-night to lee of high ground: rather cold.
16 Orkneys and Shetlands ▼; 17 N.W. Ireland ▼; 18 N.E. Ireland ▼	As 8-15.
19 S.E. Ireland; 20 S.W. Ireland	Moderate to fresh westerly winds; cloudy; local rain later: rather cold.

GENERAL INFERENCE

Pressure is high to the south of the British Isles; a deep depression north of the Faeroes is moving east and a trough of low pressure will most southeast across the British Isles. There will be rain in most districts, followed by showers in the North and Northwest. Gales will be widespread in northern and central areas.

FURTHER OUTLOOK

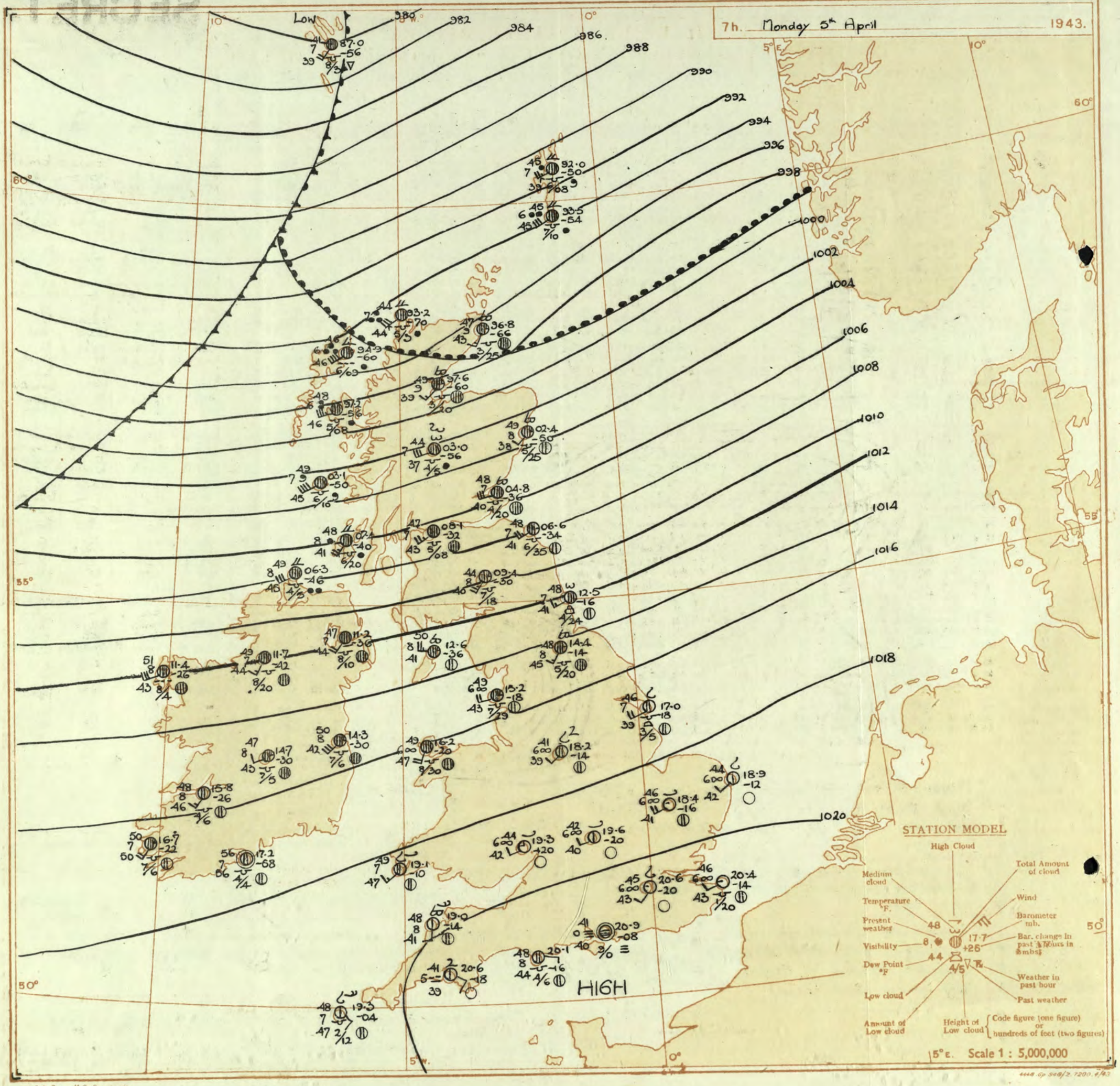
Rain spreading east across the British Isles, but amounts small in the South.

▼ Gale warning in operation in districts 11, 13A, 13B, 15, 16 & 18 (part of) issued 1350 GMT. 4.4.43
 " " " " " " 8, 10, 12, 17 & 18 (part of) " 0830 " 5.4.43.

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).

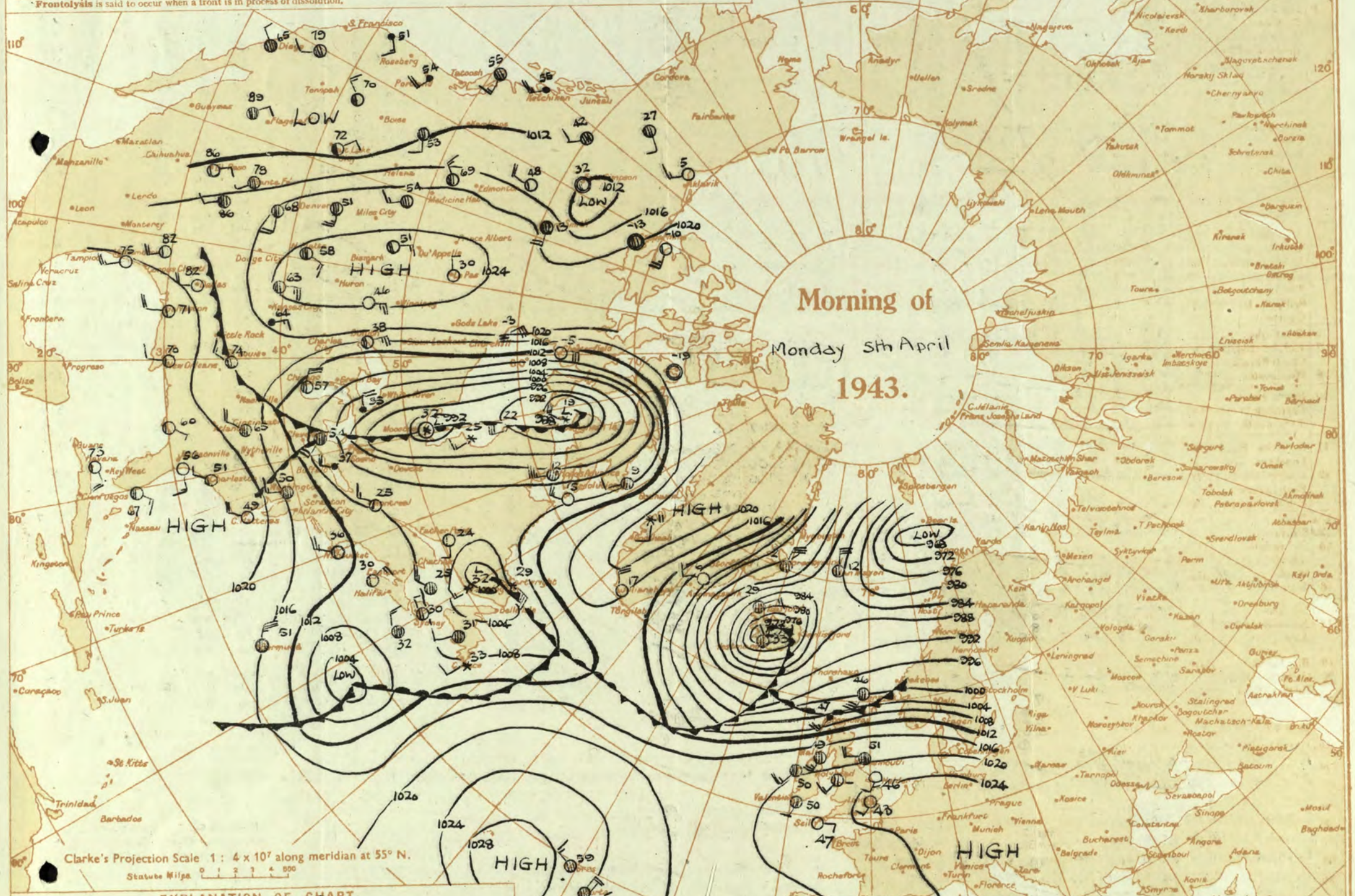
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (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 two hours to get double summer time.

BRITISH SECTION

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

Monday 5th April 1943

No. 29719

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

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	24·0	−6	SSW	2	zo	43	92	41	5	–	–	–	0	0	–
	S. Farnborough	226	23·5	−8	S	1	b	41	92	40	5	5	–	–	Tr	Tr	3000
	Boscombe Down	417	23·9	−6	SSE	1	bf+	39	97	39	3	–	–	–	0	0	–
	Thorney Island	10	23·6	−10	N'E	1	zo	40	97	39	5	–	–	–	0	0	–
	Lympne ..	283	24·1	−8	W	1	zo	41	97	41	6	–	–	–	0	0	–
	Manston ...	154	23·4	−10	S'W	2	zo	43	97	42	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·4	−10	–	0	zo	47	92	46	6	–	–	–	0	0	–
	Gorleston ...	5	22·5	−10	WSW	2	zo	47	85	42	6	–	–	–	0	0	–
	Mildenhall ...	15	22·3	−10	SW'S	3	b	47	85	43	7	–	–	–	0	0	–
	Cranwell ...	203	21·4	−6	W	3	zo	45	92	43	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·3	−2	SW'S	1	zo	43	92	41	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·0	−6	SE'S	1	b	49	85	45	8	–	–	–	0	0	–
	Bristol ...	209	23·3	−6	SSW	3	b	49	75	42	7	–	–	–	0	0	–
	Portland Bill ...	32	23·6	−4	E	2	b-bc	48	92	46	8	5	–	–	2-3	2-3	4000
	Plymouth ...	82	24·2	−6	E'N	1	zo	42	97	41	6	–	–	–	0	0	–
	The Lizard ...	240	23·4	−2	ENE	3	b	48	97	47	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	23·3	−2	E	2	b	47	97	46	6	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	22·3	−6	SW	1	b-bc	49	97	47	6	–	4	–	0	2-3	–
7	Holyhead (Valley)	32	20·9	−14	SSW	3	bc	48	92	46	7	–	4	–	0	4-6	–
	Chester (Sealand)	16	21·1	−16	W	1	b	48	75	39	7	5	–	–	Tr	Tr	3500
8	Manchester ...	235	21·4	−10	S'E	3	zo	45	85	40	5	–	–	–	0	0	–
10	Spurn Head ...	29	21·4	−14	S'W	2	zo	46	85	43	5	–	–	–	0	0	–
	Catterick (Sc.) ...	192	19·6	−14	S	1	b-bc	47	85	43	7	–	7	–	0	2-3	–
	Tynemouth ...	108	18·7	−20	W	4	c-bc	51	75	42	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	14·9	−6	SSW	2	b-bc	46	97	45	7	5	–	–	2-3	2-3	2500
	Leuchars ...	36	12·8	−30	SW	4	c-bc	48	75	41	7	5	–	8	7-8	7-8	3900
12	Renfrew (Abbots L.)	19	14·7	−26	SW'W	1	c/d	49	85	44	7	5	–	–	9	9	2200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·8	−16	W'S	3	b	47	85	43	8	–	–	–	0	0	–
13A	Tiree	44	12·4	−30	SW	7	c	49	85	47	7	5	–	–	10	10	2500
13B	Stornoway ...	15	06·0	−32	SW	5	id	47	97	46	6	5	–	–	10	10	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·9	−30	SW	3	bc	47	75	40	9	5	–	–	4-6	4-6	4500
	Wick ...	114	07·5	−28	SSW	4	c	46	75	39	8	5	1	–	4-6	10	3000
16	Sumburgh ..	19	03·6	−22	WS	6	zo	46	97	46	6	5	–	–	10	10	1000
17	Blacksod Point	18	16·8	−30	SW	5	c-bc	50	85	46	7	8	–	–	7-8	7-8	1500
18	Malin Head ...	84	14·5	−30	SW	5	c-bc	49	75	41	8	5	–	–	7-8	7-8	2500
	Aldergrove ...	268	18·2	−18	SW	3	b	45	92	42	8	5	–	–	1	1	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·0	−14	SSW	2	c	50	92	48	8	5	–	–	9	9	2500
	Roches Point	22	21·9	−12	S	1	f	48	85	34	2	–	–	–	10	10	<150

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

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)	20·4	−12	SW	2	zo	45	92	43	5	–	–	–	0	0	–	1	*
	Croydon ...	20·6	−20	SSW	2	zo	45	92	43	6	–	4	–	0	Tr	–	0	*
	S. Farnborough	20·5	−14	–	0	m	37	92	34	4	–	–	–	0	0	–	0	*
	Boscombe Down	21·3	−8	N	1	bf	39	97	38	2	–	–	–	0	0	–	0	*
	Thorney Island	20·9	−8	–	0	F	41	97	40	0	–	–	–	10	10	<150	1	*
	Lympne ..	20·6	−18	SSW	2	zo	45	97	45	6	–	–	–	0	0	–	0	2
	Manston ...	20·4	−14	SW'N	2	zo	46	85	43	6	5	–	–	Tr	Tr	2000	0	*
2	Shoeburyness ...	20·4	−16	WSW	1	zo	45	85	42	5	–	–	–	0	0	–	1	*
	Felixstowe ...	19·6	−18	WSW	1	m	44	92	43	4	–	–	–	0	0	–	0	1
	Gorleston ...	18·9	−12	SW	2	zo	44	92	42	6	–	4	–	0	2-3	–	0	2
	Mildenhall ...	18·4	−16	SW	4	zo	46	85	41	6	–	–	1	0	Tr	–	0	*
	Cranwell ...	17·3	−16	SW	3	zo	45	92	43	6	–	–	2	0	4-6	–	0	*
3	Birmingham ...	18·6	−8	SW	3	zo	44	85	40	6	–	–	6	0	2-3	–	1	*
	Upper Heyford	19·6	−20	SW'W	2	zo	42	97	40	6	–	–	1	0	2-3	–	0	*
4	Ross-on-Wye	19·3	−14	SW	2	zo	44	92	42	6	–	–	1	0	1	–	0	*
5	Hartland Point	19·0	−14	S	2	b-bc	48	75	41	8	–	–	2	0	2-3	–	0	2
	Bristol ...	20·8	−10	NE	1	b	46	85	42	7	–	–	1	0	Tr	–	0	*
	Portland Bill ...	20·1	−16	E	1	bc	48	85	44	8	5	–	–	4-6	4-6	4000	1	3
	Plymouth ...	20·6	−18	ESE	2	b-bcfg	41	92	39	5	–	–	5	0	2-3	–	0	1
	The Lizard ...	19·5	−16	ENE	3	b-bc	48	97	48	8	4	4	–	2-3	2-3	2500	1	3
	Scilly (St. Mary's)	19·3	−4	SEE	2	b-bc	48	97	47	7	5	4	2	1	2-3	1200	0	2
	Guernsey ...																	
6	Pembroke ...	19·1	−10	SW	3	bc	49	92	47	7	–	4	1	0	4-6	–	0	2
7	Holyhead (Valley)	16·2	−20	SSW	4	zo	49	92	47	6	5	–	–	10	10	3000	1	3
	Chester (Sealand)	16·8	−16	W'S	2	bc	48	85	43	6	5	4	–	4-6	4-6	3000	0	*
8	Manchester ...	16·6	−18	S	4	zo	43	85	39	6	5	–	–	9+	9+	3000	0	*
10	Spurn Head ...	17·0	−18	SW'W	4	bc	46	75	39	7	7	4	–	2-3	4-6	2500	0	3
	Catterick (Sc.) ...	14·4	−14	SSW	3	c	48	85	45	8	5	7	–	7-8	9	2000	0	*
	Tynemouth ...	12·5	−16	SW	3	c-bc	48	75	41	7	2	3	–	4-6	7-8	2400	0	2
11	St. Abbs Head	06·6	−34	SW	5	c	48	75	41	7	5	–	–	9	9	3500	0	4
	Leuchars ...	04·8	−36	WSW	6	c	48	75	40	7	5	7	–	4-6	10	2000	0	*
12	Renfrew (Abbots L.)	08·1	−32	SW	5	c	47	85	43	7	5	–	–	7-8	10	800	0	*
	Eskdalemuir ...	09·4	−30	SW'S	5	c	44	85	40	8	5	–	–	9+	9+	1800	0	*
	Point of Ayre ...	12·6	−36	W	5	c	50	75	41	8	–	7	–	0	9+	–	0	3
13A	Tiree	03·1	−50	SW'S	8	id.	49	85	45	7	5	–	–	9	10	1000	0	6
13B	Stornoway ...	94·3	−60	SW	8	rv	46	97	46	6	6	2	–	9	10	800	1	5
15	Dalwhinnie ...	03·0	−56	WSW	6	c	44	75	37	7	5	3	9	4-6	10	2500	0	*
	Aberdeen † ...	02·4	−50	SSW	2	c	49	65	38	8	5	7	–	7-8	9+	2500	0	2
	Wick ...	96·8	−66	SSW	3	c	47	85	43	9	5	7	–	2-3	9+	2500	0	*
16	Sumburgh ..	93·5	−54	SWS	6	r.r.	45	97	45	6	5	2	–	9+	10	1000	1	4
17	Blacksod Point	11·4	−26	SW'W	6	c	51	75	43	8	6	–	–	10	10	1500	0	4
18	Malin Head ...	06·3	−46	SW'S	6	c/r	49	85	45	8	5	2	–	4-6	10	2500	1	4
	Aldergrove ...	11·2	−36	SSW	4	c	47	85	44	7	5	–	–	10	10	1500	1	*
19	Birr Castle ...	14·7	−30	WSW	2	c	47	85	43	8	5	–	–	9+	9+	2500	1	*
20	Valentia Obsy.	16·7	−22	SSW	4	c	50	97	50	7	5	–	–	9+	9+	4000	1	3
	Roches Point	17·2	−58	–	0	bc	56	97	56	7	5	–	–	4-6	4-6	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
1	London (Kew)	61	41	25	–	Tr	5·3
	Croydon ...	63	40	35	–	Tr	7·7
	S. Farnborough	63	34	25	–	Tr	11·0
	Boscombe Down	62	33	31	–	Tr	9·1
	Thorney Island	57	36	29	–	Tr	*
	Lympne ..	56	35	32	–	–	11·6
	Manston ...	57	41	36	–	–	10·2
2	Shoeburyness ...	57	43	33	–	–	9·5
	Felixstowe ...	55	42	32	–	–	10·[illegible]
	Gorleston ...	58	44	39	–	–	5·9
	Mildenhall ...	65	43	37	–	Tr	5·2
	Cranwell ...	62	41	35	–	–	5·3
3	Birmingham ...	63	43	31	–	–	8·2
	Upper Heyford	62	40	33	–	–	*
4	Ross-on-Wye	64	41	31	–	–	1·5
5	Hartland Point	57	45	41	–	–	8·3
	Bristol ...	65	40	31	–	–	6·8
	Portland Bill ...	53	43	*	–	–	*
	Plymouth ...	60	38	29	–	–	11·1
	The Lizard ...	58	46	*	–	–	11·4
	Scilly (St. Mary's)	59	47	*	–	Tr	11·3
	Guernsey ...						
6	Pembroke ...	54	43		–	Tr	10·7
7	Holyhead (Valley)	55	46	44	–	–	*
	Chester (Sealand)	64	45	35	–	–	10·8
8	Manchester ...	60	40	31	–	–	*
10	Spurn Head ...	62	44	*	–	–	8·2
	Catterick (Sc.) ...	57	45	40	–	–	7·8
	Tynemouth ...	58	47	42	–	–	*
11	St. Abbs Head	(55)	45	*	–	–	
	Leuchars ...	58	44	44	–	–	4·8
12	Renfrew (Abbots L.)	54	47	46	–	Tr	1·5
	Eskdalemuir ...	54	41	38	–	–	3·2
	Point of Ayre ...	59	45	*	–	–	5·7
13A	Tiree	52	48	47	–	–	0·8
13B	Stornoway ...	54	45	44	0·1	3	1·6
15	Dalwhinnie ...	48	42	39	Tr	0·1	2·6
	Aberdeen † ...	57	46	40	–	–	1·7
	Wick ...	55	46	44	–	Tr	*
16	Sumburgh ..	48	45	*	Tr	1	1·1
17	Blacksod Point	53	49	*	–	–	*
18	Malin Head ...	54	48		–	Tr	0·4
	Aldergrove ...	53	43	40	–	–	4·4
19	Birr Castle ...	60	46	42	–	–	0·5
20	Valentia Obsy.	58	47	42	Tr	Tr	8·1
	Roches Point	56	46	*	–	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	02754	54627	57	02753	55725
115	52	62734	-----	58	62628	87668
203						
266	5-	02956	22628	5-	02865	24565
210	5-	61967	54568	8-	02857	55427
219	52	62656	18668	5-	05656	20626
230	52	02865	20326	52	22727	21367
245	70	02964	23515	50	01964	22514
260	53	02865	22426	57	02862	53526
278	5-	02856	20216	5-	02865	19227
279	20	02854	19624	53	02864	19425
285						
288	5-	02665	22425	46	02854	22326
575	5-	02855	20326	5-	02858	26328
301	00	01890	22344	00	01890	22313
321	20	05653	20345	10	05661	25111
2.2	50	05653	22113	54	01753	24414
292	10	05662	20412	10	01862	25413
310						
614	7-	05665	22315	10	01761	22211

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	51645	55465	52	22735	20468
--	67209	53569	52	64735	53668
			52	61863	53568
			57	02962	54626
5-	05658	19658	5-	63635	54768
5-	05648	20468	5-	61648	51458
5-	02967	21327	5-	02967	19527
5-	05665	55425	5-	02754	53626
50	01861	19311	53	02856	19327
50	01862	20422	5-	02867	20527
			5-	02856	26526
50	05663	17324	53	02864	16316
50	01853	20313	5-	02758	18328
50	05673	22323	5-	05657	22417
00	05550	16110	50	05561	18314
00	00790	22200	54	05654	22214
50	05661	23211	53	05565	20217
			--	01634	20414
00	45390	22200	0808	4890	22125

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	18	07861	13222	00	00890	18200
334						
340	16	02754	24225	14	01851	26312
136	2-	05675	20325	53	05674	20214
336						
350	2-	02756	18326	54	05672	18213
368	10	05662	12102	03	05690	24114
379	1-	01754	20314	40	01753	18313
390	8-	05567	18227	83	05564	15125
382	2-	02765	18315	46	01863	20223
438	70	01763	00013			
430				00	00890	13200
409	10	01851	14401	00	01890	23101

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
50	05653	00004	5-	05667	18427
			--	02644	24215
00	05630	20200			
00	05630	20300	50	05675	19205
			13	01764	24315
00	05630	19200	00	01790	20312
00	05690	24700	04	05590	00003
00	05690	20310	04	05630	20312
00	47390	20240	00	47290	18140
00	05590	22106	00	05580	00001
			00	05690	22200
50	05651	00001	00	05550	01101
			00	01890	13313

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 5th April

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 ...	cm2.wc	cbc	bcbmsw
Croydon ...	bcm.bcc	bcb	bbczm.
Greenwich ...	bcc	bcyb	bwxb
Camden Square ...	c	c	*
Kensington ...	bc	bcw	*
Hampstead ...	bc	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended Max. Time 0.4 6h. 5th
Min. Time <0.1 10/17h. 5th.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	61	41	25	–	Tr	7·3	*	*
Croydon ...	63	40	35	–	Tr	7·7	*	*
Greenwich ...	64	39	26	–	–	7·0	59	60
Westminster ...	63	41	34	–	–		53	67
Regents Park ...	62	43	35	–	–		56	55
Camden Square ...	63	44	36	–	–	*	*	69
Kensington ...	65	41	28	–	–		60	71
Hampstead ...	62	41	36	–	–		*	72

SECRET

Page 1 BRITISH SECTION

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

Tuesday 6th April 1943.

No 29720

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

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)	13·5	-40	SW'W	4	b-bc	62	55	44	8	-	-	2	0	2-3	-
	Croydon	14·9	-44	SW'W	3	bc	66	55	47	8	-	-	2	0	4-6	-
	S. Farnborough	13·8	-50	SW'W	4	bc	67	45	47	8	-	-	4	0	4-6	-
	Boscombe Down	14·9	-40	SW'W	4	b-bc	66	55	47	7	1	-	8	1	2-3	4000
	Thorney Island	15·9	-30	SSE	4	b-bc	55	85	49	7	-	-	2	0	2-3	-
	Lympne	15·2	-38	S'E	2	c-bc	59	65	49	8	-	-	6	0	7·8	-
	Manston	15·5	-30	SW	3	c	65	55	49	8	-	-	2	0	9	-
2	Shoeburyness	15·1	-40	SSW	4	zo	63	55	49	6	-	-	6	0	2-3	-
	Felixstowe	[illegible]·9	-40	S'W	5	zo	59	65	49	6	-	-	6	0	7·8	-
	Gorleston	11·9	-50	SW'S	5	b-bcq	63	45	39	7	-	7	-	0	2-3	-
	Mildenhall	11·8	-46	SW'W	6	b	65	45	40	8	-	4	-	0	1	-
	Cranwell	09·8	-46	WSW	5	b-bc	61	45	43	7	1	-	3	2-3	2-3	4000
3	Birmingham	12·0	-40	SW	5	b-bc	62	45	41	8	1	-	5	2-3	2-3	4000
	Upper Heyford	13·1	-46	SW'W	5	b	64	55	45	7	1	-	-	Tr	1	4000
4	Ross-on-Wye	12·8	-36	SW	5	b	63	55	46	8	1	-	1	Tr	1	4000
5	Hartland Point	14·9	-24	WSW	3	b	52	92	49	7	-	4	-	0	1	-
	Bristol	14·5	-40	SW	4	b	66	65	53	8	1	4	-	1	1	4000
	Portland Bill	16·6	0	S	1	bc	53	85	49	6	2	-	-	4-6	4-6	2500
	Plymouth	17·2	-22	SW'S	3	zo	54	85	50	7	5	4	1	Tr	1	1000
	The Lizard	17·1	-12	WSW	3	zo	58	85	52	6	4	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	17·5	-14	WSW	3	zo	57	75	50	6	-	-	5	0	1	-
	Guernsey															
6	Pembroke	15·3	-10	WSW	4	b	52	85	48	7	-	4	-	0	1	-
7	Holyhead (Valley)	10·3	-34	SW'S	6	c	51	85	49	7	5	2	-	7-8	10	3000
	Chester (Sealand)	11·2	-26	SW	2	c	59	55	47	7	5	7	-	4-6	10	2000
8	Manchester	10·0	-38	SW	6	c	59	55	41	8	1	5	5	4-6	9+	3000
10	Spurn Head	08·4	-56	WSW	6	bc	59	45	39	7	7	-	-	4-6	4-6	2500
	Catterick (Sc)	02·8	-74	SW	7	c	66	75	48	8	7	7	6	4-6	9+	2500
	Tynemouth	02·6	-48	WSW	6	cq	57	55	39	7	8	-	-	9+	9+	2400
11	St. Abbs Head	96·0	-104	WSW	8	roro	50	85	46	7	5	2	-	7-8	10	1500
	Leuchars	95·1	-70	SW	8	iro	48	85	43	6	5	2	-	7-8	10	1200
12	Renfrew (Abbots I.)	98·7	-56	W	5	rr	48	92	46	5	5	2	-	9	10	600
	Eskdalemuir	01·4	-40	SW'S	6	rr	45	92	42	6	6	-	-	10	10	400
	Point of Ayre	04·8	-46	W	7	c	52	75	45	8	6	7	-	1	10	2000
13A	Tiree	99·0	+14	WNW	7	ph(r)	42	75	35	7	9	-	-	9+	9+	800
13B	Stornoway	92·0	+14	W	8	c/ph(r)	42	85	38	7	8	-	-	7-8	9	1800
15	Dalwhinnie	94·0	-24	WNW	5	prs	38	85	34	6	5	1	-	7-8	10	1500
	Aberdeen	90·4	-52	SW	6	c	51	65	39	7	5	7	-	1	9	2000
	Wick	89·1	-10	WNW	6	phr	41	85	36	7	8	-	-	10	10	800
16	Sumburgh	83·0	-52	W	8	rr	48	97	47	6	5	-	-	10	10	900
17	Blacksod Point	09·8	+10	WNW	6	c/rdh	50	85	46	7	6	-	-	9+	9+	1500
18	Malin Head	01·8	-6	W	7	c/r	47	65	36	7	8	-	-	9+	9+	1500
	Aldergrove	04·1	-38	SW'S	5	ido	50	85	44	7	5	2	-	9+	10	1000
19	Birr Castle	10·8	-26	WSW	5	c	53	75	46	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	15·8	-10	W'S	5	9/pr	53	85	49	7	5	-	-	10	10	1500
	Roches Point	14·1	-24	W	4	c-bc	56	75	48	8	5	-	-	7-8	7-8	1500

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

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)	08·1	-28	SW	4	c	60	65	46	8	5	-	6	2-3	9	2500	0	
Croydon	09·4	-34	SW'W	4	c	62	55	45	8	1	4	5	Tr	9	2500	0	
S. Farnborough	08·9	-30	SW'W	4	c-bc	62	55	46	8	8	8	6	1	7·8	2000	0	
Boscombe Down	10·4	-24	W'S	4	c	67	65	46	7	4	-	6	1	9+	4000	0	
Thorney Island	11·1	-30	SW	5	bc	56	75	47	8	-	3	4	0	4-6	-	0	
Lympne	11·0	-24	SSW	3	bc	53	75	47	8	-	-	4	0	4-6	-	0	3
Manston	09·4	-30	SW	5	c-bc	60	65	46	8	-	-	2	0	7-8	-		
Shoeburyness	09·1	-28	SSW	4	bc	60	55	46	8	-	-	6	0	4-6	-	0	
Felixstowe	06·8	-22	SW'S	5	c	60	65	48	8	-	7	6	0	9	-	0	4
Gorleston	05·7	-18	SSW	4	cq	65	45	45	7	-	7	[illegible]	0	9	-	0	3
Mildenhall	05·5	-34	WSW	7	c	63	45	43	8	-	7	8	0	9+	-	0	
Cranwell	04·6	-18	W	6	c/r	57	55	41	7	5	1	-	7-8	10	6000	0	
Birmingham	07·1	-16	WSW	5	c	58	55	42	8	5	7	-	7·8	9+	2500	0	
Upper Heyford	07·8	-26	WSW	5	c	57	55	42	7	-	7	6	0	9+	-	0	
Ross-on-Wye	09·0	-14	WSW	5	c	55	65	45	8	2	-	6	4-6	9+	4000	0	
Hartland Point	12·5	-12	W	4	zo	50	92	49	6	5	4	-	7-8	9	1500	0	4
Bristol	10·9	-16	W	6	c	51	85	48	6	5	7	8	Tr	9+	1500	0	
Portland Bill	11·2	-30	SW	4	c	52	92	49	8	5	-	-	9	9	4000	1	4
Plymouth	14·2	-18	WSW	3	zo	56	75	48	6	1	-	2	Tr	9	2500	0	1
The Lizard	15·0	-4	W	4	zo	53	85	45	6	7	-	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	15·8	-8	WNW	5	c-bc	52	85	48	7	5	-	6	1	7-8	1600	0	4
Guernsey																	
Pembroke	11·3	-18	NW	6	c-bc	51	92	48	7	8	4	-	4-6	7-8	2500	0	3
Holyhead (Valley)	08·7	-2	WNW	5	bc/r	48	85	44	7	5	3	-	2-3	4-6	2000	1	5
Chester (Sealand)	06·9	-10	WNW	6	rr	55	65	45	7	5	2	-	7-8	10	1500	1	
Manchester	06·5	-20	SW	5	rr	51	85	46	6	5	-	-	10	10	1500	1	
Spurn Head	03·1	-12	WSW	6	c	55	75	50	7	7	7	-	7-8	9+	1500	0	4
Catterick (Sc)	00·7	-6	WNW	7	b-bc/r	45	85	41	7	2	6	-	2-3	2-3	2000	1	
Tynemouth	98·7	+6	WSW	6	bc/pr	46	75	38	7	2	3	-	2-3	4-6	2500	1	3
St. Abbs Head	97·3	+10	W	6	c-bc	41	75	41	7	2	6	-	4-6	7-8	2500	1	5
Leuchars	96·0	+4	W	6	bc/cbc	43	55	28	8	8	6	-	2-3	4-6	2500	1	
Renfrew (Abbots I.)	00·2	+6	W	5	c-bc/phr	41	75	33	8	3	6	-	4-6	7·8	2000	1	
Eskdalemuir	00·6	0	W	4	c-bc/ps	38	85	33	8	5	7	-	4-6	7-8	1800	1	
Point of Ayre	04·7	+6	NW	6	ph(r)	43	75	38	8	9	6	-	7-8	9+	2500	1	4
Tiree	00·4	+8	NW'W	9	bc	39	75	32	8	3	-	-	4-6	4-6	1600	1	6
Stornoway	92·6	+14	WNW	7	cbcjp	36	85	33	7	9	-	-	7-8	7-8	1500	1	5
Dalwhinnie	96·0	+4	WSW	5	c-bc/ps	33	85	29	8	8	6	-	4-6	7-8	2500	1	
Aberdeen	93·0	+4	W'S	4	bcjp	40	55	27	8	3	6	3	1	4-6	2000	1	3
Wick	89·1	+12	SW	6	bc/pr	38	65	28	9	9	-	-	4-6	4-6	1000	1	4
Sumburgh	82·8	0	W'N	7	c/phr	41	85	36	8	3	6	3	7-8	9	1500	1	5
Blacksod Point	13·2	+22	NW	7	c-bc/bcphr	45	65	34	7	9	-	-	7-8	7-8	1500	1	6
Malin Head	03·9	+14	W	7	c/pr	41	65	30	8	8	-	-	4-6	4-6	1500	1	5
Aldergrove	06·5	+18	W'N	6	c/pr	42	65	30	8	9	6	3	4-6	9	1800	1	
Birr Castle	12·1	+12	WNW	5	bc	48	55	33	8	8	-	-	4-6	4-6	1500	1	
Valentia Obsy.	17·7	+20	NW'N	6	c	49	65	38	8	5	7	-	7-8	9+	2500	1	5
Roches Point	14·1	+10	NW'N	6	c	52	85	48	8	8	-	-	9	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.—7h. 6th (42)
London (Kew)	bmobcy	bccyc	cbcbz.	by
Croydon	bmobcy	bcycy	cbc	cbcyb
S. Farnborough	bcyobcy	bcbbccy	cirz.cz.cy	cbcbyb
Boscombe Down	bfbzobcby	byc	cbcby	byb
Thorney Island	fwcmocb	bmobbbc	bccbcq	bcq.byb
Lympne	bmowbbc	bcb	bcccr.	
Manston	bcy	by	cbcor.	czob
Shoeburyness	b2obc2ybcy		bc	bcby
Felixstowe	bczoczo	czobcyc	cbcby	b
Gorleston	bcc	bccq	cprqy	bcyq
Mildenhall	bmocby	bybcycy	cycir.b	b
Cranwell	bc,c,zoy	cbcy	czobzo	bzo
Birmingham	bcy	bcc	cprobc	bc
Upper Heyford	bmabcby	bybccy	bzoycm.	byb
Ross-on-Wye	b2oby	bcycy	cbccq	cbb
Hartland Point	bbcb	bzoc	cbc	bcb
Bristol	bcb	bbcc	cbcm.bzoq	bz.bc
Portland Bill	bcf	c	c	ccc
Plymouth	bfgwb	bbcf	cbc	bcb
The Lizard	bczo	bczo	cbcc	bcc
Scilly (St. Mary's)	bc	bcc	b	cq.p
Guernsey				
Pembroke	bmo	cmo	bcbqm	bq
Holyhead (Valley)	cbcmo	cirmo	bccyb	bc
Chester (Sealand)	bcmozoy	cy	bcb	bbcpr
Manchester	cmobcy	cyiroc	rrpRH	prsqpro
Spurn Head	bcq	c	bq	b
Catterick (Sc)	cq	crororo	bccprob	bbqb
Tynemouth	cq	cqroc	bcbq	bq
St. Abbs Head	crrmo	crrc	cbcb	bbc
Leuchars	cqroroiro	qromocbcy	bcyph.b	bbcpr.b
Renfrew (Abbots I.)	cmoddcmorr	crmorrcphrocbcphbcpr.prbc		bcprbcq
Eskdalemuir	cirorr	ccrRhpRsc	cprs	cbcpshb
Point of Ayre	c	crrc	cbphr.	bPRc
Tiree	cd.r.rcpr	cprphbc	bcphbcpr	cphprbc
Stornoway	crrmoc	cprhscph	cphprph	cphbccph
Dalwhinnie	orrprs	oprspsc		cpso
Aberdeen	c	ckqpRsh.bpSqb		cpsbps
Wick	crrmoccphc	jpcproc	cps.cpr.bcpr.	bcps.cbcc
Sumburgh	rrmo	cphpho	cphry	cphsps
Blacksod Point	d	pr	pr	pr
Malin Head	r	pr	pr	pr
Aldergrove	ccido	crrcpro	prsbcprbc	bbcbprb
Birr Castle	c	r		bc
Valentia Obsy.	pr	r	pr	pr
Roches Point	c	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 6th April 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 ↓	Fresh or strong northwest winds, moderating; local showers with hail and sleet in some east coast districts; some bright periods; cold with local frost at night.
11 S.E. Scotland ↓	As 13B - 15.
12 S.W. Scotland ↓ & Isle of Man; 13A W. Scotland ↓	Northwest winds strong to gale moderating and backing westerly; occasional wintry showers at first; cloudy with occasional slight rain later; cold becoming warmer.
13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Northerly winds strong to gale, moderating and backing westerly; rather frequent wintry showers at first; cloudy with occasional slight rain later; very cold with frost at night in many places becoming warmer.
16 Orkneys and Shetlands ↓	As 13B - 15.
17 N.W. Ireland ↓; 18 N.E. Ireland ↓; 19 S.E. Ireland ↓; 20 S.W. Ireland	Fresh or strong northwest winds moderating and backing west; bright intervals and showers at first, cloudy with slight local rain later; rather cold becoming warmer.

GENERAL INFERENCE

Pressure is low to the northeast of the British Isles, but an anticyclone centred to the Southwest is spreading northeast. A trough of low pressure will move east across Scotland later. Weather will be of a cold showery type generally at first, the showers being of a wintry nature in the North + East. Later it will become cloudy and warmer in the North and West with occasional rain.

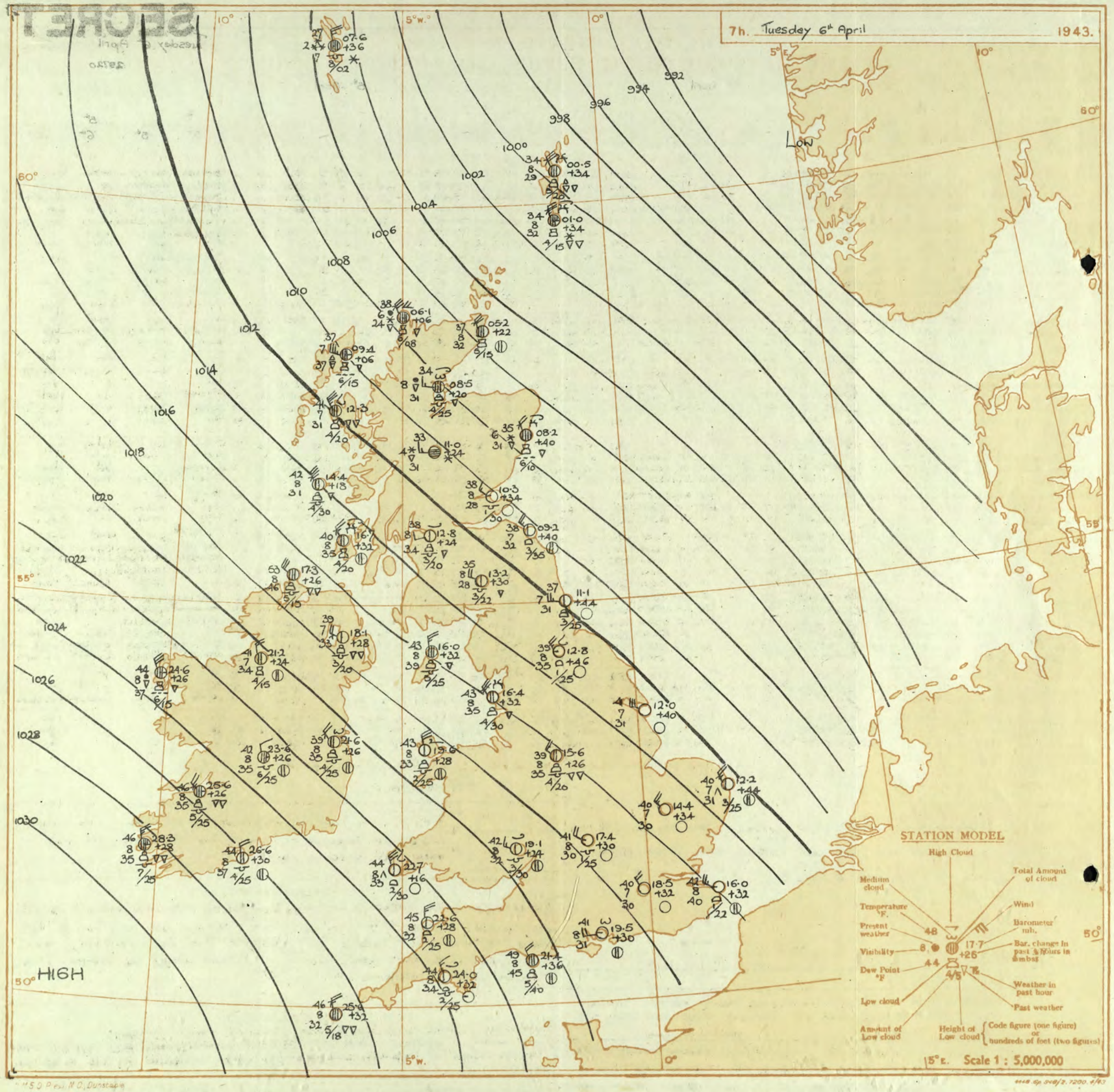
FURTHER OUTLOOK

Rain at times in North, mainly fair in South. Becoming warmer generally

↓ Gale warning in operation in districts 11, 13A, 13B, 15, 16, and 18 (part of) issued 1350 G.M.T. 4·4·43. In districts 8, 10, 12, 17 + 18 (part of) issued 0830 G.M.T. 5·4·43. In districts 2. 6. 7. 19 issued 0800 G.M.T 6·4·43.

Forecasts issued at 12·30

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


7h. Tuesday 6th April 1943.
LOW
HIGH
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in 2mbs
Weather in past hour
Past weather
Scale 1 : 5,000,000

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).

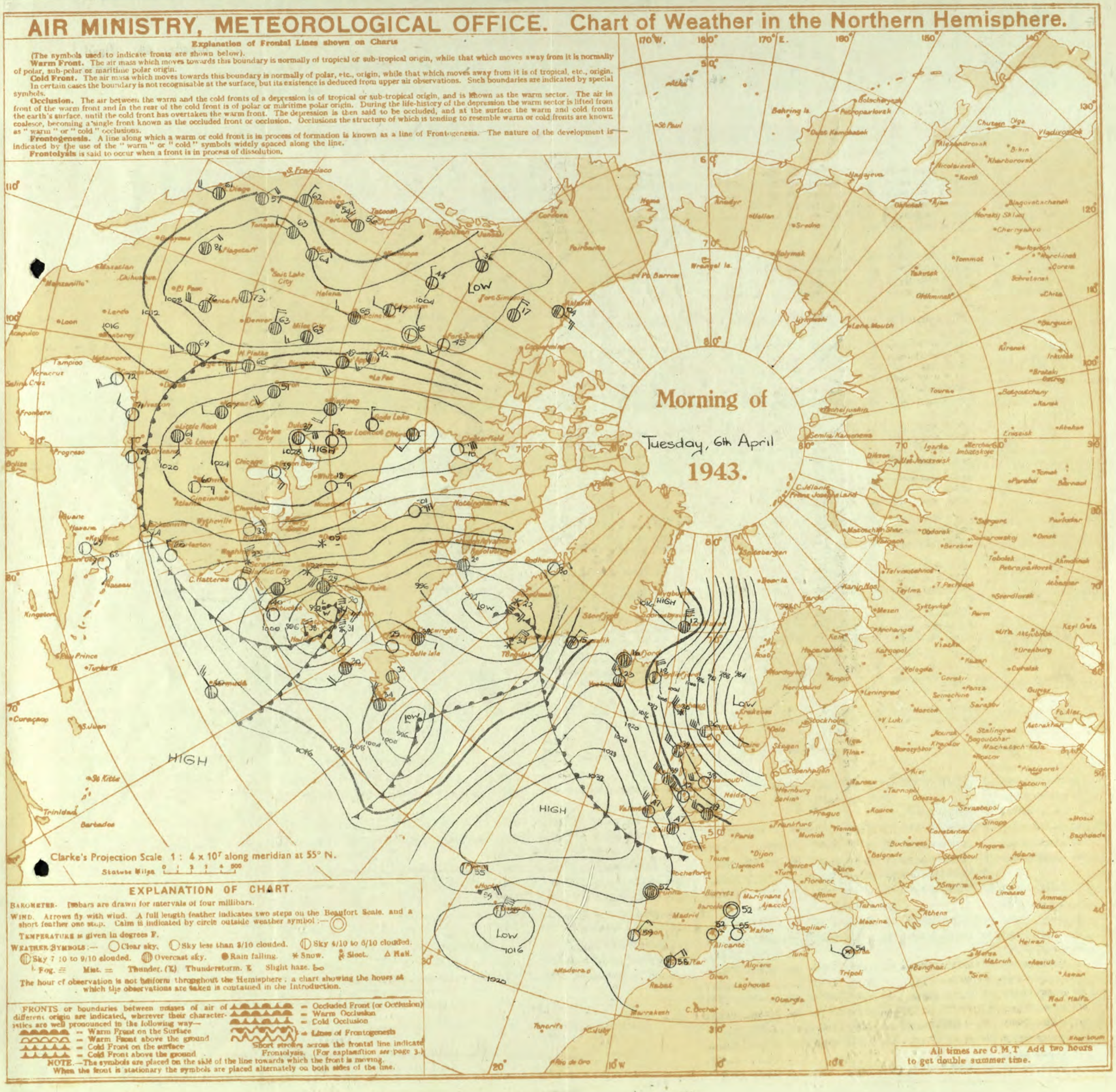
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

BRITISH SECTION

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

Tuesday 6th April 1943

No. 29720

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

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	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon	290	12·1	+20	NW'N	5	c	49	85	46	7	5	-	-	9+	9+	2200
	S. Farnborough	226	12·7	+30	NW'N	6	c-bc	47	55	33	7	5	-	-	7-8	7-8	2000
	Boscombe Down	417	14·2	+26	NW'N	5	b	44	55	30	7	-	-	-	0	0	-
	Thorney Island	10	12·7	+18	WNW	6	b-bcq	49	55	34	9	2	-	-	2-3	2-3	4000
	Lympne	283	10·3	+14	NW'N	6	bc/r	48	75	40	7	5	-	-	4-6	4-6	4000
	Manston	154	09·5	+18	NW	6	c-bc/r	47	65	35	7	5	-	-	7-8	7-8	3800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	09·0	+30	WNW	6	b	46	55	31	7	5	-	-	1	1	4000
	Gorleston	5	06·0	+12	NW	6	bcq	46	45	25	7	8	-	-	4-6	4-6	1500
	Mildenhall	15	09·4	+26	WNW	6	b	41	65	31	8	-	-	-	0	0	-
	Cranwell	203	08·4	+22	WNW		z0	40	65	31	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·7	+42	W'N	4	z0	41	55	26	6	5	-	-	2-3	2-3	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·4	+32	NNW	5	b-bc	45	55	29	8	5	-	-	2-3	2-3	2500
	Bristol	209	15·4	+34	WNW	6	z0	43	65	33	6	5	-	-	Tr	Tr	4000
	Portland Bill	32	14·9	+22	SW	5	c	50	92	48	7	5	-	-	10	10	4000
	Plymouth	82	17·8	+22	NW'W	5	b-bc	47	65	35	7	5	-	8	1	2-3	2500
	The Lizard	240	18·5	+20	NW	6	c-bc	48	75	39	7	5	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	20·8	+24	N'W	5	c-bc	47	65	36	7	5	-	-	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	18·5	+34	NW	6	b-bcq	45	55	30	8	1	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	15·1	+30	NW'W	6	b-bc	42	65	31	8	2	-	-	2-3	2-3	2000
	Chester (Sealand)	16	11·9	+22	W	7	b-bc	43	65	31	7	5	-	-	2-3	2-3	2000
8	Manchester	235	11·1	+30	W'N	5	b	40	65	30	7	-	-	-	0	0	-
10	Spurn Head	29	06·0	+20	WNW	8	bq	42	65	32	7	-	-	-	0	0	-
	Catterick (Sc)	192	05·2	+6	W	7	b	38	85	34	8	-	-	-	0	0	-
	Tynemouth	108	03·0	+12	W	6	bq	38	85	33	7	-	-	-	0	0	-
11	St. Abbs Head	280	01·1	+26	W	7	b-bc	38	85	36	7	5	-	-	2-3	2-3	2500
	Leuchars	36	02·2	+38	WNW	6	b	38	75	30	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	06·5	+34	W	5	bc	39	75	32	7	8	-	-	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10·1	+24	NW	7	b	41	85	36	8	4	-	-	Tr	Tr	3000
13A	Tiree	44	08·8	+34	NW	8	phr	42	65	32	7	3	-	-	7-8	7-8	1500
13B	Stornoway	15	05·4	+60	NW	6	phr	38	85	36	7	9	-	-	7-8	7-8	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	99·0	+36	SW	6	ir	37	92	35	5	5	-	-	9+	9+	1000
	Wick	114	98·0	+60	NNW	6	bc/pr	38	75	31	8	3	-	-	4-6	4-6	2000
16	Sumburgh	19	91·9	+22	WNW	8	c/phr	38	85	35	7	9	-	-	9	9	1000
17	Blacksod Point	18	20·5	+30	NW'N	7	pr	45	65	34	7	9	-	-	7-8	7-8	1500
18	Malin Head	84	11·0	-26	WNW	8	PHR	39	85	35	8	5	-	-	10	10	1500
	Aldergrove	268	12·9	+30	WNW	4	b-bc/pr	37	85	33	7	8	-	-	2-3	2-3	1200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·2	+22	NNW	6	bc	47	45	27	8	8	-	-	4-6	4-6	2500
	Roches Point	22	22·0	+42	NNW	5	bc	46	85	42	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 6th April — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	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 Hrs. (38)
London (Kew)	17·8	+28	WNW	5	b	43	55	27	7	-	-	-	0	0	-	0	*	65	41	33	-	-	10·5
Croydon	18·5	+32	NW'W	4	b	40	65	30	7	-	-	-	0	0	-	0	*	68	39	37	-	-	11·0
S. Farnborough	18·6	+28	WNW	4	b	41	65	29	8	-	-	-	0	0	-	0	*	68	39	33	-	Tr	10·3
Boscombe Down	20·3	+32	W'N	4	b	40	75	31	7	-	-	-	0	0	-	0	*	68	36	31	-	-	9·7
Thorney Island	19·5	+30	W	4	b	41	65	31	8	-	3	-	0	Tr	-	0	*	61	39	34	-	-	*
Lympne	17·4	+34	WNW	4	b	41	65	31	8	1	-	-	Tr	Tr	2000	0	*	62	37	35	-	-	11·7
Manston	16·0	+32	WNW	5	b	42	92	40	8	1	-	-	Tr	Tr	2200	0	§	66	41	39	-	Tr	10·8
Shoeburyness	16·5	+26	WNW	4	b	42	65	29	7	-	-	-	0	0	-	0	*	68	40	32	-	-	[illegible]
Felixstowe	15·8	+42	WNW	5	b	42	75	33	7	-	-	-	0	0	-	0	5	66	40	32	-	-	[illegible]
Gorleston	12·2	+44	NW'W	5	b-bcq	40	65	31	7	1	-	-	2-3	2-3	2500	0	3	67	39	33	-	Tr	9·7
Mildenhall	14·4	+34	W'N	5	b	40	65	30	7	-	-	-	0	0	-	0	*	67	38	30	-	Tr	9·7
Cranwell	13·9	+30	WNW	5	z0	40	75	34	6	1	-	-	Tr	Tr	3000	0	*	64	37	34	Tr	-	8·0
Birmingham	17·4	+28	WNW	3	z0	40	75	33	6	5	-	-	7-8	7-8	2500	0	*	63	38	35	-	0·2	8·9
Upper Heyford	17·4	+30	WNW	4	b	41	65	30	8	5	-	-	Tr	Tr	2500	0	*	66	38	32	-	-	*
Ross-on-Wye	19·1	+24	W'N	3	b-bc	42	65	32	8	5	-	1	2-3	2-3	3000	0	*	65	40	34	-	-	9·3
Hartland Point	22·6	+28	NNW	5	b	45	65	32	8	1	-	-	1	1	2500	0	5	56	44	42	-	-	9·1
Bristol	20·5	+30	NW	4	b-bc	42	75	36	7	8	-	-	2-3	2-3	2500	0		67	40	35	-	-	9·8
Portland Bill	21·4	+36	NW	4	c-bc	49	85	45	8	2	-	-	7-8	7-8	4000	1	4	53	48		-	-	*
Plymouth	24·0	+32	NW	3	b-bc	44	65	34	8	7	-	1	1	2-3	2500	0	2	59	42	34	-	-	10·7
The Lizard	24·2	+24	NNW	4	c-bc	45	65	32	8	8	6	-	7-8	7-8	2000	0	4	57	43	*	-	-	11·4
Scilly (St. Mary's)	25·6	+32	NNW	5	c-bc/pr	46	55	32	8	8	-	-	7-8	7-8	1800	0	5	59	45	*	-	-	10·9
Guernsey																							
Pembroke	22·7	+16	NW	6	b-bcq	44	65	33	8	1	4	-	1	2-3	3000	0	4	53	43		-	-	7·7
Holyhead (Valley)	19·6	+28	NW'N	6	b-bc	43	65	33	8	8	-	5	1	2-3	2500	1	5	54	40	38	1	-	*
Chester (Sealand)	15·6	+16	NW	5	b-bc	43	75	35	8	2	-	-	2-3	2-3	2500	1	*	61	41	31	Tr	1	5·2
Manchester	16·2	+30	WNW	5	b-bc	40	75	34	7	2	-	-	2-3	2-3	4000	1	*	59	34	31	1	2	*
Spurn Head	12·0	+40	WNW	6	b	41	65	31	7	-	-	-	0	0	-	0	4	61	39	*	-	-	6·9
Catterick (Sc)	12·8	+46	NW	5	b	39	85	35	8	1	4	-	Tr	Tr	2500	0	*	57	37	33	0·5	0·2	2·1
Tynemouth	11·1	+44	W	5	b-bc	39	75	31	7	2	-	-	2-3	2-3	2500	1	3	58	36	33	0·3	-	*
St. Abbs Head	09·2	+40	WNW	5	b-bc	38	85	32	7	1	-	-	2-3	2-3	3500	0	4	55	37	*	2	-	
Leuchars	10·3	+34	WNW	3	b	38	65	28	8	5	-	-	Tr	Tr	3000	0	*	51	34	29	0·6	Tr	2·3
Renfrew (Abbots I.)	12·8	+28	WSW	2	b-bc	38	85	34	8	8	-	2	2-3	2-3	2000	1	*	50	35	31	8	1	1·4
Eskdalemuir	13·2	+30	WNW	4	b-bc	35	75	28	8	5	-	-	2-3	2-3	2200	0	*	47	33	30	11	0·3	0·3
Point of Ayre	16·0	+32	NNW	5	c-bcjp	43	92	39	8	8	-	-	7-8	7-8	2000	1	4	55	39	*	2	0·6	0·5
Tiree	14·4	+18	NW'W	7	bc	42	65	31	8	8	-	-	4-6	4-6	3000	0	6	50	35	33	5	4	3·0
Stornoway	09·4	+6	WNW	7	PHR	36	97	36	7	9	-	-	9	9	1500	1	4	48	33	32	8	3	3·0
Dalwhinnie	11·0	+24	W	3	ps	33	92	31	4	-	-	-	10	10	2150	8		45	31	29	13	3	0·6
Aberdeen †	08·2	+40	NW	4	ps	35	85	31	6	9	6	3	9	10	1000	4	3	55	34	31	3	1	2·0
Wick	05·2	+22	NW	4	c-bc	33	92	32	8	3	-	-	7-8	7-8	1500	1	*	50	31	30	3	3	
Sumburgh	01·0	+34	NNW	7	c/ps	34	92	32	8	3	6	3	4-6	9+	1500	4	5	46	30	29	5	3	0·4
Blacksod Point	24·6	+26	NW	6	pr	44	75	37	8	9	-	-	9	9	1500	1	5	52	41	*	1	0·3	
Malin Head	17·3	+26	WNW	6	c-bc/pr	53	75	46	8	8	-	-	7-8	7-8	1500	1	6	51	35		1	2	1·7
Aldergrove	18·1	+28	WNW	4	b-bc/pr	39	85	33	7	8	-	-	2-3	2-3	2000	1	*	50	37	32	0·4	2	1·9
Birr Castle	23·6	+26	NNW	2	c	42	75	35	8	5	-	-	9	9	2500	1	*	54	37	33	0·3	-	1·3
Valentia Obsy.	28·3	+28	NNW	5	c/pr	46	65	35	8	8	-	-	9+	9+	2500	1	5	54	44	41	Tr	0·1	0·1
Roches Point	26·6	+30	NNW	4	bc	44	75	37	8	5	-	-	4-6	4-6	2500	1	4	57	44	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	82	51843	57866	9-	27745	57785	30	27644	60784	82	02855	62687
115	57	88844	91786				37	85844	95787	52	85636	61688
203	6-	88738	24568	8-	88846	26686						
206	62	64645	55468	3-	88854	57584	53	61683	03639	54	28384	09234
210	02	62746	23466	3-	01854	21424	9-	01853	28538	8-	25843	61487
219	3-	14855	57885	36	14854	59084	8-	81745	30885	34	25754	28785
230				33	27854	58684	3-	88855	59895	36	27854	59485
245	51	22854	54728	86	27853	24483	40	01851	25381	34	01942	24312
260	5-	64648	53668				00	00790	56600	10	01861	24411
278	52	02847	20528	87	27846	58687	90	02744	61748	96	25844	59685
279	52	02644	53768	86	10854	26565	50	25853	58583	24	01853	60504
285	5-	03748	24718							20	01743	30643
288	5-	02867	55727	80	01753	58524	00	14790	57680	00	00890	57300
575	62	64535	58558	8-	88744	63667	3-	81757	63517	30	01744	63414
301	5-	05658	21528	57	02755	26586	9-	89547	95867	26	01864	61684
321	70	02764	20424	57	05654	55527	00	05690	59580	00	05690	59500
[illegible]	53	14654	22515	8-	14656	22626	00	00790	26500	20	01751	26511
292	2-	02665	55725	6-	25844	57724	00	00890	24580	20	01951	26401
310	--	01644	24514							--	01625	26485
614	7-	02755	55525	52	02757	55528	80	25656	58526	20	05663	57413

III	13h. G.M.T. 5th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	57	05653	18628	62	64637	59658	80	01754	59684	80	01753	59514
334	--	02556	24317									
340	10	02854	55627	57	02855	56528	50	01751	61461	7-	02856	59326
[illegible]	10	01752	53412	59	32764	55737	00	00890	24760	10	14751	24501
336	10	01765	24515	57	02756	28528				57	02754	28516
350	50	01761	22512	07	02890	55627	00	00690	63660	00	00790	57410
368	00	00790	22503	53	05625	55516	00	05690	61510	50	05655	28405
379	70	01763	53513	19	02742	54627	00	05690	615·0	00	07900	2·400
390	00	01680	18414	54	05653	51526	5-	05668	61628			
382	10	01852	55513	07	02830	57626	20	01863	61523	00	00890	58400
438	57	05653	22213				80	02657	26617			
430	00	01780	18314	00	01790	20413	51	05665	57728	00	00790	22200
409	10	01751	23513	50	05643	25427	8-	05665	34626	50	01854	62614

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 6th April
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	bm, bcy	bccyc	cbcbz, by	Kew 24 hours ended [illegible] Max 0·3 Time 7-8h SH Min. 0·1 Time 10-24h SH
Croydon	bm, bcy	bcycy	cbcyb	
Greenwich	bbcy @	bcby	bcq, bcby	
Camden Square	c	c	*	
Kensington	bc	bc	*	
Hampstead	b	bc	bc	

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	65	41	33	-	-	10·5	*	*
Croydon	68	39	37	-	-	11·0	*	*
Greenwich	70	40	33	-	-	11·1	34	47
Westminster	69	41	39	-	-		42	44
Regents Park	69	41	38	-	-		84	84
Camden Square	70	41	35	-	-	*	*	51
Kensington	70	40	34	-	-			49
Hampstead	67	50	48	-	-		*	56

Page 1 **BRITISH SECTION**

SECRET

Wednesday 7 April 1943.

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

No. 29721

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

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)	20·4	+8	WNW	4	c	51	35	24	8	7	-	-	9+	9+	2500
	Croydon	21·1	+6	NWN	4	c	51	55	33	8	2	-	-	9	9	3500
	S. Farnborough	21·3	+8	NW	4	ebc	51	45	30	8	7	-	-	7-8	7-8	2500
	Boscombe Down	22·5	+8	NW	5	e-bc	50	55	32	8	2	-	-	7-8	7-8	2500
	Thorney Island	21·6	+6	WNW	5	ebc	53	45	30	9	2	-	-	7-8	7-8	4000
	Lympne	19·4	+6	WNW	5	cjp	53	45	32	7	9	-	-	9	9	2700
	Manston	18·5	+6	WNW	6	bc	52	45	30	7	2	-	-	4-6	4-6	3500
2	Shoeburyness	19·5	+8	WNW	5	bc	53	45	29	7	2	-	-	4-6	4-6	4000
	Felixstowe	17·7	+6	WNW	5	bc/pr	51	55	34	7	8	-	-	4-6	4-6	2500
	Gorleston	15·2	+6	NWN	5	ebcq	49	35	24	7	8	-	-	7-8	7-8	1800
	Mildenhall	17·6	+8	WNW	6	cjp	49	45	29	8	9	-	-	10	10	2500
	Cranwell	16·8	+8	WNW	6	c	48	55	34	7	2	-	-	2-3	9+	2000
3	Birmingham	20·4	+6	WNW	5	ebc	48	45	28	8	8	-	-	7-8	7-8	2500
	Upper Heyford	20·2	+8	WNW	5	bc	48	45	31	8	8	-	1	4-6	4-6	3000
4	Ross-on-Wye	22·3	+8	WN	5	c	49	55	31	8	8	-	-	9+	9+	4000
5	Hartland Point	23·5	+16	NW	3	bc	47	75	39	8	1	4	-	4-6	4-6	2500
	Bristol	24·0	+14	WNW	5	pr	48	65	39	8	8	-	-	9	9	4000
	Portland Bill	24·5	+12	NW	4	c	50	75	43	8	2	4	-	4-6	10	4000
	Plymouth	27·1	+10	NNW	5	ebc	50	55	34	8	7	-	-	7-8	7-8	3000
	The Lizard	28·1	+12	WNW	5	ebc	50	55	36	8	2	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	29·9	+16	NWN	5	b-bc	53	55	35	8	8	4	3	2-3	2-3	2200
	Guernsey															
6	Pembroke	27·3	+18	WNW	5	cq	48	75	39	8	2	4	-	7-8	10	2500
7	Holyhead (Valley)	21·1	+6	WNW	6	c	50	65	37	8	8	6	-	7-8	9	2400
	Chester (Sealand)	20·1	+10	NW	7	ebc	49	55	35	8	8	-	-	7-8	7-8	2500
8	Manchester	18·7	+6	WNW	6	c/pr	46	75	37	8	3	6	-	7-8	9	2500
10	Spurn Head	14·5	0	WNW	6	cq	49	55	32	7	2	-	-	9+	9+	2500
	Catterick (Sc)	14·1	-4	WNW	6	c/pr	48	75	39	8	8	4	-	7-8	9	2000
	Tynemouth	13·3	0	NW	8	cq	46	45	26	7	8	-	-	9	9	2500
11	St. Abbs Head	11·2	+10	WNW	5	ebc/phr	43	75	34	7	2	6	-	4-6	7-8	2000
	Leuchars	13·1	+30	NW	8	bc	45	55	28	9	2	6	1	4-6	4-6	3000
12	Renfrew (Abbots I.)	16·2	+22	WNW	7	ebc/pr	45	65	35	7	8	-	3	7-8	7-8	2000
	Eskdalemuir	13·8	+4	NW	8	b-bc	44	45	25	8	7	-	-	2-3	2-3	2500
	Point of Ayre	19·8	+16	NWN	6	ebc	46	75	38	8	8	-	-	7-8	7-8	2500
13A	Tiree	20·3	+28	NWN	7	pr	43	65	33	8	9	6	-	7-8	9	2000
13B	Stornoway	17·8	+50	NW	6	ps	37	97	37	5	8	-	-	7-8	7-8	1100
15	Dalwhinnie	16·0	+32	NW	4	c	36	65	25	5	5	-	-	9+	9+	2500
	Aberdeen	13·1	+44	NNW	4	prs	34	97	33	7	9	-	-	2-3	10	1500
	Wick	11·8	+54	N	4	ebc/ps	36	85	32	8	3	-	-	7-8	7-8	3000
16	Sumburgh	08·7	+42	NNW	7	c	35	85	31	8	2	-	-	9	9	2000
17	Blacksod Point	28·5	+14	NW	5	c	50	65	39	8	8	-	-	9	9	1500
18	Maim Head	21·6	+16	NNW	6	pr	47	75	40	8	8	-	-	7-8	7-8	1500
	Aldergrove	22·2	+16	WNW	5	c/ps	46	65	34	8	9	-	-	7-8	9	1800
19	Birr Castle	26·6	+8	NNW	5	ebc	50	55	35	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	31·7	+12	NWN	5	c	50	65	39	8	7	-	-	9	9	4000
	Roches Point	28·7	+8	NWN	6	bc	51	75	44	8	2	-	5	4-6	4-6	2500

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

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)	21·2	+10	NW'W	4	c	50	45	30	8	7	-	-	9	9	2500	0	*
	Croydon	21·7	+6	NW'N	4	c-bc	50	55	33	7	2	4	-	4-6	7-8	3000	0	*
	S. Farnborough	21·8	+6	NW'W	4	c	50	55	32	8	7	6	-	7-8	9	2000	0	*
	Boscombe Down	23·9	+6	NW'W	4	c	48	55	34	8	8	3	6	7-8	9+	3000	0	*
	Thorney Island	21·5	+2	WNW	5	c	50	55	33	8	8	-	-	9	9	2500	0	*
	Lympne	19·8	+2	WNW	4	c	48	55	32	7	8	-	-	7-8	9	2600	0	4
	Manston	19·0	0	NW'W	5	c	49	55	32	7	4	-	-	9+	9+	2200	0	*
2	Shoeburyness	20·0	+6	WNW	4	c	49	45	31	8	5	-	-	9+	9+	2500	0	*
	Felixstowe	18·2	+12	NW'W	5	c/pr	48	65	37	8	8	-	-	9	9	2500	0	5
	Gorleston	16·5	+10	N'W	6	c/pr	44	75	35	7	8	7	-	7-8	10	1800	1	4
	Mildenhall	18·4	+12	NW'W	5	bc	48	55	31	8	8	-	-	2-3	4-6	2000	0	*
	Cranwell	18·7	+18	WNW	6	c	47	65	35	8	4	-	-	9	9	3500	0	*
3	Birmingham	22·9	+14	NW	5	pr	44	65	33	8	8	-	-	9	9	2500	0	*
	Upper Heyford	21·9	+18	NW'W	5	c-bc/pr	44	75	36	7	8	4	-	4-6	7-8	4000	0	*
4	Ross-on-Wye	23·6	+8	W'N	5	bc	48	55	33	8	8	-	-	4-6	4-6	3500	0	*
5	Hartland Point	27·0	+4	NW	4	b-bc	48	75	41	8	1	4	-	1	2-3	2500	0	4
	Bristol	24·3	+6	WNW	5	c-bc	49	75	40	7	8	-	-	2-3	7-8	4000	0	*
	Portland Bill	26·0	+4	NW	4	c-bc	49	85	45	8	2	4	-	4-6	7-8	4000	1	4
	Plymouth	27·9	+4	NNW	5	bc	50	65	38	8	8	4	-	4-6	4-6	3000	0	2
	The Lizard	28·3	+2	NW	5	c-bc	49	75	40	8	8	-	-	7-8	7-8	2000	0	4
	Scilly (St. Mary's)	30·4	+4	NW'W	4	bc	50	65	38	8	1	4	6	2-3	4-6	2200	0	4
	Guernsey																	
6	Pembroke	26·8	+4	NW	4	bc	50	75	41	8	2	5	1	2-3	4-6	3000	0	3
7	Holyhead (Valley)	25·0	+8	WNW	5	c-bc	48	65	36	8	8	6	-	7-8	7-8	3000	1	5
	Chester (Sealand)	22·7	+18	NW	6	c/pr	46	75	38	8	8	-	-	9+	9+	1500	1	*
8	Manchester	21·5	+14	NW	4	c-bc/pr	45	65	32	6	3	6	3	4-6	7-8	2500	1	*
10	Spurn Head	17·5	+26	N'W	6	cq	46	92	42	7	3	-	-	9+	9+	1500	1	5
	Catterick (Sc)	19·4	+38	N	5	c	41	85	35	8	5	7	-	7-8	9+	1500	0	*
	Tynemouth	19·3	+12	NNW	5	bc	40	75	32	8	8	3	-	4-6	4-6	2500	0	4
11	St. Abbs Head	17·1	+14	N	3	c-bc	40	75	33	8	5	-	-	7-8	7-8	2500	0	5
	Leuchars	17·8	+14	WNW	4	c-bc	42	55	28	8	4	4	8	7-8	7-8	2000	0	*
12	Renfrew (Abbots I.)	20·4	+26	NW'W	3	c	43	75	34	8	8	7	1	7-8	9	1800	1	*
	Eskdalemuir	19·5	+32	NW	4	bc	42	55	27	8	5	4	-	4-6	4-6	2600	0	*
	Point of Ayre	23·0	+14	N'W	7	b-bc	46	65	35	8	8	4	-	1	2-3	2500	0	5
13A	Tiree	21·2	0	NW	5	roro	43	85	38	8	5	3	7	4-6	9+	1500	1	5
13B	Stornoway	17·1	-10	WSW	4	roro	37	97	36	7	5	-	-	10	10	1800	1	3
15	Dalwhinnie	19·0	+14	WNW	3	c	36	65	35	7	5	6	-	7-8	9+	2500	4	*
	Aberdeen	17·1	+10	NW'N	4	c-bc	38	65	27	8	8	6	-	7-8	7-8	2000	1	3
	Wick	15·3	0	NNW	4	c	35	75	29	8	8	-	-	10	10	3000	1	*
16	Sumburgh	11·2	+2	NW	5	c/phr	36	85	33	8	8	-	-	10	10	1500	1	4
17	Blacksod Point	29·0	-2	WNW	5	c	49	75	41	8	5	-	-	10	10	1500	1	4
18	Maim Head	22·7	+2	NW	7	c-bc/pr	45	75	38	8	8	-	-	7-8	7-8	1500	1	5
	Aldergrove	24·7	+18	W'N	5	c/pr	45	65	35	8	8	-	-	9+	9+	2000	1	*
19	Birr Castle	28·3	+14	NNW	3	c	50	55	35	8	8	7	-	7-8	9	1500	1	*
20	Valentia Obsy.	32·8	+2	NW'N	5	bc	49	65	38	8	7	-	4	4-6	4-6	2500	0	4
	Roches Point	29·8	+10	N'W	6	bc	51	75	44	8	5	-	5	4-6	4-6	2500	0	4

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. 6th (39)	13h.–18h. 6th (40)	18h. 6th to 1h. 7th (41)	1h.–7h. 7th (42)
1	London (Kew)	b,cy	cprocy	cbcby	bbcc
	Croydon	bycy	cy	cbcbcby	ccido
	S. Farnborough	bby,cy	cy	c,bmo	cbcmoc
	Boscombe Down	bcycy	cy	cbcb,c	bcc
	Thorney Island	bbcycy	cy	bcb	bbcc
	Lympne	bbcy	cjpcy	cyb	bcc
	Manston	bcybc	cy	bczo	czoc
2	Shoeburyness	bcy	bc	cycbc	bcc
	Felixstowe	bccprcy	cyproc	bccprob	ccmo
	Gorleston	bccqcy	cpro	cbc	cproq
	Mildenhall	bccy	cyprocy	bcbbcc	c
	Cranwell	bbccprocy	cy	bccirocz o	cirocmo
3	Birmingham	bcc	cbcc	probc	bc
	Upper Heyford	bcy cbcy	bcycy	bbcc	bcc
4	Ross-on-Wye	bbcbc	cybcy	cybcy	cbcc
5	Hartland Point	bbc	bc	bcb	bbcc
	Bristol	bcc	cprobc	bcbbcc	cbcbc
	Portland Bill	c	c	bcbc	co
	Plymouth	bbcy	cycbc	bcb	bbcc
	The Lizard	cbccy	c	bc	bcc
	Scilly (St. Mary's)	cbcy	bcebc	bccbcb	bbcc
	Guernsey				
6	Pembroke	cq	cqbc	bcq	cq
7	Holyhead (Valley)	bcb	bbc	c	c
	Chester (Sealand)	bcy	bccpro	c	cbcc
8	Manchester	bropr	prh prq	czopro	ciromo
10	Spurn Head	cproq	cprq	c	
	Catterick (Sc)	bccpro	cbcc	cirocmo	cqc
	Tynemouth	bkcq	bcccbc	bccoiroq	ocq
11	St. Abbs Head	bccrsc	cbcc	copro	ocbbc
	Leuchars	bbcy	bcycjpcy	bcycido c	bcbbc
12	Renfrew (Abbots I.)	bcprsoqcpro	cbcc	cbccmodbiro	cmorrbcmopro
	Eskdalemuir	bbcpro	bcyv		
	Point of Ayre	prhcq	cbc	bprc	bcprdd
13A	Tiree	cphoc	cprocprroro	crodoa	bbcapr
13B	Stornoway	cpsoh	cpsocroro	cmor/c	cprobccpr
15	Dalwhinnie	opsc	cpso		coprspr
	Aberdeen	cpsSr	cprs	ccpSo	ppSSo
	Wick	cSoSocposc	cpsoc	cSoSocrscroro	cirocmo
16	Sumburgh	bcphoc	cphoc	cmoSoSoSS	roSomoproSoc
17	Blacksod Point	bc	c	bc	c
18	Maim Head	pr	pr	r	pr
	Aldergrove	bropropro	cjp pro	cmo	crorom ocmo
19	Birr Castle	c	c		c
20	Valentia Obsy.	pr	bc	bc	d
	Roches Point	c	bc	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 7th April 1943

Districts	Forecast
1 S.E. England ▲, 2 E. England ▲, 3 E. Midlands, 4 W. Midlands, 5 S.W. England ▲, 6 South Wales ▲	Strong northwest wind, gale in many exposed places at first, moderating gradually later; local showers; bright intervals; cold
7 North Wales ▲, 8 N.W. England ▲	Severe northwest gale, moderating later; occasional showers, some bright intervals; cold.
9 N. Midlands	As 1-6
10 N.E. England ▲, 11 S.E. Scotland ▲	Northwest to north gale, severe locally, moderating later; occasional wintry showers, very cold.
12 S.W. Scotland & Isle of Man ▲, 13A W. Scotland ▲, 13B N.W. Scotland ▲	Northwesterly gale, moderating gradually, backing west or southwest later and freshening again; occasional showers, with snow on high ground; much low cloud and occasional slight rain spreading from west later; very cold, becoming less cold later
~~14 Mid Scotland~~, 15 N.E. Scotland ▲	As 10-11
16 Orkneys and Shetlands ▲	As 10-11
17 N.W. Ireland ▲, 18 N.E. Ireland ▲	As 12-13B
19 S.E. Ireland ▲, 20 S.W. Ireland ▲	As 1-6

GENERAL INFERENCE

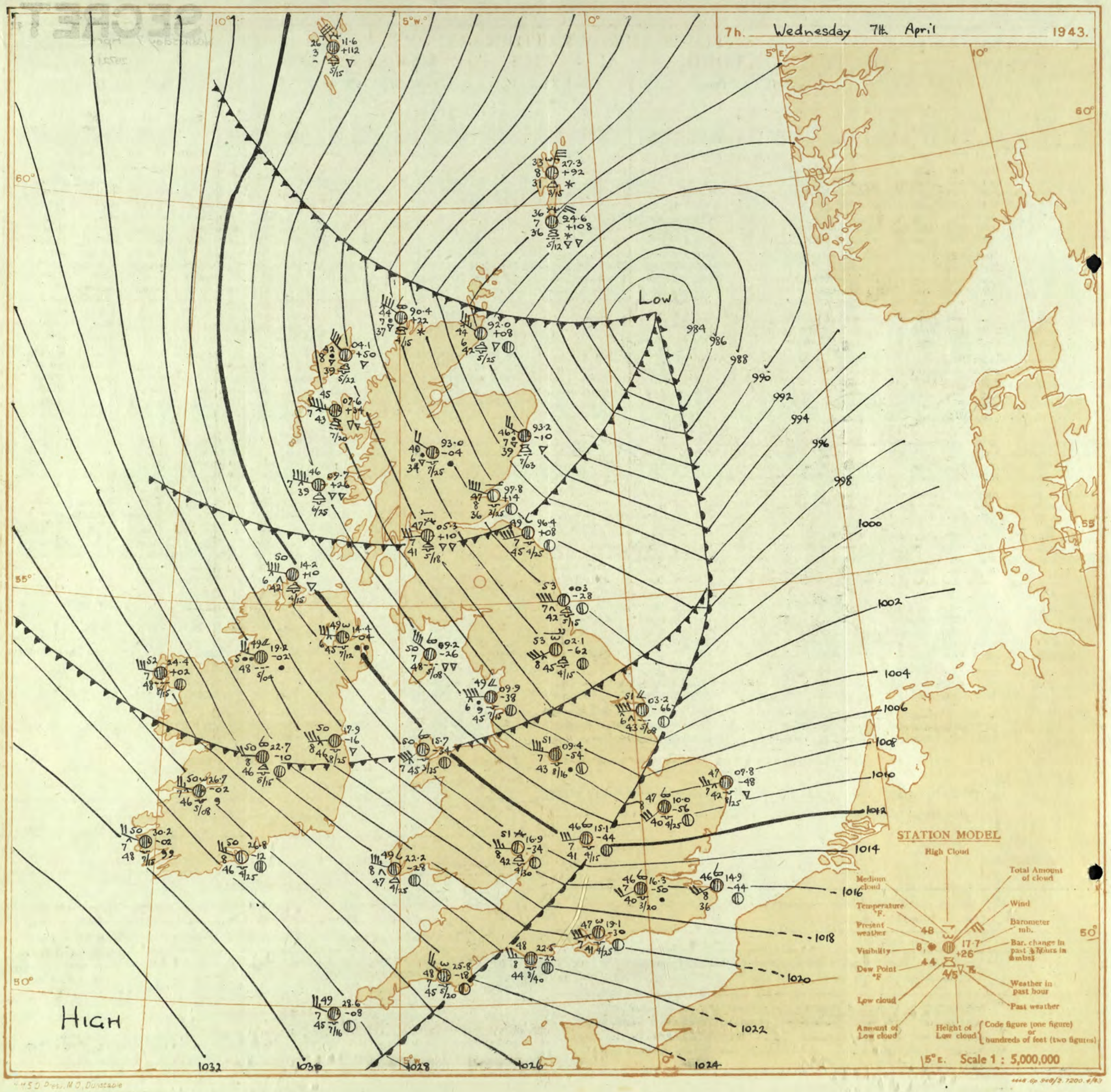
A very intense depression centred over the North Sea is moving southeast, and a ridge of high pressure will spread across the British Isles. Weather will be of a general squally showery type, with gales in many places, and with some snow showers in Scotland and Northeast England; the winds will gradually subside, but over northwestern districts will later be affected by another depression moving down from Iceland, the winds backing and freshening, and some rain spreading across those districts; it will be generally cold, very cold for a time in the North.

FURTHER OUTLOOK

Unsettled type continuing, with renewal of strong winds in many districts.
▲ Gale warning in operation in districts 5 (part of) 2, 6, 7, 8, 10, 11, 12, 13A, 13B, 15, 16, 17, 18, 19 & 20. Issued 2220 G.M.T. 6-4-43. In districts 1 and 5 (part of) Issued 04·52 G.M.T. 7-4-43

Forecasts issued at 1030

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



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

448 Gp 948/2. 7200. 4/43

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).

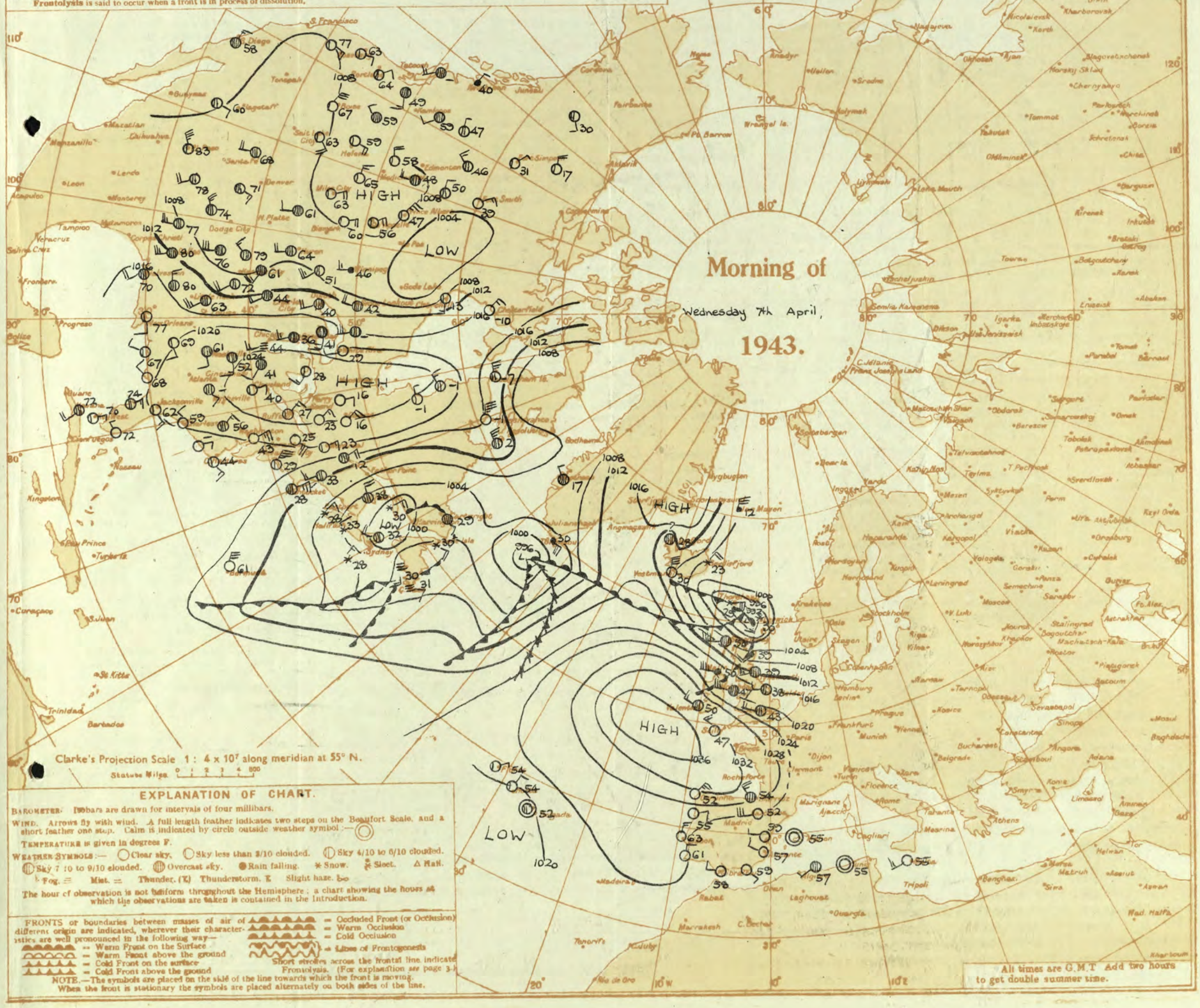
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Wednesday 7th April 1943

No. 29721

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

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	24·1	-2	NNW	3	c-bc	43	75	34	7	5	-	-	7·8	7·8	2500
	S. Farnborough	226	23·9	-10	NNW	2	Zo	43	75	35	6	-	7	-	0	10	-
	Boscombe Down	417	25·5	-2	N'N	2	c	41	85	36	8	5	-	-	10	10	7200
	Thorney Island	10	24·7	-6	W'S	3	b	44	75	35	8	5	-	-	1	1	4000
	Lympne ...	283	22·9	+2	W	2	b	38	75	29	7	-	-	-	0	0	-
	Manston ...	154	22·2	+4	NW	1	Zo	41	75	33	6	5	-	-	1	1	3000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·2	-2	WSW	3	b	41	75	34	7	5	-	-	1	1	4000
	Gorleston ...	5	19·4	-10	W'S	2	bc	38	75	30	7	5	-	-	4·6	4·6	2500
	Mildenhall ...	15	20·7	-14	WSW	3	c	37	85	32	8	-	7	-	0	9+	-
	Cranwell ...	203	19·2	-24	W'N	3	c/f	42	75	33	6	5	-	-	9+	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·0	-14	NW	3	c-bc	42	75	34	7	5	-	-	7·8	7·8	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·8	-6	NW	3	b jp	47	85	43	8	1	-	-	Tr	Tr	4000
	Bristol ...	209	25·8	-6	SW	4	c	44	85	39	7	5	-	-	9	9	6300
	Portland Bill ...	32	26·0	-8	NW	4	b-bc	48	85	44	8	5	-	-	2-3	2-3	4000
	Plymouth ...	82	28·8	-2	NW	4	b	46	85	41	7	4	-	-	Tr	Tr	2500
	The Lizard ...	240	30·3	+6	NW	4	b-bc	46	92	44	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	31·0	0	NW'N	4	b	47	75	38	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	27·4	-2	NW	4	b-bc	47	85	43	8	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	23·1	-26	W'S	6	c	47	75	41	7	5	-	-	10	10	2500
	Chester (Sealand)	16	20·6	-30	WNW	3	c	47	75	40	7	5	-	-	10	10	1900
8	Manchester ...	235	19·8	-34	W'S	5	ic	44	85	39	5	5	-	-	10	10	2500
10	Spurn Head ...	29	18·8	-18	SW'W	5	c	39	75	31	7	5	2	-	4-6	10	1500
	Catterick (Sc.) ...	192	15·6	-68	WSW	7	Zo	44	85	40	6	5	-	-	10	10	2500
	Tynemouth ...	108	12·8	-56	W	6	cq	43	75	37	7	-	2	-	10	10	2500
11	St. Abbs Head	280	05·8	-100	SW	6	o	46	92	45	7	5	-	-	10	10	2500
	Leuchars ...	36	02·8	-106	WSW	8	c-bc	47	65	35	8	5	2	-	4-6	7-8	2000
12	Renfrew (Abbots L.)	19	09·8	-74	W	5	ic	50	92	47	6	5	-	-	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17·5	-46	WNW	6	c-bc	47	85	44	7	5	-	-	7·8	7·8	2500
13A	Tiree ...	44	09·2	-56	W'N	7	c	49	92	47	7	5	-	-	10	10	2000
13B	Stornoway ...	15	99·3	-48	W	3	o/f	50	97	48	7	5	-	-	10	10	1100
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	00·1	-122	SW	4	rr	39	92	37	7	-	2	-	10	10	2500
	Wick ...	114	95·4	-116	SW	3	ro	42	92	40	6	5	-	-	10	10	1300
16	Sumburgh ...	19	94·9	-112	SSW	5	ss	34	97	34	6	5	-	-	10	10	800
17	Blacksod Point	18	26·1	-14	W'N	5	bc	50	85	46	8	8	-	-	4-6	4-6	1500
18	Malin Head ...	84	15·8	-36	W	7	ic	50	85	46	8	-	2	-	10	10	1500
	Aldergrove ...	268	19·1	-34	W'S	5	Zo	48	85	45	6	5	-	-	10	10	1200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·9	-14	NW'N	3	c	50	85	46	8	5	-	-	9+	9+	2500
	Roches Point	22	29·8	-10	NNW	5	bc	46	85	42	8	3	-	-	4-6	4-6	1500

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

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)	15·9	-48	WSW	5	c	47	75	39	7	5	7	-	7·8	9+	4000	0	*
Croydon ...	16·3	-50	W'S	4	c	46	85	40	7	5	7	-	2-3	10	2000	0	*
S. Farnborough	16·9	-38	W'N	5	c	47	75	41	8	6	3	-	7·8	9+	1200	0	*
Boscombe Down	19·3	-30	W	5	c	47	85	43	7	5	-	-	9+	9+	3000	0	*
Thorney Island	19·1	-30	W	6	c-bc	47	75	41	7	5	3	-	4·6	7·8	2500	0	*
Lympne ...	15·4	-46	WSW	4	c	43	75	37	8	5	3	-	4·6	10	6000	0	5
Manston ...	14·9	-44	W'S	5	c	46	75	36	8	-	7	-	0	10	-	0	*
Shoeburyness ...	14·1	-44	SW	4	c	46	75	39	7	5	7	-	2-3	10	2500	1	*
Felixstowe ...	11·1	-58	WSW	5	Zo	45	85	39	6	5	7	-	7·8	10	4000	0	4
Gorleston ...	07·8	-48	W'S	5	cq	47	85	42	7	5	-	-	10	10	1200	1	4
Mildenhall ...	10·0	-56	WSW	6	c	47	75	40	8	5	7	-	4-6	10	2500	0	*
Cranwell ...	07·0	-66	W	6	Zo	49	85	43	6	5	-	-	4-6	10	800	0	*
Birmingham ...	12·4	-48	WSW	5	bc	49	75	42	8	5	7	-	4-6	4-6	1500	1	*
Upper Heyford	15·1	-44	W'S	6	c-bc	46	85	41	7	5	7	-	4-6	7·8	1500	0	*
Ross-on-Wye	16·9	-34	W	5	bc	51	75	42	8	8	6	-	4-6	4-6	3000	0	*
Hartland Point	23·2	-24	WNW	5	c-bc	48	92	47	7	5	4	-	4-6	7·8	2500	0	5
Bristol ...	20·1	-34	W	5	c	47	92	45	7	5	-	-	9	9	4000	0	*
Portland Bill ...	22·5	-22	W	5	o	48	85	44	8	5	-	-	10	10	4000	1	5
Plymouth ...	25·8	-18	NW	5	c	48	85	45	7	5	3	-	7·8	9	2000	0	2
The Lizard ...	27·6	-4	NW	4	c	49	92	47	7	5	-	-	9+	9+	2000	0	4
Scilly (St. Mary's)	28·6	-8	WNW	5	c	49	85	45	7	5	-	-	9+	9+	1600	0	4
Guernsey ...																	
Pembroke ...	22·2	-28	W'N	7	c-bcq	49	92	47	8	2	4	-	4-6	7·8	2500	0	2
Holyhead (Valley)	15·7	-34	WSW	8	c	50	85	45	7	5	7	-	2-3	9	3500	1	7
Chester (Sealand)	11·9	-30	W	8	c	54	65	44	8	5	-	-	9+	9+	2000	0	*
Manchester ...	11·1	-32	W	7	c	51	75	43	7	5	2	-	9	10	1000	1	*
Spurn Head ...	03·2	-66	W	8	cq	51	75	43	6	6	2	-	7·8	10	800	0	
Catterick (Sc.) ...	02·1	-62	WSW	7	c-bc	53	75	45	8	8	3	2	4·6	7·8	1500	1	*
Tynemouth ...	00·3	-28	W	8	c-bcq	53	65	42	7	8	-	-	7·8	7·8	1500	1	4
St. Abbs Head	96·4	+8	W	8	c-bc	49	85	45	7	5	4	-	4·6	7·8	2500	0	6
Leuchars ...	97·8	+14	WNW	8	bc	47	65	36	8	5	-	8	2-3	4·6	2500	0	*
Renfrew (Abbots L.)	05·3	+10	W	6	c/pr	47	75	41	7	8	6	5	7·8	9	1800	1	*
Eskdalemuir ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Point of Ayre ...	09·2	-26	NW'N	8	c/pr	50	92	48	7	6	7	-	7·8	10	800	1	5
Tiree ...	09·7	+26	NW'N	9	c/pr	46	75	39	7	8	-	-	9	9	2500	1	7
Stornoway ...	04·4	+50	NNW	8	pr	42	85	39	8	8	-	-	7·8	7·8	2200	1	5
Dalwhinnie ...	93·0	-4	NW	4	pr	40	75	34	6	5	-	-	9+	9+	2500	1	*
Aberdeen † ...	93·2	-10	NW	5	pr	46	75	39	7	9	-	-	9+	9+	1000	1	3
Wick ...	92·0	+8	NW	7	cbc/pr	44	92	42	6	8	-	-	7·8	7·8	2500	1	*
Sumburgh ...	94·6	+108	NE'E	5	c/pr/ps	36	97	36	7	9	6	-	7·8	9+	1200	4	4
Blacksod Point	24·4	+2	WNW	6	c	52	85	48	7	6	-	-	10	10	1500	0	5
Malin Head ...	14·2	+10	W'N	8	cq	50	75	43	6	8	-	-	4·6	10	1500	1	7
Aldergrove ...	14·4	-4	W'N	6	c/f	49	85	45	6	5	3	-	9+	9+	1200	1	*
Birr Castle ...	22·7	-10	W	4	c	50	85	46	8	8	7	-	7·8	10	1500	1	*
Valentia Obsy.	30·2	-2	NW'N	4	c/d	50	92	48	7	5	-	-	9+	9+	1500	1	4
Roches Point	26·8	-12	WNW	5	bc	50	85	46	8	5	-	-	4·6	4·6	2500	0	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 6th ... Hrs. (38)
London (Kew)	52	42	34	Tr	-	6·6
Croydon ...	52	42	39	-	Tr	7·4
S. Farnborough	53	42	34	-	-	8·5
Boscombe Down	51	40	35	-	-	6·3
Thorney Island	50	43	37	-	-	*
Lympne ...	53	36	31	-	-	8·2
Manston ...	53	39	36	-	-	7·3
Shoeburyness ...	54	38	30	-	-	6·7
Felixstowe ...	52	34	35	Tr	-	8·6
Gorleston ...	51	36	36	0·4	Tr	6·6
Mildenhall ...	51	35	28	-	Tr	5·7
Cranwell ...	51	36	30	-	-	7·1
Birmingham ...	49	40	37	Tr	Tr	5·7
Upper Heyford	51	40	34	Tr	-	*
Ross-on-Wye	50	43	38	-	-	5·4
Hartland Point	48	46	40	-	-	10·5
Bristol ...	52	42	35	Tr	-	5·8
Portland Bill ...	52	48	*	-	-	*
Plymouth ...	52	44	36	-	-	8·7
The Lizard ...	50	45	*	-	-	7·4
Scilly (St. Mary's)	54	46	*	-	-	9·0
Pembroke ...	51	46	*	-	-	7·7
Holyhead (Valley)	52	46	45	-	-	*
Chester (Sealand)	50	44	42	0·3	-	8·7
Manchester ...	47	41	39	0·6	Tr	*
Spurn Head ...	49	38	*	Tr	-	7·4
Catterick (Sc.) ...	49	39	31	Tr	Tr	8·9
Tynemouth ...	48	38	33	-	0·3	*
St. Abbs Head	44	38	*	Tr	Tr	*
Leuchars ...	47	43	37	-	Tr	8·0
Renfrew (Abbots L.)	48	41	39	0·3	1	8·5
Eskdalemuir ...	46			0·1		
Point of Ayre ...	49	44	*	0·5	0·3	4·3
Tiree ...	46	39	35	0·4	0·4	1·1
Stornoway ...	42	37	35	1	8	2·2
Dalwhinnie ...	38	34	32	1	5	2·7
Aberdeen † ...	41	43	40	2	1	4·9
Wick ...	36	30	32	7	10	*
Sumburgh ...	37	28	29	0·3	14	3·4
Blacksod Point	51	48	*	-	-	*
Malin Head ...	47	46		0·3	0·4	3·6
Aldergrove ...	50	43	42	0·1	0·2	4·1
Birr Castle ...	53	46	44	-	-	5·7
Valentia Obsy.	52	48	45	Tr	Tr	3·9
Roches Point	53	46	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th April ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	01854	61784	52	26847	27588
115	37	27844	65586	52	83735	32488
203	8-	80847	28587	5-	62848	26488
205	90	26843	61583	82	02854	26287
210	3-	26854	61484	8-	26958	24388
219	7-	02864	61686	52	61855	25588
230	8-	25855	63585	97	25855	26387
245	90	85635	28687	36	27854	27185
260	2-	02856	26426	54	01964	28324
278	83	14854	61885	96	02857	62617
279	26	25955	27785			
285						
288	8-	25856	58586	5-	02757	65427
575	86	02855	63485	87	02743	64327
301	86	25834	63685	86	02754	61685
321	86	81755	59686	86	01754	57584
2.2	80	02745	26515	80	02745	30615
292	2-	12966	59526	96	12966	65527
310	--	01634	26514			
614	2-	05655	57527	7-	02765	61587

01h. G.M.T. 7th April ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	68428	16478	9-	25647	65987
52	65635	91868	37	81744	95877
5-	62658	22568	5-	61754	57864
02	64658	22468	2-	02645	61765
5-	62648	58968	9-	25747	62987
52	22646	55668	9-	25657	59787
5-	62758	21468	50	01853	26663
			10	01753	58714
5-	02745	56665	9-	21844	59864
02	22648	57668	80	05654	61964
			27	81745	24886
52	02755	21567	5-	02877	59827
5-	02748	57428	62	62525	59568
52	22656	26668	52	58647	57828
02	02758	24428	5-	05648	57628
50	01755	30415			
5-	05648	26368	5-	61847	59668
			--	02628	26728
02	05690	24428	52	61645	55568

13h. G.M.T. 6th April ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	26	01863	59684	83	81864	61585
334	--	02646	28317			
340	55	57426	20349	76	25754	61384
136	90	14756	24616	8-	81857	28787
336	57	02855	28517	70	01754	28414
350	8-	02854	60526	8-	25854	59586
368	8-	02856	28416	5-	02855	24515
379	8-	02844	59525	8-	81855	61586
390	26	02755	60627	86	02755	61626
382	47	02955	60426	86	02854	63525
438	2-	01764	30514	87	02765	28516
430	5-	02756	59426	53	02854	59525
409	70	01854	61614	86	01853	61414

01h. G.M.T. 7th April ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
07	05690	56424	57	02765	55666
			--	02646	26617
			54	02855	57527
50	01863	24315	5-	02755	22628
			57	02754	28516
5-	05657	24327	57	02744	24427
50	01662	26302	53	05625	56617
5-	02665	28385	50	01743	57534
07	05590	24403	57	05643	56628
51	02774	26385	57	02763	57623
50	01762	28312	87	02754	24625
5-	01861	26211	50	02754	55426
14	01663	60414	53	02755	59527

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 7th April
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 ...	b, cy	cp6cy	cbcby	
Croydon ...	bycy	cy	abycdo	Kew 24 hours ended 7th Max. Time
Greenwich ...	bccy	cy	cbcq	
Camden Square	bc	c	*	0·2 3-4hr
Kensington ...	bc	bc	*	Min. Time
Hampstead ...	bc	o	o	<0·1 7-24th 6th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	52	42	34	Tr	-	6·6	*	*
Croydon ...	52	42	39	-	Tr	7·4	*	*
Greenwich ...	52	42	34	-	-	5·9	37	66
Westminster ...	54	43	35	-			42	70
Regents Park ...	52	42	39	-	-		39	69
Camden Square	53	43	36	-	-	*	*	73
Kensington ...	54	42	36	-	-		50	71
Hampstead ...	57	40	33	-	-		*	77

Page 1

SECRET

BRITISH SECTION

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

Thursday 8th April 1943

No. 29722

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

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)	09·3	-8	NW'W	6	c-bc	58	35	33	7	8	-	-	7-8	7-8	2500
	Croydon	10·2	-18	NW	7	bc/r	57	55	40	6	2	-	-	4-6	4-6	2500
	S. Farnborough	10·2	-22	NW	7	pr	58	55	42	8	8	-	3	7-8	9	2000
	Boscombe Down	12·4	-14	NW	7	c-bc	55	65	43	8	2	-	-	7-8	7-8	2000
	Thorney Island	11·8	-48	W'N	7	ir	56	65	45	8	5	-	-	4-6	9+	2500
	Lympne	06·0	-40	WNW	6	b-bc/r	55	75	46	7	2	-	-	2-3	2-3	2000
	Manston	05·1	-36	NW'N	7	c	56	55	41	8	8	-	-	9	9	3000
2	Shoeburyness	06·7	-18	WNW	7	z	58	85	52	6	5	-	-	7-8	7-8	800
	Felixstowe	04·1	-10	NW'W	8	z	55	65	42	5	5	-	-	9+	9+	4000
	Gorleston	00·8	-16	NW	8	cq	54	35	33	7	9	-	-	9+	9+	2000
	Mildenhall	05·2	-8	NW	7	kz	53	45	33	4	5	-	-	4-6	10	1800
	Cranwell	07·3	+18	NW'W	7	c-bc/phr	46	75	40	8	3	-	-	4-6	7-8	800
3	Birmingham	11·1	+4	NW	7	b-bc	52	55	37	8	1	-	-	2-3	2-3	2500
	Upper Heyford	10·5	+6	NW	8	c-bc	55	*	*	7	2	-	-	7-8	7-8	3000
4	Ross-on-Wye	13·7	+6	NW'N	6	bcq	57	45	35	8	1	-	-	4-6	4-6	3500
5	Hartland Point	20·3	-4	WNW	5	c	50	75		7	5	-	-	9	9	1700
	Bristol	15·7	-6	NW'W	8	c-bc/r	45	85	39	8	2	-	-	7-8	7-8	2500
	Portland Bill	15·6	-22	W	5	c	53	92	49	8	5	-	-	10	10	4000
	Plymouth	21·5	-14	WNW	6	c	55	75	49	8	5	-	-	9	9+	1800
	The Lizard	24·3	-10	WNW	6	bc	53	85	49	8	2	-	-	4-6	4-6	3000
	Scilly (St. Mary's)	25·3	-20	WNW	7	c-bc	53	85	47	6	5	4	-	2-3	7-8	1000
	Guernsey															
6	Pembroke	21·2	+6	NW	6	rr	51	97	50	7	8	-	-	9+	9+	2000
7	Holyhead (Valley)	18·9	+30	NWN	8	bc	50	65	38	8	8	-	-	4-6	4-6	2000
	Chester (Sealand)	14·2	+26	N	7	c	51	65	40	8	8	-	-	9	9	2000
8	Manchester	11·6	+30	WNW	7	c-bc	52	65	38	7	2	6	-	7-8	7-8	2500
10	Spurn Head	05·4	+26	WNW	9	c-bcq	47	*	*	7	3	-	-	7-8	7-8	1500
	Catterick (Sc)	07·2	+32	N	8	c/pr	51	55	38	8	8	-	-	9	9	2000
	Tynemouth	08·5	+80	NNW	9	bcq	45	65	33	5	2	-	-	4-6	4-6	2500
11	St. Abbs Head	10·7	+24	NNW	8	bc/pr	41	92	39	7	1	-	-	4-6	4-6	2500
	Leuchars	13·8	+58	NNW	4	bcq	45	75	38	8	2	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	15·5	+72	WNW	6	c-bc	50	55	36	9	2	-	-	7-8	7-8	2500
	Eskdalemuir															
	Point of Ayre	16·1	+70	N'W	8	b	50	65	39	8	4	-	-	1	1	2000
13A	Tiree	21·5	+46	N'W	7	c-bc	46	55	31	8	2	6	-	7-8	7-8	3000
13B	Stornoway	28·5	+56	NW	7	pr	40	85	35	8	8	-	-	7-8	7-8	1500
15	Dalwhinnie	17·5	+66	NNW	4	c	37	75	29	8	5	-	-	9+	9+	2500
	Aberdeen	13·0	+82	N'W	6	c-bc/phr	40	85	35	8	9	6	-	7-8	7-8	1500
	Wick	14·6	+68	N	7	phr	37	85	33	5	9	-	-	10	10	2500
16	Sumburgh	11·0	+54	NNW	7	c	36	75	29	8	4	-	-	9+	9+	2000
17	Blacksod Point	28·0	+20	NW'N	5	bc	53	65	42	7	8	-	-	4-6	4-6	1500
18	Malin Head	22·3	+40	N	6	c-bc/pr	48	65	37	8	8	-	-	7-8	7-8	1500
	Aldergrove	20·5	+42	NW	7	c-bc	51	55	35	7	1	-	-	7-8	7-8	2500
19	Birr Castle	24·1	+10	NW	5	c-bc	55	55	40	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	30·6	+2	NNW	5	ir	52	85	48	6	5	-	-	10	10	1500
	Roches Point	24·8	-6	NW	6	c	55	85	51	8	8	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 7th April — 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. 7th (39)	13h.–18h. 7th (40)	18h. 7th to 1h. 8th (41)	1h.–7h. 8th (42)
London (Kew)	16·3	+34	N	5	bc	51	35	26	7	8	-	-	4-6	4-6	2500	0	*	crbcy	ckqrbcy	bcybz	bbccbcy
Croydon	16·5	+42	N	5	bc	51	45	30	6	4	-	-	4-6	4-6	2000	0	*	cirbczy	cyprbcz	bczbzy	cybczy
S. Farnborough	16·6	+18	NNW	5	c-bc	51	55	34	7	8	-	-	7-8	7-8	2000	0	*	cbccrprj	kzcjkzprbc	ybccz	cbcz
Boscombe Down	18·8	+46	NNW	6	b-bc	50	45	31	8	1	-	-	2-3	2-3	2500	0	*	cidc	cbbcy	bcyb	bbc
Thorney Island	15·8	+38	NW	5	cjp	53	45	34	8	8	-	-	9	9	2500	0	*	bcc	ccbccjpcy	cybc	bcc
Lympne	14·1	+50	NNW	8	b-bc	47	45	28	8	2	-	-	2-3	2-3	1500	0	§5	ccr	cpry	byb	b, cbcc
Manston	13·2	+54	N'W	7	b-bc	46	55	31	7	2	-	-	2-3	2-3	3000	0	*	circ	cprqbzy	bcpr	c
Shoeburyness	16·0	+46	NNW	6	b-bc	46	55	31	8	2	-	-	2-3	2-3	1500	0	*	circm	cbcy.	bcy	bcc
Felixstowe	13·6	+62	NNW	7	bcjp	46	65	34	7	1	-	-	4-6	4-6	2500	0	6	crrmcz	cprbc	bcprbcy	cphcprc
Gorleston	11·4	+66	NNW	7	bc[illegible]	44	65	31	7	8	-	-	4-6	4-6	1800	0	5	cq	bcprq	cprq	cprs
Mildenhall	16·1	+68	N'W	7	b-bc	44	55	27	8	2	-	-	2-3	2-3	2500	0	*	cdrckzy	cyprkzby	byc	c
Cranwell	18·6	+78	N'W	6	bc	44	65	33	7	8	-	-	4-6	4-6	2500	0	*	cmircphrc	czbczbc	bc, b, bc	bcbbczc
Birmingham	19·2	+46	NNW	5	bc	47	65	36	8	5	7	-	4-6	4-6	2500	0	*	cprbc	bc	bc	bccm
Upper Heyford	17·1	+38	N'W	7	pr	48	65	34	6	8	6	-	4-6	9	2500	0	*	crrbcy	cprkqc	cprc	cmbcm
Ross-on-Wye	20·0	+34	NW'N	5	b	49	55	32	8	8	-	-	1	1	3500	0	*	ccq, bcq	bcqy	byb	bbcc
Hartland Point	23·7	+16	N	5	bc	50	75	41	7	1	4	-	1	4-6	2500	0	5	cbcc	cbc	bcbbc	bc
Bristol	20·1	+30	NNE	6	b	51	75	41	8	4	-	-	1	1	2500	0	*	qccpr, crq	cqbcy	bbyb	bbc
Portland Bill	19·2	+18	NW	5	c-bc	53	92	49	8	2	-	-	7-8	7-8	4000	1	5	c	cc	bc	c
Plymouth	23·5	+26	N'W	6	b-bc	53	55	39	8	1	-	-	2-3	2-3	2000	0	3	cbcmbbc	cbcy	bbc	bbc
The Lizard	22·8	-4	WNW	7	c	53	85	47	8	2	-	-	7-8	9+	2000	0	5	cbc	bccq	bc	bc
Scilly (St. Mary's)	25·6	-2	NW	6	c	53	85	48	7	8	6	3	7-8	9+	1200	0	5	cbcc	cbcc	cbcb	bbc
Guernsey																					
Pembroke	24·9	+16	N	6	b-bcq	50	75	41	7	1	-	-	2-3	2-3	3000	0	3	cqrrr	bcq	c	cbc
Holyhead (Valley)	24·5	+44	NWN	7	b-bc	47	55	31	8	4	4	-	2-3	2-3	3000	1	7	c	bc	bcy	bcc
Chester (Sealand)	20·8	+32	NNW	7	b-bc	47	65	36	7	4	-	-	2-3	2-3	3000	0	*	cprpr	c, bcy	bcb	bcbcm
Manchester	18·9	+26	NW	5	z	47	65	35	6	2	6	-	4-6	7-8	2500	1	*	irirpr	cybcz	bcbzm	bzmx
Spurn Head	16·3	+38	NNW	8	PHR	43	65	31	7	2	-	-	4-6	4-6	1500	0	5	prcq	cphr	cphrq	phrc
Catterick (Sc)	19·1	+48	NNE	5	c	44	75	35	8	4	6	-	7-8	9	2500	0	*	cbccprc	bcpcq.	c	c
Tynemouth	17·9	+24	NNW	9	c-bcq	42	55	28	7	2	3	-	4-6	7-8	2500	1	6	cbcq	cjmprc	cq	cq
St. Abbs Head	18·2	+24	NW	8	c	40	75	32	7	7	-	-	9	9	2500	0	6	bcqprc	cprbcc	c	
Leuchars	20·0	+46	NW	5	bc	43	65	31	8	8	6	-	4-6	4-6	3000	0	*	bcybcypr	bccybc	bcyc	c
Renfrew (Abbots I.)	22·1	+38	WNW	5	bc	44	55	31	8	8	-	-	4-6	4-6	2500	1	*	cprbcy	bcycybcy	bcb	bbcc
Eskdalemuir																					
Point of Ayre	22·5	+34	N'W	7	b	46	65	34	8	4	-	-	2-3	2-3	2000	0	5	cbq	bq	b	bc
Tiree	26·1	+20	NNW	6	bc	43	65	31	9	8	-	-	4-6	4-6	4500	0	5	bccphbc	cbcy	bcc	cididro
Stornoway	25·2	+22	NNW	4	c	39	85	35	8	7	-	-	10	10	2200	-1	3	cprph	cprc	cbc	cirid
Dalwhinnie	24·0	+32	NNW	3	c	35	75	26	8	5	-	-	9+	9+	2500	1	*	cprs	cprsph		co
Aberdeen	20·0	+36	NNW	5	c	37	75	29	8	5	-	-	10	10	2000	1	4	cprhprsc	cprsps	co	c
Wick	20·5	+18	NW	5	phr	35	85	29	7	8	-	-	9+	9+	1800	1	*	cphcpscphm	cpscph	c	c
Sumburgh	18·5	+38	NNW	6	ps	34	85	31	8	9	-	-	9+	9+	1500	1	5	psc	cphs	cpsc	c
Blacksod Point	31·2	+10	N'W	4	bc	50	65	39	8	8	-	-	2-3	4-6	2500	0	3	bc	bc	bc	d
Malin Head	26·2	+22	N'W	5	c-bc	45	65	34	8	8	-	-	7-8	7-8	1500	1	4	pr	pr	pr	r
Aldergrove	25·5	+28	NW'N	4	c-bc	45	65	32	8	4	-	-	7-8	7-8	2000	1	*	bcprcy	cybc	bccbc	c
Birr Castle	27·9	+24	NNW	3	c-bc	51	55	36	8	8	7	-	4-6	7-8	1500	1	*	pr	bc		c
Valentia Obsy.	31·4	+10	N'W	5	c/r	51	85	46	8	5	-	-	9+	9+	1500	1	4	r	pr	bc	r
Roches Point	27·7	+18	NNW	6	bc	54	85	49	8	5	-	1	4-6	4-6	1500	0	4	pr	c	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 8th April 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	Moderate north to northwest winds, fresh to strong near East Coast later; cloudy; local light rain later; rather cold.
8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate to fresh westerly winds, veering northwest later; strong to gale in east later; cloudy; occasional rain; rather cold.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh to strong westerly winds, gale at times, veering northwest; winds moderating later; cloudy; rain at first; showers 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	Moderate westerly winds; cloudy; local light rain; rather cold.

GENERAL INFERENCE

An anticyclone will persist southwest of the British Isles and a deepening depression north of the Faroes will move southeast with associated troughs crossing the British Isles. Weather will be cloudy generally and rather cold with local light rain in the South and more general rain in the North. There will be gales in northern districts.

FURTHER OUTLOOK

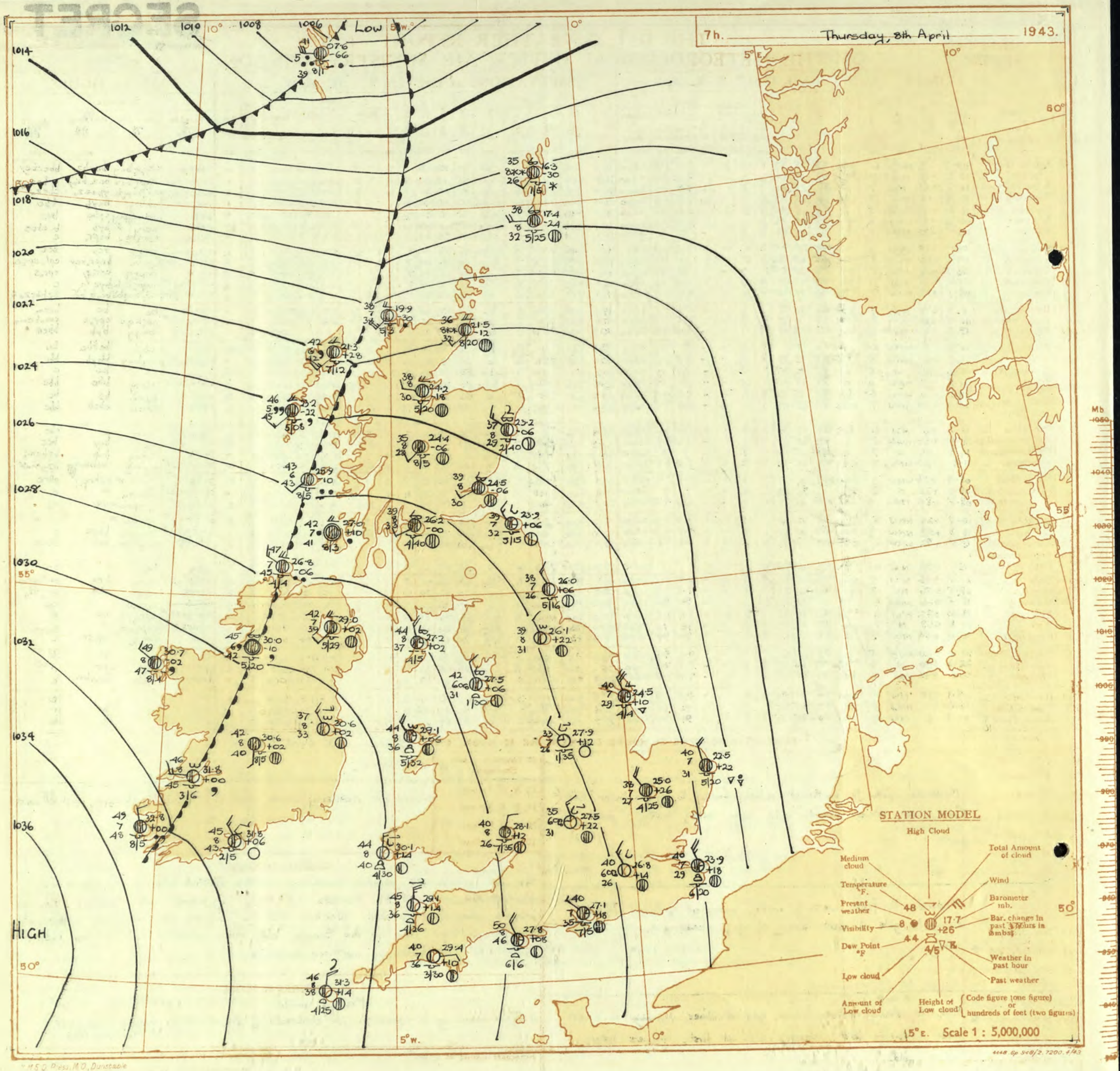
Mainly similar

Gale warning in operation, in districts 11, 13b, 15 and 16. Issued 0535 G.M.T. 8th April, 1943

Forecasts issued at 1030.

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

7h. Thursday, 8th April 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).

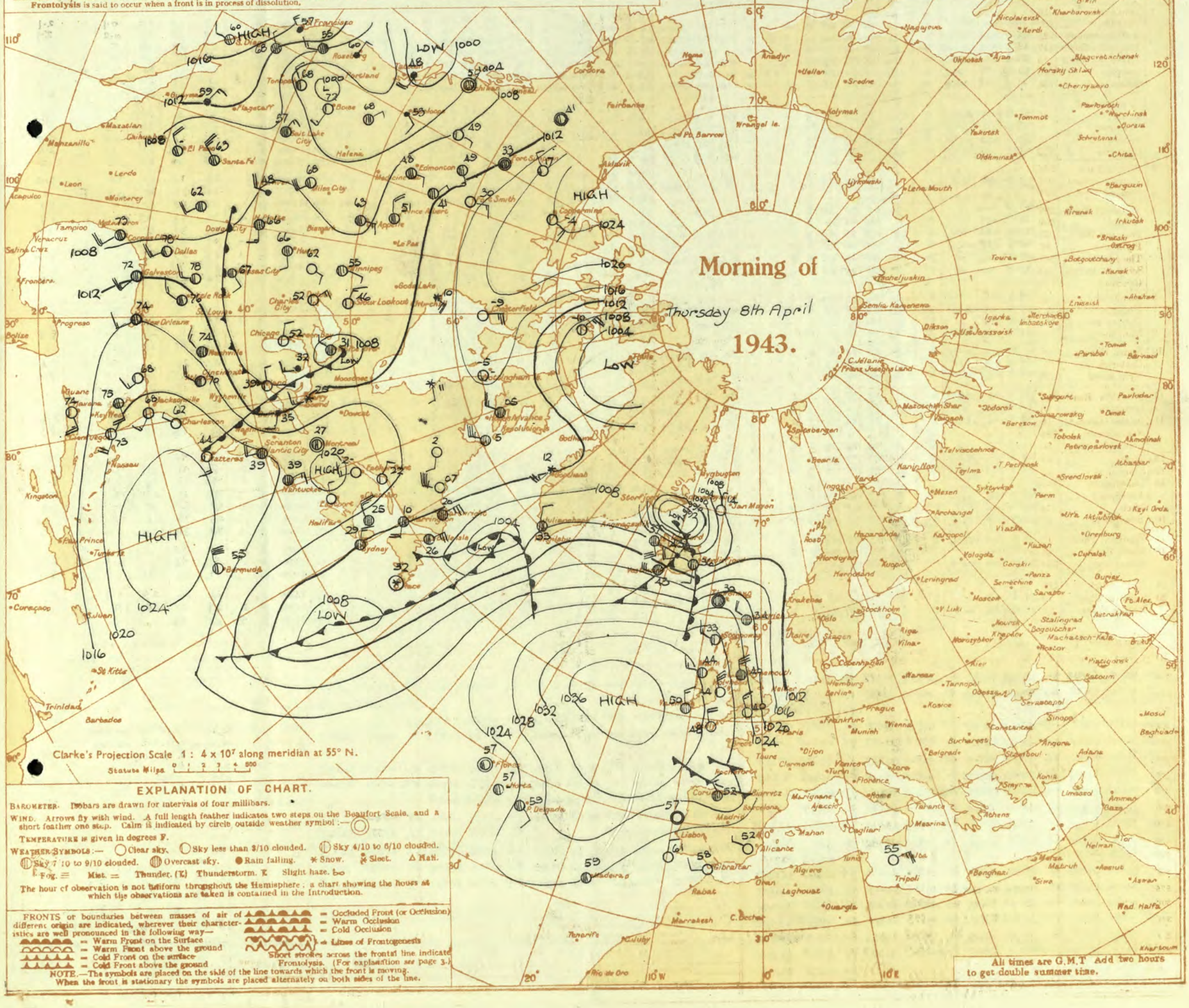
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (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 two hours to get double summer time.

BRITISH SECTION

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

Thursday 8th April 1943

No. 29722

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon	290	24.7	+16	NNW	3	Zo	40	55	27	6	5	-	-	Tr	Tr	5000
	S. Farnborough	226	25.0	+28	N'W	2	Zo	40	65	30	6	5	7	-	7-8	9+	3000
	Boscombe Down	417	25.3	+18	NW'N	2	b	37	75	31	8	5	-	-	1	1	2500
	Thorney Island	10	24.6	+20	N	2	bc	41	75	33	7	4	-	-	4-6	4-6	4000
	Lympne	283	22.0	+18	NW	4	b-bc	37	75	28	7	-	7	-	0	2-3	-
	Manston	154	21.1	+28	NNW	6	c/pr	41	55	26	8	8	-	-	10	10	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	20.3	+14	NNW	6	c-bc	42	55	28	8	5	-	-	7-8	7-8	4000
	Gorleston	5	18.6	+16	N'W	6	pr	40	65	30	7	9	-	-	7-8	7-8	1500
	Mildenhall	15	23.0	+20	NW'N	4	c	39	65	26	7	5	-	-	9+	9+	5200
	Cranwell	203	23.2	+14	N'W	2	b-bc	36	75	30	7	5	-	-	2-3	2-3	3000
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.3	+18	N'E	1	c	38	75	33	7	5	-	-	9	9	2600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27.9	+10	N	4	b-bc	45	75	36	8	-	4	-	0	2-3	*
	Bristol	209	26.3	+18	NW	3	b	40	65	30	7	5	-	-	1	1	4000
	Portland Bill	32	25.6	+22	NW	4	bc	45	85	40	8	5	-	-	4-6	4-6	4000
	Plymouth	82	28.6	+18	NNW	2	b	44	65	35	7	5	-	-	1	1	2500
	The Lizard	240	28.5	+10	N	3	bc	44	85	39	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	29.8	+10	N	4	b	48	75	40	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	28.2	+6	NNE	3	c	46	75	40	8	8	-	-	10	10	2500
7	Holyhead (Valley)	32	27.6	+4	NNW	6	bc	44	55	39	8	5	-	-	4-6	4-6	4300
	Chester (Sealand)	16	25.6	+14	W	4	b	41	75	33	7	-	-	-	0	0	-
8	Manchester	235	25.1	+16	NW'W	2	Zo	34	85	31	5	-	-	-	0	0	*
10	Spurn Head	29	21.5	+12	NNW	8	cq	39	75	31	6	3	-	-	10	10	1500
	Catterick (Sc)	192	24.0	+12	N	3	c	38	75	32	8	5	-	-	9	9	2000
	Tynemouth	108	24.3	+16	NNW	6	c-bcq	40	55	26	7	8	-	-	7-8	7-8	1500
11	St. Abbs Head	280	23.4	+6	NNW	6	c	39	75	30	7	5	-	-	9+	9+	2500
	Leuchars	36	24.8	+10	NW	2	c	39	65	27	8	5	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	19	25.9	+6	SW	2	b	35	85	30	7	5	-	2	Tr	1	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	26.7	+14	N	5	b	42	75	34	8	4	-	-	Tr	Tr	2000
13A	Tiree	44	28.0	+4	NNW	4	c	42	75	34	8	5	7	-	2-3	10	3000
13B	Stornoway	15	26.5	+4	WNW	3	bc	33	97	32	7	5	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23.1	+6	NNW	4	c	36	75	30	7	5	-	-	10	10	3800
	Wick	114	23.4	+2	NW	3	c-bc	36	65	23	8	8	-	-	7-8	7-8	3100
16	Sumburgh	19	20.7	+4	NW	4	c/ps	34	97	33	7	8	-	-	10	10	1500
17	Blacksod Point	18	31.8	+2	NNW	2	bc	47	85	43	7	8	-	-	4-6	4-6	2500
18	Malin Head	84	28.1	+6	W	3	c-bc	44	85	40	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	28.9	+10	NW'N	1	b-bc	39	75	34	8	5	-	-	2-3	2-3	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	33.0	+2	N	3	c	50	85	46	8	5	-	-	10	10	2500
	Roches Point	22	31.6	+6	N'W	4	b	46	85	42	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 8th April — 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)	Temp. Max. Day 7h–18h °F. (33)	Temp. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
London (Kew)	26.9	+14	NNW	3	Zo	40	55	26	6	5	-	-	2-3	2-3	4000	0	*	58	39	29	0.1	-	2.1
Croydon	26.8	+14	NNW	3	Zo	40	55	26	6	-	4	-	0	2-3	-	0	*	58	38	34	0.2	-	2.1
S. Farnborough	27.5	+18	N'W	3	Zo	40	65	29	6	-	7	-	0	7-8	-	0	*	59	39	36	Tr	-	3.9
Boscombe Down	28.3	+22	NNW	3	c-bc	36	75	31	7	5	-	-	7-8	7-8	6000	0	*	59	35	30	Tr	-	6.4
Thorney Island	27.1	+18	WNW	1	c	40	85	35	7	5	-	-	9+	9+	2500	0	*	60	38	32	-	-	*
Lympne	24.6	+16	NNW	3	c-bc	38	65	28	8	5	-	-	7-8	7-8	3000	0	§3	58	35	32	0.1	-	2.9
Manston	23.9	+18	NNW	5	c	40	65	29	7	8	-	-	9	9	2000	0	*	58	39	39	Tr	-	2.7
Shoeburyness	25.1	+20	NW	4	c-bc	39	65	28	7	5	3	-	4-6	7-8	4000	1	*	59	36	31	Tr	-	3.9
Felixstowe	24.2	+22	NW	4	c/pr	37	85	34	7	5	-	-	10	10	4800	0	3	57	37	36	0.5	0.1	5.[illegible]
Gorleston	22.5	+22	NNW	4	c/pr	40	75	31	7	5	-	-	7-8	10	2000	0	4	54	37	35	0.5	1	4.3
Mildenhall	25.0	+26	NW	4	c	38	65	27	7	5	-	-	4-6	10	2500	0	*	57	37	33	1	-	3.6
Cranwell	26.0	+10	NW	3	c	38	75	30	7	5	-	-	10	10	4500	0	*	55	34	30	0.5	-	5.2
Birmingham	27.7	+12	NNW	2	m	36	65	26	4	5	-	-	9	9	4000	0	*	54	34	29	Tr	-	6.0
Upper Heyford	27.5	+22	N'W	3	Zo	35	85	31	6	-	4	1	0	1	-	0	*	55	34	29	0.5	Tr	*
Ross-on-Wye	28.1	+12	N'E	2	c	40	55	26	8	5	-	-	9+	9+	3500	0	*	57	38	31	-	-	8.1
Hartland Point	29.1	+14	N	5	bc	45	75	36	8	4	-	1	4-6	4-6	2600	0	4	52	43	43	-	-	3.8
Bristol	28.9	+20	NNW	3	c	40	65	30	7	5	-	-	9	9	4000	0	*	56	35	28	0.5	-	7.0
Portland Bill	27.[illegible]	+8	NW	4	c	50	85	46	8	4	-	-	9	9	4000	1	4	53	43	*	-	-	*
Plymouth	29.4	+10	E	1	b-bc	40	85	36	7	5	-	-	2-3	2-3	3000	0	2	58	39	27	-	-	8.0
The Lizard	29.7	+12	N	3	bc	43	92	41	8	8	6	-	4-6	4-6	2000	0	3	54	40	*	-	-	5.7
Scilly (St. Mary's)	31.3	+14	N	4	bc	46	75	38	8	1	-	4	4-6	4-6	2500	0	4	54	46	*	-	-	5.8
Guernsey																							
Pembroke	30.1	+14	N	3	bc	44	85	38	8	2	4	1	4-6	4-6	3000	0	3	56	43	*	Tr	-	6.6
Holyhead (Valley)	29.1	+6	NW'N	4	c	44	75	36	8	8	3	-	7-8	9+	3200	1	3	54	42	39	1	-	*
Chester (Sealand)	27.7	+6	W'N	1	bc	38	75	33	7	5	3	-	2-3	4-6	2500	0	*	55	36	26	3	-	8.4
Manchester	27.5	+6	-	0	m	32	85	27	4	5	-	-	Tr	Tr	4000	1	*	52	27	18	0.3	-	*
Spurn Head	24.5	+10	NW'N	6	c	40	65	29	7	5	2	-	4-6	9+	1500	1	5	53	39	*	Tr	Tr	5.4
Catterick (Sc)	26.1	+22	NW	2	bc	39	75	31	8	-	3	-	0	4-6	-	0	*	53	35	30	0.4	-	8.0
Tynemouth	26.0	+6	NW	3	c-bc	38	65	26	7	5	-	-	7-8	7-8	1600	0	4	53	38	37	0.2	-	*
St. Abbs Head	23.9	+6	NW	3	c	39	75	32	7	5	4	-	7-8	9	1500	0	4	50	37	*	Tr	-	*
Leuchars	24.5	-6	WSW	2	c	39	75	30	8	-	7	-	0	10	-	0	*	51	38	31	Tr	-	8.6
Renfrew (Abbots I.)	26.2	0	WSW	2	c	39	75	33	8	5	7	-	4-6	10	4000	1	*	51	33	27	0.1	-	8.7
Eskdalemuir																	*						
Point of Ayre	27.2	+2	NW	4	c	44	75	37	8	6	7	-	4-6	9+	1500	0	4	51	42	*	-	-	10.2
Tiree	25.9	-10	SW	2	o/r	43	97	43	6	5	-	-	10	10	2500	1	2	48	41	39	Tr	0.2	6.5
Stornoway	21.3	-28	SW	5	id.	42	97	42	6	5	2	-	9+	10	1200	3	3	43	33	30	0.3	Tr	1.3
Dalwhinnie	24.4	-6	SW	2	o	35	75	28	8	5	-	-	10	10	2500	0	*	42	31	25	2	-	2.0
Aberdeen †	23.2	-6	WNW	3	c-bc	37	75	29	8	5	7	6	1	7-8	4000	1	2	47	35	31	1	-	3.5
Wick	21.5	-12	SW	1	SoSo	36	85	32	8	-	2	-	10	10	2000	1	*	43	34	31	1	0.3	*
Sumburgh	17.4	-24	W	4	c	38	75	32	8	5	7	-	7-8	10	2500	0	4	38	31	29	0.4	0.1	1.7
Blacksod Point	30.7	-2	WNW	2	c	49	92	47	8	6	-	-	10	10	1500	1	2	53	43	*	0.1	.1	*
Malin Head	26.8	-6	WNW	3	c/r	47	92	45	7	5	2	-	4-6	10	1500	1	3	51	43		0.4	Tr	4.0
Aldergrove	29.0	+2	SW'W	2	c	42	85	39	7	5	2	-	7-8	10	2900	1	*	51	38	31	0.1	-	8.2
Birr Castle	30.6	+2	S	1	c	42	92	40	8	5	-	-	10	10	2500	1	*	55	36	29	0.4	0.1	5.1
Valentia Obsy.	32.8	0	NNW	2	c/d	49	97	48	7	5	-	-	10	10	2500	0	2	54	48	46	Tr	0.1	0.6
Roches Point	31.8	+6	NW	3	bc	45	92	43	8	5	4	5	1	4-6	2500	1	4	55	44	*	Tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th April — 18h. G.M.T. — 01h. G.M.T. 8th April — 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	8-	88748	62788	8-	02747	62687	5-	02768	27488	02	51848	22328
115	32	25745	99687	62	88845	65888	82	02844	28487	52	02735	20568
203										5-	03848	86528
206	3-	27856	63786	--9-	85647	28387	57	02855	28157	52	02855	24228
210	86	25844	63787	8-	02757	62587	8-	81758	62488	05	02809	20328
219	7-	02856	62886	86	10964	31514	51	02864	27328	52	52535	19358
23[illegible]	8-	25855	62785	8-	01965	28525	5-	01864	29404	5-	02858	21228
24[illegible]	3-	81855	34785	86	02965	63686	5-	02965	28315	77	02851	22327
26[illegible]	26	01853	63163	50	01854	28414	5-	02755	32325	5-	05667	25117
27[illegible]	80	01854	61724	40	01853	28713	54	01863	29414	53	02866	28227
27[illegible]	20	01854	63884	14	02965	29426	50	01863	28223	17	02861	20126
28[illegible]	20	01855	28715							53	01853	32314
28[illegible]	8-	02755	65725	47	05655	64427	5-	02855	30425	54	05665	25227
57[illegible]	8-	25654	63685	20	01854	02424	80	01753	32223	57	51645	00098
30[illegible]	53	02754	61885	40	01864	63614	00	05690	30310	17	17661	30215
32[illegible]	86	25754	63684	86	25754	63784	40	01773	30413	5-	05667	28427
2[illegible]	8-	14645	51815	80	14745	32815	8-	14748	32828	8-	14747	32627
29[illegible]	2-	12765	65785	2-	02866	65516	5-	02767	31227	57	01865	30226
310	--	02626	24626							--	01633	26316
61[illegible]	20	05654	50714	40	01763	65513	00	05690	28210	50	05565	24125

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)
33[illegible]	5-	02867	61767	44	01862	64812	50	02865	64615	57	02855	31327
334	--	02744	30615							--	02645	02116
34[illegible]	5-	02757	63927	40	01854	65624	00	01790	30302			
13[illegible]	80	25644	24884	8-	81746	28786	8-	81768	32788	8-	02755	30487
336												
35[illegible]	2-	02855	60825	2-	01764	63514	50	01763	32213	5-	05675	30225
36[illegible]	80	22754	61564	10	02862	68512	00	05690	28200	54	01844	28104
37[illegible]	20	25744	61864	8-	02744	63626	5-	05668	30418			
39[illegible]	5-	05647	59967	40	01752	65882	00	05690	25700	57	05656	28427
38[illegible]	13	22855	61766				46	01773	00014	53	01773	32124
43[illegible]	57	14755	24866	87	14754	30515	50	01753	30313	54	01754	30314
43[illegible]	20	25856	59686	5-	25644	61685	5-	02754	32324	5-	02767	31127
40[illegible]	5-	02725	59626	00	00790	30600	04	01790	65402	57	02856	02327

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 8th April
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	cr,bcy	ckqr,bcy	bcybz,cbcy
Croydon	cir,bczoy	cypr,bcz	bcz,bczoy
Greenwich	crq	c [illegible]pcbcy	be
Camden Square	c	c	*
Kensington	cbc [illegible]	cbc	*
Hampstead	o	bcp	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h: Max. 0.1, Time 16-21h 7th; Min. <0.1, Time 0-5h 8th.

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	58	39	29	0.1	-	2.1	*	*
Croydon	58	38	34	0.2	-	2.1	*	*
Greenwich	57	37	28	1	-	2.8	56	49
Westminster	60	38	31	0.3			57	49
Regents Park	50	37	31	0.6	-		69	60
Camden Square	57	37	30	0.5	-	*	*	53
Kensington	54	38	28	Tr	-			46
Hampstead	56	34	26	0.3	-		*	57

Page 1

BRITISH SECTION

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

SECRET

Friday 9th April 1943.

No. 29723

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	27·6	-4	N'W	3	c	47	45	24	7	8	3	-	7-8	9	4000
	Croydon	28·0	+2	N'W	3	z_0	47	45	27	6	1	-	-	7-8	7-8	4000
	S. Farnborough	27·7	-4	NW	3	bc	49	35	23	8	7	7	4	2-3	4-6	3000
	Boscombe Down	28·2	-4	N'E	4	bc	50	45	27	8	1	-	2	4-6	4-6	3500
	Thorney Island	27·5	-4	NNW	4	c-bc	50	45	28	8	1	-	5	2-3	7-8	2500
	Lympne	26·8	+6	NW	4	c	43	55	28	7	7	-	-	7-8	10	2500
	Manston	26·6	+6	NNW	4	c	43	55	30	8	8	-	-	9	10	2000
2	Shoeburyness	27·0	+4	NNW	3	c	45	55	28	8	5	-	-	10	10	2500
	Felixstowe	26·0	0	NW	4	c/r	42	75	34	6	5	-	-	10	10	4000
	Gorleston	24·6	+4	NNW	4	c	42	55	28	7	5	-	-	10	10	1500
	Mildenhall	25·8	+2	NW	4	c	45	45	27	8	5	3	-	4-6	9	3500
	Cranwell	25·3	-16	NW'W	4	z_0	49	45	30	6	-	3	-	0	9	-
3	Birmingham	27·0	-6	NW	3	b-bc	47	55	32	7	5	2	-	2-3	2-3	2500
	Upper Heyford	27·0	-6	NW	4	z_0	49	55	32	6	1	-	6	4-6	9+	3500
4	Ross-on-Wye	27·4	-6	WNW	3	c	50	55	35	8	7	3	-	2-3	9+	4000
5	Hartland Point	29·9	-2	WNW	3	bc	47	75	39	8	1	4	3	2-3	4-6	2500
	Bristol	29·1	-8	N	3	bc	52	45	33	8	1	3	1	1	4-6	4000
	Portland Bill	29·0	+2	N	4	c-bc	50	85	46	8	2	-	-	7-8	7-8	4000
	Plymouth	30·1	-2	N	4	bc	52	45	37	8	1	-	2	2-3	4-6	4000
	The Lizard	30·3	0	N	3	c-bc	53	65	42	8	2	3	-	4-6	7-8	1500
	Scilly (St. Mary's)	31·7	-2	N	2	c-bc	52	65	39	8	1	-	-	7-8	7-8	2500
	Guernsey															
6	Pembroke	30·2	+6	NNW	1	bc	49	75	42	8	2	7	-	2-3	4-6	3000
7	Holyhead (Valley)	28·6	-6	W	2	c	48	75	41	8	5	-	-	10	10	6000
	Chester (Sealand)	26·7	-14	NW	3	c	49	65	41	8	5	7	-	4-6	10	4000
8	Manchester	26·7	-10	W	3	z_0	45	75	38	6	4	7	-	4-6	10	2500
10	Spurn Head	24·7	-12	WNW	4	c	46	45	38	7	7	4	-	7-8	9	2500
	Catterick (Sc)	24·3	-22	WNW	3	c	48	75	42	8	5	7	-	4-6	9	3500
	Tynemouth	23·3	-26	W	4	c	45	65	32	7	5	-	-	9	9	2400
11	St. Abbs Head	10·5	-50	WNW	4	c	49	65	39	7	5	2	-	7-8	9+	3000
	Leuchars	18·1	-46	W	5	c	53	75	45	8	5	7	7	2-3	9+	4500
12	Renfrew (Abbots I.)	21·5	-34	W'N	4	c	50	92	48	7	5	-	-	7-8	10	800
	Eskdalemuir															
	Point of Ayre	25·7	-14	WNW	5	cjp	50	85	43	8	6	2	-	10	10	3000
13A	Tiree	23·5	-10	WNW	4	c	51	85	46	7	5	7	-	2-3	10	1000
13B	Stornoway	18·4	-10	W	6	c/d	49	97	47	7	5	-	-	10	10	900
15	Dalwhinnie	20·0	-20	WSW	3	c	47	85	42	7	5	-	-	9+	9+	1500
	Aberdeen	15·6	-54	WSW	2	c/r	47	65	38	8	6	7	-	1	10	1500
	Wick	14·1	-30	WNW	6	ir	47	92	46	7	3	2	-	7-8	10	1000
16	Sumburgh	06·9	-54	W'N	8	c/d	46	92	43	7	5	7	7	4-6	10	1500
17	Blacksod Point	30·1	-6	W	3	c/r	52	92	50	8	6	-	-	10	10	1500
18	Malin Head	25·8	-6	W	3	c/d	49	97	48	6	5	2	-	4-6	10	1500
	Aldergrove	26·5	-10	W	3	c	51	85	45	8	5	2	-	9+	10	1200
19	Birr Castle	19·7	-2	W	1	c	55	75	47	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	32·6	-4	NW'W	3	c	52	85	48	8	8	-	-	9+	9+	1500
	Roches Point	31·3	-10	W	1	c	50	92	48	8	8	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 8th April — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 8th (39)	Weather 13h.–18h. 8th (40)	Weather 18h. 8th to 1h. 9th (41)	Weather 1h.–7h. 9th (42)
1	London (Kew)	25·0	-6	WNW	3	z_0	50	55	34	6	5	7	-	9+	10	4000	0	*	bczcy	bcczy	cm	c
	Croydon	25·4	-12	WNW	3	z_0	49	55	34	6	5	7	-	7-8	10	5500	0	*	bczycy	czybyczy	czybczcm	cmc
	S. Farnborough	25·2	-6	WNW	3	c	50	55	33	8	5	7	-	7-8	9+	3000	0	*	bcz bbcy	bccy	cycbcc	circ
	Boscombe Down	26·1	-14	NW'W	4	c-bc	51	65	38	8	5	7	1	4-6	7-8	5700	0	*	bcy	bcycybc	bcc	cbc
	Thorney Island	25·7	-4	WNW	3	c	51	55	36	8	-	7	-	0	10	-	0	*	czcy	bcycy	cybc	bccbcc
	Lympne	24·6	-12	WSW	2	z_0	45	55	32	6	5	-	-	9+	9+	6000	0	§2	ccy	cbccy	cz	cirz
	Manston	23·2	-24	W'S	2	c	45	35	31	7	-	3	-	0	9	-	0	*	c	cyrcy	cirz	cm
2	Shoeburyness	23·8	-14	W	3	z_0	49	45	29	6	-	2	-	0	10	-	0	*	cy	bcyczy		czc
	Felixstowe	22·4	-26	W'S	4	z_0	48	55	34	6	5	-	-	10	10	4000	0	3	cmcircm	cicmcm	circmcm	cm
	Gorleston	21·0	-26	W	2	c	47	55	30	7	8	7	-	7-8	10	1200	0	3	cy	cy	cz	czc
	Mildenhall	22·1	-20	W	4	c	49	65	36	7	-	7	-	0	10	-	0	*	cy	cy	circmbc	c
	Cranwell	21·6	-20	W	5	dd	48	85	42	6	5	7	-	2-3	10	3500	0	*	cycmy	cmczy	sbcm	bcb,cm
3	Birmingham	21·6	-14	W	4	c	48	75	40	7	-	7	-	0	10	-	0	*	cbcc	c	c	cz
	Upper Heyford	24·6	-12	WNW	3	ir	49	65	37	8	5	7	-	4-6	9+	3100	0	*	bmbccy	czyc	cirbccidc	cbcc
4	Ross-on-Wye	26·6	-8	NW'W	3	c	50	65	40	8	3	-	-	9	9	3500	0	*	cbccy	cyc	c	c
5	Hartland Point	28·6	-8	NW	3	c-bc	47	85	42	8	-	5	-	0	7-8	-	0	3	bc	bbc	cbcc	cbcc
	Bristol	27·1	-4	W	3	b-bc	51	65	41	7	5	4	2	Tr	2-3	2500	0	*	cbcyby	cycbc	bccm	cm.bcb
	Portland Bill	27·0	0	SW	4	c-bc	48	85	44	8	5	-	-	7-8	7-8	4000	1	4	cc	bcc	bcbc	bcc
	Plymouth	29·1	-2	NW	4	b	50	75	41	8	1	-	1	1	1	3000	0	2	bccy	bcybcb	b	bcc
	The Lizard	29·5	-6	NNW	3	b-bc	49	75	41	8	2	-	-	2-3	2-3	2500	0	3	cbc	bc	bccw	ccoc
	Scilly (St. Mary's)	30·6	-6	NNW	3	c-bc	50	75	40	8	1	4	-	4-6	7-8	1800	0	4	bcc	c	cbcc	c
	Guernsey																					
6	Pembroke	28·7	-6	W'N	3	c	47	97	47	8	5	-	-	9+	9+	3000	0	2	bc	bcc	c	qc
7	Holyhead (Valley)	26·2	-10	WSW	2	c	50	85	46	8	5	-	-	10	10	2500	1	2	c	c	c	cid,m
	Chester (Sealand)	24·1	-6	W	2	z_0	51	75	46	6	5	2	-	7-8	10	2000	0	*	bc,c	cz	cmirbc	b,c
8	Manchester	23·3	-10	W'S	4	c/d	48	85	45	5	5	2	-	7-8	10	800	1	*	cmzc	ciddd	ddcm	id,m
10	Spurn Head	19·4	-28	W'N	6	pr	47	75	40	6	5	-	-	10	10	1600	1	4	c	opr	om	c
	Catterick (Sc)	19·7	-14	WNW	4	c	50	85	47	8	5	7	-	4-6	9	3000	0	*	c	c	bcbbc	bbc
	Tynemouth	16·7	-20	W	6	cbcq	52	75	44	7	2	3	-	4-6	7-8	2200	0	4	c	cq	bqb	bbc
11	St. Abbs Head	13·9	-8	W	6	c-bc	51	75	43	7	4	4	-	4-6	7-8	3500	0	5	cocm	cmprc	cbc	bcc
	Leuchars	15·9	+4	WNW	5	c-bc	55	65	42	8	4	-	9	4-6	7-8	4000	0	*	c	cbc	bcb	bbce
12	Renfrew (Abbots I.)	19·8	-6	W	5	c/d	50	75	43	8	5	4	-	7-8	9	1400	0	*	ccmid	cidc	c	cbcc
	Eskdalemuir																					
	Point of Ayre	23·1	-8	NW	4	c	49	92	47	8	8	7	-	4-6	10	2000	0	3	c	idc	cbcb	bbcc
13A	Tiree	22·8	-2	W'N	3	id	48	97	47	6	5	2	-	7-8	10	400	1	3	cidirmc	cidm	cidcircm	cbbccr
13B	Stornoway	18·7	+4	W	5	c/d	49	97	47	7	5	-	-	10	10	1200	1	3	cdbdm	cdbdm	c	bccid
15	Dalwhinnie	18·5	-4	WSW	3	o	45	75	38	7	5	-	-	10	10	1500	0	*	oc	cprc	c	oc
	Aberdeen	14·0	+6	WNW	4	c	51	65	41	8	5	-	-	9+	9+	2000	1	3	circirc	cqc	c	c
	Wick	13·8	+4	NNW	6	c-bc	49	75	40	8	5	3	2	4-6	7-8	3000	1	*	crrc	circbc	bccmc	circrrc
16	Sumburgh	08·6	+18	WNW	6	c	46	85	42	7	5	7	8	7-8	9+	1800	1	4	rrddmc	c	b	c
17	Blacksod Point	28·9	-6	WNW	4	c	50	75	42	8	5	-	-	10	10	1500	1	3	d	c	bc	d
18	Malin Head	24·2	-6	W'N	5	d	48	92	46	7	5	2	-	2-3	10	1500	1	4	r	d	c	d
	Aldergrove	24·7	-8	W	4	c/pr	49	85	45	8	8	-	-	2-3	9+	1000	1	*	ccidc	ccprc	cidcm	c
19	Birr Castle	28·3	-6	WSW	2	c	52	85	48	8	5	2	-	7-8	10	2500	1	*	c	c	*	c
20	Valentia Obsy.	31·4	-4	NW	3	c-bc	52	85	48	8	5	-	-	7-8	7-8	2500	0	3	pr	bc	pr	r
	Roches Point	29·6	-6	NNW	3	c	53	85	49	8	8	-	-	9+	9+	1500	0	3	pr	pr	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 9th April 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	Light or moderate northwest winds; cloudy; rather cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh westerly winds; occasional rain or drizzle in west and north, with much hill fog and local coast fog; 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	Light or moderate westerly winds; cloudy; local light rain; rather cold.

GENERAL INFERENCE

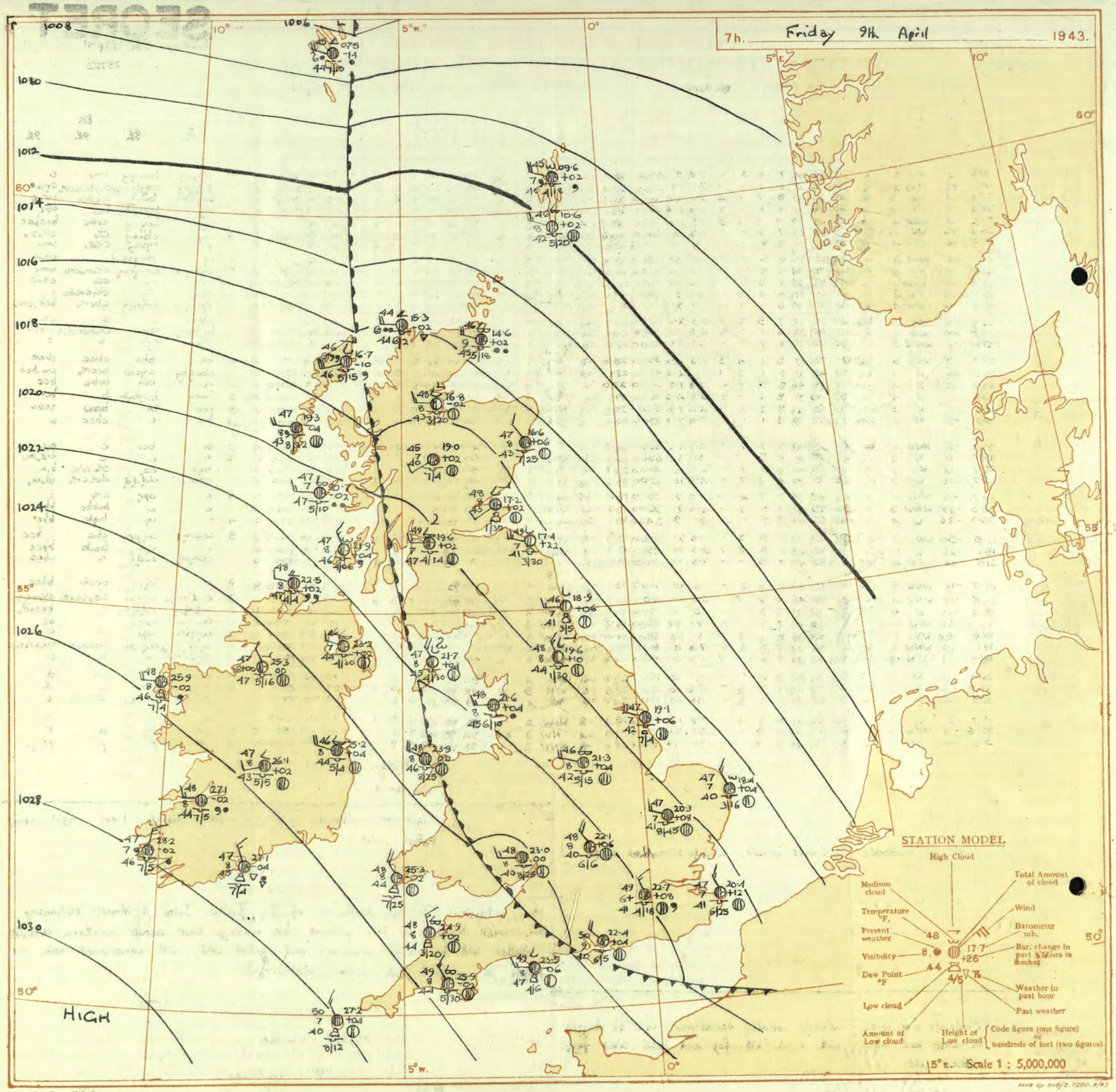
An anticyclone to the southwest of the British Isles is almost stationary, and weak troughs of low pressure are moving east across northern districts. Weather will be cloudy generally and rather cold, with occasional rain or drizzle in northern and western districts.

FURTHER OUTLOOK

Mainly similar.

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

4448 Gp 948/2. 7200. 4/43

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).

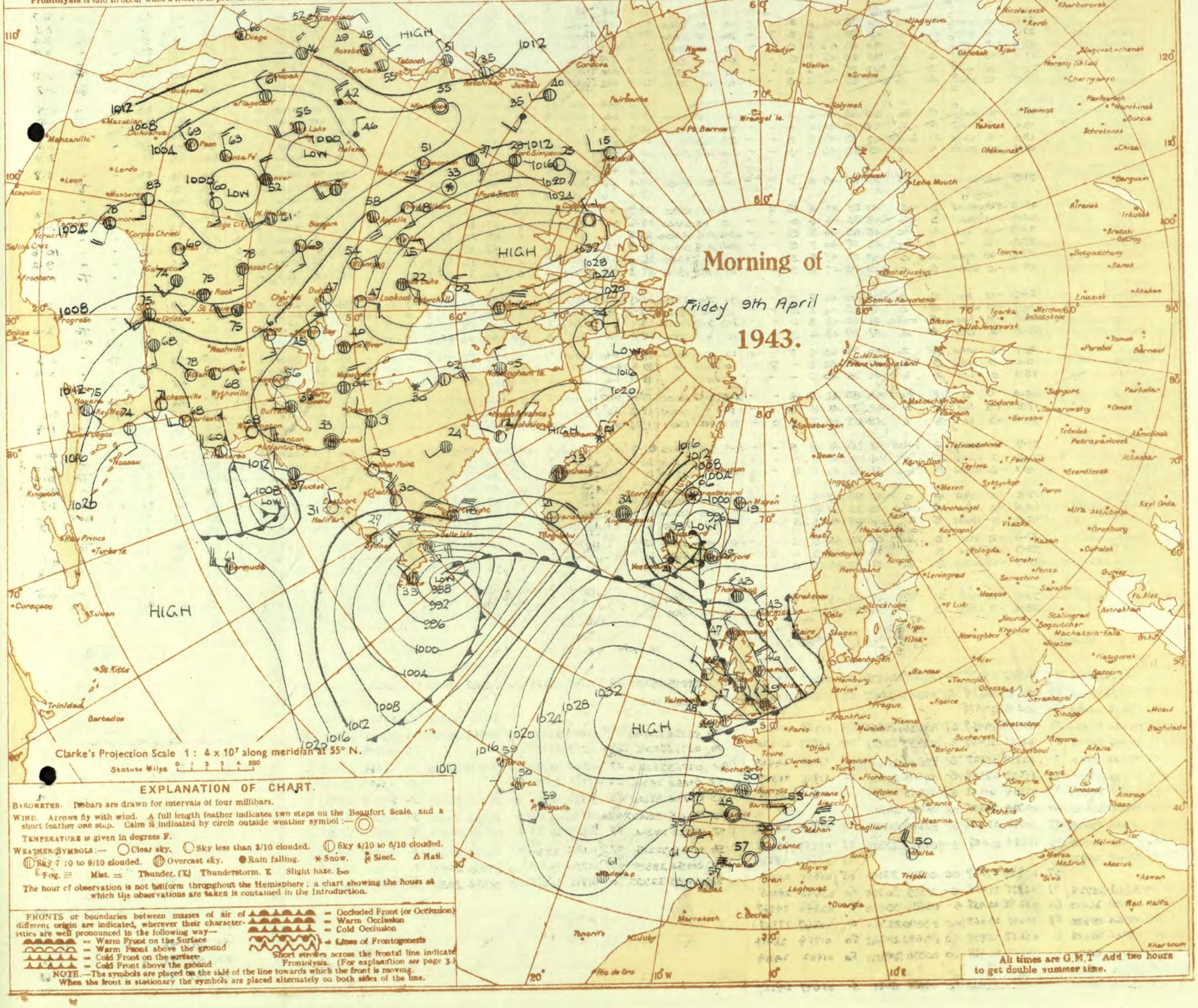
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Friday 9th April 1943

No. 29723

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

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	22·6	-10	WNW	3	Zo	49	85	43	6	5	-	-	10	10	2000
	S. Farnborough	226	22·1	-14	WNW	4	c	49	70	41	8	5	7	-	9+	10	2500
	Boscombe Down	417	23·6	-18	WNW	3	c	45	92	43	8	5	-	-	10	10	3000
	Thorney Island	10	23·1	-10	W'N	4	bc	46	85	42	7	5	-	-	4-6	4-6	3200
	Lympne ...	283	20·8	-14	W'N	2	Zo	48	75	41	6	5	-	-	10	10	1500
	Manston ...	154	13·7	-12	WNW	4	Zo	49	85	44	6	5	-	-	10	10	2800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·1	-10	NW'W	5	Zo	50	85	44	6	5	-	-	10	10	2300
	Gorleston ...	5	18·1	-6	NW'N	4	Zo	50	75	41	6	5	-	-	9+	9+	1500
	Mildenhall ...	15	19·2	-6	WNW	4	b-bc	49	85	45	7	5	-	-	2-3	2-3	2200
	Cranwell ...	203	19·4	+2	NW'W	5	Zo	47	85	43	6	5	-	-	4-6	4-6	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·5	-20	WNW	4	c/d	49	85	45	8	5	-	-	9+	9+	2000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·9	-12	WNW	3	c	49	97	49	8	5	2	-	4-6	10	1500
	Bristol ...	209	24·9	-10	SW	3	Zo	48	92	46	6	5	-	-	10	10	2600
	Portland Bill ...	32	24·8	-14	SW	4	bc	48	85	44	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	27·3	-12	-	0	bc	49	97	44	7	5	-	-	4-6	4-6	3000
	The Lizard ...	240	27·6	-10	NNW	4	c	49	92	47	8	5	-	-	9	9	1500
	Scilly (St. Mary's)	163	28·8	-10	NW'W	3	c	49	92	47	8	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	26·3	-12	NW	5	c	50	85	46	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	32	24·7	-10	WNW	4	c	47	85	44	8	5	-	-	10	10	3700
	Chester (Sealand)	16	22·3	-8	NW	4	b-bc	48	85	43	8	5	-	-	2-3	2-3	3000
8	Manchester ...	235	22·3	-2	W'S	3	Zo	47	85	43	6	5	-	-	10	10	2800
10	Spurn Head ...	29	18·1	-2	WNW	5	Zo	46	75	39	6	7	-	-	10	10	1500
	Catterick (Sc.) ...	192	19·0	-2	WNW	5	bc	47	85	43	8	-	7	-	0	4-6	-
	Tynemouth ...	108	18·1	0	NW	4	b	46	75	39	7	-	-	-	0	0	-
11	St. Abbs Head	280	14·4	-8	W	5	bc	48	85	42	7	4	-	-	4-6	4-6	4000
	Leuchars ...	36	17·2	+8	SW	2	b	48	75	41	8	5	-	-	1	1	3000
12	Renfrew (Abbots L.)	19	20·1	+2	W	3	c	48	85	45	7	5	2	-	9	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	21·9	-10	WNW	6	b-bc	47	85	41	8	5	-	-	2-3	2-3	2000
13A	Tiree	44	21·8	-2	WNW	4	c/r	48	92	46	6	5	-	-	10	10	1500
13B	Stornoway ...	15	18·1	-6	WNW	5	bc	47	97	47	7	5	-	-	4-6	4-6	3300
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	15·8	-2	WNW	4	c	47	85	42	8	5	-	-	9+	9+	3000
	Wick ...	114	14·6	+2	N	3	c-bc	45	92	42	8	5	-	-	7-8	7-8	3000
16	Sumburgh ...	19	10·8	0	NW'W	5	b	44	85	40	8	5	-	-	Tr	Tr	3000
17	Blacksod Point	18	27·3	-10	NW	3	bc	48	92	46	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	84	23·5	+2	NW	3	c	48	97	47	8	-	2	-	10	10	1500
	Aldergrove ...	268	23·9	-10	WSW	3	Zo	47	92	45	6	5	2	-	9+	10	1200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29·5	-10	NW	2	c/d	48	92	46	8	5	-	-	10	10	2500
	Roches Point	22	28·4	-8	NW'N	3	c	50	92	48	8	8	-	-	9+	9+	1500

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

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)	22·1	+8	NW	3	c	49	65	39	7	5	-	-	10	10	2500	0	*
Croydon ...	22·7	+8	NNW	3	c/d	49	75	41	6	5	-	-	4-6	10	1800	0	*
S. Farnborough	22·7	+14	NNW	3	c	49	65	39	7	5	-	-	9	9	1800	0	*
Boscombe Down	23·9	+12	NW'N	3	c	46	75	40	7	5	-	-	9+	9+	3000	0	*
Thorney Island	22·4	+4	NW'W	4	c	50	75	40	9	5	-	-	9	9	2500	0	*
Lympne ...	20·9	+10	NNW	3	c	48	75	42	8	5	-	-	10	10	3000	0	3
Manston ...	20·4	+12	NW'N	3	c	47	75	41	7	5	-	-	9	9	2500	0	*
Shoeburyness ...	21·0	+14	NW	3	c	49	75	39	7	5	-	-	10	10	2500	0	*
Felixstowe ...	19·9	+6	NW'W	4	Zo	47	85	43	6	5	-	-	10	10	5000	0	3
Gorleston ...	18·4	+4	NW'N	3	c	47	85	40	7	5	3	-	2-3	9+	1600	0	
Mildenhall ...	20·3	+8	WNW	3	c	47	85	41	7	5	-	-	10	10	4500	0	*
Cranwell ...	20·5	+8	NW	2	Zo	47	85	43	6	5	7	-	7-8	10	3000	0	*
Birmingham ...	22·0	+4	WNW	4	Zo	47	85	43	5	5	-	-	9+	9+	1500	0	*
Upper Heyford	22·1	+6	NW	4	c	48	75	40	8	5	-	-	9	9	4000	0	*
Ross-on-Wye	23·0	0	W'N	3	c	48	75	40	8	5	-	-	10	10	2500	0	*
Hartland Point	24·9	+2	NNW	3	c-bc	48	85	44	8	2	7	-	2-3	7-8	2000	0	3
Bristol ...	24·6	+6	NW	3	b	47	85	41	7	5	-	-	1	1	4000	0	*
Portland Bill ...	23·5	-6	W	3	c	49	92	47	8	2	4	-	4-6	10	4000	1	4
Plymouth ...	25·9	-2	NW'W	3	c	49	85	44	8	5	7	-	7-8	9	3000	0	2
The Lizard ...	26·0	-4	NNW	3	c	49	92	47	8	8	2	-	9	9+	1500	0	3
Scilly (St. Mary's)	27·2	+4	NW'N	3	c	50	92	49	7	8	-	-	10	10	1200	0	3
Pembroke ...	25·3	-2	NW	4	c	48	85	44	8	8	-	-	9+	9+	2500	0	3
Holyhead (Valley)	23·9	0	WNW	4	c	48	92	46	8	5	-	-	10	10	2500	1	3
Chester (Sealand)	21·1	+6	W'N	3	c	49	85	45	7	5	7	-	9	9+	1500	0	*
Manchester ...	21·5	-2	W	3	c/d	47	92	44	6	5	2	-	9+	10	1000	1	*
Spurn Head ...	19·1	+6	WNW	4	c	47	85	42	7	7	-	-	9+	9+	1500	1	4
Catterick (Sc.) ...	19·6	+10	NW	3	bc	48	85	44	8	4	4	8	Tr	4-6	3000	0	*
Tynemouth ...	18·9	+6	W	3	bc	46	85	41	7	2	4	-	2-3	4-6	2500	0	3
St. Abbs Head	17·4	+22	WNW	5	bc	49	75	41	7	4	4	-	2-3	4-6	3000	0	4
Leuchars ...	17·2	+2	SW	2	c	48	85	43	8	2	4	8	Tr	9	3000	0	*
Renfrew (Abbots L.)	19·6	+2	W	4	c	49	92	47	7	5	7	6	4-6	9	1400	0	*
Eskdalemuir ...																	
Point of Ayre ...	21·7	+4	NW'W	4	c-bc	47	92	45	8	5	4	9	4-6	7-8	3000	0	4
Tiree	20·7	-2	W	3	c/r	47	97	47	7	5	7	-	7-8	9+	1000	0	3
Stornoway ...	16·7	-10	WSW	5	d.d.	46	97	46	6	5	4	2	7-8	7-8	1500	1	3
Dalwhinnie ...	19·0	+2	SW	2	c	45	85	47	7	5	-	-	9+	9+	1500	0	*
Aberdeen † ...	16·6	+6	NW'W	2	c	47	85	43	8	5	-	-	9+	9+	2500	1	2
Wick ...	14·6	+2	WNW	4	c/r	46	92	45	9	5	7	-	7-8	9+	1800	1	*
Sumburgh ...	10·6	+2	W'N	5	c	46	85	42	8	5	7	-	7-8	9+	2000	1	3
Blacksod Point	25·9	-2	W	3	c	48	92	46	8	8	-	-	9+	9+	1500	1	3
Malin Head ...	22·5	+2	WNW	2	c/d	48	97	47	8	5	2	-	4-6	10	1500	1	3
Aldergrove ...	23·2	+2	W'N	2	c	46	92	44	7	5	7	-	4-6	9	3000	1	*
Birr Castle ...	26·1	+2	WSW	2	c	47	85	43	8	5	1	-	7-8	10	2500	1	*
Valentia Obsy.	28·2	-2	N'E	3	id.	47	97	46	7	5	-	-	9+	9+	2500	1	3
Roches Point	27·1	-4	NNW	3	c/pr	47	92	45	8	8	-	-	9+	9+	1500	0	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 8h ..... Hrs. (38)
London (Kew)	51	49	43	-	-	6·9
Croydon ...	51	48	45	-	-	7·3
S. Farnborough	53	48	42	-	Tr	8·4
Boscombe Down	52	43	39	-	-	7·0
Thorney Island	53	45	41	-	-	*
Lympne ...	47	43	42	-	Tr	1·5
Manston ...	46	45	43	-	Tr	1·7
Shoeburyness ...	50	47	43	-	-	2·4
Felixstowe ...	49	47	45	Tr	Tr	1·5
Gorleston ...	47	45	43	Tr	-	2·[illegible]
Mildenhall ...	51	44	37	-	-	1·5
Cranwell ...	50	44	41	-	-	3·0
Birmingham ...	49	46	42	-	-	3·8
Upper Heyford	50	46	42	-	Tr	*
Ross-on-Wye	54	46	40	-	-	4·1
Hartland Point	49	46	44	-	-	9·2
Bristol ...	54	43	37	-	-	7·4
Portland Bill ...	53	45	*	-	-	*
Plymouth ...	53	44	32	-	-	10·6
The Lizard ...	55	44	*	-	-	9·2
Scilly (St. Mary's)	53	46	*	-	Tr	10·9
Pembroke ...	51	47		-	-	5·9
Holyhead (Valley)	52	46	45	-	-	*
Chester (Sealand)	52	43	44	-	Tr	2·0
Manchester ...	48	45	43	0·3	0·2	*
Spurn Head ...	48	44	*	Tr	-	0·3
Catterick (Sc.) ...	52	45	40	-	-	3·4
Tynemouth ...	52	45	40	-	-	*
St. Abbs Head	55	46	*	Tr	-	*
Leuchars ...	59	45	38	Tr	*	5·1
Renfrew (Abbots L.)	54	46	43	0·1	-	1·4
Eskdalemuir ...						
Point of Ayre ...	55	46	*	0·2	-	0·0
Tiree	51	46	43	0·2	Tr	0·0
Stornoway ...	50	45	44	0·5	Tr	0·0
Dalwhinnie ...	48	43	40	Tr	-	0·7
Aberdeen † ...	56	46	43	0·3	-	1·3
Wick ...	49	44	42	1	0·2	*
Sumburgh ...	48	44	40	2	-	1·3
Blacksod Point	54	46	*	0·3	Tr	*
Malin Head ...	50	46		0·6	2	0·1
Aldergrove ...	51	45	41	Tr	0·2	0·2
Birr Castle ...	57	45	41	-	Tr	0·5
Valentia Obsy.	54	47	46	Tr	0·6	1·1
Roches Point	54	47	*	Tr	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th April ..... 18h. G.M.T.				01h. G.M.T. 9th April ..... 07h. G.M.T.				13h. G.M.T. 8th April ..... 18h. G.M.T.				01h. G.M.T. 9th April ..... 07h. G.M.T.			
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$
109 02	64428	57768	5-	02745	59625	5-	02665	26425	5-	51847	24357	335 7	02875	28327	52
115 52	02735	20568	53	02835	25528	52	02844	24427	52	62626	24488	334 --	02647	32128	
203 5-	03848	22468	5-	03848	24428							340			
206 53	02844	57466	51	61845	24467	57	01854	28365	54	01954	26515	136 76	02754	29486	57
210 72	02956	22528	57	61635	25467	5-	02857	27427	54	03863	22325	336 70	02766	28316	53
219 5-	02848	25668	5-	02857	25527	5-	51647	26457	5-	51858	24428	350 14	02763	26326	57
230 62	52645	26367	62	52537	27358	5-	51646	26357	5-	51848	26357	368 57	01854	28316	50
245 57	02964	22423	54	02964	61918	54	01963	27214	--	02965	22115	379 53	02754	32316	53
260 57	05655	20426	50	02754	26525	04	01790	24212				390 70	05665	30427	02
278 5-	21748	25458	57	10736	27228	5-	52648	61558	53	02834	26457	382 17	01753	28314	57
279 52	51745	20528	52	02854	26457	5-	01844	23324	57	02857	23128	438 50	02755	22215	57
285 5-	02747	24527							23	05634	28514	430 10	01854	28315	07
288			57	02844	57567	00	00790	27410	05	05690	22113	409 20	01955	32325	70
575 57	51746	28258	77	02835	28225	6-	21525	30358	50	05645	28126				
301 57	02751	24428	62	05645	22458	5-	05656	59456	5-	02846	24367				
321 57	05664	28328	57	22647	26468	00	05690	26360	5-	05667	27327				
2.08-	02746	28428	8-	05658	22428	50	05692	28302	50	01754	28414				
292 07	02890	23328	5-	02858	26468	00	00830	24320	50	01862	24114				
310 --	02628	26328													
614 57	05664	28228	52	05658	59428	50	05651	61444	5-	05647	24227				

13h. G.M.T. 8th April ..... 18h. G.M.T.				01h. G.M.T. 9th April ..... 07h. G.M.T.				13h. G.M.T. 8th April ..... 18h. G.M.T.				01h. G.M.T. 9th April ..... 07h. G.M.T.			
C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$
5-	02765	29425	5-	05634	29427										
			--	03647	28228										
5-	02758	30358	53	02854	28326										
5-	05667	28567	53	05665	28427										
			57	02754	28317										
5-	05645	26325	5-	02844	27327										
			5-	05644	28227										
5-	02757	28327	5-	05657	30427										
5-	05568	24328	5-	05657	30427										
5-	02768	26428	5-	02834	28327										
57	02754	24515	5-	02757	28327										
50	05653	26423	5-	02767	26428										
50	01734	29314	5-	21838	30358										

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 (18 = 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 April
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 ...	bczoey	bczoey	cmoc	Kew 24 hours ended 7h. Max. [illegible] Min. [illegible] Time [illegible]
Croydon ...	bczoycy	czoybyczy	czycmoc	
Greenwich ...	cbcy	bccbyc	c	
Camden Square	c	c	*	
Kensington ...	bc	bco	*	
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 % Today
Kew ...	51	49	43	-	-	6·9	*	*
Croydon ...	51	48	45	-	-	7·3	*	*
Greenwich ...	51	49	44	-	-	3·9	36	69
Westminster ...	53	*	*	-	-		37	69
Regents Park ...	51	42	42	-	-		43	75
Camden Square	53	47	43	-	-	*	*	71
Kensington ...	52	49	44	-	-		61	69
Hampstead ...	52	46	41	-	-		*	73

SECRET

Page 1

BRITISH SECTION

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

Saturday 10th April 1943.

No. 29724

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22.5	+4	NW'W	2	z	53	65	40	6	5	-	-	10	10	4000
	Croydon ...	23.0	+4	WNW	3	z	52	75	43	6	5	-	-	10	10	3700
	S. Farnborough	22.9	-2	NW	3	c	53	65	40	8	5	-	-	10	10	3000
	Boscombe Down	23.6	-2	NW	3	c	53	65	41	8	8	1	-	7-8	10	2000
	Thorney Island	23.1	+4	NW	3	c	55	55	40	8	5	-	-	10	10	4000
	Lympne ...	22.2	+2	NW	2	c	52	65	41	7	7	-	-	4-6	10	800
	Manston ...	21.7	+6	NW'N	2	c	53	65	42	7	7	-	-	9+	9+	5800
2	Shoeburyness ...	22.1	+2	WNW	2	z	55	65	43	6	5	-	-	10	10	4000
	Felixstowe ...	20.9	+2	WNW	2	c	55	65	46	7	5	-	-	9	9	4500
	Gorleston ...	20.2	+6	N'W	3	c	51	65	40	7	7	4	-	4-6	4-6	2000
	Mildenhall ...	20.8	-2	W'N	3	c	56	65	43	6	5	-	-	4-6	9	4500
	Cranwell ...	20.2	-6	W'N	2	z	58	65	45	6	5	-	-	9	9	3000
3	Birmingham ...	22.7	+2	NW	3	c	49	75	41	7	5	-	-	10	10	2500
	Upper Heyford	22.6	+2	NWW	2	o/d	50	85	44	7	5	-	-	10	10	1800
4	Ross-on-Wye	22.8	0	WNW	3	c	54	65	43	9	5	-	-	10	10	3000
5	Hartland Point	25.2	+4	NNW	3	c	49	85	45	8	-	8	-	9+	9+	3500
	Bristol ...	23.8	-4	WSW	4	c	54	75	46	7	5	-	-	10	10	2500
	Portland Bill ...	24.0	-8	W	3	c	52	92	50	8	5	-	-	10	10	4000
	Plymouth ...	25.9	-2	NW	3	c	52	75	44	8	5	-	-	10	10	3000
	The Lizard ...	26.3	0	NNW	3	c	52	65	41	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	27.5	0	NNW	2	c	53	75	44	9	7	-	-	9+	9+	2200
	Guernsey ...															
6	Pembroke ...	26.6	0	NW'W	4	c	50	85	46	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	24.3	-2	WNW	3	d	53	85	47	7	6	2	-	7-8	10	800
	Chester (Sealand)	22.5	-2	NNW	4	c	52	75	45	8	5	7	-	7-8	10	2500
8	Manchester ...	22.1	+2	WNW	4	s/r	50	85	45	7	8	-	-	9	10	1500
10	Spurn Head ...	20.0	0	ESE	2	c-bc	54	65	42	7	7	3	-	4-6	7-8	4000
	Catterick (Sc) ...	19.2	-4	WNW	3	c	55	85	49	8	5	-	1	4-6	9+	2000
	Tynemouth ...	18.8	-2	W	3	c-bc	57	65	44	7	2	3	-	4-6	7-8	2200
11	St. Abbs Head	16.1	-8	WNW	4	c	54	65	44	7	5	7	-	4-6	9	2400
	Leuchars ...	15.9	-12	W	3	c	61	55	47	9	1	7	8	1	9	4000
12	Renfrew (Abbots I.)	19.0	-10	W'S	4	c	53	75	46	8	5	-	-	7-8	10	1000
	Eskdalemuir ...	17.7	-16	WNW	6	bc	54	65	42	8	5	7	1	2-3	4-6	2000
	Point of Ayre ...	22.0	-4	WNW	4	c	55	75	46	8	1	7	5	Tr	9+	2000
13A	Tiree	19.8	-6	WSW	4	id	51	92	49	5	5	-	-	7-8	10	300
13B	Stornoway ...	15.3	-12	W	6	o/d	52	92	50	7	5	-	-	9	9+	1800
15	Dalwhinnie ...	17.5	-4	SW	3	c	50	75	41	8	5	-	2	7-8	9+	2500
	Aberdeen ...	14.3	-8	W'S	2	c-bc	61	55	45	8	1	7	8	1	7-8	3500
	Wick ...	13.4	-6	W	4	c	54	65	43	9	8	3	9	4-6	9	3500
16	Sumburgh ...	08.6	-14	W	6	o/d	49	97	48	6	5	1	-	9	10	500
17	Blacksod Point	25.4	-2	W'N	3	c	53	75	46	8	8	-	-	10	10	1500
18	Malin Head ...	21.6	-6	W'N	3	bc	51	85	47	8	8	-	4	4-6	4-6	1500
	Aldergrove ...	22.9	-6	WNW	1	o/d	49	92	46	9	5	-	-	10	10	2000
19	Birr Castle ...	25.4	-6	WSW	2	c	53	65	42	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	27.3	-6	W'N	3	o	51	85	47	8	8	-	-	9+	9+	2500
	Roches Point	26.3	-6	NNW	3	c	52	85	49	8	8	-	-	9+	9+	1500

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

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)	22.4	0	W'N	1	z	53	75	43	6	5	-	-	10	10	2500	0	*
	Croydon ...	23.1	-2	W'N	1	z	52	75	45	5	5	-	-	10	10	3000	0	*
	S. Farnborough	22.4	-2	NW'W	2	c	53	65	43	8	5	7	-	4-6	9+	2500	0	*
	Boscombe Down	23.2	0	W'N	3	c	51	75	45	7	5	-	-	10	10	4000	0	*
	Thorney Island	22.6	+2	W'S	2	z	53	75	44	6	5	-	-	10	10	4000	0	*
	Lympne ...	22.3	+2	W'N	2	z	51	75	42	5	5	-	-	9+	9+	3500	0	§ 3
	Manston ...	21.5	-2	WNW	3	z	53	75	44	6	-	-	6	0	9+	-	0	*
2	Shoeburyness ...	22.1	+4	W'S	3	z	53	75	44	6	5	-	-	9+	9+	4000	0	*
	Felixstowe ...	20.9	+2	W	3	z	55	75	47	6	-	2	2	0	9+	-	0	2
	Gorleston ...	20.5	+2	SSE	2	c-bc	49	85	43	7	-	7	4	2-3	7-8	2500	0	3
	Mildenhall ...	20.8	+4	W'N	4	z	56	75	45	6	5	3	-	7-8	9	3000	0	*
	Cranwell ...	20.8	+12	WNW	4	c	52	65	42	6	5	-	-	9+	9+	3000	0	*
3	Birmingham ...	22.2	-2	NW	3	z	51	65	40	6	5	-	-	9+	10	2500		*
	Upper Heyford	22.1	+2	NW'W	2	c	51	75	43	7	5	-	-	9+	9+	3500	0	*
4	Ross-on-Wye	22.6	0	W'N	3	c	52	75	43	8	5	-	-	10	10	2500	0	*
5	Hartland Point	24.8	0	NNW	3	c	49	85	46	8	8	-	-	9+	9+	2600	0	3
	Bristol ...	23.6	+2	W'N	3	c	51	85	46	7	5	-	-	10	10	2500	0	*
	Portland Bill ...	23.8	-2	W	3	o	51	92	48	8	5	-	-	10	10	2500	1	4
	Plymouth ...	25.4	-2	NW	3	c	52	75	44	8	5	-	-	9+	9+	3000	0	2
	The Lizard ...	25.4	0	NW	3	c	49	75	42	8	5	-	-	9+	9+	2200	0	3
	Scilly (St. Mary's)	26.4	-8	NWN	3	c	51	65	40	8	5	-	-	10	10	2200	0	3
	Guernsey ...																	
6	Pembroke ...	25.7	-2	W'N	2	c	49	85	46	8	8	-	-	9+	9+	2500	0	3
7	Holyhead (Valley)	23.3	-2	W'N	3	c	51	85	46	8	5	-	-	10	10	5000	1	2
	Chester (Sealand)	22.2	-2	NW	3	c	51	75	45	8	5	9	-	9+	9+	3200	0	*
8	Manchester ...	21.7	-2	W'N	4	z	50	85	44	6	5	-	-	7-8	9+	2000	0	*
10	Spurn Head ...	19.3	0	NW'N	3	z	52	75	44	6	7	3	-	7-8	9+	2500	0	3
	Catterick (Sc) ...	19.2	+2	NW	3	c	54	75	47	8	5	7	-	9	10	2000	0	*
	Tynemouth ...	18.4	0	WSW	2	z	56	65	43	6	8	-	-	9+	9+	2200	0	3
11	St. Abbs Head	14.2	-6	W	5	c	52	75	44	7	4	-	-	4-6	9	2500	0	4
	Leuchars ...	15.2	+2	W	5	c-bc	56	75	47	9	7	4	1	2-3	7-8	3500	0	*
12	Renfrew (Abbots I.)	18.0	-8	WSW	4	id	51	85	47	8	5	-	-	7-8	10	1000	1	*
	Eskdalemuir ...	18.6	+2	W	3	c	49	75	41	8	5	1	-	9	9+	2500	0	*
	Point of Ayre ...	21.1	-2	W'N	4	c	50	85	46	8	8	7	-	7-8	10	2500	0	2
13A	Tiree	19.4	0	W'N	4	o/d	48	97	47	8	5	-	-	10	10	4000	1	3
13B	Stornoway ...	15.4	0	W	5	c	50	85	45	8	5	3	-	9	9+	1800	1	3
15	Dalwhinnie ...	16.5	-4	W	3	c	47	75	40	8	5	-	-	9+	9+	2500	0	*
	Aberdeen ...	13.5	+2	WNW	3	c-bc	56	55	41	8	5	4	2	2-3	7-8	3500	0	2
	Wick ...	13.2	+2	W	4	c	49	75	42	9	5	-	-	9	9	3000	1	*
16	Sumburgh ...	07.5	-4	W	6	o/d	46	92	44	7	5	-	-	9	10	800	1	3
17	Blacksod Point	24.1	-6	W'S	3	id	50	85	46	8	6	2	-	4-6	10	1500	1	3
18	Malin Head ...	20.8	-4	WNW	5	c	49	92	47	8	8	-	-	9+	9+	1500	1	4
	Aldergrove ...	22.1	-2	W	3	o/d	50	85	44	8	5	-	-	10	10	3500	1	*
19	Birr Castle ...	24.1	-4	WNW	2	c	51	75	45	8	5	2	-	7-8	9+	2500	1	*
20	Valentia Obsy.	26.2	-6	W	3	c	50	85	46	8	8	-	-	9+	9+	2500	0	2
	Roches Point	25.2	-6	NNW	3	c	52	85	48	8	8	-	-	9+	9+	1500	0	3

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 9th (39)	13h.—18h. 9th (40)	18h.—1h. 9th/10th (41)	1h.—7h. 10th (42)
London (Kew)	cz	cz	cz	cz
Croydon ...	cz	cz	cz.cm	cmm
S. Farnborough	ccyc	c	c	c
Boscombe Down	cc	c	c	c
Thorney Island	c	c	cm	cm.ccm
Lympne ...	c	ccz	cm	cm
Manston ...	c	c	cm.abm	bccm
Shoeburyness ...	ccz	cz	cz	cm
Felixstowe ...	cm.c	bcz.cz	bm	bm.bcm.cm
Gorleston ...	bbc	bcc	bbccz	cz
Mildenhall ...	c	cz.cyc	cbz.cm	cm
Cranwell ...	cbccz	cz	cbcbz.bcm	cm
Birmingham ...	c	cz	z	cm
Upper Heyford	ccid	ccz.c	ccm	cz.m.c
Ross-on-Wye	occ	cvc	c	c
Hartland Point	c	c	c	c
Bristol ...	c	c	c	ccm
Portland Bill ...	cc	o	co	o
Plymouth ...	c	c	c	c
The Lizard ...	c	cpc	co	cprr.o
Scilly (St. Mary's)	cp.c	c	c	c
Pembroke ...	c	c	cw	c
Holyhead (Valley)	cd	d.d.c	c	c
Chester (Sealand)	c	c	c	c
Manchester ...	cir.m	cz.mryp	cm	fr.d.d.m
Spurn Head ...	c	cm	bcm	cm
Catterick (Sc) ...	c	c	bcc	cbcc
Tynemouth ...	bc	cm	cm.bc	bc
St. Abbs Head	bcc	c	bccb	bbcc
Leuchars ...	c	cybccbc	bcbbc	bcc
Renfrew (Abbots I.)	c	cir.cid	cid.c	ccm.id.cd.d.c
Eskdalemuir ...		bcc	cir	cid
Point of Ayre ...	c	c	b	c
Tiree	cid.cid	cid.c	cid.m.c	cid.d.d.c
Stornoway ...	cid.m	cid.m.c	cid.c	cir.d
Dalwhinnie ...	c	c	*	cpr.o
Aberdeen ...	cbccy	bcycyy	cybcb	bbcctrc
Wick ...	cid.cb	cbcc	c	c
Sumburgh ...	rrd.d.m.c	cd.d.m.c	cid.cm	cd.d.ir.m.c
Blacksod Point	c	d	pr	pr
Malin Head ...	d	c	c	r
Aldergrove ...	cid.c	cir.id.c	c	c
Birr Castle ...	c	c	c	d
Valentia Obsy.	pr	pr	r	pr
Roches Point	pr	c	c	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Light or moderate southwest to west wind; mainly cloudy, rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southwest to west wind, fresh locally; cloudy, slight rain locally; rather cold.
16 Orkneys and Shetlands	Moderate to fresh west wind strong locally veering later; cloudy, occasional rain; becoming colder.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 8-15

GENERAL INFERENCE

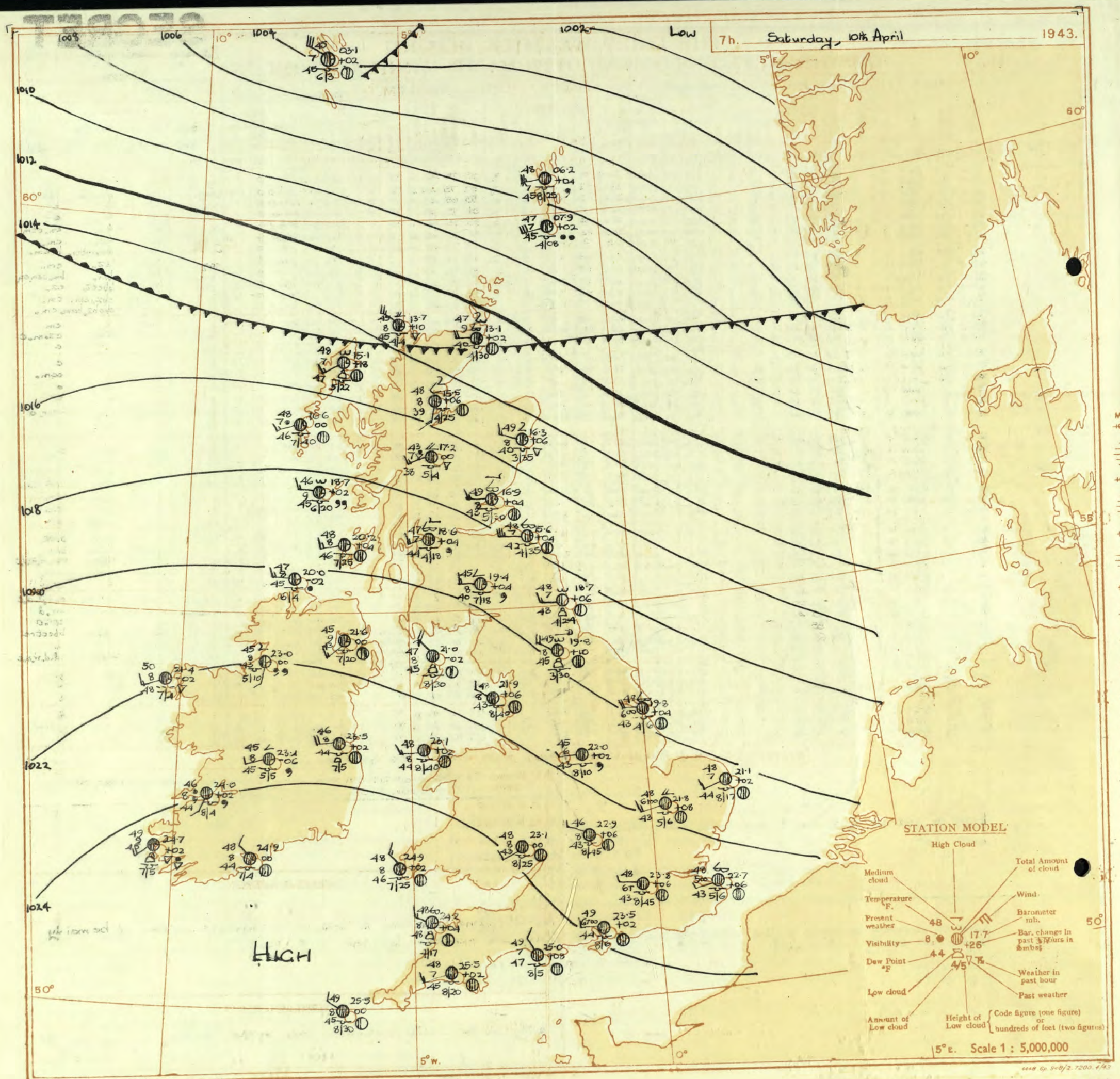
An anticyclone is centred to South of the British Isles, weather will be mainly cloudy with occasional light rain in the North.

FURTHER OUTLOOK

Cloudy in the South, occasional rain in the North.

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).

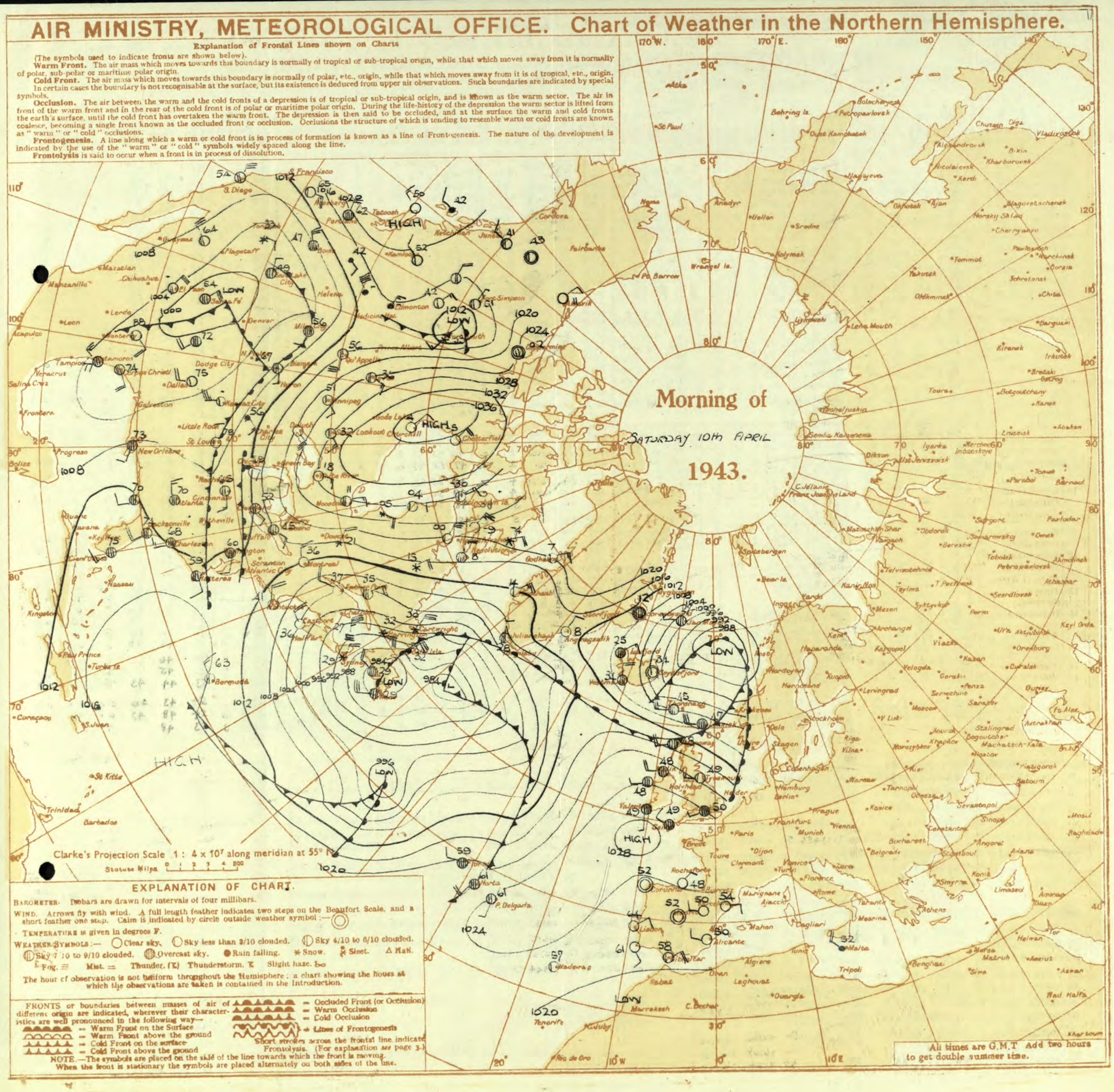
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 10th April 1943

No. 29724

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

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	23·7	-2	W'S	1	m	50	85	45	4	5	-	-	10	10	4500
	S. Farnborough	226	23·5	+2	W'N	2	c	50	85	44	7	5	-	-	10	10	3400
	Boscombe Down	417	24·0	+2	WNW	1	c	47	85	44	7	5	-	-	10	10	4000
	Thorney Island	10	23·4	-2	W'S	2	z.	49	85	45	6	5	2	-	4-6	10	4000
	Lympne ...	283	23·2	0	W	1	z.	48	85	43	6	5	-	-	10	10	3700
	Manston ...	154	22·9	+2	WSW	1	z.	46	92	43	6	5	-	-	4-6	4-6	3500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·0	0	WNW	2	z.	46	85	43	5	-	-	-	0	0	-
	Gorleston ...	5	20·9	+2	W'S	2	z.	49	75	42	6	5	-	-	10	10	1500
	Mildenhall ...	15	21·8	0	W	3	z.	47	85	43	6	5	-	-	9+	9+	4500
	Cranwell ...	203	21·1	-2	W	3	z.	47	85	43	6	5	-	-	9	9	4600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·7	+2	W	2	z.	48	75	41	6	5	-	-	10	10	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·9	0	NW	3	c	48	92	46	8	5	2	-	9+	10	2500
	Bristol ...	209	24·8	0	W	3	c	48	85	43	7	5	-	-	10	10	3800
	Portland Bill ...	32	24·6	+4	SW	3	o	49	85	45	7	5	-	-	10	10	2500
	Plymouth ...	82	25·9	-2	WNW	3	c	49	75	41	7	5	-	-	4-6	10	2500
	The Lizard ...	240	26·5	+2	NW	1	o	47	75	40	8	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	26·3	-4	WNW	2	c	49	85	45	8	5	-	-	10	10	2500
	Guernsey ...	175															
6	Pembroke ...	142	24·7	-4	NW	2	c	49	97	48	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	23·5	+2	NW'W	3	c	48	92	45	8	5	-	-	10	10	4700
	Chester (Sealand)	16	22·2	0	WNW	1	c	49	85	44	7	5	-	-	10	10	2600
8	Manchester ...	235	21·8	0	W'S	2	z.	47	85	44	6	5	-	-	4-6	10	1000
10	Spurn Head ...	29	19·8	0	W	4	z.	47	85	43	6	7	-	-	4-6	4-6	2500
	Catterick (Sc) ...	192	19·5	0	W	2	c-bc	48	92	45	8	5	7	-	4-6	7-8	2500
	Tynemouth ...	108	18·4	0	W	3	b-bc	49	75	40	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	15·3	+2	W	5	b-bc	49	85	45	7	5	-	-	2-3	2-3	4000
	Leuchars ...	36	16·6	+6	W	4	bc	47	85	44	8	5	4	-	4-6	4-6	5400
12	Renfrew (Abbots I.)	19	18·5	0	W'S	3	c	49	92	46	7	5	1	-	7-8	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	21·6	0	NW'W	4	c	48	92	46	7	5	7	-	3-3	10	2000
13A	Tiree ...	44	19·4	+2	W	3	c	48	97	47	7	5	-	-	10	10	3500
13B	Stornoway ...	15	15·5	-4	WSW	4	c/d	48	92	47	7	5	-	-	10	10	1700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·7	+2	W	5	b-bc	49	85	44	9	-	4	-	0	2-3	-
	Wick ...	114	13·0	+4	WSW	4	c	47	92	46	8	5	7	-	4-6	9+	3100
16	Sumburgh ...	19	07·8	+2	WNW	6	c/d	47	92	45	6	5	-	-	10	10	1000
17	Blacksod Point	18	23·3	-4	WSW	1	c-bc/pr	48	92	46	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	84	20·8	+2	WSW	4	c	48	92	46	8	8	-	-	10	10	1500
	Aldergrove ...	268	22·4	0	W'S	2	c	47	85	43	7	5	-	-	10	10	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25·5	-8	S'E	2	c/r	49	85	45	8	5	-	-	10	10	1500
	Roches Point	22	25·6	-2	NNW	3	c	50	85	46	8	5	-	-	9+	9+	1500

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

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)	23·2	+6	WSW	1	z.	49	75	42	6	5	-	-	10	10	2500	0	*
	Croydon ...	23·8	+6	W	1	c	48	85	43	6	5	-	-	10	10	4500	0	*
	S. Farnborough	23·4	+4	NW'W	2	c	48	75	41	7	5	-	-	9+	9+	3000	0	*
	Boscombe Down	24·0	+2	W'N	2	c	52	92	50	7	5	-	-	10	10	4500	0	*
	Thorney Island	23·5	+2	W'S	2	z.	49	85	44	6	5	-	-	10	10	4000	0	*
	Lympne ...	23·2	+2	WSW	1	z.	47	85	44	6	5	2	-	9	10	5000	0	*2
	Manston ...	22·7	+6	WSW	1	z.	48	85	43	5	5	7	*	7-8	10	4000	0	*
2	Shoeburyness ...	22·8	0	W	2	z.	49	85	44	5	5	-	-	10	10	4000	1	*
	Felixstowe ...	22·4	+10	W	3	z.	48	85	42	5	5	-	-	10	10	5700	0	2
	Gorleston ...	21·1	+2	WSW	2	c	48	85	44	7	5	-	-	10	10	1700	0	2
	Mildenhall ...	21·8	+8	W'S	3	z.	48	85	43	6	5	2	-	7-8	10	4000	0	*
	Cranwell ...	20·8	+2	W'S	4	z.	47	85	44	6	5	-	*	10	10	5000	0	*
3	Birmingham ...	22·8	+4	WSW	2	m	47	85	43	4	5	-	*	10	10	2500	0	*
	Upper Heyford	22·9	+6	WNW	1	c	46	85	43	8	5	-	-	10	10	4500	0	*
4	Ross-on-Wye	23·1	0	SW	2	c	48	85	43	8	5	-	*	10	10	2500	0	*
5	Hartland Point	24·2	+4	WNW	3	c	48	97	48	8	7	*	4-6	9+	1700	0	3
	Bristol ...	24·4	+8	W	2	z.	48	92	45	6	5	-	-	10	10	4000	0	*
	Portland Bill ...	25·0	+8	NW	2	o	49	92	47	7	5	-	-	10	10	2500	1	3
	Plymouth ...	25·5	+2	SW'W	3	c	48	85	45	7	5	-	-	10	10	2000	0	1
	The Lizard ...	25·6	+2	W	2	c/pr	48	97	48	8	8	2	-	10	10	1500	0	
	Scilly (St. Mary's)	25·5	0	WNW	2	c	49	85	45	8	5	-	-	10	10	3000	0	2
	Guernsey ...																	
6	Pembroke ...	24·9	+2	NW	3	c	48	92	46	8	5	-	-	9+	9+	2500	0	2
7	Holyhead (Valley)	23·1	+2	W	3	c	48	85	44	8	5	-	-	10	10	4000	1	2
	Chester (Sealand)	23·1	+6	WNW	2	c	49	75	42	8	5	-	-	10	10	5000	0	*
8	Manchester ...	21·4	+2	W	2	z.	47	85	44	6	5	-	-	7-8	10	2000	1	*
10	Spurn Head ...	19·8	+4	W'N	4	z.	48	85	43	6	5	7	-	4-6	10	4000	0	3
	Catterick (Sc) ...	19·8	+10	WNW	4	c	49	85	45	8	8	3	2	2-3	9	3000	0	*
	Tynemouth ...	18·7	+6	W	3	bc	48	85	43	7	2	3	-	4-6	4-6	2500	0	2
11	St. Abbs Head	15·6	+4	W	5	c	48	85	42	7	5	7	-	4-6	9	3500	0	4
	Leuchars ...	16·9	+4	W	3	c	49	85	43	8	5	7	8	7-8	9+	3000	0	*
12	Renfrew (Abbots I.)	18·6	+4	W'S	3	c	47	85	44	7	5	7	5	4-6	9+	1800	0	*
	Eskdalemuir ...	19·4	+4	W	3	c	45	85	40	8	5	1	-	9+	9+	1800	0	*
	Point of Ayre ...	21·0	-2	NW	4	o	47	92	45	8	8	-	-	10	10	3000	0	3
13A	Tiree ...	18·7	+2	W	3	c/d	46	97	45	9	5	3	-	9	9+	2000	1	3
13B	Stornoway ...	15·1	+2	SW	3	c	48	97	47	7	8	3	-	7-8	9+	2200	1	2
15	Dalwhinnie ...	17·2	0	WSW	3	pr	43	85	38	7	5	2	-	7-8	10	1500	1	*
	Aberdeen † ...	16·3	+6	WNW	3	c	49	75	40	8	5	-	6	2-3	9+	3500	1	2
	Wick ...	13·1	+2	W'S	4	c	47	75	40	9	5	7	9	4-6	9	3000	0	*
16	Sumburgh ...	07·9	+2	W'S	6	c/r	47	92	45	7	5	-	-	4-6	9+	800	1	4
17	Blacksod Point	21·4	-2	WSW	3	c	50	92	48	8	6	-	-	9+	9+	1500	1	2
18	Malin Head ...	20·0	-2	W	3	c	47	92	45	8	5	-	-	9	9	1500	1	3
	Aldergrove ...	21·6	0	SW	3	c	45	92	43	9	5	-	-	9+	9+	2000	1	*
19	Birr Castle ...	23·4	-6	WSW	1	c	45	97	45	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	24·7	+2	SW	4	c/pr	49	85	45	9	8	-	-	9+	9+	2500	0	3
	Roches Point	24·9	0	NW	2	c	48	85	44	8	5	-	-	9+	9+	1500	0	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
1	London (Kew)	53	48	45	-	-	0·0
	Croydon ...	53	47	46	-	-	0·0
	S. Farnborough	54	47	45	-	-	0·0
	Boscombe Down	54	45	44	-	-	0·0
	Thorney Island	56	47	47	-	-	*
	Lympne ...	53	45	43	-	-	0·0
	Manston ...	55	45	42	-	-	0·5
2	Shoeburyness ...	57	47	36	-	-	0·0
	Felixstowe ...	60	45	39	-	-	4·3
	Gorleston ...	55	47	42	-	-	4·1
	Mildenhall ...	59	44	39	-	-	2·5
	Cranwell ...	59	45	42	-	-	3·0
3	Birmingham ...	51	46	44	-	-	0·0
	Upper Heyford	53	45	44	Tr	-	*
4	Ross-on-Wye	58	47	45	-	-	0·1
5	Hartland Point	50	47	46	-	-	0·6
	Bristol ...	54	47	40	-	-	0·2
	Portland Bill ...	53	47	*	-	-	*
	Plymouth ...	53	47	43	-	-	0·0
	The Lizard ...	52	44	*	-	Tr	0·0
	Scilly (St. Mary's)	53	48	*	Tr	-	0·1
	Guernsey ...						
6	Pembroke ...	51	47		-	-	0·0
7	Holyhead (Valley)	54	47	46	0·1	-	*
	Chester (Sealand)	53	49	46	-	-	0·1
8	Manchester ...	52	45		Tr	0·1	*
10	Spurn Head ...	55	46	*	-	-	4·4
	Catterick (Sc) ...	57	43	36	-	-	5·5
	Tynemouth ...	57	47	44	-	-	*
11	St. Abbs Head	55	47		-	-	
	Leuchars ...	63	45	41	-	-	6·5
12	Renfrew (Abbots I.)	54	46	44	Tr	Tr	0·8
	Eskdalemuir ...	55	44	44	-	Tr	5·1
	Point of Ayre ...	50	47	*	-	-	1·5
13A	Tiree ...	53	45	43	0·4	0·4	2·1
13B	Stornoway ...	53	51	44	Tr	Tr	0·7
15	Dalwhinnie ...	51	42	40	-	0·1	0·5
	Aberdeen † ...	62	47	42	-	Tr	6·3
	Wick ...	56	46	44	Tr	-	*
16	Sumburgh ...	47	46	44	2	0·3	0·1
17	Blacksod Point	54	46	*	1	0·4	*
18	Malin Head ...	52	45		Tr	Tr	2·5
	Aldergrove ...	53	44	43	Tr	Tr	0·9
19	Birr Castle ...	54	43	40	0·0	0·1	0·6
20	Valentia Obsy.	54	48	47	0·1	Tr	3·8
	Roches Point	53	48	*	Tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 9th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 10th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02714	56726	5-	52648	57658	5-	02638	29458	52	02646	23558
115	--	67109	53569	--	67109	53569	52	02735	57528	52	02844	93587
203	5-	13838	24428	58	03848	20428						
206	--5-	02954	22525	83	02953	57425	5-	02858	24328	57	02854	26326
210	13	02962	22427	53	02955	26427	52	21654	23456	51	02865	19327
219	5-	51766	24456	5-	52618	23458	5-	02768	23458	5-	61767	22327
230	5-	21848	23128	5-	10844	23257	5-	02746	18316	5-	58845	20358
245	14	02961	22415	14	01962	24413	04	01890	22313	5-	02864	25317
260				57	05654	56427	50	05661	53401	54	05665	20325
278	87	08843	26555	57	02854	26357	51	21747	25458	57	02866	22427
279	5-	02857	20327	5-	02957	24328	5-	02865	24428	5-	02865	24358
285	23	05635	28527							5-	56638	30558
288	5-	02856	25227	5-	02858	23328	50	01854	23325	51	02866	23227
575	5-	02846	26126	5-	02757	18157	50	05645	22125	5-	21845	18156
301	74	02854	24455	5-	02854	25328	5-	02778	24328	5-	02868	26328
321	80	05664	26228	50	02755	26427	5-	05667	24227	57	05655	24128
2.9	57	01753	28314	54	02763	18315	5-	02766	24316			
292	10	02866	24326	5-	02868	24328	5-	02857	22327	5-	02866	24126
310	--	51428	26448							--	26209	24349
614	5-	08477	26427	5-	05655	28327	5-	05568	26228	57	95546	24228

III	13h. G.M.T. 9th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 10th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	02764	28328	5-	02867	26258	5-	02878	25228	5-	21766	25128
334	--	02354	28216							--	03657	26128
340	52	02955	28328	5-	02858	30128	52	02755	24228	5-	02868	28128
136	5-	02756	28226	5-	05667	22327	00	05590	23314	5-	05668	22328
336	57	02756	28328	57	02754	28328				57	02754	24228
350	57	02755	28428	54	02754	26227	5-	05568	22128	5-	21768	24228
368				54	02744	24228	5-	05668	26128	5-	05644	24228
379	57	02855	28328	54	02867	28327	5-	02778	24228	5-	02858	28128
390	5-	05645	26328	54	05556	24327	5-	08438	24228	5-	05558	24248
382	52	02857	30328	5-	02843	27327	5-	02768	26228	5-	02768	25128
438	5-	02668	30228	52	01655	26228	5-	05658	26228	52	05665	26228
430	5-	02858	28428	5-	02768	24228				5-	05668	21228
409	5-	02867	22328	7-	02944	29327	5-	21768	32258	5-	02835	29228

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h_s, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
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 April

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.	Min.
Kew ...	cz.	cz.	cz.	0·3	<0·1
Croydon ...	cz.	cz.	cz. mm.	Time 22h 9th	2-5h 10th
Greenwich ...	c	c	cm.		
Camden Square	c	c	*		
Kensington ...	c	c	*		
Hampstead ...	o	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 % To-day
Kew ...	53	48	45	-	-	0·0	*	*
Croydon ...	53	47	46	-	-	0·0	*	*
Greenwich ...	53	48	44	-	-	0·0	71	73
Westminster ...	54	47	46	-	-		75	80
Regent's Park ...	52	49	47	-	-		66	77
Camden Square	53	49	46	-	-	*	*	79
Kensington ...	54	48	45	-	-		67	77
Hampstead ...	52	45	42	-	-		*	

SECRET

Page 1

BRITISH SECTION

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

Sunday 11th April 1943.

No. 29725

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·2	-4	NW'W	2	z	53	65	41	6	8	-	-	10	10	1500
	Croydon ...	23·8	-2	W	2	z	53	75	44	6	7	-	-	10	10	5000
	S. Farnborough	23·6	-4	NW'W	3	c	54	65	41	7	7	-	-	10	10	2500
	Boscombe Down	24·0	-2	W	2	c	51	75	43	8	7	-	-	4-6	10	2500
	Thorney Island	23·7	-2	W	3	c	54	75	45	8	7	-	-	10	10	4000
	Lympne ...	23·0	-2	W'N	2	c	55	55	39	7	8	-	-	4-6	9+	1800
	Manston ...	22·9	-2	NW	3	c/p	54	65	41	5	8	-	-	9	10	2000
2	Shoeburyness ...	22·9	-4	W	3	z	54	65	43	6	5	-	-	10	10	5700
	Felixstowe ...	22·2	+2	W'N	3	c	54	75	45	7	7	-	-	9+	9+	5500
	Gorleston ...	21·2	+2	WNW	3	c	55	55	41	7	5	-	-	10	10	1000
	Mildenhall ...	22·1	0	WNW	4	c	54	55	39	8	7	-	-	4-6	10	3000
	Cranwell ...	21·6	+2	WNW	4	c	51	65	39	7	5	-	-	10	10	3000
3	Birmingham ...	23·5	0	WNW	3	c	50	65	39	7	5	-	-	10	10	2500
	Upper Heyford	23·0	0	NW'W	2	c	51	65	41	8	8	-	-	4-6	10	3000
4	Ross-on-Wye	23·6	0	W	3	c	51	55	37	8	5	-	-	10	10	2500
5	Hartland Point	25·3	+2	WNW	3	c	51	75	44	9	8	-	-	9+	9+	2500
	Bristol ...	24·4	0	W	3	c	53	65	42	7	7	-	-	10	10	5700
	Portland Bill ...	25·4	0	W	3	c	50	92	48	8	5	-	-	10	10	2500
	Plymouth ...	25·8	-2	WNW	3	c	53	55	38	8	8	-	-	10	10	3000
	The Lizard ...	25·9	0	NW	3	c	52	85	48	8	8	-	-	10	10	2000
	Scilly (St. Mary's)	26·8	0	W'N	2	c	54	65	42	9	7	-	-	9+	9+	3000
	Guernsey ...															
6	Pembroke ...	25·1	+2	W	2	c	50	85	45	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	23·2	-2	SW'W	4	c	53	85	46	8	7	-	2	7-8	9	5000
	Chester (Sealand)	22·7	+2	NW	3	c	52	75	44	8	7	-	-	10	10	3500
8	Manchester ...	22·5	-2	W'S	3	c	49	75	43	7	8	-	-	4-6	10	2000
10	Spurn Head ...	20·1	+2	WNW	5	c	52	65	42	7	5	3	-	4-6	9+	2500
	Catterick (Sc) ...	20·0	-4	W	3	c	52	75	44	8	5	-	-	10	10	2500
	Tynemouth ...	19·3	0	W	5	c	54	55	38	7	8	-	-	9	9	2200
11	St. Abbs Head	16·7	+2	W	5	c	52	75	44	7	2	4	-	4-6	9+	2000
	Leuchars ...	16·0	-10	WSW	3	c	56	65	44	8	8	7	-	4-6	9+	3500
12	Renfrew (Abbots I.)	18·2	-4	WSW	7	c/d	52	85	48	7	5	7	2	4-6	9+	1000
	Eskdalemuir ...	18·8	-4	SW'W	3	c	51	65	40	8	5	-	-	9+	9+	2200
	Point of Ayre ...	20·8	-4	WNW	4	c	57	65	45	8	5	-	-	9+	9+	5000
13A	Tiree ...	17·4	-8	SW	3	c	51	85	47	8	7	3	-	4-6	9	4000
13B	Stornoway ...	13·5	-10	WSW	5	pr	52	85	48	9	2	7	-	7-8	7-8	1800
15	Dalwhinnie ...	16·9	-2	WSW	3	c	51	65	40	8	8	-	1	7-8	9	450
	Aberdeen ...	15·4	-6	WNW	3	c/pr	55	55	38	8	8	-	8	9+	9+	3000
	Wick ...	13·0	+2	WSW	4	ir	51	75	43	8	5	7	9	7-8	9+	2000
16	Sumburgh ...	08·0	+4	W'S	6	c	48	85	44	7	5	7	-	2-3	10	900
17	Blacksod Point	20·1	-8	SW	3	c	53	85	49	8	8	-	-	9+	9+	1500
18	Main Head ...	18·8	-4	W'S	3	c	53	85	49	8	8	-	-	9+	9+	1500
	Aldergrove ...	20·6	-6	SW	3	c/bc/d	52	85	46	8	8	-	4	7-8	7-8	2000
19	Birr Castle ...	22·8	-6	WSW	2	c	54	65	43	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	23·7	-2	S'W	4	c/pr	53	85	49	8	5	-	-	9+	9+	1500
	Roches Point	24·6	-2	SW	3	c	51	85	47	8	8	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 10th April

District	Stations	Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·5	+6	W'N	2	z	53	65	40	6	5	-	-	9+	9+	2500	0	*
	Croydon ...	24·0	+6	W'N	3	c	53	65	42	6	5	-	-	10	10	5500	0	*
	S. Farnborough	23·8	+6	WNW	2	c	53	65	39	8	5	7	-	9	9+	2500	0	*
	Boscombe Down	24·2	+6	NWW	3	c	51	65	39	8	5	-	2	7-8	9+	4000	0	*
	Thorney Island	23·8	+2	W'S	2	z	52	75	45	6	5	-	-	10	10	5700	0	*
	Lympne ...	23·4	+6	W'N	1	z	51	75	41	6	5	2	-	7-8	10	4000	0	§
	Manston ...	22·9	+2	W'N	1	z	51	65	40	5	8	-	-	4-6	10	5500	0	*
2	Shoeburyness ...	23·2	+6	NW	2	z	55	65	40	6	5	-	-	10	10	5700	0	*
	Felixstowe ...	22·3	+6	W'N	3	z	52	75	42	6	5	-	-	10	10	5500	0	3
	Gorleston ...	21·6	+6	W'S	2	z	53	65	43	6	5	-	-	10	10	1500	0	2
	Mildenhall ...	22·4	+6	WNW	3	c	52	65	40	7	5	-	-	10	10	4000	0	*
	Cranwell ...	21·7	+6	WNW	4	c	51	65	39	7	5	-	-	10	10	5000	0	*
3	Birmingham ...	22·9	0	W	3	c	50	65	39	7	5	-	-	10	10	2500	0	*
	Upper Heyford	23·1	+4	NW'W	2	c	51	65	40	8	5	-	-	4-6	9+	2800	0	*
4	Ross-on-Wye	23·4	0	W'N	3	c	52	65	38	9	5	-	-	9+	9+	3000	0	*
5	Hartland Point	25·2	+2	NW	3	c	49	85	45	8	8	-	-	9+	9+	2000	0	3
	Bristol ...	24·8	+6	W	3	c	50	75	41	7	5	-	-	9+	9+	4000	0	*
	Portland Bill ...	25·5	+10	W	2	c-bc	50	92	48	8	5	4	-	4-6	7-8	4000	1	3
	Plymouth ...	26·1	+6	W'N	3	c	52	65	40	8	7	-	-	9+	9+	3000	0	1
	The Lizard ...	26·9	+4	WSW	3	c-bc	51	85	46	8	8	6	-	7-8	7-8	2000	0	3
	Scilly (St. Mary's)	26·8	0	WSW	2	c	50	92	47	9	5	-	-	9+	9+	2800	0	2
	Guernsey ...																	
6	Pembroke ...	24·8	-2	W'S	4	c	48	92	47	8	8	-	-	9+	9+	2000	0	3
7	Holyhead (Valley)	22·3	-6	SW	4	c	50	85	45	9	5	-	-	9+	9+	4500	1	3
	Chester (Sealand)	21·7	-2	W	1	c	54	65	43	8	5	-	-	9+	9+	4000	0	*
8	Manchester ...	21·9	-2	WNW	3	z	51	65	40	6	5	-	-	9+	9+	3000	1	*
10	Spurn Head ...	20·6	+2	W'N	4	c	50	65	40	7	5	6	-	4-6	9	2500	0	3
	Catterick (Sc) ...	20·0	+2	W	3	c	51	85	47	8	5	7	-	7-8	9+	2500	0	*
	Tynemouth ...	19·3	+2	W	3	c-bc	53	65	43	7	8	3	-	7-8	7-8	2200	0	2
11	St. Abbs Head	15·9	0	W	5	bc	52	75	45	7	2	4	-	4-6	4-6	2500	0	4
	Leuchars ...	15·8	+2	WNW	4	pr	54	75	46	8	9	6	6	7-8	9+	2500	0	*
12	Renfrew (Abbots I.)	17·4	-2	WSW	2	c	51	85	48	8	5	7	-	4-6	9	1000	1	*
	Eskdalemuir ...	18·3	+2	WSW	3	c/pr	50	75	42	8	5	7	-	7-8	9+	2200	0	*
	Point of Ayre ...	20·2	-4	W	4	c	51	85	46	8	5	-	-	9+	9+	4500	1	3
13A	Tiree ...	16·7	-6	SW	3	c/pr	49	92	47	8	7	3	-	4-6	9+	3500	0	3
13B	Stornoway ...	13·6	-2	WSW	4	c	50	97	50	8	5	-	-	9+	9+	3500	1	3
15	Dalwhinnie ...	15·0	0	WSW	3	c	47	75	39	8	5	-	8	4-6	9+	2500	0	*
	Aberdeen ...	14·5	+2	NW	3	c/pr	54	65	41	8	4	-	8	9+	9+	2500	1	2
	Wick ...	12·8	0	WNW	4	c	51	75	42	8	5	7	6	4-6	9	2000	1	*
16	Sumburgh ...	08·9	+8	NW'W	6	r	46	92	44	7	5	2	-	9	10	700	1	
17	Blacksod Point	18·0	-16	SSW	5	r	50	97	50	7	6	2	-	4-6	10	1500	1	
18	Main Head ...	17·6	-8	SSW	1	pr	50	85	46	8	8	-	-	7-8	7-8	1500	1	3
	Aldergrove ...	19·4	-6	SW'S	3	ir	52	75	43	9	8	7	8	4-6	9+	2500	1	*
19	Birr Castle ...	21·3	-8	WSW	2	bc	54	75	46	8	5	1	-	7-8	9	2500	1	*
20	Valentia Obsy.	22·7	-2	SSW	4	c	53	85	49	8	5	-	-	10	10	1500	0	4
	Roches Point	23·4	-6	SSW	4	c/d	51	92	49	8	5	-	-	9	9	1500	0	

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 10th (39)	Weather. 13h.—18h. 10th (40)	Weather. 18h. 10th to 1h. 11th (41)	Weather. 1h.—7h. 11th (42)
1	London (Kew)	cz	cz yc z	cz	cm
	Croydon ...	cz	cz	cz cm	cm c
	S. Farnborough	cm c	cy	c cz c cm	cm bcc
	Boscombe Down	c	cc yc	c	cbcc
	Thorney Island	cm c	c	cm	cm c
	Lympne ...	cm r z c y	cyc	cz	cz c
	Manston ...	cz	cy z	czz	cz c
2	Shoeburyness ...	cm cz	cz		cz
	Felixstowe ...	cm c	cm c cm	cm	cm
	Gorleston ...	c	cz	cmz	cz c
	Mildenhall ...	ccy	cyc	c	ccir
	Cranwell ...		c	ccm	cm c
3	Birmingham ...	c	c	c	cpr
	Upper Heyford	c	c	c	c c m c
4	Ross-on-Wye	cc	cy c v t	cv	c
5	Hartland Point	c	c	cbc	cid o
	Bristol ...	cm id c	cc	c c ir	bcc
	Portland Bill ...	oc	cc	c	c
	Plymouth ...	c	cyc	cid	cbcc
	The Lizard ...	op c	c	c	cbcc
	Scilly (St. Mary's)	c	c	cbcc	cw
	Guernsey ...				
6	Pembroke ...	c	c	c	cid q
7	Holyhead (Valley)	c	cv	c ir c	c
	Chester (Sealand)	c	c	c	id c
8	Manchester ...	cmp r z	c c m	cz	cid m
10	Spurn Head ...	c	cz	bcm	c
	Catterick (Sc) ...	c	c	cm c	c c r c b c
	Tynemouth ...	bcc	c	cm	cb c m
11	St. Abbs Head	cbcc	bcc	cbc c p r c	c p r d b o
	Leuchars ...	c	c j p p r	c p r r r	c r r ir m c
12	Renfrew (Abbots I.)	c c d d c m c	c c i d c	c m r r r	c m r r c m c
	Eskdalemuir ...	c	c p r c	c p r p r c	c p r b c c
	Point of Ayre ...	c	c p r c	c i r c	c b c c
13A	Tiree ...	c b c c	c p r c	c r r d d m c	c c i r
13B	Stornoway ...	c	c c p r c	c i r c	c r r m c
15	Dalwhinnie ...	o r r c o p r c	c p r		c o p r b c
	Aberdeen ...	c p r c y	c y c p r	c *	c i r
	Wick ...	c i r	c p r c	c i r r r	c r r
16	Sumburgh ...	c p r	c p r r r	m c	c
17	Blacksod Point	c	f	c	c
18	Main Head ...	r	c	r	c
	Aldergrove ...	c i d	c i r	c i d b c	b b c m c m
19	Birr Castle ...	c	c	*	d
20	Valentia Obsy.	pr	c	r	r
	Roches Point	pr	f	pr	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday, 11th April

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light or moderate southwest wind; cloudy; rather warm.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate southwest wind; cloudy; hill fog and local coast fog, local rain; rather warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate southwest wind; cloudy; occasional rain; rather warm.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Moderate southwest wind; cloud; occasional rain, hill fog and local coast fog; rather warm
14 Mid Scotland 15 N.E. Scotland	As 9-11
16 Orkneys and Shetlands	Light east to southeast wind veering southwest moderate; cloudy, occasional rain and local fog; rather cold.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 5-8

GENERAL INFERENCE

An anticyclone is centred to southwest of the British Isles. Weather will be mainly cloudy with occasional rain in the North and local rain in the South

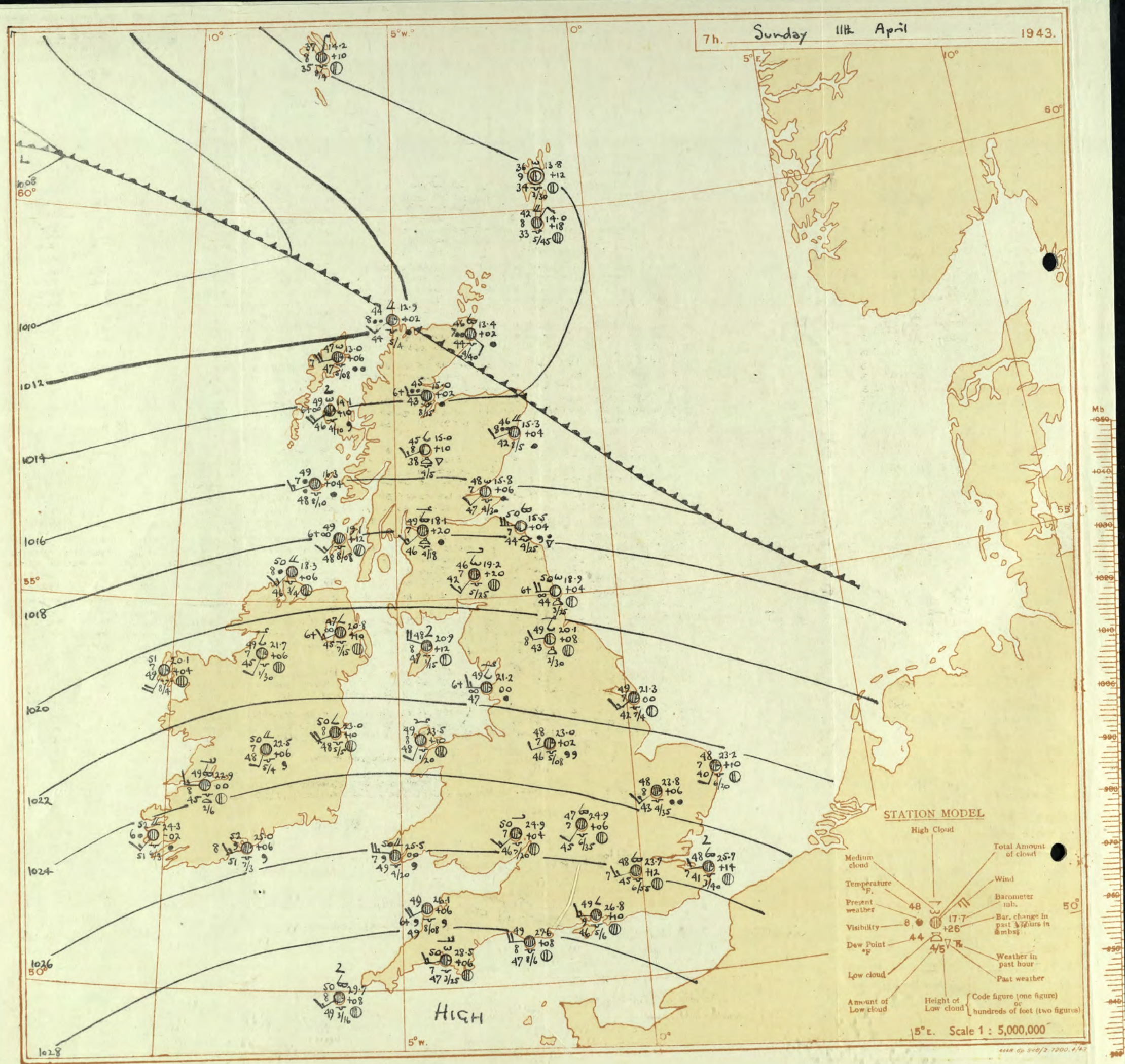
FURTHER OUTLOOK

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. Sunday 11th April 1943.



4448 Gp 940/2 7200. 4/43

4448 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.

Sunday 11th April 1943

No. 29725

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·7	-6	W'S	2	z_0	48	85	43	5	5	-	-	10	10	3100
	S. Farnborough	226	26·1	+10	W'N	3	z_0	48	85	42	6	5	7	-	9	9+	4900
	Boscombe Down	417	26·5	+8	WNW	3	c	47	85	43	7	5	-	-	10	10	4000
	Thorney Island	10	26·2	+14	WNW	2	z_0	45	85	41	6	5	-	-	7-8	7-8	5700
	Lympne ...	283	25·0	+6	W	2	z_0	48	75	41	6	5	-	-	10	10	4200
	Manston ...	154	24·5	+6	W	1	z_0	49	65	38	5	5	-	-	10	10	4200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24·0	+2	W'S	3	z_0	49	75	41	5	-	7	-	0	10	-
	Gorleston ...	5	22·3	+2	SW'W	2	z_0	49	75	40	6	5	-	-	10	10	1000
	Mildenhall ...	15	23·7	+8	WSW	3	c	48	75	41	7	5	-	-	10	10	6500
	Cranwell ...	203	22·8	+4	SW'W	3	z_0	47	75	41	6	5	-	-	10	10	4000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·8	+10	SW'W	3	c	47	75	40	7	5	-	-	10	10	3800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·7	-4	W	4	bc	48	97	48	8	2	4	-	1	4-6	2500
	Bristol ...	209	26·6	+2	W	4	bc/r	48	92	46	7	5	-	-	4-6	4-6	4000
	Portland Bill ...	32	26·4	+4	W	3	c	48	85	44	8	5	-	-	10	10	1500
	Plymouth ...	82	28·0	+6	W'S	3	c/d	49	85	45	8	5	7	-	9	10	2500
	The Lizard ...	240	28·1	+10	WNW	3	c-bc	50	85	46	8	5	-	-	7-8	7-8	1000
	Scilly (St. Mary's)	163	28·2	+4	W'S	4	c-bc	49	92	48	8	8	-	-	7-8	7-8	2000
	Guernsey ...	175															
6	Pembroke ...	142	26·0	+2	WSW	5	c	49	97	49	7	8	-	-	10	10	2500
7	Holyhead (Valley)	32	22·6	-2	SW	5	ir_0	49	92	47	8	5	-	-	10	10	2200
	Chester (Sealand)	16	22·0	-2	WSW	3	id_0	50	85	45	7	5	-	-	9	9	2600
8	Manchester ...	235	22·3	-2	SW	4	z_0	48	85	42	6	5	-	-	10	10	4000
10	Spurn Head ...	29	21·7	+4	WSW	3	z_0	47	75	39	6	5	4	-	2-3	4-6	2500
	Catterick (Sc)...	192	20·3	0	W	2	c-bc	48	85	42	7	5	7	-	2-3	7-8	3500
	Tynemouth ...	108	19·3	-4	W	3	z_0	50	75	43	6	2	-	-	9	9	2500
11	St. Abbs Head	280	15·5	-16	W	5	c/pr	48	85	44	7	5	-	-	10	10	2500
	Leuchars ...	36	16·1	-4	WSW	2	r_0r_0	47	92	45	7	5	-	-	10	10	1800
12	Renfrew (Abbots I.)	19	16·6	-10	SW	3	r_0r_0	48	97	47	6	5	2	-	7-8	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	19·4	+6	W	6	c	50	92	47	8	8	-	-	9+	9+	2500
13A	Tiree	44	15·9	-2	W'S	4	c/d	49	97	48	7	5	-	-	10	10	1000
13B	Stornoway ...	15	13·0	-8	S	4	c.	47	97	47	8	5	-	-	9+	9+	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·9	-2	WSW	1	c	47	85	42	9	5	7	-	4-6	9+	4500
	Wick ...	114	13·5	+4	WSW	1	r_0r_0	46	92	44	7	5	-	-	10	10	2500
16	Sumburgh ...	19	12·3	+14	N	2	c	41	85	38	7	5	-	-	2-3	10	2500
17	Blacksod Point	18	20·4	+8	WSW	3	c	50	92	48	7	6	-	-	10	10	1500
18	Malin Head ...	84	17·1	+10	W'S	5	c-bc	49	92	47	8	5	7	-	4-6	7-8	1500
	Aldergrove ...	268	19·8	+2	SSW	2	b-bc	48	92	46	7	5	-	-	2-3	2-3	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·1	+6	SW'S	3	ir_0	52	92	50	7	5	-	-	10	10	1500
	Roches Point	22	24·8	+2	WSW	4	c-bc	51	92	49	8	8	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 11th April — 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 10th Hrs. (38)
London (Kew)	26·0	+10	SW	2	z_0	48	85	44	6	5	-	-	10	10	2500	0	*	54	47	38	-	-	0·0
Croydon	23·7	+12	W'S	3	c	48	85	45	7	5	7	-	9	10	5700	0	*	55	45	42	-	-	0·0
S. Farnborough	26·4	+10	W'S	4	c	48	85	44	8	5	7	-	7-8	10	2500	0	*	55	45	39	-	-	0·0
Boscombe Down	26·5	+6	WSW	3	c	47	85	44	8	5	7	8	4-6	9+	2500	0	*	53	48	41	-	-	0·0
Thorney Island	26·8	+10	W	3	c	49	85	46	9	5	1	-	7-8	9+	4000	0	*	54	45	39	Tr	-	*
Lympne	26·3	+10	W'N	2	c	48	85	43	8	-	9	-	0	9	-	0	§3	56	46	45	Tr	-	0·0
Manston	25·7	+14	W	2	c	48	75	41	7	5	7	6	2-3	9+	4000	0	*	55	47	45	-	-	0·0
Shoeburyness	26·1	+12	WSW	3	z_0	49	85	44	6	5	-	-	9	9	4000	0	*	55	47	42	-	-	0·0
Felixstowe	24·8	+10	WSW	3	z_0	47	85	42	6	5	-	-	9+	9+	5700	0	3	50	46	42	-	-	[illegible]
Gorleston	23·2	+10	SSW	2	c	48	75	40	7	5	-	-	9	9	2000	0	2	55	47	44	-	-	0·0
Mildenhall	23·8	+6	SW'W	3	c/r	48	85	43	8	5	-	-	4-6	9+	3500	0	*	55	46	42	-	-	0·2
Cranwell	22·1	+2	WSW	4	c	48	85	43	7	5	7	2	7-8	9	3000	0	*	53	45	*	-	-	0·0
Birmingham	24·2	+2	WSW	3	c/pr	48	85	44	6	5	2	-	9	10	1500	0	*	51	46	42	-	Tr	0·0
Upper Heyford	24·9	+6	SW	2	c	47	97	45	7	5	7	-	9	10	3500	0	*	52	44	38	-	-	*
Ross-on-Wye	24·9	+4	SW	3	c	50	85	46	7	5	-	1	9+	9+	2000	0	*	53	47	43	-	-	0·0
Hartland Point	26·1	+6	WSW	4	id_0	49	97	49	6	5	-	-	10	10	800	0	4	53	48	47	-	Tr	0·0
Bristol	26·0	+2	WSW	4	id_0	50	92	47	5	5	7	-	9	10	800	0	*	54	50	44	Tr	Tr	0·3
Portland Bill	27·6	+8	W	4	c	49	92	47	8	5	-	-	10	10	4000	1	3	51	45	*	-	-	*
Plymouth	28·5	+6	W'S	3	c	50	92	47	7	5	3	2	2-3	9	2500	0	1	55	48	43	-	Tr	0·1
The Lizard	28·5	+10	W	4	c-bc	50	97	50	8	5	-	-	7-8	7-8	1500	0	3	53	48	*	Tr	-	0·2
Scilly (St. Mary's)	29·7	+8	SW'W	3	c	50	97	49	8	5	7	6	2-3	9+	1600	0	3	55	48	*	*	-	0·0
Guernsey																							
Pembroke	25·5	0	W'N	5	id_0	50	97	49	7	5	2	-	4-6	10	2000	0	3	51	47	*	-	Tr	0·0
Holyhead (Valley)	23·5	+10	SSW	2	c	49	92	48	8	5	-	7	Tr	10	2000	1	3	54	47	46	-	-	*
Chester (Sealand)	22·8	+10	WNW	3	c	53	75	45	8	5	-	6	4-6	9+	2000	0	*	55	50		-	Tr	
Manchester	22·8	+14	W	4	z_0	50	92	46	6	5	-	-	9	9+	1300	1	*	52	47	41	Tr	0·1	*
Spurn Head	21·3	0	WSW	3	c	49	75	42	7	5	-	-	9+	9+	1500	0	3	53	46	*	-	Tr	0·1
Catterick (Sc)...	20·1	+8	W	2	bc	49	85	43	8	2	4	8	1	4-6	3000	0	*	53	48	45	-	Tr	
Tynemouth	18·9	+4	W	2	z_0	50	85	44	6	2	3	-	2-3	4-6	2500	1	2	55	47	45	-	0·1	*
St. Abbs Head	15·5	+4	W	5	bc/pr	50	85	44	7	4	7	-	4-6	4-6	2500	0	4	53	45	*	-	Tr	*
Leuchars	15·8	+6	SW	2	c-bc	48	97	47	7	5	3	-	4-6	7-8	3000	1	*	59	46	42	Tr	1	4·8
Renfrew (Abbots I.)	18·1	+20	SW	3	c	49	85	46	7	8	7	8	4-6	9+	1800	1	*	56	47	44	0·2	2	3·0
Eskdalemuir	19·2	+20	SW	3	c	46	85	42	7	5	5	1	7-8	9	2500	1	*	52	44	42	0·2	1	1·0
Point of Ayre	20·9	+12	W'N	4	c	48	97	47	8	6	-	6	Tr	9+	1500	1	3	58	47	*	0·2	1	2·8
Tiree	16·3	+4	WSW	3	ir	49	97	48	7	5	-	-	10	10	1000	1	3	54	47	43	Tr	5	2·0
Stornoway	13·0	+6	WSW	4	c/r	47	97	47	7	5	3	-	7-8	9+	800	1	2	53	46	44	Tr	4	1·8
Dalwhinnie	15·0	+10	WSW	3	bc	45	75	38	8	8	4	-	4-6	4-6	2500	1	*	52	41	40	0·4	1	2·3
Aberdeen †	15·3	+4	WSW	1	r_0r_0	46	85	42	8	-	2	-	10	10	2500	1	2	56	43	36	Tr	0·3	1·7
Wick	13·4	+2	SE	1	r_0r_0	46	92	44	7	5	7	-	4-6	10	4000	1	*	55	44	44	1	1	*
Sumburgh	14·0	+18	NE'E	2	c	42	65	33	8	5	2	-	7-8	10	4500	1	3	48	40	36	2	2	0·9
Blacksod Point	20·1	+4	SSW	4	c	51	92	49	7	6	-	-	10	10	1500	1	3	54	49	*	0·6	0·1	*
Malin Head	18·3	+6	SW	3	ir_0	50	85	46	8	5	2	-	2-3	10	1500	1	3	54	48	47	Tr	2	0·7
Aldergrove	20·8	+10	SW'W	3	z_0	47	92	45	6	5	1	-	9+	10	1500	1	*	54	41	42	0·1	Tr	1·5
Birr Castle	22·5	+6	SSW	2	c	50	92	48	7	5	2	-	7-8	10	1500	1	*	55	49	44	-	0·3	0·3
Valentia Obsy.	24·3	-2	SW'S	3	ir_0	52	97	51	6	5	2	-	9	10	800	1	3	56	51	50	Tr	0·5	1·1
Roches Point	25·0	+6	WSW	3	id_0	52	97	51	8	5	-	-	9+	9+	800	0	3*	53	51	*	*	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 10th April ...... 18h. G.M.T. — 01h. G.M.T. 11th April ...... 07h. G.M.T.

$IIIC_LC_M$ (13h)	$wwVhN_h$ (13h)	DDFWN (13h)	C_LC_M (18h)	$wwVhN_h$ (18h)	DDFWN (18h)	C_LC_M (01h)	$wwVhN_h$ (01h)	DDFWN (01h)	C_LC_M (07h)	$wwVhN_h$ (07h)	DDFWN (07h)
109 84	02762	56625	87	02745	56627	5-	62647	24367	5-	52428	18258
115 52	25844	57587				--	62109	20389			
203											
206 7-	01954	26565	--57	01954	24354	--5-	02858	24228	--5	62648	24268
210 77	25864	22466	83	22954	23366	52	02753	21366	02	62745	15268
219 80	01964	20484	77	02764	18326	5-	54638	15468	53	05644	20457
230 5-	22557	20467	5-	51858	20358	5-	52638	00068	54	05745	18256
245 83	02964	23487	2-	02857	24387	02	61790	24268	17	61754	22167
260 53	02755	20327	87	81755	23427	02	22658	20468	50	02764	20425
278 7-	61867	23427	87	02855	22357	5-	01854	21364	53	02751	20217
279 8-	02867	21427	5-	61857	22387	52	64646	20368	53	02763	22427
285 5-	51848	24558									
288 5-	02867	24327	59	02855	23227	5-	02878	20328	59	01851	22364
575 8-	02857	22127	57	02846	22127	51	02745	16126	54	02761	18227
301 7-	02867	23427	5-	02867	22327	5-	02868	55468	04	05690	24366
321 57	05665	25327	53	05665	24327	57	05655	22227	57	05663	22225
[illegible] 80	02755	24115	50	02756	24316	8-	02756	24426	81	02754	22215
292 7-	02954	24328	53	02965	24325				14	02852	24264
310											
614 52	05666	24228	5-	05688	26228	5-	05667	22227	54	05664	22226

13h. G.M.T. 10th April ...... 18h. G.M.T. — 01h. G.M.T. 11th April ...... 07h. G.M.T.

$IIIC_LC_M$ (13h)	$wwVhN_h$ (13h)	DDFWN (13h)	C_LC_M (18h)	$wwVhN_h$ (18h)	DDFWN (18h)	C_LC_M (01h)	$wwVhN_h$ (01h)	DDFWN (01h)	C_LC_M (07h)	$wwVhN_h$ (07h)	DDFWN (07h)
333			23	04842	20326	62	61635	20568	54	02743	22228
334 --	03657	24128									
340 5-	02965	28128	57	02966	24328	5-	02758	22228	50	02854	42326
136 5-	05678	24328	57	05665	21850	5-	05668	22318	54	22267	20327
336 57	02756	28328	13	01753	24315						
350 8-	02864	26328	5-	02868	24228	5-	02768	24228	57	05665	20327
368 57	02754	24328	5-	02758	24328				5-	52525	22358
379 7-	02855	26328	5-	02857	24227				5-	02746	24328
390 7-	05655	26328	5-	05668	24228	5-	05668	24228	50	05677	20327
382			5-	02867	27227	57	02766	24328	52	02846	24328
438 82	02665	22628	52	02767	26328	5-	02656	26316	50	02755	24315
430 5-	02744	22328	5-	02754	22228	5-	05677	27127	54	02755	22226
409 8-	81955	27228	5-	02967	25327	5-	02836	23326	5-	02726	21428

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 11th April
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 ...	cz_0	cz_0ycz_0	cm_0
Croydon ...	cz_0	cz_0cm_0	cm_0
Greenwich ...	c	c	c_0
Camden Square	c	c	*
Kensington ...	c	c	*
Hampstead ...	o	o	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 9h. Max. Time 0·3 20-21h 10th. Min. Time <0·1 0-3h 11th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew ...	54	47	38	-	-	0·0	*	*
Croydon ...	55	45	42	-	-	0·0	*	*
Greenwich ...	53	46	39	-	-	0·0	62	76
Westminster ...	55	47	41	—			80	81
Regents Park ...								
Camden Square	54	47	43	-	-	*	*	81
Kensington ...	55	46	46	-	-		68	82
Hampstead ...	53	44	38	-	-		*	84

SECRET

Page 1 BRITISH SECTION

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

Monday 12th April 1943.

No. 29726

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

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)	25·9	-2	WSW	3	z	56	75	47	6	8	7	-	4-6	9+	2500
	Croydon	26·6	+2	W	4	c	57	55	50	7	5	7	-	7-8	10	2000
	S. Farnborough	26·5	-8	W'N	3	c	58	65	46	7	7	7	6	7-8	9	5000
	Boscombe Down	27·0	0	NNW	4	c/d	54	85	49	8	8	-	-	4-6	10	800
	Thorney Island	27·3	+2	SW	4	c	55	85	49	7	5	7	-	9+	10	2500
	Lympne	26·6	+2	WSW	2	c	55	75	46	8	7	-	-	4-6	9+	2000
	Manston	25·7	0	W	3	c	57	65	45	7	7	-	-	9	9	5000
2	Shoeburyness	24·4	-4	WSW	4	z	59	65	47	6	5	-	-	7-8	7-8	4000
	Felixstowe	24·0	-4	W	3	c	60	65	47	7	7	1	-	4-6	9+	4000
	Gorleston	22·9	-6	W	4	bc	62	45	41	7	2	-	-	4-6	4-6	3000
	Mildenhall	23·5	-2	W	5	c	63	55	45	8	2	6	8	4-6	9	2500
	Cranwell	22·5	-2	WNW	5	c	62	45	40	7	5	3	-	Tr	9+	4000
3	Birmingham	24·1	+2	WSW	4	c	60	55	44	8	7	7	8	4-6	9+	2500
	Upper Heyford	24·6	0	W	3	c	58	65	45	8	2	1	-	7-8	10	1500
4	Ross-on-Wye	25·5	+4	SW'W	7	c	57	65	45	8	5	-	7	7-8	9+	3000
5	Hartland Point	27·2	+6	WSW	4	c	51	92	50	7	5	7	-	4-6	9+	1500
	Bristol	27·7	+8	W	4	o/d	52	97	51	6	5	-	-	10	10	450
	Portland Bill	28·4	+4	WSW	4	c	50	92	46	8	5	-	-	10	10	4000
	Plymouth	29·4	+4	SSW	4	c	53	85	50	8	5	-	-	4-6	10	2000
	The Lizard	29·3	+8	W	4	c	53	92	51	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	29·3	+2	SW'W	4	c	54	85	49	8	5	4	-	4-6	10	1600
	Guernsey															
6	Pembroke	26·8	+6	WSW	4	z	50	97	50	6	5	-	-	10	10	1500
7	Holyhead (Valley)	23·8	0	S'W	4	c	52	85	49	7	5	-	7	9	10	800
	Chester (Sealand)	23·0	-2	W'N	3	c	59	65	49	8	7	-	8	7-8	9+	2500
8	Manchester	22·8	-8	W'N	4	z	59	65	46	6	2	-	9	2-3	7-8	2500
10	Spurn Head	21·8	0	W'N	4	c-bc	56	55	41	7	7	3	2	4-6	7-8	1500
	Catterick (Sc)	20·6	+4	WNW	3	c	55	65	42	8	5	7	-	4-6	9+	3000
	Tynemouth	19·9	+2	W	4	z	55	65	42	6	5	-	-	9+	9+	2500
11	St. Abbs Head	17·6	+8	W	4	ir	53	85	47	7	5	-	-	9+	9+	3000
	Leuchars	17·1	+6	SW	4	ir	55	92	52	6	5	2	-	4-6	10	2000
12	Renfrew (Abbots I.)	18·6	-4	SSW	2	rr	50	92	48	6	5	2	-	4-6	10	800
	Eskdalemuir	19·8	+2	WSW	3	rr	50	85	46	6	5	7	-	7-8	10	1100
	Point of Ayre	21·4	0	W	5	c	56	75	49	8	5	1	-	Tr	10	2000
13A	Tiree	16·6	0	WSW	4	rr	50	97	49	6	5	-	-	4-6	10	300
13B	Stornoway	12·7	-6	WSW	6	rr	51	92	50	6	5	-	-	10	10	800
15	Dalwhinnie	16·5	+2	SW	3	pr	47	92	44	7	5	1	-	4-6	10	2500
	Aberdeen	15·5	0	NW	1	rr	56	65	45	6	5	2	-	9	10	2000
	Wick	13·8	+4	W	1	dd	50	92	48	7	8	2	-	4-6	10	2500
16	Sumburgh	15·2	+2	E	4	c	44	75	37	8	5	7	6	2-3	9+	5000
17	Blacksod Point	20·6	+2	SW'S	3	c	53	85	49	7	6	-	-	10	10	1500
18	Malin Head	17·7	-6	W	5	c-bc	54	85	50	8	5	2	-	2-3	7-8	1500
	Aldergrove	20·4	-8	SW	3	c-bc	57	65	47	8	5	1	8	4-6	7-8	1500
19	Birr Castle	22·4	-6	SSW	4	c	60	65	48	8	8	-	-	9	9	1500
20	Valentia Obsy.	23·8	-6	SW'S	5	c	57	85	53	8	5	-	-	9+	9+	1500
	Roches Point	25·2	+2	WSW	3	id	54	97	53	8	5	-	-	9+	9+	800

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

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)	25·3	-4	WSW	3	c	57	65	45	7	5	-	6	2-3	9	2500	0	*
	Croydon	25·6	-2	W	4	c-bc	57	75	47	7	4	6	-	2-3	7-8	1600	0	*
	S. Farnborough	25·9	-2	WNW	4	c	56	75	46	8	7	7	-	7-8	9	2000	0	*
	Boscombe Down	26·8	0	W'N	2	c	55	85	49	8	8	7	2	7-8	9+	1400	0	*
	Thorney Island	26·7	-2	WSW	3	z	54	85	50	6	7	7	6	4-6	9+	2500	0	*
	Lympne	25·1	-4	W	2	c-bc	57	75	49	8	1	-	9	1	7-8	3000	0	4
	Manston	24·5	-2	W	3	c	58	55	43	7	5	3	7	2-3	9+	3000	0	*
2	Shoeburyness	24·8	-4	W'S	3	z	59	65	45	6	5	-	4	7-8	7-8	4000	0	*
	Felixstowe	23·2	+2	W'S	4	c-bc	60	65	48	7	1	7	9	2-3	7-8	4000	0	3
	Gorleston	22·4	0	W	2	c	60	55	42	7	3	-	-	9	9	2000	0	2
	Mildenhall	23·0	-2	W	5	c	60	55	44	8	2	4	8	Tr	9+	4000	0	*
	Cranwell	21·9	-6	WSW	4	c-bc	59	55	43	8	7	-	1	4-6	7-8	4000	0	*
3	Birmingham	23·4	-6	WSW	3	c	57	65	45	8	5	-	8	4-6	9	2500	0	*
	Upper Heyford	24·3	-2	SW'W	3	c	56	75	48	7	5	7	8	2-3	9+	1500	0	*
4	Ross-on-Wye	24·4	-6	SWW	3	bc	55	75	48	8	8	-	2	2-3	4-6	3000	0	*
5	Hartland Point	25·9	-6	WSW	4	c	50	97	49	7	5	-	-	9+	9+	2000	0	4
	Bristol	26·3	-8	W	3	c	53	92	49	7	5	-	-	9+	9+	1500	1	*
	Portland Bill	27·2	-4	WSW	4	c	50	92	49	8	5	-	-	10	10	4000	1	4
	Plymouth	28·7	-4	SW	4	c	52	85	48	8	5	-	-	1	9	1500	0	2
	The Lizard	28·7	-4	WSW	4	c-bc	52	92	50	8	5	-	-	7-8	7-8	1500	0	4
	Scilly (St. Mary's)	28·0	+12	SW'W	4	c	53	85	49	8	5	3	-	7-8	9+	1600	0	4
	Guernsey																	
6	Pembroke	25·1	-6	WSW	5	z	50	97	50	6	5	-	-	10	10	1500	0	3
7	Holyhead (Valley)	22·2	-10	SSW	5	f	50	97	49	2	5	-	-	10	10	<150	1	3
	Chester (Sealand)	22·3	0	WSW	1	c	57	65	47	8	7	6	2	4-6	9	3000	0	*
8	Manchester	22·3	-2	SW	4	bc	57	65	44	8	4	-	9	4-6	4-6	4000	0	*
10	Spurn Head	21·4	-4	WNW	3	c-bc	52	75	43	6	7	4	2	4-6	7-8	1500	0	3
	Catterick (Sc)	20·5	-2	SSW	4	c	53	75	45	8	5	4	-	2-3	9+	3000	0	*
	Tynemouth	19·9	+4	W	3	c-bc	57	65	46	7	2	-	-	7-8	7-8	3500	0	2
11	St. Abbs Head	16·6	-2	W	4	ir	52	92	51	7	5	-	-	9+	9+	2500	1	3
	Leuchars	16·3	-8	WSW	4	vr	52	97	51	7	8	2	-	Tr	9+	1000	1	*
12	Renfrew (Abbots I.)	18·2	-2	W'S	3	c-bc/r	51	92	48	7	5	7	-	7-8	7-8	2000	1	*
	Eskdalemuir	19·0	-2	S	3	c	50	92	47	7	5	7	-	7-8	10	2200	1	*
	Point of Ayre	19·7	-6	W	5	bc	58	75	48	8	4	4	4	Tr	4-6	3000	0	3
13A	Tiree	16·6	+2	WSW	3	c/d	49	97	49	6	5	-	-	10	10	800	1	3
13B	Stornoway	14·2	+10	SSW	2	c/pr	52	97	51	8	8	-	-	9	9	2200	1	2
15	Dalwhinnie		0	W	3	c-bc	47	85	43	8	5	-	-	7-8	7-8	2500	1	*
	Aberdeen	15·4	-2	W'S	2	c	54	75	47	7	5	7	-	Tr	9+	2500	1	2
	Wick	14·4	+2	SE	1	ir	49	92	47	8	5	7	-	4-6	9	1500	1	*
16	Sumburgh	15·6	+4	E	4	c-bc	44	75	38	8	5	3	-	4-6	7-8	3500	0	2
17	Blacksod Point	19·0	-10	SW	4	c/d	53	85	49	7	6	-	-	9+	9+	1500	1	3
18	Malin Head	18·2	+2	SW	4	ir	51	85	47	8	5	2	-	4-6	10	1500	1	3
	Aldergrove	19·4	-4	SSW	3	c	55	65	45	8	5	7	8	4-6	9+	2800	1	*
19	Birr Castle	21·2	-10	SSW	2	c	57	65	45	8	5	7	-	7-8	9	2500	1	*
20	Valentia Obsy.	21·9	-12	SW'S	4	c/d	54	97	53	6	5	-	-	10	10	450	1	4
	Roches Point	23·4	-6	SW	4	c	54	92	52	8	5	-	-	9+	9+	800	0	4

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 11th (39)	Weather 13h.—18h. 11th (40)	Weather 18h. 11th to 1h. 12th (41)	Weather 1h.—7h. 12th (42)
1	London (Kew)	cmcz	czc	c	cid.d.cm.
	Croydon	ccz.c	ccyc	cbcc	bccid.
	S. Farnborough	c	ccyc	c	cdr.cid.
	Boscombe Down	cd.d.m.c	cpr.c	c	cd.d
	Thorney Island	c	cpd.c	cm.	cid.
	Lympne	c	cbc	bcbcm.c	bcm.d.
	Manston	c	ccy	cz.m.	cm.c
2	Shoeburyness	cm.cz.	cm.cz.c		cm.
	Felixstowe	ccz	c	bcbcw	bcwcm.
	Gorleston	cbcy	cy	bcybc	bc
	Mildenhall	ccy	cybc	cybcm.,m.	bccm.w
	Cranwell	c	cyv	cybcc	c,cm.
3	Birmingham	cbcc	c	cbc	bco
	Upper Heyford	c	ccyc	cid.	cr.r.d.d.
4	Ross-on-Wye	cc	cc	ccid.	cp.c
5	Hartland Point	oid.	cd.	dfdfo	dfrfduf
	Bristol	cd.m.	cid.m.c	c	cd.d.m.dd
	Portland Bill	c	cc	co	pir
	Plymouth	cbcc	cid.c	ccd.d.m.	cddddm
	The Lizard	c	c	cpr.c	coid
	Scilly (St. Mary's)	c	c	cdoc	c
	Guernsey				
6	Pembroke	oidifom.	oifm.	oid.m.f	oidfm.
7	Holyhead (Valley)	bcc	cfm	cm.	cm.of
	Chester (Sealand)	cbccy	c	c,bc	bccm.
8	Manchester	cm.z.	cz.c	bccm.	cbccm.
10	Spurn Head	bcz.	cz.	bc	bcz.
	Catterick (Sc)	c	c	bc	bcc
	Tynemouth	bcm.	c	cm.	cbbcm
11	St. Abbs Head	bccr.	cgir	cm.	bcbbc
	Leuchars	cbcmir	cmircrrgrc	cr.c	cbcc
12	Renfrew (Abbots I.)	ccm.r.r.	cm.r.r.rrc	ccm.	cm.
	Eskdalemuir	cr.r.m.	cr.r.m.c	cm.	OfFe
	Point of Ayre	irc	cbc	bccb	bbcc
13A	Tiree	orrm.	prDm.om.	c	ccir.
13B	Stornoway	cr.r.m.c	cr.r.m.pp	cid.m.c	c
15	Dalwhinnie	bcpr.	oprc		cp.prc
	Aberdeen	cr.bccr.	dcr.rrc	cbcbm.	bbccmw
	Wick	cir.crdcdd	cr.r.cir.	c	cr.r.c
16	Sumburgh	c	bcc	c	ccir.
17	Blacksod Point	c	d	d	d
18	Malin Head	r	r	r	bc
	Aldergrove	ccbc	bcc	c	cid.c
19	Birr Castle	c	c		r
20	Valentia Obsy.	r	r	r	r
	Roches Point	d	d	d	d

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

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	Moderate westerly winds; cloudy with occasional rain or drizzle: rather warm.
12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh southwest to west winds; cloudy with occasional rain: rather cold.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 12-15.

GENERAL INFERENCE

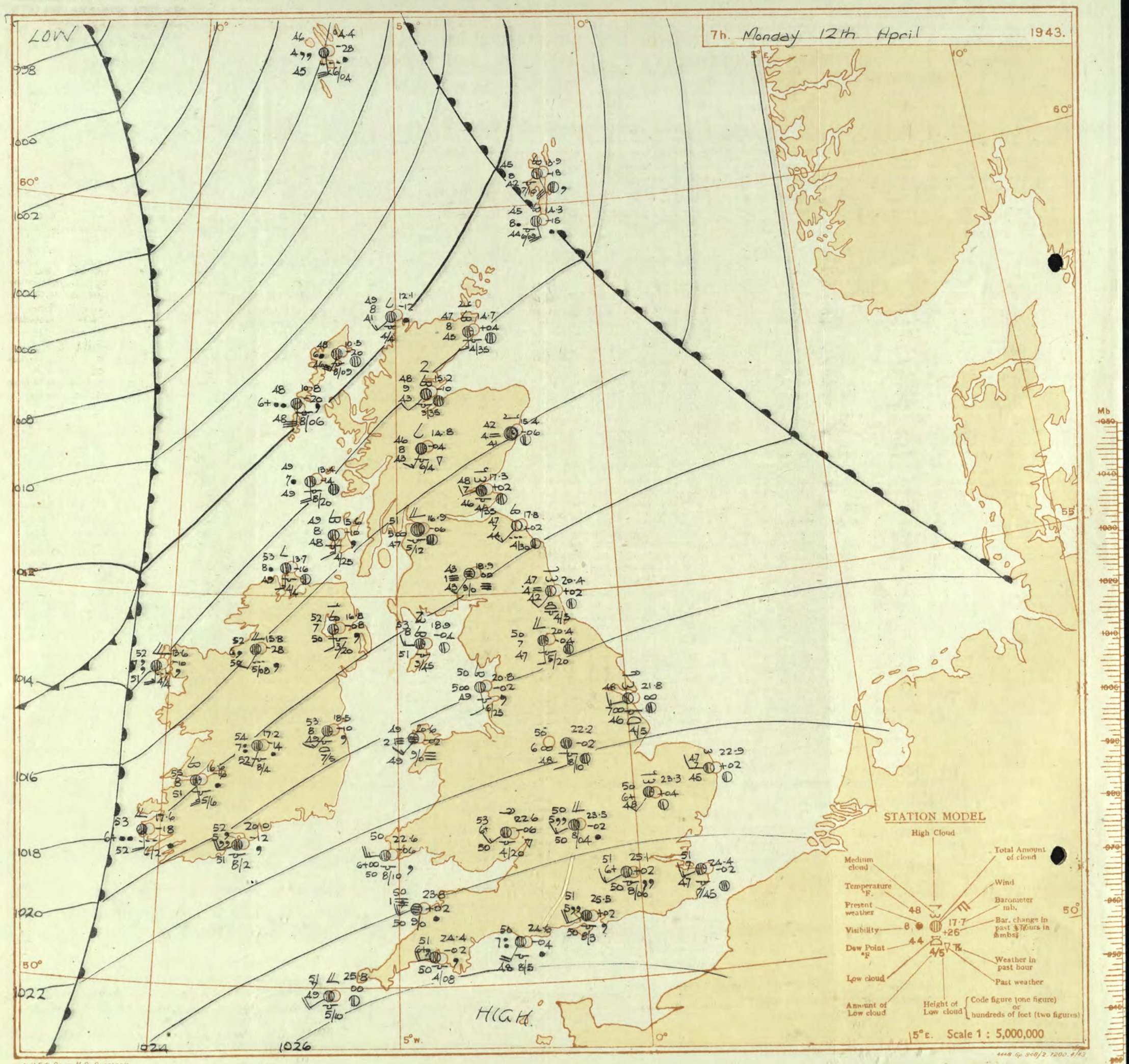
Pressure is high to the south of the British Isles. A depression is centred over Southwest Iceland and an associated trough of low pressure to the west of Ireland will cross the British Isles.

FURTHER OUTLOOK

Unsettled; generally cloudy with some rain in the South and considerable rain in the North.

Forecasts issued at

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



H.M.S.O. Press, M.O., Dunscable

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 12th April 1943

No. 29726

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

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	25·7	−2	W'S	3	c	53	85	47	7	−	4	6	0	9	−
	S. Farnborough	226	25·9	−2	SWW	3	c	51	75	46	8	5	−	−	10	10	1800
	Boscombe Down	417	26·1	−2	SW	3	c	50	92	47	7	5	2	−	7-8	10	1200
	Thorney Island	10	26·8	0	WSW	4	zo	51	85	48	6	5	7	−	2-3	4-6	4000
	Lympne	283	24·4	+2	WSW	3	bc	50	85	47	7	5	−	−	4-6	4-6	4500
	Manston	154	25·1	+2	WSW	2	zo	50	85	46	6	5	−	2	1	4-6	3000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	22·4	+2	WSW	3	zo	50	85	45	6	−	7	−	0	4-6	−
	Gorleston	5	22·9	+4	WSW	2	bc	50	85	45	7	5	7	−	2-3	4-6	2500
	Mildenhall	15	23·4	−2	WSW	3	zo	49	92	47	6	5	4	1	2-3	4-6	4500
	Cranwell	203	22·4	0	W'S	5	c	48	92	45	7	−	4	2	0	9	−
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·5	0	SW'W	3	ido	51	97	49	7	5	−	−	10	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·5	−8	WSW	5	f	50	97	50	3	−	−	−	10	10	<150
	Bristol	209	26·1	−4	SW'W	3	d.d.	51	97	49	4	5	−	−	10	10	1600
	Portland Bill	32	26·3	−8	SW	4	o	50	92	48	8	5	−	−	10	10	2500
	Plymouth	82	27·9	−6	WSW	4	dd	50	97	50	6	5	−	−	10	10	1000
	The Lizard	240	27·5	−10	WSW	5	c/pr	51	97	50	7	5	−	−	10	10	1000
	Scilly (St. Mary's)	163	27·1	−8	SW'W	4	c	51	97	50	7	5	−	−	10	10	800
	Guernsey	175															
6	Pembroke	142	23·6	−8	WSW	5	F	50	97	50	1	−	−	−	10	10	<150
7	Holyhead (Valley)	32	22·2	−2	SSW	5	zo	50	97	49	5	5	−	−	10	10	400
	Chester (Sealand)	16	22·0	0	WSW	1	b-bc	52	85	48	8	−	3	−	0	2-3	−
8	Manchester	235	22·4	−2	S	3	zo	50	85	47	6	5	−	−	9+	9+	1600
10	Spurn Head	29	21·7	0	WSW	3	bc	50	75	43	7	7	4	−	2-3	4-6	2500
	Catterick (Sc)	192	20·0	−4	SW	2	bc	47	92	46	8	−	7	−	0	4-6	−
	Tynemouth	108	20·0	+4	W	3	zo	51	75	41	6	8	−	−	9+	9+	2500
11	St. Abbs Head	280	17·4	+8	WSW	2	bc	50	92	47	7	5	−	−	4-6	4-6	2500
	Leuchars	36	17·7	+2	SW	2	c	49	97	48	8	5	1	−	4-6	10	3000
12	Renfrew (Abbots I.)	19	18·6	−4	SSW	1	zo	50	85	46	6	5	−	−	7-8	9+	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·0	+2	W	3	b	49	85	46	8	*	4	5	0	Tr	*
13A	Tiree	44	17·1	0	SW	2	c	49	92	48	7	5	−	−	10	10	2000
13B	Stornoway	15	14·4	+2	SSW	4	c/d	50	97	48	7	5	−	−	10	10	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	16·5	0	−	0	bc	42	97	42	8	−	7	−	0	4-6	−
	Wick	114	15·4	−4	S	1	c	45	97	44	8	5	7	−	7-8	9+	2500
16	Sumburgh	19	16·3	−4	ESE	4	c	44	92	42	8	5	7	−	4-6	10	2000
17	Blacksod Point	18	16·4	−22	S	4	ido	51	97	50	7	6	2	−	10	10	1500
18	Malin Head	84	17·0	−10	S'W	3	c	51	85	47	8	5	−	−	9+	9+	1500
	Aldergrove	268	19·8	−2	S'W	2	c	50	85	46	8	5	1	−	9	10	2900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·9	−14	S'W	4	iro	53	97	52	5	5	−	−	10	10	220
	Roches Point	22	22·2	−8	SW	4	dd	53	97	52	6	5	−	−	10	10	450

OBSERVATIONS at 7 hr. G.M.T. 12th April — 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)	Temp. Max. Day 7h–18h °F. (33)	Temp. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 11th Hrs. (38)
London (Kew)	24·6	−4	SW	3	zo	51	92	49	5	5	−	−	10	10	1500	1	*	60	50	46	−	Tr	1·2
Croydon	25·1	+2	SWW	3	o/d	51	92	50	6	5	−	−	10	10	600	0	*	61	51	48	−	Tr	1·8
S. Farnborough	24·6	−2	WSW	3	ido	51	92	49	7	5	−	−	10	10	800	1	*	62	49	48	−	0·1	0·1
Boscombe Down	25·0	+2	SW'W	2	c/d	51	92	49	7	5	2	−	9	10	1000	0	*	56	49	47	−	0·2	0·3
Thorney Island	25·5	+2	WSW	4	d.d.	51	92	50	5	5	−	−	10	10	800	1	*	58	50	43	Tr	0·1	*
Lympne	25·3	−2	W'S	2	ido	49	97	48	5	5	−	−	10	10	300	0	§3	60	46	43	−	Tr	3·1
Manston	24·4	−2	WSW	3	c	51	85	47	7	5	−	−	9+	9+	4500	0	*	61	47	44	−	−	3·4
Shoeburyness	24·5	+2	SW	3	zo	51	85	47	6	5	−	−	10	10	2500	0	*	62	49	41	−	−	2·5
Felixstowe	23·5	+2	SW	2	zo	50	92	48	6	−	7	2	0	7-8	−	0	2	64	47	42	−	−	[illegible]
Gorleston	22·9	+2	N	2	bc	47	92	45	7	−	3	−	0	4-6	−	0	2	63	42	42	−	−	4·5
Mildenhall	23·3	+4	SW'S	2	c	50	92	48	6	−	3	8	0	9+	−	0	*	65	48	42	−	Tr	5·7
Cranwell	21·6	−6	WSW	4	zo	51	92	49	6	5	7	−	4-6	9+	3500	0	*	63	48	44	−	−	5·3
Birmingham	22·7	0	SSW	3	o	50	97	49	6	5	−	−	10	10	800	0	*	60	50	46	−	−	2·5
Upper Heyford	23·5	−2	SW'W	3	d.d.	50	97	50	5	−	2	−	10	10	400	0	*	61	49	47	−	0·3	*
Ross-on-Wye	22·6	−6	SW	3	c-bc	53	85	50	6	5	−	2	4-6	7-8	2000	1	*	59	51	49	−	2	1·2
Hartland Point	23·8	+2	WSW	5	dF	50	97	50	1	−	−	−	10	10	<150	0	4	51	49	49	Tr	4	0·0
Bristol	24·6	0	SW	3	dd	52	97	51	4	−	2	−	10	10	800	1	*	54	50	49	0·3	3	0·0
Portland Bill	24·6	−4	SW	4	ir	50	92	48	7	5	−	−	10	10	2500	1	4	51	51	*	−	0·3	*
Plymouth	24·4	−2	WSW	4	ido	51	97	50	6	5	−	−	4-6	10	800	1	2	54	50	49	Tr	2	0·9
The Lizard	26·1	−4	SW	5	ido	51	97	51	8	5	−	−	10	10	1000	1	4	54	50	*	Tr	Tr	1·4
Scilly (St. Mary's)	26·4	0	SW'W	4	c	51	92	49	7	5	2	−	7-8	10	1000	0	4	55	50	*	−	Tr	0·7
Guernsey																							
Pembroke	22·6	−6	WSW	5	zo	50	97	50	6	5	−	−	10	10	1000	1	3	51	49	*	Tr	3	0·0
Holyhead (Valley)	20·6	−2	SW	3	F	49	97	49	2	−	−	−	10	10	<150	1	3	54	49	48	Tr	−	*
Chester (Sealand)	21·0	−2	WSW	1	c	54	85	50	6	7	−	−	9+	9+	2000	0	*	62	51	46	−	−	6·4
Manchester	21·2	−2	S'W	3	zo	51	92	49	6	5	−	−	9+	9+	2000	0	*	61	49	42	−	−	*
Spurn Head	21·8	0	WSW	3	zo	48	92	46	7	7	3	2	4-6	7-8	2500	0	2	57	46	*	−	−	4·2
Catterick (Sc)	20·4	−4	S	1	c	50	92	47	7	5	2	−	7-8	9+	2000	0	*	58	47	42	−	−	3·7
Tynemouth	20·4	+2	SW	2	m	47	85	42	4	8	3	1	4-6	4-6	2500	0	2	58	46	40	−	−	*
St. Abbs Head	17·8	+2	SW	3	bc	47	92	44	7	6	7	−	4-6	4-6	3000	0	3	54	43	*	0·4	Tr	2·7
Leuchars	17·3	+2	WSW	2	c-bc	48	97	46	7	5	3	8	4-6	7-8	3500	1	*	56	44	37	0·4	0·1	0·0
Renfrew (Abbots I.)	16·9	−6	−	0	zo	51	85	47	5	5	2	−	7-8	10	1200	1	*	55	48	44	4	−	
Eskdalemuir	18·9	0	SW'S	1	F+	43	97	43	1	−	−	−	10	10	<150	1	*	53	40	32	0·3	Tr	0·0
Point of Ayre	18·9	−4	W	3	c	53	92	51	8	5	7	9	2-3	7-8	4500	0	2	61	46	*	Tr	−	3·8
Tiree	13·4	−14	S	4	iro	49	97	49	7	5	−	−	10	10	2000	1	3	50	48	46	4	0·2	0·0
Stornoway	10·5	−20	SSW	6	iro	48	92	46	6	5	−	−	10	10	900	1	2	54	52	46	3	Tr	0·2
Dalwhinnie	15·5	−4	SSW	3	c	46	85	43	8	5	4	−	9	9+	1500	1	*	48	42	38	4	0·1	0·8
Aberdeen †	15·4	−6	−	0	c	42	97	41	4	−	−	7	0	9+	−	1	2	58	41	35	5	−	0·8
Wick	14·7	+4	S	3	c	47	92	45	8	5	7	7	4-6	9	3500	1	*	51	45	42	5	0·3	*
Sumburgh	14·3	−18	SSE	4	iro	45	97	44	8	5	7	−	9	10	900	0	2	46	43	38	−	Tr	4·1
Blacksod Point	13·6	−10	S'W	5	id	52	97	51	7	6	2	−	4-6	10	1500	2	4	54	50	*	Tr	2	0·3
Malin Head	13·7	−16	S	3	iro	53	85	49	8	5	1	−	4-6	10	1500	1	3	54	49		0·5	Tr	2·0
Aldergrove	16·8	−8	S	2	c	52	97	50	7	5	7	8	2-3	9	2000	1	*	60	46	40	0·1	0·1	
Birr Castle	17·2	−14	SSW	1	ir	54	92	52	7	5	−	−	10	10	1500	1	*	60	52	50	−	1	1·4
Valentia Obsy.	17·6	−18	S	4	roro	53	97	52	6	6	2	−	9	10	450	1	3	58	53	52	0·5	5	0·6
Roches Point	20·0	−12	WSW	4	dd	52	97	51	5	5	−	−	10	10	450	1	*	56	52	*	0·1	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th April ... 18h. G.M.T. — 01h. G.M.T. 12th April ... 07h. G.M.T.

III	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN
109	52	62636	00068	83	02745	20156	5-	02647	16258	57	21735	16158
115				52	09624	20248	52	67109	20269	54	02844	20365
203	6-	61838	16468	8-	81837	16467						
206	62	62824	24168	57	22854	00065	57	02865	24128	57	02963	20128
210	52	62753	20268	5-	22967	21367	57	51866	20258	54	02963	18218
219	5-	05628	21468	5-	52618	20468	5-	05658	18528	5-	62628	16658
230	62	64635	20468	5-	58438	20368	5-	21858	00058	5-	02857	18157
245	57	22854	22368	57	02964	23266	55	01864	24224	50	02961	24317
260	52	52644	20458	52	05653	23468	57	05564	20314	52	02756	20228
278	57	22752	19368	7-	02855	22326	53	01762	14213	57	02645	17327
279	57	22742	20468	53	02745	19426	5-	01765	22325	52	61656	26268
285										5-	05628	26428
288	07	61890	23268	57	02854	21427	07	05690	21324	53	02763	18228
575	50	02745	18325	80	02855	20226	53	02754	00027	62	51635	20158
301	51	02842	23328	50	02841	20324	5-	02756	20426	57	05556	17258
321	57	05651	25428	57	05674	22228	07	05690	00024	53	05564	18127
2.3	14	01764	24414	70	02766	24416	50	01763	24213	8-	05545	20215
292	12	61851	24268	27	02851	24268	57	02745	20328	5-	05557	20127
310										--	46209	16349
614	87	02754	26328	57	02763	22427	54	05664	24225	52	08465	18228

13h. G.M.T. 11th April ... 18h. G.M.T. — 01h. G.M.T. 12th April ... 07h. G.M.T.

III	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN
333	50	04745	20427	5·	51408	20628	5-	21418	20458	5-	43308	20348
334										--	52447	28358
340	17	02944	24325	73	02954	24327	7-	02754	22427	5-	51438	20328
136	14	02751	24426	09	02790	24326	50	02771	22318	05	05690	20215
336										52	21644	24358
350	87	02865	26426	47	02863	22326	5-	02735	22428	5-	52638	20328
368	5-	52525	55428	5-	52548	53458	5-	52528	24358	5-	52428	22458
379	57	02854	22427	57	02752	55326	5-	05638	22328	--	57209	18259
390	87	05664	24425	50	05661	22327	5-	05645	22425	5-	05548	20228
382	17	02855	23427	77	02854	23425	5-	51744	23358			
438	57	02745	24517	5-	04537	24627	5-	43348	24648	--	46109	22659
430	5-	05645	22328				50	05674	24224	5-	05538	20258
409	5-	02834	21428	5-	02854	21428	5-	62618	20468	5-	57308	21458

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 12th April
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	cmoczo	cz.c	cid.dcm
Croydon	cczoc	ccyc	bccid.
Greenwich	c	cbcy	bcd.d
Camden Square	c	c	*
Kensington	cbc	bc	*
Hampstead	o	bc	od

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ending 7h. Max. 0·1, Time 10h 11th. Min. <0·1, Time Rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	60	50	46	−	Tr	0·5	*	*
Croydon	61	51	48	−	Tr	1·8	*	*
Greenwich	62	50	44	−	1	1·5	56	95
Westminster	63	51	46	0·6			83	90
Regents Park								
Camden Square		51	48	−	0·3	*	*	97
Kensington	63	50	48	−	1		74	95
Hampstead	61	48	44	−	0·1		*	96

BRITISH SECTION

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

SECRET

Tuesday 13th April 1943

No. 23727

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

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)	23·3	−6	SW'W	3	id₀	56	85	50	7	5	-	-	10	10	1500
	Croydon	24·2	−4	W'S	3	c	57	85	53	7	5	-	-	7-8	10	700
	S. Farnborough	23·9	−6	WSW	4	c	55	85	51	7	5	-	-	10	10	700
	Boscombe Down	24·0	−4	SW	3	c	54	85	50	7	5	-	-	10	10	1000
	Thorney Island	24·7	−4	WSW	4	z₀	58	92	50	6	5	-	-	10	10	450
	Lympne	24·4	−16	WSW	3	z₀	53	92	51	5	5	-	-	10	10	400
	Manston	24·1	−2	WSW	2	id₀	53	92	51	6	5	-	-	10	10	500
2	Shoeburyness	23·7	−10	SW	3	z₀	58	85	52	6	5	-	-	9+	9+	2500
	Felixstowe	23·1	−10	W'S	3	z₀	52	92	51	6	5	-	-	10	10	1700
	Gorleston	22·2	−6	S'E	3	c-bc	51	85	46	7	8	3	-	7-8	7-8	2000
	Mildenhall	21·9	−10	SSW	5	c	58	85	53	7	5	-	-	7-8	9+	2000
	Cranwell	20·3	−8	WSW	4	z₀	61	63	51	6	7	-	-	4-6	9+	3000
3	Birmingham	21·4	−6	SW	3	z₀	55	85	50	6	5	2	-	9	10	1500
	Upper Heyford	22·3	−4	WSW	3	c	54	92	51	6	5	-	-	10	10	1000
4	Ross-on-Wye	22·1	−4	SW	4	c	54	85	49	7	5	-	-	10	10	2000
5	Hartland Point	22·1	−8	WSW	5	c	51	92	49	7	5	2	-	7-8	10	800
	Bristol	23·9	−2	WSW	3	c	54	92	51	7	5	-	-	10	10	1500
	Portland Bill	25·1	−10	SW	4	o	50	92	48	7	5	-	-	10	10	2500
	Plymouth	25·3	−6	SW	4	c	52	92	50	7	5	-	-	10	10	1200
	The Lizard	24·5	−10	SW	3	c	53	92	51	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	23·0	−16	SSW	4	c	55	85	50	7	5	-	-	9+	9+	600
	Guernsey															
6	Pembroke	21·3	−8	SW	5	c/r	50	97	50	7	5	-	-	9+	10	100
7	Holyhead (Valley)	19·4	−6	S'E	4	c/f-	50	97	50	4	5	-	-	10	10	100
	Chester (Sealand)	19·3	−2	SW	1	c	59	75	51	8	5	9	6	7-8	9+	2000
8	Manchester	19·6	−6	SSW	4	c	59	65	49	7	8	-	-	7-8	9+	2000
10	Spurn Head	20·6	−8	SE'S	3	z₀	51	85	47	6	5	2	-	4-6	10	1500
	Catterick (Sc)	18·9	−10	S	2	z₀	59	75	50	6	5	3	-	4-6	9+	1500
	Tynemouth	18·2	−8	SW	4	c-bc	60	65	46	7	2	-	-	7-8	7-8	2200
11	St. Abbs Head	14·5	−24	SSW	4	c-bc	58	85	51	7	5	7	-	4-6	7-8	2900
	Leuchars	14·5	−18	S	3	c	56	85	49	7	5	7	-	7-8	10	2500
12	Renfrew (Abbots I.)	14·1	−10	SSW	4	rr	54	92	52	5	6	2	-	7-8	10	800
	Eskdalemuir	16·0	−6	SW'S	4	d₀d₀d₀	51	97	50	6	-	2	-	10	10	300
	Point of Ayre	16·4	−10	SW'W	4	c	56	85	51	8	5	7	-	4-6	10	3500
13A	Tiree	11·4	−4	SSW	4	d₀d₀	51	97	51	6	5	-	-	4-6	10	300
13B	Stornoway	17·9	−12	SSW	6	id₀	50	97	50	5	5	2	-	9	10	500
15	Dalwhinnie	12·3	−6	SSW	3	ir	50	92	48	6	5	2	-	4-6	10	1500
	Aberdeen	13·1	−8	SSW	4	z₀	55	75	47	6	5	7	7	1	9+	2000
	Wick	11·5	−12	SSW	3	r₀r₀	48	92	46	6	5	2	-	4-6	10	900
16	Sumburgh	11·5	−14	S'E	4	c	45	97	45	6	5	-	-	10	10	300
17	Blacksod Point	12·0	0	SSW	5	c	53	92	51	7	6	-	-	10	10	1500
18	Malin Head	11·8	−2	SSW	4	c	55	92	53	8	8	-	-	9	9	1500
	Aldergrove	14·5	−10	S'W	3	c/r	57	85	51	8	6	2	-	9	10	1200
19	Birr Castle	15·0	−10	SSW	2	ir	58	85	53	7	6	2	-	7-8	10	1500
20	Valentia Obsy.	14·4	−10	S'W	5	r₀r₀	54	97	53	6	6	-	-	10	10	800
	Roches Point	17·7	−14	SW	4	2R	52	97	51	6	6	2	-	4-6	10	450

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

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)	22·3	·	SW	3	z₀	54	85	50	6	5	-	-	10	10	1500	0	*
	Croydon	23·1	−6	SW'S	2	z₀	54	85	51	6	5	-	-	7-8	10	900	0	*
	S. Farnborough	22·3	−6	SW	2	c	55	83	50	7	5	-	-	10	10	1700	1	*
	Boscombe Down	22·7	−10	S'W	3	bc	53	85	49	8	5	7	6	2-3	4-6	1500	0	*
	Thorney Island	23·1	−6	SW	3	c	52	85	47	8	5	-	-	9+	10	1500	0	*
	Lympne	23·2	−6	SW'W	2	z₀	51	92	49	5	5	-	-	10	10	500	1	§4
	Manston	23·1	0	SW	3	z₀	54	85	50	6	5	-	-	10	10	800	0	*
2	Shoeburyness	23·0	0	SW	2	z₀	55	85	53	5	5	-	-	10	10	2500	0	*
	Felixstowe	21·9	−6	SW	3	z₀	55	92	52	6	5	-	-	10	10	4000	0	3
	Gorleston	20·9	−2	S	3	z₀	52	85	47	6	5	-	-	9+	9+	1500	0	3
	Mildenhall	21·1	0	W'S	4	c	57	75	51	7	5	3	-	4-6	9+	1800	0	*
	Cranwell	19·4	−6	SW	4	z₀	57	75	51	6	5	7	-	4-6	9	3000	0	*
3	Birmingham	20·5	−4	SSW	2	c	54	75	46	8	5	7	-	7-8	9+	1500	0	*
	Upper Heyford	21·7	−2	WSW	2	c/d	53	92	51	6	5	-	-	10	10	700	1	*
4	Ross-on-Wye	21·0	−8	SW	3	o	55	85	50	7	5	-	-	10	10	1500	0	*
5	Hartland Point	19·8	−8	SW	4	c	53	85	49	8	2	9	-	Tr	9+	2000	1	3
	Bristol	22·0	−10	SSE	2	c	56	85	51	6	5	-	-	10	10	1500	1	*
	Portland Bill	22·3	−12	WSW	3	c-bc	50	92	48	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth	22·7	−14	SW	3	c	51	85	47	8	5	-	-	9+	9+	1800	0	1
	The Lizard	21·6	−14	SSW	5	c	50	92	48	8	5	-	-	10	10	1500	0	4
	Scilly (St. Mary's)	19·5	−18	S'W	5	c	51	85	46	8	5	-	-	10	10	800	0	5
	Guernsey																	
6	Pembroke	19·1	−8	SSW	5	c	49	97	49	7	8	1	-	9+	10	2000	1	3
7	Holyhead (Valley)	18·0	−6	S'W	5	z₀	50	97	50	6	5	-	-	10	10	400	1	3
	Chester (Sealand)	18·7	−4	SSW	1	c	57	85	51	8	5	7	-	7-8	9+	2000	0	*
8	Manchester	18·9	−6	S'W	3	r₀r₀	55	92	52	6	5	2	-	4-6	9+	1500	1	*
10	Spurn Head	19·3	+2	SW	4	z₀	58	75	50	6	7	3	-	4-6	7-8	2500	0	3
	Catterick (Sc)	17·8	0	SW	3	c	57	75	50	7	5	7	-	7-8	10	2000	0	*
	Tynemouth	17·0	−6	SW	4	c/pr	58	75	49	6	8	-	-	9	9	2200	1	2
11	St. Abbs Head	13·3	+4	SSW	4	c	54	92	52	7	5	4	-	7-8	9	2500	1	4
	Leuchars	13·0	−6	SSW	3	ir₀	55	97	54	7	5	7	-	4-6	10	2000	1	*
12	Renfrew (Abbots I.)	12·8	−4	SSW	3	rr	55	92	53	5	5	2	-	9	9+	1800	1	*
	Eskdalemuir	15·5	−4	SSW	3	dF	47	97	46	1	-	2	-	10	10	4150	1	*
	Point of Ayre	15·2	−4	WSW	5	c	55	85	50	8	5	7	-	7-8	9+	2500	0	3
13A	Tiree	11·5	+6	SW	4	c/f	50	97	50	6	5	-	-	10	10	100	1	3
13B	Stornoway	09·4	+14	WNW	2	c/d	50	97	50	7	5	-	-	10	10	800	1	2
15	Dalwhinnie	12·0	−2	SSW	3	c	49	97	48	7	5	9	-	9-8	9+	1500	1	*
	Aberdeen	12·6	0	SW	1	r₀r₀	53	92	51	5	5	2	-	9	10	1500	1	2
	Wick	10·2	−10	S'W	2	r₀r₀	50	92	48	7	5	2	-	7-8	9+	2000	1	*
16	Sumburgh	09·7	0	S	3	r₀r₀	46	97	46	5	5	2	-	9+	10	200	1	2
17	Blacksod Point	11·9	+2	SW'W	3	c	54	85	50	6	5	3	-	4-6	9+	1500	1	3
18	Malin Head	11·8	0	SW'S	3	pr	54	92	52	8	8	-	-	9+	9+	1500	1	3
	Aldergrove	13·1	−2	SSW	2	rr	53	92	52	6	5	2	-	9+	10	600	1	*
19	Birr Castle	13·4	−6	SSW	2	ir	55	92	53	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	12·1	−10	S'W	4	r₀r₀	53	97	52	5	6	-	-	10	10	800	1	4
	Roches Point	15·0	−12	SW	4	ir	51	97	50	6	6	2	-	4-6	10	800	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h. 12th to 1h. 13th (41)	Weather. 1h.—7h. 13th (42)
1	London (Kew)	d m₀ c i d₀	d₀ c m₀	c m₀	c b c f w
	Croydon	c m₀ c	c c m₀	c m₀ b m₀ w	b c c z₀
	S. Farnborough	c m₀ d r c i d₀	c c i d₀ c	c b c b m₀	b m₀ w c m₀
	Boscombe Down	c i d₀ m₀ c	c c m₀ b c	b c c m₀ o f	o f c m w
	Thorney Island	o i d₀ i d₀	c m₀ o	b c m₀ b m₀ w f	b w f o f
	Lympne	p d₀ m c m₀	c m₀	c m i d₀ f	c b o f w b o
	Manston	c i d₀ d₀ d₀	c m₀	c m₀	o m₀ c f
2	Shoeburyness	c d₀ d₀ c m₀	c m₀	b c m₀	b c m z₀
	Felixstowe	c m₀	c i r₀ m₀ c m₀	c r m₀ b c m₀	b c O F
	Gorleston	b c c	b c c p₀	c b c c₀	c z₀
	Mildenhall	c d₀ d₀ m₀ c	c	c m₀	c b c b m₀
	Cranwell	c z₀	c m₀ z₀	c z₀ c i r₀ m₀	c, b c m₀
3	Birmingham	o i r₀ c	c i r₀	c	c m
	Upper Heyford	o d₀ d₀ c m₀	c m₀ c i d₀ m₀	c m₀	b j f c m₀
4	Ross-on-Wye	d₀ o c c	c p₀ c o	o c	c m₀ b c m
5	Hartland Point	d F F o c	c	c	c b c
	Bristol	c d d m d d m₀	c i d₀ m₀ c m₀	c m₀ b c c w	c w, b m₀ j f
	Portland Bill	i r o	c	c	c
	Plymouth	c m₀	c	c b c m₀	b c m₀ w
	The Lizard	o i b c	c	c	c
	Scilly (St. Mary's)	c	c	c	c
	Guernsey				
6	Pembroke	o F i r m₀	c i r o m₀ c p r	c	c
7	Holyhead (Valley)	o d₀ d₀	i d₀ m₀	O r₀ r₀ m₀	c m₀ c
	Chester (Sealand)	c m₀	c	c	c m₀
8	Manchester	c m₀ z₀	r₀ r₀ i r	r₀ r₀ i r₀ m₀	c i r₀ m₀
10	Spurn Head	c m₀	c m₀	c b c m₀	b c m₀
	Catterick (Sc)	c i d₀ c m₀	c z₀ z	c m₀	c m₀ c
	Tynemouth	b c c m₀	c p₀ m₀	c m₀	p₀ m₀
11	St. Abbs Head	b c c	c r₀ c	c	c i r₀
	Leuchars	c m₀ c	c m₀ i r₀ r₀ r₀ c	c r₀ r r m₀ i r₀	i r₀ m₀ c m₀
12	Renfrew (Abbots I.)	c c m₀ r₀ r₀ r r	c m₀ r r m₀ r r	c m₀ i r₀ r₀	c m₀ r₀ r₀ c m₀
	Eskdalemuir	o F d₀ m₀	o d₀ m d₀ F	o F r₀	o r r m₀
	Point of Ayre	c f S c	i r₀ c	c p r₀	c r r i r₀
13A	Tiree	c d₀ d₀ o d d m	c p f c	b c	b c c i d₀ c
13B	Stornoway	c r₀ r₀ i d₀ m₀	c d₀ d₀ m₀ c	c i d₀ d d₀	c b c c
15	Dalwhinnie	c i r₀	o i r c		c d i r b c
	Aberdeen	c m c c y z	c r₀ r₀ m₀	c m₀ c i r₀	c r r c
	Wick	c r₀ r₀	c r₀ r₀	c b c	c d₀ d₀
16	Sumburgh	c	c r r c r₀ r₀ m₀	o d₀ m₀ o f i d₀	c m₀ d d i d₀
17	Blacksod Point	c	b c	b c	c
18	Malin Head	f	d	p r	p r
	Aldergrove	c m₀ r₀ r₀ c	p r R r₀ r₀	c r₀ r₀ m₀	c d₀ d₀ m₀
19	Birr Castle	r	r	*	r
20	Valentia Obsy.	f	r	r	f
	Roches Point	f	r	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 13th April

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England South Wales	Light variable winds; fine; local coast fog, local fog also developing inland to-wards dawn but soon dispersing. Very warm by day, moderate night temperature.
7 North Wales 8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland	Light or moderate west to southwest wind; mainly cloudy, slight local rain; local coast fog: rather warm.
12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west to southwest wind, freshening later; local showers and bright intervals at first. More general rain spreading from southwest later; rather warm.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	As 12-15.
19 S.E. Ireland 20 S.W. Ireland	As 7-11.

GENERAL INFERENCE

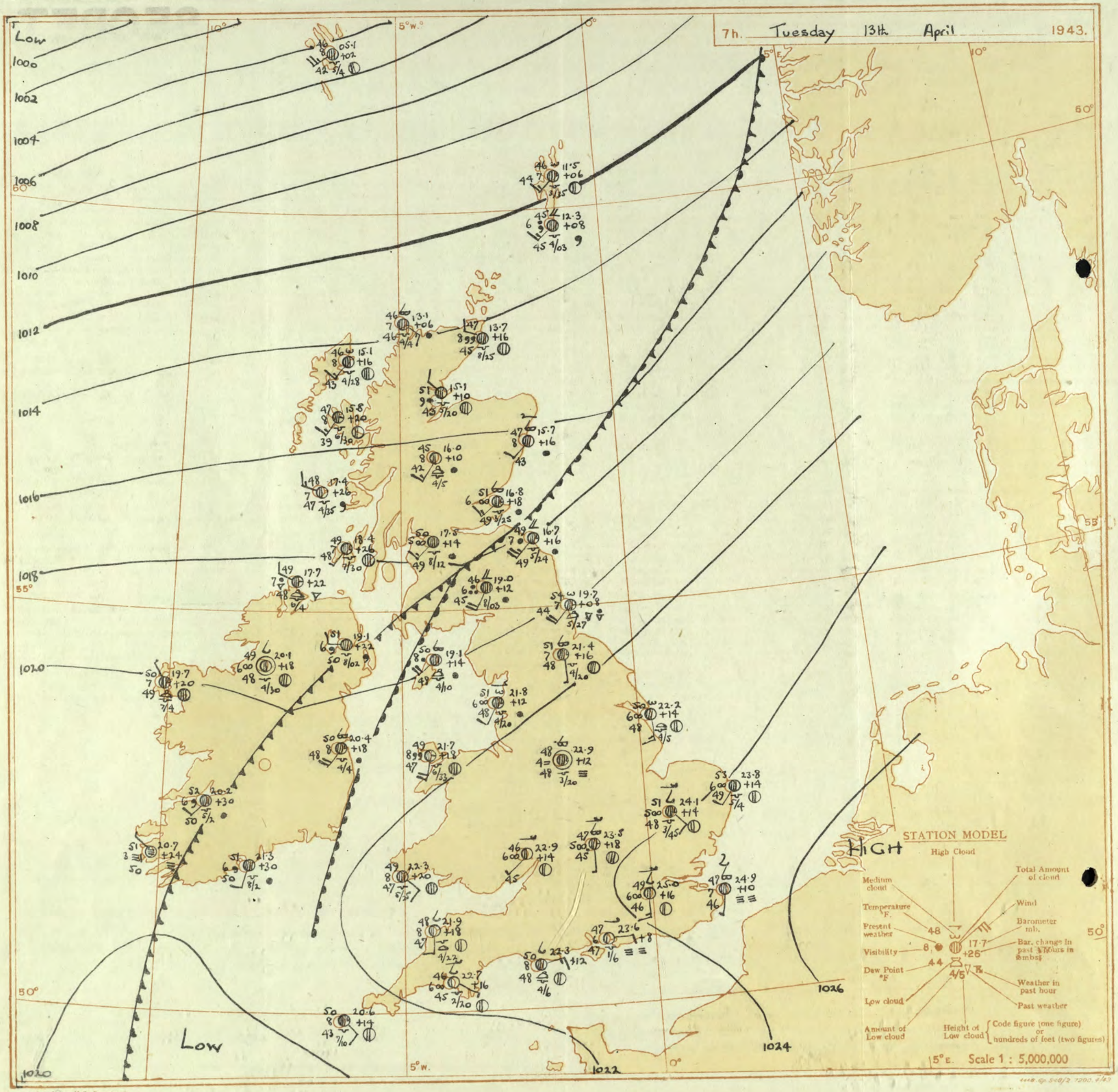
A ridge of high pressure lies across Southern England, but troughs of low pressure will cross our northern districts. Weather will be mainly fine in the South and very warm by day. Elsewhere there will be some rain or showers and it will be rather warm.

FURTHER OUTLOOK

Fair or fine in the South; occasional rain in the North.

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.

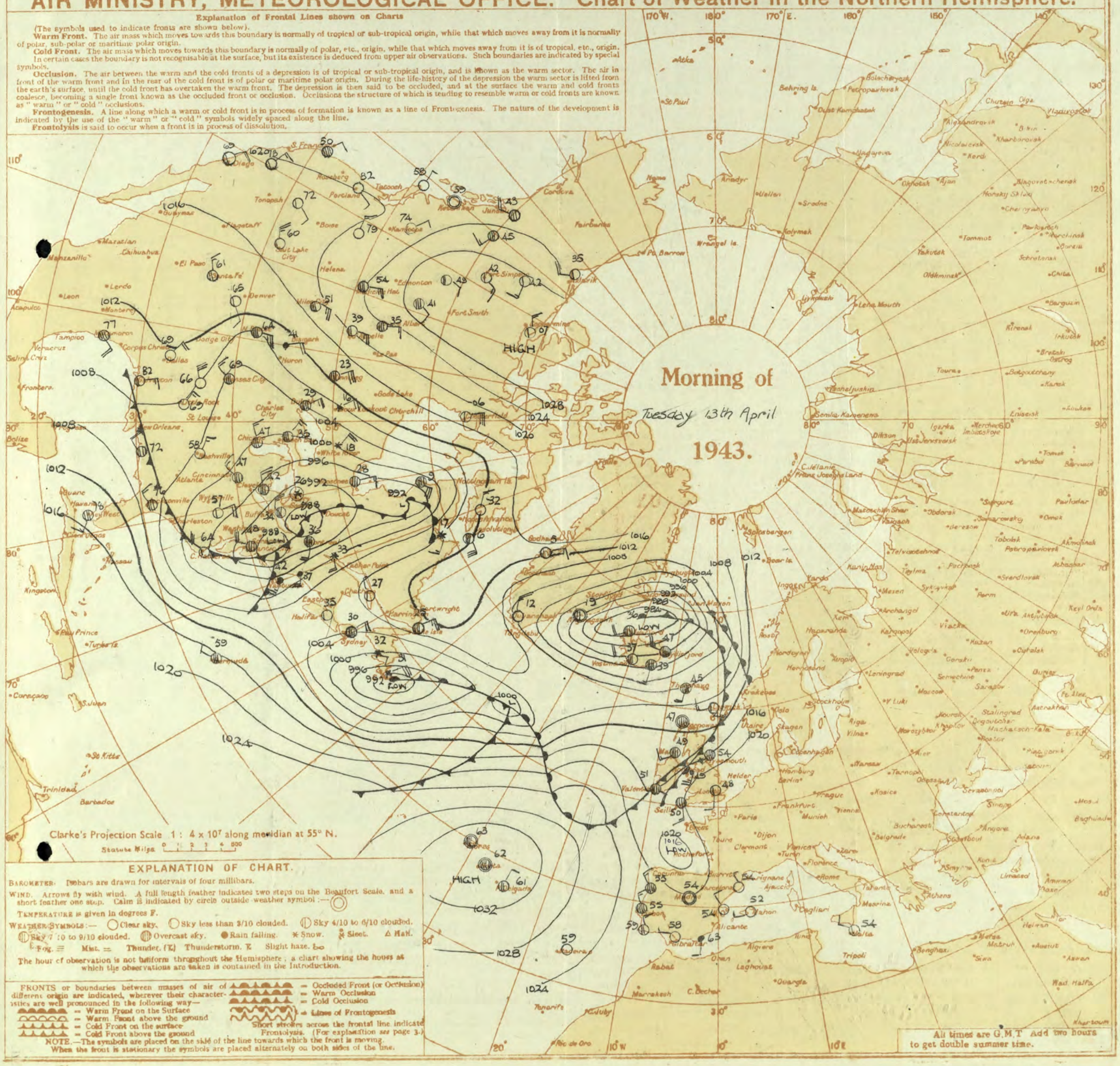
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Tuesday 13th April 1943

No. 29727

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon	290	23.8	+6	S	2	zo	48	97	47	6	-	4	2	0	2-3	-
	S. Farnborough	226	23.1	+4	SSW	1	zo	46	92	44	6	-	7	8	0	2-3	-
	Boscombe Down	417	22.8	+2	SE	2	F	45	97	45	1	-	-	-	10	10	<150
	Thorney Island	10	23.0	0	ENE	1	bf	44	97	44	2	-	-	-	0	0	-
	Lympne	283	24.0	+2	WSW	2	cf	46	97	45	2	5	-	-	9+	9+	<150
	Manston	154	23.4	0	SW	3	zo	49	92	47	5	5	-	-	10	10	500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	22.6	+2	SSW	3	zo	49	97	49	5	5	7	-	2-3	4-6	2300
	Gorleston	5	21.9	+4	S	1	zo	49	85	46	5	5	-	-	10	10	150
	Mildenhall	15	22.0	+2	S'W	2	zo	54	85	50	6	5	-	-	10	10	2100
	Cranwell	203	21.1	+6	SW'S	3	zo	49	97	47	6	5	7	-	1	9+	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21.7	0	SSW	1	zo	47	97	47	6	-	3	7	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.2	+4	SE	3	c	49	85	46	8	5	2	-	7-8	10	2500
	Bristol	209	22.0	+2	-	0	c	46	92	44	8	5	-	8	7-8	9+	2400
	Portland Bill	32	21.5	-2	SW	4	c	49	92	47	8	5	-	-	10	10	4000
	Plymouth	82	21.6	-2	E	2	zo	47	97	46	7	5	-	-	2-3	7-8	1500
	The Lizard	240	20.0	-4	S	4	o	49	92	46	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	18.8	+2	S'E	3	c	50	85	46	8	5	7	-	7-8	10	1200
	Guernsey	175															
6	Pembroke	142	20.3	+6	SSE	3	c	49	97	48	7	5	-	-	10	10	2000
7	Holyhead (Valley)	32	20.0	+14	S'W	5	o/r	49	97	48	6	5	-	-	10	10	1200
	Chester (Sealand)	16	20.0	+10	-	0	o	53	85	49	7	5	-	-	10	10	2000
8	Manchester	235	20.2	+10	S'E	4	iro	52	85	48	6	5	-	-	10	10	3500
10	Spurn Head	29	20.8	+10	SW'S	3	zo	52	85	47	6	7	3	-	2-3	4-6	2500
	Catterick (Sc)	192	18.4	+2	SSW	3	zo	53	85	49	6	5	7	-	7-8	10	2000
	Tynemouth	108	17.6	+8	SW	4	zo	54	85	50	6	8	-	-	9	9	2500
11	St. Abbs Head	280	13.7	+4	SW	5	c	51	92	49	7	5	-	-	9+	9+	2500
	Leuchars	36	14.4	+6	SSW	2	iro	52	97	51	6	5	7	8	7-8	10	2500
12	Renfrew (Abbots I.)	19	14.6	+10	WSW	3	roro	52	97	51	5	5	2	-	7-8	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16.8	+10	WSW	5	c-bc	51	92	49	7	6	-	-	7-8	7-8	800
13A	Tiree	44	13.0	+6	SW	2	bc	49	97	48	7	5	-	-	4-6	4-6	2500
13B	Stornoway	15	12.3	+22	-	0	c	47	97	47	7	5	3	-	9	10	3100
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13.1	+4	SW	2	roro	52	97	51	7	5	-	-	4-6	10	3000
	Wick	114	11.6	+2	SW	1	bc	46	92	44	8	5	3	-	2-3	4-6	2500
16	Sumburgh	19	10.9	+10	WSW	3	df	45	97	45	2	5	-	-	10	10	300
17	Blacksod Point	18	15.8	+22	W	2	b-bc	49	92	47	7	8	-	-	2-3	2-3	2500
18	Malin Head	84	14.5	+14	SW'W	3	c	49	97	48	8	5	-	-	9	9	1500
	Aldergrove	268	15.7	+14	SSW	2	d.d.	52	97	51	6	5	-	-	10	10	500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.4	+20	SE'E	2	zo	51	97	50	6	5	3	-	4-6	7-8	1500
	Roches Point	22	17.0	+12	SSW	4	rr	50	97	49	7	6	2	-	4-6	10	800

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

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)	24.4	+12	-	0	bcf	47	92	46	3	-	-	4	0	4-6	-	0	*
Croydon	25.0	+16	S	3	zo	49	92	46	6	-	4	2	0	4-6	-	0	*
S. Farnborough	24.5	+14	SSE	2	zo	44	97	43	6	-	5	6	0	7-8	-	1	*
Boscombe Down	23.9	+14	SE'E	2	m/f	46	97	46	4	5	-	8	4-6	7-8	400	0	*
Thorney Island	23.6	+8	E	2	b-bc/f	47	97	47	6	5	-	1	Tr	2-3	4000	1	*
Lympne	25.0	+6	SE	2	bc	49	97	48	7	-	7	-	0	4-6	-	0	§
Manston	24.9	+10	S	1	c-bc/f	47	97	46	7	-	7	6	0	7-8	-	0	*
Shoeburyness	24.7	+20	S'W	2	zo	47	92	45	6	-	7	-	0	4-6	-	0	*
Felixstowe	24.7	+14	S'W	3	F+	47	97	47	1	-	-	-	10	10	<150	0	1
Gorleston	23.8	+14	SW'S	2	zo	53	85	49	6	5	-	-	7-8	7-8	1500	0	1
Mildenhall	24.1	+14	SSE	2	zo	51	92	48	5	5	4	2	2-3	9+	4500	0	*
Cranwell	22.8	+10	SSW	3	zo	49	92	47	6	-	7	2	0	4-6	-	0	*
Birmingham	23.8	+10	SSW	2	m	46	92	44	4	-	-	8	0	7-8	-	0	*
Upper Heyford	23.5	+18	S	1	zo	47	92	45	5	-	7	2	0	9	-	0	*
Ross-on-Wye	22.9	+14	WSW	1	zo	46	92	45	6	-	-	2	0	4-6	-	0	*
Hartland Point	21.9	+18	S	2	bc	48	92	47	8	4	4	-	4-6	4-6	2200	0	3
Bristol	23.9	+18	SSE	2	zo	45	97	45	6	5	3	1	4-6	7-8	4000	0	*
Portland Bill	22.3	+12	E	3	c-bc	50	92	48	8	2	4	-	4-6	7-8	4000	0	4
Plymouth	22.7	+16	ESE	1	zo	46	97	45	6	5	4	2	1	2-3	2000	0	1
The Lizard	21.4	+12	SSE	4	c-bc	49	92	49	8	8	-	-	7-8	7-8	1500	0	3
Scilly (St. Mary's)	20.6	+14	SE'S	2	c	50	75	43	8	5	-	-	9+	9+	1000	0	3
Guernsey																	
Pembroke	22.3	+20	SE'S	2	c-bc	49	92	47	8	5	-	-	7-8	7-8	2500	1	3
Holyhead (Valley)	21.7	+18	S	4	c	49	92	47	8	5	4	-	9	9	3300	1	3
Chester (Sealand)	22.0	+18	SSW	1	c	51	85	44	6	5	4	8	2-3	9+	2500	0	*
Manchester	22.5	+18	S	3	zo	51	92	49	5	5	3	-	46	9+	3000	1	*
Spurn Head	22.2	+14	S	3	zo	50	92	48	6	7	3	-	4-6	7-8	2500	0	3
Catterick (Sc)	21.4	+16	S	1	c	51	85	48	7	5	7	-	4-6	9+	2000	0	*
Tynemouth	19.7	+8	SW	4	e/pr	54	75	44	7	2	3	-	7-8	9	2700	1	2
St. Abbs Head	16.7	+16	SW	5	iro	49	97	49	7	5	2	-	7-8	9+	2400	1	4
Leuchars	16.8	+18	WSW	3	zo	51	97	49	6	5	7	-	2-3	9+	2500	1	*
Renfrew (Abbots I.)	17.5	+14	SW'S	3	zo	50	97	49	5	5	-	-	10	10	1200	1	*
Eskdalemuir	19.0	+12	SSW	4	rr	46	97	45	6	-	2	-	10	10	300	1	*
Point of Ayre	19.1	+14	WSW	4	iro	50	92	48	8	8	7	-	4-6	10	1000	1	3
Tiree	17.4	+26	W'N	3	bc	48	97	47	7	5	-	-	4-6	4-6	3500	1	3
Stornoway	15.1	+16	SW	3	c-bc	46	92	43	8	5	3	-	4-6	7-8	2800	1	2
Dalwhinnie	16.0	+10	SSW	3	bc	45	85	42	8	8	-	-	4-6	4-6	2500	1	*
Aberdeen †	15.7	+16	SW	2	c-bc	51	85	47	8	-	7	8	0	7-8	-	1	2
Wick	13.7	+16	WNW	2	d.d.	47	92	45	8	5	-	-	10	10	2500	1	*
Sumburgh	12.3	+8	WSW	3	dr	45	97	45	6	5	2	-	4-6	10	300	1	2
Blacksod Point	19.7	+20	NNW	1	c	50	97	49	7	8	-	-	9+	9+	1500	1	2
Malin Head	17.7	+22	W'N	2	pr	49	97	48	7	8	-	-	9	9	1500	1	*
Aldergrove	19.1	+22	W	2	id.	51	97	50	6	5	-	-	10	10	200	1	*
Birr Castle	19.9	+30	SSE	1	c	51	97	50	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	20.7	+24	NW	1	f	51	97	50	3	-	-	-	10	10	<150	1	1
Roches Point	21.3	+30	SSW	2	id.	51	97	50	6	5	-	-	10	10	450	1	S

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)	58	41	30	0.1	Tr	0.0
Croydon	57	43	40	0.4	-	0.0
S. Farnborough	56	42	34	0.3	Tr	0.0
Boscombe Down	56	43	39	Tr	Tr	0.1
Thorney Island	53	42	35	1	0.1	*
Lympne	59	42	36	1	0.1	0.0
Manston	57	42	40	Tr	-	0.0
Shoeburyness	59	46	39	Tr	-	0.1
Felixstowe	58	46	38	Tr	Tr	[illegible]
Gorleston	62	48	44	-	-	[illegible]
Mildenhall	61	46	*	Tr	Tr	0.5
Cranwell	63	46	39	-	-	1.2
Birmingham	55	46	41	Tr	-	0.0
Upper Heyford	54	44	37	0.4	Tr	*
Ross-on-Wye	55	45	35	Tr	-	0.2
Hartland Point	53	46	45	0.1	-	0.1
Bristol	57	41	33	1	Tr	0.2
Portland Bill	51	47	*	0.4	-	*
Plymouth	53	45	37	Tr	-	0.1
The Lizard	54	47	*	Tr	-	0.2
Scilly (St. Mary's)	55	49	*	-	-	1.3
Guernsey						
Pembroke	50	48	*	1	-	0.0
Holyhead (Valley)	51	48	47	0.5	1	*
Chester (Sealand)	62	50	46	-	-	1.8
Manchester	60	49	47	0.4	Tr	*
Spurn Head	62	48	*	-	-	0.3
Catterick (Sc)	61	51	48	-	Tr	0.8
Tynemouth	62	52	48	Tr	0.2	*
St. Abbs Head	59	49	*	Tr	Tr	*
Leuchars	57	50	47	0.2	0.3	0.0
Renfrew (Abbots I.)	56	49	48	4	5	0.1
Eskdalemuir	52	45	45	1	13	0.0
Point of Ayre	60	49	*	Tr	2	0.4
Tiree	53	47	46	6	0.2	0.0
Stornoway	53	43	38	2	0.5	0.0
Dalwhinnie	53	44	40	3	3	1.5
Aberdeen †	57	50	47	1	2	3.4
Wick	53	43	38	0.4	Tr	*
Sumburgh	47	43	41	7	2	0.0
Blacksod Point	57	44	*	6	Tr	
Malin Head	56	47		0.5	0.1	0.0
Aldergrove	60	56	49	7	11	0.5
Birr Castle	61	49	44	1	1	0.3
Valentia Obsy.	55	51	47	11	5	0.0
Roches Point	53	50	*	10	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC_L C_M (13h)	wwVhN_h	DDFWN	C_L C_M (18h)	wwVhN_h	DDFWN	C_L C_M (01h)	wwVhN_h	DDFWN	C_L C_M (07h)	wwVhN_h	DDFWN
109 5-	64648	18468	52	02745	18366	50	01763	20213	02	54528	25358
115 52	22845	53568	52	62735	53568	--	67109	20369	57	02744	10367
203			6-	61838	16528	5-	03848	16428			
206 6A	20228	11655	57	22855	20166	53	01863	22114	5-	61955	28225
210 52	62853	18268	57	10855	22168	53	02865	20127	53	02864	21315
219 5-	05528	18668	5-	47208	21358	5+	05665	22165	5-	02866	21316
230 62	62636	17268	62	64736	20368	5-	61648	00068	5-	05614	20327
245 5-	02744	18228	53	05656	20367	57	05664	20267	59	02741	22366
260 52	51744	20368	57	02764	18366	52	05554	24328	57	02755	20268
278 52	22726	20368	57	22845	15368	57	22645	53466	57	52627	18367
279 5-	62824	19568				5-	62728	53668	52	64635	19568
285 -									6-	05628	22528
288 8-	05655	19325	57	02755	21426	51	08454	17367	57	02765	20328
575 62	66635	18158	57	05644	18127	52	61646	00068	54	05664	00024
301 59	02764	20367	57	62647	18368	02	64728	22368	53	05654	18267
321 86	02755	22327	57	05665	18387	53	05654	18225	5-	05567	18227
2.3 9·	05646	20216	8-	05647	20227				11	05563	20314
292 5-	08463	18258	59	05665	20326	5-	05578	24228	5-	05665	16226
310 --	02628	20428							--	46109	20449
614 83	21556	20357	52	51566	20228	07	05590	22226	03	08490	20245

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

IIIC_L C_M (13h)	wwVhN_h	DDFWN	C_L C_M (18h)	wwVhN_h	DDFWN	C_L C_M (01h)	wwVhN_h	DDFWN	C_L C_M (07h)	wwVhN_h	DDFWN
333 5-	53408	52558	5-	52408	18368	5-	22544	19468	5-	02867	16227
334 --	02644	24317							--	02654	24116
340 51	02957	20228	57	02854	20228	57	02855	14126	57	05654	20126
136 5-	21746	20316	24	51745	19355	03	05690	20125	13	05561	18217
336 57	02753	20327	57	02754	20328						
350 57	02745	22427	53	21634	20356	5-	08428	20228	53	05572	14116
368 5-	52624	22458	5-	05648	22228	53	05644	12117	8-	08427	04127
379 5-	51518	22458	53	22526	20457	57	05654	17225	00	01609	17415
390 5-	05538	20328	5-	08448	20228	5-	43348	18348	00	08490	12243
382			5-	05635	19128	03	05690	16226	54	05661	14125
438 --	46009	22649	57	02655	22526	40	04454	20114	54	01763	08213
430 5-	21518	22458	5-	05638	22328	00	47290	00010	00	05690	06113
409 5-	02848	18458				52	02745	17228	54	01854	09224

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 13th April
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	dm.cid.	d.cm.	cbcfw
Croydon	cm.c	ccm.	bmowbcc
Greenwich	dc	cdc	cbcw
Camden Square	c	c	*
Kensington	odo	o	*
Hampstead	cd	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 9h. Max. 0.3 Time 0·7h 14th. Min. <0.1 Time 0-5h 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	58	41	30	0.1	Tr	0.0	*	*
Croydon	57	43	40	0.4	-	0.0	*	*
Greenwich	57	44	31	Tr	-	0.0	84	65
Westminster	60	46	39	Tr			84	72
Regents Park	60	45	35	Tr	-		90	57
Camden Square	58	46	36	-	-	*	*	73
Kensington	58	44	35	Tr	Tr		89	66
Hampstead	56	45	36	Tr	-		*	75

Page 1 **BRITISH SECTION**

SECRET

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

Wednesday 14th April 1943

No. 29728

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

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)	24·8	-6	SW	3	c-bc	61	55	45	8	1	-	4	1	7-8	2500
	Croydon	25·3	-2	SSW	3	c-bc	68	45	47	8	1	-	2	1	7-8	3000
	S. Farnborough	25·1	-2	SW	3	bc	67	45	45	8	1	4	6	Tr	4-6	4000
	Boscombe Down	24·5	-2	S'E	3	b	65	45	42	8	1	-	1	Tr	1	2500
	Thorney Island	25·5	+2	S'E	2	b-bc	61	65	47	9	1	4	1	Tr	2-3	3000
	Lympne	26·1	-2	SSE	2	c-bc	61	65	49	8	-	-	6	0	7-8	-
	Manston	25·7	-2	SSE	3	b-bc	63	65	50	7	1	-	6	1	2-3	2000
2	Shoeburyness	25·9	-10	S	2	c-bc	64	65	53	7	1	-	2	1	7-8	2500
	Felixstowe	26·5	0	SE'S	2	c-bc	57	85	51	7	-	-	2	0	7-8	-
	Gorleston	24·6	-2	SE	4	z.	51	85	46	6	7	7	-	4-6	4-6	2500
	Mildenhall	24·1	-4	SSW	3	c	66	55	49	7	1	-	8	4-6	9+	3000
	Cranwell	22·9	-8	SW	4	c-bc	64	55	46	7	1	-	5	4-6	7-8	2500
3	Birmingham	23·3	0	SSW	3	bc	62	55	46	8	1	-	1	4-6	4-6	4000
	Upper Heyford	20·4	+2	SW'S	3	bc	65	55	45	8	1	-	2	2-3	4-6	3000
4	Ross-on-Wye	22·2	-6	SSW	4	b	64	55	45	8	1	-	1	Tr	1	4000
5	Hartland Point	24·0	0	N	3	b-bc	52	85	47	8	1	-	5	Tr	2-3	3000
	Bristol	24·5	-2	SSW	3	b-bc	65	45	46	8	1	4	1	2-3	2-3	4000
	Portland Bill	24·4	+2	E	3	bc	52	85	49	8	2	-	-	4-6	4-6	4000
	Plymouth	24·4	+6	SSE	2	b	62	55	47	8	1	-	-	Tr	Tr	2500
	The Lizard	24·3	+12	E'S	2	b-bc	58	75	50	8	7	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	24·4	+8	NE'E	2	b-bc	58	65	47	8	5	-	2	Tr	2-3	1800
	Guernsey															
6	Pembroke	25·0	+4	SW	2	b-bc	53	85	47	8	1	4	5	1	2-3	3000
7	Holyhead (Valley)	23·9	+10	SSW	4	c	52	85	47	8	5	7	-	9+	10	3000
	Chester (Sealand)	22·8	+4	SW	2	b-bc	61	55	44	8	7	-	1	2-3	2-3	3500
8	Manchester	22·7	+2	SSW	4	bc	60	65	46	7	1	4	-	4-6	4-6	2500
10	Spurn Head	23·1	0	SW	4	c-bc	63	55	45	7	7	-	-	7-8	7-8	4000
	Catterick (Sc)	22·2	+2	SW	2	c	57	65	47	8	5	7	-	4-6	9+	3000
	Tynemouth	21·5	+4	SW	5	z.	55	75	47	6	8	-	-	9	9	2200
11	St. Abbs Head	18·4	+10	SW	3	c	56	92	54	7	5	4	-	7-8	9+	3500
	Leuchars	17·5	-8	WSW	5	c-bc	66	55	45	8	1	-	6	4-6	7-8	3000
12	Renfrew (Abbots I.)	19·1	+6	W'S	4	c-bc	58	85	54	8	7	-	9	4-6	7-8	2400
	Eskdalemuir	20·2	+2	SSW	4	dF	48	97	48	1	-	-	-	10	10	<150
	Point of Ayre	21·6	0	W	5	c	56	85	52	7	6	-	-	9+	9+	800
13A	Tiree	18·9	+2	SW	3	bc	52	75	42	8	1	3	-	2-3	4-6	4000
13B	Stornoway	14·4	-12	SW	6	c	52	75	43	8	5	3	-	7-8	9+	2800
15	Dalwhinnie	17·0	+4	SSW	3	c	55	65	42	8	8	-	2	4-6	9+	4000
	Aberdeen	16·2	-2	W'S	3	bc	63	55	44	8	1	-	6	4-6	4-6	5700
	Wick	14·6	-4	SW	2	c	56	55	41	8	8	-	-	4-6	9+	2500
16	Sumburgh	13·0	+2	WSW	5	c-bc	47	92	44	8	5	3	8	1	7-8	3000
17	Blacksod Point	21·6	+2	SW'W	2	c	53	85	49	7	6	-	-	9+	10	1500
18	Malin Head	19·7	+6	W'N	3	c-bc	51	85	47	8	8	-	-	7-8	7-8	1500
	Aldergrove	21·0	+6	SW	2	bc	56	75	47	8	5	-	5	4-6	4-6	2500
19	Birr Castle	22·5	+10	WNW	2	c-bc	59	75	57	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	24·2	+10	W'S	2	c	53	85	49	8	5	-	-	9+	9+	2500
	Roches Point	24·0	+12	S	3	if	54	97	53	3	5	-	5	4-6	7-8	1500

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

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)	24·6	+6	SSW	3	b-bc	61	55		8	-	-	5	0	2-3	-	0	*
Croydon	24·9	+2	SW'S	2	b-bc	63	55	45	8	-	4	1	0	2-3	-	0	*
S. Farnborough	24·7	+2	SW	3	b-bc	63	45	42	9	8	4	5	0	2-3	-	0	*
Boscombe Down	24·5	+4	S'W	3	bc	61	45	40	8	-	-	6	0	4-6	-	0	*
Thorney Island	24·9	-2	S	1	b	58	55	46	9	-	-	2	0	1	-	0	*
Lympne	25·6	0	SSE	1	b	60	65	46	8	-	-	1	0	1	-	0	§
Manston	25·4	+2	S'E	2	bc	59	65	48	8	-	-	2	0	4-6	-	0	*
Shoeburyness	25·1	0	S	3	b	59	75	49	7	-	-	1	0	1	-	0	*
Felixstowe	24·8	-6	S'E	3	b	54	85	48	8	-	-	2	0	1	-	0	3
Gorleston	23·9	+2	SE	4	b	55	75	47	7	-	4	-	0	1	-	0	4
Mildenhall	23·1	+2	SW'S	3	bc	67	45	47	8	1	-	1	4-6	4-6	3500	0	*
Cranwell	22·7	+2	WSW	4	bc	62	55	45	7	4	-	4	2-3	4-6	2500	0	*
Birmingham	22·8	-2	SSW	3	bc	63	45	43	8	1	-	2	Tr	4-6	2500	0	*
Upper Heyford	23·5	+4	SW	3	c-bc	64	55	46	8	4	-	2	4-6	7-8	3500	0	*
Ross-on-Wye	23·4	0	SW	3	bc	63	55	45	8	4	-	6	Tr	4-6	3500	0	*
Hartland Point	25·2	+4	NNE	2	bc	50	85	46	8	1	-	8	Tr	4-6	3000	0	3
Bristol	25·0	+6	SSW	2	b-bc	63	55	46	8	1	-	2	Tr	2-3	4000	1	*
Portland Bill	24·6	+4	E	3	bc	53	85	49	8	5	-	-	4-6	4-6	4000	1	4
Plymouth	25·2	+4	SSW	2	bc	55	75	45	8	-	-	9	0	4-6	-	0	1
The Lizard	24·6	+4	WNW	2	bc	57	85	51	8	7	4	-	2-3	4-6	3000	0	2
Scilly (St. Mary's)	25·7	+6	N'E	2	c-bc	52	75	45	8	-	-	2	0	7-8	-	0	3
Guernsey																	
Pembroke	25·5	+2	WNW	2	bc	51	85	46	8	-	7	-	0	4-6	-	0	3
Holyhead (Valley)	23·5	0	SSW	4	c	50	85	44	8	5	4	7	Tr	10	600	1	3
Chester (Sealand)	23·5	+8	WSW	2	c-bc	56	65	43	8	4	-	2	2-3	7-8	3500	0	*
Manchester	22·9	+4	WNW	3	PR	57	65	47	7	-	3	1	0	9	-	0	*
Spurn Head	22·6	+2	W'S	4	bc	59	65	45	7	7	4	1	2-3	4-6	2500	0	3
Catterick (Sc)	21·7	-2	WSW	4	c	53	85	47	8	5	3	6	7-8	9	3000	0	*
Tynemouth	21·1	-4	SW	4	z.	55	75	47	6	8	-	-	4-6	7-8	2200	0	2
St. Abbs Head	17·6	-2	SSW	5	c	54	92	53	7	5	2	-	7-8	9+	3500	0	3
Leuchars	16·4	-10	WSW	5	c	55	65	42	8	5	1	7	4-6	10	4500	0	*
Renfrew (Abbots I.)	17·5	-14	SW	3	c	54	85	51	9	8	7	6	4-6	9+	2000	1	*
Eskdalemuir	19·6	-4	SW'S	4	c	50	97	49	6	5	-	-	10	10	200	1	*
Point of Ayre	20·6	-8	W'S	4	c	58	75	50	7	4	3	2	1	9+	3000	0	3
Tiree	15·2	-20	SSW	5	ir.	49	92	47	8	5	-	-	10	10	1800	1	4
Stornoway	09·6	-34	SSW	8	ir.	48	92	46	7	5	7	-	4-6	10	1200	1	5
Dalwhinnie	15·0	-8	SW	3	c	47	75	38	8	8	4	9	4-6	9+	4000	0	*
Aberdeen	14·5	-10	SW	4	c	56	45	40	8	4	7	7	Tr	10	4000	0	2
Wick	12·0	-16	S'W	1	c	49	75	40	9	5	-	-	9+	9+	4000	0	*
Sumburgh	10·5	-18	SW'S	4	c	47	85	43	8	5	2	-	7-8	10	3000	1	3
Blacksod Point	19·8	-10	SW'S	4	c	52	75	44	8	8	4	-	4-6	9+	1500	1	3
Malin Head	17·0	-16	W	4	c/r	52	85	44	8	5	2	-	4-6	10	1500	1	3
Aldergrove	19·4	-6	SSW	3	c	56	85	52	7	5	4	7	1	9+	2000	1	*
Birr Castle	22·1	0	SSW	2	c	57	75	49	8	8	1	-	4-6	10	1500	1	*
Valentia Obsy.	24·2	0	SSW	3	c	53	85	49	8	5	1	-	2-3	10	2500	1	2
Roches Point	24·3	0	SSW	3	c	53	92	51	8	5	1	-	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 13th (39)	Weather 13h.—18h. 13th (40)	Weather 18h 13th to 1h 14th (41)	Weather 1h.–7h. 14th (42)
London (Kew)	cbcy	bebbey	bccbcw	bccmow
Croydon	cbcy	bcyby	bybz.bcm.	bcmowfg
S. Farnborough	cmobcy	bcbryby	bccbc	bccmowc
Boscombe Down	cmwbcby	bybcy	bcbcmo	bcmocmo
Thorney Island	bcb	b	bbcc	bccfgw
Lympne	cbcc	cbcbcy	bbc	bccmow
Manston	cmoz.	bybcy	bcbbc	cmoc
Shoeburyness	bcc	bc	bc	cmo
Felixstowe	ofeomc	cbcb	bbc	cmobcmo
Gorleston	bcz.	bcb	bc	bccz
Mildenhall	cmoccy	bcycy	bcy	bccz.
Cranwell	bcz.bcy	bcy	bcyz.cmo	cmoir.
Birmingham	cbc	bc	bc	bcc
Upper Heyford	cmobcz.	bcy	bc	bcmocmo
Ross-on-Wye	bczbcy	bybcy	ccb	bcc
Hartland Point	bc	bc	bcb	bbcbc
Bristol	cbmobcy	bybcy	bcycmow	ccmow
Portland Bill	cbc	bc	bc	c
Plymouth	bcbmobcy	byb	bbccmo	bccmo
The Lizard	bc	bc	bc	bbcc
Scilly (St. Mary's)	cbc	bcc	cbcw	bccw
Guernsey				
Pembroke	bc	bc	bcbbcw	cprc
Holyhead (Valley)	c	c	cwc	orormo.
Chester (Sealand)	cmoybc	bccy	bc,cz.c	crorrmo
Manchester	cbcz.c	bcc	ccr.mo.	cirmo.
Spurn Head	c	bc	c	pr.c
Catterick (Sc)	c	c	c	ciro
Tynemouth	cpomo	cmo	cmo	cmoir.
St. Abbs Head	cr.c	c	c	c
Leuchars	cmobccy	cyc	cmoid.d.d.	cd.d.c
Renfrew (Abbots I.)	cmobcc	bcc	cmoir.cmorr.	cm.d.dc
Eskdalemuir	orr.Fd.	oFd.c		cmir.
Point of Ayre	vr.r.c	c	cir.	orrc
Tiree	beccbc	bccir.	crr.od.d.	od.mo.
Stornoway	c	cir.	cir.rr	cid.c
Dalwhinnie	bcc	c	*	coidc
Aberdeen	cb	bcycy	c	c
Wick	cd.d.bcc	c	ccir.c	c
Sumburgh	bcc	c	crrd.d.m.	cm.d.dc
Blacksod Point	c	c	r	d
Malin Head	c	r	r	r
Aldergrove	cbc	cyc	ir.r.r.ir.	ir.id.mo.c
Birr Castle	r	c	*	c
Valentia Obsy.	d	c	c	c
Roches Point	d	f	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 14th April

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light or moderate southwest winds. Mainly fair but some slight local rain; rather warm.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland ▼; 13B N.W. Scotland ▼; 14 Mid Scotland; 15 N.E. Scotland ▼; 16 Orkneys and Shetlands ▼	Fresh or strong southwest wind, gale locally on coasts, veering westerly later. Cloudy with occasional rain or drizzle, some brighter periods later; rather warm.
17 N. W. Ireland; 18 N. E. Ireland	Fresh southwest winds; cloudy; slight local rain or drizzle: rather warm.
19 S. E. Ireland; 20 S. W. Ireland	As 1-11.

GENERAL INFERENCE

Pressure remains low in the vicinity of Iceland and associated secondaries will move across the British Isles. There will be some rain or drizzle in most districts, but except in the extreme North and Northwest rainfall amounts will be very small. There will be strong southwest to west winds in the North and Northwest with gale locally on coasts. It will be rather warm generally.

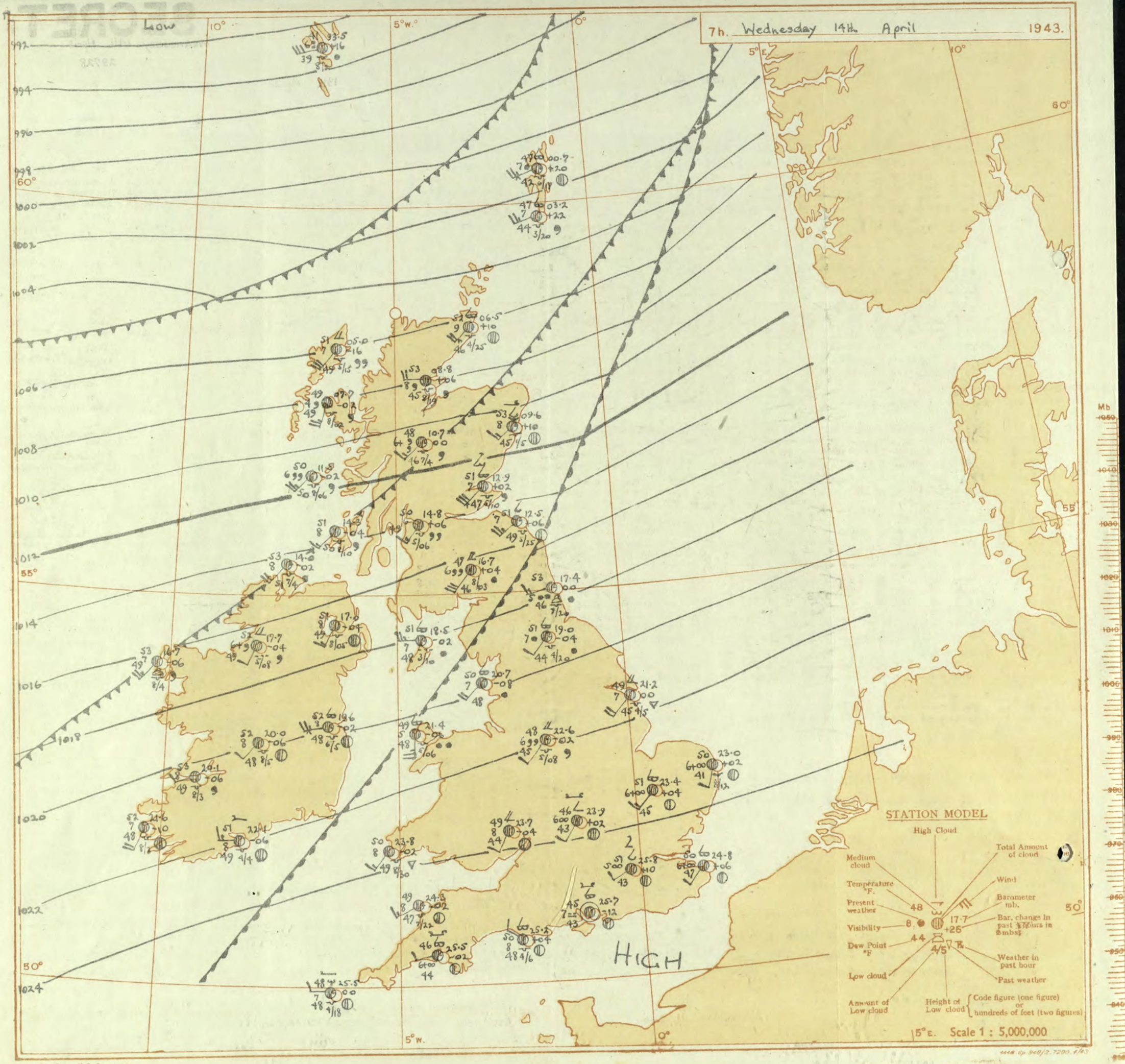
FURTHER OUTLOOK

Southwesterly type continuing with some rain in the North and Northwest but only very small amounts elsewhere.

▼Gale warnings in operation in districts 13B & 16, issued at 1445 G.M.T. 13. 4. 43
" " " " " 13A & 15 " 2200 G.M.T. 13. 4. 43

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).

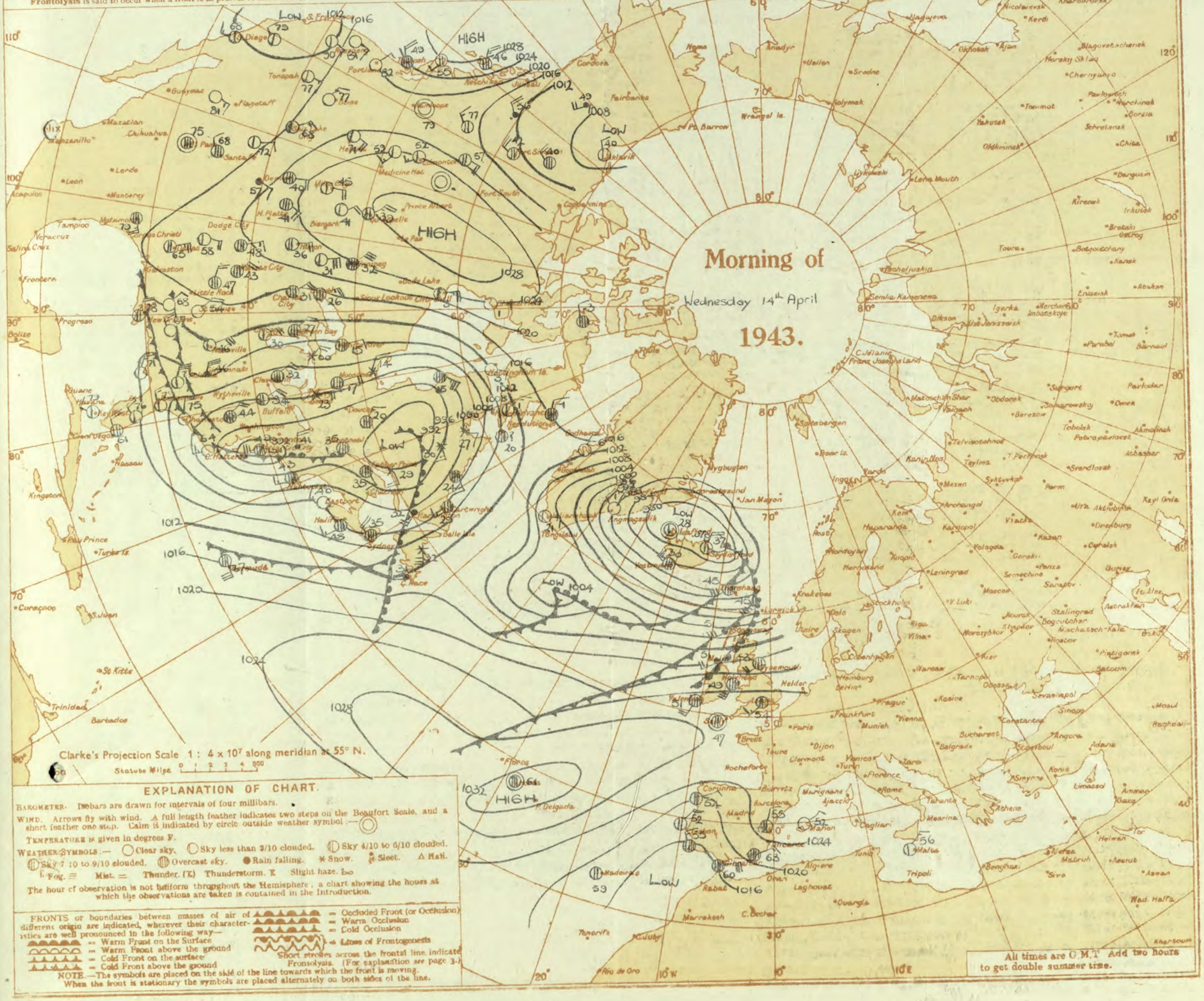
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

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

BRITISH SECTION

Wednesday 14th April 1943

No. 29728

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	25·5	−2	SSW	2	bc	47	85	41	6	−	−	2	0	4-6	−
	S. Farnborough	226	25·4	+2	−	0	bc	45	85	40	8	−	7	−	0	4-6	−
	Boscombe Down	417	25·7	+2	−	0	zo	46	85	41	6	−	−	2	0	4-6	−
	Thorney Island	10	25·1	−12	−	0	bc	45	92	43	7	−	−	1	0	4-6	−
	Lympne	283	25·5	−4	SSE	1	b-bc	47	97	45	8	−	4	9	0	2-3	−
	Manston	154	25·2	−6	−	0	c	47	97	45	7	−	4	6	0	9	−
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·6	−2	WSW	2	bc	50	92	47	7	−	−	2	0	4-6	−
	Gorleston	5	23·5	−2	S'W	2	bc	57	75	49	7	−	7	1	0	4-6	−
	Mildenhall	15	23·7	−2	SW	3	bc	54	65	41	8	−	−	7	0	4-6	−
	Cranwell	203	23·0	−4	SW	3	zo	48	85	44	6	−	−	8	0	9	−
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·2	−2	SW'W	2	bc	49	85	45	7	−	−	6	0	4-6	−
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·4	−2	WSW	3	b	48	92	46	8	−	−	4	0	1	−
	Bristol	209	25·5	−6	WSW	1	c-bc	48	85	43	7	−	−	8	0	7-8	−
	Portland Bill	32	25·1	+4	E	2	bc	50	92	48	8	2	−	−	4-6	4-6	4000
	Plymouth	82	26·1	+2	ESE	1	zo	44	92	42	6	−	1	8	0	4-6	−
	The Lizard	240	26·3	+6	−	0	b	47	92	46	8	−	−	−	0	0	−
	Scilly (St. Mary's)	163	26·5	−2	−	0	bc	47	92	46	8	−	−	1	0	4-6	−
	Guernsey	175															
6	Pembroke	142	25·1	+8	WSW	3	bc	49	92	48	8	5	1	−	4-6	4-6	4000
7	Holyhead (Valley)	32	22·5	−4	SSW	6	zo	49	97	48	5	5	−	−	10	10	200
	Chester (Sealand)	16	22·4	−6	WSW	1	c	57	75	55	7	5	7	−	7-8	10	3000
8	Manchester	235	22·7	−2	S'W	3	zo	48	85	44	6	−	1	−	0	10	−
10	Spurn Head	29	22·4	−2	SW	3	c-bc	49	85	44	7	7	3	−	4-6	7-8	2500
	Catterick (Sc.)	192	20·6	−4	SW	2	c	52	85	47	8	5	2	−	2-3	10	2000
	Tynemouth	108	18·7	+4	SW	4	zo	53	85	48	6	5	−	−	9	9	2500
11	St. Abbs Head	280	12·4	−38	SW	5	c	51	92	48	7	5	−	−	9+	9+	2500
	Leuchars	36	12·8	−26	SW	5	d.d.	51	92	49	7	5	2	−	7-8	10	1700
12	Renfrew (Abbots I.)	19	15·2	−10	SW'S	3	d.d.	49	97	48	5	5	−	−	9	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·0	−6	W	5	ir.	53	92	50	8	6	2	−	10	10	3000
13A	Tiree	44	11·4	−14	SW	7	d.d.	49	97	49	5	5	1	−	10	10	1500
13B	Stornoway	15	05·3	+6	SW	6	id.	51	97	51	7	5	1	−	10	10	2100
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	09·3	−22	SSW	4	c	51	75	45	9	5	2	−	2-3	10	2500
	Wick	114	05·7	−18	SW'S	4	c/r	47	85	42	8	5	6	−	10	10	2400
16	Sumburgh	19	01·6	−32	SW	7	d.d.	46	92	44	6	5	−	−	10	10	1000
17	Blacksod Point	18	17·5	−8	SW	6	d.d.	51	92	49	7	6	2	−	4-6	10	1500
18	Malin Head	84	14·5	−10	SW	5	ir.	51	92	49	8	5	2	−	2-3	9+	1500
	Aldergrove	268	18·2	−6	SSW	4	ir.	50	85	46	7	6	2	−	4-6	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·1	−6	SSW	4	c	51	92	49	7	5	7	−	Tr	9+	1500
	Roches Point	22	24·5	−4	WSW	3	c-bc	50	97	50	8	5	7	−	4-6	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 14th April — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
1	London (Kew)	24·5	+2	SW'S	2	zo	49	75	42	5	−	−	7	0	10	−	0	*	65	44	37	−	Tr	11·7
	Croydon	25·8	+10	W'S	1	zo	51	75	43	5	−	4	6	0	10	−	1	*	70	45	40	−	Tr	12·5
	S. Farnborough	24·9	+14	−	0	zo	43	85	40	6	−	7	8	0	10	−	0	*	69	40	29	−	−	12·2
	Boscombe Down	25·2	+2	−	0	c	45	97	43	7	5	−	−	7-8	10	3000	0	*	67	40	32	−	−	11·3
	Thorney Island	25·7	−12	−	0	cf_s	45	92	43	7	−	7	7	0	10	−	1	*	62	45	34	−	Tr	*
	Lympne	25·1	+6	W'S	1	zo	47	97	46	6	−	1	−	0	10	−	0	1	62	44	35	−	−	8·6
	Manston	24·8	+6	SW'W	1	zo	50	85	47	6	−	7	−	0	10	−	0	*	65	44	41	−	−	7·5
2	Shoeburyness	24·5	−2	WSW	1	m	50	85	46	4	−	1	−	0	10	−		*	64	47	37	−	−	8·5
	Felixstowe	24·2	+2	W'S	1	zo	50	85	45	5	−	7	2	0	7-8	−	0	1	59	41	37	−	−	[illegible]
	Gorleston	23·0	+2	SSW	2	zo	50	75	41	6	5	−	−	10	10	1200	0	2	58	49	43	−	−	[illegible]
	Mildenhall	23·4	+4	SW'W	3	zo	51	75	45	6	−	7	−	0	10	−	0	*	70	49	41	−	−	10·4
	Cranwell	22·0	+2	W'S	4	ir.	50	75	44	6	5	7	−	2-3	10	2500	0	*	68	45	36	−	Tr	8·3
3	Birmingham	23·1	−2	SSW	2	ir.	48	85	44	7	−	7	−	0	10	−	1	*	65	47	39	−	Tr	9·0
	Upper Heyford	23·9	+2	SW	2	zo	46	92	43	6	−	1	7	0	10	−	0	*	68	44	39	−	−	*
4	Ross-on-Wye	23·7	−4	SW'S	2	c	49	85	44	8	−	2	−	0	10	−	0	*	65	48	43	−	−	9·6
5	Hartland Point	24·3	−2	WSW	3	c	49	92	47	8	5	−	−	9+	9+	2200	0	3	55	46	43	−	−	10·8
	Bristol	25·0	0	W	2	zo	48	92	47	6	−	7	−	0	10	−	0	*	67	46	36	−	Tr	10·6
	Portland Bill	25·2	+4	NW	2	c	50	92	48	8	5	7	−	4-6	10	4000	1	3	54	49	*	−	−	*
	Plymouth	25·5	−2	W'S	1	zo	46	92	44	6	−	7	7	0	9+	−	0	1	65	42	30	−	−	11·0
	The Lizard	25·1	−2	−	0	c-bc	47	92	45	8	7	3	−	7-8	7-8	2000	1	3	60	44	*	−	−	10·4
	Scilly (St. Mary's)	25·5	0	W	1	c	48	97	48	7	5	3	5	4-6	9+	1800	0	2	59	46	*	−	−	7·2
	Guernsey																							
6	Pembroke	23·8	−2	SW'W	3	c	50	97	49	8	5	−	−	10	10	3000	0	3	53	47	*	−	Tr	8·3
7	Holyhead (Valley)	21·4	−6	S	5	c/r	49	97	48	5	5	7	−	7-8	10	600	1	4	53	48	47	−	0·2	*
	Chester (Sealand)	21·4	−4	−	0	c/r	52	85	47	7	5	7	−	2-3	10	2000	1	*	64	51		−	2	
8	Manchester	22·2	−6	S	3	c/r	49	92	47	6	5	7	−	1	10	3000	1	*	63	47	46	−	0·1	*
10	Spurn Head	21·2	0	SW	4	c	49	85	45	7	5	2	−	4-6	10	2500	1	3	65	47	*	−	Tr	1·5
	Catterick (Sc.)	19·0	−4	SW	2	ir.	51	75	44	7	5	7	−	4-6	9+	2000	1	*	58	50	47	−	0·6	2·2
	Tynemouth	17·4	0	WSW	3	roro	53	75	46	5	8	−	−	9+	9+	2000	1	2	60	52	49	−	0·1	*
11	St. Abbs Head	12·5	+6	SW	5	c	51	92	49	7	5	4	−	7-8	9+	2500	0	4	58	50	*	Tr	−	*
	Leuchars	12·9	+2	SW	6	c	51	85	47	7	5	7	9	7-8	10	1000	0	*	61	49	46	−	Tr	5·9
12	Renfrew (Abbots I.)	14·8	+6	SSW	3	c/d	50	97	49	6	5	−	−	7-8	10	600	1	*	59	48	47	−	3	4·8
	Eskdalemuir	16·7	+4	SW	6	d.d.	47	97	46	6	−	2	−	10	10	300	1		50	46	45	4	2	0·0
	Point of Ayre	18·5	−2	W	5	c	51	85	48	7	6	7	−	2-3	9+	1000	1	4	61	49	*	1	1	1·9
13A	Tiree	11·5	−2	SW	5	d.d.	50	97	50	6	5	−	−	10	10	600	1	4	53	47	45	Tr	1	3·9
13B	Stornoway	05·0	−16	SW	6	c/d	51	97	49	7	5	2	−	7-8	10	1500	1	3	53	53	45	Tr	Tr	1·0
15	Dalwhinnie	10·7	0	SW	3	id	48	92	46	6	5	−	−	9+	9+	1500	1	*	55	42	42	−	1	1·4
	Aberdeen †	09·6	+10	SW'W	3	c	53	75	45	8	5	9	8	Tr	9+	2500	0	7	63	51	48	−	−	5·9
	Wick	06·5	+10	SW	4	c	52	75	46	9	5	7	−	4-6	9+	2500	1	*	57	47	45	0·4	Tr	*
16	Sumburgh	03·2	+22	WSW	5	c	47	85	44	7	5	7	−	2-3	10	2000	1	4	49	44	42	0·5	2	5·8
17	Blacksod Point	16·7	−6	SW	5	c	53	85	49	7	8	−	−	10	10	1500	1	4	54	50	*	−	2	*
18	Malin Head	14·0	−2	SW	4	c	53	92	51	8	5	−	−	9+	9+	1500	1	4	53	48		0·3		0·3
	Aldergrove	17·0	−4	SSW	3	c	51	97	49	8	5	−	−	10	10	800	1	*	60	48	47	−	1	4·6
19	Birr Castle	20·0	−6	SW	2	c	52	85	48	8	5	−	−	10	10	2500	1	*	61	50	46	0·1		6·6
20	Valentia Obsy.	21·6	−10	SSW	4	o	52	92	49	7	5	−	−	10	10	800	1	3	55	51	48	Tr	−	0·0
	Roches Point	22·1	−6	W	3	c-bc	51	92	49	8	5	−	−	4-6	7-8	1500	1	4	56	50	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th April ... 18h. G.M.T. — 01h. G.M.T. 14th April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
109	57	01854	24614	52	02763	20328	52	21755	19458	57	21746	54657
115	51	02844	535-7	52	62735	53668						
203							6-	64738	49726			
206	16	02963	22466	57	02962	24428	5-	02858	24128	5-	51848	24458
210	1-	02963	26315	47	02962	20328	57	02865	20528	57	02952	21326
219	17	02951	18626	62	61844	18628	5-	21648	19658	5-	51418	18558
230	5-	02565	20326	52	02855	20328	5-	58538	52458	5-	54508	20468
245	10	02854	22415	57	0295-	22418	57	02853	53628	59	02841	55528
260	53	02854	22366	57	02754	20328	52	61755	53568	54	02764	18427
278	57	02845	20257	57	02844	19327	52	61834	22368	52	21837	15368
279	62	52526	19568	53	05644	19625	52	22765	18568	57	62665	20668
285	23	51624	22656							27	05634	24627
288	57	02764	22427	54	01863	22325	52	02764	18328	62	61844	20468
575	7-	02865	28126	70	02755	18328	92	25746	18488	62	51635	18258
301	5-	02875	23326	54	02962	20426	5-	02758	55428	07	02790	21468
321	76	02754	18427	10	02661	26326	50	08454	18224	52	62553	20268
[illegible]	8-	02547	20317	54	05662	32213	54	05663	22214	5-	63648	22368
292	23	05664	22325	13	02763	24326	07	05690	22228	57	62643	22268
310	--	01626	20416							--	46109	24649
614	20	05665	18327	40	05663	24326	07	05590	26127	52	62554	24268

13h. G.M.T. 13th April ... 18h. G.M.T. — 01h. G.M.T. 14th April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
333	57	02855	17428	53	02742	20427	5-	05638	18328	5-	05628	18458
334	--	01662	28214							--	03547	24228
340	10	01764	22224	00	01990	24215	51	02752	18317	62	62853	20268
136	10	02763	20217	70	02764	20325	00	05690	22217	07	05690	20228
336	10	01763	20313	14	01762	24314				52	02656	20328
350	10	02863	20325	10	02863	20415	00	01790	18214	07	05690	22228
368	10	01751	12112	50	02764	22315	51	05654	00014	51	02644	20128
379	10	01854	20414	40	01852	20313	00	02790	20316	57	02655	20228
390	10	05562	20314	00	05690	16301	00	08490	18215	5-	08467	18217
382	14	02854	20425	10	01962	21224	00	01830	00013	07	02790	23218
438	54	01763	16214	00	00790	26100				71	02764	28118
430	00	01890	14315	00	01890	14213	00	01790	00014	07	08490	00025
409	10	01851	32101	00	02890	01328	00	05690	00014	09	05690	26128

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 April. 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	cbcy	bcbbcy	bccm
Croydon	cbcy	bcyby	by, m, w, fg
Greenwich	bcby	by	bcz.
Camden Square	cbc	b	*
Kensington	by	b	*
Hampstead	bc	bcy	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible]h. Max. 0·3, Time 13th. Min. <0·1, Time 10–19h 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	65	44	37	−	Tr	11·7	*	*
Croydon	70	45	40	−	Tr	12·5	*	*
Greenwich	71	45	31	−	−	11·8	41	65
Westminster	69	46	41	−	−		49	77
Regents Park	70	48	36	−	−		40	69
Camden Square	72	48	37	−	−	*	*	69
Kensington	69	47	38	−	−		51	73
Hampstead	68	46	38	−	−		*	72

SECRET

Page 1 BRITISH SECTION

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

Thursday 15th April 1943

No. 29729

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

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)	22·7	-12	sw'w	3	c	63	45	41	8	-	9	3	0	9+	-
	Croydon	23·6	-12	ssw	3	c	67	45	46	7	-	3	2	0	9+	-
	S. Farnborough	23·1	-14	sw	3	c	68	45	45	8	-	7	8	0	9+	-
	Boscombe Down	23·3	-14	sw	2	c	65	35	36	8	-	7	8	0	9+	-
	Thorney Island	24·1	-6	s'e	3	c	58	75	49	8	-	3	-	0	9+	-
	Lympne	24·2	-6	sse	2	c	59	55	43	8	-	7	7	0	10	-
	Manston	23·7	-8	sse	2	c	60	65	47	8	-	7	6	0	9+	-
2	Shoeburyness	22·7	-12	s	2	z0	63	85	59	5	-	7	-	0	9+	-
	Felixstowe	22·9	-10	s	4	z0	59	75	50	5	-	7	6	0	9+	-
	Gorleston	22·1	-6	sw	3	c	62	45	43	7	5	-	-	10	10	1400
	Mildenhall	22·2	-12	sw'w	3	c/d	65	55	49	8	-	7	6	0	9+	-
	Cranwell	21·3	-10	wsw	5	c	62	55	46	7	-	7	8	0	9+	-
3	Birmingham	21·5	-10	ssw	3	c	61	55	45	8	5	-	8	Tr	9	4000
	Upper Heyford	22·6	-10	sw	3	z	60	65	48	6	5	7	-	2-3	9+	5700
4	Ross-on-Wye	22·4	-8	sw	3	z	60	65	48	6	-	7	2	0	9+	-
5	Hartland Point	23·3	-8	wsw	3	c-bc	52	85	48	7	5	4	-	4-6	7-8	2500
	Bristol	23·9	-8	wsw	2	c/r	57	75	50	7	1	7	8	Tr	9+	2500
	Portland Bill	23·8	-12	wnw	2	c	55	85	51	8	2	4	-	4-6	9	4000
	Plymouth	24·7	-6	sw	3	c-bc	56	75	49	8	-	7	6	0	7-8	-
	The Lizard	24·1	-6	s	2	bc	56	85	50	8	7	3	-	4-6	4-6	3000
	Scilly (St. Mary's)	24·1	-8	sw's	2	bc	57	75	48	8	5	4	3	2-3	4-6	1800
	Guernsey															
6	Pembroke	23·1	-2	sw	3	c	51	97	49	7	5	2	-	4-6	10	3000
7	Holyhead (Valley)	20·8	-8	ssw	5	z0	53	85	49	6	5	7	-	7-8	10	1500
	Chester (Sealand)	20·7	-6	sw	3	c	64	45	43	8	7	4	8	1	9	3000
8	Manchester	20·6	-8	sw's	4	c	61	55	46	8	5	4	2	2-3	9	3000
10	Spurn Head	20·7	-8	sw'w	4	z	59	65	46	6	5	2	-	4-6	9+	1500
	Catterick (Sc)	18·4	-6	w	3	c	57	75	49	8	5	7	-	4-6	9	3000
	Tynemouth	17·5	0	wsw	5	z	62	65	59	6	2	3	-	4-6	7-8	2400
11	St. Abbs Head	13·7	+8	wsw	5	c-bc	61	85	55	7	5	4	-	4-6	7-8	2000
	Leuchars	12·1	-6	w	7	z0	60	75	52	6	2	7	9	4-6	9+	1500
12	Renfrew (Abbots I.)	14·6	-8	sw's	2	c	57	85	53	7	5	3	2	7-8	9+	1200
	Eskdalemuir	17·0	-4	sw	4	o	50	97	49	6	5	-	-	10	10	200
	Point of Ayre	18·3	-6	w	5	c	57	85	51	7	5	7	-	4-6	10	2500
13A	Tiree	12·3	+6	ssw	4	z0	51	97	50	6	5	-	-	10	10	400
13B	Stornoway	05·4	-2	ssw	7	id0	55	92	53	8	5	-	1	9	9+	1200
15	Dalwhinnie	10·0	+6	ssw	3	ir0	52	85	46	7	5	-	-	10	10	1500
	Aberdeen	10·5	+2	sw	3	c	61	65	50	8	1	4	-	Tr	9+	4000
	Wick	07·5	+6	ssw	6	bc	57	65	48	9	8	-	-	4-6	4-6	3000
16	Sumburgh	04·4	+4	sw	6	dd	48	97	48	5	5	-	-	10	10	500
17	Blacksod Point	15·2	-2	s	3	r0r0	51	97	50	7	2	-	-	10	10	1500
18	Malin Head	12·8	-8	s'w	6	c-bc	58	85	53	8	8	-	5	2-3	7-8	1500
	Aldergrove	16·5	-10	sw	4	c	57	75	51	8	5	-	2	9+	9+	1500
19	Birr Castle	18·2	-14	s	2	c	61	75	53	8	5	-	-	10	10	2500
20	Valentia Obsy.	19·7	-10	s'w	5	ir0	54	85	50	8	5	7	-	2-3	10	800
	Roches Point	20·9	-6	wsw	3	c-bc	54	85	50	8	5	7	-	4-6	7-8	1500

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

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)	21·1	-4	sw'w	2	c/r	60	65	46	8	5	9	6	2-3	9+	4000	0	*
Croydon	22·1	-6	ssw	3	c	61	65	47	7	5	7	-	Tr	10	7000	0	*
S. Farnborough	21·3	-6	sw'w	3	c	63	55	45	8	5	7	9	1	9+	6000	0	*
Boscombe Down	22·1	0	sw'w	3	c	61	45	39	8	5	3	8	4-6	9+	5000	0	*
Thorney Island	22·5	-6	sw	2	c	57	65	46	8	-	3	-	0	10	-	0	*
Lympne	22·4	-8	s	2	c	57	65	45	8	-	7	-	0	9+	-	0	[illegible]
Manston	22·0	-8	sw's	3	c	60	55	45	8	-	7	-	0	9+	-	0	*
Shoeburyness	21·6	-6	wsw	3	z0	63	55	48	6	-	7	-	0	10	-	0	*
Felixstowe	21·2	-8	s'w	2	c	53	85	49	7	-	7	-	0	9+	-	0	2
Gorleston	21·0	-2	s'w	3	z0	55	75	46	6	-	7	-	0	9+	-	0	3
Mildenhall	20·3	-8	sw'w	3	c	64	55	47	8	5	7	-	4-6	10	5700	0	*
Cranwell	18·8	-22	sw	4	c	63	55	47	6	-	7	6	0	9+	-	0	*
Birmingham	19·8	-8	ssw	3	c	60	65	48	8	-	7	-	0	9+	-	0	*
Upper Heyford	21·0	-4	wsw	2	c	59	65	47	7	5	7	2	4-6	9+	-	0	*
Ross-on-Wye	20·8	-4	sw'w	3	c	58	65	47	8	-	7	-	0	9+	-	0	*
Hartland Point	21·6	-6	wsw	3	bc	53	85	49	8	1	-	5	2-3	4-6	2000	0	3
Bristol	21·9	-10	sw	2	c/r	56	85	50	7	-	7	-	0	9	-	0	*
Portland Bill	22·1	-12	w	2	c	54	92	52	8	2	4	-	4-6	9	4000	1	3
Plymouth	23·1	-10	sw's	2	c-bc	55	75	46	8	-	3	2	0	7-8	-	0	3
The Lizard	22·4	-10	wnw	2	bc	56	85	51	8	7	-	-	4-6	4-6	3000	0	c
Scilly (St. Mary's)	22·7	-8	w's	1	bc	54	85	48	8	5	-	2	Tr	4-6	1800	0	3
Guernsey																	
Pembroke	21·5	-6	wsw	4	c	49	97	49	7	5	-	-	10	10	2500	0	3
Holyhead (Valley)	19·5	-2	ssw	5	id0	50	85	44	5	5	-	-	10	10	300	1	4
Chester (Sealand)	18·8	-6	sw	2	c-bc	61	55	33	8	-	4	9	0	7-8	-	0	*
Manchester	18·5	-12	sw's	4	c-bc	61	55	45	8	-	4	-	0	7-8	-	0	*
Spurn Head	18·5	-4	sw	4	z0	63	45	41	6	7	3	2	2-3	7-8	2500	0	2
Catterick (Sc)	18·4	-4	sw	4	c-bc	57	65	45	8	5	9	-	1	7-8	4000	0	*
Tynemouth	16·8	-2	sw	4	z0	60	75	54	6	-	4	2	0	4-6	-	0	2
St. Abbs Head	10·1	-12	sw	7	c-bc	54	92	51	7	4	4	-	4-6	7-8	2500	0	6
Leuchars	12·1	-4	sw	4	z0	58	85	53	6	5	3	-	7-8	9+	2500	1	*
Renfrew (Abbots I.)	12·8	-2	ssw	4	r0r0	56	97	54	6	6	2	-	7-8	10	1000	1	*
Eskdalemuir	15·4	-10	sw's	4	ir	50	92	47	7	5	7	-	4-6	7-8	700	1	*
Point of Ayre	16·3	-12	sw	4	ir0	54	85	50	8	5	7	-	2-3	9+	1500	0	3
Tiree	09·5	-16	sw	5	c	51	97	50	7	5	-	-	10	10	800	1	4
Stornoway	03·0	-10	ssw	7	r0r0	51	97	51	6	5	2	-	9	10	600	1	5
Dalwhinnie	08·5	-18	sw	3	c	53	75	46	7	5	7	-	7-8	9+	1500	1	*
Aberdeen	08·8	-12	sw	5	c	58	75	50	8	5	4	-	Tr	9+	4000	0	2
Wick	04·8	-16	ssw	4	bc	55	75	48	9	8	3	9	4-6	4-6	2500	0	*
Sumburgh	01·3	-26	sw	5	c	49	92	47	8	5	7	-	7-8	9+	1500	1	4
Blacksod Point	13·2	-10	ssw	6	d0d0	51	92	49	7	6	2	-	4-6	10	1500	1	5
Malin Head	11·2	-10	sw	6	c/r	55	85	51	8	5	2	-	4-6	10	1500	1	4
Aldergrove	14·9	-4	sw	4	r0r0	55	75	49	8	5	2	-	4-6	10	1500	1	*
Birr Castle	16·9	-6	s	2	c	55	65	44	8	5	-	-	10	10	2500	1	*
Valentia Obsy.	18·0	-10	s'w	4	ir0	53	85	49	8	5	-	-	10	10	1500	1	4
Roches Point	19·6	-10	wsw	3	c	52	85	48	8	5	-	-	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 14th (39)	Weather 13h.—18h. 14th (40)	Weather 18h. 14th to 1h. 15th (41)	Weather 1h.—7h. 15th (42)
London (Kew)	cm0wcy	cycr0c	c	ccz0w
Croydon	cd0cy	cy	cz0bcz0	bcz0ccz0
S. Farnborough	cm0ccy	cyr0cy	cycbbc	bcc
Boscombe Down	ccy	cycir0cy	cybccm0	of
Thorney Island	cfgcm0c	c	cbc	ccfg
Lympne	cm0wcy	cy	c	c
Manston	oz0c	cyc	c	cm0c
Shoeburyness	cmz0m0	cm0z0	cz0	cz0
Felixstowe	bcm0cz0	cz0c	ccm0	cm0
Gorleston	cy	cz0	cz0c	bccz0
Mildenhall	cz0cid0	cy	c	b,c
Cranwell	cr0r0m0c	cy	cz0ybm0	bm0c
Birmingham	pr0c	cbcc	cbc	bcc
Upper Heyford	bccz0	cm0c	cbccm0	cm0cm
Ross-on-Wye	ir0cz0	cc	cbc	cbc
Hartland Point	cir0	cbcf	bcc	c
Bristol	cm0cir0	ccir0	cm0wofmw	ocm0c
Portland Bill	c	cc	c	c
Plymouth	cm0c	bc	bbc	bcbm0f
The Lizard	cbc	bc	bbcw	bcw
Scilly (St. Mary's)	cbc	bc	bcbbcc	oFF
Guernsey				
Pembroke	cm0	c	c	c
Holyhead (Valley)	cm0	bccm0	d0m0c	cbc
Chester (Sealand)	cy	cybcy	cbc	b
Manchester	cir0m0c	cy	cyz0m0	cbcm0
Spurn Head	cm0	cz0	bc	bcz0
Catterick (Sc)	c	c	cir0c	c
Tynemouth	cbccm0	cbcm0	bccm0	c
St. Abbs Head	c	cbc	c	cbccbc
Leuchars	cm0z0	cz0	cpr0m0cbc	cbcm0bc
Renfrew (Abbots I.)	cm0d0d0cm	ccm0rr0r0	cm0fcir0cm0	cm0id0d0c
Eskdalemuir	od0mm0	od0fcir	ofir0	od0d0m
Point of Ayre	c	c	cr0r0c	c
Tiree	od0m0cm0	om0c	cbcbbc	cr0c
Stornoway	cd0d0m0cid0	cd0d0m0	cr0r0id0c	cbcc
Dalwhinnie	cir0c	oir0c		coir0c
Aberdeen	c	c	bcw	bcw
Wick	cbc	bc	cbc	circ
Sumburgh	cm0d0d0dd	c	cd0d0m0c	cpr0ph[illegible]
Blacksod Point	r	d	c	c
Malin Head	c	+	r	pr
Aldergrove	cid0c	cir0r0r0	cr0r0c	cid0
Birr Castle	c	+		c
Valentia Obsy.	r	r	r	r
Roches Point	c	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 15th April 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	Moderate to light southwest wind, fine; good visibility; moderate locally; warm
8 N.W. England	As 10-12
9 N. Midlands	As 1-7.
10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Moderate southwest wind; mainly fair becoming fine but some cloudy periods with slight rain at first; good visibility; warm.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Fresh to moderate westerly wind; mainly fair but some showers in north and west; very good visibility; rather cold becoming rather warm.
16 Orkneys and Shetlands	As 13A -15.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	As 10-12.

GENERAL INFERENCE

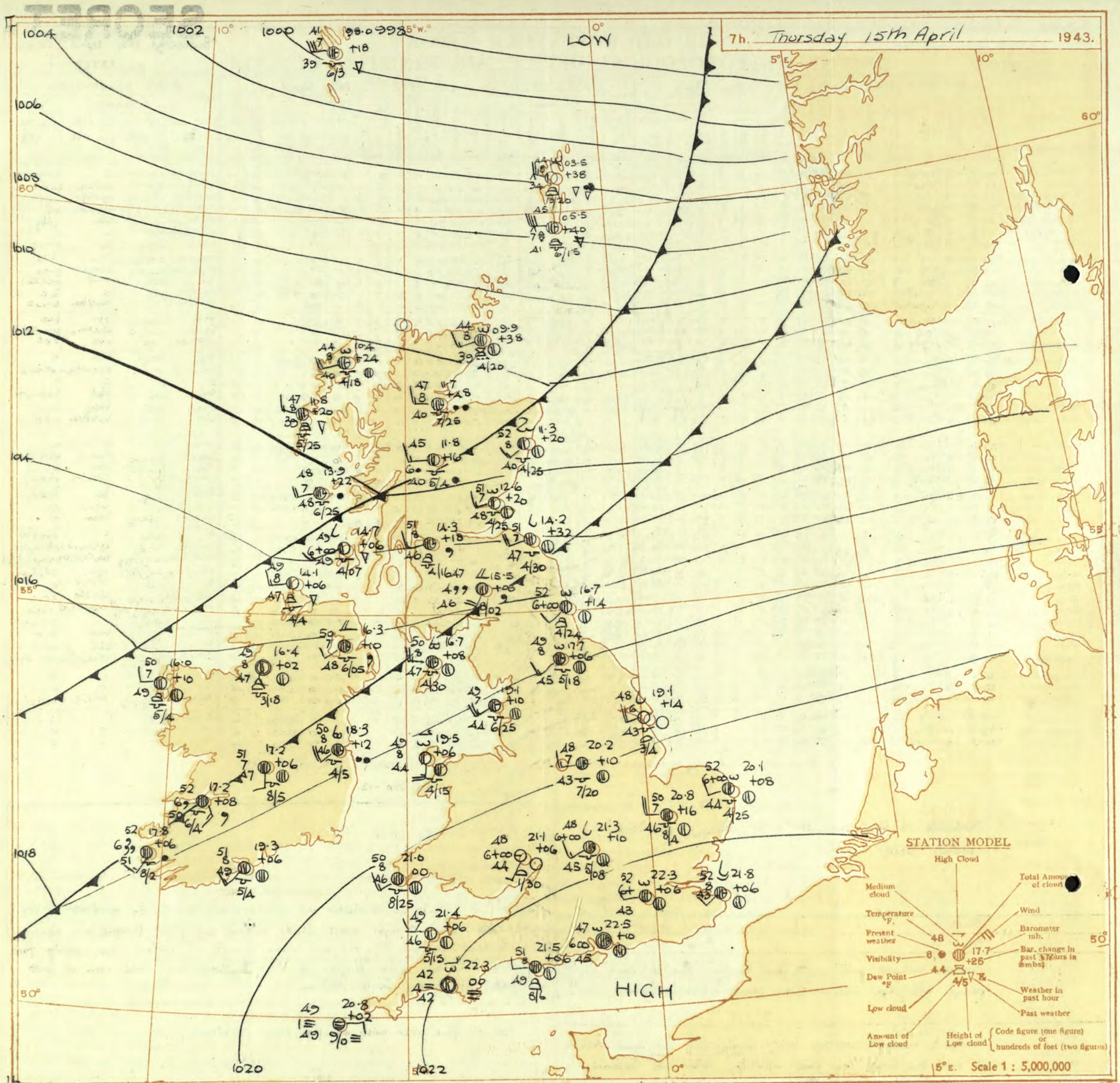
Pressure is high to the southwest and southeast and low to the northeast of the British Isles. Weak troughs across South Scotland and North Ireland are moving slowly southeast. It will be fine and warm in most of England and mainly fair elsewhere but with some showers in West Scotland and local rain at first in North England and South Scotland.

FURTHER OUTLOOK

Fair or fine over most of country. Warm.

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.

Thursday 15th April 1943.

No. 29729

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

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	22.0	-2	ssw	3	e-bc	51	75	43	6	-	3	-	0	7-8	-
	S. Farnborough	226	21.6	+2	sw	2	b-bc	47	75	40	7	-	3	*	0	2-3	-
	Boscombe Down	417	21.9	-2	s'w	1	z.	46	92	43	6	5	3	·	Tr	9	2500
	Thorney Island	10	21.7	-2	-	0	b-bc	42	92	40	7	-	3	-	0	2-3	-
	Lympne	283	22.1	-6	s	2	c	50	75	43	7	-	7	-	0	9	-
	Manston	154	21.5	-4	sw's	3	bc	51	75	44	7	-	7	-	0	4-6	+
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	20.4	-6	sw	3	z.	53	75	47	6	-	3	-	0	9	-
	Gorleston	5	19.7	-4	sw's	2	c	58	65	46	7	5	-	-	10	10	1500
	Mildenhall	15	19.5	-8	sw's	3	b-bc	56	75	47	8	-	3	-	0	2-3	-
	Cranwell	203	18.2	-6	sw	4	z.	51	85	45	6	-	-	1	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20.6	-2	sw	2	z.	49	92	47	6	-	3	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.5	-8	w	3	c	49	92	46	7	5	-	-	9	9	1500
	Bristol	209	21.9	-2	w	2	o	49	92	47	7	5	-	·	10	10	900
	Portland Bill	32	21.6	-6	w	2	c-bc	51	92	49	8	2	4	-	4-6	7-8	4000
	Plymouth	82	22.5	-4	-	0	bc	44	92	43	6	-	-	2	0	4-6	-
	The Lizard	240	21.8	-8	sse	2	b-bc	49	97	49	7	4	-	+	2-3	2-3	2500
	Scilly (St. Mary's)	163	21.3	-10	se	1	c-bjf	48	97	47	6	5	-	·	7-8	7-8	600
	Guernsey	175															
6	Pembroke	142	20.9	-2	wsw	4	c	50	85	46	8	5	-	·	10	10	2500
7	Holyhead (Valley)	32	18.5	-4	s'w	6	c	49	85	46	8	5	-	-	9+	9+	1100
	Chester (Sealand)	16	18.2	-6	ssw	1	c-bc	49	85	44	7	5	4	·	2-3	7-8	3000
8	Manchester	235	18.0	-8	s'w	4	z.	47	92	45	6	-	3	·	0	4-6	-
10	Spurn Head	29	17.6	-8	sw	3	b-bc	55	65	42	7	7	3	-	2-3	2-3	4000
	Catterick (Sc)	192	16.2	-14	sw	4	c-bc	50	75	44	8	5	7	-	2-3	7-8	4000
	Tynemouth	108	15.4	-4	wsw	5	c-bc	52	85	48	7	2	-	·	7-8	7-8	2500
11	St. Abbs Head	280	11.5	+6	sw	4	c-bc	51	97	50	7	5	4	-	4-6	7-8	2500
	Leuchars	36	10.0	-2	wsw	6	bc	53	92	50	7	5	3	9	2-3	4-6	2800
12	Renfrew (Abbots I.)	19	12.4	-6	sw	4	id.	50	92	49	6	5	-	·	10	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15.4	-6	w	3	c	51	92	48	8	4	7	·	Tr	9	2000
13A	Tiree	44	11.0	+10	sw'w	5	c-bc	50	97	50	7	1	-	-	7-8	7-8	3000
13B	Stornoway	15	04.9	+16	wsw	7	c	50	97	48	7	5	2	-	4-6	9	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	07.4	-6	sw	4	c-bc	52	92	50	9	-	7	-	0	7-8	-
	Wick	114	03.9	+4	sw	7	bc	51	75	42	9	5	-	4	2-3	4-6	3000
16	Sumburgh	19	99.0	-6	sw'w	8	c	49	85	46	7	5	-	·	9+	9+	2000
17	Blacksod Point	18	14.5	+8	sw	3	c-bc	50	92	48	7	8	-	-	7-8	7-8	1500
18	Malin Head	84	12.6	+4	w's	4	bc	50	97	49	8	5	-	·	4-6	4-6	1500
	Aldergrove	268	15.3	-2	sw's	2	c	51	85	46	8	5	-	·	10	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.8	0	s'w	4	d.d.	61	97	60	6	5	-	-	10	10	450
	Roches Point	22	18.8	-4	sw	4	c	51	85	47	8	5	·	-	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
London (Kew)	22.3	+8	wsw	2	z.	50	75	42	6	5	3	·	4-6	7-8	4000	0	*	66	49	35	Tr	-	1.7
Croydon	22.3	+6	wsw	1	c-bc	52	75	43	6	-	3	·	0	7-8	-	0	*	68	48	45	-	-	0.5
S. Farnborough	22.0	+10	w's	1	c	47	85	43	7	-	7	9	0	9	*	0	*	68	45	32	Tr	-	3.7
Boscombe Down	22.5	+6	w'n	2	f-	47	97	47	2	-	-	-	10	10	<150	0	*	67	41	33	Tr	Tr	1.9
Thorney Island	22.5	+10	-	0	z.	47	92	45	6	-	3	·	0	9+	-	0	*	62	40	33	-	-	*
Lympne	22.4	+6	s	1	c	50	75	43	8	-	3	9	0	9+	-	0	§1	61	48	44	·	-	0.6
Manston	21.8	+6	sw	2	c	52	75	44	8	-	9	·	0	9	-	0	·	64	48	45	-	-	0.9
Shoeburyness	21.6	+4	sw	3	z.	52	75	44	6	-	3	·	0	7-8	-	0	*	67	50	43	-	-	0.0
Felixstowe	21.1	+14	sw'w	2	z.	51	85	46	6	-	3	-	0	9+	-	0	2	62	49	45	-	-	[illegible]
Gorleston	20.1	+8	wsw	2	z.	52	75	44	6	5	3	·	4-6	7-8	-	0	2	67	51	45	-	-	0.[illegible]
Mildenhall	20.8	+16	w	4	c	50	85	46	7	5	-	·	10	10	1500	0	*	66	47	41	Tr	-	0.7
Cranwell	19.8	+18	wnw	4	c	48	85	44	7	5	7	-	7-8	9+	1800	0	*	67	45	42	0.2	-	1.6
Birmingham	21.0	+6	wsw	3	c	49	85	45	7	5	-	-	9+	9+	1500	0	*	63	46	42	0.1	-	2.2
Upper Heyford	21.3	+10	sw'w	3	z.	48	85	45	6	5	4	-	7-8	9	800	0	*	64	47	44	-	-	*
Ross-on-Wye	21.1	+6	ssw	1	z.	48	85	44	6	1	-	·	Tr	Tr	2500	0	*	62	45	38	Tr	-	0.4
Hartland Point	21.4	+6	w	2	c-bc	49	92	46	7	5	-	·	7-8	7-8	1500	0	3	54	49	47	Tr	-	2.6
Bristol	22.1	+4	w	2	c	51	85	47	7	5	-	·	9	9	1500	0	*	59	47	40	Tr	-	0.2
Portland Bill	21.5	+6	w	2	c	51	92	49	8	2	-	·	10	10	4000	1	3	55	49	*	Tr	-	*
Plymouth	22.3	0	-	0	m	42	97	42	4	-	3	1	0	4-6	-	0	1	56	40	31	·	-	10.6
The Lizard	21.7	+8	ne	3	b-bc	49	97	49	8	7	3	-	2-3	2-3	2500	1	3	58	47	*	·	-	9.4
Scilly (St. Mary's)	20.8	+2	e'n	2	f	49	97	49	1	-	-	-	10	10	<150	1	2	58	46	*	·	0.1	9.8
Guernsey																							
Pembroke	21.0	0	sw'w	3	c	50	85	46	8	5	-	-	10	10	2500	0	3	52	47	*	-	-	0.0
Holyhead (Valley)	19.5	+6	s'w	5	bc	49	85	44	8	5	3	8	4-6	4-6	1500	1	4	55	47	47	-	-	*
Chester (Sealand)	19.3	+6	wsw	2	b	51	75	44	8	5	-	1	Tr	1	2000	0	*	67	48	37	-	·	2.7
Manchester	19.9	+10	sw's	3	z.	47	85	43	6	1	4	1	Tr	2-3	2500	0	*	64	43	36	Tr	-	*
Spurn Head	19.1	+14	wsw	4	b-bc	48	85	43	6	7	4	-	2-3	2-3	1500	0	3	64	46	*	-	-	2.5
Catterick (Sc)	17.7	+6	sw	3	c	49	85	45	8	5	3	-	7-8	9+	1800	0	*	60	47	43	0.2	Tr	2.1
Tynemouth	16.7	+14	sw	2	z.	52	45		6	2	3	-	4-6	7-8	2400	0	2	64	51	49	-	-	*
St. Abbs Head	14.2	+32	wsw	4	c-bc	51	85	47	7	5	4	-	4-6	7-8	3000	0	4	61	48	*	-	-	*
Leuchars	12.6	+20	wsw	3	bc	51	92	48	7	5	3	-	4-6	4-6	2500	0	*	61	50	47	-	Tr	2.1
Renfrew (Abbots I.)	14.3	+18	wsw	3	c	51	85	46	8	8	-	-	4-6	9+	1600	1	*	58	49	45	1	3	2.4
Eskdalemuir	15.5	+6	ssw	4	d.d.	47	97	46	4	-	2	·	10	10	200	1	*	51	45	45	0.6	0.2	0.0
Point of Ayre	16.7	+8	w	5	c	50	92	47	8	5	7	·	4-6	9+	3000	1	3	62	49	*	-	0.5	0.5
Tiree	13.9	+22	wsw	4	c	48	97	48	7	5	-	-	9	9+	2500	0	4	53	48	46	Tr	1	0.0
Stornoway	10.4	+24	wsw	4	c	44	85	40	8	5	3	-	4-6	9	1800	1	2	56	42	37	0.6	1	0.5
Dalwhinnie	11.8	+16	w	3	ir.	45	85	40	6	5	-	-	7-8	7-8	1500	1	*	55	45	44	0.1	1	2.4
Aberdeen †	11.3	+20	sw	3	c-bc	52	65	40	8	5	-	9	4-6	7-8	2500	1	2	63	50	44	-	-	0.1
Wick	09.9	+38	wsw	3	c-bc	44	85	39	8	9	3	-	4-6	7-8	2000	1	*	62	42	39	·	1	*
Sumburgh	05.5	+40	w	8	phr	45	85	41	7	8	-	-	9	9	1500	1	4	50	44	39	0.5	0.6	0.1
Blacksod Point	16.0	+10	w's	2	c-bc	50	97	49	7	8	-	-	7-8	7-8	1500	1	2	54	48	*	1	0.2	*
Malin Head	14.1	+6	w's	3	bc	49	92	47	8	8	-	·	4-6	4-6	1500	1	3	59	48		Tr	0.2	3.6
Aldergrove	16.3	+10	sw'w	2	c	50	92	48	7	5	2	-	9	9+	500	1	*	61	49	45	0.1	0.3	0.8
Birr Castle	17.2	+6	s	2	c	51	85	47	7	5	-	-	10	10	2500	1	*	61	48	42	0.1	-	0.1
Valentia Obsy.	17.8	+6	sw's	3	dd	52	97	51	6	5	-	-	10	10	450	1	3	56	51	50	Tr	2	0.0
Roches Point	19.3	+6	sw	3	c-bc	51	92	49	8	5	-	·	7-8	7-8	1500	1	4	55	51	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th April C_LC_M	$wwVhN_h$	DDFWN	18h. G.M.T. C_LC_M	$wwVhN_h$	DDFWN	01h. G.M.T. 15th April C_LC_M	$wwVhN_h$	DDFWN	07h. G.M.T. C_LC_M	$wwVhN_h$	DDFWN
109				57	01754	19465	57	02763	54717	53	02754	24425
115												
203	5-	61838	20768	6-	62728	20768				80	02946	24426
206	5-	02858	22428	53	01854	55524	50	01863	55613	5-	22857	24367
210	26	01964	54514	26	02854	53515	53	02964	21425	57	62655	27367
219	5-	51528	19658	5-	21628	18658	5-	51658	21668	80	02855	26385
230	5-	05738	20458	5-	51734	19368	5-	61648	18468	8-	10744	22367
245	55	02952	23416	59	02764	22517	54	01853	22423	54	01743	19213
260	5-	02857	20427	87	25754	51526	5-	05667	20427	20	05654	53424
278	52	02847	18358	57	61843	20288	57	02845	22367	84	02847	18228
279	5-	02724	20568	57	05654	19627	5-	02837	18667	52	05624	20658
285	5-	05628	32428							27	51525	24657
288	53	02864	20425	19	02862	20416	53	02862	19365	53	02844	19325
578	53	02845	18326	52	22745	18368	52	51645	18328	80	01843	00014
301	5-	02878	19328	04	01890	22125	07	02790	22217	5-	02756	20526
321	07	05690	20468	07	02790	22325	04	05690	20124	74	05563	18124
2[illegible]9	51	05653	22323	53	05654	22214	53	05643	22214	53	02754	22215
292	57	05665	24466	18	62873	26225	57	05662	20215	54	02846	22327
310	--	01634	24414								02628	24428
614	07	05590	24225	04	05630	20326	00	05690	23212	57	05646	24327
333	5-	02746	18526	5-	02658	51528	52	52647	51458	53	02855	13355
334	--	02663	28216							--	03647	24428
340	57	02861	24225	54	02964	24226	53	02745	20217	5-	02944	24227
136	09	02790	20368	53	02761	19327	03	02790	20316	53	05645	22317
336	13	01762	20315	23	02752	20317				57	02754	24427
350	57	02328	22659	57	02874	22327	07	05690	20216	57	02745	22328
368	77	02874	24267	03	01790	24315	5-	02647	24127	5-	05647	18227
379				57	02764	20326	--	48209	20329	5-	05645	22345
390	02	05590	18228	07	05590	18228	03	08490	18213	03	05590	20226
382				07	02890	28167	03	02790	00027			
438	57	02764	24326	57	02864	22328	53	01763	22314	57	02765	22216
430				57	02890	20327	03	01790	00014	03	05690	00028
409	09	02890	28225	00	01890	25214	5-	05538	00018	57	01731	04141

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 15th April
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.wcy	eycr.c	ccz.w
Croydon	cd.cy	cy	cz.bcz.
Greenwich	cy	cy	cblc
Camden Square	c	c	*
Kensington	bc	be	*
Hampstead	zc	bcp	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible] Max. [illegible] 0.3 7h 14th Min. Time <0.1 11-29h 14th

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	66	49	35	Tr	-	1.7	*	*
Croydon	68	48	45	-	-	0.5	*	*
Greenwich	70	48	36	-	-	0.5	49	63
Westminster	69	51	45	-	-		74	85
Regents Park	66	51	48	-	Tr		49	73
Camden Square	70	51	45	-	-	*	*	75
Kensington	68	50	40	-	-			78
Hampstead	68	48	44	-	Tr		*	75

SECRET

Page 1

BRITISH SECTION

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

Friday 16th April 1943.

No. 29730

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

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)	21·6	−6	W	2	b-bc	67	35	40	8	-	3	9	0	2-3	-
	Croydon ...	22·7	−2	W'S	2	b-bc	71	45	46	8	-	4	1	0	2-3	-
	S. Farnborough	22·6	+2	W	3	b-bc	70	35	41	8	-	7	4	0	2-3	-
	Boscombe Down	22·1	−8	S	1	b-bc	69	65	56	7	-	-	6	0	2-3	-
	Thorney Island	22·7	+2	S	3	bc	61	55	47	7	-	-	4	0	4-6	-
	Lympne ...	22·8	0	SSE	2	b-bc	64	65	51	8	-	4	1	0	2-3	-
	Manston ...	22·2	−4	SW	2	b-bc	71	35	45	8	-	3	5	0	2-3	-
2	Shoeburyness ...	21·8	−4	W'S	2	z_0	72	25	37	6	-	4	-	0	4-6	-
	Felixstowe ...	21·7	−4	W	3	z_0	68	55	52	6	-	-	9	0	2-3	-
	Gorleston ...	20·9	−4	SW	3	b	63	55	46	7	-	-	1	0	1	-
	Mildenhall ...	21·4	0	SW'W	3	b-bc	66	55	47	8	-	4	1	0	2-3	-
	Cranwell ...	20·3	−6	SW	5	b	63	55	47	7	1	3	-	Tr	1	3500
3	Birmingham ...	20·8	−2	SW	3	b	61	55	45	8	1	-	9	Tr	1	2500
	Upper Heyford	21·1	−4	SW	3	b-bc	65	55	48	7	-	-	2	0	2-3	-
4	Ross-on-Wye	20·7	−4	W'S	3	b	65	55	46	7	-	-	9	0	1	-
5	Hartland Point	20·7	−10	ENE	3	b	53	85	47	7	1	-	-	1	1	3000
	Bristol ...	22·5	−2	WSW	1	b	65	55	49	8	-	-	1	0	Tr	-
	Portland Bill ...	22·2	−4	E	1	bc	56	85	51	8	2	4	-	4-6	4-6	4000
	Plymouth ...	22·0	−2	S	2	b-bc	65	55	48	7	-	4	4	0-2	2-3	-
	The Lizard ...	21·6	−2	NE'N	2	b-bc	61	85	58	8	7	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	20·3	−4	ENE	2	b/f	61	85	56	7	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	21·3	−2	S'E	1	bc	54	85	49	8	2	3	1	1	4-6	3000
7	Holyhead (Valley)	21·1	+4	S'W	5	c	53	75	46	8	5	7	-	7-8	9+	2500
	Chester (Sealand)	19·7	−2	VV	2	b	65	45	45	8	1	-	-	Tr	Tr	3500
8	Manchester ...	19·9	−2	S'E	3	bc	61	55	45	8	1	-	-	4-6	4-6	4000
10	Spurn Head ...	19·8	+4	S	2	z_0	59	65	46	6	-	-	-	0	0	-
	Catterick (Sc) ...	18·9	+4	NSW	4	c-bc	60	65	48	8	5	3	9	4-6	7-8	1800
	Tynemouth ...	18·5	+8	W	3	c-bc	60	85	54	7	8	3	-	4-6	7-8	2500
11	St. Abbs Head	15·3	+4	WNW	4	c-bc	57	65	45	7	1	6	-	4-6	7-8	2500
	Leuchars ...	15·6	+20	WSW	4	c/pr	57	55	41	8	8	-	-	9	9	2500
12	Renfrew (Abbots I.)	16·7	+10	W	3	c	55	75	48	8	8	-	-	9	9	2500
	Eskdalemuir ...	17·3	+6	SSW	4	c	53	85	49	6	5	7	-	9	9+	1600
	Point of Ayre ...	18·6	+8	W'N	5	d_0d_0	56	85	51	7	5	-	-	9+	9+	1500
13A	Tiree ...	16·8	+16	W	1	c	50	75	41	8	5	-	-	10	10	4000
13B	Stornoway ...	14·5	+16	WSW	5	pr	48	85	44	8	8	3	-	7-8	9+	2200
15	Dalwhinnie ...	15·5	+12	SW	3	c-bc	51	75	42	7	8	3	-	4-6	7-8	2500
	Aberdeen ...	15·2	+10	ESE	3	bc/pr	50	85	45	8	3	3	3	4-6	4-6	4000
	Wick ...	13·2	+14	WSW	4	c-bc	51	55	34	9	8	3	-	4-6	7-8	2500
16	Sumburgh ...	09·4	+20	W	7	bc	47	75	40	8	3	6	-	4-6	4-6	2500
17	Blacksod Point	17·6	+6	SW	2	bc	56	75	48	7	8	4	-	2-3	4-6	2500
18	Malin Head ...	16·8	+10	W	4	bc	54	85	50	8	2	-	-	4-6	4-6	1500
	Aldergrove ...	17·7	+4	SW'S	3	c/d	55	85	51	8	5	3	-	9	9+	1500
19	Birr Castle ...	18·1	+6	SSW	4	ir_0	58	85	53	7	8	-	-	9+	9+	1500
20	Valentia Obsy.	18·7	+6	SW'W	3	c	56	85	51	8	2	-	-	9	9	1500
	Roches Point	19·6	+2	SSW	3	b-bc	55	85	51	8	5	4	-	1	2-3	2500

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

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)	21·0	+2	SSW	3	c	64	55	49	8	-	7	3	0	9	-	0	*
	Croydon ...	21·3	+4	SW	3	c	68	55	51	8	-	4	2	0	9	-	0	*
	S. Farnborough	21·9	+16	SW	3	c	68	45	47	8	-	7	4	0	9	-	0	*
	Boscombe Down	21·4	0	S	3	c-bc	64	55	45	8	-	-	6	0	7-8	-	0	*
	Thorney Island	21·9	−2	SSE	3	c	58	65	48	9	-	-	9	0	9	-	0	*
	Lympne ...	22·5	−2	S	1	c-bc	58	65	48	8	-	9	-	0	7-8	-	0	§
	Manston ...	21·5	−2	SW	2	c-bc	64	65	50	8	-	3	5	0	7-8	—	0	*
2	Shoeburyness ...	21·1	+2	S	2	z_0	62	65	49	6	-	3	-	0	7-8	-	0	*
	Felixstowe ...	20·9	0	S'W	2	b	57	75	50	7	-	-	9	0	1	-	0	2
	Gorleston ...	20·3	−4	S'W	2	z_0	71	35	44	6	5	-	9	4-6	4-6	2500	0	3
	Mildenhall ...	20·3	0	WSW	3	bc	68	45	47	8	-	-	2	0	4-6	-	0	*
	Cranwell ...	20·0	+2	WSW	2	b	65	55	48	7	-	4	6	0	Tr	-	0	*
3	Birmingham ...	19·8	−2	SSW	3	b	67	55	50	8	-	-	1	0	Tr	-	0	*
	Upper Heyford	20·9	+6	SW	3	c-bc	67	55	50	7	-	-	9	0	7-8	-	0	*
4	Ross-on-Wye	20·1	−4	SW'W	2	bc	65	55	49	8	-	-	4	0	4-6	-	0	*
5	Hartland Point	19·8	0	NE	2	b-bc	55	75	47	8	1	4	5	Tr	2-3	3000	0	3
	Bristol ...	20·9	−4	SW	3	c-bc	66	55	49	8	-	-	2	0	7-8	-	0	*
	Portland Bill ...	21·2	−2	E	2	c-bc	53	85	49	8	2	4	-	4-6	7-8	4000	1	2
	Plymouth ...	21·3	−2	S	1	b-bc	60	65	48	8	-	4	1	0	2-3	-	0	1
	The Lizard ...	20·1	−4	ESE	2	b-bc	58	75	50	8	7	-	-	2-3	2-3	3000	0	2
	Scilly (St. Mary's)	19·4	−4	SE'S	3	b-bc	57	85	51	7	5	4	2	1	2-3	1800	0	3
	Guernsey ...																	
6	Pembroke ...	20·8	0	-	0	b-bc	53	85	47	8	-	4	5	0	2-3	-	0	2
7	Holyhead (Valley)	20·7	+6	SSW	4	b	52	85	46	8	5	4	8	Tr	1	2500	0	3
	Chester (Sealand)	20·2	+10	WSW	1	b	57	65	46	8	-	-	-	0	0	-	0	*
8	Manchester ...	19·9	+2	NW	3	b	57	65	47	7	-	4	-	0	Tr	-	0	*
10	Spurn Head ...	19·8	0	WSW	3	b	65	45	40	7	-	-	-	0	0	-	0	2
	Catterick (Sc) ...	19·7	+4	SW	2	bc	50	65	37	8	1	3	-	2-3	4-6	4000	0	*
	Tynemouth ...	19·4	+28	W	3	c-bc	58	75	48	7	8	3	-	4-6	7-8	2300	0	2
11	St. Abbs Head	16·9	+4	WNW	2	c-bc	56	75	48	7	5	4	-	4-6	7-8	3500	0	2
	Leuchars ...	17·7	+20	WSW	4	b-bc	57	85	53	8	8	-	-	2-3	2-3	2500	0	*
12	Renfrew (Abbots I.)	18·1	+14	WSW	2	c-bc	56	65	45	8	2	4	-	7-8	7-8	3000	1	*
	Eskdalemuir ...	19·3	+10	S'W	4	f	49	92	47	2	-	2	-	10	10	<150	1	*
	Point of Ayre ...	19·5	−4	SE	2	c	53	85	49	6	5	-	-	9+	9+	2000	0	2
13A	Tiree ...	19·1	+16	W	1	ir_0	48	85	44	9	5	-	-	10	10	3500	0	3
13B	Stornoway ...	17·9	+30	WSW	5	pr	48	85	44	8	8	4	-	7-8	9	2500	1	3
15	Dalwhinnie ...	18·8	+18	SW	3	c	46	75	39	7	5	-	-	9+	9+	2500	0	*
	Aberdeen ...	17·8	+20	SSE	2	z_0	48	85	44	5	4	6	-	2-3	7-8	3500	1	1
	Wick ...	16·5	+16	W	3	b-bc	50	55	34	8	8	4	-	2-3	2-3	4000	0	*
16	Sumburgh ...	12·6	+24	W	6	b-bc/pr	45	97	44	8	2	6	-	1	2-3	2500	1	4
17	Blacksod Point	18·3	+6	SW	2	c-bc	53	85	49	7	8	4	2	4-6	7-8	2500	1	2
18	Malin Head ...	18·5	+14	NW'W	3	bc	51	92	49	8	5	-	-	4-6	4-6	1500	1	3
	Aldergrove ...	18·3	+6	S	2	ir_0	55	85	49	8	5	-	-	9+	9+	4000	1	*
19	Birr Castle ...	18·6	+4	W	1	c	55	92	53	7	8	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	18·9	+2	SSW	3	c-bc	57	75	49	8	2	3	-	7-8	7-8	1500	1	3
	Roches Point	19·5	0	SW	3	c	52	92	50	8	5	-	-	9	9	2500	1	4

PAST 24 HOURS.

District	Weather. 7h.—13h. 15th (39)	13h.—18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.—7h. 16th (42)
1	cz_0bc	bcycy	cyc	cmow
	cz_0cbcy	cbycy	cybc	bcm.
	cy	bccy	eycbcb	b, cm.
	$cfcm_0bcm_0bc$	bcybbcy	bcycyb	bmobcm.
	$cfgbm_0bc$	bccvy	cbccb	bbcfgw
	cbcb	bbcc	cbcc	cbcc
	cbcy	bccvy	c	cmoc
2	cz_0ybc	bcz_0ybcz_0	bcz.	bcmow
	$cbcbcz_0ybcz_0bz_0$	bcm.cm.	bcm.bcm	
	$cbcz_0b$	bcz_0	bccz.	bcz.
	$cbcz_0by$	bybcy	bcycb	bbm.w
	bcz_0by	bz_0y	bybm.	bm.
3	cb	by	b	bwf
	cm_0bcbbc	bybcy	bcb	bm.bcm.
4	bbcb	bybcy		bm.w
5	cbcb	bbcb	by	b
	cbcb	bybcy	bcwbw	bwjffgm.
	bcbc	cc	b	bbcc
	$bcmbm_0b$	bybc	bcbbm.	bbm.bc
	bc	bc	bcb	bbc
	bFFeb	bbc	bcbw	bwbc
6	cbc	bcb	c	bbcwm.
7	bcc	cbcb	bw	bwfgw
	bbcby	bybby	bm.m	bm FFe
8	bm_0wc	bcby	z.bm.m	bff
10	bz_0	b	bcm.	bm.
	c	c	bfg	bbfcb
	cm_0	c	cm.	cm.
11	bccprbcc	cbv	bcc	cir.c
	bcpr$_0$cy	bcycdc	bcbbcc	cbcew
12	ccpr$_0$	cbcc	cbcem.em.w	cm.wbcwbw
	cc_0cm_0	cir_0of	cir.o	orrom
	cd_0d_0	d_0d_0c	c	cprc
13A	c	cir_0	c	cbc
13B	cbccpr$_0$	bc	cpr.bcc	crr.c
15	cpr$_0$	cbcc		cb
	bccpr$_0$bc	bccprcz$_0$	cpr.bcb	bbx
	bcc	cbcy	ccpr.c	cr.r.c
	cpr$_0$cbc	cph$_0$pbrb	bcbr.hbc	bccpr.cdc
16				
17	bc	c	c	c
18	bc	bc	r	bc
	ccid$_0$c	pr$_0$ir$_0$	pr.cir.	cir.c
19	†	pr		f
20	d	bc	bc	bc
	c	bc	bc	f

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 16th April 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 easterly winds; fine; some fog in eastern coastal areas during the night; very warm by day.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Light variable or westerly winds; fine; rather warm.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh westerly winds; scattered showers at first; fair later; rather warm.
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 easterly winds; fair; rather warm.

GENERAL INFERENCE

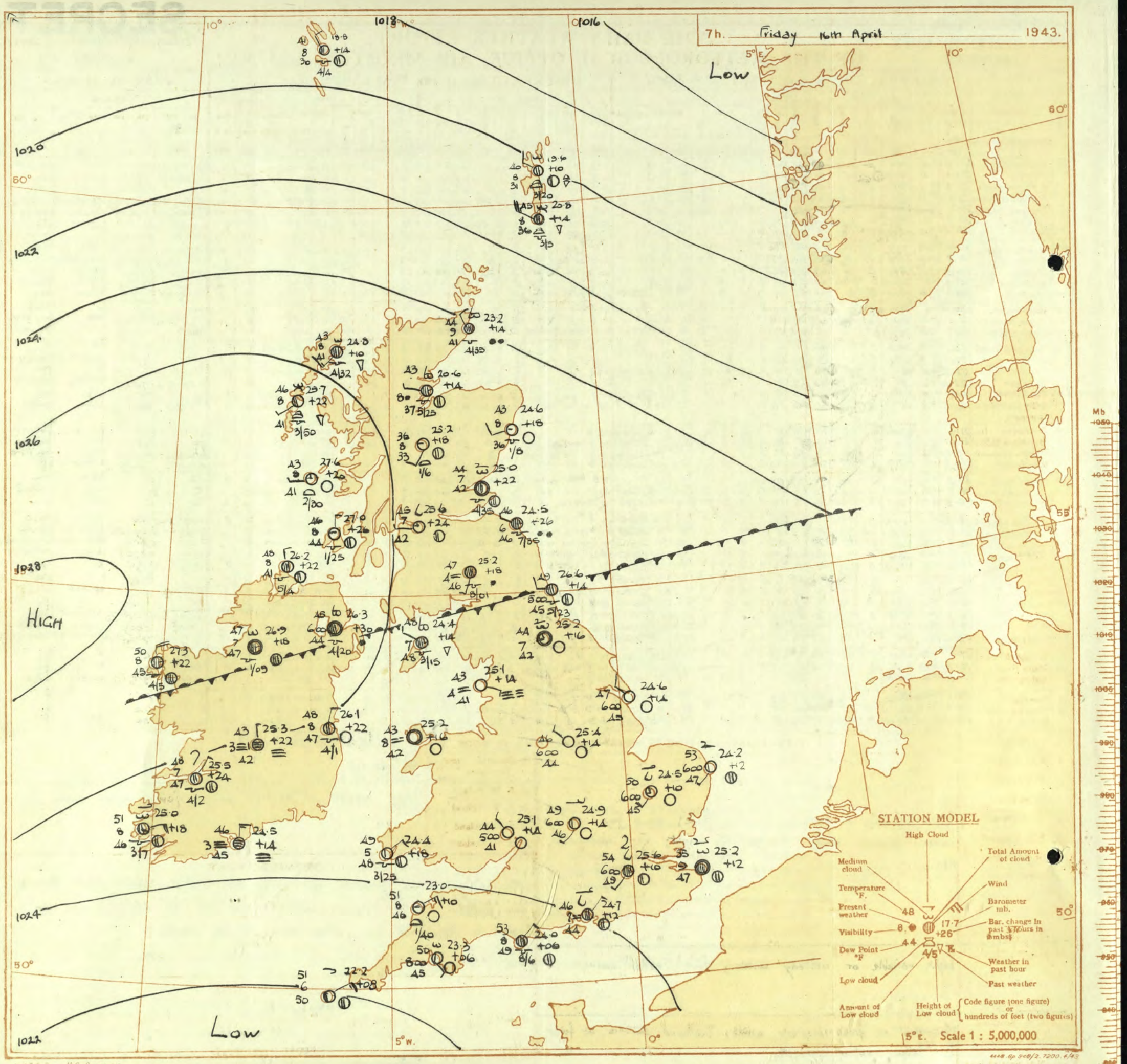
An anticyclone is spreading east across the British Isles. Apart from a few showers in the extreme north weather will be mainly fine; very warm in the South and rather warm in the North.

FURTHER OUTLOOK

Mainly fine.

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 16th April 1943.
Low
HIGH
Low
1020
1022
1024
1026
1028
1018
1016
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in 2mbs
Weather in past hour
Past weather
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
5°E. Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

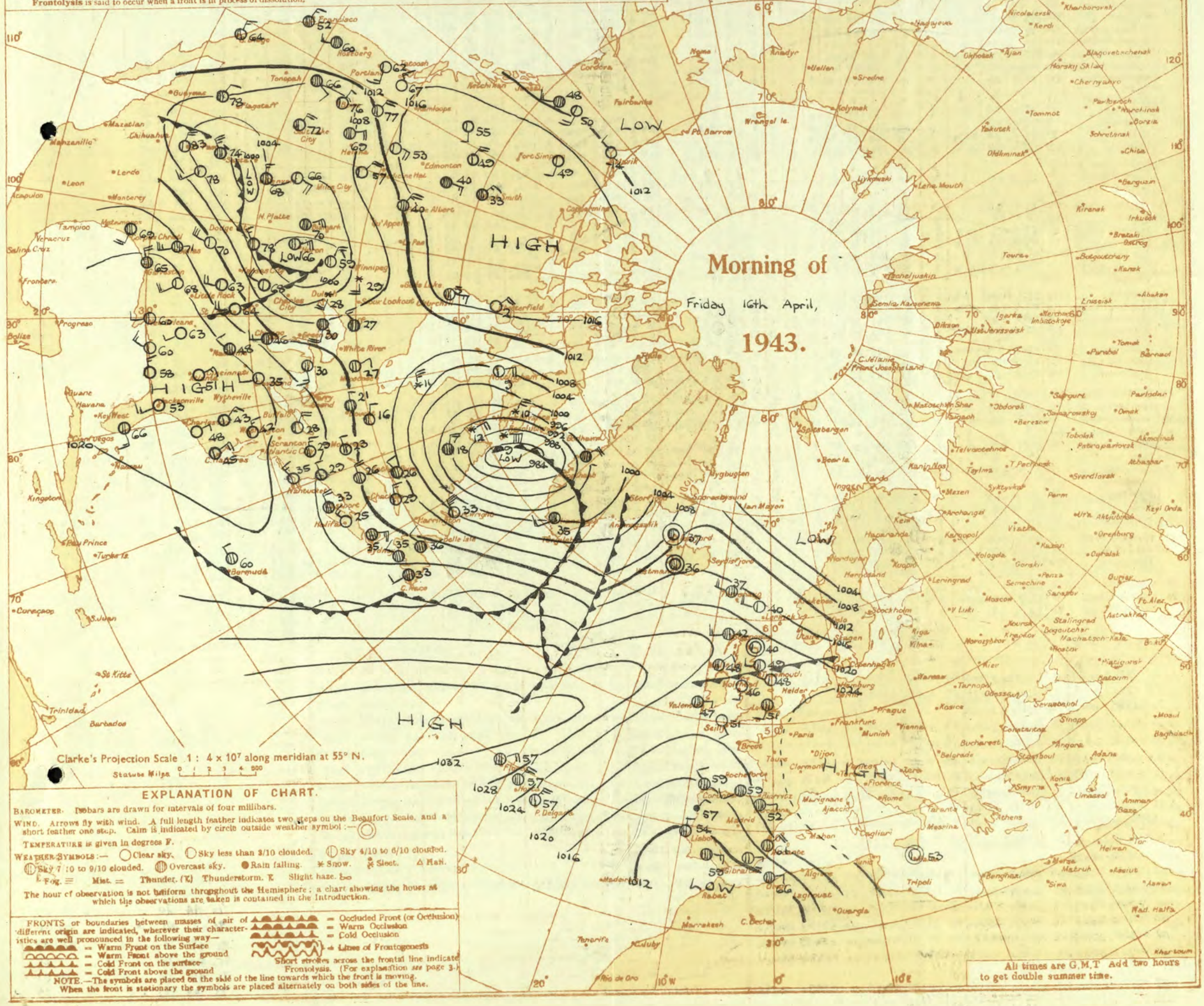
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 16th April 1943

No. 29730

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon	290	23·7	+2	SSW	2	c	51	85	45	7	-	-	6	0	9	-
	S. Farnborough	226	23·7	+6	-	0	b	50	85	44	7	-	7	*	0	Tr	-
	Boscombe Down	417	24·1	+6	-	0	b	47	85	43	7	-	-	-	0	0	-
	Thorney Island	10	23·2	0	ESE	1	b	44	92	42	7	-	-	*	0	0	*
	Lympne	283	24·0	+2	S'E	1	c	48	85	44	7	-	-	7	0	10	-
	Manston	154	23·9	+6	*	0	c	51	85	46	7	-	-	6	0	9	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	23·0	+4	W'S	1	c-bc	53	85	49	6	-	-	2	0	7-8	-
	Gorleston	5	22·7	+6	-	0	z.	52	75	45	5	-	-	8	0	2-3	-
	Mildenhall	15	23·1	+8	SW'S	1	b	48	85	45	7	-	-	1	0	1	-
	Cranwell	203	22·4	+6	NW'W	2	z.	51	85	46	6	-	-	9	0	2-3	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·9	+4	S	1	b	52	85	47	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·8	+6	S	3	b	56	55	42	8	-	-	-	0	0	-
	Bristol	209	23·2	+8	-	0	bjf	47	92	45	6	-	-	-	0	0	-
	Portland Bill	32	23·2	+6	NE	2	b	53	85	49	8	-	-	-	0	0	-
	Plymouth	82	22·7	+2	ESE	1	b	48	85	44	6	-	-	-	0	0	-
	The Lizard	240	21·6	+2	E	3	b	54	85	50	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	21·2	+4	SE'E	2	b	51	92	49	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	23·1	+12	E'N	1	b	49	92	47	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	22·8	+6	S'W	2	b	46	97	45	8	-	-	-	0	0	-
	Chester (Sealand)	16	22·9	+6	-	0	m	41	97	40	4	-	-	-	0	0	-
8	Manchester	235	23·0	+6	NE	2	m	42	97	41	4	-	-	-	0	0	-
10	Spurn Head	29	22·3	+4	WNW	2	z.	48	92	46	6	7	-	-	2-3	2-3	4000
	Catterick (Sc.)	192	22·9	+8	SW	1	fg	40	97	40	7	-	-	-	0	0	-
	Tynemouth	108	23·4	+14	W	2	z.	49	85	43	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	20·9	+14	-	0	c	50	92	48	7	5	-	-	9+	9+	2500
	Leuchars	36	21·9	+14	W	1	c	47	85	43	8	5	-	-	9	9	4000
12	Renfrew (Abbots I.)	19	22·3	+16	-	0	z.	48	85	46	6	5	3	-	4-6	9+	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·1	+18	S	1	c	49	92	47	8	5	-	-	9+	9+	4000
13A	Tiree	44	29·3	0	-	0	c	46	85	40	8	5	-	-	7-8	9+	3000
13B	Stornoway	15	22·2	+12	WSW	3	c	42	97	42	7	5	3	-	2-3	9+	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23·4	+22	-	0	b-bc	40	97	39	8	-	7	-	0	2-3	-
	Wick	114	20·7	+6	WSW	3	c/pr	42	85	36	8	8	-	-	4-6	9+	2500
16	Sumburgh	19	18·1	+16	W	5	b-bc	44	75	37	8	5	-	-	2-3	2-3	3000
17	Blacksod Point	18	23·4	+18	NE	4	c	49	92	47	7	5	-	-	9+	9+	1500
18	Malin Head	84	22·6	+18	NE'N	2	c	48	85	44	8	5	-	-	9+	9+	1500
	Aldergrove	268	22·4	+20	-	0	r.	48	97	47	6	5	2	-	9	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22·7	+12	ENE	2	c-bc	47	97	47	8	5	-	1	4-6	7-8	5700
	Roches Point	22	22·2	+6	N	3	m	47	92	45	4	5	-	-	10	10	450

OBSERVATIONS at 7 hr. G.M.T. 16th April — 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 15th Hrs. (38)
London (Kew)	25·4	+14	-	0	z.	50	92	47	5	-	4	7	0	9+	-	0	*	71	45	30	-	-	8·3
Croydon	25·6	+10	SW	1	z.	54	85	49	6	-	4	6	0	9+	-	0	*	76	45	39	-	-	8·0
S. Farnborough	25·6	+14	-	0	z.	43	92	40	5	-	7	8	0	9	-	0	*	74	40	29	-	-	10·0
Boscombe Down	25·6	+14	-	0	z.	47	92	44	6	-	-	6	0	4-6	-	0	*	71	41	35	-	Tr	9·7
Thorney Island	24·7	+12	NE	1	fg	46	92	44	7	-	4	5	0	7-8	-	0	*	63	40	35	-	-	*
Lympne	25·6	+10	WNW	1	e	53	85	49	8	-	-	6	0	9+	-	0	§1	65	44	36	-	-	7·3
Manston	25·2	+12	-	0	c	55	75	47	9	-	3	7	0	10	-	0	*	74	49	43	-	-	8·2
Shoeburyness	25·2	+14	W	1	m	52	92	50	4	-	3	1	0	4-6	-	0	*	75	44	35	-	-	7·4
Felixstowe	25·1	+12	W	2	m	52	92	50	4	-	7	-	0	7-8	-	0	1	73	48	41	-	-	·8
Gorleston	24·2	+12	WSW	1	z.	53	75	47	6	-	-	8	0	2-3	-	0	1	71	50	41	-	-	·9
Mildenhall	24·5	+10	SW	2	z.	50	85	45	6	-	4	1	0	1	-	0	*	72	41	35	-	Tr	8·3
Cranwell	25·1	+18	NW	2	z.	48	85	45	5	-	-	1	0	Tr	-	0	*	67	45	36	-	-	10·0
Birmingham	25·5	+14	-	0	bf	50	92	48	3	-	-	-	0	0	-	0	*	67	47	32	-	-	9·0
Upper Heyford	24·9	+14	SW	1	z.	49	92	46	6	-	-	2	0	2-3	-	0	*	69	47	37	-	-	*
Ross-on-Wye	25·1	+14	NW	1	z.	44	85	41	5	-	-	-	0	0	-	0	*	68	41	33	-	-	10·9
Hartland Point	23·0	+10	ENE	3	b	51	85	46	8	1	-	-	Tr	Tr	4000	0	2	57	50	47	-	-	10·7
Bristol	25·3	+14	-	0	z.	49	92	47	6	-	-	-	0	0	-	0	*	70	40	31	-	Tr	11·5
Portland Bill	24·0	+6	NE	2	c	53	85	49	8	5	-	-	10	10	4000	1	2	56	49	*	-	-	*
Plymouth	23·3	+6	SE	1	b-bc	50	85	45	8	-	3	-	0	2-3	-	0	1	67	45	34	-	-	11·4
The Lizard	22·2	+8	NE	4	bc	55	75	47	8	7	-	-	4-6	4-6	2500	0	3	63	51	*	-	-	12·2
Scilly (St. Mary's)	22·2	+8	NE'E	3	b-bc	51	97	50	6	-	-	3	0	2-3	*	0	3	61	48	*	Tr	-	6·7
Guernsey																							
Pembroke	24·4	+8	NE	2	b-bc	49	92	48	5	5	-	-	2-3	2-3	2500	0	2	55	45	*	-	-	8·9
Holyhead (Valley)	25·2	+16	-	0	fg	43	97	42	8	-	-	-	0	0	-	0	2	56	39	32	-	-	*
Chester (Sealand)	25·4	+18	ESE	1	bf-	39	92	37	3	-	-	-	0	0	-	0	*	67	37	31	-	-	12·7
Manchester	25·7	+14	-	0	bf+	43	92	41	2	-	-	-	0	0	-	1	*	64	39	29	-	-	*
Spurn Head	24·6	+14	NW'W	2	z.	47	92	45	6	-	-	-	0	0	-	0	2	65	47	*	-	-	11·7
Catterick (Sc.)	25·2	+16	-	0	b	44	92	42	7	-	3	8	0	1	-	0	*	60	40	32	-	-	5·8
Tynemouth	26·6	+14	W	2	z.	49	85	45	5	5	-	-	7-8	7-8	2300	0	2	61	48	44	-	-	*
St. Abbs Head	24·5	+26	WNW	1	c/r	46	97	46	6	5	-	-	9+	9+	3500	1	2	61	45	*	-	Tr	*
Leuchars	25·0	+22	-	0	c-bc	44	92	42	7	5	3	8	4-6	7-8	3500	0	*	62	40	30	Tr	-	8·2
Renfrew (Abbots I.)	25·6	+24	W	1	b	45	92	42	7	-	4	-	0	1	-	1	*	60	39	*	Tr	-	5·2
Eskdalemuir	25·2	+18	SSW	1	m	47	97	46	4	5	-	-	10	10	100	1	*	56	45	43	0·6	3	1·4
Point of Ayre	24·4	+14	WNW	1	c	48	97	48	7	5	7	-	2-3	9+	1500	1	1	59	47	*	Tr	0·1	0·5
Tiree	27·6	+20	W	1	b	43	92	41	8	1	-	-	1	1	3000	0	2	52	40	33	Tr	-	0·4
Stornoway	24·8	+10	SW	3	c-bc	43	97	41	8	5	3	-	4-6	7-8	3200	1	2	53	31	37	Tr	1	2·5
Dalwhinnie	25·2	+18	SSW	2	b	36	92	33	8	1	-	-	Tr	Tr	4000	1	*	53	31	24	1	-	5·2
Aberdeen †	24·6	+18	W'S	2	b	43	75	36	8	5	-	-	Tr	Tr	7200	1	2	53	37		0·5	*	
Wick	23·2	+14	NW	2	c/r	44	85	41	9	5	7	-	4-6	10	3500	1	*	53	39	36	-	0·3	*
Sumburgh	20·8	+14	W'N	5	bc	45	75	36	8	8	6	-	2-7	4-6	2500	1	4	48	41	32	3	0·3	7·5
Blacksod Point	27·3	+22	N	4	c	50	85	45	8	5	-	-	4-6	9	2500	1	3	57	48	*	-	—	
Malin Head	26·2	+22	N	2	c-bc	48	75	41	8	5	-	-	7-8	7-8	1500	1	3	55	46		-	Tr	10·5
Aldergrove	26·3	+30	-	0	z.	45	97	44	6	5	7	-	4-6	7-8	2000	1	*	60	42	38	0·2	2	2·7
Birr Castle	25·3	+22	N	1	f+	43	97	42	3	2	-	-	10	10	<150	1	*	59	39	32	2	0·1	0·2
Valentia Obsy.	25·0	+18	E'N	4	bc	51	85	46	8	5	3	1	2-3	4-6	5700	1	3	59	43	38	Tr	Tr	5·4
Roches Point	24·5	+14	N	3	f	46	97	45	3	-	-	-	10	10	<150	1	3	56	46	*	-	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	25854	56685	83	10754	57615	83	01753	23314	87	02865	24366
115	55	02844	61587	57	02844	61527	57	81844	24387			
203	70	02845	20425	54	01944	20425				80	01954	20184
206	2-	02964	24515	5-	01964	26314	00	01990	24214	57	61855	24116
210	26	01864	24314	4-	02865	27225	04	01990	21101	53	02854	22315
219	86	01963	22413	80	01853	24113	50	01874	20114	86	01873	22184
230	8-	81847	20387	54	02957	0002*	5-	02867	00028	50	01851	00021
245	10	02954	24484	7-	02866	07216	5-	02877	20227	50	01863	23123
260	7-	02856	24426	2-	01755	23315	53	05663	20214	52	05556	24328
278	47	02842	23228	87	10846	10167	5-	05638	14268	54	02846	25348
279	5-	21626	20458	5-	52518	18458	5-	22758	00068			
285	5-	05628	24528							5-	02747	28217
288	53	02845	20325	45	01863	24114	00	05690	20100	04	05690	20115
575	8-	02856	28226	8-	02876	20126	5-	62745	00068	53	02734	00026
301	04	01890	22413	04	01890	28301	00	05690	08110	00	41490	10140
321	00	05690	20210	00	05690	25300	00	05590	26110	00	47190	00040
2.3	14	01752	22303	50	05653	08113	00	00790	00000	00	05690	00000
292	10	01765	22315	50	01853	26213	00	05690	00000	00	05690	25100
310												
614	57	05651	24301	14	05661	22213	00	05590	02103	00	45390	00040

III	13h. G.M.T. 15th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	52	02848	27328	07	01809	18412	00	00790	00000	00	04890	26100
334	--	02664	26216							--	04266	00028
340	10	01363	22313	14	01961	30113	00	45390	00000	00	47090	06110
136	00	05690	20313				04	05690	20111	04	05690	20111
336	10	01763	20313	10	01762	24312				50	05642	28212
350	00	01891	22323	00	01890	22314	00	01790	22111	00	05690	21113
368	00	00890	20112	00	01790	00014	00	00590	00000	00	05590	06200
379	03	01790	20313	00	01090	20314	00	00790	22310	00	01790	32213
390	00	05690	22324	07	02790	24325	00	08490	00014	03	08490	22114
382	04	01890	23322	03	02890	00016	00	00790	00000	00	05690	00015
438	47	01763	22214							57	01763	06114
430	00	01890	18214				00	01790	30114	07	02790	00025
409	00	01890	15301	00	01890	15303	00	05690	09400	04	01890	10401

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th April
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	cz.bc	bcycy	cyccm.w
Croydon	cz.cbcy	cbycy	cybcbcm.
Greenwich	bcyl	bcy	bcbuz.y
Camden Square	bc	b	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ending 7h. Max. 0·3 Time [illegible] 16th. Min. 0·1 Time 16–24h 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	71	45	30	-	-	8·3	*	*
Croydon	76	45	39	-	-	8·0	*	*
Greenwich	75	44	30	-	-	7·5	29	57
Westminster	74	48	41	-	-	*	40	71
Regents Park	73	48	35	-	-		35	58
Camden Square	75	50	38	-	-	*	*	61
Kensington	75	47	38	-	-		71	61
Hampstead	73	49	38	-	-		*	67

SECRET

Page 1

BRITISH SECTION

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

Saturday 17th April 1943.

No. 29731

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

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)	25·4	−6	NNE	1	c	71	35	46	8	2	-	2	Tr	9	2500
	Croydon ...	25·5	−4	NW	1	c	74	35	44	8	1	-	2	4-6		3000
	S. Farnborough	25·2	−6	W	1	bc	75	35	42	8	2	-	4	4-6	4-6	3500
	Boscombe Down	25·0	−6	E'N	2	bc	74	35	43	7	1	-	5	4-6	4-6	4000
	Thorney Island	25·6	+2	SSE	3	b	66	65	52	7	2	-	1	1	1	5700
	Lympne ...	26·8	−2	S	2	b-bc	72	45	50	8	-	1	1	1	2-3	3000
	Manston ...	26·7	+2	NNW	1	c-bc	68	55	51	7	2	-	2	2-3	7-8	4000
2	Shoeburyness ...	25·3	−6	SW	2	z_0	70	58	52	6	-	-	8	0	1	-
	Felixstowe ...	25·2	−2	S	3	b	65	55	50	8	1	-	1	1	1	4000
	Gorleston ...	25·6	+8	N	2	z_0	54	75	45	6	-	-	1	0	Tr	-
	Mildenhall ...	25·3	+2	WNW	2	z_0	71	45	49	6	-	-	1	0	1	-
	Cranwell ...	24·8	−6	SE	1	z_0	72	45	48	6	-	-	-	0	0	-
3	Birmingham ...	25·4	+4	W	2	b	70	35	41	8	-	-	-	0	0	-
	Upper Heyford	24·9	−2	W	1	b-bcjp	73	35	42	8	1	-	1	2-3	2-3	2800
4	Ross-on-Wye	25·1	0	NNE	2	b	71	35	43	8	1	-	-	1	1	3500
5	Hartland Point	24·7	+8	NE	3	b-bc	62	55	45	7	1	-	-	2-3	2-3	3000
	Bristol ...	25·9	0	E	1	b	73	35	47	8	1	3	-	Tr	Tr	4000
	Portland Bill ...	25·8	+6	E	2	c-bc	57	85	53	8	2	4	-	4-6	7-8	4000
	Plymouth ...	24·6	+2	SE'E	3	b	70	45	50	8	1	-	1	Tr	Tr	2500
	The Lizard ...	23·7	+4	NE	5	bc	60	75	52	8	7	-	-	4-6	4-6	3500
	Scilly (St. Mary's)	24·0	+2	ENE	3	bc	65	65	53	7	-	-	2	0	4-6	-
	Guernsey ...															
6	Pembroke ...	25·9	+4	-	0	z_0	64	63	54	6	-	-	-	0	0	-
7	Holyhead (Valley)	27·4	+10	NNW	2	bjf	54	85	49	8	8	6	-	1	1	2500
	Chester (Sealand)	26·1	+4	NNW	3	b	62	55	47	7	-	-	-	0	0	-
8	Manchester ...	25·9	+4	WNW	3	z_0	64	55	48	5	-	-	-	0	0	-
10	Spurn Head ...	26·1	+6	ENE	3	b	55	75	46	7	-	-	-	0	0	-
	Catterick (Sc) ...	25·5	+2	NE	2	c	62	65	49	8	8	6	-	9	9+	3000
	Tynemouth ...	26·7	+6	N	2	bc	50	85	45	7	2	3	-	2-3	4-6	2200
11	St. Abbs Head	26·9	+16	NW	1	b-bc	52	75	45	7	1	4	-	2-3	2-3	3500
	Leuchars ...	25·9	+2	NW	2	b	53	45	35	8	1	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	26·5	+2	NW'N	3	b-bc	57	55	41	9	1	-	-	2-3	2-3	3500
	Eskdalemuir ...	28·6	0	W'S	2	c-bc	57	55	45	8	7	-	-	7-8	7-8	2300
	Point of Ayre ...	27·6	+12	NNW	2	b	56	75	48	8	1	-	-	Tr	Tr	3000
13A	Tiree ...	27·8	+2	W	3	b-bc	52	75	43	9	1	-	-	2-3	2-3	3000
13B	Stornoway ...	25·9	+2	WSW	4	c	51	76	42	8	7	3	2	7-8	9+	3200
15	Dalwhinnie ...	27·0	+4	SW	3	c	51	65	36	8	4	-	-	9	9	4000
	Aberdeen ...	25·9	+2	NW'N	3	c-bc	53	55	37	8	7	-	-	7-8	7-8	7200
	Wick ...	25·0	+8	WNW	4	c	48	55	33	9	8	7	6	4-6	9	3000
16	Sumburgh ...	22·0	+6	W	4	c-bc	46	85	37	8	8	6	2	2-3	7-8	2000
17	Blacksod Point	29·0	−2	NNE	3	b-bc	54	65	43	8	2	-	-	2-3	2-3	2500
18	Malin Head ...	27·8	0	N	2	b-bc	50	75	42	8	1	-	-	2-3	2-3	2500
	Aldergrove ...	27·9	−2	NNW	2	bc	57	65	45	9	7	-	-	4-6	4-6	3000
19	Birr Castle ...	27·5	+2	ENE	2	bc	60	65	48	8	1	-	-	4-6	4-6	2500
20	Valentia Obsy.	27·5	+6	NE	4	b	59	75	51	8	1	-	-	1	1	2500
	Roches Point	26·9	+8	SE	3	b-bc	56	85	52	8	5	-	-	2-3	2-3	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	24·6	−2	NW'N	2	bc	72	35	49	8	4	-	1	4-6	4-6	4000	0	*
	Croydon ...	24·9	−4	NE	1	c	72	45	49	7	4	-	-	9	9	3500	0	*
	S. Farnborough	24·9	+2	N	1	bc	69	35	43	8	4	6	-	4-6	4-6	4000	0	*
	Boscombe Down	25·0	+2	SE	1	b-bc	65	55	47	8	4	-	-	2-3	2-3	4000	0	*
	Thorney Island	25·0	−2	-	0	b	62	65	50	8	-	6	-	0	1	-	0	*
	Lympne ...	25·6	+2	-	0	b-bc	64	55	47	8	-	8	2	0	2-3	-	0	*
	Manston ...	25·3	−6	SSE	1	c-bc	60	65	52	7	-	-	2	0	7-8	-	0	*
2	Shoeburyness ...	24·9	0	S	3	z_0	62	65	52	6	-	-	1	0	2-3	-	0	*
	Felixstowe ...	25·5	+10	NE	4	z_0	55	75	47	6	-	-	1	0	Tr	-	0	2
	Gorleston ...	25·7	0	-	0	z_0	52	75	44	6	-	-	-	0	0	-	0	1
	Mildenhall ...	24·5	−6	NWW	2	b-bc	71	35	41	8	4	4	1	1	2-3	4000	0	*
	Cranwell ...	25·1	+6	E	4	b	56	75	47	7	-	-	-	0	0	-	0	*
3	Birmingham ...	24·4	−4	N	2	b-bc	70	45	48	8	7	-	-	2-3	2-3	4000	0	*
	Upper Heyford	24·7	0	-	0	b	71	45	46	8	4	-	1	1	1	4000	0	*
4	Ross-on-Wye	24·3	0	SE'S	2	b	71	35	44	8	7	-	-	1	1	4500	0	*
5	Hartland Point	24·0	−6	NE	3	b	65	45	42	8	1	-	-	1	1	4000	0	2
	Bristol ...	25·2	−2	N	1	b	70	45	50	8	4	-	-	Tr	Tr	4000	0	*
	Portland Bill ...	24·7	−6	E	1	bc	55	85	51	8	2	-	-	4-6	4-6	4000	1	2
	Plymouth ...	25·2	+2	SW	2	b	56	75	50	7	-	-	2	0	1	-	0	1
	The Lizard ...	24·8	+2	NE	3	b-bc	57	75	48	8	7	-	-	2-3	2-3	3500	0	3
	Scilly (St. Mary's)	24·5	+2	E	2	b	60	65	48	7	-	-	-	0	0	-	0	2
	Guernsey ...																	
6	Pembroke ...	25·5	−2	N	3	b	60	75	50	7	-	-	-	0	0	-	0	2
7	Holyhead (Valley)	27·4	0	NNW	2	b-bcjf	50	92	48	6	5	-	-	2-3	2-3	4000	0	2
	Chester (Sealand)	26·2	−4	NNW	2	z_0	57	75	49	6	-	-	-	0	0	-	0	*
8	Manchester ...	25·6	+2	NNW	3	z_0	61	65	50	6	-	-	-	0	0	-	0	*
10	Spurn Head ...	26·1	+2	ESE	2	z_0	50	85	46	6	5	3	1	2-3	2-3	2500	0	2
	Catterick (Sc) ...	25·2	−4	-	0	z_0	60	75	50	6	2	6	-	4-6	7-8	3000	0	*
	Tynemouth ...	26·5	0	SE	3	b-bc	49	85	45	7	2	-	-	2-3	2-3	2200	0	4
11	St. Abbs Head	24·7	−6	SE	3	bc	49	75	42	7	1	-	-	4-6	4-6	2500	0	2
	Leuchars ...	23·4	−4	WNW	2	bc	60	56	41	8	5	-	3	4-6	4-6	5000	0	*
12	Renfrew (Abbots I.)	25·8	−4	WNW	3	bc	53	55	39	8	1	-	5	1	4-6	3000	0	*
	Eskdalemuir ...	25·5	+4	WNW	3	b	55	55	37	8	7	-	-	1	1	2800	0	*
	Point of Ayre ...	27·4	0	NW	3	b	52	75	46	8	4	-	-	Tr	Tr	3000	0	2
13A	Tiree ...	26·7	−8	W	2	c-bc	49	85	45	9	5	5	6	Tr	7-8	3000	0	2
13B	Stornoway ...	23·0	−18	SW	5	c	48	85	42	9	5	3	8	4-6	10	2800	1	3
15	Dalwhinnie ...	25·5	−6	SW	3	c	51	75	41	8	8	-	2	4-6	9+	2500	0	*
	Aberdeen ...	24·0	−12	S'E	3	bc	50	65	39	8	-	3	6	0	4-6	-	0	2
	Wick ...	22·6	−16	WNW	1	c	47	65	38	9	5	7	-	10	10	3000	0	*
16	Sumburgh ...	19·3	−26	W'SW	5	c/pr	45	85	42	9	2	2	-	7-8	10	2000	0	3
17	Blacksod Point	29·6	+2	NNW	3	c	51	75	44	8	-	-	7	0	9+	-	0	3
18	Malin Head ...	27·6	−2	W'N	3	bc	51	75	44	8	-	5	4	2-3	4-6	-	1	3
	Aldergrove ...	26·8	−6	W	1	bc	55	97	43	8	8	-	-	4-6	4-6	4500	1	*
19	Birr Castle ...	27·2	+2	NW	1	bc	61	65	49	8	4	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	27·4	+6	N	4	c-bc	57	75	49	8	1	-	4	Tr	7-8	2500	1	3
	Roches Point	27·6	+10	SSE	3	b	55	85	51	8	1	-	-	1	1	4000	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 16th. (39)	13h.—18h. 16th. (40)	18h. 16th.—1h. 17th. (41)	1h.—7h. 17th. (42)
1	London (Kew)	cz_0wcy	cbcy	becw	c,bz.w
	Croydon ...	cm_0bcz_0ycy	cy	cy	beybez.
	S. Farnborough	cm_0bcy	bzcbcy	becbc	bcbm.wz.
	Boscombe Down	bm_0bz_0y	bcy	beyb	bz.
	Thorney Island	bcD	bbcbyb	bcm.wbw	bbcbm.w
	Lympne ...	bcy	bcy	beybbc	bcb
	Manston ...	cbcy	cyc	bebbem.	bcbbecm.
2	Shoeburyness ...	bcz_0y	bcz_0ybcz_0	bez.	bcmw
	Felixstowe ...	bcmbcby	bybcybm$_0$	bm.bm.w	bmowm.
	Gorleston ...	bcbz$_0$	bz$_0$z$_0$	bzow	bcz
	Mildenhall ...	bcz_0ybz_0y	bbcy	beybm.	bbcbm.w
	Cranwell ...	bz_0y	bz_0yb	bbm.	b.c,bm.
3	Birmingham ...	fby	by	be	bebm
	Upper Heyford	byz_0bcy	bybcy	bycbem.	bm.cmobem.
4	Ross-on-Wye	by	weyby	bbcb	bwbemo
5	Hartland Point	bbc	bbccby	bebcy	bbc
	Bristol ...	bm_0by	bybcy	bybbm.	bmomw
	Portland Bill ...	c	bc	b	bc
	Plymouth ...	bcbcycy	byb	bbmzm.	bmozo
	The Lizard ...	bc	bcbbc	beb	bbc
	Scilly (St. Mary's)	bc	bcb	bbcbw	bbccw
	Guernsey ...				
6	Pembroke ...	bcbm$_0$	b	bbc	bcw
7	Holyhead (Valley)	bfgyb	bjf	b	bcc
	Chester (Sealand)	bczy	bybbz$_0$	z.bmff	bfFcm.
8	Manchester ...	bffzy	bz$_0$y	bz.wbcm	oFF
10	Spurn Head ...	bz_0	bcm_0	bm.	cm.
	Catterick (Sc) ...	bz_0bcy	bcz_0	bez.	bcvzcz.c
	Tynemouth ...	cm_0cbc	bc	bcm.	bvcm.
11	St. Abbs Head	cm_0bc	bcc	bcc	c
	Leuchars ...	cwbbcb	bbc	bcc⊕	c
12	Renfrew (Abbots I.)	bwbby	bybcy	beycbcc	cem.id.
	Eskdalemuir ...	ommcbcy	bcyby	bye	c
	Point of Ayre ...	FFcb	b	bbcc	cw
13A	Tiree ...	bc	bbcc	c	cid.bcc
13B	Stornoway ...	cpr_0c	c	cir.c	c
15	Dalwhinnie ...	b,cy	c		c
	Aberdeen ...	bbcy	bcycbc	bebbc	cwc
	Wick ...	cbc	czz	c	cerr.r.
16	Sumburgh ...	cpr_0c	$bccpr_0c$	crr.d.p.c	cirm.
17	Blacksod Point	bc	bc	bc	c
18	Malin Head ...	bc	bc	bc	d
	Aldergrove ...	cbc	bcbcycy	bcc	cbcc
19	Birr Castle ...	f	bc	•	c
20	Valentia Obsy.	b	bc	bc	bc
	Roches Point	f	b	b	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 17th April 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 to westerly winds; fine; very warm today, becoming cooler.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland ✝	Moderate westerly winds; fair, becoming cloudy; rather warm today, becoming cooler.
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 to gale in North; cloudy, with rain or showers at times especially in north and west; much hill fog, rather cold.
16 Orkneys and Shetlands ✝	As 12-15.
17 N.W. Ireland 18 N.E. Ireland	Moderate or fresh westerly winds; cloudy; local coastal drizzle; rather cold.
19 S.E. Ireland 20 S.W. Ireland	Light variable to westerly winds; fair; rather warm, becoming colder.

GENERAL INFERENCE

A deep depression between Iceland and Central Norway is moving east and associated troughs are affecting Scotland. Weather will continue fine and warm in the South, but it will be cloudy and rather cold in the North, with rain at times, and strong to gale winds.

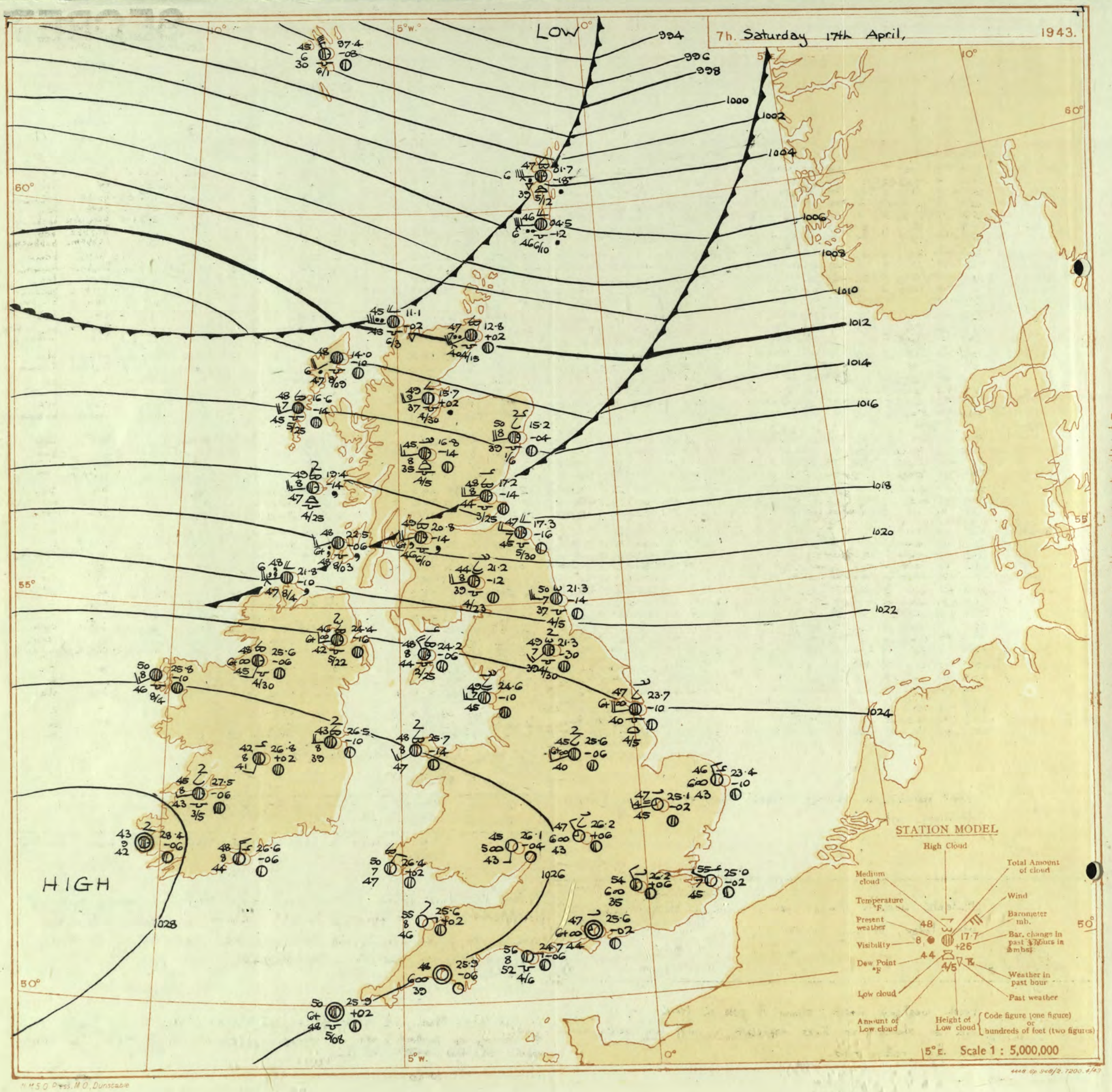
FURTHER OUTLOOK

Unsettled in the North, with periods of rain and showers; fine in the South.

✝ Warning of southerly gale in operation in districts 11, 13B 15 & 16. Times of issue 2000h 16th April, 0550h 17th April.

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.

Saturday 17th April 1943

No. 29731

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

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	26.2	+2	SE	1	bc	58	55	43	7	5	-	-	4-6	4-6	6000
	S. Farnborough	226	25.9	-6	-	0	b-bc	51	85	45	7	5	3	-	2-3	2-3	4000
	Boscombe Down	417	26.3	-2	N'W	2	z.	53	75	44	6	5	-	-	1	1	5700
	Thorney Island	10	25.8	-2	-	0	z.	47	85	43	6	-	4	-	0	Tr	-
	Lympne	283	26.1	0	-	0	bc	55	65	44	7	1	-	-	4-6	4-6	4000
	Manston	154	25.7	-6	S	2	z.	52	85	46	6	5	-	-	2-3	2-3	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	25.8	-6	-	0	z.	49	85	46	6	-	-	-	0	0	-
	Gorleston	5	25.3	-6	S'E	2	z.	49	85	44	6	-	-	-	0	0	-
	Mildenhall	15	25.1	-6	S	2	z.	48	85	44	6	-	-	-	0	0	-
	Cranwell	203	25.4	-6	W'N	3	z.	49	85	46	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25.6	0	NNW	3	z.	51	85	47	6	-	3	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25.7	-2	SE	3	b	57	55	40	8	-	-	-	0	0	-
	Bristol	209	26.7	-2	-	0	z.	55	75	47	5	-	-	-	0	0	-
	Portland Bill	32	25.6	-2	N	1	b	59	75	49	8	-	-	-	0	0	-
	Plymouth	82	26.6	-2	E	1	z.	46	85	41	6	-	-	-	0	0	-
	The Lizard	240	25.9	-2	ENE	3	b	54	65	40	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	26.3	0	NE'E	2	b	50	97	49	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	27.1	+2	N'W	2	b-bc	50	85	43	7	1	-	-	2-3	2-3	3000
7	Holyhead (Valley)	32	27.7	+2	-	0	b-be	39	92	37	7	-	4	5	0	2-3	-
	Chester (Sealand)	16	27.5	0	-	0	bf	40	97	39	3	-	-	1	0	Tr	-
8	Manchester	235	27.1	+2	W'S	2	F+	44	97	43	0	-	-	-	10	10	450
10	Spurn Head	29	25.5	-6	W	2	z.	46	92	45	6	-	-	-	0	0	-
	Catterick (Sc.)	192	25.5	-2	-	0	z.	43	75	37	5	-	4	8	0	4-6	-
	Tynemouth	108	24.9	-4	SSE	2	z.	47	75	38	6	2	3	-	2-3	4-6	2500
11	St. Abbs Head	280	21.8	-20	W	3	c	45	85	39	7	5	-	-	9+	9+	4000
	Leuchars	36	21.0	-18	WSW	4	c	47	85	40	8	-	7	7	0	10	-
12	Renfrew (Abbots I.)	19	23.8	-16	WSW	4	c	47	85	42	7	5	7	-	9+	10	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	26.7	0	W'N	2	c	42	97	41	8	-	4	6	0	9+	=
13A	Tiree	44	23.3	-12	WSW	4	id.	48	85	45	7	5	-	-	10	10	2000
13B	Stornoway	15	17.0	-24	SW	6	c	47	97	47	8	5	7	-	7-8	9+	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18.6	-26	WSW	3	c-bc	46	97	46	8	5	4	-	7-8	7-8	7000
	Wick	114	15.5	-34	SW'W	6	c	47	75	39	8	5	7	-	7-8	9+	3500
16	Sumburgh	19	08.5	-56	WSW	8	c/d	45	97	45	7	5	2	-	9	10	1500
17	Blacksod Point	18	28.4	-10	W	1	bc	47	85	43	8	2	-	4	2-3	4-6	1500
18	Malin Head	84	24.8	-18	W'S	4	c	48	85	44	8	8	-	-	9+	9+	2500
	Aldergrove	268	27.2	-2	W	1	c	43	92	40	8	5	-	7	1	10	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29.2	+2	-	0	b	47	92	45	8	-	3	1	0	1	-
	Roches Point	22	28.8	+2	N'E	3	bc	48	97	47	8	-	-	6	0	4-6	-

OBSERVATIONS at 7 hr. G.M.T. 17th April — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
1	London (Kew)	25.8	+6	–	0	z.	52	75	43	5	-	-	-	0	0	-	0	*	74	49	31	–	-	10.2
	Croydon	26.2	+6	NW	1	z.	54	45	35	6	-	-	1	0	4-6	-	0	*	77	48	48	.	-	11.4
	S. Farnborough	26.2	+2	NE'E	1	z.	48	75	41	6	-	-	1	0	Tr	-	0	*	78	43	29	-	-	8.5
	Boscombe Down	25.9	+2	N'E	2	z.	51	75	42	6	-	-	1	0	Tr	-	0	*	76	44	33	-	-	9.4
	Thorney Island	25.6	-2	-	0	z.	47	85	44	6	-	-	1	0	1	-	0	*	73	42	34	-	-	*
	Lympne	25.6	+2	NW	1	b	53	75	47	8	-	-	9	0	Tr	-	0	§ 1	72	45	34	-	-	9.2
	Manston	25.0	-2	WNW	1	b-bc	55	65	45	7	-	-	5	0	2-3	-	1	*	71	49	44	-	-	9.2
2	Shoeburyness	25.2	+2	NW	1	m	52	85	48	4	-	-	1	0	Tr	-	0	*	73	47	36	-	-	7.6
	Felixstowe	24.8	+2	WNW	1	m	49	92	47	4	-	-	-	0	0	-	0	1	74	43	37	.	-	10.[illegible]
	Gorleston	23.4	-10	NW	2	z.	46	92	43	6	-	-	8	0	2-3	-	0	2	66	45	41	-	-	12.0
	Mildenhall	25.1	-2	W'S	2	m	47	92	45	4	-	-	1	0	1	-	0	*	75	43	36	-	Tr	11.9
	Cranwell	24.2	-8	W'N	4	z.	47	85	43	6	-	7	1	0	2-3	-	0	*	74	43	35	-	-	4.8
3	Birmingham	26.1	-2	WNW	1	m	48	85	44	4	-	-	1	0	2-3	-	0	*	73	40	32	-	-	6.4
	Upper Heyford	26.2	+6	NW	1	z.	47	85	43	6	-	4	1	0	1	-	0	*	74	45	37	-	-	*
4	Ross-on-Wye	26.1	-4	S'W	1	z.	45	92	43	5	-	-	1	0	2-3	-	0	*	74	42	34	-	-	11.9
5	Hartland Point	25.6	+2	E	1	b-bc	55	75	46	8	-	-	4	0	2-3	-	0	2	69	52	51	-	-	11.6
	Bristol	26.9	+6	-	0	m	49	92	46	4	-	-	-	0	0	-	0	*	75	46	35	-	Tr	11.6
	Portland Bill	24.7	-6	E	1	be	46	85	52	8	5	-	-	4-6	4-6	4000	1	2	60	42	*	-	-	*
	Plymouth	25.9	-6	-	0	z.	48	75	39	6	-	-	-	0	0	-	0	1	72	41	28	-	-	11.4
	The Lizard	25.0	-4	NNE	2	b-bc	57	55	40	8	7	-	-	2-3	2-3	2500	0	3	60	52	*	-	-	11.8
	Scilly (St. Mary's)	25.9	+2	-	0	c-bc	50	92	48	6	5	-	-	7-8	7-8	800	0		65	48	*	-	0.5	12.3
	Guernsey																							
6	Pembroke	26.4	+2	NNE	2	bc	50	85	47	7	-	7	-	0	4-6	-	0	2	68	46	*	-	-	11.6
7	Holyhead (Valley)	25.7	-14	SW	3	c-bc	48	92	47	8	-	7	6	0	7-8	-	0	1	54	37	32	-	-	*
	Chester (Sealand)	25.3	-6	E	1	c-bc/f	41	92	39	5	-	-	2	0	7-8	-	0	*	67	35	30	-	-	11.8
8	Manchester	25.4	-10	S	2	F+	42	97	42	0	-	-	-	10	10	450	0	*	65	42	33	-	-	*
10	Spurn Head	23.7	-10	WSW	4	z.	47	75	40	6	7	4	2	4-6	7-8	2500	0	3	58	44	*	-	-	9.5
	Catterick (Sc.)	21.3	-30	SW	3	c	49	75	39	7	5	3	6	4-6	9	3000	0	*	66	39	32	-	-	8.9
	Tynemouth	21.3	-14	W	5	c-bc	50	65	37	7	5	3	-	4-6	7-8	2500	0	2	53	46	40	-		*
11	St. Abbs Head	17.3	-16	W	4	c	47	92	45	7	5	2	-	7-8	9+	3000	0	4	53	44	*	-	-	*
	Leuchars	17.2	-14	W	4	c	48	85	44	8	5	7	8	2-3	9	2500	0	*	62	45	41	-	-	12.0
12	Renfrew (Abbots I.)	20.8	-14	W'S	4	id.	49	85	46	6	5	7	-	9	9+	1000	0	*	58	45	34	-	Tr	12.1
	Eskdalemuir	21.2	-12	W'S	4	c	44	85	39	8	5	9	2	4-6	9	3200	0	*	60	39	31	-	-	8.2
	Point of Ayre	24.2	-6	NW'W	4	c	48	85	44	8	5	7	8	1	9+	2500	0	3	58	40	*	-	-	7.3
13A	Tiree	19.4	-14	WSW	5	e	49	92	47	8	8	7	6	4-6	9	2500	0	4	54	47	43	-	Tr	11.8
13B	Stornoway	14.0	-10	SW	4	ir.	48	97	47	6	5	-	-	10	10	900	1	3	52	46	45	Tr	Tr	3.1
15	Dalwhinnie	16.8	-14	WSW	3	c	45	65	35	8	8	-	2	4-6	9	2500	0	*	53	42	39	-	-	10.5
	Aberdeen †	15.2	-4	WSW	4	c	50	65	39	8	5	4	7	Tr	9+	4000	1	2	56	45	40	-	-	8.2
	Wick	12.8	+2	SW	5	r0r0	47	75	40	7	5	7	-	4-6	10	1500	1	*	50	45	39	-	Tr	*
16	Sumburgh	04.5	-12	W	8	r0r0	46	97	46	6	5	2	-	9	10	1000	1	4	48	44	41	Tr	1	4.6
17	Blacksod Point	25.8	-10	SW	3	c	50	85	46	8	5	-	-	10	10	1500	0	3	55	45	*	-	-	*
18	Malin Head	21.8	-10	W'S	5	dd	48	97	47	6	-	2	-	10	10	1500	1	4	52	46		-	Tr	9.4
	Aldergrove	24.4	-16	WSW	2	z.	46	85	42	6	5	7	9	7-8	9+	2200	1	*	59	40	36	/	-	7.5
19	Birr Castle	26.8	+2	SSW	2	c-bc	42	97	41	8	-	-	5	0	7-8	-	1	*	63	37	30	-	-	4.9
20	Valentia Obsy.	28.4	-6	-	0	c	43	97	42	9	-	-	6	0	9	-	1	1	62	42	40	-	-	11.6
	Roches Point	26.6	-6	N	3	be	48	85	44	8	-	-	5	0	4-6	-	1	3	57	48	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th April $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 17th April $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109				82	02845	22415	52	22746	55868	62	64646	56768
115				52	02844	24427	52	62745	87688	52	62736	91688
203	70	01954	20424	5·	02847	20427				5-	03848	20528
206	5·	02965	26325	57	02964	24427	57	61855	55627	51	02964	22468
210	23	02865	27325	54	02874	26317	57	02864	21326	57	02863	22528
219	20	01963	22214	57	02954	20318	8-	21867	21557	57	02755	21428
230	40	02855	21225	4·	02862	20327	57	02854	55427	5-	02844	20355
245	70	01864	16414	74	01863	12303	54	02863	21468	59	02952	25517
260	10	01853	24213	00	00898	27310	5-	05663	20418	5-	02757	24427
278	20	01851	30301	07	01790	26403	57	02851	22217	57	02834	23327
279	20	01753	22123	46	01861	24212	53	02762	22318	53	02863	22426
285	20	01854	06314							53	01854	30515
288	03	08490	02417	50	08466	02326	04	05590	21116	07	02890	22115
575	5-	01864	00024	10	01861	00001	07	02790	28126	57	05664	18226
301	00	00790	30400	00	05690	26300	00	05690	24114	09	01790	23325
321	00	05690	02140	00	05690	10110	00	08490	26213	04	08490	14214
2[illegible]3	20	01653	32213	20	05661	32311	40	05662	12102	84	02754	18315
292	10	01862	00002	20	05664	16114	00	05690	24215	53	05665	21227
310	-?	01642	26312							--	01643	24313
614	10	05667	20202	40	05662	30202	00	08490	28100	04	08490	20125

III	13h. G.M.T. 16th April $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 17th April $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	50	01851	28201	00	00890	28300	00	04790	20101	--	46109	24149
334	--	01880	16102									
340	·			00	05690	30300	00	08490	30100			
136	00	05690	30201	04	02790	08301	00	05690	17100	03	05590	26213
336				13	01762	28313				53	01752	28213
350	10	01753	00003	40	01764	30114	50	05672	26112	00	05590	00013
368	13	02661	10204	00	00620	00000	00	05690	00010	00	08490	08101
379	10	01854	00004	10	01861	00011	00	05690	00020	00	05590	01313
390	10	01761	28212	40	05661	30113	03	05590	00011			
382	10	01852	00012	40	01761	32112	03	05690	00013	03	05590	00013
438	08	01790	20214	03	01790	22213	00	00790	16100	00	00790	26210
430	10	01863	14214	40	01862	31112	00	00790	00010	00	00790	00011
409	13	01761	15413	07	01790	05113	00	00790	00000	00	01890	05202

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 17th April
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	czowcy	cbcy	bcczow	Kew 24 hours ended 7h.
Croydon	cm.bczoy	cy	cybcz.	Max. 0.3 Time 7-9 15th
Greenwich	bcczy	bcczy	cbcbz.	Min. <0.1 Time 4-19h 16th
Camden Square	c	c	*	
Kensington	bc	bc	*	
Hampstead	bc	bc	b	

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	74	49	31	-	-	10.2	*	*
Croydon	77	48	48	-	-	11.4	*	*
Greenwich	75	50	36	-	-	8.2	34	61
Westminster	77	51	43	-	-		39	59
Regents Park	75	51	38	-	-		32	58
Camden Square	78	53	40	-	-	*	*	*
Kensington	77	51	42	-	-		37	63
Hampstead	75	51	40	-	-		*	42

SECRET

Page 1 BRITISH SECTION

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

Sunday 18th April 1943. No. 29732

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

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)	23·3	-20	W	3	bc	71	35	38	8	1	–	4	Tr	4-6	-
	Croydon	23·8	-18	W'S	3	b-bc	73	35	44	7	1	–	1	Tr	2-3	3000
	S. Farnborough	23·3	-20	WSW	4	b	75	25	35	8	1	–	2	Tr	1	4000
	Boscombe Down	23·4	-18	WSW	3	b-bc	74	25	47	8	-	-	2	0	2-3	-
	Thorney Island	24·2	-6	S'W	3	z_0	64	65	51	6	-	-	2	0	1	-
	Lympne	23·6	-14	S	2	b-bc	72	45	47	8	1	-	2	Tr	2-3	6000
	Manston	23·0	-20	SE	1	z_0	70	55	52	5	1	-	-	Tr	Tr	5700
2	Shoeburyness	23·0	-20	W	3	z_0	74	35	41	5	-	-	-	0	0	-
	Felixstowe	22·3	-22	S	3	z_0	72	45	48	6	1	-	-	Tr	Tr	4000
	Gorleston	21·6	-14	W	4	b-bc	71	35	44	7	-	-	1	0	2-3	-
	Mildenhall	21·8	-18	W'S	4	b-bc	72	35	43	8	-	-	1	0	2-3	-
	Cranwell	21·5	-16	W'N	5	c	66	45	45	7	-	3	6	0	9	-
3	Birmingham	22·6	-16	WSW	3	b-bc	67	45	45	8	-	-	9	0	2-3	-
	Upper Heyford	22·4	-24	W	3	bc	71	45	46	7	4	-	6	2-3	4-6	3500
4	Ross-on-Wye	22·6	-20	SW'W	3	b	70	25	36	7	1	-	1	Tr	1	4000
5	Hartland Point	24·7	-2	NE	2	bc	56	75	47	7	-	-	6	0	4-6	-
	Bristol	24·0	-14	W	2	b-bc	72	35	43	8	-	-	2	0	2-3	-
	Portland Bill	23·9	-10	S	1	b-bc	62	92	61	8	1	-	-	2-3	2-3	4000
	Plymouth	25·4	-2	SSW	3	b-bc	64	45	40	8	-	-	2	0	2-3	-
	The Lizard	24·6	-4	SSE	2	b	69	45	44	8	-	-	-	0	0	-
	Scilly (St. Mary's)	25·5	-2	N'E	2	bc	59	85	53	7	5	-	-	Tr	4-6	1200
	Guernsey															
6	Pembroke	25·7	+2	W'N	2	bc	57	97	57	7	5	7	-	2-3	4-6	500
7	Holyhead (Valley)	24·3	-18	SW	3	c	54	65	43	5	1	4	8	Tr	9	3000
	Chester (Sealand)	22·0	-26	NW'W	2	c	65	45	43	8	1	4	2	1	9	3000
8	Manchester	22·4	-18	W'S	4	c	60	75	54	8	-	4	6	0	9	-
10	Spurn Head	20·6	-18	W'S	4	z_0	59	55	42	6	7	3	-	4-6	9+	2500
	Catterick (Sc)	20·4	-6	SW	3	c	52	65	41	8	5	7	7	2-3	10	3000
	Tynemouth	18·9	-12	W	4	z_0	51	75	42	6	8	-	-	9+	9+	2400
11	St. Abbs Head	13·4	-20	W	5	c	54	85	48	7	5	4	-	7-8	9+	3000
	Leuchars	13·8	-22	WSW	6	c	57	65	46	8	5	7	6	2-3	9	3000
12	Renfrew (Abbots I.)	15·6	-36	WSW	6	c	55	85	49	8	5	7	-	2-3	9+	1000
	Eskdalemuir	18·8	-24	WSW	4	c	52	65	41	8	5	-	-	7-8	10	2200
	Point of Ayre	21·1	-18	W'N	5	c	55	75	46	8	4	7	7	1	10	2500
13A	Tiree	15·3	-32	WSW	5	c	50	97	50	7	5	2	-	7-8	10	1800
13B	Stornoway	08·8	-30	SW	7	ir_0	48	92	47	7	5	2	-	9	10	1800
15	Dalwhinnie	12·0	-24	W	4	c	55	45	31	8	5	4	6	4-6	9+	2600
	Aberdeen	09·8	-26	W'S	3	c	58	45	38	8	5	4	7	2-3	10	2500
	Wick	06·7	-30	WSW	7	c	49	92	49	9	5	7	-	7-8	10	1000
16	Sumburgh	01·0	-14	W	8	ir	45	97	44	6	5	2	-	9+	10	1200
17	Blacksod Point	23·1	-18	SW	4	d_0d_0	52	92	50	7	6	2	-	4-6	10	1500
18	Malin Head	18·4	-20	W'N	6	c	51	92	49	8	8	-	-	10	10	1500
	Aldergrove	21·1	-18	SW'W	4	c	53	75	46	7	5	2	-	9	10	1300
19	Birr Castle	25·0	-10	SSW	2	c	58	55	43	8	5	-	-	10	10	2500
20	Valentia Obsy.	27·3	-10	NWW	3	c-bc	54	75	46	9	1	-	-	Tr	7-8	2500
	Roches Point	25·9	-6	SSW	3	bc	57	85	52	8	1	-	5	2-3	4-6	4000

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

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)	20·1	-10	N'W	3	c-bc	69	25	32	8	-	7	4	0	7-8	-	0	*
Croydon	21·0	-10	W'S	3	c	70	45	44	8	-	4	6	0	9	-	0	*
S. Farnborough	20·3	-10	W'S	4	c-bc	71	25	33	8	-	7	2	0	7-8	-	0	*
Boscombe Down	21·2	-8	WNW	3	c	66	35	38	8	-	-	8	0	9	-	0	*
Thorney Island	21·0	-10	WSW	4	c-bc	68	45	44	8	-	-	2	0	7-8	-	0	*
Lympne	20·7	-12	WSW	3	c-bc	67	35	37	8	-	-	6	0	7-8	-	0	2
Manston	20·1	-10	WSW	3	c	68	35	40	7	1	-	6	Tr	9+	3000	0	*
Shoeburyness	19·9	-6	WSW	3	c-bc	67	45	44	8	-	-	6	0	7-8	-	0	*
Felixstowe	20·2	-2	SW	4	z_0	68	45	46	6	-	-	6	0	7-8	-	0	2
Gorleston	18·2	-8	WNW	3	c	68	45	43	7	-	7	-	0	9+	-	0	2
Mildenhall	18·3	-14	W'N	5	c	69	35	43	8	-	7	8	0	10	-	0	*
Cranwell	18·2	-8	WNW	4	c	61	55	46	7	1	7	2	10	10	2500	0	*
Birmingham	19·4	-8	W	3	c	62	45	41	8	-	7	-	0	9+	-	0	*
Upper Heyford	19·9	-6	NW'W	3	c	66	45	35	7	-	3	2	0	9+	-	0	*
Ross-on-Wye	20·4	-8	W'N	3	c	64	55	46	8	-	-	8	0	9+	-	0	*
Hartland Point	23·2	-2	W	2	c-bc	55	85	49	8	-	-	6	0	7-8	-	0	2
Bristol	21·7	-10	W'S	3	c-bc	63	55	48	7	-	7	2	0	7-8	-	0	*
Portland Bill	21·4	-8	SW	1	c-bc	57	85	53	8	2	4	-	4-6	7-8	4000	1	2
Plymouth	23·0	-10	NW'N	2	c-bc	63	45	42	8	-	-	6	0	7-8	-	0	1
The Lizard	22·7	-12	NW'W	3	b-bc	64	65	53	8	7	-	-	2-3	2-3	3500	0	2
Scilly (St. Mary's)	23·7	-10	N'E	3	b-bc	55	85	51	8	-	-	2	0	2-3	-	0	3
Guernsey																	
Pembroke	22·8	-6	W'S	3	bc	52	92	50	8	5	4	-	2-3	4-6	2500	0	2
Holyhead (Valley)	21·0	-14	SSW	3	c	52	92	50	8	1	4	2	Tr	9+	3000	0	2
Chester (Sealand)	19·4	-18	W	2	c	61	45	40	8	-	4	2	0	9+	-	0	*
Manchester	19·5	-16	W	4	z_0	56	65	41	6	-	4	7	0	10	-	0	*
Spurn Head	17·6	-8	W'N	5	z_0	55	65	42	6	7	2	-	4-6	9+	2500	0	4
Catterick (Sc)	15·7	-28	WSW	2	c	52	75	44	8	5	7	-	Tr	9+	3000	0	*
Tynemouth	14·3	-14	W	6	c-bcq	56	65	44	6	8	-	-	7-8	7-8	2400	0	4
St. Abbs Head	09·7	-2	WSW	6	c	54	92	51	7	5	2	-	7-8	9+	2500	0	5
Leuchars	08·5	-22	WSW	7	c/r	54	92	53	8	5	7	-	7-8	9+	2500	0	*
Renfrew (Abbots I.)	13·5	-16	SW	4	d_0d_0	51	97	50	6	5	-	-	7-8	10	800	1	*
Eskdalemuir	14·2	-14	SW'W	5	c	52	75	46	8	5	-	-	10	10	1800	0	*
Point of Ayre	17·7	-8	W	5	c	56	75	48	8	5	4	5	2-3	9+	4500	0	4
Tiree	13·5	-2	WSW	5	dd	50	97	50	4	5	-	-	10	10	200	0	4
Stornoway	08·7	+14	WNW	6	c	49	92	47	8	5	2	-	7-8	10	2200	1	4
Dalwhinnie	08·5	-10	W	4	ir_0	49	85	45	6	5	5	-	9	10	1500	1	*
Aberdeen	06·3	-14	WNW	5	c	59	55	42	9	5	7	-	2-3	10	2500	0	3
Wick	05·0	-4	WNW	6	c	49	92	47	7	5	7	-	4-6	9+	1500	0	*
Sumburgh	00·0	+6	WNW	5	ir_0	43	97	43	7	5	2	-	7-8	10	2000	1	4
Blacksod Point	20·7	-16	WSW	5	d_0d_0	52	97	51	6	-	2	-	10	10	1500	1	4
Malin Head	16·3	-10	W	6	d_0d_0	51	92	49	6	-	2	-	10	10	1500	1	4
Aldergrove	18·5	-6	W'S	4	c	53	85	49	8	5	-	-	10	10	1200	1	*
Birr Castle	22·1	-12	SW	3	c	54	85	49	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	24·6	-14	W	2	c	52	85	47	8	5	-	-	9+	9+	2500	1	2
Roches Point	22·5	-16	NW	4	bc	62	65	51	8	5	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 17th (39)	13h.—18h. 17th (40)	18h. 17th to 1h. 18th (41)	1h.—7h. 18th (42)
London (Kew)	bz_0wbcy	bccy	c	bcw
Croydon	bcz_0by	bcycy	cy	cyc
S. Farnborough	$bbcz_0yby$	bcy	cbcyc	cbcb
Boscombe Down	by	bybcycy	cycbc	$bcbbcm_0w$
Thorney Island	bm_0bz_0y	bcycy	bcycbw	bcbw
Lympne	bybcy	bcy	cyc	c
Manston	$bcbz_0y$	cy	cy	cz_0
Shoeburyness	bz_0bz_0y	bcz_0yby	bcz_0	bcz_0w
Felixstowe	bm_0bybm_0y	$bccz_0y$	cz_0	bcm_0bcz_0
Gorleston	bcz_0	cy	bccy	bc
Mildenhall	by	bycy	c	$cbcz_0$
Cranwell	bm_0cy	cy	$cycz_0c$	cbc
Birmingham	by	bc	bcc	c
Upper Heyford	bcm_0bz_0y	$bccz_0cy$	cyc	bcm_0
Ross-on-Wye	by	bycy	cyc	cbcc
Hartland Point	bccy	bcc	cbc	bccw
Bristol	$bbcbm_0$	bccy	bcm_0bc	$bccm_0$
Portland Bill	bcbc	bc	bc	bc
Plymouth	bcz_0bcy	bcy	bccyc	$bcwm_0$
The Lizard	bcbzy	bbc	bcw	bc
Scilly (St. Mary's)	cbc	bcb	bccbcw	bcc
Pembroke	bc	bc	cbcw	bcw
Holyhead (Valley)	$cbcm_0c$	c	c	cd_0d_0c
Chester (Sealand)	cm_0bcy	cy	cz_0y	c
Manchester	$bFFcz_0$	$cycz_0$	cz_0m_0	cm_0id_0
Spurn Head	cm_0	cm_0	cm_0	bcm_0
Catterick (Sc)	c	cvc	c	c
Tynemouth	cm_0	cm_0q	cm_0bcq	bcq
St. Abbs Head	c	c	cbc	cbcc
Leuchars	c	cir_0c	cbc	bcc
Renfrew (Abbots I.)	$cm_0id_0cd_0d_0$	$ccm_0d_0d_0$	$cm_0d_0d_0cm_0$	$cm_0dr_0d_0d_0$
Eskdalemuir	c	cz_0c	cir_0d_0	cod_0m_0
Point of Ayre	c	cbcc	cbcc	cbcc
Tiree	c	ccdm	$cd_0d_0m_0DDF$	$pidm_0$
Stornoway	$cr_0r_0m_0$	cir_0m_0c	cir_0	cr_0r_0
Dalwhinnie	cy	cir_0	c	pir_0c
Aberdeen	c	cqy	c	bc
Wick	c	cid_0c	c	cir_0c
Sumburgh	cm_0ir_0ir	rrm_0ir_0	ir_0prbcc	$cm_0id_0r_0r_0$
Blacksod Point	d	d	r	d
Malin Head	c	d	d	pr
Aldergrove	c	c	c	$cid_0d_0m_0$
Birr Castle	c	c	•	d
Valentia Obsy.	bc	bc	d	d
Roches Point	bc	bc	bc	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light or moderate westerly winds, freshening temporarily, veering somewhat later; fine today, with local cloudiness; very warm in East and warm in West; cloudy and colder tomorrow, with local rain in western districts during the night.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland ↓	Fresh or strong westerly winds, veering a little; cloudy; some rain later today, mostly in the West; scattered showers later in West, but fair in East; rather warm, becoming rather cold.
12 S.W. Scotland & Isle of Man ↓; 13A W. Scotland ↓; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Strong to gale westerly winds, veering a little and moderating slowly later; cloudy, with much hill fog and rain spreading east across area; showers later, but fine tonight in East Scotland; 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	Moderate or fresh westerly winds, veering a little; cloudy: local rain followed by scattered showers; rather warm becoming rather cold.

GENERAL INFERENCE

A vigorous deepening depression west of the Faeroes is moving east-northeast and an associated trough will move southeast across the British Isles. Weather will be fine and very warm in the Southeast becoming cloudy and colder; weather will be rather cold in the North with rain at times, followed by showers; westerly gales will be rather widespread in the North.

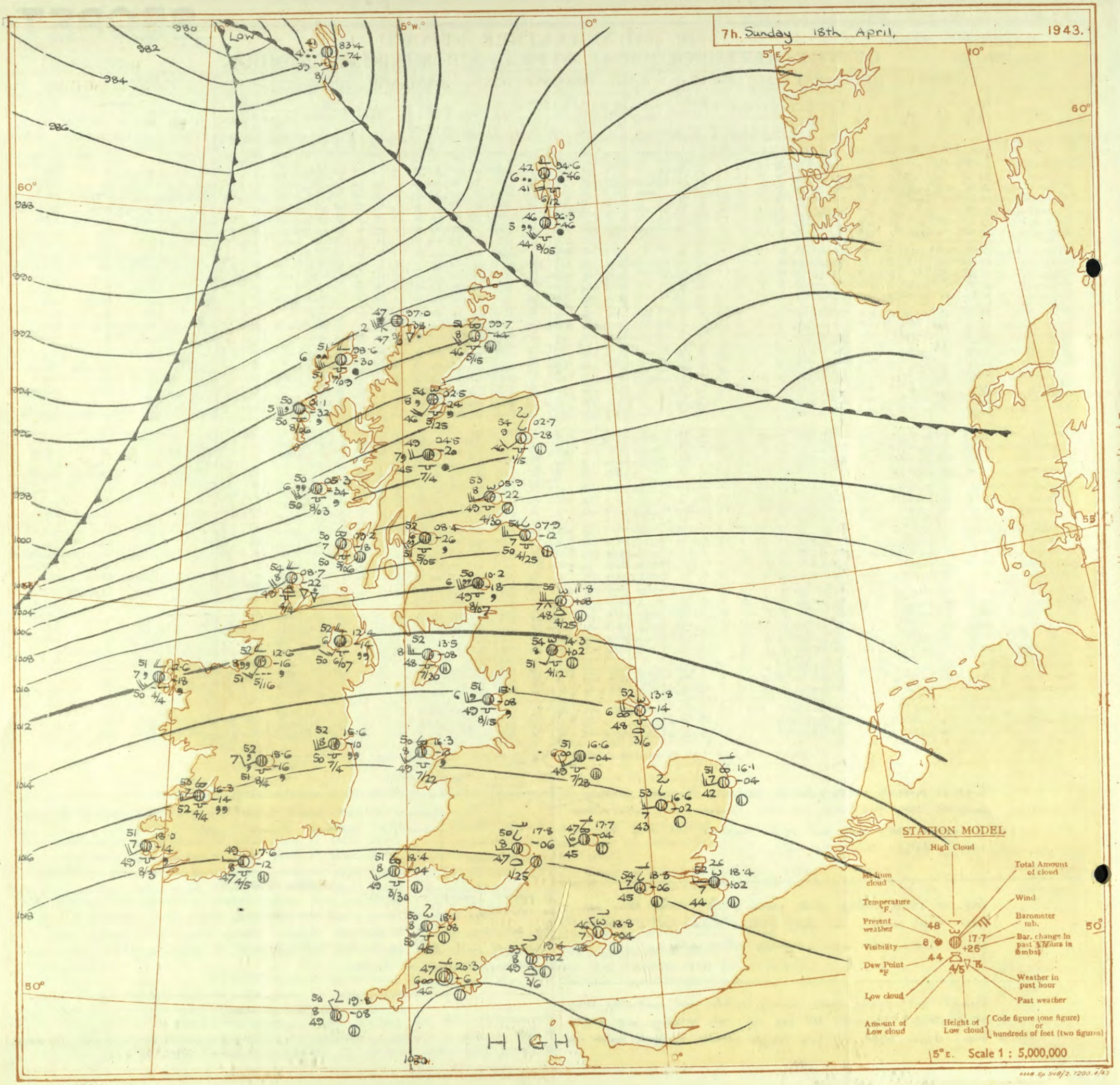
FURTHER OUTLOOK

Northwesterly winds and scattered showers; colder than of late.

↓ Gale warning in operation in districts 13B, 15 (part of), 16, issued 2000h 16·4·43. In districts 12, 13A & 18 issued 1410h 17·4·43. In districts 11 & 15 (part of) 0830h 18·4·43.

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

4448. Gp. 548/2. 7200. 4/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 18th April 1943

No. 29732

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

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	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20·7	-2	W	2	c	56	55	40	7	-	-	6	0	9	-
	S. Farnborough	226	19·5	-10	NW'N	2	c	53	75	43	8	-	-	7	0	9+	-
	Boscombe Down	417	20·8	-6	WNW	2	c-bc	47	92	45	7	-	7	8	0	7-8	-
	Thorney Island	10	20·3	-2	W	2	c	50	85	46	7	-	-	6	0	9+	-
	Lympne ...	283	19·7	-6	WNW	2	c	52	65	39	8	-	7	-	0	9	-
	Manston ...	154	19·4	-6	W'S	1	c	56	55	41	7	-	7	7	0	10	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·0	-10	SW	4	z.	55	65	44	6	-	3	8	0	9+	-
	Gorleston ...	5	17·0	-6	WNW	3	c-bc	56	55	40	7	-	7	-	0	7-8	-
	Mildenhall ...	15	17·7	-10	SW'W	3	c	52	65	40	7	5	3	8	2-3	9	5500
	Cranwell ...	203	16·9	-10	WSW	5	c	52	75	45	7	5	7	-	Tr	10	5000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·4	-6	W'S	2	c	51	75	42	8	-	7	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·6	-12	SW	2	bc	51	92	49	8	-	-	8	0	4-6	-
	Bristol ...	209	21·1	-6	WSW	3	z.	50	92	47	6	-	-	2	0	4-6	-
	Portland Bill ...	32	20·8	-4	SW	1	bc	54	85	50	8	1	-	-	4-6	4-6	4000
	Plymouth ...	82	22·3	-6	NNW	1	c-bc	50	85	46	7	-	-	6	0	7-8	-
	The Lizard ...	240	22·4	-4	NNE	2	b-bc	51	85	47	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	22·2	-10	N	2	b-bc	50	97	49	7	-	-	2	0	2-3	-
	Guernsey ...	175															
6	Pembroke ...	142	20·7	-12	W'N	1	c-bc	51	92	49	8	-	7	5	0	7-8	-
7	Holyhead (Valley)	32	18·9	-10	SW	3	c	51	92	48	8	5	-	-	10	10	1800
	Chester (Sealand)	16	18·4	-2	W'N	1	c	54	75	48	8	5	7	-	Tr	10	1500
8	Manchester ...	235	18·3	-6	WSW	3	z.	53	85	47	6	5	7	-	7-8	10	1200
10	Spurn Head ...	29	16·1	-4	W'S	5	z.	53	75	45	6	5	1	-	4-6	10	2500
	Catterick (Sc.) ...	192	15·1	-4	W	5	c-bc	54	85	49	8	5	3	9	4-6	7-8	2000
	Tynemouth ...	108	13·3	-8	W	6	bcq	54	85	49	7	8	3	-	4-6	4-6	2500
11	St. Abbs Head	280	09·4	-8	W	4	bc	53	92	52	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	09·4	-4	WNW	3	bc	53	85	48	9	-	3	-	0	4-6	-
12	Renfrew (Abbotsl.)	19	11·2	-6	W	4	z.	52	92	50	6	5	-	-	7-8	7-8	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	15·5	-10	W'N	6	c	52	92	50	7	5	-	-	10	10	2500
13A	Tiree	44	10·9	-20	WSW	4	dd	49	97	49	3	5	-	-	10	10	2150
13B	Stornoway ...	15	05·7	-32	S	4	r.r.	47	97	47	7	5	-	-	10	10	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	07·9	-6	W	3	c	51	85	47	9	8	-	-	10	10	5000
	Wick ...	114	06·2	-4	W	4	c	45	85	39	8	5	7	-	4-6	9+	3000
16	Sumburgh ..	19	02·5	+2	WNW	6	c	46	85	40	8	2	3	2	1	9	2000
17	Blacksod Point	18	16·9	-22	WSW	3	d.d.	51	97	50	7	-	2	-	10	10	1500
18	Malin Head ...	84	13·3	-16	W'S	5	d.d.	50	97	49	6	-	2	-	10	10	1500
	Aldergrove ...	268	16·0	-8	SW'W	3	c	52	92	50	8	5	2	-	9+	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·0	-22	SW'S	2	d.d.	51	97	50	6	5	-	-	10	10	4500
	Roches Point	22	20·8	-10	NNW	3	bc	51	92	49	8	5	-	6	1	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	18·3	0	SW	2	b-bc	51	75	45	7	-	7	1	0	2-3	-	0	*
	Croydon ...	18·8	-6	W'S	2	bc	54	75	45	7	-	4	2	0	4-6	-	0	*
	S. Farnborough	18·2	-6	W	3	b-bc	50	85	44	8	-	4	1	0	2-3	-	0	*
	Boscombe Down	19·3	-2	W'S	2	fg	47	92	46	6	-	4	2	0	2-3	-	0	*
	Thorney Island	18·8	-4	NW'W	1	b-bc	46	97	45	7	-	7	1	0	2-3	-	0	*
	Lympne ...	18·3	-2	NW	2	c-bc	51	65	41	7	-	-	9	0	7-8	-	0	S1
	Manston ...	18·4	+2	W	1	c	52	75	44	7	-	3	7	0	10	-	0	*
2	Shoeburyness ...	18·1	+2	WSW	3	z.	53	75	46	6	-	4	2	0	7-8	-	0	*
	Felixstowe ...	17·4	-2	SSW	2	z.	51	75	42	6	-	3	9	0	4-6	-	0	2
	Gorleston ...	16·1	-4	WSW	3	bc	51	75	42	7	-	7	2	0	4-6	-	0	2
	Mildenhall ...	16·6	-2	W'S	3	bc	53	75	43	7	-	4	9	0	4-6	-	0	*
	Cranwell ...	15·3	-6	W	4	b-bc	54	85	48	7	-	4	9	0	2-3	-	0	*
3	Birmingham ...	16·4	-8	WSW	3	c	52	75	45	8	5	7	-	7-8	9	4000	0	*
	Upper Heyford	17·7	-4	WSW	2	z.	47	92	45	6	-	7	2	0	7-8	-	0	*
4	Ross-on-Wye	17·8	-6	W	1	c-bc	50	85	47	8	1	4	2	Tr	7-8	2500	0	*
5	Hartland Point	18·1	-8	SW	3	c-bc	50	97	50	8	5	-	9	4-6	7-8	1500	0	3
	Bristol ...	18·7	-18	WSW	3	z.	50	97	49	6	5	-	2	2-3	7-8	4000	0	*
	Portland Bill ...	19·4	+2	NW	1	bc	53	85	49	8	2	-	1	2-3	4-6	4000	1	2
	Plymouth ...	20·3	-6	-	0	z.	47	97	45	6	-	-	5	0	4-6	-	0	1
	The Lizard ...	19·4	-8	NW	2	bc	50	97	50	8	4	7	-	4-6	4-6	2500	1	3
	Scilly (St. Mary's)	19·8	-8	NW	1	c-bc	50	97	49	8	-	-	6	0	7-8	-	0	2
	Guernsey ...																	
6	Pembroke ...	18·4	-4	SW	3	c-bc	51	92	49	8	5	7	-	2-3	7-8	3000	0	2
7	Holyhead (Valley)	16·3	-10	SW'S	3	c	50	97	49	8	5	7	-	9+	10	2200	1	3
	Chester (Sealand)	15·6	-10	W	1	c	55	65	45	8	5	-	-	9+	9+	3000	0	*
8	Manchester ...	16·1	-6	SSW	3	id.	52	85	48	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	13·8	-14	W	4	z.	52	85	48	6	7	3	-	2-3	2-3	4000	0	3
	Catterick (Sc.) ...	14·3	+2	SSW	1	c	54	92	51	8	5	3	-	4-6	9+	1200	0	*
	Tynemouth ...	11·8	-8	W	6	bcq	55	85	48	7	2	3	-	4-6	4-6	2500	0	3
11	St. Abbs Head	07·9	-12	W	5	c-bc	54	85	50	7	5	4	-	4-6	7-8	2500	0	4
	Leuchars ...	05·9	-22	WSW	5	c	53	85	49	8	5	3	-	4-6	9+	3000	0	*
12	Renfrew (Abbotsl.)	08·4	-26	SW'S	3	d.d.	52	97	51	6	5	-	-	7-8	10	500	1	*
	Eskdalemuir ...	10·2	-18	WSW	5	d.d.	50	97	49	6	5	-	-	10	10	700	1	*
	Point of Ayre ...	13·5	-8	W	5	c	52	92	48	8	5	-	-	9+	9+	3000	0	4
13A	Tiree	05·3	-34	SW	5	d.d.	50	97	50	6	5	-	-	10	10	300	1	4
13B	Stornoway ...	98·6	-34	SW	7	r.r.	51	97	51	6	5	2	-	9+	10	900	1	2
15	Dalwhinnie ...	04·5	-20	WSW	4	id.	49	85	45	7	5	-	-	9+	9+	1500	1	*
	Aberdeen † ...	02·7	-28	SW	2	c-bc	54	75	46	9	5	4	9	Tr	7-8	1500	0	1
	Wick ...	99·7	-44	SW	3	c	51	85	46	8	5	7	-	7-8	9+	1500	0	*
16	Sumburgh ..	96·3	-46	SSW	5	d.d.	46	97	44	5	5	-	-	10	10	500	1	4
17	Blacksod Point	12·6	-18	SW'S	5	id.	51	97	51	7	6	2	-	4-6	10	1500	1	4
18	Malin Head ...	08·7	-22	SW	4	c/pr	54	85	50	8	8	2	-	4-6	9+	1500	1	4
	Aldergrove ...	12·4	-14	SSW	3	c/d	52	92	50	6	5	2	-	9	10	700	1	*
19	Birr Castle ...	15·6	-16	WSW	2	id	52	97	52	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	18·0	-14	SW'W	4	c	51	92	49	7	5	-	-	10	10	800	1	2
	Roches Point	17·6	-12	W	1	bc	49	92	47	8	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
1	London (Kew)	73	49	37	-	-	10·8
	Croydon ...	77	50	45	-	-	11·5
	S. Farnborough	76	45	28	-	-	11·2
	Boscombe Down	75	41	32	-	-	10·8
	Thorney Island	71	42	31	-	-	*
	Lympne ...	73	46	35	-	-	12·1
	Manston ...	74	51	47	-	-	11·4
2	Shoeburyness ...	76	49	40	-	-	9·5
	Felixstowe ...	75	50	46	-	-	10·4
	Gorleston ...	73	50	41	-	-	10·2
	Mildenhall ...	74	47	40	-	-	8·2
	Cranwell ...	67	48	47	-	-	8·0
3	Birmingham ...	70	49	46	-	-	7·6
	Upper Heyford	73	45	38	-	-	*
4	Ross-on-Wye	73	47	39	-	-	8·8
5	Hartland Point	65	49	48	-	-	11·9
	Bristol ...	73	47	42	-	-	9·4
	Portland Bill ...	65	50	*	-	-	*
	Plymouth ...	65	45	28	-	-	11·6
	The Lizard ...	69	46	*	-	-	12·7
	Scilly (St. Mary's)	67	47	*	-	Tr	11·8
	Guernsey ...						
6	Pembroke ...	59	48	*	-	-	10·8
7	Holyhead (Valley)	55	49	45	-	Tr	*
	Chester (Sealand)	66	51	43	-	-	6·7
8	Manchester ...	60	51	45	-	-	*
10	Spurn Head ...	60	51	*	-	-	6·4
	Catterick (Sc.) ...	58	52	48	-	-	2·4
	Tynemouth ...	58	53	50	-	-	*
11	St. Abbs Head	57	51		-	-	
	Leuchars ...	59	51	43	Tr	-	1·8
12	Renfrew (Abbotsl.)	55	50	43	Tr	1	2·0
	Eskdalemuir ...	55	49	48	-	0·3	0·1
	Point of Ayre ...	59	50	*	-	-	4·2
13A	Tiree	51	49	48	Tr	0·6	0·0
13B	Stornoway ...	51	46	45	2	2	0·0
15	Dalwhinnie ...	56	46	44	0·5	0·6	3·5
	Aberdeen † ...	59	49	46	-	-	0·0
	Wick ...	53	44	43	0·1	0·1	*
16	Sumburgh ..	47	43	38	10	2	0·1
17	Blacksod Point	53	50	*	Tr	Tr	*
18	Malin Head ...	52	49		Tr	0·2	0·0
	Aldergrove ...	57	51	50	-	0·3	1·1
19	Birr Castle ...	61	51	49	-	0·1	6·1
20	Valentia Obsy.	55	51	50	-	0·4	8·4
	Roches Point	63	49	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17th April	18h. G.M.T.	01h. G.M.T. 18th April	07h. G.M.T.
1062 05646 56868	62 02645 57668	51 02756 24428	52 58546 18458
1152 62735 87668	52 02844 18668	52 81744 24457	-- 67209 53589
203	6- 52838 20568		6- 56838 20658
2167 61844 53668	52 02844 55768	57 61855 22427	53 51855 20456
2157 02863 55528	57 61855 56568	5- 02868 24228	53 01962 21414
2195- 52438 20468	57 02744 24458	02 21690 19458	5- 51538 21658
2357 02846 20428	62 05638 53458	5- 51848 22458	5- 54506 53458
2457 02961 22528	54 02854 56627	55 02964 23327	54 02853 23315
2051 02754 53628	57 05555 57826	5- 05648 53628	57 02754 53625
2757 02854 22427	57 02855 22428	52 02847 22428	57 21834 23358
2257 02754 22428	57 02855 22527	5- 02748 54428	5- 02747 21427
2827 03744 26528			
2809 02890 17428		54 02857 18227	53 02855 20326
5752 05645 18228	5- 21735 23358	62 05635 22128	62 52845 18357
3009 02890 22428	57 02864 22428	57 02765 20427	5- 51648 23458
3204 02790 26427	07 05690 25428	57 05664 24428	53 05644 23426
2.27 01754 18414	52 02755 22526	50 01753 22513	44 01753 22415
2957 02871 24528	57 02771 23527	57 02845 24328	52 61845 22127
310			
6103 05690 22327	57 05662 24327	07 05690 56328	57 05664 22227

13h. G.M.T. 17th April	18h. G.M.T.	01h. G.M.T. 18th April	07h. G.M.T.
3304 05690 14344	13 02761 6327	5- 02768 00028	5- 02744 1-228
33-- 05662 24223			
3410 02863 22325	47 02861 24328	57 02754 28328	53 02855 22228
1300 01790 22316	04 02890 23417	07 02790 22318	
3658 01762 28313	53 02763 28316		
3510 01762 23314	07 02890 26327	04 02890 23225	09 05690 21225
3610 05561 18204		03 05690 24214	
3710 01762 22424		07 02790 24225	
3910 05661 20315	00 02790 24427	00 05590 24125	03 05590 20214
3810 05651 22314	07 02790 57427	07 05690 00025	53 02734 24325
4300 00790 24300	04 01790 24313	03 01790 24214	
4300 05690 20312	07 02790 20215	00 02790 26115	00 01790 00014
4010 01761 31302	00 02790 01315	00 01790 00014	00 02790 17145

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 18th April

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 ...	bz.ubcy	becy	bcw
Croydon ...	bcz.by	bcycy	cyc
Greenwich	bz.y	bbcy	bcby
Camden Square	bc	bc	*
Kensington ...	bc	bc	*
Hampstead ..	bc	b	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0·3 Time 7-9h 17th. Min. 0·1 Time 12-24h 17th.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	73	49	37	-	-	10·8	*	*
Croydon ...	77	50	45	-	-	11·5	*	*
Greenwich ...	75	48	35	-	-	10·5	28	57
Westminster ...	76	50	43	-	-			
Regents Park ...								
Camden Square	77	50	42	-	-	*	*	60
Kensington ...	77	49	43	-	-		53	60
Hampstead ...	74	47	41	-	-		*	63

SECRET

Page 1 BRITISH SECTION

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

Monday 19th April, 1943.

No. 29733.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14·4	-20	WSW	3	bc	66	35	38	8	–	1	2	0	4-6	–
	Croydon	15·5	-20	W'N	3	bc	69	45	44	8	–	4	2	0	4-6	–
	S. Farnborough	14·7	-24	W	5	b-bc	70	25	35	8	–	–	4	0	2-3	–
	Boscombe Down	15·9	-20	W	4	b-bc	68	35	41	8	–	–	2	0	2-3	–
	Thorney Island	16·6	-16	S	3	b	62	65	50	8	–	–	1	0	1	–
	Lympne	15·1	-22	SSW	3	b	69	35	42	8	–	–	3	0	Tr	–
	Manston	14·6	-24	WSW	4	b-bc	70	35	40	8	–	–	8	0	2-3	–
2	Shoeburyness	14·8	-20	SSW	4	z0	72	35	46	6	–	4	–	0	2-3	–
	Felixstowe	13·7	-16	SSE	5	b-bc	69	45	48	7	–	–	2	0	2-3	–
	Gorleston	12·2	-34	S	4	bc	59	75	49	7	1	–	1	2-3	4-6	2500
	Mildenhall	12·5	-26	SW'W	4	bc	68	55	51	8	1	–	2	2-3	4-6	4000
	Cranwell	12·1	-22	SW'W	4	z0	65	65	51	6	5	–	–	9		4000
3	Birmingham	13·0	-24	WSW	4	c-bc	62	65	50	8	7	8	6	4-6	7-8	4000
	Upper Heyford	13·3	-30	WSW	4	bc	67	45	42	7	1	–	4	Tr	4-6	4000
4	Ross-on-Wye	13·8	-20	SW'S	4	bc	64	55	46	8	1	5	9	Tr	4-6	3500
5	Hartland Point	15·6	-16	SW	3	c-bc	52	85	48	8	5	4	–	7-8	7-8	1200
	Bristol	15·8	-22	W	3	bc	64	55	46	8	–	–	8	0	4-6	–
	Portland Bill	16·5	-16	SW	1	bc	55	92	53	8	2	–	–	4-6	4-6	4000
	Plymouth	17·5	-18	SSW	3	b-bc	58	75	50	8	1	–	1	Tr	2-3	2500
	The Lizard	17·6	-12	W'N	3	b-bc	59	75	51	8	7	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	17·5	-14	W'S	1	b	61	65	48	8	–	–	–	0	0	–
	Guernsey															
6	Pembroke	15·3	-18	SW'W	4	c	52	85	49	8	5	2	–	7-8	9+	3000
7	Holyhead (Valley)	13·0	-14	SW'S	4	c	52	92	49	8	5	9	8	7-8	9+	3000
	Chester (Sealand)	12·2	-18	SW	2	c-bc	62	65	49	8	8	3	–	7-8	7-8	2500
8	Manchester	12·2	-26	SW	5	c	60	75	51	8	5	4	–	7-8	9	2000
10	Spurn Head	11·2	-22	WSW	4	c	59	75	49	7	7	2	–	7-8	9+	1500
	Catterick (Sc)	*	*	W	5	c-bc	63	65	51	8	8	6	9	4-6	7-8	2000
	Tynemouth	07·5	-20	W	6	c-bcq	63	55	47	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	02·6	-8	WSW	6	c	58	85	53	7	5	7	–	7-8	10	2500
	Leuchars	00·8	-22	WSW	7	d0d0	57	85	53	7	5	–	–	10	10	1500
12	Renfrew (Abbots I.)	04·6	-16	WSW	6	c	55	92	53	7	5	–	–	4-6	10	600
	Eskdalemuir	05·5	-38	SW	7	r0r0	51	92	49	6	–	2	–	10	10	400
	Point of Ayre	08·6	-26	W'S	6	c	60	75	52	8	2	7	–	Tr	9+	1600
13A	Tiree	02·7	+4	WSW	4	c-bc/r	52	85	48	7	5	3	–	7-8	7-8	2500
13B	Stornoway	95·6	+10	WSW	8	bc	51	75	44	8	2	–	–	4-6	4-6	2200
15	Dalwhinnie	00·0	-16	SW	3	ir	50	85	46	6	5	–	–	7-8	10	1500
	Aberdeen	97·7	-18	SW	4	c-bc	61	65	49	8	2	4	–	4-6	7-8	2500
	Wick	94·0	-22	W'S	7	c-bc	59	65	46	9	8	–	–	7-8	7-8	1500
16	Sumburgh	88·8	-30	WSW	8	c/d	49	92	46	7	5	7	–	9	9	2000
17	Blacksod Point	09·5	-12	SW'W	5	Dr	52	97	51	6	–	2	–	10	10	1500
18	Malin Head	05·4	-2	W'S	5	dd	51	97	50	6	–	2	–	10	10	1500
	Aldergrove	08·1	-16	SW	4	c/d	55	85	52	9	8	7	–	7-8	9+	1600
19	Birr Castle	12·3	-16	WSW	4	c	58	85	54	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	15·2	-12	SW'W	5	c	54	75	47	8	5	7	–	9	9+	1500
	Roches Point	14·3	-18	WSW	3	c-bc	57	75	50	8	5	–	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 18th April,

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	10·6	-10	WSW	3	b	67	35	40	8	-	-	1	0	1	-	0	*
Croydon	11·9	-18	WSW	4	b	66	45	44	8	-	-	1	0	1	-	0	*
S. Farnborough	11·4	-10	W'S	4	b	67	35	39	8	-	-	1	0	Tr	-	0	*
Boscombe Down	12·7	-10	W'N	3	b	63	45	43	8	-	-	1	0	1	-	0	*
Thorney Island	12·9	-14	SW'W	3	b-bc	62	55	43	8	-	-	1	0	2-3	-	0	*
Lympne	12·3	-14	SSW	3	b	58	65	45	8	-	-	1	0	Tr	-	0	§
Manston	12·0	-12	SWW	4	b-bc	65	35	39	8	-	-	2	0	2-3	-	0	*
Shoeburyness	11·6	-18	WSW	3	b-bc	65	55	46	7	-	4	1	0	2-3	-	0	*
Felixstowe	11·2	-10	SSW	3	b-bc	70	35	45	7	-	-	2	0	2-3	-	0	2
Gorleston	09·0	-12	WSW	4	b-bc	70	45	45	7	1	4	-	1	2-3	2500	0	3
Mildenhall	09·5	-14	WSW	5	b-bc	67	25	31	8	-	4	1	0	2-3	-	0	*
Cranwell	07·9	-4	W	4	c-bc	64	65	52	7	1	4	2	Tr	7-8	3000	0	*
Birmingham	09·0	-14	SW	4	b	64	35	36	8	-	-	1	0	Tr	-	0	*
Upper Heyford	10·5	-16	WSW	5	b-bc	62	35	35	8	-	-	2	0	2-3	-	0	*
Ross-on-Wye	10·9	-16	WSW	5	bq	59	35	35	8	-	-	1	0	1	-	0	*
Hartland Point	12·6	-20	W	3	b-bc	52	85	47	8	1	-	-	2-3	2-3	3000	0	3
Bristol	12·7	-10	W	3	b-bc	56	65	45	8	-	-	2	0	2-3	-	0	*
Portland Bill	13·4	-14	SW	2	bc	53	92	51	8	5	-	-	4-6	4-6	4000	1	2
Plymouth	13·9	-18	SW'S	3	b	57	75	49	8	-	-	1	0	Tr	-	0	1
The Lizard	14·0	-20	WNW	3	b-bc	57	85	51	8	7	-	-	2-3	2-3	3500	0	2
Scilly (St. Mary's)	14·6	-12	W'N	2	b	57	75	50	8	-	-	-	0	0	-	0	2
Guernsey																	
Pembroke	12·1	-22	SW	4	bc	50	97	49	8	4	-	-	4-6	4-6	3000	0	3
Holyhead (Valley)	09·1	-18	SW'S	6	c	50	92	48	7	5	7	-	7-8	9+	3000	1	4
Chester (Sealand)	09·8	-14	WSW	5	c	55	75	47	8	5	7	9	4-6	9+	2000	0	*
Manchester	09·2	-18	SW	4	c	57	65	47	9	4	7	-	2-3	9+	4000	0	*
Spurn Head	07·7	-8	W'S	4	c-bc	57	75	48	7	7	3	1	4-6	7-8	2500	0	3
Catterick (Sc)	*	*	WSW	5	c	56	85	51	8	8	6	-	7-8	9+	1800	0	*
Tynemouth	04·1	-6	W	6	c-bc	60	65	47	7	8	-	-	7-8	7-8	2300	0	5
St. Abbs Head	00·6	-4	W	5	c/pr	51	97	50	7	5	2	-	7-8	9+	2500	0	4
Leuchars	99·5	+4	SW	4	bc	55	65	42	8	5	7	6	2-3	4-6	2500	0	*
Renfrew (Abbots I.)	03·4	-2	W	5	c	51	75	45	8	8	7	6	2-3	9+	1800	1	*
Eskdalemuir	03·0	-8	W'N	5	c/pr	48	85	44	7	5	7	-	9	9+	900	1	*
Point of Ayre	05·0	-26	W'N	6	id0	55	92	52	7	8	7	-	4-6	10	1800	0	4
Tiree	03·3	+4	W'N	5	b	48	75	38	8	1	3	-	Tr	1	2500	1	4
Stornoway	96·9	+8	W	8	bcjp	45	75	38	8	3	4	-	4-6	4-6	1800	1	5
Dalwhinnie	00·0	+4	W	4	c-bc	42	75	34	8	5	-	-	7-8	7-8	2500	1	*
Aberdeen	97·1	+12	WNW	4	bc	55	35	29	8	1	-	2	1	4-6	2500	0	3
Wick	94·2	0	SW'W	8	b-bc	49	55	35	9	8	-	-	2-3	2-3	2000	0	*
Sumburgh	85·8	-18	SWW	9	pr	46	75	39	6	2	-	-	7-8	7-8	2000	1	5
Blacksod Point	09·6	+2	WNW	5	c-bc	51	65	40	8	8	-	6	4-6	7-8	1500	1	4
Malin Head	05·4	0	W'N	5	bc	49	75	42	8	8	-	-	4-6	4-6	1500	1	4
Aldergrove	06·7	-2	W	4	c/r	49	85	47	7	5	2	-	4-6	10	1000	1	*
Birr Castle	09·1	-14	WSW	2	ir	52	92	50	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	11·8	-18	SW'W	4	iD	53	97	52	6	5	-	-	10	10	450	1	4
Roches Point	11·3	-18	W'S	4	c	54	85	50	8	8	-	-	9	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 18th (39)	13h.—18h. 18th (40)	18h. 18th to 1h. 19th (41)	1h.—7h. 19th (42)
London (Kew)	bbcy	bcby	by	bbcbcm0
Croydon	bcby	bcyby	bcyb	bbcc
S. Farnborough	bbcy	bcby	bbcybbc	bccbc
Boscombe Down	bcm0wbcyby	bybcyby	bcybbc	bcbbcm0
Thorney Island	byb	bcby	bybbm0w	cm0wfr0c
Lympne	cbcby	byb	bbc	bccpr0pr
Manston	bcby	bcvy	bcbvyb	bcir0
Shoeburyness	cxbcbcz0y	bcczybc		bccz0
Felixstowe	bcz0by	bybcyby	bby	bcbcm0cm0
Gorleston	bc	bc	by	bcc
Mildenhall	bcy	bcyby	byb	b,cm0
Cranwell	bcc cz0	cz0cybc	bcc	cr0rcrro
Birmingham	cbc	bcby	dc	cir
Upper Heyford	cm0bcz0	cybcy	byb	bbcm0
Ross-on-Wye	bc	bcyby	byb	bcc
Hartland Point	cFifc	bcbcb	bbcc	cdm0c
Bristol	cm0cbcc	bcby	bwbcw	cwbcwc
Portland Bill	bc	bc	bbc	bbc
Plymouth	bcm0b	bcb	bbcc	cpcc
The Lizard	bc	bcbbc	bcw	bcc
Scilly (St. Mary's)	cbcb	b	bcw	cd0
Guernsey				
Pembroke	bcc	bc	bcc	cr
Holyhead (Valley)	cid0c	cir0m0	cd0irm0	bbc
Chester (Sealand)	c	c	cir0dd	cd0d0m0z0
Manchester	cd0m0	bcb	ir0ddm0	ddr0r0
Spurn Head	cm0	c	o	c
Catterick (Sc)	cbc	c	cid0bc	bbc
Tynemouth	bcq	cq	cqoircbc	bcbm0
St. Abbs Head	cbcc	cprc	bcb	bbc
Leuchars	cm0d0	cpr0bc	cbcbr	bvb
Renfrew (Abbots I.)	cm0d0d0c	cm0d0d0c	cid0cbcb	bwcir0pr0
Eskdalemuir	od0rm0	r0irpr0c	cbc	bcpr0
Point of Ayre	c	c	rrc	cb
Tiree	odrm0c	cbc	bcc	cprbc
Stornoway	crrpr0qo	bccpr0bcjp	bcpr0bc	bcvphpr0
Dalwhinnie	ciro	oirc		coirpr0o
Aberdeen	cbcqjp	bcqy	bcyb	bw
Wick	cir0c	bcby	byb	bcpr0
Sumburgh	cm0r0r0id0c	bcpr0	bcpr0h	prcpr
Blacksod Point	r	bc	c	c
Malin Head	pr	r	bc	pr
Aldergrove	cd0d0c	id0r0r0	cbcbcm0	bcm0bcb
Birr Castle	d	r		pr
Valentia Obsy.	c	d	d	pr
Roches Point	c	c	pr	bc

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

Districts	Forecast
1 S.E. England	Wind veering West to northwest light to moderate; overcast with some rain or drizzle at first, then becoming fair; much cooler than of late.
2 E. England	Light to moderate west to northwest wind; becoming mainly fair, much cooler than of late.
3 E. Midlands	As 1.
4 W. Midlands, 5 S.W. England	Moderate northwest winds; cloudy with some rain or drizzle at first, becoming mainly fair; much cooler than of late.
6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands	Moderate or fresh northwest winds; variable cloud, bright periods; chance of scattered local showers; rather cold.
10 N.E. England, 11 S.E. Scotland	Fresh to moderate westerly winds; cloudy and brighter periods; rather cold
12 S.W. Scotland & Isle of Man	As 6-9
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Fresh west to northwest winds, strong locally at first, backing South west, freshening again later; showers and bright periods, hail locally, rain likely in most of area by end of period; rather cold
16 Orkneys and Shetlands, 17 N.W. Ireland, 18 N.E. Ireland	As 13a-15
19 S.E. Ireland, 20 S.W. Ireland	Moderate north to north west winds; bright periods, local showers; rather cold.

GENERAL INFERENCE

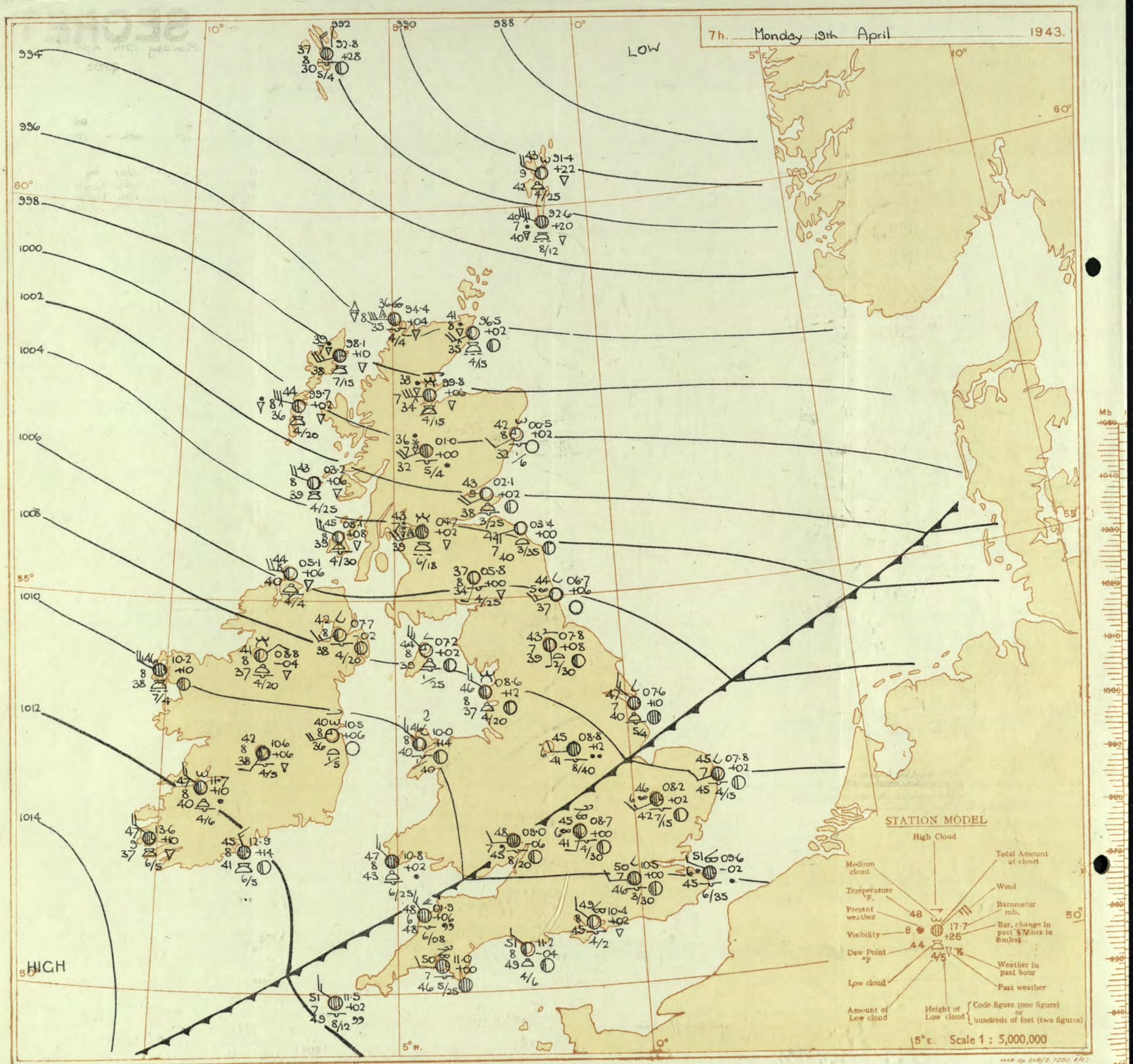
A shallow trough of low pressure is moving southeast over Southern England and will be followed by a ridge of relatively high pressure. There will be some rain mainly light in Southeast England today but conditions will become mainly fair. In the northern half of the British Isles weather will be showery with brighter intervals. Conditions will be very much cooler than of late over England and Wales, and will continue rather cold in Scotland

FURTHER OUTLOOK

Rather unsettled conditions generally.

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 19th April 1943.
LOW
HIGH
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
STATION MODEL
High Cloud
Medium cloud
Total Amount of cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past 3 hours in 0.1 mbs.
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Scale 1 : 5,000,000

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).

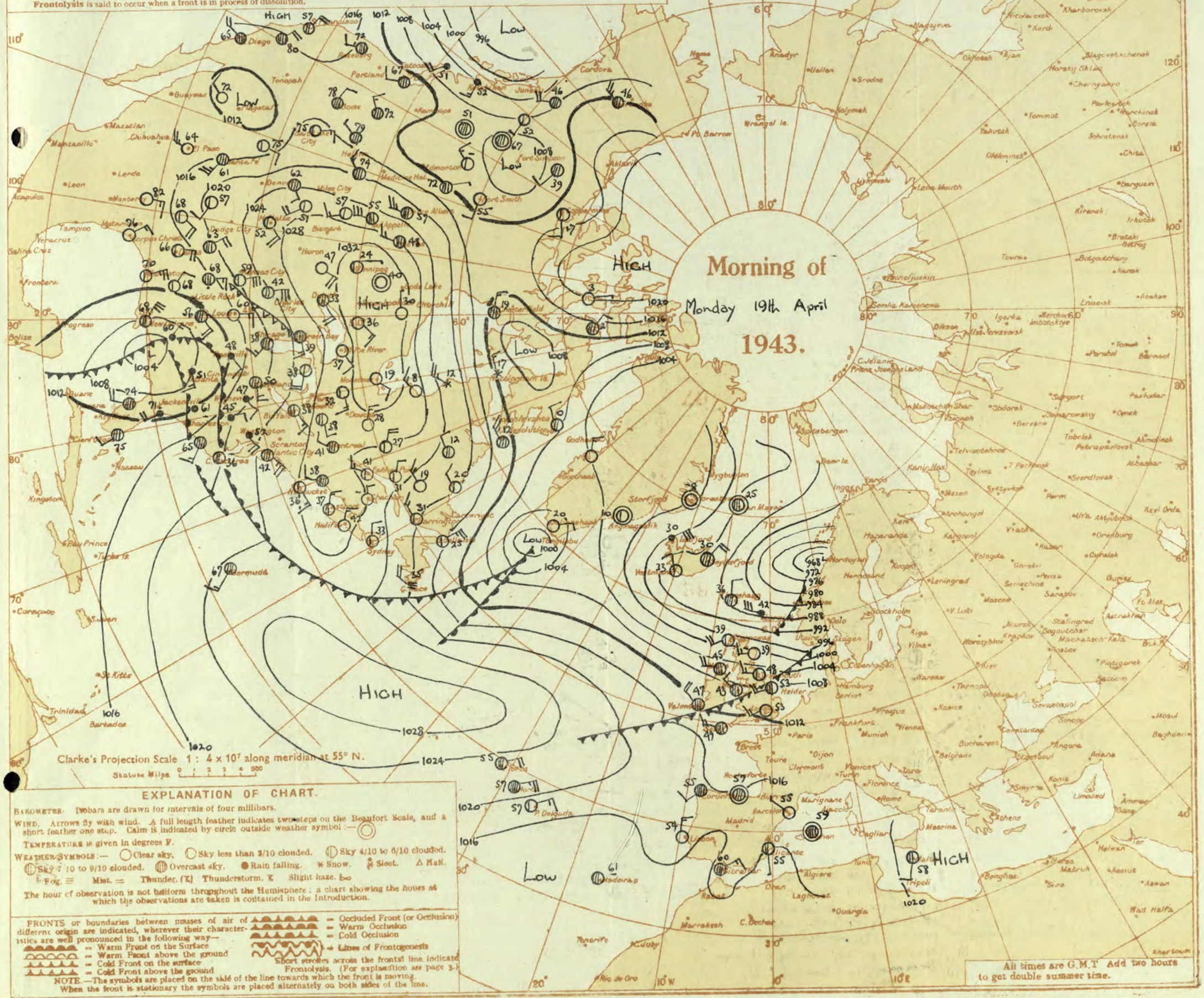
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Monday, 19th April 1943

No. 29733

OBSERVATIONS at 1 hr. G.M.T. 19th April

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	11.4	-6	WSW	3	b	53	65	42	8	-	-	-	0	0	-
	S. Farnborough	226	10.6	-2	W'S	2	bc	48	75	40	8	-	7	-	0	4-6	-
	Boscombe Down	417	11.6	-2	WSW	3	c-bc	43	92	41	8	5	-	-	7-8	7-8	4000
	Thorney Island	10	11.6	-4	N'E	2	c-bc	43	85	40	7	-	3	-	0	7-8	-
	Lympne	283	11.0	-6	W	1	b-bc	48	75	41	8	-	3	-	0	2-3	-
	Manston	154	10.3	-10	WSW	2	b	50	92	48	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10.0	-6	SSW	4	b	53	55	35	7	-	-	-	0	0	-
	Gorleston	5	08.6	0	W	2	b	51	55	34	7	-	-	-	0	0	-
	Mildenhall	15	08.8	0	SW	3	b	45	65	33	8	-	4	-	0	Tr	-
	Cranwell	203	07.5	-2	W'S	5	c	52	75	43	8	5	3	-	4-6	9	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09.8	0	WSW	2	b	42	92	39	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11.1	-2	W	4	c	49	92	47	8	5	-	-	9+	9+	2500
	Bristol	209	11.9	-6	W	3	c-bc	48	92	46	7	5	-	-	7-8	7-8	1300
	Portland Bill	32	11.9	-12	W	1	bc	52	92	50	8	1	-	-	4-6	4-6	4000
	Plymouth	82	12.4	-4	WSW	1	c	50	85	46	7	5	-	-	9	9	4500
	The Lizard	240	12.3	-6	WNW	3	bc	49	97	49	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	12.8	-2	W'N	3	c	49	92	47	8	5	-	-	9	9	1500
	Guernsey	175															
6	Pembroke	142	10.3	-2	SW'W	4	c	50	97	50	7	5	-	-	9+	9+	1500
7	Holyhead (Valley)	32	08.8	0	NW	2	c/r	48	85	44	7	5	2	-	10	10	3700
	Chester (Sealand)	16	08.9	0	SW	2	dd	47	92	46	5	5	-	-	10	10	1500
8	Manchester	235	08.2	+4	W'N	3	dd	47	97	46	6	-	2	-	10	10	800
10	Spurn Head	29	06.6	0	WSW	4	o	53	85	47	7	7	-	-	10	10	1500
	Catterick (Sc.)	192	07.0	+6	WNW	2	c-bc/d	47	85	40	8	5	7	-	2-3	7-8	3000
	Tynemouth	108	05.3	+8	W	3	b-bc	48	75	41	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	03.4	+16	SW	4	b-bc	42	92	39	7	5	-	-	2-3	2-3	2500
	Leuchars	36	02.3	+14	W	4	b	41	75	43	9	-	3	-	0	Tr	-
12	Renfrew (Abbots I.)	19	04.9	+4	WSW	3	b-bc	43	75	37	8	1	-	2	1	2-3	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07.4	+4	NW	4	c-bc	46	85	42	8	5	-	-	7-8	7-8	3000
13A	Tiree	44	03.2	-2	W	4	c-bc	44	85	39	8	2	6	-	7-8	7-8	2500
13B	Stornoway	15	97.9	0	WSW	4	bbc/pr	39	92	38	8	3	-	3	2-3	2-3	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	00.2	+2	W	3	b	39	65	30	9	-	-	-	0	0	-
	Wick	114	95.8	-2	SW	6	b	39	75	33	8	-	-	-	0	0	-
16	Sumburgh	19	89.4	+20	W	9	bc	44	85	40	8	2	-	-	4-6	4-6	2500
17	Blacksod Point	18	09.8	-2	W'N	5	c-bc	45	75	38	8	8	3	-	7-8	7-8	1500
18	Malin Head	84	05.6	+2	W'N	4	c-bc	45	75	38	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	08.1	+6	W	3	z_0	42	85	38	6	5	7	-	1	2-3	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12.8	+2	NW'N	4	c-bc	47	75	40	9	5	3	-	7-8	7-8	2500
	Roches Point	22	10.9	0	NNW	4	bc	48	85	44	8	5	-	5	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 19th April

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	09.5	-2	WSW	1	z_0	50	75	43	6	5	-	-	4-6	4-6	4000	0	*
Croydon	10.5	0	W'S	2	c-bc	50	85	46	7	5	4	-	2-3	7-8	3000	0	*
S. Farnborough	09.5	+2	W'S	2	bc	48	85	43	8	5	7	-	1	4-6	4000	0	*
Boscombe Down	10.2	-6	WSW	2	z_0	48	92	45	6	5	4	2	2-3	4-6	1800	0	*
Thorney Island	10.4	+2	NW'W	2	bc/r	49	85	45	8	5	7	-	4-6	4-6	450	0	*
Lympne	09.6	-2	SW	2	pr	51	75	45	7	5	-	-	10	10	5000	0	§ 1
Manston	09.6	-2	W'N	1	ir_0	51	75	45	6	5	7	-	9	9+	3500	0	*
Shoeburyness	09.8	0	WSW	2	z_0	51	75	42	6	5	3	-	4-6	9	2500	0	*
Felixstowe	08.6	-2	SW	4	z_0	48	75	41	6	5	5	-	2-3	4-6	4000	0	3
Gorleston	07.8	+2	W'S	2	c-bc	45	97	45	7	5	4	-	4-6	7-8	1500	0	2
Mildenhall	08.2	+2	SW'W	3	z_0	46	85	42	6	5	-	-	9+	9+	1500	0	*
Cranwell	08.2	+10	NW'W	1	r_0r_0	46	85	43	6	5	2	-	4-6	10	2000	1	*
Birmingham	09.0	+6	NNW	3	r_0r_0	46	92	43	5	6	-	-	10	10	800	1	*
Upper Heyford	08.7	0	SSW	2	z_0	45	85	41	6	5	7	2	4-6	7-8	3000	0	*
Ross-on-Wye	09.0	-6	W	2	id	48	85	45	7	5	-	-	10	10	2000	1	*
Hartland Point	01.9	+6	NW	3	c/d	49	97	48	6	5	2	-	9	10	800	1	
Bristol	09.7	-14	WSW	3	id_0	50	85	47	7	-	2	-	10	10	2500	0	*
Portland Bill	11.2	-4	NW	1	bc	51	92	39	8	2	*	-	4-6	4-6	4000	1	2
Plymouth	11.0	0	W	2	c	50	85	46	7	5	7	2	7-8	9	2500	0	
The Lizard	11.1	+2	WNW	4	c	51	85	47	8	5	-	-	9+	9+	2500	0	3
Scilly (St. Mary's)	11.5	+2	WNW	3	o/d	51	92	49	7	5	-	-	10	10	1200	0	3
Guernsey																	
Pembroke	10.8	+2	NW	3	c	47	85	43	8	8	-	-	9	9	2500	1	2
Holyhead (Valley)	10.0	+14	NW'W	3	bc	46	85	40	8	5	4	6	Tr	4-6	4000	1	1
Chester (Sealand)	09.4	+6	W	2	c-bc	47	85	41	7	2	-	9	4-6	7-8	2500	1	*
Manchester	09.0	+6	WNW	3	z_0	46	85	41	6	5	3	2	4-6	7-8	3000	1	*
Spurn Head	07.6	+10	NW'W	3	c	47	75	40	7	8	4	-	7-8	9+	1500	1	3
Catterick (Sc.)	07.8	+8	S	1	bc	43	85	39	7	1	-	5	1	4-6	3000	0	*
Tynemouth	06.7	+6	WSW	3	z_0	44	75	37	5	-	4	-	0	2-3	-	1	3
St. Abbs Head	03.4	0	WSW	4	b-bc	42	92	40	7	1	-	-	2-3	2-3	3500	0	4
Leuchars	02.1	+2	SW	4	b-bc	48	85	38	9	8	-	-	2-3	2-3	2500	0	*
Renfrew (Abbots I.)	04.7	+2	WSW	4	prs	43	85	39	7	9	6	-	9	9+	1800	1	*
Eskdalemuir	05.8	0	S'W	1	bc	37	85	34	8	5	-	-	4-6	4-6	2500	1	*
Point of Ayre	07.2	+2	NW'W	5	b	44	85	39	8	2	1	-	Tr	1	2500	1	3
Tiree	03.2	+6	W'N	4	bc/pr	43	85	39	8	3	-	-	4-6	4-6	2500	0	4
Stornoway	98.1	+10	WSW	5	pr	39	97	38	7	3	-	-	9+	9+	1500	1	3
Dalwhinnie	01.0	0	WSW	4	prs	36	85	32	7	5	-	-	7-8	7-8	1500	1	*
Aberdeen †	00.5	+2	SW'W	2	b	42	65	32	8	5	3	-	Tr	Tr	4000	0	2
Wick	96.5	+2	SW	4	pr	41	75	35	8	9	-	-	4-6	4-6	1500	0	*
Sumburgh	92.6	+20	W'N	7	PR	40	97	40	7	9	-	-	10	10	1200	1	5
Blacksod Point	10.2	+10	W'N	5	c	46	75	38	8	9	-	-	9+	9+	1500	1	4
Malin Head	05.1	+6	W	4	bc/pr	44	85	40	8	8	-	-	4-6	4-6	1500	1	
Aldergrove	07.7	-2	W'S	3	bc	42	85	38	8	5	4	-	4-6	4-6	2000	1	*
Birr Castle	10.6	+6	SSW	2	bc	42	85	38	8	5	-	-	4-6	4-6	2500	1	*
Valentia Obsy.	13.6	+10	NW'W	4	c	47	65	37	9	3	-	-	9	9	2500	1	3
Roches Point	12.9	+14	NNW	3	bc	45	85	40	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 18th Hrs. (38)
London (Kew)	70	49	36	-	-	12.3
Croydon	73	48	43	-	Tr	12.5
S. Farnborough	73	47	34	-	-	12.6
Boscombe Down	71	42	33	-	-	12.4
Thorney Island	66	42	*	-	Tr	*
Lympne	70	44	34	-	Tr	12.2
Manston	72	46	42	-	Tr	11.6
Shoeburyness	73	49	37	-	-	10.8
Felixstowe	74	46	42	-	-	13.2
Gorleston	70	44	40	-	-	12.6
Mildenhall	72	39	33	-	-	12.9
Cranwell	66	45	43	-	2	8.3
Birmingham	67	45	42	-	2	9.0
Upper Heyford	68	39	29	-	-	*
Ross-on-Wye	67	45	36	-	Tr	11.9
Hartland Point	53	47	47	-	0.6	8.8
Bristol	66	42	31	-	Tr	11.9
Portland Bill	57	48	*	-	-	*
Plymouth	59	46	36	-	-	12.2
The Lizard	60	48	*	-	-	12.5
Scilly (St. Mary's)	61	48	*	-	Tr	12.6
Guernsey						
Pembroke	55	45	*	-	3	8.7
Holyhead (Valley)	56	41	34	Tr	0.4	*
Chester (Sealand)	65	47	43	-	1	2.5
Manchester	61	44	44	Tr	1	*
Spurn Head	61	45	*	-	5	4.0
Catterick (Sc.)	64	37	31	-	Tr	5.5
Tynemouth	63	41	36	-	0.2	*
St. Abbs Head	62	39	*	Tr	-	*
Leuchars	61	39	34	Tr	-	5.3
Renfrew (Abbots I.)	56	39	29	1	1	0.5
Eskdalemuir	54	33	25	0.3	0.4	0.0
Point of Ayre	63	43	*	-	3	0.8
Tiree	54	41	36	3	0.3	4.7
Stornoway	54	37	*	1	5	4.3
Dalwhinnie	53	35	31	6	3	4.1
Aberdeen †	66	39	32	-	-	3.8
Wick	60	35	32	-	-	*
Sumburgh	50	40	32	2	4	1.9
Blacksod Point	53	42	*	2	0.4	*
Malin Head	51	41		0.2	0.4	2.2
Aldergrove	56	39	34	1	-	0.0
Birr Castle	59	36	28	1	3	0.1
Valentia Obsy.	54	44	39	0.3	2	0.1
Roches Point	58	45	*	-	0.3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 18th April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 19th April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 5-	01754	57324	20	01754	55814	50	02954	56724	3-	88755	54685
115 57	22844	31667	57	89844	91887	57	89844	95887	57	88844	91686
203 50	02745	22665	8-	02843	24685	80	01854	22504	8-	27845	22585
206 83	63844	57665	24	10852	57582	28	25852	57582	36	81744	57685
210 23	25354	55686	24	02854	57685	50	01961	55511	8-	01864	22414
219 20	01853	56753	3-	10855	24815	80	01854	22614	30	81854	58654
230 5-	56517	53458	8-	25865	22385	8-	25856	57486	36	25854	22384
245 5-	02857	55627	14	01361	58613	00	00990	25100	54	01963	20303
260 5-	02858	20758	57	02653	24525	03	01790	53512	50	01853	20413
278 5-	02848	22328	02	62738	26468	04	01890	25463	26	01853	25313
279 5-	51738	26658	52	52526	22658	84	02764	24265	8-	01844	22402
285									23	02745	26516
288 5-	02857	19527	57	02845	54426	03	22890	24365	03	01890	19214
575 62	52625	20358	83	02744	26355	8-	81747	28288	86	25844	04284
301 5-	02746	22427	57	51646	20667	5-	22768	28368	26	01854	28315
321 5-	05647	22327	40	05654	22325	5-	05658	24328	57	05565	00067
[illegible] 80	05655	22415				5-	05658	22328	54	01753	24214
292 2-	02857	22427	24	02765	56627	5-	61848	28368	04	02790	24265
310									--	01634	26454
614 7-	05657	53327	14	01761	23314	57	02765	24428	52	51554	24168
333 54	01864	20424	5-	02734	15528	5-	21768	28158	40	02852	29225
334											
340 7-	02955	22327	76	01962	26324	50	61658	24328	52	22643	24168
136 7-	02755	20415	20	01763	08865	5-	02767	20317	5-	51648	02328
336									57	02754	28328
350 10	01863	22314	00	01850	54413	00	00790	20300	57	05646	22128
368 74	01853	24314				5-	02747	23327	57	05525	22327
379 05	02730	22515	04	01830	18412	00	00890	22300	07	02790	24217
390 01	05661	22403	00	01830	24401	00	05690	22300	03	05690	22112
382 04	01830	55414	00	01890	59412	00	00890	24310	07	01790	21114
438 04	01790	22412	04	01790	22513	50	01754	24414	5-	05657	28217
430 00	01830	20414	00	01830	20311	50	02756	26216	5-	02756	28126
409 50	01831	21312	00	00830	23200	5-	02847	25217	5-	57308	23358

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 April. 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	bbcy	bcby	bbcbcm.
Croydon	bcby	bcyby	bbcc
Greenwich	by	by	bycpbc
Camden Square	b	b	*
Kensington	bc	bc	*
Hampstead	b	b	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0.1 Time 8-9h 18th. Min. <0.1 Time Rest of Period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	70	49	36	-	-		*	*
Croydon	73	48	43	-	Tr	12.5	*	*
Greenwich	73	48	38	-	Tr	12.1	32	66
Westminster	74	49	44	-			*	*
Regents Park	72	48	45	-	-		27	71
Camden Square	73	48	44	-	-	*	*	69
Kensington	74	48	45	-	-		44	69
Hampstead	71	45	41	-	-		*	75

SECRET

Page 1 BRITISH SECTION

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

Tuesday 20th April 1943.

No. 29734

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

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)	10.1	+6	N	3	c	52	75	45	7	5	2	-	9+	10	4000
	Croydon	10.0	+2	NNW	3	zo	57	85	49	6	5	-	-	10	10	5300
	S. Farnborough	10.2	+10	NNW	2	o/d	51	92	45	6	5	-	-	10	10	700
	Boscombe Down	11.5	+10	NNW	4	roro	47	92	45	6	5	7	-	9	10	1000
	Thorney Island	10.1	+2	W	4	pr	61	65	49	8	2	-	-	9+	9+	4000
	Lympne	08.8	-6	WS	2	b-bc	62	65	48	7	1	4	-	2-3	2-3	2000
	Manston	08.8	-6	NW	2	b-bc	58	75	49	7	2	-	8	2-3	2-3	2500
2	Shoeburyness	09.4	0	WSW	2	zo	60	65	47	6	2	-	-	7-8	7-8	2500
	Felixstowe	08.7	-4	N'W	3	zo	56	65	46	6	8	-	-	10	10	2500
	Gorleston	09.5	+6	SWW	3	roro	45	85	43	6	6	-	-	10	10	1200
	Mildenhall	09.8	+8	NW'N	2	dr	47	92	46	6	5	2	-	9	10	600
	Cranwell	09.2	+2	NW	3	zo	53	65	38	6	8	3	-	7-8	9	2500
3	Birmingham	10.3	+4	NW	3	c-bc	54	45	34	8	5	-	-	7-8	7-8	2500
	Upper Heyford	10.5	+12	NNW	2	dod	46	92	44	6	5	2	-	4-6	10	2000
4	Ross-on-Wye	10.8	0	W	4	c-bc	54	45	34	8	7	-	1	7-8	7-8	3500
5	Hartland Point	13.1	+10	NNE	3	bc	48	75	39	8	2	4	-	2-3	4-6	2000
	Bristol	12.2	+10	WNW	2	zo	51	75	44	6	1	3	-	2-3	4-6	2500
	Portland Bill	11.8	+4	NW	4	c-R	54	92	52	8	5	-	-	10	10	2500
	Plymouth	13.3	+10	NW	3	d	52	65	42	8	7	7	-	4-6	7-8	2500
	The Lizard	13.9	+10	N	5	bc	54	65	42	8	2	7	-	4-6	4-6	2000
	Scilly (St. Mary's)	15.0	+12	WNW	3	b-bc	55	55	40	8	1	-	5	2-3	4-6	1800
	Guernsey															
6	Pembroke	13.3	+12	WNW	2	bc	50	75	40	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	11.7	+8	W	5	b-bc	52	55	38	8	1	4	-	2-3	2-3	3500
	Chester (Sealand)	10.3	+6	WNW	4	bc	51	55	36	8	2	-	-	4-6	4-6	2500
8	Manchester	10.2	+6	WN	4	c-bc	51	55	37	8	2	6	-	4-6	7-8	2000
10	Spurn Head	08.4	0	WN	3	c	53	55	35	7	7	6	-	4-6	9+	2500
	Catterick (Sc)	07.7	-2	W	4	bc	54	55	38	8	8	-	-	4-6	4-6	3000
	Tynemouth	07.5	+8	W	4	bc	50	55	33	7	2	-	-	4-6	4-6	2800
11	St. Abbs Head	04.9	+4	W	4	c-bc	49	75	40	7	1	-	-	7-8	7-8	3500
	Leuchars	04.0	+12	WNW	4	bc	52	45	31	9	2	3	-	4-6	4-6	2000
12	Renfrew (Abbots I.)	06.5	+14	W	4	c	52	85	47	8	3	-	-	7-8	7-8	2000
	Eskdalemuir	07.1	+16	WSW	4	pr	48	97	45	8	5	7	-	4-6	7-8	2200
	Point of Ayre	09.3	+10	WN	4	bc	53	65	41	8	3	-	-	4-6	4-6	3000
13A	Tiree	07.4	+38	W	5	bc	49	85	44	8	2	6	-	4-6	4-6	3000
13B	Stornoway	02.6	+24	W	6	c/pr	47	85	44	8	3	-	-	4-6	10	2200
15	Dalwhinnie	04.3	+18	WNW	3	prs	39	85	35	8	8	-	-	7-8	9	2500
	Aberdeen	02.5	+18	WNW	4	bcjp	53	45	29	9	2	-	-	4-6	4-6	4000
	Wick	00.3	+22	NW	5	c/pr	45	97	43	8	9	-	-	9	9	1500
16	Sumburgh	97.9	+30	NW	3	c-bc	46	75	37	9	2	6	3	4-6	7-8	2500
17	Blacksod Point	13.1	+16	WNW	4	bc	48	75	40	8	9	-	-	4-6	4-6	1500
18	Malin Head	08.5	+16	NW'W	4	b-bc/pr	47	97	47	8	2	-	-	2-3	2-3	1500
	Aldergrove	09.9	+14	W	4	bc	49	65	36	8	3	-	3	4-6	4-6	2000
19	Birr Castle	12.8	+12	WNW	4	pr	51	65	40	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	16.4	+14	NW	4	b-bc/pr	50	65	39	8	2	-	-	2-3	2-3	2500
	Roches Point	14.4	+4	NW	5	bc	53	75	45	8	3	-	-	4-6	4-6	1500

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

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)	12.2	+18	NW	2	zo	53	55	37	6	5	-	-	9+	9+	2500	1	*
Croydon	12.7	+12	N'W	1	zo	50	85	46	5	1	-	-	4-6	10	1800	1	*
S. Farnborough	12.3	+10	NW'W	2	c-bc	52	65	40	8	7	7	9	7-8	7-8	2000	1	*
Boscombe Down	13.4	+18	NW'N	4	bc	52	65	40	8	7	-	-	4-6	4-6	4000	0	*
Thorney Island	12.4	+14	NW	3	c-bc	53	65	44	8	8	-	6	4-6	7-8	2500	0	*
Lympne	11.6	+30	NNW	3	roro	47	92	45	6	5	2	-	4-6	10	700	1	§3
Manston	11.8	+30	N'E	3	rr	47	97	47	6	5	-	-	10	10	900	1	*
Shoeburyness	11.9	+20	NNW	1	c/d	48	85	44	7	-	7	-	0	10	-	1	†
Felixstowe	11.2	+10	N'S	1	c/r	48	92	45	6	8	-	-	10	10	2500	1	1
Gorleston	10.4	+6	SW'S	2	c/r	47	92	45	6	5	-	-	10	10	2000	1	2
Mildenhall	11.1	+10	NW	3	c	51	55	35	8	5	-	-	9+	9+	4300	0	*
Cranwell	11.1	+18	NW	4	c	52	55	35	7	5	-	-	9	9	3000	0	*
Birmingham	12.9	+16	NNW	3	c-bc/pr	49	55	34	7	8	-	-	7-8	7-8	2500	0	*
Upper Heyford	12.3	+22	NW'W	3	c	49	65	38	8	8	6	-	9	9+	4000	0	*
Ross-on-Wye	13.4	+12	WNW	4	b	52	45	32	8	7	-	-	Tr	Tr	3500	1	*
Hartland Point	15.5	+14	WNW	3	b-bc	49	75	37	8	1	4	-	1	2-3	3000	1	3
Bristol	14.1	+18	NNW	3	b	52	55	35	8	2	-	-	1	1	4000	1	*
Portland Bill	13.9	+10	NW	3	bc	52	92	50	8	2	-	-	4-6	4-6	4000	1	2
Plymouth	16.5	+20	NW'N	4	b	51	45	33	8	1	-	-	Tr	Tr	2500	0	2
The Lizard	16.7	+12	NNW	5	bc	50	65	38	8	2	-	-	4-6	4-6	2000	0	3
Scilly (St. Mary's)	17.0	+6	NW	3	bc	53	65	40	8	1	9	-	2-3	4-6	1500	0	3
Guernsey																	
Pembroke	15.6	+10	WNW	3	b-bc	50	75	43	8	2	4	-	2-3	2-3	3000	0	2
Holyhead (Valley)	13.9	+4	W	3	b-bc	50	65	39	8	3	6	-	1	2-3	3500	0	3
Chester (Sealand)	12.7	+14	WNW	4	b-bc	50	65	37	8	8	-	-	2-3	2-3	3000	0	*
Manchester	14.1	+14	W'N	4	bc	48	65	35	7	2	6	-	4-6	4-6	2000	0	*
Spurn Head	09.9	+8	WNW	5	c	52	65	39	7	7	7	-	4-6	9+	2100	0	3
Catterick (Sc)	10.0	+10	W	4	bc	51	55	35	8	8	-	-	4-6	4-6	3000	0	*
Tynemouth	09.0	+14	W	5	b-bc	52	45	32	7	2	-	-	2-3	2-3	2800	0	4
St. Abbs Head	07.2	+12	WNW	4	b-bc	49	75	41	7	1	-	-	2-3	2-3	4000	0	4
Leuchars	07.5	+24	WNW	3	bc	53	45	31	9	2	-	-	4-6	4-6	3000	0	*
Renfrew (Abbots I.)	09.9	+20	WNW	4	b-bc	47	75	38	8	3	-	6	2-3	2-3	2000	1	*
Eskdalemuir	09.9	+18	WNW	4	b-bc	45	55	29	8	8	-	-	2-3	2-3	2300	0	*
Point of Ayre	12.3	+20	WNW	3	bc	49	75	40	8	8	-	-	4-6	4-6	3000	0	3
Tiree	10.4	+14	WNW	4	b-bc	48	75	35	9	3	6	3	1	2-3	3000	0	3
Stornoway	06.2	+20	WSW	5	c-bcjp	47	85	45	8	3	4	-	4-6	7-8	2500	1	3
Dalwhinnie	08.0	+20	WSW	3	pr	41	65	32	8	5	-	-	9+	9+	2500	1	
Aberdeen	06.1	+18	NW'N	3	b-bc	48	55	32	8	2	6	-	2-3	2-3	4000	0	2
Wick	05.0	+22	WNW	3	bc	46	65	35	9	8	-	-	4-6	4-6	2000	1	*
Sumburgh	02.0	+26	W'N	4	bc	44	75	35	9	1	-	9	4-6	4-6	2500	1	3
Blacksod Point	14.7	+6	W'N	4	bc	49	65	38	8	8	-	-	4-6	4-6	2500	1	3
Malin Head	11.3	+16	W	4	bc	48	65	38	8	2	-	-	4-6	4-6	2500	1	4
Aldergrove	12.6	+22	WNW	3	c-bc	49	55	35	9	2	4	-	4-6	7-8	2500	1	*
Birr Castle	14.8	+16	WNW	3	pr	50	65	39	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	17.8	+6	WNW	3	c-bc	49	65	37	8	2	-	-	7-8	7-8	2500	1	3
Roches Point	16.4	+10	N'W	5	b-bc	52	75	44	8	2	-	-	2-3	2-3	2500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 19th (39)	13h.—18h. 19th (40)	18h. 19th to 1h. 20th (41)	1h.—7h. 20th (42)
London (Kew)	bccido	roczo	cbcbw	bmox
Croydon		cmodo dr ror oc	cmobmo	bmox
S. Farnborough	cdrodmo	cmoromoc	b	bx
Boscombe Down	bcmocdrmo	crromoc	cbcb	bmowx
Thorney Island	bccpro	cbc	bcbwbmow	bwbfgx
Lympne	crirbcmo	bcycrorom	crmocmobmo	bmmowx
Manston	cmobczo	bcmocidro	bbcmo	bmob
Shoeburyness	bcmzybc	bcm	bcbmo	bzo
Felixstowe	ccmo	crrmocmo	cmb	bbmo
Gorleston	cororo	crorocz o	bcbw	bzo
Mildenhall	cmocrorom o	c	cbcb	bmo
Cranwell		cy	cbzbmo	bmo
Birmingham	orobc	bccpro	b	bxmo
Upper Heyford	cmocdodmo	cdodbc	cbcb	b
Ross-on-Wye	rorocbc	cybcy	bybr	bx
Hartland Point	cirocbc	bcb	b	bw
Bristol	cirocrorom o	bczobcy	bmow	bmowbmoxfg
Portland Bill	co	cbc	bb	bb
Plymouth	cidomo	cbcy	bbmo	bmoxbm
The Lizard	cidbc	bc	bw	bw
Scilly (St. Mary's)	docbcy	bc	bcbw	bwbc
Guernsey				
Pembroke	bc	bcq	b	bbc
Holyhead (Valley)	prjp	bc	b	bwx
Chester (Sealand)	cbcy	bcy	bc,b	bmo
Manchester	bcmozy	bcy	bcbzmo	bmobcx
Spurn Head	cbc	cproc	b	bmo
Catterick (Sc)	bc	bc	b	bbc
Tynemouth	bccbc	bcb	bcb	bbcmo
St. Abbs Head	cbc	bcbbv	bcb	bbvc
Leuchars	bcy	bcproy	bcybbcc w	cbc
Renfrew (Abbots I.)	cprobc	bc	bcprcbc	bcc
Eskdalemuir	cphprobc	bcphoby	byvb	bbcxmo
Point of Ayre	bbc	bcpro	bcb	bbcc w
Tiree	bc	bcb	bbcc	ciroc
Stornoway	cprophr	bcprocjpro	c	crorrroro
Dalwhinnie	cprs	cpr		cbcpro o
Aberdeen	bbccbcjp	bcqprobcy	bcyb	bcc
Wick	cpro	bc mcx	bc	c
Sumburgh	proc	bc	bcprhbcc	crriro
Blacksod Point	bc	bc	bc	r
Malin Head	pr	pr	b	c
Aldergrove	cprohrbc	bcycy	cybcy	bbcc
Birr Castle	pr	pr	•	c
Valentia Obsy.	pr	bc	e	bc
Roches Point	pr	pr	bc.	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 20th April

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England	Light to moderate southwest breeze backing south to southeast fine; rather warm by day, rather cold at night with ground frost in places.
6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate southwest winds; fair at first, becoming mainly cloudy with some light local rain later; rather warm by day
10 N.E. England; 11 S.E. Scotland	Moderate south west to south wind; fair; average temperature.
12 S.W. Scotland & Isle of Man	As 6-9
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Wind southwest, fresh to strong locally on the coasts, veering; cloudy, occasional rain mostly slight, bright intervals tomorrow; rather cold.
16 Orkneys and Shetlands; 17 N.W. Ireland; 18 N.E. Ireland	As 13A-15
19 S.E. Ireland; 20 S.W. Ireland	Moderate to light southerly winds; mainly fair but cloudy periods; average temperature.

GENERAL INFERENCE

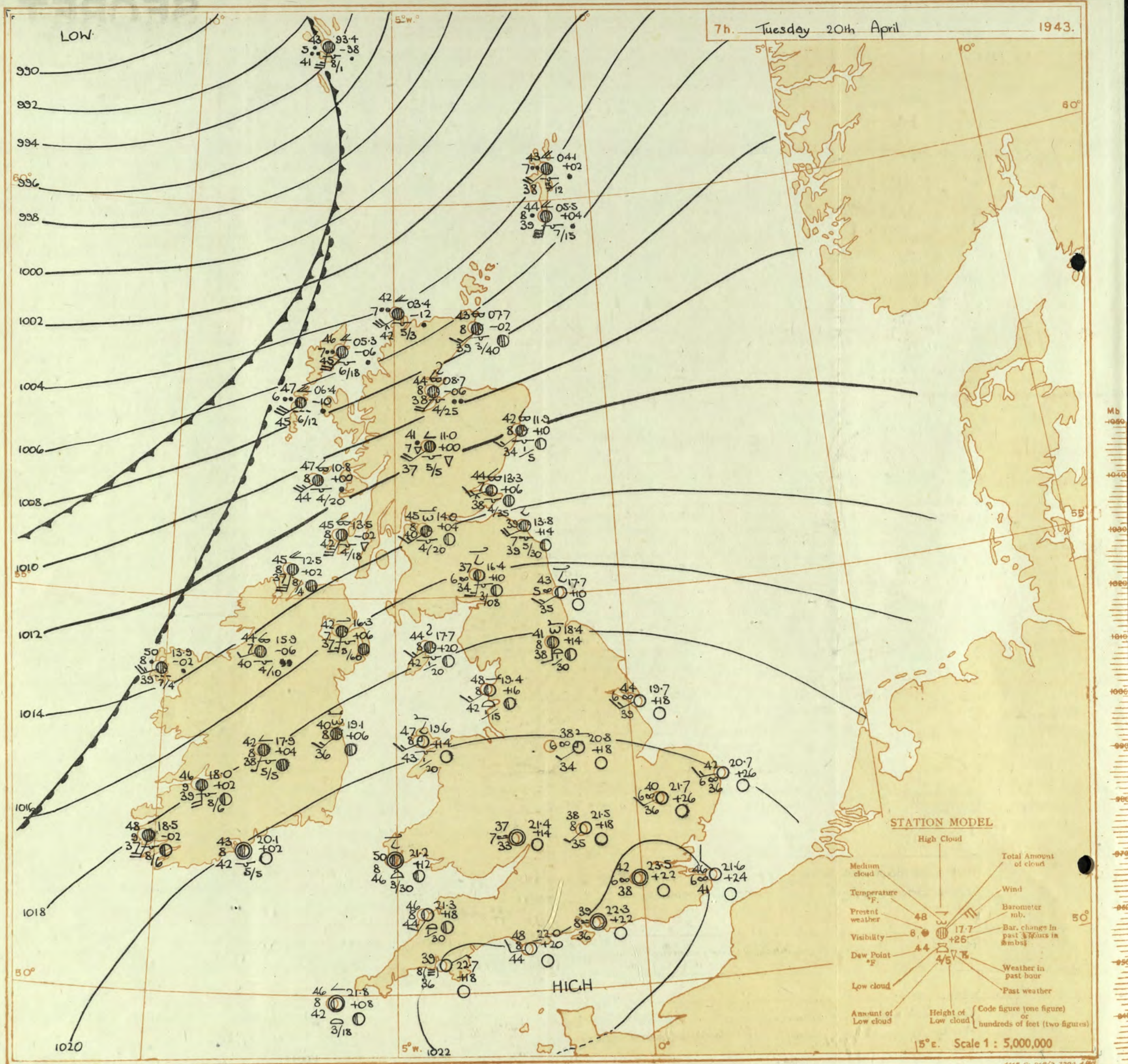
Ananticyclone over Southern England and a depression centred south of Iceland are both moving eastwards. Weather will be mainly fine over most of England but there will be some occasional rain in the northwestern half of the country. Conditions will be rather cold in the North today but day temperatures will probably rise tomorrow.

FURTHER OUTLOOK

None issued.

Forecasts issued at 1030

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


7h. Tuesday 20th April 1943.
LOW
HIGH
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in mbs.
Weather in past hour
Past weather
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Scale 1 : 5,000,000

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).

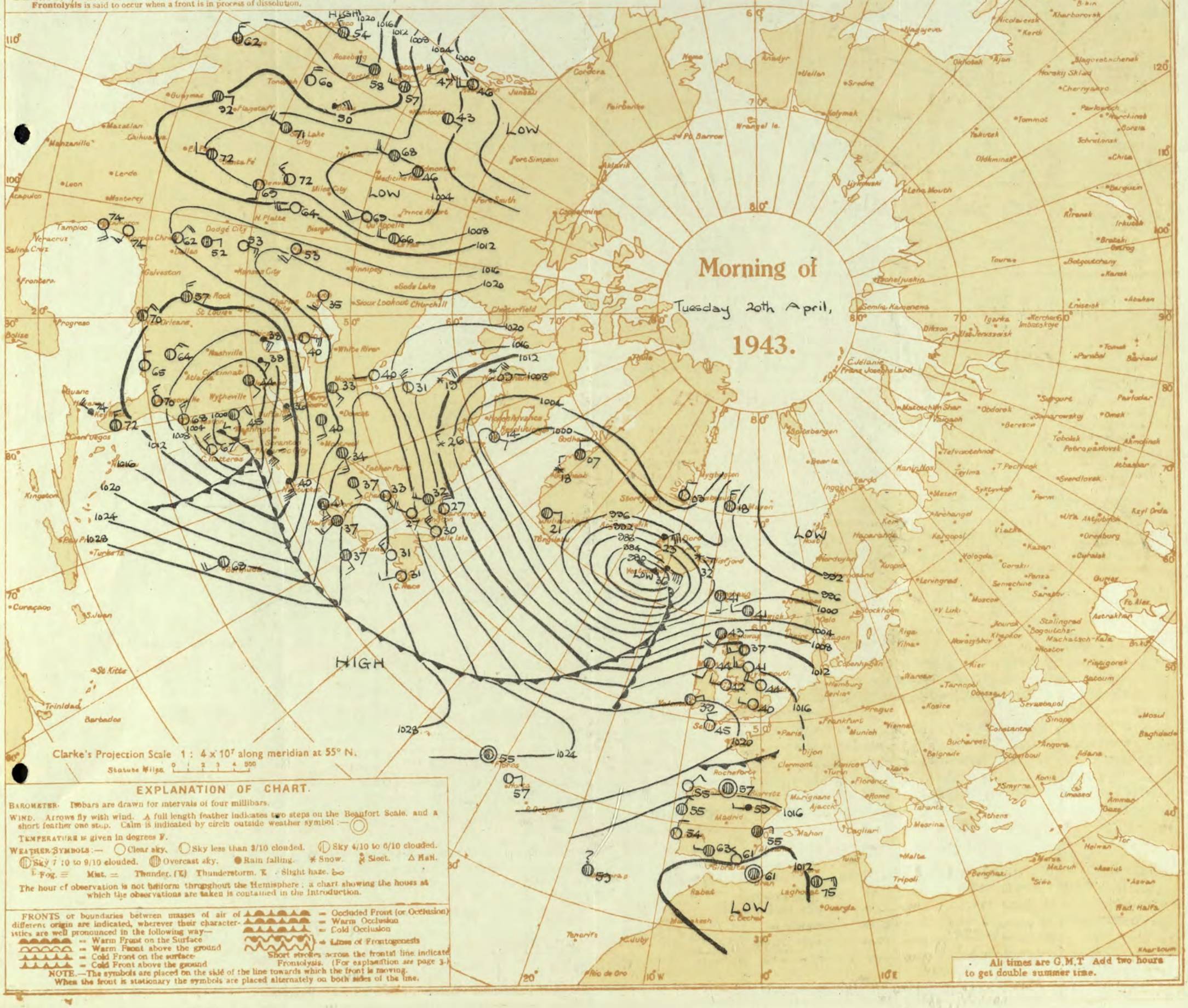
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Tuesday 20th April 1943

No. 29734

OBSERVATIONS at 1 hr. G.M.T. 20th April

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	19·7	+26	W'N	1	z_0	40	85	38	6	-	-	-	0	0	-
	S. Farnborough	226	19·5	+28	W	2	b	37	85	35	8	-	-	-	0	0	-
	Boscombe Down	417	19·9	+22	NW	1	b	39	75	31	7	-	-	-	0	0	-
	Thorney Island	10	19·0	+24	NW'W	3	b	40	85	34	7	-	-	-	0	0	-
	Lympne	283	18·4	+26	NNW	1	m	38	92	35	4	-	-	-	0	0	-
	Manston	154	17·3	+22	NW	2	z_0	45	85	40	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17·1	+26	NW'W	3	b	45	75	37	7	-	-	-	0	0	-
	Gorleston	5	15·7	+2	W'N	2	b	43	75	36	7	-	-	-	0	0	-
	Mildenhall	15	17·6	+26	W'S	3	z_0	37	85	33	6	-	-	-	0	0	-
	Cranwell	203	17·2	+24	W'N	2	z_0	40	85	35	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·5	+22	NW	1	b	38	85	34	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·1	+12	WNW	2	b	48	85	45	8	1	-	-	Tr	Tr	4000
	Bristol	209	20·2	+20	-	0	b	37	85	33	7	5	-	-	1	1	1500
	Portland Bill	32	18·6	+8	N	2	b	47	85	43	8	-	-	-	0	0	-
	Plymouth	82	20·6	+14	ESE	1	z_0	41	85	37	6	-	-	-	0	0	-
	The Lizard	240	20·3	+10	N	2	b	42	92	40	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	20·6	+12	NNW	2	b	45	85	40	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	19·7	+4	NW	3	b	47	85	42	8	-	3	-	0	Tr	-
7	Holyhead (Valley)	32	17·8	+12	W	2	b	42	92	40	8	-	-	-	0	0	-
	Chester (Sealand)	16	17·7	+18	-	0	b	38	85	33	8	-	-	-	0	0	-
8	Manchester	235	17·5	+18	S	3	z_0	38	92	36	6	-	-	-	0	0	-
10	Spurn Head	29	16·0	+22	W'N	4	b	44	75	38	7	-	-	-	0	0	-
	Catterick (Sc)	192	15·7	+18	S	1	b	39	85	34	8	-	-	-	0	0	-
	Tynemouth	108	14·5	+20	W	3	b	41	75	34	7	-	-	-	0	0	-
11	St. Abbs Head	280	11·8	+16	W	4	b-bc	43	85	39	7	4	-	-	2-3	2-3	4000
	Leuchars	36	12·2	+14	WSW	3	c-bc	39	75	34	9	-	4	8	0	7-8	-
12	Renfrew (Abbots I.)	19	13·1	+6	SW	3	bc	41	85	48	7	8	-	-	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15·6	+10	NW'W	4	b	45	85	40	8	*	*	*	*	*	*
13A	Tiree	44	11·3	0	SW	3	c-bc	45	85	40	8	8	-	-	7-8	7-8	3000
13B	Stornoway	15	07·6	-4	SSW	4	c	43	92	42	7	3	4	7	1	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·5	+14	WSW	3	b-bc	37	85	32	9	-	4	1	0	2-3	-
	Wick	114	07·8	+6	SW	3	b	37	85	33	8	-	3	-	0	1	-
16	Sumburgh	19	05·0	+10	W'S	5	c	44	75	37	8	2	6	8	2-3	9	2000
17	Blacksod Point	18	15·5	-6	WSW	4	c	48	75	40	8	8	-	-	9+	9+	2500
18	Malin Head	84	13·1	+2	SSW	4	bc	44	75	37	8	9	-	-	4-6	4-6	2500
	Aldergrove	268	15·9	+6	SW'S	1	b	39	85	36	8	-	4	-	0	Tr	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·4	-2	NE'E	1	bc	39	92	37	9	5	-	-	4-6	4-6	2500
	Roches Point	22	19·7	+6	N	3	b	45	85	41	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 20th April — 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 19th Hrs. (38)
London (Kew)	22·5	+28	SW	1	z_0	44	85	36	5	-	-	-	0	0	-	1	*	58	38	21	1	Tr	3·4
Croydon	23·5	+22	-	0	z_0	42	85	38	6	-	-	-	0	0	-	1	*	62	35	28	2	Tr	5·2
S. Farnborough	22·6	+22	-	0	b	36	92	34	8	-	-	-	0	0	-	1	*	60	31	18	1	Tr	3·5
Boscombe Down	22·9	+22	-	0	z_0	40	85	34	6	-	-	-	0	0	-	0	*	54	32	25	1	-	5·8
Thorney Island	22·3	+22	-	0	fg	39	92	36	8	-	-	-	0	0	-	0	*	63	35	26	Tr	Tr	*
Lympne	22·1	+26	NW	2	z_0	43	75	37	6	-	-	-	0	0	-	1	§ 2	63	35	30	4	0·2	4·0
Manston	21·6	+24	NWN	2	z_0	46	75	41	6	-	-	-	0	0	-	1	*	61	38	28	2	Tr	
Shoeburyness	22·1	+26	NW	2	z_0	44	75	37	6	-	-	-	0	0	-	1	*	64	37	28	1	-	2·6
Felixstowe	21·4	+26	WNW	3	z_0	43	85	37	6	-	-	-	0	0	-	0	2	59	40	35	3	-	3·8
Gorleston	20·7	+26	W	3	z_0	42	75	36	6	-	-	-	0	0	-	1	2	52	32	31	2	-	2·0
Mildenhall	21·7	+26	WSW	2	z_0	40	85	36	6	-	-	-	0	0	-	1	*	53	35	28	2	Tr	0·2
Cranwell	20·6	+22	W'S	3	z_0	42	85	36	6	-	4	-	0	Tr	-	0	*	55	37	33	0·1	-	3·0
Birmingham	21·2	+14	SSW	3	m	40	85	36	4	-	-	-	0	0	-	0	*	54	37	29	0·2	-	2·1
Upper Heyford	21·5	+18	SW'S	1	b	38	92	35	8	-	-	-	0	0	-	0	*	54	34	(28)	1	-	*
Ross-on-Wye	21·4	+14	-	0	fg	37	85	33	7	-	-	-	0	0	-	0	*	54	32	25	3	-	4·6
Hartland Point	21·3	+18	SSW	2	b-bc	46	92	44	8	1	-	-	Tr	2-3	3000	0	3	50	42	37	1	-	7·8
Bristol	22·7	+18	-	0	fg	38	97	38	6	-	-	-	0	0	-	0	*	55	32	24	3	Tr	5·0
Portland Bill	22·0	+20	W	2	b	48	85	44	8	-	-	-	0	0	-	1	2	54	46	*	-		*
Plymouth	22·7	+18	ENE	1	bjf	39	92	36	8	-	-	-	0	0	-	0	1	55	35	24	Tr	-	6·0
The Lizard	22·0	+8	-	0	b-bc	46	92		8	4	-	-	2-3	2-3	2500	0	2	56	41	*	0·3	-	6·7
Scilly (St. Mary's)	21·8	+8	-	0	b-bc	46	85	42	8	1	1	-	2-3	2-3	1800	0		55	43	*	1	-	7·4
Guernsey																							
Pembroke	21·2	+12	-	0	bc	50	85	46	8	2	4	1	2-3	4-6	3000	0	2	52	44	*	-	Tr	9·4
Holyhead (Valley)	19·6	+14	SW'W	3	b	47	85	45	8	5	4	5	Tr	1	2000	1	1	54	38	28	-	-	*
Chester (Sealand)	19·9	+18	SSW	1	b	40	85	35	6	-	-	5	0	Tr	-	0	*	52	37	28	-	-	11·5
Manchester	20·3	+16	S	3	z_0	39	85	35	6	-	-	1	0	1	-	0	*	53	36	28	-	-	*
Spurn Head	19·7	+18	W'S	3	z_0	44	85	39	6	-	-	-	0	0	-	0	3	54	41	*	Tr	-	6·8
Catterick (Sc)	18·4	+14	S	2	c-bc	41	92	38	8	1	3	5	Tr	7-8	3000	0	*	*	33	28	-	-	10·1
Tynemouth	17·7	+10	SW	3	z_0	43	75	35	5	-	4	1	0	2-3	-	0	3	53	40	35	-	-	*
St. Abbs Head	13·8	+14	SW	4	c	39	97	39	7	5	4	-	7-8	9	3000	0	4	52	37	*	-	-	
Leuchars	13·3	+6	W'S	3	c-bc	44	75	38	7	5	7	-	4-6	7-8	3500	0	*	55	38	22	Tr	-	1·3
Renfrew (Abbots I.)	14·0	+4	SW	3	c	45	85	40	8	5	3	8	4-6	9	2000	1	*	52	40	28	1	0·3	10·7
Eskdalemuir	16·4	+10	S'W	3	z_0	37	92	34	6	5	4	1	2-3	4-6	800	0	*	50	33	27	1	-	7·3
Point of Ayre	17·7	+20	SW'W	3	c	44	92	42	8	5	-	6	Tr	9+	2000	0	4	56	37	*	Tr	-	10·3
Tiree	10·6	0	SW	5	c	47	92	44	8	5	7	-	4-6	10	2000	1	4	50	35	26	-	1	10·3
Stornoway	05·3	-6	SSW	5	r_0r_0	46	97	45	7	5	2	-	9	10	1800	1	4	51	43	37	1	2	4·7
Dalwhinnie	11·0	0	SW	4	pr	41	85	37	7	5	1	-	7-8	10	2500	1	*	48	35	29	3	0·5	7·6
Aberdeen †	11·9	+10	SW'S	3	c	42	75	34	8	5	7	-	Tr	9+	2500	0	2	55	38	35	0·2	-	11·5
Wick	07·7	-2	SW	3	c	43	86	39	8	5	7	-	2-3	9+	4000	0	*	50	46	31	0·4	-	*
Sumburgh	05·5	+4	SSW	6	ir_0	44	85	39	8	5	2	-	9+	10	1500	1	3	47	40	32	3	4	9·1
Blacksod Point	13·9	-2	SW'W	5	ir_0	50	65	39	8	6	-	-	9+	9+	1500	1	4	51	45	*	1	Tr	*
Malin Head	12·5	+2	S'W	5	c	45	75	38	8	-	2	-	10	10	1500	1	4	51	43		0·6	0·2	9·7
Aldergrove	16·3	+6	S'W	3	c	42	85	37	7	5	-	1	7-8	9	6000	1	*	52	37	33	1	-	10·7
Birr Castle	17·9	+4	SSW	1	c	42	85	38	8	5	1	-	7-8	10	2500	1	*	55	37	31	0·4	0·1	9·7
Valentia Obsy.	18·5	-2	SSW	4	o	48	65	37	9	5	-	-	10	10	4000	0	3	51	39	34	2	Tr	9·1
Roches Point	20·1	+2	-	0	c-bc	43	97	42	8	5	-	-	7-8	7-8	2500	1	3	54	40	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 19th April C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 20th April C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
109	9-	81846	60486	36	01853	25413	3-	27743	24383	51	22765	18566
115	32	02844	61586	37	27844	59587	51	02844	55527	52	62735	63668
203										6-	64738	16668
206	36	25854	26384	3-	10954	24384	40	25864	22284	57	22854	18487
210	36	81844	59485	2-	02955	60385	06	01990	19301	07	02990	19-28
219	30	01853	24513	20	01853	24483	30	02953	19588	62	62646	19668
230	3-	27865	26485	36	01964	26314	53	01954	21285	62	62645	20488
245	20	01964	57504	8-	02965	25315	04	01990	22318	57	02651	21952
260	2-	01864	20414				00	01790	24401	54	02851	18315
278	56	01844	27484	26	01852	28513	00	00890	22300	47	01852	23227
279	36	10855	22526	26	01853	25383	26	01851	23212	17	02844	20416
285										53	02744	26417
288	80	01854	22524	40	01963	28413	00	00890	10200	23	02851	18351
575	30	02854	28384	26	01853	28213	50	01751	18101	57	21744	22158
301	20	01853	28413	86	01863	28413	00	00890	26310	10	01841	20314
321	8-	05657	26427	86	02763	26424	00	05590	24200	00	08490	16101
2.?				84	01754	02314	00	00790	24300	04	05690	22313
292				20	01954	24414	00	00890	22210	54	05561	20112
310	--	01625	24415									
614	7-	05656	2----	70	01762	28312	00	05690	24100	00	08490	22410

III	13h. G.M.T. 19th April C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 20th April C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
333	24	01863	26423	23	01962	23213	00	00890	00000	20	04862	02105
334	--	02744	28315							--	05690	00010
340	7-	02957	30227	80	01954	28214	00	00890	18110	00	01890	18100
136	5-	22644	23268	5-	05667	25327	00	05690	25410	00	05590	22200
336				10	01764	28414				50	05544	20314
350	62	62645	27268	5-	02766	27366	00	05690	23110	00	05690	18101
368	80	02854	26265	20	01863	58413	00	00790	00000	00	05690	00000
379	27	22655	30267	43	02744	30225	00	00890	28300	00	00890	24100
390	52	52436	10449	08	05690	26267	00	05690	26320	00	05690	24200
382	62	62635	31368	5-	02866	29326	00	00890	00000	00	00790	00000
438	24	01753	24413	5-	81658	26328	00	00790	32400	00	05690	02300
430	20	10856	24316	20	02753	30224	00	00790	26100	00	05690	30100
409	10	01854	63424	10	01853	30413	10	01851	30201	10	01951	18103

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 20th April
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	bcidrc	czbcbw	bmx
Croydon	cmddrrc	crbm	bmx
Greenwich	bccy	crrc	cbxby
Camden Square	c		*
Kensington	bccr	crcbc	*
Hampstead	bcor	b	b

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·3 Time 6-7h 20th. Min. <0·1 Time 7-13h 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 13h % Yesterday	Humidity 9h % To-day
Kew	58	38	21	1	Tr	3·4	*	*
Croydon	62	35	28	2	Tr	5·2	*	*
Greenwich	61	37	27	2·0	-	3·2	89	56
Westminster	61	38	32	1·8			87	60
Regents Park	57	39	26	1·6	-		89	60
Camden Square	60	40	30	1·5	-	*	*	59
Kensington	62	37	28	1·7	Tr		77	65
Hampstead	60	38	32	1·8	-		*	56

BRITISH SECTION

Wednesday 21st April

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

SECRET

Wednesday 21st April 1943

No. 29735

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22.9	−4	SW	2	c-bc	57	45	34	8	1	–	6	1	7-8	–
	Croydon	23.5	−20	SWW	1	bc	60	45	39	8	1	–	6	1	4-6	3000
	S. Farnborough	22.8	−2	S	2	bc	61	35	34	8	1	4	4	1	4-6	2500
	Boscombe Down	22.9	−2	SWS	3	bc	59	45	35	8	1	–	1	4-6	4-6	3500
	Thorney Island	23.6	+2	S	3	b-bc	55	65	44	8	2	–	1	1	2-3	4000
	Lympne	23.8	0	SE	3	b	53	55	36	7	1	–	–	Tr	Tr	3000
	Manston	23.8	+2	SE	bc	bc	55	65	42	8	1	–	6	Tr	4-6	2500
2	Shoeburyness	23.8	+6	SSE	4	c	55	55	41	7	–	–	2	0	7-8	–
	Felixstowe	23.7	+2	SSE	4	c-bc	56	55	39	8	1	–	2	1	7-8	4000
	Gorleston	22.8	+6	SE'S	5	b-bc	50	65	38	7	1	–	5	1	2-3	3000
	Mildenhall	22.6	0	W'S	3	c	59	35	33	8	1	–	2	2-3	9	2500
	Cranwell	21.3	0	WSW	4	bc	59	35	34	7	1	–	5	4-6	4-6	4000
3	Birmingham	21.9	0	SW	3	c-bc	54	55	39	8	5	–	–	7-8	7-8	4000
	Upper Heyford	22.1	−4	SWS	3	c	58	35	34	9	1	–	6	2-3	9	3000
4	Ross-on-Wye	21.9	+4	SW	4	b-bc	56	45	35	8	1	–	1	2-3	2-3	4000
5	Hartland Point	21.8	0	WSW	3	b-bc	52	75	45	8	1	4	2	1	2-3	3500
	Bristol	23.0	+2	SW	3	bc	58	55	40	8	1	–	1	4-6	4-6	2500
	Portland Bill	24.1	0	E	2	bc	53	85	49	8	2	–	–	4-6	4-6	4000
	Plymouth	23.0	0	SSW	3	b-bc	54	85	52	9	1	–	5	2-3	2-3	3000
	The Lizard	22.3	0	SSE	3	bc	55	65	42	8	2	3	–	4-6	4-6	2500
	Scilly (St. Mary's)	21.7	−2	SES	2	bc	57	55	42	8	1	6	–	2-3	4-6	1800
	Guernsey															
6	Pembroke	21.9	+6	SW	3	b-bc	53	75	46	8	2	4	8	2-3	2-3	3000
7	Holyhead (Valley)	20.6	+2	SWS	5	b-bc	53	65	43	9	1	4	5	1	2-3	4000
	Chester (Sealand)	20.5	+2	SW	3	bc	60	35	33	8	1	–	–	4-6	4-6	3500
8	Manchester	21.2	+8	SW	4	c-bc	57	45	33	8	2	–	–	7-8	7-8	2500
10	Spurn Head	20.8	0	SWW	4	c-bc	56	45	36	7	2	3	–	4-6	7-8	4000
	Catterick (Sc)	19.0	+12	WSW	4	c-bc	55	55	38	8	1	–	8	4-6	7-8	3000
	Tynemouth	18.1	+2	WSW	4	c-bc	53	45	34	7	8	–	–	7-8	7-8	2300
11	St. Abbs Head	15.0	+4	SW	4	c-bc	52	75	45	7	5	7	–	7-8	7-8	3000
	Leuchars	13.7	+2	WSW	6	c	53	65	40	7	8	7	–	7-8	9+	2000
12	Renfrew (Abbots I.)	14.7	+2	SSW	4	c	53	65	42	7	7	3	6	7-8	9+	1400
	Eskdalemuir	16.8	0	SWS	6	c	47	65	38	8	5	–	–	9+	9+	1800
	Point of Ayre	18.4	+4	W	6	c	57	48	37	8	8	3	8	4-6	9	2500
13A	Tiree	11.4	+2	SSW	5	c/r	50	85	46	7	5	7	–	4-6	10	1500
13B	Stornoway	06.2	+4	SW	6	r.r.	48	97	49	7	5	2	–	7-8	10	1500
15	Dalwhinnie	10.4	+6	SW	4	pr	44	85	40	7	5	–	–	10	10	2500
	Aberdeen	12.4	+4	SW	4	c	52	55	38	8	5	4	7	7-8	9+	5800
	Wick	07.5	+6	SSW	4	c	54	65	43	9	5	–	–	9	9	2500
16	Sumburgh	05.1	0	S'W	7	ir.	47	85	43	8	5	2	–	9	10	1500
17	Blacksod Point	13.8	−2	SSW	5	c	52	65	41	8	6	–	–	10	10	2500
18	Malin Head	12.5	+2	SW	6	c/r	51	65	40	8	5	2	–	4-6	10	1500
	Aldergrove	16.3	−2	SSW	4	c	51	65	40	7	5	2	–	9	9+	2500
19	Birr Castle	17.6	−6	SSW	3	c	53	65	42	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	17.9	−6	SSW	5	c	52	65	41	8	7	–	–	10	10	4000
	Roches Point	19.5	−6	SW	3	bc	55	75	47	8	3	3	–	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 20th April — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F Temp. (21)	% Humid. (22)	°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)	Weather 7h.–13h. 20th (39)	Weather 13h.–18h. 20th (40)	Weather 18h. 20th to 1h. 21st (41)	Weather 1h.–7h. 21st (42)
London (Kew)	21.5	−6	SSW	2	b	58	55	40	8	–	2	–	0		–	0	*	bm.bcy	bcby	b	bxbm.
Croydon	22.7	−2	SSW	2	b	57	55	42	8	–	–	1	0	1	–	0	*	bcy	bcycy	byb	bm.o
S. Farnborough	21.5	−6	S'E	2	b	57	45	37	8	–	3	–	0	Tr	–	0	*	bcy	bcyby	byzb	bbmz.
Boscombe Down	21.5	−6	SE'S	3	b	55	45	36	8	–	–	–	0	0	–	0	*	cm.bcy	b	byb	bmbc
Thorney Island	22.3	−10	SE'E	2	b	53	55	38	8	–	–	1	0	Tr	–	0	*	bbc	bcyby	b	b
Lympne	23.0	−8	–	0	b	51	65	37	7	–	–	1	0	1	–	0	§2	bm.by	bbcy	bybbm.b	bbm.
Manston	23.2	−6	SE	2	bc	52	65	37	7	–	–	8	0	4-6	–	0	*	b	bc	bcb	bm.
Shoeburyness	22.5	−6	SE	4	b-bc	55	55	39	8	–	–	2	0	2-3	–	0	*	b	bc	bcb	bw
Felixstowe	22.7	−6	SSE	4	b-bc	50	65	38	8	–	–	2	0	2-3	–	0		bybcy	bcyb	b	bbc
Gorleston	22.3	−2	SSE	4	b	52	65	39	7	–	4	–	0	1	–	0	4	bc	bm.	b	b
Mildenhall	21.4	−6	S'E	3	b	57	45	37	8	–	–	–	0	0	–	0	*	bbc	by	b	bbm.xb
Cranwell	20.1	−6	SSW	4	b	58	55	45	8	–	–	1	0	1	–	0	*	bbcy	bcyb	byb	bm.cm.bm.
Birmingham	20.1	−6	SSW	2	b	57	45	37	8	–	–	–	0	0	–	0	*	bbc	bcb	b.	cfx
Upper Heyford	20.5	−12	SSW	2	b	58	45	36	8	–	–	–	0	0	–	0	*	bbcycy	cbcby	bybbz.	bbzbm.
Ross-on-Wye	20.2	−6	SSW	3	b	57	45	37	8	–	–	–	0	0	–	0	*	bbcy	by	byb	bx.
Hartland Point	19.2	−16	NNE	2	b	50	85	45	8	1	–	–	Tr	Tr	3000	0	3	bbc	bcb	b	b
Bristol	21.2	−10	S	2	b	57	55	39	8	–	–	1	0	Tr	–	0	*	bc	bcyby	byb	bwbxbm.
Portland Bill	20.8	−18	E	2	bc	50	92	48	8	2	–	–	4-6	4-6	4000	1	2	bc	bc	bb	bc
Plymouth	20.6	−18	SE	3	z.	54	45	34	5	–	–	–	0	0	–	0	1	bbc	bcbby	byb	bbc
The Lizard	18.8	−24	E'N	4	b	52	65	39	8	–	–	–	0	0	–	0	3	bc	bcb	b	bbo
Scilly (St. Mary's)	18.9	−18	ESE	3	b-bc	53	65	41	9	1	–	–	2-3	2-3	1800	0	2	bcb	bcbcb	b	bbcc
Guernsey																					
Pembroke	19.7	−10	SW	2	b-bc	51	85	46	8	–	4	8	0	2-3	–	0	2	bc	bc	bc	bcw
Holyhead (Valley)	19.3	−6	SSW	3	b-bc	51	75	43	9	1	4	5	Tr	2-3	3000	0	3	bcb	b	b,c	cybw
Chester (Sealand)	19.0	−10	SW	1	b	59	45	38	8	1	3	–	1	1	3500	0	*	bm.cy	bc,by	bz.m.m	bw
Manchester	19.3	−14	SW'S	3	b	57	45	35	8	5	–	–	1	1	3000	0	*	bm.z.bcy	bccbcy	byffz	bz.
Spurn Head	20.3	−2	SW	3	bc	57	85	50	7	7	4	1	2-3	4-6	4000	0	3	bcm.	bc	b	bcz.
Catterick (Sc)	18.8	+4	SW	4	b-bc	53	65	40	8	1	6	8	1	2-3	3000	0	*	cbcy	bcy	bcb	bbm
Tynemouth	18.8	+6	WSW	4	bc	54	65	44	7	2	3	2	4-6	4-6	2400	0	3	bccm.c	cbc	bcbcm.	bm.fp
St. Abbs Head	14.9	−4	SW	4	c	51	85	45	7	4	7	–	4-6	9	2500	0	3	c	c	cbc	bcb
Leuchars	13.9	+2	SW	6	c	51	65	41	7	5	7	–	7-8	9+	3000	0	*	c	ccm.c	cm.c	cbcbw
Renfrew (Abbots I.)	14.2	−4	SSW	4	c	51	65	40	8	7	7	6	7-8	9+	1600	0	*	c	ccid.c	bccm.	cm.bcm.w
Eskdalemuir	17.2	+4	S'W	5	c-bc	46	85	42	8	5	7	–	4-6	7-8	1800	0	*	bc m.c	c	c	cbcbw
Point of Ayre	17.8	−4	SW	4	c	52	65	41	8	4	5	–	Tr	9+	2000	0	3	cbccy	c	cbcc	bccb
Tiree	11.6	+2	SW	5	c	51	85	46	7	5	7	–	4-6	10	2000	0	5	cid.ir.	cir.c	c	obc
Stornoway	06.5	+8	SSW	7	r.r.	48	97	48	7	5	2	–	7-8	10	900	1	5	cr.r.	cr.r.	cr.r.cic	c
Dalwhinnie	12.0	0	SW	4	pr	45	85	38	7	5	–	–	9+	9+	2500	1		ocpr.o	opr.c	*	opr
Aberdeen	13.1	+4	SW	3	c	51	65	40	8	5	–	7	4-6	10	3000	0	2	ccy	cyc	cbc	bcbw
Wick	08.7	+8	SW	4	c/pr	49	75	42	8	5	2	–	7-8	10	2500	1	*	c	pr	cir.c	cic
Sumburgh	06.7	+6	SSW	6	r.r.	46	92	45	7	5	2	–	9	10	2000	1	4	cir.	cr.r.	cr.r.c	c
Blacksod Point	12.9	−10	SSW	6	c	51	75	43	8	8	3	–	7-8	9+	2500	1	4	d	c	c	r
Malin Head	12.7	+2	SSW	4	r.r.	49	85	45	8	5	2	–	4-6	10	1500	1	4	r	r	c	bc
Aldergrove	16.0	+2	S'W	3	c	50	65	37	9	5	4	–	4-6	9+	2500	1	*	c	c	cbc	bccbcb
Birr Castle	16.0	−12	SSW	3	c	52	65	41	8	5	–	–	9	9	2500	1	*	c	c	*	bc
Valentia Obsy.	15.7	−12	S'W	4	c	51	65	42	8	7	–	–	9+	9+	4000	1	4	c	c	c	*
Roches Point	17.5	−14	SW	4	bc	53	75	45	8	5	3	–	1	4-6	1500	0	4	bc	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday, 21st April

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Fresh easterly winds, veering towards south; fair at first but cloud increasing, some rain tonight and tomorrow with a chance of local thunder; rather warm becoming close later
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Fresh easterly winds, strong locally on coasts, veering southerly; rainy conditions spreading from the south, local thunderstorms; becoming very close.
8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Winds light southerly, backing south east, freshening; fine or fair but cloud increasing, some rain rain spreading from the south by tomorrow; local coast fog probable on the East coast later
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate to fresh south west winds backing south to southeast; mainly fair with broken cloud; rather warmer than of late.
16 Orkneys and Shetlands	Fresh or strong southwest winds; cloudy; occasional rain; average temperature
17 N. W. Ireland; 18 N. E. Ireland	As 8-12
19 S. E. Ireland; 20 S. W. Ireland	As 4-7

GENERAL INFERENCE

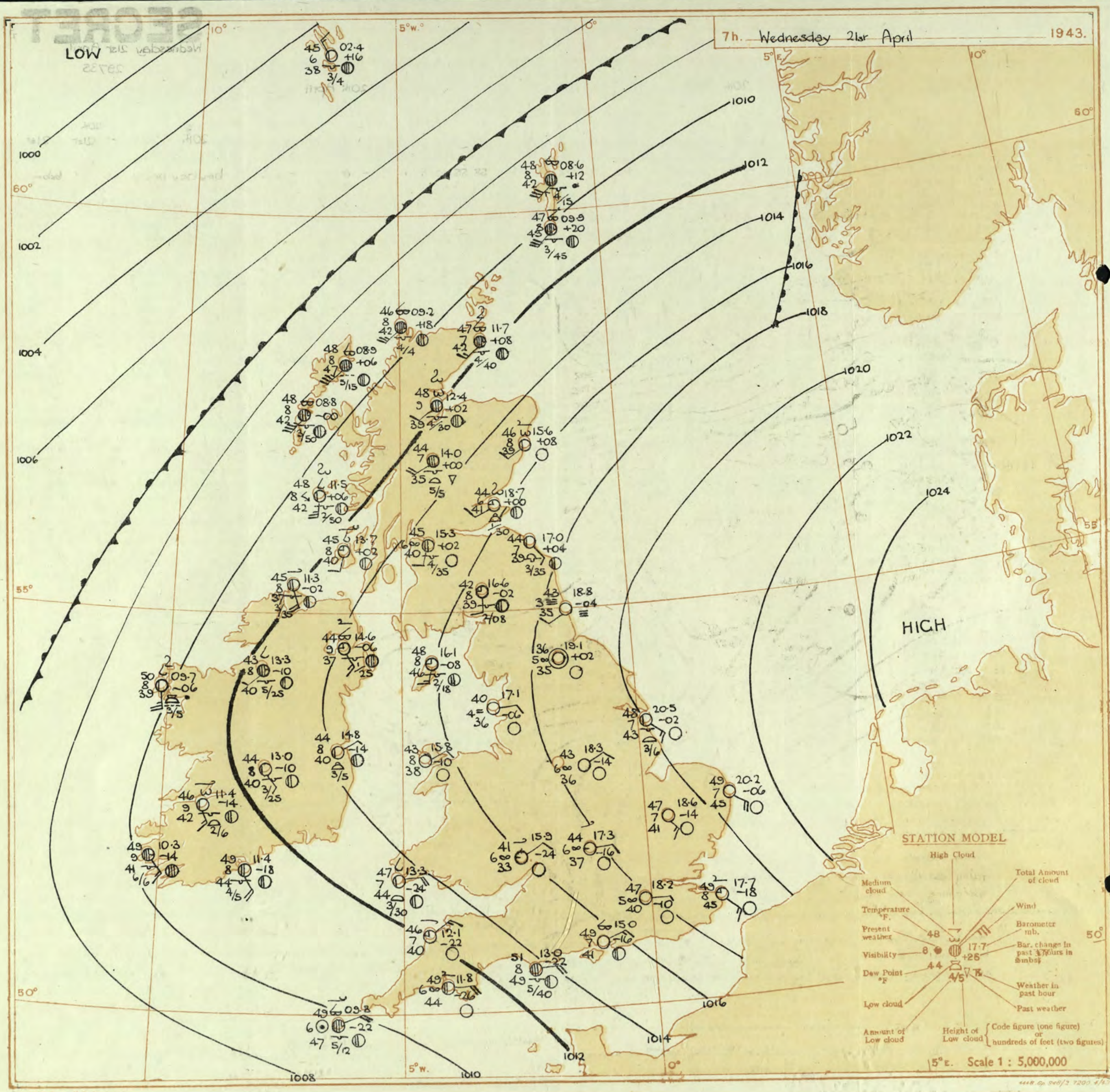
A ridge of high pressure over the British Isles is decreasing in intensity and a depression over the Bay of Biscay will move north. Rain will set in over south west districts later today and spread north and east to affect most of England Wales and Ireland. Some local thunderstorms are not unlikely. Conditions are likely to become rather close especially in the South.

FURTHER OUTLOOK

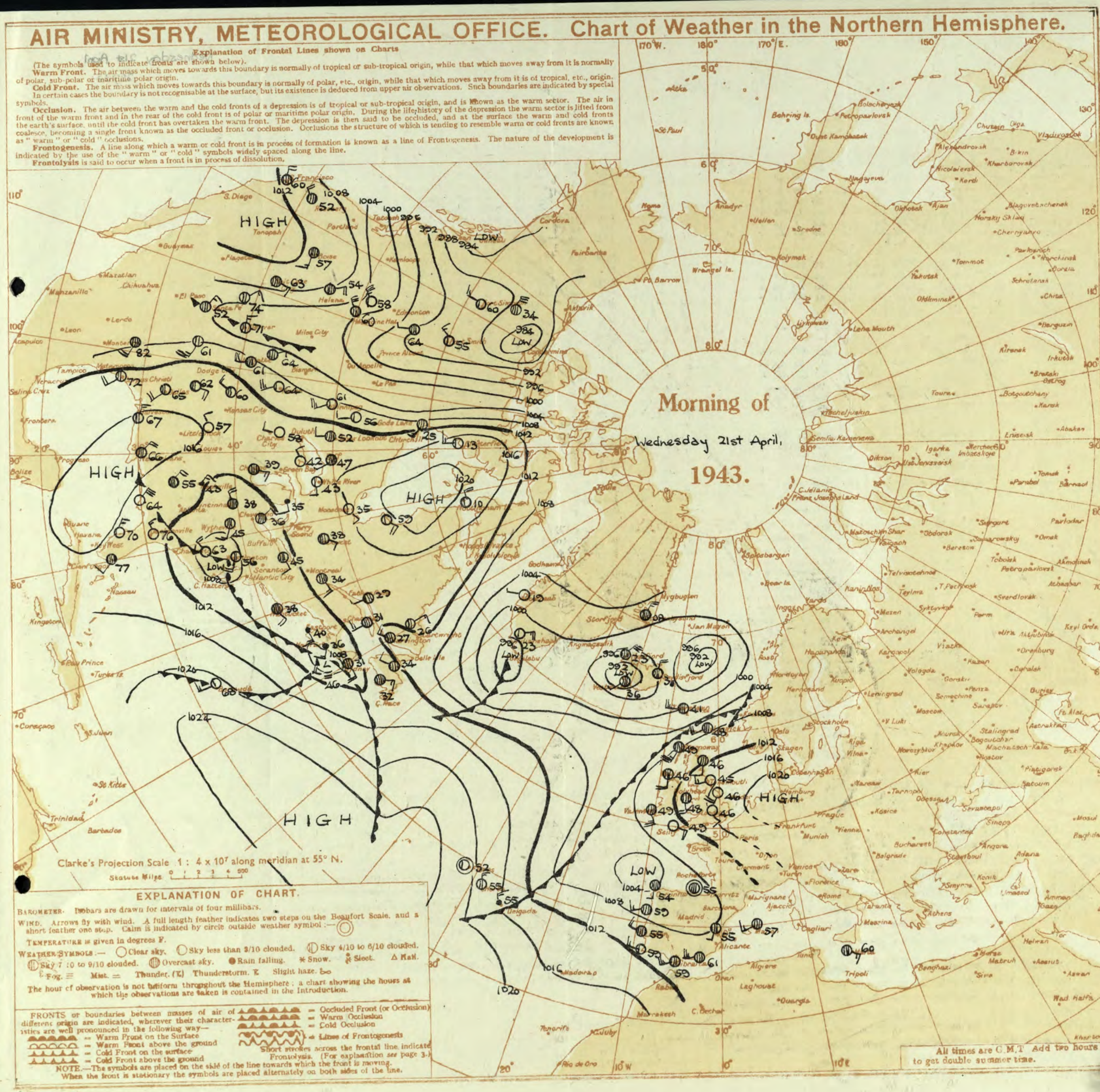
Occasional rain in most areas with brighter periods.

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 21st April 1943.
LOW
HIGH
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
10°
5°W.
0°
5°E.
60°
55°
50°
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in mbs.
Weather in past hour
Past weather
Scale 1 : 5,000,000

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.

Wednesday 21st April 1943

No. 29735

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

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	21·1	-12	SE'S	2	b	46	65	36	7	-	-	-	0	0	-
	S. Farnborough	226	20·2	-10	SE'E	2	b	41	75	33	7	-	-	-	0	0	-
	Boscombe Down	417	19·9	-10	E	2	b	38	75	31	8	-	-	-	0	0	-
	Thorney Island	10	19·4	-14	ENE	3	b	46	75	38	7	-	-	-	0	0	-
	Lympne	283	20·5	-20	E	4	b	48	65	38	7	-	-	-	0	0	-
	Manston	154	21·2	-14	ESE	3	b	49	85	44	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21·9	-6	SE'E	4	b	49	85	43	7	-	-	-	0	0	-
	Gorleston	5	22·1	-4	SSE	3	b	48	75	41	7	-	-	-	0	0	-
	Mildenhall	15	21·6	-4	SE'S	3	b	40	85	36	8	-	-	-	0	0	-
	Cranwell	203	20·8	+2	SSW	3	b	41	85	36	7	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·1	-6	E'S	1	b	43	75	36	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·8	-12	E	3	b	45	85	39	8	-	-	-	0	0	-
	Bristol	209	20·0	-6	SSE	1	b	41	75	34	8	-	-	-	0	0	-
	Portland Bill	32	17·4	-24	E	3	b	50	85	46	8	-	-	-	0	0	-
	Plymouth	82	17·4	-22	E'S	3	b	46	75	39	9	-	-	-	0	0	-
	The Lizard	240	15·2	-20	E'S	5	b	50	85	46	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	14·9	-20	ESE	4	b	49	85	43	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	17·3	-8	SE	4	b-bc	48	85	42	8	1	-	-	2-3	2-3	3000
7	Holyhead (Valley)	32	18·5	-2	S	3	c	48	75	42	9	5	-	-	9	9	3500
	Chester (Sealand)	16	19·3	+2	-	0	m	38	92	35	4	-	-	-	0	0	-
8	Manchester	235	19·5	+2	S'E	2	m	45	75	36	4	-	-	-	0	0	-
10	Spurn Head	29	20·8	+4	S'W	4	b	46	75	40	7	-	-	-	0	0	-
	Catterick (Sc)	192	19·4	0	-	0	b	36	92	34	8	-	-	-	0	0	-
	Tynemouth	108	18·6	+2	WSW	3	zo	45	65	33	6	-	-	-	0	0	-
11	St. Abbs Head	280	16·6	+8	SSW	1	b-bc	42	97	41	7	5	-	-	2·3	2·3	2500
	Leuchars	36	15·5	+6	SSW	2	c	45	85	41	8	-	3	8	0	9	-
12	Renfrew (Abbots I.)	19	15·3	+2	SSW	2	zo	47	85	42	6	5	3	-	4-6	9	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17·8	+4	S'W	3	b-bc	44	85	39	8	4	3	*	Tr	2·3	1800
13A	Tiree	44	12·3	-6	S	6	c	45	97	45	8	5	-	-	4-6	9+	3000
13B	Stornoway	15	08·0	+8	SSW	7	c	49	97	48	7	5	2	-	9	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·9	+2	S	2	c	46	85	42	8	5	7	-	2-3	9+	2500
	Wick	114	10·9	+24	SSW	4	c/r	47	85	41	8	5	1	-	4-6	10	2000
16	Sumburgh	19	08·2	+12	SW'S	6	c	47	85	43	8	5	2	-	9	10	2000
17	Blacksod Point	18	11·5	-10	S	5	c-bc	49	85	45	8	9	3	-	4-6	7-8	1500
18	Malin Head	84	12·6	+2	S	4	c-bc	46	75	39	8	5	-	-	7-8	7-8	1500
	Aldergrove	268	15·9	+2	S	2	bc	44	75	38	8	5	3	-	4-6	4-6	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·1	-12	SSE	5	o	49	65	38	9	5	-	-	10	10	4000
	Roches Point	22	15·4	-10	S	4	bc	49	75	41	8	5	-	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	16·2	-20	E	3	zo	49	65	38	5	-	-	5	0	1	-	0	*
Croydon	18·2	-10	E	1	zo	47	75	40	5	-	-	-	0	0	-	0	*
S. Farnborough	15·9	-22	E'N	3	zo	45	75	38	6	-	-	-	0	1	-	0	*
Boscombe Down	15·7	-18	E	4	b-bc	45	75	38	7	-	-	5	0	2-3	-	0	*
Thorney Island	15·0	-16	ENE	3	b-bc	49	75	41	7	-	7	-	0	2-3	-	0	*
Lympne	17·1	-18	E'S	3	b-bc	48	65	37	7	-	-	5	0	2-3	-	0	§
Manston	17·7	-18	ESE	3	b	49	85	45	8	-	-	5	0	1	-	0	*
Shoeburyness	18·5	-20	E'S	3	b	51	75	42	7	-	-	-	0	0	-	0	*
Felixstowe	19·1	-8	ESE	4	b	51	75	42	7	-	-	5	0	1	-	0	3
Gorleston	20·2	-6	ESE	4	b	49	85	45	7	-	-	-	0	0	-	0	3
Mildenhall	18·6	-14	ESE	3	b	47	85	41	7	-	-	-	0	0	-	0	*
Cranwell	18·9	-18	E'N	1	zo	40	85	35	6	-	-	-	0	0	-	0	*
Birmingham	17·2	-14	ESE	2	bf-	43	75	35	3	-	-	-	0	0	-	0	*
Upper Heyford	17·3	-16	E	2	zo	44	75	37	6	-	-	1	0	Tr	-	0	*
Ross-on-Wye	15·9	-24	ENE	2	zo	41	75	33	6	-	-	1	0	Tr	-	0	*
Hartland Point	12·1	-22	NE	3	b	46	85	41	7	-	-	3	0	1	-	0	3
Bristol	16·0	-22	E	1	zo	40	85	37	6	-	-	1	0	Tr	-	0	*
Portland Bill	13·0	-22	E	4	c-bc	51	92	49	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	11·8	-26	E	4	zo	49	85	44	6	-	-	5	0	4-6	-	0	1
The Lizard	10·3	-26	E	5	bc	51	85	45	8	4	7	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	09·8	-22	E'N	4	c	49	92	47	6	5	7	2	7-8	9+	1200	0	3
Guernsey																	
Pembroke	13·3	-24	E	4	b-bc	47	85	44	7	1	4	-	2-3	2-3	3000	0	3
Holyhead (Valley)	15·8	-10	ENE	2	b	43	86	38	8	-	-	-	0	0	-	0	1
Chester (Sealand)	17·4	-8	-	0	zo	40	85	35	6	-	-	-	0	0	-	0	*
Manchester	17·7	-10	SSE	2	zo	45	65	34	6	-	-	-	0	0	-	0	*
Spurn Head	20·5	-2	ESE	3	b-bc	48	85	43	7	7	-	-	2-3	2-3	4000	0	2
Catterick (Sc)	19·1	+2	-	0	zo	36	97	35	5	-	-	-	0	0	-	0	*
Tynemouth	18·8	-4	SW	2	bf	43	75	35	3	-	-	-	0	0	-	0	2
St. Abbs Head	17·0	+4	SE	1	b-bc	44	86	39	7	4	-	-	2-3	2-3	3500	0	3
Leuchars	18·7	0	SW	2	b	44	92	41	6	2	-	9	Tr	1	3000	0	*
Renfrew (Abbots I.)	15·3	+2	S'W	2	zo	45	85	40	6	5	-	-	4-6	4-6	3500	0	*
Eskdalemuir	16·6	-2	S	2	b	42	85	39	8	5	-	-	1	1	800	0	*
Point of Ayre	16·1	-8	S'W	3	b	48	92	46	8	5	-	-	1	1	1800	0	2
Tiree	11·5	+6	S	5	e	48	75	42	8	4	-	9	1	2-3	5000	0	3
Stornoway	08·9	+6	SSW	7	c	48	97	47	8	6	7	-	7-8	10	1500	1	5
Dalwhinnie	14·0	0	SW	4	c-bc	44	75	35	7	7	-	-	7-8	7-8	2500	1	*
Aberdeen †	15·6	+8	SW	2	b-bc	46	75	39	8	-	3	5	0	2-3	-	0	2
Wick	11·7	+8	SSW	3	c	47	75	42	7	5	7	6	4·9	9+	4000	0	*
Sumburgh	09·9	+20	SSW	6	c	47	85	43	8	5	7	8	2·3	9+	4500	1	4
Blacksod Point	09·7	+6	S	5	b-bc	50	65	39	8	9	4	6	2-3	2-3	2500	1	4
Malin Head	11·3	-2	SSE	4	bc	45	75	37	8	5	-	1	2-3	4-6	2500	1	3
Aldergrove	14·6	-6	SSE	3	b	44	75	37	9	5	7	5	Tr	1	2500	1	*
Birr Castle	13·0	-10	SSE	1	b-bc	44	85	40	8	5	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	10·3	-14	SE	3	c	49	75	41	9	5	-	-	9	9	4000	1	3
Roches Point	11·4	-18	SSE	4	bc	49	85	44	8	5	-	-	4-6	4-6	2500	0	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 20th Hrs. (38)
London (Kew)	61	43	25	-	-	11·9
Croydon	64	39		-	-	
S. Farnborough	62	34	20	-	-	12·5
Boscombe Down	60	36	30	-	-	13·0
Thorney Island	56	43	29	-	-	*
Lympne	54	43	32	-	-	13·2
Manston	57	45	42	-	-	13·0
Shoeburyness	55	48	38	-	*	12·1
Felixstowe	57	47	42	-	-	12·6
Gorleston	56	41	40	-	-	12·6
Mildenhall	62	37	29	-	Tr	12·7
Cranwell	61	33	23	-	-	12·4
Birmingham	58	40	25	-	-	11·6
Upper Heyford	60	38	30	-	-	*
Ross-on-Wye	60	33	25	-	-	12·8
Hartland Point	55	44	41	-	-	13·0
Bristol	60	34	24	-	-	12·7
Portland Bill	53	47	*	-	-	*
Plymouth	56	44	36	-	-	13·8
The Lizard	57	48	*	-	-	12·3
Scilly (St. Mary's)	58	47	*	*	-	12·1
Guernsey						
Pembroke	54	42	*	-	-	12·6
Holyhead (Valley)	55	51	32	-	-	*
Chester (Sealand)	61	35	26	-	-	12·7
Manchester	59	37	26	-	-	*
Spurn Head	59	44	*	-	-	11·5
Catterick (Sc)	56	28	24	-	-	*
Tynemouth	57	39	33	-	-	*
St. Abbs Head	55	38	*	-	-	*
Leuchars	57	40	25	-	-	1·3
Renfrew (Abbots I.)	53	41	26	Tr	-	2·5
Eskdalemuir	49	39	35	-	-	2·4
Point of Ayre	58	41	*	-	-	7·1
Tiree	51	47	44	Tr	Tr	0·0
Stornoway	50	47	45	3	7	0·0
Dalwhinnie	45	41	38	1	2	0·6
Aberdeen †	53	44	36	-	-	0·0
Wick	55	45	43	Tr	Tr	*
Sumburgh	48	46	42	1	0·4	0·0
Blacksod Point	54	46	*	Tr	2	*
Malin Head	54	42		0·2	-	0·8
Aldergrove	53	39	33	-	-	1·1
Birr Castle	54	39	33	-	-	0·1
Valentia Obsy.	53	48	46	-	-	0·1
Roches Point	56	49	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

II	13h. G.M.T. 20th April $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st April $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	52	22756	53568	52	02844	19467	51	02645	19567	47	02753	17327
115	52	62735	53568				51	14844	87628	57	02844	53527
203	6-	64738	16668	5-	03848	16668						
206	57	02855	22567	67	02855	20327	5-	02857	20227	53	02964	20225
210	57	02964	53627	57	01855	20528				53	02973	18226
219	62	62746	18768	57	05654	51668	57	02766	18627	57	02675	18727
230	52	22855	20468	57	63857	20368	57	02865	20127	57	01842	16112
245	74	02764	53517	57	02755	53618	04	02790	20316	04	01790	20313
260	54	02855	20628	5-	02864	51726	50	01754	20514	04	01890	00012
278	57	02865	19326	57	02847	15328	54	01811	18321	54	01641	13202
279	26	02854	53625	74	02975	20626	04	01990	18221	00	00990	12110
285	27	02854	24626							00	00890	06100
288	10	02863	55527	17	02861	22327	00	00890	14210	00	05590	00010
575	5-	61847	51367	53	02855	18227	5-	02857	18127	54	02855	18116
301	14	01953	22413	00	01861	22312	00	05690	10200	00	08490	08200
321	20	01764	25414				00	05590	16200	00	08490	12200
[illegible]	50	01754	22314	04	01790	22301	00	05690	22200	00	05690	20190
292	1-	01864	21314	04	02890	23325	00	00790	00010	00	08590	14140
310	--	02645	20415									
614	2-	05664	24324	00	05690	18210	00	05690	18200			

II	13h. G.M.T. 20th April $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 21st April $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	27	02964	20425	70	01362	19402	04	01890	00023	00	00890	00000
334	--	01743	26214							--	00690	00002
340	10	02965	22315	10	01862	22212				00	05590	12200
136	10	10362	20314	00	01890	19313	00	00790	17200	00	00790	12100
336	10	01763	20413							50	01752	04312
350	10	01952	18316	00	01890	17111	00	00790	10300	00	05690	06301
368	10	01863	24114	10	00861	22101	00	00790	08100	00	05690	08402
379	10	02854	20326	00	00890	20210	00	00890	14300	00	05590	06302
390	00	05590	14214	00	00690	14210	00	05690	13110	00	05590	06100
382	10	01853	26115	00	00990	16200	00	00790	14100	00	05690	08202
438				04	01790	06212	00	00790	06400	04	01790	08513
430	10	01852	16302	00	00890	04210	00	05690	04300			
409	50	01955	26315	00	00990	14310	00	00890	11400	00	01790	07204

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 21st April
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			
Croydon			
Greenwich	by	bbcby⊕	bxby
Camden Square	c	bc	*
Kensington	b→bc	bc	*
Hampstead	b	b	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 6·4 Time 5-6h 21st. Min. <0·1 Time 10-24h 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							*	*
Croydon							*	*
Greenwich	64	40	38	-	-	12·2	38	51
Westminster	63	46	38	—	—		41	55
Regents Park	61	42	28	-	-		51	56
Camden Square	65	42	30	-	-	*	*	51
Kensington	64	41	31	-	-		72	53
Hampstead	61	41	34	-	-		*	56

SECRET

Page 1

BRITISH SECTION

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

Thursday, 22nd April 1943.

No. 29736.

OBSERVATIONS at 13h. G.M.T. 21st April.

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)	10·5	-32	E'S	4	z_0	58	55	41	6	5	4	6	2-3	9+	4000
	Croydon ...	11·1	-38	E	4	c	62	65	48	6	-	4	6	0	9+	-
	S. Farnborough	00·8	-44	E	4	c	63	35	38	7	-	7	8	0	9+	-
	Boscombe Down	08·6	-34	E'S	5	c	61	55	43	8	-	9	-	0	9+	-
	Thorney Island	09·1	-32	E	6	c	61	55	42	7	-	7	-	0	9+	-
	Lympne ...	11·4	-34	E'N	5	z_0	58	55	41	6	1	3	6	0	9+	-
	Manston ...	12·4	-6	E'N	4	c	55	75	47	7	-	7	6	0	9	-
2	Shoeburyness ...	13·3	-20	E	4	bc	54	75	46	6	-	-	4	0	4-6	-
	Felixstowe ...	14·0	-34	ENE	4	c	53	65	43	7	-	-	6	0	9+	-
	Gorleston ...	14·7	-40	E	4	bc	51	75	42	7	-	7	-	0	4-6	-
	Mildenhall ...	12·8	-34	ESE	4	c	61	45	38	8	-	-	6	0	9+	-
	Cranwell ...	12·5	-36	E'S	5	c	63	35	33	7	-	-	6	0	9+	-
3	Birmingham ...	10·6	-34	ESE	4	c-bc	60	45	39	8	-	-	8	0	7-8	-
	Upper Heyford	10·1	-44	E	4	c	59	45	45	7	-	7	6	0	9+	-
4	Ross-on-Wye	10·0	-30	E'N	4	c	61	35	35	6	-	-	7	0	9+	-
5	Hartland Point	05·6	-32	ENE	4	c	56	55	40	7	-	7	-	0	10	-
	Bristol ...	08·9	-40	E	3	c	59	55	40	7	5	7	-	4-6	9+	4000
	Portland Bill ...	08·4	-28	E	5	c	50	92	48	8	5	-	-	10	10	4000
	Plymouth ...	06·2	-28	E	5	ir	55	65	43	7	5	7	-	4-6	10	2500
	The Lizard ...	04·1	-24	E	6	rr	50	92	48	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	04·2	-30	ENE	4	f	53	75	47	6	5	2	-	7-8	10	1000
	Guernsey ...															
6	Pembroke ...	07·4	-24	ESE	6	bc	57	65	44	7	1	4	-	2-3	4-6	3000
7	Holyhead (Valley)	09·5	-38	E'S	3	c-bc	60	45	40	7	-	-	6	0	7-8	-
	Chester (Sealand)	11·4	-32	SE	3	c-bc	63	36	37	7	-	-	6	0	7-8	-
8	Manchester ...	12·0	-32	ESE	4	z_0	63	36	35	6	-	-	6	0	9	-
10	Spurn Head ...	15·3	-24	SE'E	4	bc	52	75	45	7	5	-	-	4-6	4-6	2500
	Catterick (Sc) ...	15·1	+20	SE	2	b	62	45	39	7	-	-	1	0	1	-
	Tynemouth ...	16·3	-18	SE	3	z_0	49	75	42	6	-	-	-	0	0	-
11	St. Abbs Head	14·3	-14	ESE	3	b	51	92	49	6	-	-	-	0	0	-
	Leuchars ...	13·8	-16	ESE	4	b-bc	59	55	41	8	1	-	-	2-3	2-3	3000
12	Renfrew (Abbots I.)	12·4	-22	S	2	bc	60	45	39	8	1	-	-	4-6	4-6	3500
	Eskdalemuir ...	12·4	-20	S	3	b	57	45	35	8	-	-	-	0	0	-
	Point of Ayre ...	12·0	-20	SE'S	3	z_0	58	65	47	6	-	-	1	0	Tr	-
13A	Tiree ...	11·2	-4	SSE	4	b	52	85	44	8	4	7	-	Tr	Tr	3500
13B	Stornoway ...	09·7	+14	SSW	7	c	52	92	51	8	7	3	1	2-3	9	2800
15	Dalwhinnie ...	12·4	-4	SSW	4	b	54	45	32	8	4	-	-	1	1	2500
	Aberdeen ...	14·1	-4	S'E	4	b	54	55	37	8	1	-	1	Tr	Tr	4000
	Wick ...	11·7	+4	SSE	3	c-bc	54	55	38	7	8	-	6	1	7-8	2000
16	Sumburgh ...	11·6	-6	SSW	4	c	50	75	44	8	5	4	2	1	9	5000
17	Blacksod Point	08·5	-10	S'W	4	b-bc	55	55	44	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	09·8	-10	S'E	4	c-bc	56	55	41	8	4	-	-	7-8	7-8	2500
	Aldergrove ...	11·0	-22	S	3	b-bc	56	55	41	9	7	-	1	2-3	2-3	2500
19	Birr Castle ...	08·5	-30	SSE	2	bc	60	45	32	8	1	-	-	4-6	4-6	2500
20	Valentia Obsy.	06·7	-24	SE	2	c	62	55	47	8	1	7	2	1	9+	4000
	Roches Point	07·5	-22	SE'E	4	bc	56	85	52	8	1	-	5	1	4-6	4000

OBSERVATIONS at 18h. G.M.T. 21st April

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)	05·0	-32	ENE	3	ir	57	75	50	5	5	2	-	7-8	10	2500	0	*
	Croydon ...	06·1	-34	E'S	3	d	56	78	47	5	5	2	-	7-8	10	3500	1	*
	S. Farnborough	05·0	-22	E'S	2	r	53	85	49	4	-	2	-	10	10	2000	1	*
	Boscombe Down	04·7	-18	E'S	4	r	52	92	49	6	5	2	-	4-6	10	4000	1	*
	Thorney Island	05·3	-18	E'N	4	r	54	85	50	5	-	2	-	10	10	4000	1	*
	Lympne ...	05·5	-30	E'S	4	o/r	60	65	48	6	5	-	-	10	10	6000	1	3
	Manston ...	07·2	-22	E'S	3	c	57	78	49	7	5	7	2	7-8	10	5000	0	*
2	Shoeburyness ...	07·4	-28	ESE	3	c	54	85	48	6	5	7	-	4-6	9+	4000	0	*
	Felixstowe ...	07·2	-40	ENE	5	z_0	53	73	44	6	-	7	-	0	9+	-	0	3
	Gorleston ...	07·9	-46	E'S	4	z_0	51	85	46	6	5	7	-	7-8	9+	1500	0	3
	Mildenhall ...	07·0	-42	E'S	4	c	59	55	43	7	-	7	-	0	10	-	0	*
	Cranwell ...	07·3	-26	SE	4	c	57	55	44	7	-	7	-	0	10	-	0	*
3	Birmingham ...	05·5	-24	ESE	4	c	56	65	41	7	-	7	-	0	10	-	0	*
	Upper Heyford	05·3	-22	E'S	4	r	53	75	44	6	5	2	-	9	10	3000	0	*
4	Ross-on-Wye	04·3	-24	E'N	3	ir	55	65	45	7	6	2	-	9	10	2500	0	*
5	Hartland Point	01·6	-18	E	4	c/r	51	85	47	7	6	2	-	9+	10	2500	1	2
	Bristol ...	04·3	-22	SE	3	ir	55	75	47	6	-	2	-	10	10	2500	0	*
	Portland Bill ...	03·4	-20	E	6	o	50	92	48	7	5	-	-	10	10	2500	1	6
	Plymouth ...	01·8	-30	E	3	id	50	97	49	6	5	-	-	10	10	1200	1	2
	The Lizard ...	00·3	-22	E'N	5	rf	50	97	50	3	5	-	-	10	10	400	1	5
	Scilly (St. Mary's)	00·6	-20	NE'E	3	rr	50	97	49	5	6	-	-	10	10	500	1	3
	Guernsey ...																	
6	Pembroke ...	03·5	-8	ENE	3	r	52	85	46	7	5	-	-	10	10	2500	0	2
7	Holyhead (Valley)	04·2	-28	E	2	c	60	55	44	8	-	7	-	0	10	-	0	1
	Chester (Sealand)	06·2	-26	SSE	2	z_0	61	45	37	6	5	-	8	7-8	9+	5000	0	*
8	Manchester ...	06·6	-30	E'N	3	c	57	55	36	7	-	7	-	0	10	-	0	*
10	Spurn Head ...	09·4	-18	E	5	c	49	85	44	7	8	7	-	4-6	9+	2500	0	4
	Catterick (Sc) ...	11·1	-12	ESE	2	c	54	55	40	8	-	7	2	0	9	-	0	*
	Tynemouth ...	11·8	-20	SE	5	bc	48	75	40	7	-	4	-	0	4-6	-	0	3
11	St. Abbs Head	09·3	-20	ESE	5	c	47	92	46	7	5	-	-	9+	9+	3500	0	4
	Leuchars ...	09·2	-38	SE	4	z_0	54	75	46	6	-	-	8	0	10	-	0	*
12	Renfrew (Abbots I.)	07·1	-28	NNW	1	c	61	45	41	7	-	-	7	0	10	-	0	*
	Eskdalemuir ...	07·2	-20	ESE	3	c-bc	57	45	34	7	-	1	-	0	7-8	-	0	*
	Point of Ayre ...	06·5	-26	E'N	2	c-bc	52	85	46	7	5	5	5	2-3	7-8	4000	0	2
13A	Tiree ...	07·8	-22	SE	2	c-bc	52	75	43	8	-	7	2	0	7-8	-	0	2
13B	Stornoway ...	08·4	-8	SSW	5	b-bc	50	85	45	9	1	4	5	Tr	2-3	2800	1	3
15	Dalwhinnie ...	09·0	-20	S	3	c-bc	55	35	28	7	1	4	2	Tr	7-8	4000	0	*
	Aberdeen ...	08·0	-24	S'E	3	z_0	50	65	39	6	-	-	6	0	9	-	0	3
	Wick ...	6·7	-2	SSE	3	bc	50	75	40	7	8	-	6	2-3	4-6	3000	0	*
16	Sumburgh ...	10·7	-6	S	4	b-bc	48	85	45	8	-	4	2	0	2-3	-	0	3
17	Blacksod Point	05·6	-14	W	3	c	51	75	44	8	5	-	-	10	10	2500	1	3
18	Malin Head ...	05·6	-22	SE	3	c-bc	54	65	43	8	8	-	-	7-8	7-8	2500	1	3
	Aldergrove ...	06·1	-30	-	0	c	55	55	40	7	-	-	7	0	10	-	0	*
19	Birr Castle ...	03·7	-22	SSE	2	c-bc	60	55	44	8	5	-	5	2-3	7-8	2500	0	*
20	Valentia Obsy.	04·2	-12	NW'N	3	c	53	75	46	8	5	-	-	9+	9+	5700	1	2
	Roches Point	03·5	-22	ESE	4	c	53	75	46	8	5	7	-	4-6	9	2500	0	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h.—21st 1h. 22nd (41)	21st 1h.—7h. 22nd (42)
1	London (Kew)	bcz o y u z	c y i r o c z o	c i r o r o c	c d o r o c
	Croydon ...	b z c y c z y	c z o i r o d o d		c m o c c d r o
	S. Farnborough	b b c z y	c y r r o m o m	c r o m m o	c m o r o c k o c
	Boscombe Down	b b c c y	c y c r o o	c r o m o o i d m o	o i d m o p o
	Thorney Island	b y	c i r o p r r	c m o c	c i d o c
	Lympne ...	b c c y z o	c z o i r o c z o	c z o r r c m	c m o
	Manston ...	b c y c	c	o r o r o m o	c b c c
2	Shoeburyness ...	c b c m o	b c m o c	c r r m o	c r r b c m o
	Felixstowe ...	b c c	c c m o	c i r d m o c m o	c m o b c m o
	Gorleston ...	b c	c z o	o r o r o	c m o c z o
	Mildenhall ...	b c y c y	c y	c y c r r m o, i r	c m o i d o c
	Cranwell ...	b, c y	b b c c y	c y c r r o m o	c d o d o m f m
3	Birmingham ...	f b b c	c	c o i r o	r o o f
	Upper Heyford	b c z y c y	c y i r o	c m o c d o d f	c f c m o i d o
4	Ross-on-Wye	b z b c c	c y c	r o o i d	o p o o m
5	Hartland Point	b b b c y	o i r o r o c	c i r c	c i r F
	Bristol ...	b m z c c y	c y c i r o	c r o d o m o m o c i r m o	
	Portland Bill ...	c	o r r o	c	c o
	Plymouth ...	b c m o	c r o r o m o	c m o r r	c m o o f
	The Lizard ...	c o r r m o	p r r f r	o f d r r	o r r p r
	Scilly (St. Mary's)	c r o	r o r r	o r d c r r	c r r c b c
	Guernsey ...				
6	Pembroke ...	b c	c y c r r m o	c r o r o m o	c r o r o m o
7	Holyhead (Valley)	b b c y	c y z o	c r o r o	c r o r o i r o
	Chester (Sealand)	b m o b z y c	c y z o	c y z o i r o	c m o r r
8	Manchester ...	b b c z y	c z o c y	y r o r o r r	c d o r o r o
10	Spurn Head ...	b c z o	c	o r r	o m
	Catterick (Sc) ...	b z o	b y c y	c m o	c i r r r m
	Tynemouth ...	b f f m	b c m o b c	b c m o c	c o r r o m
11	St. Abbs Head	b z	b b c c	c b c c	o r o O
	Leuchars ...	b w b c b y	b b c m y c m o	c b c c m o	c m o
12	Renfrew (Abbots I.)	b c y c y b y	b c y c y	c y c z o z	c z, m o r o r o
	Eskdalemuir ...	b y	b y b c c y	c y c	c o r o m o c
	Point of Ayre ...	b z o	b z o f	c	c d f d
13A	Tiree ...	b c	b c c	c	c
13B	Stornoway ...	c	b	b, c b c c	c
15	Dalwhinnie ...	c b y	b c c y		c o
	Aberdeen ...	b b c c b y	b y b c c z o	c	c d o d o m
	Wick ...	c	b c	c	c m o
16	Sumburgh ...	c	c b c b	b c c m o	c m o c
17	Blacksod Point	b c	c	c	c
18	Malin Head ...	b c	b c	b c	c
	Aldergrove ...	c b c c b c	b c y c y	c m o i r o c m o	c r o r o r r
19	Birr Castle ...	b c	c		r
20	Valentia Obsy.	c	c	b c	b c
	Roches Point	b c	b c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 22nd April

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light or moderate southwest wind: backing south. Bright intervals; showers; local morning fog: rather warm.
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	Variable winds becoming south, light or moderate; cloudy; occasional rain: rather warm.
16 Orkneys and Shetlands	As 7-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light northwest or variable winds, backing south. Bright intervals; local thundery showers: rather warm.

GENERAL INFERENCE

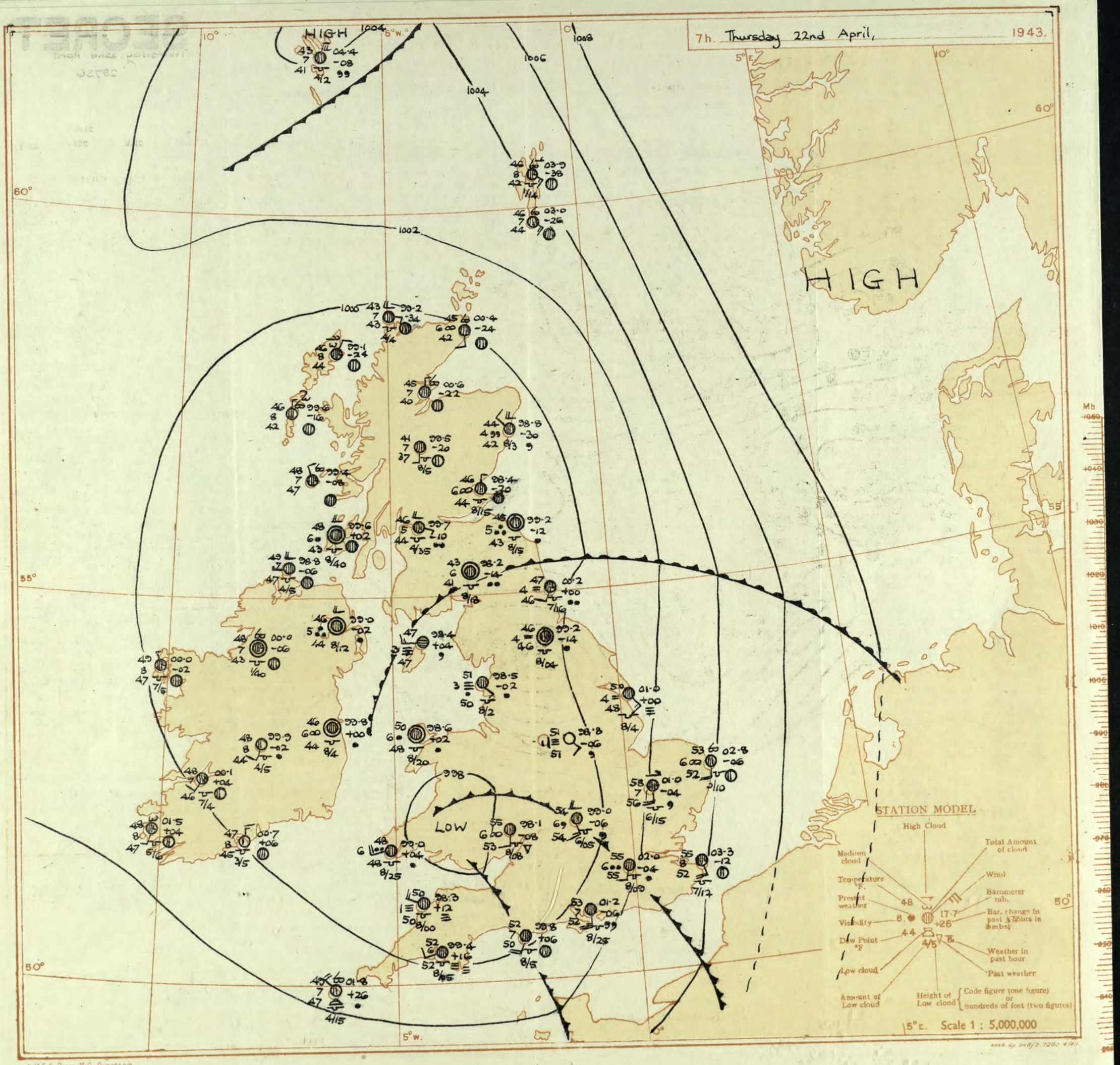
A complex depression over the British Isles is moving north-northeast. There will be rain in the North and bright intervals and showers in the South.

FURTHER OUTLOOK

Unsettled; occasional rain: rather warm.

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 two hours to get double summer time.

Page 4.

BRITISH SECTION

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

Thursday 22nd April 1943

No. 29736

OBSERVATIONS at 1 hr. G.M.T. 22nd April

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	02·2	-16	S	2	c	56	97	55	6	5	3	-	7-8	9+	500
	S. Farnborough	226	00·9	-14	SSE	3	zo	55	97	54	5	5	3	-	9	9+	1200
	Boscombe Down	417	00·8	-14	SE	3	ido	53	97	53	5	5	-	-	10	10	200
	Thorney Island	10	01·9	-14	ESE	4	c-bc	55	92	53	7	5	-	-	7-8	7-8	4000
	Lympne	283	03·1	-10	SE	3	zo	53	97	53	5	5	2	-	9	10	1500
	Manston	154	03·0	-16	SSE	3	c	53	97	52	7	5	3	-	7-8	9	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	03·2	-14	SSE	4	o/r	52	97	51	5	5	-	-	10	10	1500
	Gorleston	5	03·9	-24	SE	4	roro	51	92	48	6	6	-	-	10	10	800
	Mildenhall	15	02·1	-22	SE	3	c/r	54	92	53	6	5	-	-	10	10	1200
	Cranwell	203	02·0	-22	SE'E	2	roro	50	97	50	5	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·5	-8	SE'S	2	df	53	97	53	3	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	97·8	-20	E	3	c	52	97	52	7	5	7	-	4-6	9+	2500
	Bristol	209	00·4	-16	-	0	zo	53	97	52	5	5	-	-	10	10	800
	Portland Bill	32	00·8	-16	S	4	c	52	97	50	7	5	-	-	10	10	2500
	Plymouth	82	98·2	-16	ESE	2	rr	53	97	53	6	5	7	-	9	10	1500
	The Lizard	240	97·8	-10	ENE	3	roro	52	97	52	5	5	-	-	10	10	600
	Scilly (St. Mary's)	163	98·7	-8	NW'N	2	pr	50	97	50	5	5	-	-	10	10	450
	Guernsey	175															
6	Pembroke	142	98·8	-22	E'N	1	roro	51	97	51	6	5	-	-	10	10	2500
7	Holyhead (Valley)	32	00·6	-18	-	0	roro	49	97	49	6	5	-	-	10	10	3000
	Chester (Sealand)	16	02·1	-22	-	0	c	51	85	47	6	5	-	-	10	10	2000
8	Manchester	235	01·7	-28	E'N	1	roro	49	97	48	6	5	2	-	7-8	10	1700
10	Spurn Head	29	02·9	-22	SE	4	rr	49	92	48	6	6	-	-	10	10	1500
	Catterick (Sc)	192	04·0	-18	ENE	1	iro	46	92	44	4	-	2	-	0	10	-
	Tynemouth	108	04·0	-32	SE	3	c	46	92	43	7	5	-	-	9+	9+	2500
11	St. Abbs Head	280	04·1	-26	ESE	3	c	45	97	45	7	5	-	-	9+	9+	2500
	Leuchars	36	05·3	-18	ESE	4	zo	47	92	44	6	-	7	-	0	10	-
12	Renfrew (Abbots I.)	19	03·5	-14	E	2	m	48	65	38	4	-	2	-	0	10	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	06·0	-24	SE	4	c	51	85	46	7	6	2	-	4-6	10	800
13A	Tiree	44	03·3	-22	NE	2	c	46	85	43	7	-	7	7	0	10	-
13B	Stornoway	15	04·9	-20	-	0	c	44	92	42	7	5	-	-	10	10	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	06·2	-26	SSE	1	c	42	92	40	7	-	-	7	0	10	-
	Wick	114	06·5	-22	SSE	2	c	46	75	39	7	-	2	-	0	10	-
16	Sumburgh	19	09·0	-12	S'E	4	c	46	92	44	6	-	1	7	0	10	-
17	Blacksod Point	18	02·0	-22	NE	2	c-bc	49	85	45	8	8	-	-	7-8	7-8	2500
18	Malin Head	84	01·7	-22	NNE	1	c	48	92	46	8	5	-	-	9+	9+	2500
	Aldergrove	268	01·1	-28	ENE	2	c/r	49	65	39	6	5	2	-	9	10	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	02·2	-10	NE	1	bc	43	92	41	8	-	3	-	0	4-6	-
	Roches Point	22	01·1	-12	E	2	c	49	97	49	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. G.M.T. 22nd April — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 21st. Hrs. (38)
London (Kew)	00·8	+4	SSE	3	zo	56	85	52	6	5	-	-	10	10	2500	1	*	59	54	52	Tr	1	4·6
Croydon	02·0	-4	S'W	2	roro	55	97	55	6	5	-	-	10	10	900	1	*	65	55	53	Tr	2	7·2
S. Farnborough	00·3	+6	S'E	3	c/r	55	92	52	7	5	-	-	10	10	600	1	*	66	53	51	1	22	6·4
Boscombe Down	99·7	+2	S	4	dodo	53	97	53	6	5	-	-	10	10	600	1	*	53	50	50	0·3	2	4·5
Thorney Island	01·2	+6	S	5	o/d	53	92	52	7	5	-	-	10	10	2500	1	*	62	52	49	4	0·2	*
Lympne	03·0	+2	SSE	4	o	53	97	52	7	5	-	-	10	10	2400	1	§4	61	53	49	Tr	5	6·7
Manston	03·3	-12	SE	4	c	55	92	52	8	5	-	-	9+	9+	1200	1	*	58	52	51	-	2	7·7
Shoeburyness	02·9	+2	S	4	d	56	92	53	7	5	3	-	9	9+	2500	1	*	54	53	48	-	2	5·7
Felixstowe	02·4	+24	SSE	5	zo	54	92	52	6	5	4	-	4-6	7-8	4000	1	4	55	51	50	-	2	9·1
Gorleston	02·8	-6	S'E	4	zo	53	92	52	6	5	7	-	2-3	7-8	1000	1	4	54	51	40	-	3	8·8
Mildenhall	01·0	-4	S	4		58	97	56	7	5	-	1	9	9	1500	1	*	63	53	52	-	2	8·1
Cranwell	00·2	-10	SE'S	3	m c/d	55	97	55	4	5	-	-	10	10	450	1	*	64	49	48	-	33	8·4
Birmingham	98·8	-4	SE	3	iro	54	97	54	4	5	-	-	10	10	800	1	*	62	49	45	-	1	6·4
Upper Heyford	99·0	-6	SSE	3	ido	54	92	54	6	5	2	-	9	10	500	1	*	61	51	48	Tr	2	*
Ross-on-Wye	98·1	-8	S	2	zo	55	92	53	6	5	-	-	10	10	800	1	*	62	50	49	Tr	0·3	6·4
Hartland Point	98·3	+12	WNW	3	F+	50	97	50	1	-	-	-	10	10	<150	1		57	50	49	1	2	5·1
Bristol	98·6	+2	S	2	zo	55	97	54	6	5	-	-	10	10	450	0	*	61	51	50	Tr	0·2	5·6
Portland Bill	99·8	+6	SSW	4	o	52	92	50	7	5	-	-	10	10	2500	1	4	51	48	*	0·6	-	*
Plymouth	99·4	+18	W'S	2	o/f	52	97	52	6	5	-	-	10	10	500	1		55	49	48	0·6	1	2·9
The Lizard	01·2	+30	N'W	5	o/pr	49	97	48	7	5	-	-	10	10	1000	1	4	53	48	*	15	24	2·9
Scilly (St. Mary's)	01·8	+26	NWW	4	bc	49	92	47	7	8	7	-	4-6	4-6	1500	1	4	57	48	*	11	6	3·6
Guernsey																							
Pembroke	99·0	+4	W'S	4	roro	48	97	48	6	5	-	-	10	10	2500	1	2	58	47	*	1	3	2·4
Holyhead (Valley)	98·6	+2	-	0	iro	50	92	48	6	5	-	-	10	10	2000	1	1	65	48	48	-	0·6	*
Chester (Sealand)	99·1	-2	-	0	rr	51	97	43	4	5	2	-	2-3	10	1200	1	*	65	50	47	-	3	8·0
Manchester	98·8	-14	-	0	roro	52	97	50	4	-	2	-	10	10	400	1	*	65	49	48	-	2	*
Spurn Head	01·0	0	SE'S	3	m	50	92	48	4	5	-	-	10	10	1500	1	2	52	48	*	-	2	9·3
Catterick (Sc)	99·2	-14	-	0	m/r	46	97	46	4	5	-	-	10	10	400	1	*	63	45	43	-	4	9·3
Tynemouth	00·2	0	SSW	2	m/r	47	92	46	4	5	-	-	9+	9+	450	1	2	49	46	43	-	3	*
St. Abbs Head	99·2	-12	-	0	rr	45	97	43	5	5	-	-	10	10	1500	1	3	55	43	*	-	1	*
Leuchars	98·4	-20	N	1	zo	46	92	44	6	5	-	-	10	10	1500	0	*	60	45	41	-	-	11·4
Renfrew (Abbots I.)	99·7	-10	E'S	1	c/f	46	92	44	5	5	2	-	4-6	10	3500	1	*	63	45	38	-	0·2	6·5
Eskdalemuir	98·2	-14	-	0	c/r	43	92	41	6	5	-	-	10	10	1800	1	*	62	42	38	-	1	9·6
Point of Ayre	98·4	+4	W	3	df	47	97	47	3	-	-	-	10	10	<150	1		58	46	*	-	1	9·1
Tiree	99·4	-8	NNW	2	c	48	97	47	7	-	7	-	0	9+	-	0	2	53	44	44	-	-	11·7
Stornoway	99·1	-24	NNE	2	c	46	92	44	8	-	3	2	0	9+	-	1		54	41	37	Tr		6·0
Dalwhinnie	99·5	-20	S	1	o	41	85	37	7	5	-	-	10	10	2500	0	*	56	38	35	-	-	9·5
Aberdeen †	98·8	-30	NW'W	2	dodo	44	92	42	4	-	2	-	10	10	800	1	3	54	41	34	-	Tr	11·3
Wick	00·4	-24	SSE	2	zo	45	92	42	6	-	7	-	0	10	-	0	*	55	44	41	-	-	*
Sumburgh	03·0	-26	E'S	3	c	46	92	44	7	-	7	-	0	10	-	0	3	51	45	41	-	-	5·5
Blacksod Point	00·0	-2	NNW	1	c	49	92	47	8	5	-	-	9+	9+	2500	0	2	57	45	*	-	Tr	*
Malin Head	98·8	-6	W	1	c	49	92	47	7	5	2	-	4-6	10	2500	0	2	59	45		-	-	10·3
Aldergrove	99·0	-2	-	0	rr	46	92	44	5	-	2	-	10	10	1200	1	*	58	45	42	-	3	10·3
Birr Castle	99·9	-2	SSW	2	bc	48	85	44	8	5	-	-	4-6	4-6	2500	0	*	61	46	43	-	0·2	9·7
Valentia Obsy.	01·5	+4	S'W	1	c	48	97	48	8	5	3	-	7-8	9+	4000	1	1	64	42	37	-	Tr	4·3
Roches Point	00·7	+6	N'W	3	bbc	47	92	45	8	5	-	-	2-3	2-3	2500	0	3	57	47	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 21st April IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 22nd April C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
109 53	02555	16426	00	01790	14314	57	05654	14318	01	05690	10527
115 54	02844	53426	54	02563	20326	51	02844	08328	52	02744	08228
203 84	02844	16525	04	00990	20312	01	01840	08314			
206 10	01963	20313	00	01990	20112	07	02790	32127	07	02790	32128
210 10	01861	20313	00	01890	06314	02	02790	10428	57	02761	12127
219 14	01852	18523	04	01890	16414	00	02890	09126	07	02890	32125
230 5-	01964	15224	00	05890	00016	03	05790	00028	07	05690	00028
245 10	01761	14511	00	05690	14417	00	02790	00017	5-	05638	04328
260 14	01961	12311	57	05666	07318	07	05690	08228	5-	22548	00068
278 00	01790	13313	07	02890	32317	02	05690	14128	52	62647	00068
279 00	00790	28200	07	02790	09427	52	62663	08468	52	05666	04268
285 09	01790	12504									
288 00	01790	12403	07	17890	10326	07	17490	00028	02	45338	18268
575 10	02853	20115	10	02863	14125	57	02855	00028	57	02761	00027
301 00	01890	12302	07	05690	09427	02	64690	08268	5-	67328	12168
321 00	02790	10505	07	02790	10428	5-	64668	00068	--	44209	00049
[illegible] 04	01790	12314	54	02754	10415	5-	25658	12388	--	46109	12349
292 00	01790	12314	07	02790	09328	57	62655	00068	5-	48208	00068
310 --	01644	20514							--	47109	01349
614 0C	05690	12428	57	05674	43427	02	67368	06168			

13h. G.M.T. 21st April IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 22nd April C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
333 00	02790	08305	07	02790	10128	5-	21468	00068	5-	52428	28158
334 --	05653	06214									
340 00	05690	12520	07	02790	10328	02	61558	10368	02	67348	10168
136 00	01890	08416				6-	52538	14368	5-	05644	17327
330 53	02764	12416							--	67309	16269
350 00	02890	06427	57	61664	06368	62	51425	14368	5-	21735	17358
368 07	05690	42518	02	62468	08468	5-	08448	04228	02	57318	00068
379 07	02790	08427	57	61564	10468	5-	47328	10268	5-	52308	14368
390 07	05690	41427	07	61690	06328	5-	08435	14368	52	52536	12328
882 07	05690	43427	52	62666	42268	5-	05538	13268	57	22747	16328
438 52	05654	06516	82	62634	07368	8-	49447	16447	87	02756	20518
430 09	02790	[illegible]	5-	62548	04368	57	05644	08326	57	05634	14328
409 52	62772	09428	52	62646	08458	5-	22538	30268	52	52607	27458

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 22nd April. 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	bcczoyw	cyiroczo	cirodoroc
Croydon	bzcyczo	czodirododd	cmodoro
Greenwich	bc⊕y	⊕ cro	irorcddo
Camden Square	c	c	*
Kensington	bcc	co	*
Hampstead			

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	59	54	52	Tr	1	5·1	*	*
Croydon	65	55	53	Tr	2	7·2	*	*
Greenwich	59	53	49	Tr	3	6·4	62	91
Westminster	60	52	41		2		85	79
Regents Park								
Camden Square	62	54	51	-	3	*	*	91
Kensington	62	53	41	Tr	3		63	93
Hampstead							*	

BRITISH SECTION

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

SECRET

Friday 23rd April, 1943.

No. 23737

OBSERVATIONS at 13h. G.M.T. 22nd April

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)	03·7	+22	SSW	3	c	55	85	55	6	5	1	–	9+	10	1500
	Croydon	04·6	+22	SW	4	o/d	54	92	52	6	5	–	–	10	10	500
	S. Farnborough	03·8	+26	SW'S	4	o/r	55	85	51	6	5	–	–	10	10	500
	Boscombe Down	03·5	+28	WSW	4	o/d	53	97	53	5	5	–	–	10	10	300
	Thorney Island	05·0	+28	SW'S	5	z_0	54	85	50	6	5	–	–	9	10	1000
	Lympne	06·4	+18	WSW	4	o/d	53	92	50	6	5	–	–	10	10	400
	Manston	05·7	+18	SW'S	6	c/d	56	92	53	7	5	–	–	9+	9+	500
	Shoeburyness	04·8	+10	SSW	4	o/d	55	88	51	6	5	–	–	10	10	1500
	Felixstowe	04·0	+18	SSW	5	c	56	85	51	7	5	–	–	10	10	1500
	Gorleston	02·5	+4	SSE	6	oq	54	85	40	7	5	–	–	10	10	1800
	Mildenhall	01·7	+10	S	4	c	50	85	53	6	5	–	–	10	10	1600
	Cranwell	00·5	+6	S	5	c	50	85	54	7	5	–	–	9	10	1500
3	Birmingham	00·2	+10	SW	3	o	55	92	53	6	6	–	–	10	10	800
	Upper Heyford	01·1	+18	SW	3	o/d	56	97	55	6	5	–	–	10	10	600
4	Ross-on-Wye	01·1	+20	SW	3	c	58	85	53	8	5	–	–	10	10	2000
5	Hartland Point	04·0	+26	W	4	c-bc	51	85	47	7	5	–	–	7-8	7-8	1200
	Bristol	03·5	+36	W'S	4	z_0	54	85	50	6	5	–	–	9	9	800
	Portland Bill	04·8	+32	SW	5	o	51	92	49	7	5	–	–	10	10	2500
	Plymouth	06·1	+30	WSW	5	b-bc	55	85	50	7	2	4	1	2-3	2-3	2000
	The Lizard	06·3	+22	W	3	b-bc	57	85	54	8	1	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	05·8	+18	SW	4	bc	57	75	49	7	2	6	2	1	4-6	1500
	Guernsey															
6	Pembroke	03·4	+20	WSW	4	b-bc	53	85	49	6	2	–	4	2-3	2-3	2000
7	Holyhead (Valley)	00·9	+20	W	3	z_0	52	85	48	6	5	–	–	10	10	1000
	Chester (Sealand)	00·1	+12	WNW	3	c/r	52	85	48	6	5	2	–	2-3	10	2500
8	Manchester	99·8	+14	W'N	3	id_0	53	97	51	4	–	2	–	10	10	600
10	Spurn Head	00·6	+4	SSW	4	z_0	57	85	53	6	5	–	–	10	10	2000
	Catterick (Sc)	98·3	-4	SSW	1	cf–	54	92	53	3	5	7	–	9+	10	3000
	Tynemouth	99·2	-2	SSW	2	m	50	92	49	4	5	–	–	9+	9+	1600
11	St. Abbs Head	98·0	0	WNW	1	o/r	47	97	47	7	5	–	–	10	10	3000
	Leuchars	97·5	-2	WSW	1	z_0	51	85	46	6	5	7	–	7-8	9+	1300
12	Renfrew (Abbots I.)	99·0	+2	W	2	z_0	53	75	33	6	5	2	–	7-8	10	3000
	Eskdalemuir	97·9	0	S	2	z_0	50	75	43	6	5	–	–	10	10	2500
	Point of Ayre	99·3	+10	WNW	3	z_0	50	97	49	6	5	–	–	10	10	1000
13A	Tiree	98·8	+2	NNW	2	b	53	85	43	8	–	4	5	0	Tr	–
13B	Stornoway	96·8	-10	–	0	c	51	97	49	7	1	1	–	2-3	10	2000
15	Dalwhinnie	97·0	-6	SSW	3	ir_0	46	92	44	7	5	2	–	4-6	10	2500
	Aberdeen	97·0	-10	S'W	2	z_0	55	75	46	5	5	7	–	Tr	10	1500
	Wick	96·7	-14	ESE	2	z_0	48	85	43	6	–	3	5	0	9	–
16	Sumburgh	98·0	-18	E'S	3	r_0r_0	46	97	46	6	5	2	–	9+	10	300
17	Blacksod Point	99·8	-2	SW	2	b-bc	55	75	48	8	8	–	–	2-3	2-3	2500
18	Malin Head	98·7	+2	NW	1	c-bc	52	85	48	7	5	–	–	7-8	7-8	2500
	Aldergrove	99·3	+6	W'S	2	z_0	54	75	48	6	5	7	–	7-8	9	3500
19	Birr Castle	00·4	+2	SSW	2	c	60	58	44	8	5	–	–	9	9	2500
20	Valentia Obsy.	01·8	+2	SSW	4	c	58	75	50	8	2	3	–	4-6	9+	2500
	Roches Point	02·9	+10	SSW	4	bc	57	85	50	8	2	3	–	1	4-6	2500

OBSERVATIONS at 18h. G.M.T. 22nd April

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)	07·4	+24	SW	3	z_0	55	75	48	6	7	3	–	2-3	7-8	2500	1	*
	Croydon	08·2	+22	SW	3	c	55	85	51	6	5	–	–	2-3	10	1000	1	*
	S. Farnborough	07·5	+22	SSW	3	z_0	56	75	48	6	8	7	–	2-3	2-3	2000	1	*
	Boscombe Down	07·3	+14	SW	3	b-bc	53	75	49	7	1	–	1	1	2-3	3000	1	*
	Thorney Island	08·5	+14	SW	4	b	55	75	47	7	–	4	1	0	1	–	0	*
	Lympne	09·3	+18	WSW	4	bc	54	75	46	7	1	–	2	1	4-6	500	1	§4
	Manston	08·0	+16	WSW	3	c	55	75	49	7	2	7	2	2-3	9+	1000	1	*
	Shoeburyness	07·8	+14	SE	4	c-bc	55	85	49	6	5	–	–	7-8	7-8	1500	0	*
	Felixstowe	06·5	+18	SSW	4	c/pr	53	92	51	6	5	–	–	9+	9+	1500	0	4
	Gorleston	04·9	+4	SSW	4	c	58	85	51	7	8	–	–	10	10	1800	0	4
	Mildenhall	04·8	+14	SW'S	5	z_0	57	75	49	6	5	–	–	10	10	1200	0	*
	Cranwell	03·3	+30	W'S	4	c/r	54	85	51	6	5	–	–	4-6	9+	1000	1	*
3	Birmingham	06·0	+24	SW	3	bc	54	75	47	7	5	3	2	1	4-6	800	1	*
	Upper Heyford	05·3	+26	SW'W	4	b-bc	55	78	46	7	1	–	2	2-3	2-3	3500	0	*
4	Ross-on-Wye	05·7	+16	SW'W	4	b-bc	55	65	44	7	2	–	1	2-3	2-3	3000	0	*
5	Hartland Point	05·4	+8	WSW	3	b-bc	53	85	48	7	1	–	2	Tr	2-3	2000	0	4
	Bristol	07·6	+10	W	2	b	56	75	49	8	–	3	–	0	1	–	1	*
	Portland Bill	08·6	+12	SW	4	bc	52	92	50	8	2	–	–	4-6	4-6	4000	1	5
	Plymouth	07·8	+6	SSW	3	z_0	53	92	51	6	8	–	–	4-6	9	1000	0	1
	The Lizard	07·1	+2	SSW	3	bc	53	92	51	7	5	–	–	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	06·1	+2	S'W	3	c-bc	54	92	51	6	5	3	2	1	7-8	1500	1	3
	Guernsey																	
6	Pembroke	05·3	+8	SW	3	z_0	52	92	50	6	–	7	–	0	2-3	–	0	2
7	Holyhead (Valley)	02·6	+10	SSW	5	z_0	53	85	46	6	–	4	–	0	Tr	–	1	3
	Chester (Sealand)	02·9	+22	WSW	2	bc	57	55	42	6	–	4	9	0	4-6	–	0	*
8	Manchester	03·4	+18	S'W	2	m	52	85	49	4	5	7	–	7-8	9+	1500	1	*
10	Spurn Head	02·1	+12	SW	3	ir_0	57	92	54	6	5	–	–	10	10	1500	1	3
	Catterick (Sc)	00·5	+14	SW	3	z_0	53	85	48	6	5	–	–	7-8	7-8	2000	1	*
	Tynemouth	00·6	+8	SW	3	z_0	53	75	46	6	8	–	–	2-3	2-3	2500	0	*
11	St. Abbs Head	98·2	+2	W	1	z_0	52	85	47	6	5	7	–	7-8	9+	2500	0	2
	Leuchars	97·5	+6	WSW	3	z_0	56	75	48	6	5	–	–	4-6	4-6	4000	0	*
12	Renfrew (Abbots I.)	99·6	+8	SSW	3	z_0	53	75	46	6	8	–	–	2-3	2-3	2500	0	*
	Eskdalemuir	99·5	+10	SW	3	z_0	51	75	44	6	5	–	–	7-8	7-8	2200	1	*
	Point of Ayre	00·9	+14	S	2	bc	53	85	49	7	–	3	9	0	4-6	–	0	2
13A	Tiree	99·0	+2	SSW	1	c	51	85	45	9	5	–	–	9+	9+	6000	0	2
13B	Stornoway	97·4	+2	W	1	z_0	50	85	47	6	1	3	–	4-6	4-6	2000	1	1
15	Dalwhinnie	97·5	0	WSW	2	bc	49	65	39	7	8	–	1	4-6	4-6	2500	1	*
	Aberdeen	96·5	0	SSW	2	z_0	51	85	46	5	5	3	–	7-8	10	4000	0	2
	Wick	96·4	-2	SW	2	z_0	52	75	45	6	–	7	–	0	10	–	0	*
16	Sumburgh	96·9	+2	S'W	2	z_0	45	97	45	6	5	–	–	10	10	200	1	3
17	Blacksod Point	98·6	-10	S'W	3	bc	53	75	46	8	8	5	–	2-3	4-6	2500	0	3
18	Malin Head	98·7	+2	–	0	c	52	75	45	8	8	–	–	9+	9+	2500	0	1
	Aldergrove	99·7	+4	SSW	2	z_0	57	65	43	5	7	–	–	9+	9+	5000	1	*
19	Birr Castle	00·3	-2	SSW	2	c-bc	59	55	43	8	5	–	–	7-8	7-8	2500	0	*
20	Valentia Obsy.	99·8	-10	S	5	pr	54	83	50	8	2	3	–	9	9+	2500	0	4
	Roches Point	02·3	-6	SSW	4	bc	55	92	53	8	2	3	–	1	4-6	2500	0	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 22nd. (39)	13h.—18h. 22nd (40)	18h. 22nd–1h. 23rd (41)	1h.–7h. 23rd. (42)
1	London (Kew)	$r_0id_0cm_0$	r_0id_0bc	bcz_0b	cr_0rcm_0
	Croydon	$cr_0r_0d_0m_0$	cm_0	cm_0bm_0	$cm_0d_0r_0$
	S. Farnborough	$cm_0ir_0m_0$	$cm_0d_0dcbm_0$	$bbcbm_0m_0$	bm_0Wcr_0
	Boscombe Down	cd_0m_0odF	cid_0m_0cbc	bbm_0of	$pFcm_0c$
	Thorney Island	$cd_0d_0m_0cm_0$	cm_0jprb	bm_0cm_0	$cmpr_0c$
	Lympne	$cd_0d_0m_0$	cid_0m_0cbc	$bcbm_0bw$	$bccw$
	Manston	$cr_0d_0d_0m_0$	c	$bbcm_0$	cm_0c
	Shoeburyness	cid_0m_0c	c		cbc
	Felixstowe	cir_0m_0c	$cpr_0m_0cm_0$	cm_0bcm_0	bcm_0cm_0
	Gorleston	c q	c	bz_0w	$bcwc$
	Mildenhall	$ccid_0c$	cm_0	bm_0bcm_0	bcm_0 [illegible]
	Cranwell	cm_0id_0c	$cn_0r_0cm_0$	cm_0bm_0	$bm_0cm_0m_0$
3	Birmingham	oir_0	$orbc$	bcc	dirm
	Upper Heyford	$cid_0d_0d_0m_0$	cid_0cm_0	bbm_0	$bcir_0cm_0$
4	Ross-on-Wye	cm_0cbc	cebc	bc	bbccr
5	Hartland Point	Fdfidc	cbc	bcc	cbcc
	Bristol	$ciriRcm_0$	cm_0cbcb	$bcbbcm_0$	cm_0,dc
	Portland Bill	o	bc	bcc	co
	Plymouth	cm_0	$bccm_0$	cm_0	$cm_0ir_0r_0r_0$
	The Lizard	bc	bcbcc	bcprc	comrc
	Scilly (St. Mary's)	bc	bcc	$bccbcw$	bcc
	Guernsey				
6	Pembroke	cbm_0	bcm_0	cm_0	cq
7	Holyhead (Valley)	cm_0	cbm_0	$bbccm_0$	cm_0
	Chester (Sealand)	cm_0	cm_0r_0y	$bczoy$	cm_0
8	Manchester	$ffrrd_0d_0$	oid_0cm	$bczobm_0$	$bccm_0$
10	Spurn Head	om_0p	om_0ir_0	cbc	c
	Catterick (Sc)	rrfcf	cfm_0	cm_0bcm	$bcmbcf$
12	Renfrew (Abbots I.)	cr_0m_0	$cm_0ir_0cz_0$	bcm	cr_0m_0
	Eskdalemuir	dfm_0	ocb	bcc	r_0r_0c
	Point of Ayre	om_0r	ocm_0	cm_0bc	$bccm_0$
13A	Tiree	rim_0cm_0	cm_0bcm_0	bm_0bc,cm_0	cm_0irom
13B	Stornoway	$cm_0r_0r_0fz_0$	cz_0bczcz_0	$cm_0r_0r_0m_0$	$cm_0ir_0cz_0$
15	Dalwhinnie	cr_0m_0	$cm_0ir_0cz_0$	bcm	cr_0m_0
	Aberdeen	dfm	ocb	bcc	r_0r_0c
	Wick	cm_0	cm_0	bcm_0	cm_0c
	Sumburgh	$cr_0r_0m_0$	$cr_0r_0cm_0$	cm_0ff	fcm_0
17	Blacksod Point	bc	bc	c	pr
18	Malin Head	c	bc	bc	c
	Aldergrove	$nr_0r_0cm_0$	cz_0ybcz_0y	cm_0b	$bccm_0$
19	Birr Castle	c	c	•	pr
20	Valentia Obsy.	c	pr	pr	pr
	Roches Point	bc	bc	bc	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 23rd April

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

Moderate south wind, fresh or strong locally, veering southwest. Rain at first; bright intervals, showers later with local thunder: rather warm becoming colder temporarily to-morrow.

16 Orkneys and Shetlands	As 1-15.
17 N.W. Ireland ↓	
18 N.E. Ireland ↓	
19 S.E. Ireland ↓	
20 S.W. Ireland ↓	

GENERAL INFERENCE

A depression northwest of Ireland is moving northeast and associated fronts will cross the British Isles. There will be rain at first in most districts followed by bright intervals and showers.

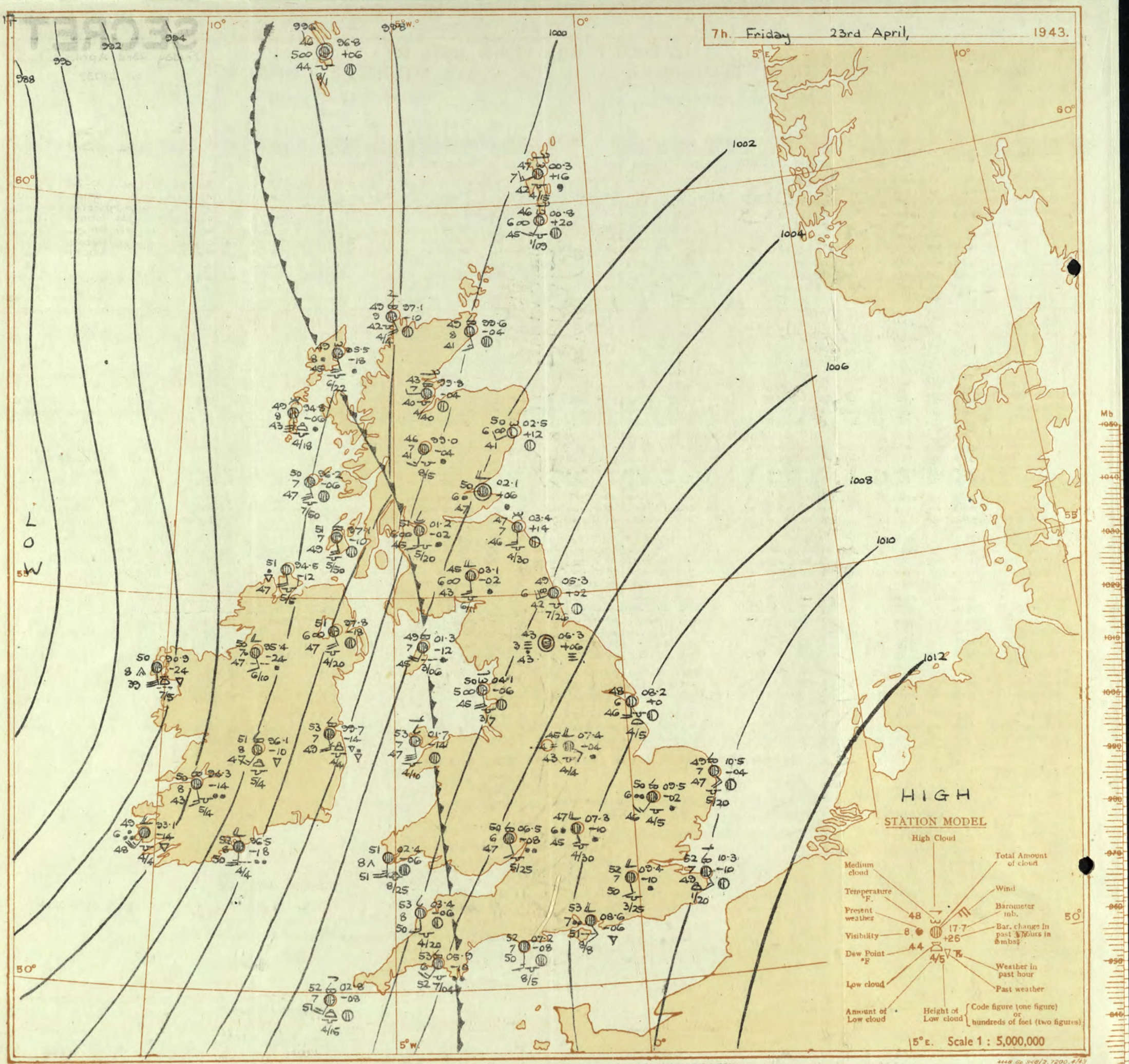
FURTHER OUTLOOK

Unsettled with further rain in most districts.

↓ Gale warning in operation in districts 6, 7, 8, 12, 13A, 13B, 17, 18, 19, 20. Issued 0535 G.M.T. 23.4.43.

Forecasts issued at

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



H.M.S.O. Press, 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.

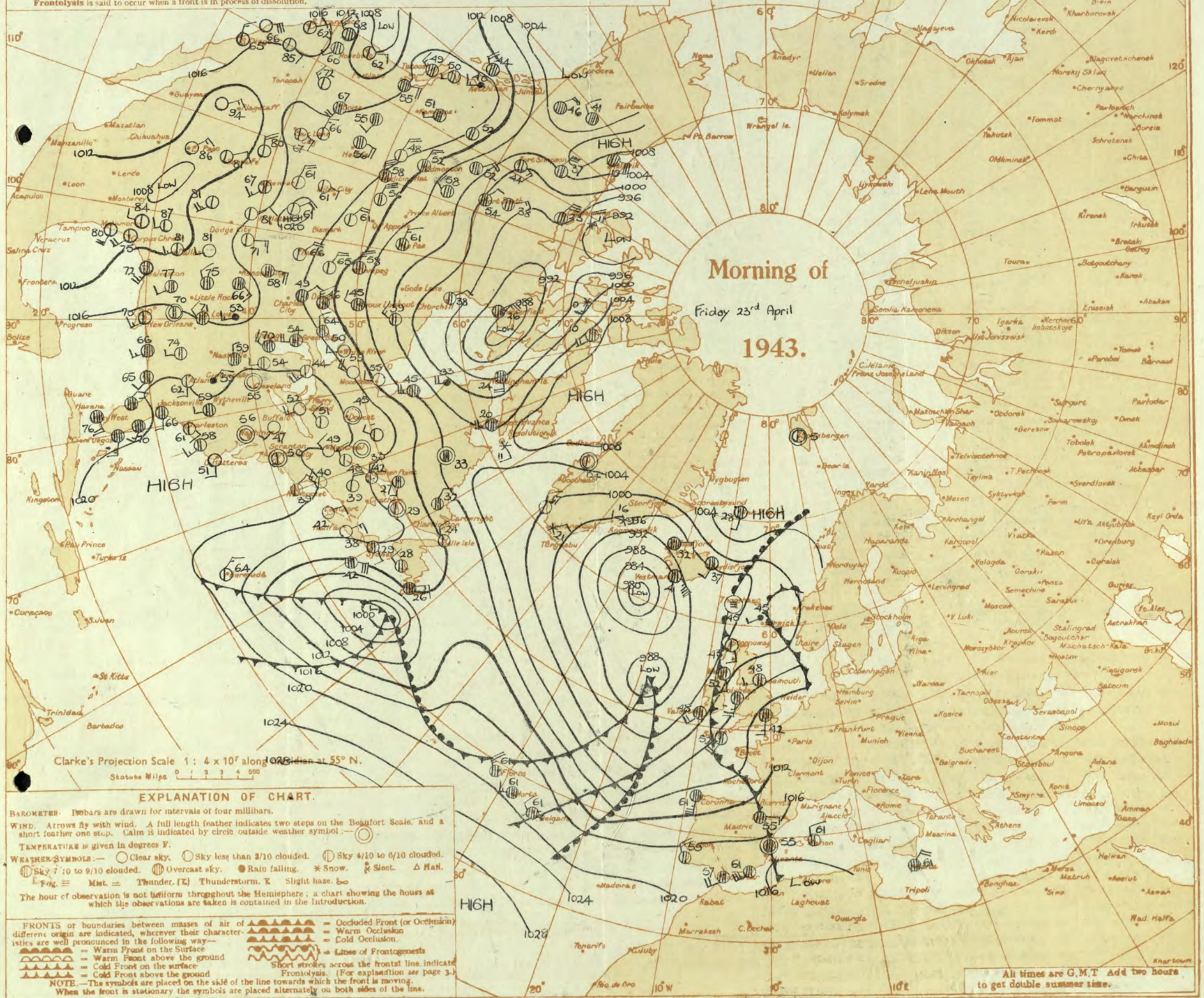
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Friday 23rd April, 1943

No. 29737.

OBSERVATIONS at 1 hr. G.M.T. 23rd April,

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	11·5	+2	S'E	3	zo	47	97	46	5	5	-	2	2-3	9	2500
	S. Farnborough	226	10·3	-2	SSE	3	zo	46	97	44	5	-	4	4	0	2-3	-
	Boscombe Down	417	09·8	-2	SE'S	3	f	46	97	46	1	-	-	-	10	10	<150
	Thorney Island	10	10·4	-4	E'S	1	zo	48	97	47	6	5	-	-	10	10	4500
	Lympne	283	12·0	0	S	2	cbc	48	97	47	7	-	-	6	0	7-8	-
	Manston	154	11·9	+6	S'E	3	zo	45	97	45	6	-	-	6	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10·8	+8	SW'W	1	zo	50	92	47	6	-	-	6	0	7-8	-
	Gorleston	5	09·9	+12	S'W	3	zo	50	97	49	6	-	-	*	0	0	-
	Mildenhall	15	10·2	+12	S'W	3	zo	49	85	46	5	-	-	5	0	2-3	-
	Cranwell	203	08·4	+10	SW	4	zo	47	85	43	6	-	-	1	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·7	+2	S'E	1	zo	45	97	44	5	-	-	5	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·2	-4	S	4	c-bc	51	85	47	7	5	4	-	4-6	7-8	2500
	Bristol	209	08·8	-2	SSE	2	zo	47	92	44	6	-	3	-	0	7-8	-
	Portland Bill	32	08·8	-10	SW	3	c	50	92	49	8	5	-	-	10	10	4000
	Plymouth	82	08·1	-6	SSE	3	zo	52	85	49	6	5	7	-	7-8	10	2000
	The Lizard	240	06·3	-10	S	4	c	52	97	52	7	5	-	-	10	10	500
	Scilly (St. Mary's)	163	04·6	-16	S'W	4	zo	52	97	51	6	5	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	05·4	-2	S'E	4	zo	51	92	49	6	5	-	-	10	10	2500
7	Holyhead (Valley)	32	04·7	-2	S	5	zo	51	85	45	6	5	3	-	2-3	9+	2500
	Chester (Sealand)	16	05·7	+6	-	0	c-bc	47	85	42	6	5	-	-	7-8	7-8	2500
8	Manchester	235	06·9	+8	S'E	3	zo	47	85	42	5	-	4	-	0	4-6	-
10	Spurn Head	29	08·0	+16	SW	3	b-bc	49	85	45	7	7	-	-	2-3	2-3	4000
	Catterick (Sc)	192	05·8	+10	SW	2	m	48	75	42	4	-	-	2	0	2-3	-
	Tynemouth	108	04·2	+14	WSW	3	zo	48	85	44	6	5	-	-	4-6	4-6	2500
11	St. Abbs Head	280	01·5	+14	SW	5	b-bc	48	92	46	7	5	-	-	2-3	2-3	2500
	Leuchars	36	01·0	+6	SSW	2	zo	46	97	45	6	5	7	-	7-8	10	2000
12	Renfrew (Abbots I.)	19	01·6	+2	-	0	zo	47	85	44	5	5	3	-	7-8	9+	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	02·8	+6	SW'S	4	c	50	92	48	7	4	3	-	2-3	9+	1800
13A	Tiree	44	98·1	-12	SE'S	3	c	49	85	46	8	5	-	-	9+	9+	500
13B	Stornoway	15	98·4	-2	S	3	b-bc	43	85	40	8	5	4	1	Tr	2-3	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	00·7	+32	-	0	bc	43	92	40	7	-	3	6	0	4-6	-
	Wick	114	99·5	+10	SW	1	zo	39	85	36	6	-	7	-	0	4-6	-
16	Sumburgh	19	97·8	+2	WSW	2	of	46	97	46	3	5	-	-	10	10	200
17	Blacksod Point	18	96·0	-6	SSW	5	c	49	75	42	8	9	-	-	9	9	1500
18	Malin Head	84	97·1	-14	S	2	c-bc	52	75	45	8	5	-	1	4-6	7-8	2500
	Aldergrove	268	00·7	-2	SSE	3	b	49	85	46	7	-	4	-	0	1	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	98·1	-18	SSW	4	c	48	85	44	9	7	-	-	9+	9+	2500
	Roches Point	22	00·6	-14	S	5	c	53	97	52	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 23rd April, — PAST 24 HOURS.

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	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)
1	London (Kew)	08·4	-12	SSE	2	zo	52	92	49	6	5	2	-	4-6	10	4000	1	*	55	43	29	Tr	0·5	0·1
	Croydon	09·4	-10	S'E	2	c	52	92	50	7	5	2	-	2-3	10	2500	1	*	56	45	40	0·3	0·5	0·3
	S. Farnborough	07·9	-8	SSE	2	,zo	50	92	48	6	-	2	-	10	10	600	1	*	56	44	31	0·3	0·3	1·0
	Boscombe Down	07·8	-10	SE'S	3	ido	50	97	49	6	5	7	-	4-6	10	3000	1	*	56	43	39	0·6	-	1·3
	Thorney Island	08·6	-6	SE	2	roro	53	92	51	7	6	2	-	10	10	7200	1	*	56	44	33	Tr	0·3	*
	Lympne	10·0	-8	SE	3	c	53	85	50	7	-	8	6	0	9	-	1	§4	55	45	34	Tr	-	1·0
	Manston	10·3	-10	SE'S	3	c	52	92	49	7	2	7	8	Tr	9	2000	1	*	59	45	40	Tr	-	1·7
2	Shoeburyness	10·4	-12	SSE	3	c	54	85	50	7	1	3	-	Tr	9+	2500	0	*	58	47	35	Tr	-	0·6
	Felixstowe	09·4	-14	SE	5	zo	53	85	47	6	7	7	1	4-6	7-8	4000	0	3	60	45	35	Tr	-	2·3
	Gorleston	10·5	-4	SE'S	4	c	49	92	47	7	5	7	-	7-8	9	2000	0	3	60	47	41	-	-	4·2
	Mildenhall	09·5	-2	SSW	3	roro	50	85	46	6	5	7	-	4-6	10	2500	1	*	61	42	37	-	4	0·1
	Cranwell	07·9	-2	S	3	c/r	45	97	45	5	5	7	-	2-3	10	1500	1	*	60	43	26	0·6	Tr	0·6
3	Birmingham	07·1	-4	SE	3	iro	46	97	45	4	5	7	-	9	9+	800	1	*	57	44	41	1	1	0·3
	Upper Heyford	07·3	-10	SE	1	iro	47	92	45	6	5	2	-	4-6	10	3000	0	*	57	43	41	1	Tr	*
4	Ross-on-Wye	06·5	-8	SSE	2	c/r	50	92	47	6	5	7	-	7-8	9+	2500	1	*	58	47	37	Tr	2	0·8
5	Hartland Point	03·4	-6	S	3	c-bc	53	85	50	8	5	4	-	4-6	7-8	2000	0	3	55	50	48	0·3	-	7·0
	Bristol	06·5	-10	SE'S	2	c	51	92	49	7	5	7	2	7-8	9+	4000	0	*	58	45	36	3	Tr	4·8
	Portland Bill	07·2	-8	S	3	o	52	92	50	7	5	-	-	10	10	2500	1	4	52	48	*	-	-	*
	Plymouth	05·9	-10	SSW	3	c/r	53	97	52	6	5	7	-	9+	10	400	1	2	56	51	44	-	0·6	5·6
	The Lizard	03·9	-10	SSW	5	c/r	52	97	52	7	5	-	-	9+	9+	800	1	4	58	51	*	-	0·4	8·4
	Scilly (St. Mary's)	02·8	-8	S'W	4	c	52	97	51	7	8	7	3	4-6	9	1500	1	4	58	51	*	-	-	11·4
	Guernsey																							
6	Pembroke	02·4	-6	S	5	cq	51	97	51	8	8	-	-	10	10	2500	0	3	54	49	*	0·3	-	8·2
7	Holyhead (Valley)	01·7	-14	SSE	6	c	53	85	47	7	5	4	2	4-6	9	1000	1	4	55	49	46	0·2	-	*
	Chester (Sealand)	04·8	-4	S	3	c	49	85	45	6	5	7	-	7-8	9+	3500	0	*	60	47	37	2	-	3·1
8	Manchester	05·9	-2	SSE	4	iro	49	85	45	6	5	7	-	4-6	10	2500	1	*	59	46	40	5	0·1	*
10	Spurn Head	08·2	0	S	4	bc	48	92	46	6	7	-	-	4-6	4-6	2500	1	3	59	45	44	0·2	3	0·7
	Catterick (Sc)	06·3	+6	-	0	rf	43	97	43	3	-	-	-	10	10	<150	1	*	56	42	35	1	Tr	0·5
	Tynemouth	05·3	+2	WSW	4	zo	49	75	42	6	5	-	-	9+	9+	2600	1	2	55	45	39	1	Tr	*
11	St. Abbs Head	03·4	+14	S	3	c-bc	47	92	46	7	5	6	-	4-6	7-8	3000	0	3	52	45	*	1	-	*
	Leuchars	02·1	+6	-	0	iro	50	92	47	6	-	2	-	10	10	4000	0	*	57	45	36	1	Tr	1·5
12	Renfrew (Abbots I.)	01·2	-2	S'E	3	zo	51	75	45	6	5	9	-	7-8	9+	2000	1	*	57	46	33	1	0·3	3·5
	Eskdalemuir	03·4	-2	S'E	3	zo	45	92	43	6	5	2	-	9	10	1100	1	*	52	39	32	0·1	0·2	0·4
	Point of Ayre	01·3	-12	S'W	4	c	49	92	45	7	6	7	-	2-3	9+	600	1	3	57	47	*	0·5	0·1	4·5
13A	Tiree	96·2	-6	SSE	5	c	50	85	47	7	5	-	-	9+	9+	5000	0	4	56	48	44	-	-	4·9
13B	Stornoway	95·5	-18	SSE	4	iro	49	85	45	8	5	3	-	9	9+	2200	1	3	52	42	33	-	Tr	2·7
15	Dalwhinnie	99·0	-4	SSW	3	o	46	85	41	7	5	-	-	10	10	2500	1	*	52	34	27	1	Tr	1·6
	Aberdeen †	02·5	+12	SWW	2	zo	50	75	41	6	-	3	-	0	2-3	-	0	2	55	43	31	Tr	-	0·6
	Wick	99·6	+4	SSE	3	c-bc	49	75	41	8	-	7	-	0	7-8	-	0	*	52	38	32	-	-	*
16	Sumburgh	00·8	+20	SSW	3	zo	46	97	45	6	5	3	2	Tr	9	900	1	1	48	45	40	2	0·1	0·0
17	Blacksod Point	90·9	-24	S'E	6	q	50	65	39	8	9	-	-	9+	9+	2500	1	5	56	46	*	-	2	*
18	Malin Head	94·5	-12	S'E	4	pro	51	85	47	8	5	-	-	7-8	7-8	2500	0	4	53	47		-	Tr	4·4
	Aldergrove	97·8	-18	SSE	4	zo	51	85	47	6	5	-	-	4-6	9	2000	1	*	60	46	43	2	-	5·2
19	Birr Castle	96·1	-10	SSW	3	c	51	85	47	8	8	7	-	7-8	9	1500	0	*	64	50	45	-	1	6·9
20	Valentia Obsy.	93·1	-14	SSW	5	rr	49	97	48	6	5	2	-	4-6	10	1500	1	4	58	45	40	Tr	4	6·1
	Roches Point	96·5	-18	S	5	c/r	52	92	50	8	6	2	-	4-6	9	1500	1	5	58	52	*	-	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd April ... 18h. G.M.T. — 01h. G.M.T. 23rd April ... 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	51	05664	11227	57	05664	17227	01	05609	17213	53	05771	16324
115	51	02744	08328	52	09635	24328	54	02844	20225	57	02944	12427
203				54	02853	16214	54	01853	12314	8-	02847	12317
206	07	61690	12128	57	05664	14228	5-	02965	24115	57	02764	24117
210	07	05690	28127	57	02875	21326	03	01890	20114	03	02890	15227
219	14	01862	27314	03	01890	20312	53	01863	12214	86	02844	16665
230	01	02790	16168	44	05861	16222	55	05763	08124	53	05656	14127
245	5-	05648	15168	55	01861	22324	5-	02667	22117	09	05590	08118
260	52	05546	24128	52	05566	20328	57	05555	20228	5-	05655	14326
278	51	05657	32128	03	02790	18314	03	02790	18366	52	02736	14428
279	01	21548	22268	53	05655	20326	5-	05647	20417	53	02766	12327
285	6-	05628	20228	27	05625	24467				5-	61748	08268
288	57	41445	18267	57	05652	20327	03	05590	18224	57	05663	01227
575	20	05663	00013	84	02774	18125	57	02748	18217	62	61746	14268
301	5-	05648	24368	00	05690	24223	5-	05667	15317	53	05573	13426
321	5-	05648	16468	57	05555	22367	00	05590	16220	52	62445	14268
[illegible]	5-	05647	12457	8-	22645	18265	00	05590	22300	54	05654	16215
292	57	51436	00067	57	05663	22356	03	05590	20112	5-	62648	14268
310	--	57209	16359				-			--	64428	20468
614	52	22536	18368	20	05543	22313	00	05690	18301	52	61576	14268
333	5-	05558	24328	04	01790	22411	07	05590	51428	54	05644	15525
334										--	03647	26328
340	8-	02648	24228	16	01753	22214	03	05690	18214	52	05564	14327
136?	8-	05635	19388	57	05636	20458				57	61645	14217
336	52	02754	24328	10	01753	24313				57	02656	16328
350	9-	02747	16427	57	05643	22455	04	05690	16212			
368	80	05654	57554	03	00790	24302	52	61656	16128	57	05655	16328
379	54	21526	20458	10	05651	18423	53	47243	16344	57	61535	14268
390	5-	05547	16428	13	05552	20422	00	47390	16245	52	22544	14268
382	57	61646	18468				07	08490	14113	57	22666	16368
438	8-	25527	20747	44	01753	20614	50	01764	16314	50	02755	18315
430	5-	05538	18428	00	01790	20423	5-	05568	09128	52	62644	14168
409	10	01752	22514	50	01762	19404	5-	61636	50528	53	02836	16427

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 23rd April, 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	roidocmo	roicloc	zbcror,mo
Croydon	crorodcmo	cmo	cmcdro
Greenwich	ciro	cicicb	bcrc
Camden Square	c	c	*
Kensington	cq	obc	*
Hampstead	od	bcor	od

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·1, Time 15-19h 22nd; Min. <0·1, Time 9-14h 22nd

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	55	43	29	Tr	0·5	0·1	*	*
Croydon	56	45	40	0·3	0·5	0·3	*	*
Greenwich	57	43	29	Tr	0·5	0·0	86	84
Westminster	57	46	39	0·3			87	88
Regents Park	59	45	33	Tr	0·4		82	87
Camden Square	56	45	35	-	0·5	*	*	87
Kensington	57	44	35	Tr	0·4		77	87
Hampstead	55	46	37	0·2	1		*	94

SECRET

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

Saturday 24th April 1943. No. 29733

OBSERVATIONS at 13h. G.M.T. 23rd April

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)	06·4	-12	S	3	r₀r₀	55	92	53	6	6	2	-	7-8	10	800
	Croydon ...	07·6	-6	S'W	4	rr	56	97	55	6	6	2	-	9	10	1200
	S. Farnborough	06·2	-10	S'W	4	ir	55	92	52	6	5	2	-	9+	10	700
	Boscombe Down	05·3	-14	S'E	4	ir₀	55	92	53	8	5	-	-	9	10	800
	Thorney Island	06·9	-10	SSE	4	pr	54	92	53	7	7	3	-	9	9+	1500
	Lympne ...	08·9	-10	S	3	rf	52	97	52	2	-	2	-	10	10	<150
	Manston ...	08·9	-10	S'W	4	rr	55	97	55	6	6	2	-	9	10	500
	Shoeburyness ...	08·5	+4	S'E	4	rr	55	92	53	6	5	-	-	10	10	1500
	Felixstowe ...	07·2	-16	SSE	3	ir₀	54	92	53	6	5	-	-	9+	9+	1500
	Gorleston ...	07·6	-6	SSE	3	r₀r₀	52	85	49	6	6	-	-	10	10	1800
	Mildenhall ...	06·6	-10	S'E	3	r₀r₀	56	85	53	6	5	-	-	4-6	10	2000
	Cranwell ...	05·1	-16	S'E	4	r₀r₀	55	97	55	5	-	2	-	10	10	400
3	Birmingham ...	03·5	-20	SSE	4	c	58	75	50	7	6	7	-	7-8	9+	800
	Upper Heyford	04·5	-18	SW'S	3	c	56	85	52	8	5	-	-	10	10	800
4	Ross-on-Wye	03·1	-14	SSW	2	c/pr	57	85	53	8	6	-	-	9+	10	2500
5	Hartland Point	00·7	-12	S	4	c-bc/r	56	97	55	8	8	6	-	4-6	7-8	1200
	Bristol ...	03·9	-12	SSW	4	c/pr	57	85	53	8	9	-	-	9+	9+	1500
	Portland Bill ...	05·8	-4	S	3	c	53	92	51	8	5	-	-	10	10	4000
	Plymouth ...	03·7	-10	SSW	4	c/r	54	92	52	6	5	2	-	9+	10	1000
	The Lizard ...	01·8	-10	S'W	5	o/pr	53	97	52	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	99·5	-14	SSW	5	rr	51	92	49	6	5	2	-	7-8	10	800
	Guernsey ...															
6	Pembroke ...	99·6	-10	S	5	c	53	92	52	7	8	-	-	9+	9+	2500
7	Holyhead (Valley)	99·4	-10	SSE	5	c-bc	58	75	49	7	5	3	1	4-6	7-8	1500
	Chester (Sealand)	01·8	-22	SSW	3	c-bc	59	65	49	7	5	7	-	7-8	7-8	2500
8	Manchester ...	02·4	-22	S'E	4	c	58	65	47	7	2	9	3	4-6	9+	2500
10	Spurn Head ...	05·7	-14	SE'S	5	pr	52	92	50	6	5	1	-	7-8	10	2200
	Catterick (Sc) ...	03·0	-30	SE	2	mlf	55	85	51	4	5	3	-	7-8	9	1200
	Tynemouth ...	03·6	-8	SE	4	z₀	50	85	43	6	5	3	2	4-6	7-8	2600
11	St. Abbs Head	00·6	-24	SE	3	c	51	97	50	5	5	6	-	4-6	9	2500
	Leuchars ...	99·9	-22	ESE	3	c	60	75	50	7	8	3	4	4-6	9	2800
12	Renfrew (Abbots I.)	99·0	-14	S'E	3	z₀	56	75	48	6	5	7	-	4-6	9+	1400
	Eskdalemuir ...	00·1	-10	S	4	z₀	55	75	46	6	8	-	-	9	9	1800
	Point of Ayre ...	99·0	-12	S'W	5	c	55	85	49	7	9	-	9	7-8	9	2500
13A	Tiree	93·1	-14	S'E	5	c/r	51	85	47	7	5	7	-	4-6	9+	2000
13B	Stornoway ...	93·8	-12	SE	5	c	52	85	47	8	5	-	-	9	9	2200
15	Dalwhinnie ...	98·5	-10	S	4	ir₀	48	85	44	6	5	2	-	7-8	10	1500
	Aberdeen ...	01·3	-12	SSE	4	z₀	53	75	43	6	-	3	-	0	7-8	—
	Wick ...	99·6	+2	SSE	3	z₀	51	85	44	6	-	7	-	0	7-8	—
16	Sumburgh ...	00·7	-4	SSE	2	z₀	50	85	47	6	-	-	2	0	4-6	—
17	Blacksod Point	93·7	+26	W'S	4	c	50	55	35	8	5	-	-	10	10	2500
18	Malin Head ...	92·0	-10	S'W	5	ir	53	85	49	8	5	2	-	4-6	10	1500
	Aldergrove ...	94·9	-14	SSE	4	c	55	75	46	8	5	2	-	4-6	10	1000
19	Birr Castle ...	94·4	+2	SSW	3	ir	50	92	48	7	6	2	-	7-8	10	800
20	Valentia Obsy.	96·1	+14	WNW	4	b	51	45	31	9	2	-	3	1	1	2500
	Roches Point	94·6	+10	W	5	c/r	50	92	48	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 23rd April

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)	04·0	-6	SSW	4	c-bc	57	75	51	8	9	3	-	4-6	7-8	800	1	*
	Croydon ...	06·1	-8	SSW	3	bc	59	85	56	6	9	-	1	4-6	4-6	2500	1	*
	S. Farnborough	04·0	-12	SSW	3	c	59	75	50	8	8	7	8	9	9	2100	1	*
	Boscombe Down	03·6	-8	S	4	c/pr	53	97	52	7	8	3	-	4-6	9	1200	1	*
	Thorney Island	05·1	-12	SSE	4	c-bc	57	92	55	8	8	-	-	7-8	7-8	4000	1	*
	Lympne ...	06·4	-10	SE	2	c-bc/pr	54	85	49	8	2	8	3	2-3	7-8	800	1	§
	Manston ...	06·5	-14	SSW	4	c	57	85	53	7	5	9	-	2-3	9	1500	1	*
	Shoeburyness ...	06·0	-14	S	4	c-bc	56	85	52	8	5	-	-	7-8	7-8	2500	1	*
	Felixstowe ...	06·2	0	SE	4	c-bc	54	85	49	9	3	9	-	2-3	7-8	4000	1	3
	Gorleston ...	05·5	-12	S'E	5	c-bc	55	85	51	7	8	7	-	4-6	7-8	2000	1	4
	Mildenhall ...	03·9	-8	SSW	4	bc	59	75	51	8	1	6	-	4-6	4-6	2000	1	*
	Cranwell ...	02·0	-6	S'W	4	c-bc	57	85	52	7	8	7	3	7-8	7-8	1500	1	*
3	Birmingham ...	01·5	-12	S	5	b-bc	57	65	45	8	8	-	-	2-3	2-3	4000	1	*
	Upper Heyford	02·0	-10	SSW	3	c/p	58	75	49	8	8	3	8	4-6	9	1800	0	*
4	Ross-on-Wye	00·3	-14	S'W	4	c-bc	57	75	47	8	2	1	6	4-6	7-8	3000	1	*
5	Hartland Point	98·2	-10	SW	5	rr	50	97	49	6	6	2	-	7-8	9+	600	1	4
	Bristol ...	01·7	-14	S'W	4	c	56	75	50	8	8	6	-	7-8	9	2500	1	*
	Portland Bill ...	03·9	-12	S	5	rr	52	92	50	7	5	-	-	10	10	2500	1	4
	Plymouth ...	01·2	-10	SW	4	rr	51	97	50	6	6	2	-	7-8	10	600	1	3
	The Lizard ...	00·6	-8	W'N	5	c-bc	55	85	51	8	8	6	-	7-8	7-8	1000	1	3
	Scilly (St. Mary's)	00·2	+16	WNW	4	c-bc/p	53	75	46	8	8	6	2	7-8	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	97·3	-6	SW	4	rr	50	97	50	7	8	-	-	10	10	1500	1	3
7	Holyhead (Valley)	96·9	-12	SW'S	5	r₀r₀	50	92	48	6	5	-	-	10	10	800	1	4
	Chester (Sealand)	98·8	-16	S	2	c/pr	56	85	50	6	8	2	-	9	9+	2500	1	*
8	Manchester ...	98·5	-10	S'E	4	z₀	59	65	47	6	3	6	3	4-6	7-8	2000	1	*
10	Spurn Head ...	02·4	-12	S'E	4	c	54	92	52	6	7	3	-	4-6	9+	2500	1	3
	Catterick (Sc) ...	98·5	-14	S	3	c/pr	55	75	47	6	8	6	6	4-6	9	2000	1	*
	Tynemouth ...	95·7	-16	SSE	5	c-bc	51	85	48	7	2	3	-	4-6	7-8	2200	0	3
11	St. Abbs Head	97·6	-8	SE	4	z₀	48	97	48	5	5	-	-	7-8	7-8	2500	0	3
	Leuchars ...	96·7	-18	ESE	2	r/lr	53	92	51	5	9	-	-	10	10	2500	0	*
12	Renfrew (Abbots I.)	96·1	-16	SSE	3	ir₀	56	65	45	7	5	-	-	7-8	10	1600	1	*
	Eskdalemuir ...	97·2	-8	S	2	rr	50	92	47	7	6	2	-	4-6	10	1100	1	*
	Point of Ayre ...	96·6	-8	SW'W	4	r₀r₀	52	85	46	8	8	7	-	9	10	4000	1	3
13A	Tiree	95·0	+20	W'S	3	r₀r₀	45	85	41	7	5	-	-	10	10	2000	1	4
13B	Stornoway ...	93·6	+4	S	6	ir₀	49	92	47	8	-	7	-	0	10	—	1	3
15	Dalwhinnie ...	96·5	-16	SSW	4	c	48	85	45	7	5	-	-	9+	9+	2500	1	*
	Aberdeen ...	98·5	-22	SSE	3	z₀	49	85	45	5	5	-	-	10	10	800	0	3
	Wick ...	97·9	-6	SE	4	z₀	49	85	45	6	-	3	-	0	7-8	—	0	*
16	Sumburgh ...	99·9	-10	SE'S	5	c-bc	50	85	46	7	5	3	-	2-3	7-8	4000	1	3
17	Blacksod Point	97·7	+26	W	4	bc	49	65	37	8	8	-	-	4-6	4-6	2500	1	4
18	Malin Head ...	95·1	+22	W'S	2	c/r	45	75	37	8	5	2	-	4-6	9+	1500	1	2
	Aldergrove ...	96·5	+22	W	4	r₀r₀	45	92	44	6	6	2	-	9	10	1200	1	*
19	Birr Castle ...	97·9	+22	WNW	2	c-bc	50	55	35	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	01·0	+34	WSW	4	c/pr	45	79	38	8	3	6	-	2-3	9+	2500	1	5
	Roches Point	98·9	+30	W'N	6	b-bc	53	65	41	8	1	-	-	2-3	2-3	4000	1	4

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 23rd. (39)	Weather 13h.—18h. 23rd. (40)	Weather 18h. 23rd to 1h. 24th (41)	Weather 1h.–7h. 24th (42)
1	London (Kew)	cr₀rr₀m₀	cepr₀c	crr₀m₀	ir₀m₀b
	Croydon ...	cr₀r₀m₀crrm₀		prcm₀rr	cr₀r₀cbc
	S. Farnborough	cid₀r₀rim₀	cirm₀ir₀cbc	bcbltmrfbm	crom₀bcc
	Boscombe Down	cid₀crrmgcir₀	cir₀cpr₀c	crrm₀cbc	bcb
	Thorney Island	cr₀r₀crrcm₀	bccbc	r₀crrcr	cr₀bcb
	Lympne ...	crrm₀omf₀	omfm₀	cprbcrrm₀	cr₀r₀bccbc
	Manston ...	cr₀r₀m₀	crrprm₀	cpr₀m₀ir₀	cm₀r₀rrc
	Shoeburyness ...	crrc	crrc	cir₀c	crrc
	Felixstowe ...	cr₀r₀m₀cr₀m₀	crrc	pr₀br₀r₀	cpr₀c
	Gorleston ...	cpr₀cr₀r₀z₀	cbc	cpr₀c	cpr₀
	Mildenhall ...	cr₀r₀m₀crrm₀	crrm₀c	cbcid₀	cr₀r₀m₀c
	Cranwell ...	cr₀r₀cr	cm₀r₀r₀c	cb₀cr₀r₀	crrm₀c
3	Birmingham ...	cr₀c	cpr₀bc	bccpr₀	cpr₀b
	Upper Heyford	cr₀c	cir₀c	cr₀r₀	cr₀r₀m₀bc
4	Ross-on-Wye	ccp	cbcc	rcrc	cbbc
5	Hartland Point	crrir	cirrc	rrcbcpr	bc
	Bristol ...	cir₀ccTrc	cpr₀c	cr₀r₀cm₀bc	cb₀cb
	Portland Bill ...	cc	ccrr	crr	c
	Plymouth ...	cm₀cir₀	cir₀m₀	bccpqc	bcpr
	The Lizard ...	crpr	prrrc	cpr	cprbc
	Scilly (St. Mary's)	crr	crr	bcc	cbc
6	Pembroke ...	cqm₀pr	cqrr	cbq	bcq
7	Holyhead (Valley)	c	cpr₀r₀r₀	cr₀r₀bc	bbc
	Chester (Sealand)	cz₀	cpr₀	cr₀r₀m₀	cbzbc,c
8	Manchester ...	ir₀m₀z₀	cz₀pr	cpr₀rrq	r₀r₀m₀
10	Spurn Head ...	cpr₀	cm₀	c	cr₀r₀
	Catterick (Sc) ...	of	cm₀pr	cm₀id₀m	cid₀m₀c
	Tynemouth ...	cbccm₀	cbccm₀	cp₀m₀	cp₀bc
11	St. Abbs Head	cpr bccm₀	cprm₀	cm₀cpr	cirbc
	Leuchars ...	cir₀m₀cm₀c	cir₀cr₀r₀tl	cir₀m₀tcrrm	cr₀r₀m₀c
12	Renfrew (Abbots I.)	z₀cm₀r₀r₀cm	cpr₀cir₀	cm₀r₀r₀m	ccm₀cbcc
	Eskdalemuir ...	cm₀z₀	cz₀rr	crrm₀	cr₀m₀pr₀bc
	Point of Ayre ...	ir₀c	cr₀r₀	rrcbc	bcb
13A	Tiree	circ	cr₀r₀	cr₀r₀c	cbcpr₀
13B	Stornoway ...	crc	cir₀rcir₀	c	cbc
15	Dalwhinnie ...	ocir₀o	oirc	*	coirc
	Aberdeen ...	bccir₀cz₀	cz₀	cz₀crcoir₀	orrc
	Wick ...	cm₀	cm₀	cr₀r₀cr₀r₀	cr₀r₀m₀c
16	Sumburgh ...	cbcm₀	bcc	bccdd₀m	cd₀d₀fcr₀r₀
17	Blacksod Point	c	bc	pr	bc
18	Malin Head ...	r	r	pr	bc
	Aldergrove ...	cm₀cprc	ir₀rr₀r₀	cr₀r₀cb	b
19	Birr Castle ...	r	r	*	bc
20	Valentia Obsy.	r	pr	pr	pr
	Roches Point	r	c	b	bc

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

Districts	Forecast
1 S.E. England; 2 E. England ...; 3 E. Midlands ...; 4 W. Midlands	Moderate west wind backing south and freshening; bright intervals and local showers at first; rain later; becoming warmer.
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	Freshening south wind, strong locally veering southwest; rain spreading from west; becoming warmer.
12 S.W. Scotland & Isle of Man ✝; 13A W. Scotland ... ✝; 13B N.W. Scotland ✝; 14 Mid Scotland; 15 N.E. Scotland ✝	Freshening south wind becoming strong to gale on coasts; fair at first; rain later; becoming warmer.
16 Orkneys and Shetlands ✝	As 12-15
17 N.W. Ireland ✝; 18 N.E. Ireland ✝; 19 S.E. Ireland ✝; 20 S.W. Ireland ✝	Fresh south wind strong to gale locally on coasts; rain at first; bright intervals and showers later; rather warm.

GENERAL INFERENCE

A wedge of high pressure is crossing the British Isles and a deepening depression is approaching our northwest Seaboard. Associated fronts will cross the British Isles. There will be bright intervals and local showers at first but rain will spread eastwards across the British Isles later.

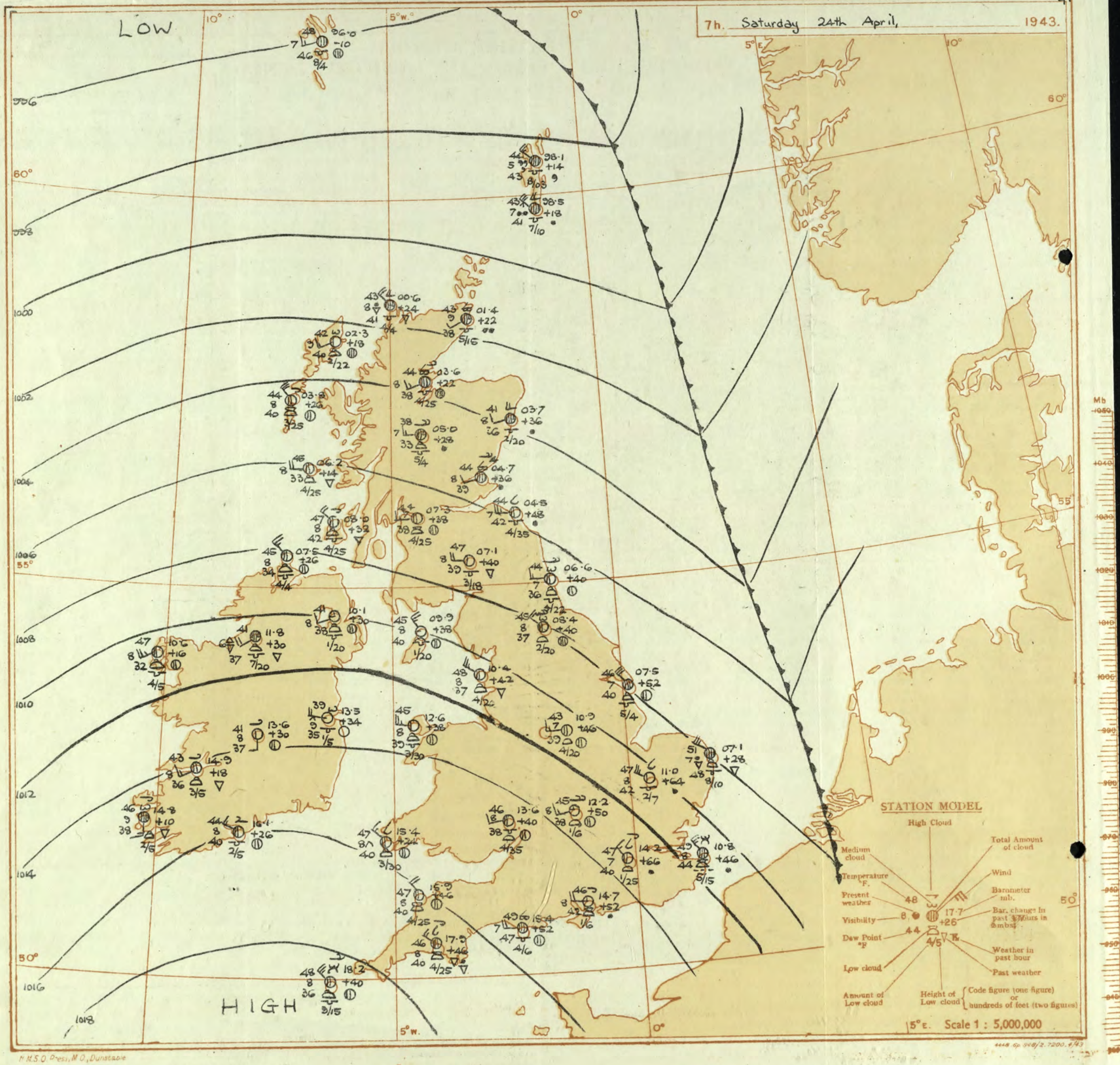
FURTHER OUTLOOK

Bright intervals and showers.

✝Warning of southerly gale in operation districts 5, 6, 7, 8, 12, 13, 15, 16, 17, 18, 19, 20. Issued at 1200h. and 1245h. 24th April 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).

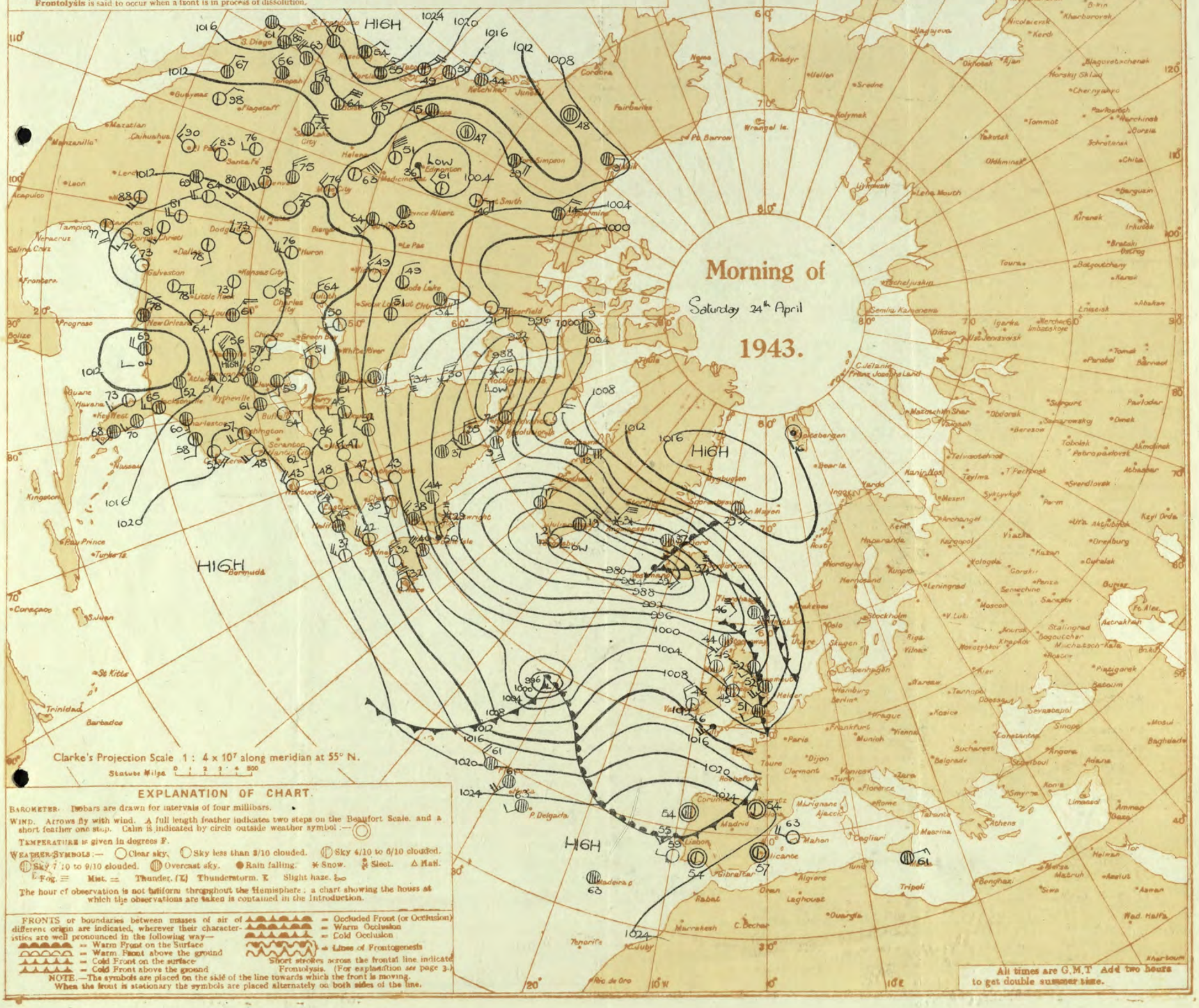
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Saturday 24th April 1943

No. 29738.

OBSERVATIONS at 1 hr. G.M.T. 24th April

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon	290	04·2	-10	SW'W	3	c/r	51	97	51	7	6	2	-	7-8	10	900
	S. Farnborough	226	03·6	+4	W'S	4	r₀r₀	50	92	48	6	5	-	-	10	10	900
	Boscombe Down	417	05·0	+22	W	4	e-bc	46	92	44	8	-	3	2	0	7-8	-
	Thorney Island	10	04·5	-2	SW'W	3	c/r	50	92	48	7	5	7	-	7-8	10	2500
	Lympne	283	05·5	-6	SSW	3	ir₀	50	92	48	7	6	2	-	7-8	10	1000
	Manston	154	06·3	-4	S	4	rr	53	97	52	6	5	-	-	7-8	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04·6	-8	S	4	r₀r₀	52	92	49	7	-	2	-	10	10	5100
	Gorleston	5	04·8	-8	SSE	4	c/pr	51	85	47	7	8	-	-	9	9	1500
	Mildenhall	15	02·8	-6	S'E	3	id₀	53	85	49	8	5	1	-	4-6	10	2000
	Cranwell	203	01·7	+4	SW	4	r₀r₀	49	97	48	6	6	2	-	7-8	10	2200
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	02·1	+4	WSW	3	r₀r₀	49	97	48	6	6	2	-	7-8	10	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·8	+42	WNW	2	c-bc/pr	48	97	48	8	3	6	-	4-6	7-8	2500
	Bristol	209	05·8	+36	W	4	e-bc	45	85	42	8	-	3	4	0	7-8	-
	Portland Bill	32	06·0	+28	SW	5	c-bc	49	92	47	7	5	-	-	7-8	7-8	4000
	Plymouth	82	08·5	+40	WNW	4	bc	47	75	40	8	5	4	1	2-3	4-6	2000
	The Lizard	240	09·3	+46	WNW	5	pr	46	85	42	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	10·3	+52	NW'W	5	pr	46	85	42	8	8	6	-	4-6	7-8	1500
	Guernsey	175															
6	Pembroke	142	07·2	+30	NW	5	b-bcq	48	65	34	8	-	4	-	0	2-3	-
7	Holyhead (Valley)	32	04·9	+42	NW'W	4	bc	45	85	40	7	5	3	-	1	4-6	2000
	Chester (Sealand)	16	02·9	+38	WNW	4	c/r	46	85	41	6	5	2	-	9	10	2000
8	Manchester	235	02·1	+28	WNW	5	r₀r₀	45	92	43	6	9	-	-	10	10	1000
10	Spurn Head	29	01·6	-2	SSW	5	c	52	75	46	7	8	7	-	7-8	9+	1500
	Catterick (Sc.)	192	99·0	+10	SSW	2	id₀	50	92	47	6	5	2	-	4-6	9	3500
	Tynemouth	108	98·5	0	SE	2	c	52	75	47	6	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	97·2	0	SW	2	pr	48	97	48	7	5	-	-	9+	9+	2500
	Leuchars	36	96·2	+8	SSW	3	r₀r₀	50	97	50	6	5	2	-	7-8	10	1000
12	Renfrew (Abbots I.)	19	01·0	+36	SW'W	2	c	42	85	38	7	5	1	-	9+	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	02·9	+50	NNW	5	bc	45	85	42	8	4	-	5	1	4-6	1600
13A	Tiree	44	00·5	+26	W	3	c	44	85	38	8	5	-	-	9	9	2500
13B	Stornoway	15	98·6	+18	SSW	3	c	44	85	40	7	-	2	-	0	9+	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	97·1	+8	-	0	ir₀	46	97	46	5	5	-	-	10	10	1000
	Wick	114	97·7	+18	WNW	4	r₀r₀	44	92	42	6	5	2	-	7-8	10	1900
16	Sumburgh	19	98·5	-8	SSE	4	d.d.	46	97	46	6	-	2	-	10	10	600
17	Blacksod Point	18	06·6	+42	W'N	6	bc/phr	44	65	33	8	9	-	-	4-6	4-6	2500
18	Malin Head	84	01·9	+32	NW	3	bc	45	65	34	8	8	-	-	4-6	4-6	1500
	Aldergrove	268	03·8	+38	W'S	2	b	41	85	36	8	5	-	-	Tr	Tr	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·3	+50	NW'W	4	b	46	65	35	9	2	-	-	1	1	2500
	Roches Point	22	09·3	+44	W'N	4	b	44	85	40	8	5	-	-	1	1	1500

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

Stations	Barom at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	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)	13·6	+62	W'N	2	bc	47	65	38	8	5	-	4	1	4-6	4000	1	*	61	45	41	3	5	1·2
Croydon	14·2	+66	WNW	3	bc	47	75	40	7	1	4	3	Tr	4-6	2500	1	*	60	45	42	4	5	2·6
S. Farnborough	13·9	+58	WNW	4	b	45	75	38	8	5	8	-	Tr	Tr	3000	1	*	61	42	37	2	8	2·8
Boscombe Down	15·2	+56	W'S	3	b	45	85	41	7	-	4	-	0	Tr	-	1	*	59	40	37	2	5	0·6
Thorney Island	14·7	+52	W	4	b	46	85	42	8	3	-	3	Tr	1	4000	1	*	58	44	40	5	9	*
Lympne	12·5	+60	W'N	6	c-bc	47	85	42	8	5	-	9	2-3	7-8	1000	1	§4	55	45	42	4	3	3·1
Manston	10·8	+46	NW'W	5	c	49	85	44	8	9	6	-	7-8	9	1500	1	*	60	48	45	9	1	3·3
Shoeburyness	11·7	+50	WNW	4	c-bc	49	75	41	8	8	3	-	4-6	7-8	4000	1	*	59	48	44	4	2	1·6
Felixstowe	10·7	+44	WNW	6	c-bc/pr	49	75	40	7	7	7	-	4-6	7-8	2500	1	5	58	48	46	3	2	4·6
Gorleston	07·1	+28	W'N	5	pr	51	92	48	7	8	-	-	10	10	1000	1	4	58	48	42	3	Tr	3·9
Mildenhall	11·0	+64	W'N	5	b-bc	47	85	42	8	5	4	-	1	2-3	5700	1	*	59	45	45	5	1	0·2
Cranwell	08·9	+48	W'N	4	b	45	85	40	7	5	-	-	1	1	2500	1	*	58	43	38	4	4	1·0
Birmingham	12·2	+48	WSW	3	b	44	75	33	8	-	-	1	0	Tr	-	1	*	58	41	36	0·5	2	2·1
Upper Heyford	12·2	+50	W'S	3	b	45	75	38	8	1	-	2	Tr	1	4000	1	*	59	46	38	0·4	5	*
Ross-on-Wye	13·6	+40	W'S	2	bc	46	75	38	8	7	-	-	4-6	4-6	3500	1	*	61	42	36	1	1	2·0
Hartland Point	15·9	+46	NW	4	bs	47	75	40	8	3	-	-	4-6	4-6	2500	1	4	57	45	42	8	2	1·1
Bristol	16·1	+56	WSW	3	bc	45	85	40	7	8	-	-	4-6	4-6	4000	1	*	59	40	30	8	5	2·8
Portland Bill	15·4	+52	W	4	c-bc	49	97	47	7	5	7	-	4-6	7-8	4000	1	4	53	47	*	0·2	7	*
Plymouth	17·9	+46	WNW	3	c-bc/pr	46	85	40	8	3	4	3	4-6	7-8	2500	1	2	56	43	38	4	15	0·3
The Lizard	18·0	+40	WNW	6	bc	48	75	40	8	2	4	-	4-6	4-6	2500	1	5	55	43	*	9	1	1·0
Scilly (St. Mary's)	18·2	+40	NW'W	5	bc	48	65	36	8	8	6	2	2-3	4-6	1500	1	4	56	44	*	8	3	3·6
Guernsey																							
Pembroke	15·4	+24	WNW	3	bcq	47	75	40	8	2	4	-	2-3	4-6	3000	0	3	53	45	*	7	-	0·3
Holyhead (Valley)	12·6	+38	W	5	b-bc	45	75	39	8	8	-	-	2-3	2-3	3000	1	3	60	42	39	2	3	*
Chester (Sealand)	11·8	+52	NW	4	bc	46	75	39	8	8	-	-	4-6	4-6	2500	1	*	62	45	39	0·5	2	3·3
Manchester	10·5	+40	W'N	4	z₀	46	75	39	6	2	-	-	7-8	7-8	3000	1	*	61	42	38	0·2	2	*
Spurn Head	07·5	+52	WNW	6	c-bc	46	75	40	7	8	-	-	7-8	7-8	1500	1	4	54	45	*	4	2	0·7
Catterick (Sc.)	08·4	+40	WNW	4	bc	45	75	37	8	1	3	2	1	4-6	2000	1	*	61	43	38	1	Tr	2·3
Tynemouth	06·6	+40	W	3	bc	44	75	36	7	8	3	2	4-6	4-6	2200	0	2	53	43	41	-	0·1	*
St. Abbs Head	04·5	+48	W	5	bc	44	92	42	7	5	4	-	4-6	4-6	3500	1	4	54	45	*	0·1	2	*
Leuchars	04·7	+36	WSW	2	c-bc	44	85	39	8	-	7	2	0	7-8	-	1	*	61	40	36	Tr	4	2·0
Renfrew (Abbots I.)	07·3	+38	W	3	bc	44	75	38	7	3	-	-	4-6	4-6	2500	1	*	57	41	32	0·6	5	0·4
Eskdalemuir	07·1	+40	W	4	b-bc	47	75	39	8	5	-	-	2-3	2-3	1800	1	*	60	38	33	5	6	2·1
Point of Ayre	09·9	+38	NW	5	b	45	85	40	8	4	-	-	Tr	Tr	2000	1		58	45	*	0·1	5	2·5
Tiree	06·2	+14	W	4	bc	45	65	33	8	2	-	-	4-6	4-6	2500	1	4	53	41	33	8	0·5	0·7
Stornoway	02·3	+18	SW	3	b-bc	42	92	40	9	2	3	-	1	2-3	2200	1	2	52	40	37	4	2	1·3
Dalwhinnie	05·0	+28	W	3	c	38	85	33	7	8	-	2	7-8	9+	1500	1	*	51	36	34	3	6	0·4
Aberdeen †	03·7	+36	WSW	2	c	41	85	36	8	5	2	-	1	9+	2000	1	1	54	39	37	Tr	8	3·8
Wick	01·4	+22	SW	1	c/r	43	85	38	9	5	7	-	7-8	9+	1500	1	*	56	40	39	-	6	*
Sumburgh	98·5	+18	WNW	6	r₀r₀	43	92	41	7	5	2	-	9+	10	1000	1	3	52	43	42	-	0·6	5·2
Blacksod Point	10·6	+16	WSW	5	bc	47	55	32	8	8	-	-	4-6	4-6	2500	1	4	52	41	*	7	0·3	*
Malin Head	07·5	+26	NW	5	bc	45	65	34	8	8	-	-	4-6	4-6	1500	1	4	57	42		3	0·1	0·5
Aldergrove	10·4	+30	SW'W	2	b	41	85	38	8	8	-	-	Tr	1	2000	1	*	56	38	34	6	1	1·3
Birr Castle	13·6	+30	S	1	b-bc	41	85	37	8	-	-	1	0	2-3	-	1	*	55	35	27	5	-	0·7
Valentia Obsy.	14·8	+10	S	3	c	46	75	38	9	2	3	3	1	9+	2500	1	2	52	42	38	8	10	5·5
Roches Point	16·1	+26	W'N	3	bc	44	85	40	8	5	-	5	1	4-6	2500	1	4	54	41	*	6	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE.

III	13h. G.M.T. 23rd April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 24th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	57	05665	15427	07	05680	46526	5-	22665	58665	5-	61748	24368
115	57	02944	12427	57	02944	12327	52	25735	20488	52	81844	26487
203							5-	03948	12428			
206	57	02763	16426	5-	02854	16325	52	61656	24268	57	02854	20325
210	54	02655	50426	25	05654	46487	02	64548	24468	53	02951	21326
219	87	02743	14685	52	62744	21468	8-	02855	21567	30	01853	28614
230	57	02755	14267	62	62745	16268	62	02856	16128	36	01864	23384
245	03	05590	15424	5-	05527	15367	62	64536	00068	54	02942	23166
260	57	02754	14327	52	63656	14268	52	62545	24468	03	05663	20316
278	57	02844	47527				51	02742	26367	36	01852	25402
279	26	02855	19427	57	61754	12267	57	22746	27368	26	01853	23313
285	27	02745	18526							27	05634	26515
288	07	05690	14426	39	28765	47497	52	62664	18368	07	01890	24314
575	81	81646	14488	81	22844	30166	20	01852	24214	8-	88657	20487
301	26	05653	14528	86	22644	16267	57	22665	61468	20	01854	26584
321	51	05658	14368	26	02754	16485	5-	62668	18368	80	05663	26363
[illegible]	5-	64648	14468	54	05644	14465	80	25754	18584	50	02746	26426
292	57	05543	18368	36	28653	16295	52	05656	16268	03	02890	28313
310										--	01628	24428
614	67	61554	16328	84	05654	16324	52	62645	20368	20	05664	22314
333	53	05643	13666	62	64635	18468	57	05643	24364	2-	01843	26313
334	--	65647	26288							--	02643	24214
340	57	02754	15427	83	25847	18567	52	02745	44328	50	01764	24214
136	57	64645	16368	10	01742	18363	5-	62666	16368	53	22774	24666
336	57	02754	16427	52	25656	20488				23	25754	28585
350	57	62645	16368	3-	02855	50425	62	62668	16248	00	01890	25463
368	83	81755	08317	8-	81634	53488	84	01653	24313	84	01754	26314
379	57	02746	47528	2-	81846	49487	52	22624	24388	03	01790	22202
390	62	67335	13268	20	05654	16465	5-	62558	17468	54	01741	26523
382	51	02853	45468	9-	25844	20486	52	22746	25468	00	01890	25311
438	--	67009	20469	87	02753	20484	8-	02754	22566	57	01763	25414
430	62	61626	14368	87	81745	16326	57	52648	47558	40	01762	23212
409	8-	25845	16688	87	25945	23487	80	02855	60425	30	01853	58584

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 24th April, 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	cr₀r₀m₀	ccpr₀c	cr₀r₀m₀b
Croydon	cr₀r₀m₀cm		prem₀rrbc
Greenwich	rr	rrc	cprrcby
Camden Square	o	c	*
Kensington	bm₀	bccor	*
Hampstead	obbc	or	orbc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·1, Time 10h 23rd. Min. 0·1, Time rest of period.

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	61	45	41	3	5	2·2	*	*
Croydon	60	45	42	4	5	2·6	*	*
Greenwich	60	46	41	4	3	2·9	79	53
Westminster	60	46	41	9			87	53
Regents Park	55	46	42	4	5		84	57
Camden Square	60	46	40	5	4	*	*	54
Kensington	61	46	41	3	5		73	55
Hampstead	58	13	40	0·7	8		*	56

Page 1 **BRITISH SECTION**

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

SECRET

Sunday 25th April, 1943.

No. 29739

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

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)	19·6	+22	W	4	c-bc	56	35	29	8	8	–	–	7-8	7-8	2500
	Croydon	20·8	+30	W	4	bc	56	55	38	8	2	–	–	4-6	4-6	3000
	S. Farnborough	22·5	+50	W'N	4	c	57	35	31	8	2	7	4	7-8	9	2000
	Boscombe Down	20·9	+22	W	3	c-bc	55	55	37	8	1	–	6	4-6	7-8	3000
	Thorney Island	21·4	+26	SW	5	c-bc	55	65	41	9	8	–	5	4-6	7-8	4000
	Lympne	20·2	+30	WSW	4	c-bc	55	45	37	8	3	–	–	7-8	7-8	3000
	Manston	19·4	+34	W'N	3	c	57	45	36	8	2	–	–	9	9	2000
2	Shoeburyness	19·0	+24	W'S	4	bc	50	45	27	6	2	–	–	4-6	4-6	4000
	Felixstowe	18·2	+34	WSW	5	c-bc	58	75	50	9	8	4	–	4-6	7-8	2500
	Gorleston	16·8	+44	NW	4	c-bc	57	45	35	7	8	–	–	7-8	7-8	1800
	Mildenhall	17·5	+34	WSW	5	c-bc	57	45	36	8	2	–	–	7-8	7-8	2500
	Cranwell	16·7	+32	W'N	5	c-bc	55	45	34	8	8	–	4	4-6	7-8	2500
3	Birmingham	18·2	+20	W	4	bc	54	45	34	8	5	–	1	4-6	4-6	4000
	Upper Heyford	18·0	+20	WSW	3	c-bc	55	45	34	8	2	6	6	4-6	7-8	2500
4	Ross-on-Wye	20·4	+16	W	3	bc	55	45	33	9	1	–	5	2-3	4-6	4000
5	Hartland Point	20·5	+14	WNW	4	bc	49	65	38	8	2	6	–	2-3	4-6	2500
	Bristol	21·0	+22	W	5	c-bc	53	65	40	8	2	–	6	2-3	7-8	2500
	Portland Bill	22·1	+22	SW	5	fs	52	85	48	8	2	4	–	4-6	7-8	4000
	Plymouth	22·9	+18	SW'W	4	c	52	65	41	8	2	–	6	2-3	9+	3000
	The Lizard	22·0	+8	W	5	c	45	65	33	8	5	7	–	7-8	9+	2500
	Scilly (St. Mary's)	21·3	+2	SW'S	3	c	52	65	41	7	5	1	–	7-8	9+	1200
	Guernsey															
6	Pembroke	19·0	+6	SW'W	4	bcq	50	65	37	8	2	4	–	2-3	4-6	3000
7	Holyhead (Valley)	16·6	+10	SW'S	5	b-bc	52	65	39	8	1	–	5	1	2-3	3000
	Chester (Sealand)	16·9	+22	W'N	3	c-bc	55	45	32	8	2	–	1	4-6	7-8	2000
8	Manchester	16·9	+22	W	4	bc	53	45	35	8	2	–	4	4-6	4-6	2500
10	Spurn Head	14·5	+30	WNW	5	bc	53	55	35	7	1	–	–	4-6	4-6	2500
	Catterick (Sc)	13·6	+22	WNW	4	bc	55	45	35	9	2	–	–	4-6	4-6	3000
	Tynemouth	12·4	+16	W	6	bcq	54	45	34	7	2	3	–	4-6	4-6	2800
11	St. Abbs Head	10·2	+30	W	4	bc	50	75	44	7	1	–	–	4-6	4-6	3500
	Leuchars	09·7	+22	WSW	4	bc	54	55	39	8	2	–	9	4-6	4-6	2000
12	Renfrew (Abbots I.)	11·1	+14	W'S	4	c-bc	53	45	33	8	2	–	6	7-8	7-8	2500
	Eskdalemuir	11·9	+22	SSW	5	c-bc	50	45	32	8	8	–	–	7-8	7-8	1800
	Point of Ayre	14·4	+12	WSW	4	b-bc	56	55	38	8	1	–	4	1	2-3	2500
13A	Tiree	09·5	+10	SW	4	c-bc	50	65	36	9	1	3	6	2-3	7-8	3000
13B	Stornoway	06·1	+10	SW	6	c-bc	50	92	48	9	3	–	–	7-8	7-8	2500
15	Dalwhinnie	09·0	+20	SW	3	c-bc	46	55	29	8	8	–	–	7-8	7-8	2500
	Aberdeen	08·2	+20	W'N	3	bc/ph	52	45	31	8	2	–	–	4-6	4-6	3000
	Wick	06·4	+22	WNW	3	bc	51	55	36	9	8	–	–	4-6	4-6	3000
16	Sumburgh	03·3	+16	WSW	4	c/r	46	92	44	8	8	7	3	4-6	9	2000
17	Blacksod Point	06·2	−44	S	6	rₒrₒ	47	75	39	7	6	2	–	4-6	10	1500
18	Malin Head	09·1	−6	S'W	3	c/pr	50	65	39	8	8	1	–	2-3	10	2500
	Aldergrove	11·9	−6	SW'S	4	c-bc	53	45	34	9	8	–	6	7-8	7-8	2500
19	Birr Castle	12·0	−22	S	4	c	52	55	37	8	2	1	–	4-6	10	1500
20	Valentia Obsy.	08·4	−50	S'E	7	rr	45	92	43	6	6	2	–	7-8	10	1500
	Roches Point	14·8	−16	SSW	6	ir	48	85	43	7	6	2	–	4-6	9+	1500

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

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	+2	WSW	4	c	54	65	41	8	8	–	6	4-6	9+	4000	1	*
Croydon	21·9	+6	SW'W	3	c	53	75	43	8	4	7	9	Tr	9	3500	1	*
S. Farnborough	21·7	+6	SW	4	c	53	85	38	8	1	7	8	Tr	9	1800	0	*
Boscombe Down	21·0	0	SW'S	5	c	50	65	38	8	5	9	9	2-3	9+	2000	0	*
Thorney Island	22·6	+6	SW	5	c	51	65	41	8	6	7	–	1	10	2500	0	*
Lympne	22·8	+10	SW	4	c	50	65	41	8	–	2	2	0	9+	–	1	§5
Manston	21·6	+10	SW'W	4	c	52	65	39	7	2	7	8	1	9	2000	1	*
Shoeburyness	21·1	+18	W	4	c-bc	54	65	42	7	2	–	8	2-3	7-8	4000	0	*
Felixstowe	20·4	+10	SW	4	c-bc	57	45	35	8	1	7	1	2-3	7-8	4000	0	4
Gorleston	18·8	+8	NSW	2	c-bc	56	45	35	7	2	7	–	4-6	7-8	2500	0	3
Mildenhall	19·0	+4	SW	4	c-bc	55	55	36	8	1	4	6	2-3	7-8	3000	0	*
Cranwell	17·0	−2	SW'W	5	c	54	45	35	8	4	3	6	4-6	9	3000	1	*
Birmingham	17·8	−4	SSW	4	c	51	45	31	8	–	7	–	0	9	–	1	*
Upper Heyford	18·9	+2	SW	3	c	52	55	36	8	5	5	8	4-6	9	6000	0	*
Ross-on-Wye	17·8	−10	SSW	5	cjf	51	55	36	8	5	1	8	2-3	9+	2500	0	*
Hartland Point	15·5	−26	SSW	5	rr	44	92	44	7	5	2	–	7-8	9+	1000	1	4
Bristol	20·2	−6	SSW	5	irₒ	52	65	39	9	5	7	–	2-3	10	1500	0	*
Portland Bill	21·5	+18	SW	5	c	51	85	47	8	5	–	–	10	10	4000	1	5
Plymouth	21·1	−16	SSW	5	c/r	48	92	45	7	5	2	–	2-3	10	800	1	3
The Lizard	19·1	−20	S	7	dd	48	97	47	4	5	–	–	10	10	600	1	5
Scilly (St. Mary's)	15·4	−50	SSW	6	rr	49	97	49	5	6	–	–	10	10	400	1	5
Guernsey																	
Pembroke	18·2	−8	S'W	8	rr	45	97	44	7	8	–	–	10	10	2500	1	5
Holyhead (Valley)	11·4	−46	SSW	7	rₒrₒ	48	75	34	6	6	2	–	7-8	10	500	1	5
Chester (Sealand)	15·0	−16	SW	4	c	52	45	33	8	5	7	7	2-3	10	2000	0	*
Manchester	15·8	−8	S	3	c	51	45	32	8	4	7	–	4-6	9+	2500	0	*
Spurn Head	16·4	0	SW	3	c-bc	54	55	42	7	1	3	1	2-3	7-8	2500	0	3
Catterick (Sc)	14·0	−4	W	5	c	51	45	32	8	5	4	9	2-3	9	3000	0	*
Tynemouth	13·9	+4	W	6	bcq	54	45	30	7	2	3	2	2-3	4-6	2800	0	3
St. Abbs Head	10·0	−2	W	4	c-bc	50	75	43	8	4	4	–	4-6	7-8	3500	0	3
Leuchars	08·6	−14	SSW	3	c	51	65	40	8	4	7	7	4-6	10	3000	0	*
Renfrew (Abbots I.)	07·7	−32	S'E	4	c	49	55	34	8	8	2	–	2-3	10	2000	0	*
Eskdalemuir	11·3	−8	S'W	5	c	45	65	34	8	5	–	–	4-6	9+	2500	0	*
Point of Ayre	10·4	−28	SW	6	c	49	75	43	8	6	7	7	1	10	2500	0	4
Tiree	01·8	−60	SSE	5	c/r	49	65	38	8	4	2	–	1	10	3500	0	5
Stornoway	01·8	−44	S	6	c	47	75	37	9	1	7	–	1	9	2500	1	4
Dalwhinnie	06·0	−24	S	4	c	44	55	28	8	5	2	–	7-8	10	1500	0	*
Aberdeen	07·7	−6	W	3	b-bc	53	35	33	8	4	–	6	1	2-3	4000	1	1
Wick	06·0	−16	SSW	3	c-bc	47	65	34	9	8	–	5	7-8	7-8	3000	0	*
Sumburgh	04·6	0	WSW	5	b-bc	47	75	41	8	4	–	–	2-3	2-3	2500	1	3
Blacksod Point	93·0	−82	S'E	7	RR	51	85	46	6	–	2	–	10	10	1500	2	6
Malin Head	98·5	−76	S	7	ir	46	75	39	7	–	2	–	10	10	1500	1	5
Aldergrove	04·8	−50	S	5	rₒrₒ	45	85	40	8	5	2	–	4-6	10	1000	1	*
Birr Castle	01·3	−78	S	5	rr	46	92	45	7	6	2	–	7-8	10	800	1	*
Valentia Obsy.	00·1	−40	SSW	7	ir	55	92	53	6	6	–	–	10	10	800	1	7
Roches Point	03·8	−74	S'W	8	dd	51	97	50	5	5	–	–	10	10	450	1	6

PAST 24 HOURS.

Stations	Weather 7h.—13h. 24th. (39)	13h.—18h. 24th. (40)	18h. 24th to 1h. 25th (41)	1h.–7h. 25th (42)
London (Kew)	bcy	bcyc	ccmₒ	crₒcrₒc
Croydon	bccy	cyc	cirₒ	dodomₒ
S. Farnborough	bbcy	bccy	cycbccirₒcmₒ	crrₒRmₒc
Boscombe Down	bcy	bcycy	c6r6mₒ	crrmₒcmₒc
Thorney Island	bccbc	bcc	ccidc	cdoirₒc
Lympne	cbcy	bcycybcc	c	cdodomₒ
Manston	bcy	cy	czₒ	cmₒdodo
Shoeburyness	cybcy	bcyc	cbc	bccprbc
Felixstowe	bcc	bcycy	cyc	c
Gorleston	bbcy	cy	c	cprₒc
Mildenhall	bcy	cy	ci6c	cidₒ,b
Cranwell	bbccprₒ	c	cirₒcmₒ	cmₒdoirₒcbc
Birmingham	bbc	bcc	coirₒ	crcpr
Upper Heyford	cbcbcy	bccyv	cycdₒdₒcrr	crrmₒbc
Ross-on-Wye	bcbcvy	bcvycy	corₒ	cbcc
Hartland Point	bc	bccir rr	rmldqc	cidobc
Bristol	bcbcyc	ccv	cirₒcir,dₒdₒ	cdₒdₒmₒrRbc
Portland Bill	bbc	c	c	c
Plymouth	bccprₒ	cirrrmₒc	crₒrₒirₒ	cmₒ
The Lizard	bcc	drrdm	rrdmₒ	cbc
Scilly (St. Mary's)	bcc	crr	rroir	cbc
Guernsey				
Pembroke	bcq	cqrr	cirmₒq	bcq
Holyhead (Valley)	bcb	bbcc	orₒrₒmₒ	bcy
Chester (Sealand)	bcy	bccy	crₒrₒmₒzₒ	bczₒ
Manchester	cprₒzₒy	bccy	cyrₒrₒ	rₒrₒprₒ
Spurn Head	bc	bc	bq	bc
Catterick (Sc)	bc	bcycy	crₒrₒmₒ	crₒrₒbc
Tynemouth	bcq	bcq	bcoirₒcq	bcpq
St. Abbs Head	bc	bc	bcirc	crobc
Leuchars	cbcbcy	bccy	cyrrmₒ	crₒrₒprₒbc
Renfrew (Abbots I.)	bcqcprₒbcycy	cybcyc	cmₒ6rₒrr	cmₒbcc
Eskdalemuir	bcphbcy	bcyc	crrR	cprbc
Point of Ayre	by	bcc	crrbc	bcbpr
Tiree	bcy	crₒc	rₒrₒrₒrₒm	cprbc
Stornoway	cbcc	bc	crrrₒrₒ	cmₒcprprc
Dalwhinnie	cprsy	coy		ocprso
Aberdeen	cbcprophₒ	bcy	bccrr	rₒrₒcprₒ
Wick	cbcv	bcyc	crₒrₒcrr	cbc
Sumburgh	crₒrₒc	cbc	bcc	crrmₒrₒrₒ
Blacksod Point	pr	r	pr	pr
Malin Head	pr	r	r	pr
Aldergrove	bbccy	cyrₒrₒ	prrₒcmₒ	bbccmₒbcb
Birr Castle	c	r		pr
Valentia Obsy.	r	r	pr	pr
Roches Point	r	r	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 25th April 1943

Districts	Forecast
1 S.E. England ↓, 2 E. England ↓, 3 E. Midlands, 4 W. Midlands, 5 S.W. England ↓, 6 South Wales ↓	Fresh southwest wind strong to gale locally on coasts; fair at first; local rain or showers 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 ↓	Fresh or strong southwest winds strong to gale on coasts; bright intervals; showers of rain or hail; local thunderstorms; 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 and complex depression centred to northwest of Scotland is moving slowly northeast. There will be thundery showers of rain or hail in the North; in the South weather will be fair at first, but there will be local rain or showers later.

FURTHER OUTLOOK

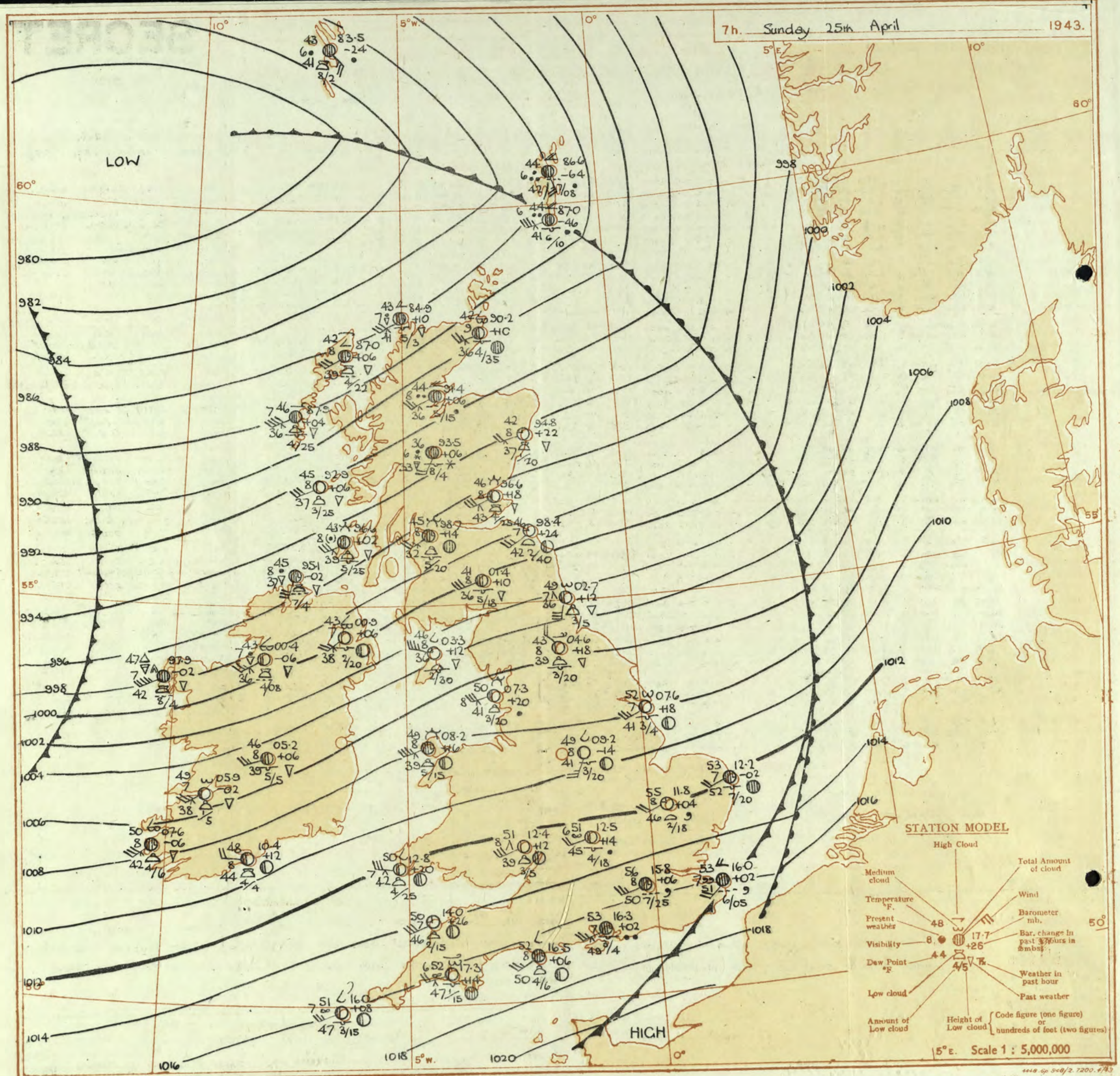
Unsettled but bright intervals.

↓ Gale warning in operation in districts 10, 11 issued at 13.50 G.M.T. 24th April districts 1 & 2 issued 19.15 G.M.T. 24th April. Warning renewed in districts 5, 6, 7, 8, 12, 13A, 13B, 15, 16, 17, 18, 19, 20. 25th April

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 two hours to get double summer time.

BRITISH SECTION

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

Sunday 25th April, 1943

No. 29739

OBSERVATIONS at 1 hr. G.M.T. 25th April

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·5	-50	SW'S	6	ido	49	92	47	6	5	-	-	7·8	7·8	2000
	S. Farnborough	226	16·1	-32	SW'S	5	rr	49	97	47	5	5	-	-	10	10	800
	Boscombe Down	417	15·1	-30	SW'S	6	rr	50	97	50	6	5	-	-	10	10	800
	Thorney Island	10	17·1	-32	SW'S	6	c	52	85	48	7	5	-	-	9+	9+	3300
	Lympne ...	283	19·2	-14	SW	4	c	50	85	44	7	5	-	-	10	10	1500
	Manston ...	154	18·5	-22	SW'S	5	ifo	51	75	42	7	5	2	-	7·8	10	3800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·0	-20	S'W	6	c	51	75	46	7	5	-	-	10	10	3300
	Gorleston ...	5	15·6	-28	SW'S	6	c	49	75	41	7	5	7	-	7·8	9+	1500
	Mildenhall ...	15	12·6	-46	S'W	6	c	51	75	42	7	5	7	-	2-3	9+	2400
	Cranwell ...	203	08·6	-46	SSW	7	ido	48	92	46	6	5	2	-	4-6	10	2900
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·2	-36	SSW	5	rr	49	97	47	6	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·4	-4	SW	7	ido	53	97	53	6	6	2	-	7·8	10	1500
	Bristol ...	209	12·8	-26	SSW	6	dodo	54	92	52	6	6	2	-	9	10	1800
	Portland Bill ...	32	15·4	-18	S	6	o	50	92	48	7	5	-	-	10	10	4000
	Plymouth ...	82	15·5	-14	SW'S	7	rofo	53	97	53	6	6	2	-	9	10	600
	The Lizard ...	240	14·8	0	S	8	o/r	53	97	53	6	5	-	-	10	10	600
	Scilly (St. Mary's)	163	13·9	+4	SW	6	c/r	53	97	52	6	6	2	-	7·8	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	08·7	+12	WSW	8	rofo	53	85	49	7	8	-	-	7·8	7·8	2500
7	Holyhead (Valley)	32	04·6	+14	SW	6	zo	51	85	47	6	8	7	-	2-3	4-6	2500
	Chester (Sealand)	16	05·5	-32	WSW	4	b-bc/r	56	75	46	6	5	3	-	2-3	2-3	3000
8	Manchester ...	235	06·1	-32	S'E	5	rofo	49	92	47	6	5	2	-	7·8	10	1000
10	Spurn Head ...	29	08·1	-58	SW	8	oq	49	55	33	7	5	-	-	10	10	1500
	Catterick (Sc.) ...	192	03·0	-72	SSW	5	rofo	48	92	46	6	-	2	-	10	10	1600
	Tynemouth ...	108	00·5	-70	SSW	6	cbcq	48	92	46	7	5	-	-	7·8	7·8	2500
11	St. Abbs Head	280	97·1	*	SSE	5	c/r	43	97	43	7	5	-	-	9+	9+	2500
	Leuchars ...	36	94·9	-74	SE	4	rofo	44	97	43	6	5	2	-	4-6	9+	3500
12	Renfrew (Abbots I.)	19	94·8	-42	WSW	5	c/r	49	75	43	6	5	7	-	9	9+	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	99·0	-12	W	7	bc	49	92	47	7	6	-	-	4-6	4-6	800
13a	Tiree	44	91·3	+10	WSW	10	iR	43	92	40	5	-	2	-	10	10	800
13b	Stornoway ...	15	85·6	-80	SE	7	rofo	44	85	41	6	-	2	-	10	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	96·0	-80	S	7	rofo	41	97	41	7	-	2	-	10	10	900
	Wick ...	114	93·9	-78	SSE	7	rr	43	75	36	6	5	-	-	10	10	1500
16	Sumburgh ..	19	97·7	-58	SSE	6	c	45	85	41	8	-	7	7	0	10	-
17	Blacksod Point	18	97·5	+26	SW	8	b-bc/pr	48	55	33	8	9	-	-	2-3	2-3	1500
18	Malin Head ...	84	93·4	+38	SSW	8	pr	49	85	45	8	9	-	-	4-6	4-6	1500
	Aldergrove ...	268	98·9	-14	NW'N	4	zo	46	75	39	6	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·5	+20	WSW	6	bc	49	65	41	8	3	-	-	4-6	4-6	2500
	Roches Point	22	07·8	+34	W'S	5	bc	52	85	48	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 25th April

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)	14·4	+8	SW'W	4	c	54	75	47	7	5	-	-	9+	9+	2500	1	*
	Croydon ...	15·8	+6	WSW	5	c	56	85	50	8	6	-	-	9+	9+	2500	1	*
	S. Farnborough	15·1	+14	N	4	cbc	53	85	48	7	5	3	-	4-6	7·8	1800	1	*
	Boscombe Down	15·2	+14	SW'W	4	b	52	85	47	7	1	-	-	1	1	2000	0	*
	Thorney Island	16·3	+2	SW	5	c/r	53	85	49	7	5	-	-	2-3	9+	1500	1	*
	Lympne ...	16·5	+2	SW	4	dd	51	97	51	5	-	2	-	10	10	200	1	5
	Manston ...	16·0	+2	SW'S	4	dodo	53	92	51	7	6	2	-	9	10	500	1	*
2	Shoeburyness ...	14·6	-12	SSW	5	bc/pr	55	85	52	8	-	-	5	0	4-6	-	1	*
	Felixstowe ...	13·2	-12	SSW	5	c	54	92	51	8	5	-	-	9+	9+	2500	0	5
	Gorleston ...	12·2	-2	SW	4	c	53	97	52	7	5	-	-	9+	9+	2000	0	4
	Mildenhall ...	11·8	+4	SW'W	4	b	55	75	46	8	1	-	-	1	1	1800	1	*
	Cranwell ...	09·5	+20	WSW	6	bc	51	75	42	7	-	3	1	0	4-6	-	1	*
3	Birmingham ...	11·4	+16	SW	4	bc	49	75	41	8	8	-	-	4-6	4-6	2500	1	*
	Upper Heyford	12·5	+14	SW'W	4	zo	51	75	45	6	5	-	-	4-6	4-6	1800	1	*
4	Ross-on-Wye	12·4	+12	WSW	6	b-bcq	51	65	49	8	2	-	-	2-3	2-3	3000	1	*
5	Hartland Point	14·0	+26	WSW	6	b	50	85	46	7	2	-	-	1	1	1500	1	3
	Bristol ...	14·2	+12	WSW	5	b-bc	51	85	45	7	2	-	-	2-3	2-3	1500	1	*
	Portland Bill ...	16·5	+6	SW	5	c	52	92	50	8	2	4	-	4-6	9	4000	1	5
	Plymouth ...	17·3	+14	WSW	4	zo	52	85	47	6	5	3	1	Tr	2-3	1500	1	4
	The Lizard ...	16·8	+10	WSW	5	bc	51	85	48	8	5	6	-	4-6	4-6	1500	1	4
	Scilly (St. Mary's)	16·0	+8	SW'W	5	bc	51	85	47	7	5	4	4	2-3	4-6	1500	1	5
	Guernsey ...																	
6	Pembroke ...	12·8	+20	W	6	bcq	50	75	42	7	2	4	-	4-6	4-6	2500	1	5
7	Holyhead (Valley)	08·2	+16	SW'W	7	c	49	65	39	8	2	6	-	7·8	9	1500	1	5
	Chester (Sealand)	08·6	+18	SW	3	bc	51	65	38	8	2	6	-	2-3	4-6	2000	1	*
8	Manchester ...	08·4	+18	SW	5	b-bc	49	65	38	8	2	-	-	2-3	2-3	2500	1	*
10	Spurn Head ...	07·6	+18	SW	5	b-bc	52	65	41	7	5	3	-	2-3	2-3	1500	0	4
	Catterick (Sc.) ...	04·6	+18	NW	4	b-bc/pr	43	85	39	8	8	-	2	2-3	2-3	2000	1	*
	Tynemouth ...	02·7	+12	SSW	6	bcq	49	65	36	7	2	3	-	2-3	4-6	2500	1	3
11	St. Abbs Head	98·4	+24	SW	5	b	46	85	42	7	1	-	-	1	1	4000	0	5
	Leuchars ...	96·6	+18	SW	6	bc	46	85	43	8	3	6	-	4-6	4-6	2500	1	*
12	Renfrew (Abbots I.)	98·7	+14	SW	5	c	45	65	32	8	8	6	-	7·8	9	2000	1	*
	Eskdalemuir ...	01·4	+10	SW'W	6	cbc	41	85	36	8	5	-	-	7·8	7·8	1800	1	*
	Point of Ayre ...	03·3	+12	W	7	b	46	75	36	8	4	4	-	1	1	3000	1	5
13a	Tiree	92·9	+6	SW'W	6	b-bc/pr	45	75	37	8	2	-	-	2-3	2-3	2500	1	5
13b	Stornoway ...	87·0	+6	SW	6	pr	42	92	39	8	9	1	3	4-6	9+	2200	1	3
15	Dalwhinnie ...	93·5	+6	SSW	4	PRS	36	92	33	6	5	-	-	10	10	1500	1	*
	Aberdeen † ...	94·8	+22	WSW	4	b/pr	42	85	37	8	3	-	-	Tr	Tr	2000	1	3
	Wick ...	90·2	+10	SW'W	5	cbc	42	75	36	9	5	7	-	4-6	7·8	3500	1	*
16	Sumburgh ..	87·0	-46	WSW	7	rofo	44	92	41	6	5	2	-	9	10	1000	1	
17	Blacksod Point	97·9	-2	WSW	9	PHR	47	85	42	7	9	-	-	10	10	1500	2	7
18	Malin Head ...	95·1	-2	SSW	6	pr	45	75	37	8	9	-	-	9+	9+	1500	1	5
	Aldergrove ...	00·9	+6	SW'S	5	b-bc	43	85	38	7	5	7	-	1	2-3	2000	1	*
19	Birr Castle ...	03·2	+6	WSW	5	cbc	46	75	38	8	5	-	-	7·8	7·8	2500	1	*
20	Valentia Obsy.	07·6	-6	SW	6	c	50	75	42	8	2	7	-	4-6	9+	4000	1	6
	Roches Point	10·4	+12	W	4	bc	48	85	44	8	3	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
1	London (Kew)	57	50	46	-	0·3	9·1
	Croydon ...	57	48	45	-	1	0·1
	S. Farnborough	58	47	42	-	3	9·4
	Boscombe Down	55	45	44	-	1	8·9
	Thorney Island	56	50	45	Tr	0·4	*
	Lympne ...	57	47	44	-	0·5	7·9
	Manston ...	58	48	46	-	Tr	7·9
2	Shoeburyness ...	60	49	47	-	0·1	7·7
	Felixstowe ...	60	49	48	Tr	-	9·1
	Gorleston ...	59	49	45	Tr	Tr	9·5
	Mildenhall ...	60	49	35	Tr	0·1	9·4
	Cranwell ...	58	45	44	Tr	2	10·9
3	Birmingham ...	56	46	42	-	2	9·3
	Upper Heyford	57	46	45	Tr	1	*
4	Ross-on-Wye	56	46	45	-	1	8·2
5	Hartland Point	51	45	43	1	1	7·0
	Bristol ...	56	45	44	-	4	8·0
	Portland Bill ...	52	47	*	-	-	*
	Plymouth ...	54	47	46	5	2	6·0
	The Lizard ...	54	48	*	3	2	7·0
	Scilly (St. Mary's)	56	49	*	5	1	4·1
	Guernsey ...						
6	Pembroke ...	51	43	*	3	3	5·1
7	Holyhead (Valley)	53	45	45	Tr	5	*
	Chester (Sealand)	58	46	40	-	6	10·0
8	Manchester ...	57	45	42	-	3	*
10	Spurn Head ...	56	47	*	-	Tr	10·2
	Catterick (Sc.) ...	55	43	39	Tr	0·3	10·7
	Tynemouth ...	55	44	41	-	1	*
11	St. Abbs Head	50	40	*	-	1	*
	Leuchars ...	56	43	39	-	4	9·9
12	Renfrew (Abbots I.)	53	43	39	0·1	8	9·7
	Eskdalemuir ...	52	39	26	0·2	13	8·9
	Point of Ayre ...	58	43	*	-	7	10·2
13a	Tiree	51	39	36	Tr	7	7·7
13b	Stornoway ...	51	41	39	Tr	11	10·2
15	Dalwhinnie ...	50	34	33	0·2	16	7·7
	Aberdeen † ...	56	42	39	Tr	4	7·9
	Wick ...	53	*	38	-	3	11·6
16	Sumburgh ..	50	42	37	6	5	4·5
17	Blacksod Point	51	42	*	5	10	*
18	Malin Head ...	53	40		0·1	4	5·3
	Aldergrove ...	54	41	37	0·2	6	8·3
19	Birr Castle ...	54	40	38	4	6	4·9
20	Valentia Obsy.	55	45	41	20	4	0·7
	Roches Point	52	47	*	14	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 24th April: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th April: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	80	01854	23514	10	00851	23411	5-	63648	47728	52	61745	52467
115	37	27844	24586				52	64735	12568	52	81735	53688
203							6-	63838	12468	8-	27847	20587
206	8-	02865	20585	70	02962	18417	57	22853	16425	62	62845	53568
210	20	01864	22414	46	02962	19316	07	22890	45666	33	01862	19413
219	20	01864	23414	07	02890	13528	81	63745	55567	80	25754	54885
230	2-	01863	20484	52	02863	16228	9-	22745	53566	9-	27856	53486
245	20	10863	23513	29	02961	52415	52	62757	49568	80	01854	23364
260	20	01854	2x384	51	02853	51728	27	02763	20768	50	01855	20515
278	30	01853	22315	52	02853	49518	5-	01854	55464	13	01853	21414
279	20	01863	20515	77	02874	51528				26	02855	21765
285	23	01854	28514									
288	20	02865	22325	04	02890	20327	52	62654	16667	3-	81847	55567
576	10	02854	51328	62	64652	48468	50	01743	51613	97	81734	53584
301	20	01853	22424	57	02851	16428	52	22766	53668	26	01853	56664
321	8-	02765	26485	47	02763	22326	5-	61658	18368	20	01754	20444
2.9	20	02745	24415	04	01790	22315				54	01742	18214
292	20	01864	24414	47	02861	22318	62	62645	16368	20	01864	22364
310												
614	2-	02754	57324	13	02752	51527	52	05645	51628	00	01790	55500

III	13h. G.M.T. 24th April: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th April: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	20	00863	18514	62	64735	17728	52	61656	53668	20	07754	20584
334	--	03743	28214									
340	10	01864	24324	17	02961	53527	52	61646	49468	26	25754	55485
136	8-	02754	25414	24	02862	21417	5-	61858	20668	26	02853	20565
336												
350	2-	01854	22415	45	02862	22327	5-	62648	51568	50	01744	55414
368	13	02863	22417	5-	61945	55528				20	05653	57513
379				57	02854	55428	02	62658	25668	8-	25745	53675
390	30	02755	58485	27	05653	18427	52	21656	50558	57	05644	51565
382	23	02954	23415	19	02853	20427	52	58647	52668	60	02855	55565
438	84	01763	22614	52	02754	22526	5-	03758	20728	--	67109	22759
430	20	25855	22486	57	02741	53427	5-	02746	51858	6-	21657	53567
409	27	02853	20527	5-	53638	45768	62	61635	51768	07	01790	54523

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 25th April, 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 ...	bcy	bcyc	cfofoc	
Croydon ...	bccy	cyc	cifodomo	
Greenwich ...	bcy	bccy	cbcirbcy	Kew 24 hours ended 7h. Max. Time
Camden Square	bmo	c	*	
Kensington ...	bc	bc	*	<0·1 whole Period.
Hampstead ...	bc	bcp	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 ...	57	50	46	-	0·3	9·1	*	*
Croydon ...	57	48	45	-	1	0·1	*	*
Greenwich ...	59		43	-	0·3	8·5	37	59
Westminster ...	59	50	46	0·1			35	56
Regents Park ...								
Camden Square	58		46	-	0·3	*	*	58
Kensington ...	58	49	47	-	0·2		64	62
Hampstead ...	57	44	40	-	0·2		*	59

SECRET

Page 1

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

BRITISH SECTION

Monday 26th April 1943.

No. 29740.

OBSERVATIONS at 13h. G.M.T. 25th April

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)	13·6	−16	WSW	5	c-bc	61	45	37	8	1	-	5	4-6	7-8	2500
	Croydon	15·3	−10	SW'W	4	bc	61	65	49	8	2	-	1	4-6	4-6	2500
	S. Farnborough	14·2	−18	WSW	6	bc	62	45	38	8	1	-	-	4-6	4-6	2000
	Boscombe Down	14·5	−14	SW	6	c-bc	59	55	43	8	2	-	-	7-8	7-8	2000
	Thorney Island	16·4	−6	SW'S	5	c-bc	58	75	49	7	8	3	-	4-6	7-8	1800
	Lympne	16·7	−6	WSW	5	c-bc	57	75	50	8	1	6	6	4-6	7-8	2500
	Manston	15·9	−2	SW	6	c-bc	62	45	43	8	2	-	4	2-3	7-8	2000
2	Shoeburyness	14·6	−4	SW	3	bc	65	55	46	8	2	7	-	4-6	4-6	4000
	Felixstowe	13·7	−4	E'S	5	bc	63	35	39	7	1	-	-	4-6	4-6	4000
	Gorleston	12·8	0	SW'W	5	bcq	61	45	38	7	7	-	-	4-6	4-6	2500
	Mildenhall	12·4	−2	WSW	6	bc	61	45	37	8	1	-	-	4-6	4-6	3000
	Cranwell	10·0	−2	SW'W	7	c-bc	58	55	42	8	2	-	-	4-6	7-8	3000
3	Birmingham	10·8	−6	SW	5	bc	57	45	36	8	1	-	-	4-6	4-6	2500
	Upper Heyford	12·5	−16	WSW	6	bc	59	45	35	8	1	-	-	4-6	4-6	2000
4	Ross-on-Wye	12·3	−14	SW	7	b-bcq	58	35	33	8	1	-	-	2-3	2-3	3500
5	Hartland Point	12·3	−22	W	5	b-bc	52	85	46	7	2	4	-	1	2-3	2000
	Bristol	14·2	−10	WSW	5	bc	60	55	42	8	2	-	-	4-6	4-6	2500
	Portland Bill	16·6	−4	SW	5	c-bc	52	85	48	8	2	-	-	7-8	7-8	4000
	Plymouth	17·2	−6	SW'W	5	bc	54	75	47	7	2	3	-	2-3	4-6	2500
	The Lizard	16·9	−4	WSW	5	bc	55	85	50	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	15·9	−10	SWW	5	c-bc	57	75	48	7	5	3	-	7-8	7-8	1500
	Guernsey															
6	Pembroke	11·4	−14	SW'W	7	b-bcq	53	85	47	7	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	05·8	−24	SW'W	8	b-bc	54	75	45	7	1	7	3	1	2-3	2500
	Chester (Sealand)	07·7	−18	SWS	7	c-bc	61	35	35	8	4	6	-	4-6	7-8	2500
8	Manchester	08·3	−14	SSW	6	c-bc	59	35	33	8	2	3	-	4-6	7-8	2500
10	Spurn Head	08·6	−4	WSW	6	bcq	56	45	33	7	2	-	-	4-6	4-6	2500
	Catterick (Sc)	04·5	−14	WSW	5	bc	57	45	38	8	1	-	-	4-6	4-6	3000
	Tynemouth	03·7	−2	SW	6	bcq	55	45	30	7	2	-	-	4-6	4-6	2400
11	St. Abbs Head	95·8	−34	W	8	c-bc	51	75	43	7	1	4	-	4-6	7-8	3500
	Leuchars	94·7	−34	SW	6	pr	51	65	38	7	9	-	-	10	10	2000
12	Renfrew (Abbots I.)	94·2	−42	SSW	6	RR	49	85	43	6	6	2	-	10	10	1600
	Eskdalemuir	98·5	−30	S'W	8	o/F	46	75	39	8	5	-	-	10	10	1500
	Point of Ayre	99·9	−38	WSW	8	c-bc	58	65	45	8	7	3	5	4-6	7-8	2000
13A	Tiree	89·8	−24	SW	6	c/r	47	85	43	8	8	6	-	7-8	9	3000
13B	Stornoway	85·7	−18	SSW	6	c-bc	49	65	37	8	3	6	-	4-6	7-8	2200
15	Dalwhinnie	91·0	−22	SSW	4	rr	39	85	36	6	5	-	-	10	10	1500
	Aberdeen	94·3	−12	SSW	5	pr	49	75	40	7	9	-	-	10	10	2000
	Wick	90·0	−6	SSW	5	c-bc	49	75	40	8	5	7	-	4-6	7-8	2400
16	Sumburgh	88·8	+4	SW'W	6	c	47	85	41	8	3	6	3	4-6	7-8	2000
17	Blacksod Point	96·2	+10	WSW	8	c/pr	50	65	39	7	8	-	-	4-6	4-6	1500
18	Malin Head	91·5	−22	WSW	7	c-bc/r	48	55	33	8	9	-	-	7-8	7-8	1500
	Aldergrove	96·5	−26	SSW	7	c/pr	49	85	43	8	8	-	8	9	9	1500
19	Birr Castle	02·0	−16	WSW	5	c	50	75	43	7	6	2	-	7-8	10	800
20	Valentia Obsy.	06·6	+6	WSW	7	PR	48	85	44	7	9	-	-	9+	9+	2500
	Roches Point	07·1	−22	WSW	6	iro	54	85	50	7	6	2	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 25th April — PAST 24 HOURS (WEATHER)

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)	7h.—13h. 25th (39)	13h.—18h. 26th (40)	18h. 25th to 1h. 26th (41)	1h.—7h. 26th (42)
London (Kew)	11·5	−8	SW'W	5	bc	57	55	42	8	8	3	-	4-6	4-6	4000	1	•	cbcy	czcy	bbcqpR	cbcc
Croydon	13·3	−8	WSW	5	pr	57	75	49	8	8	-	-	4-6	9	2000	0	•	cbc	bccpro	cirrbcb	bbcc
S. Farnborough	12·5	−10	WSW	6	c-bc	55	65	44	8	7	3	-	7-8	7-8	1800	0	•	cbcy	bccyc	cbbccrcb	bbcciroc
Boscombe Down	13·3	−2	SW	5	b	54	75	44	8	1	-	-	1	1	2000	0	•	bbc-ybc	cycprcb	cbcb	ccirocpr
Thorney Island	14·7	−10	SW	6	c-bc	54	75	45	8	-	3	-	0	7-8	-	0	•	cbcc	cbcybcb	bccRR	bbcc
Lympne	14·0	−12	WSW	5	b	54	65	42	8	1	-	-	Tr	Tr	2000	0	§	bc	bcbcbcby	bcciro	bcb
Manston	13·7	−4	SW'W	5	b-bc	55	65	43	8	2	-	-	2-3	2-3	2000	0	•	cbcy	bcby	bcmo	bcmov
Shoeburyness	12·3	−6	SW	4	b	57	55	42	8	2	-	-	1	1	4000	0	•	cbcc	cbc	bc	bc
Felixstowe	10·7	−18	SW'S	6	bc	58	55	43	8	1	3	-	Tr	4-6	2500	0	5	bcy	bcy	bcycprb	bbc
Gorleston	09·2	−18	WSW	4	bcq	61	45	38	7	2	-	-	4-6	4-6	2500	0	3	cbc	bcqy	bccprcq	bcq
Mildenhall	09·1	−14	WSW	5	c-bc	59	45	37	8	2	-	-	7-8	7-8	2500	0	•	bcy	cy	cyb cprob	bbcc
Cranwell	05·8	−22	SW	8	bc	55	55	40	8	4	-	-	4-6	4-6	3500	1	•	bccy	bcy	bcprb	bbcrro iro
Birmingham	07·3	−20	SSW	5	c	53	65	42	8	5	-	-	9+	9+	1500	1	•	probc	bcc	cro	ciro
Upper Heyford	09·8	−14	SW'W	7	pr	55	55	37	8	4	-	-	7-8	7-8	2500	0	•	bcmobc	bcycy	cprob	bbcc
Ross-on-Wye	08·7	−16	SW	6	ido	53	65	42	7	5	-	-	2-3	2-3	3000	0	•	bcq	bcqcq	rqcqbq	bcqcq
Hartland Point	09·6	−18	WSW	7	c	52	85	48	7	6	2	-	7-8	10	1500	0	5	bbc	bbcq	cirbcb	bcq
Bristol	11·7	−14	WSW	6	c	56	65	45	8	8	-	-	9	9	2500	1	•	bcbbc	cbcybc	cmorcir,prcq	ccproiroc
Portland Bill	15·0	−4	SW	5	bc	53	92	49	8	1	-	-	4-6	4-6	4000	1	6	c	bcbcv	crbc	bcbc
Plymouth	15·6	−10	WSW	6	c-bc	53	85	47	7	8	6	-	7-8	7-8	2000	0	3	bcmobc	bccbc	crorcbc	bcmoroc
The Lizard	15·2	−6	WSW	7	bc	53	85	49	8	7	-	-	4-6	4-6	2500	1	5	bc	bc	bcprc	bprrc
Scilly (St. Mary's)	14·5	−10	SW'W	7	c	53	75	47	7	5	-	-	9	9	1500	1	3	bcpoc	cbcc	cpqc	cpobcc
Guernsey																					
Pembroke	08·4	−4	WSW	8	cq	49	85	45	7	8	-	-	9+	9+	2500	1	5	bcq	cprq	bcq	bcq
Holyhead (Valley)	03·0	−6	WSW	6	c	48	85	45	8	8	7	-	7-8	9	1500	1	6	cy	crrmc	bcc	cjpbc
Chester (Sealand)	03·9	+20	SW'S	3	bc/r	51	75	43	7	5	3	-	4-6	4-6	2000	1	•	bccprbcy	bccporo	bcpry	bccroro
Manchester	03·9	−18	SSW	7	RR	49	85	45	5	6	2	-	7-8	10	1000	1	•	procbcy	cyrrrr	RRbc	cmorr
Spurn Head	04·4	−12	SSW	6	bcq	57	45	46	7	7	3	-	4-6	4-6	2500	0	4	bcq	bcqcq	bq	procq
Catterick (Sc)	00·1	−20	WSW	6	bc/r	48	85	44	6	3	6	-	4-6	4-6	3000	1	•	bybcy	bcyprbcm	bcproc	cpro
Tynemouth	98·9	−4	SW	8	c-bcq	49	75	41	7	2	-	-	7-8	7-8	2400	1	4	bcq	bcrrcq	bcqpo	bccpq
St. Abbs Head	93·1	−8	SW	5	PHR	48	85	45	7	5	2	-	7-8	9	2500	1	4	bcprbc	bccirprh	bcprc	bccprc
Leuchars	91·1	−20	W	4	bc	49	85	45	8	1	3	9	2-3	4-6	2000		•	bcprocpro	cbc	bcirocromo	crofromocbc
Renfrew (Abbots I.)	92·7	−14	SW	4	iro	48	65	36	8	5	2	-	7-8	10	1800		•	phoprc,RR	RRprcir	cmororrcm	prcpro
Eskdalemuir	95·0	−6	SW'W	6	bc	46	75	38	8	8	-	-	4-6	4-6	2200	1	•	bccprh	cprpRbc	bccprorr	crRpr
Point of Ayre	97·7	−8	W'N	7	b	51	65	38	8	4	-	-	Tr	Tr	2500	1	5	bbccq	bcc	cprb	prgq
Tiree	85·5	−28	SW'S	7	c/r	45	83	41	7	8	-	-	9+	9+	2000	1	6	crrmo	coroc	cprbc	bcprcroroc
Stornoway	81·7	−26	S	7	c/r	45	92	44	6	5	2	-	7-8	10	900	1	5	cprobc	ccrorom	crromocbc	cpr
Dalwhinnie	83·0	−18	SSW	5	pr	39	85	35	6	5	-	-	10	10	1500	1	•	bprsrr	orrpr	•	opr
Aberdeen	89·1	−16	WSW	5	b	50	45	29	8	8	4	1	Tr	Tr	2500	1	3	bccpro	cproby	bybcc	cbcq
Wick	86·3	−20	SW	3	c-bc	44	75	36	8	8	7	-	4-6	7-8	2000	0	•	c	cprcbc	bc	bccpro
Sumburgh	85·5	−26	SW'W	5	c	45	75	38	8	2	6	3	4-6	9	2000	1	3	cbcc	propho c	cbccproc	c
Blacksod Point	94·0	−14	SW'W	8	iro	49	75	42	6	6	2	-	4-6	10	1500	2	7	pr	+	pr	pr
Malin Head	87·7	−32	SW	8	pr	48	85	44	8	9	-	-	9+	9+	1500	1	6	pr	pr	pr	pr
Aldergrove	95·5	−6	SSW	6	c/p	48	55	34	7	5	2	-	9	9+	2000	1	•	ccproc	cprocy	cyirrorom o	crrproc
Birr Castle	02·6	+2	W	5	pr	49	55	34	8	8	-	-	7-8	7-8	1500	1	•	r	pr	•	pr
Valentia Obsy.	08·9	+14	W'S	7	pr	50	65	39	8	3	-	-	7-8	7-8	2500	1	7	pr	pr	pr	pr
Roches Point	08·6	+22	W	6	bc	50	70	43	8	3	-	-	4-6	4-6	1500	1	5	r	r	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 26th April 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Strong gusty west winds, veering northwest decreasing moderate; fair; considerable fair periods especially at night and first part of tomorrow; rather cold today, somewhat warmer tomorrow.
4 W. Midlands; 5 S.W. England; 6 South Wales	Strong west to northwest winds, gale on coast at first; some local showers, bright periods; fair to fine tomorrow; rather cold.
7 North Wales; 8 N.W. England; 9 N. Midlands	Fresh northwest winds decreasing moderate to light; fair to fine; rather cold today, becoming somewhat warmer tomorrow.
10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Wind northwest strong to squally, gale at times, moderating, showers and bright periods; mainly fine tomorrow; rather cold.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Wind northwest, strong to gale, squally, decreasing fresh to moderate; squally showers of rain with hail locally; rather cold
16 Orkneys and Shetlands	As 10-15
17 N.W. Ireland; 18 N.E. Ireland	As 7-9
19 S.E. Ireland; 20 S.W. Ireland	As 4-6

GENERAL INFERENCE

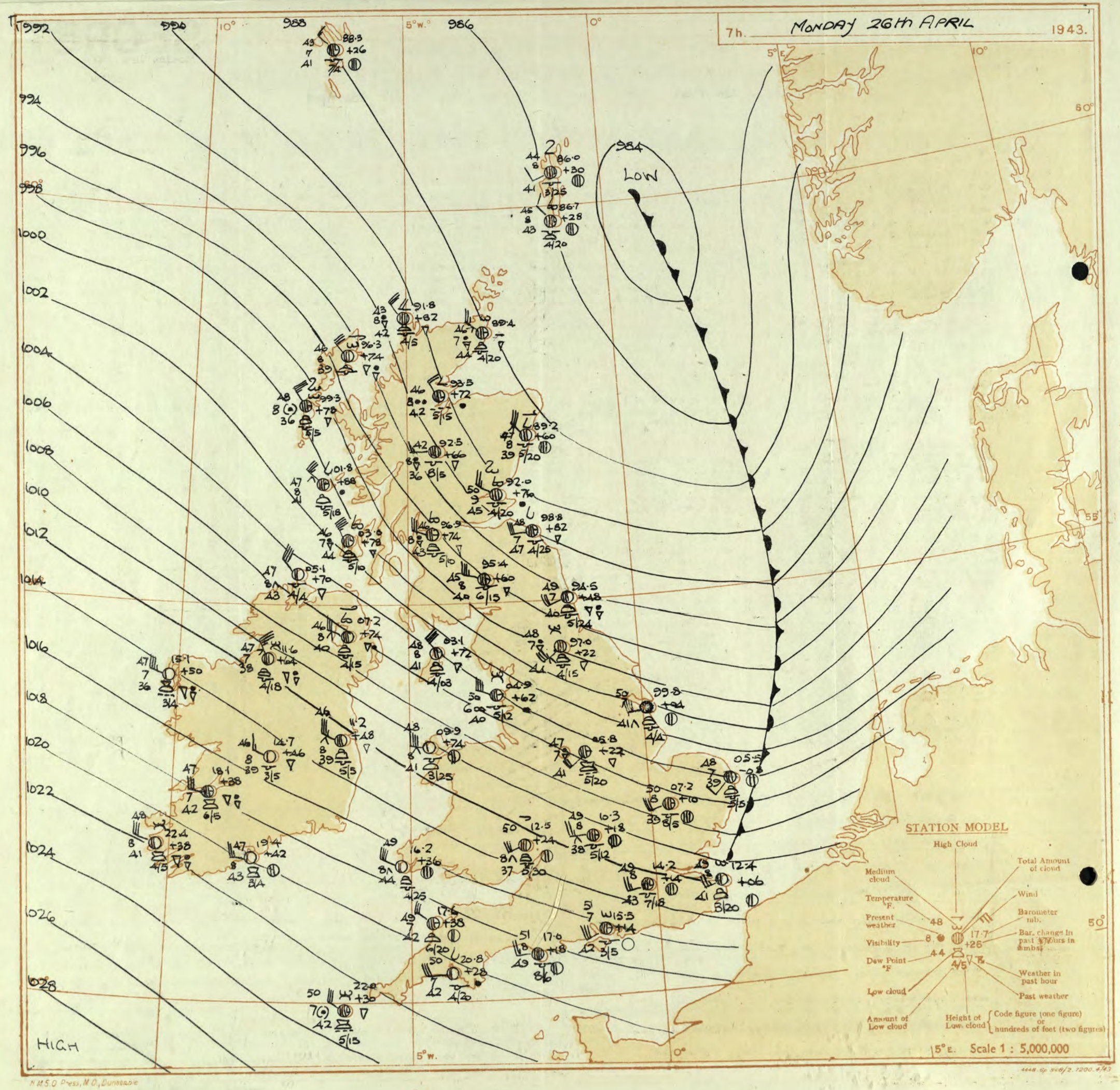
A depression near Shetland is moving away northeast and a pronounced ridge of high pressure will move in over the British Isles. The strong to gale squally winds will steadily moderate. There will be showers and bright periods in many districts at first but weather will become mainly fine over England and Wales. It will be rather cold today but will be somewhat warmer tomorrow.

FURTHER OUTLOOK

Probably fair in the South and Southeast; unsettled with renewal of rain in the West and North. Gale warning in operation in districts 19 11, issued at 1350 G.M.T 24 April; in districts 1, 2, issued 1915 GMT 24 April; warning renewal in districts 5,6,7,8,12,13A,13B,15,16,17,18,19,20, 1200 GMT 25th April warning of severe gales in districts 5,6,7,8,11,12,13A,13B,15,16,17,18,19,20, issued 1700 G.M.T. 25 April

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 two hours to get double summer time.

BRITISH SECTION

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

Monday 26th April 1943

No. 29140

OBSERVATIONS at 1 hr. G.M.T. 26th April

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	12·5	+4	W	4	b	48	85	43	7	5	-	-	1	1	2500
	S. Farnborough	226	12·2	+18	W'S	5	b	48	75	40	8	5	-	-	1	1	4000
	Boscombe Down	417	12·9	+8	WSW	5	b	45	75	39	8	5	-	-	Tr	Tr	4000
	Thorney Island	10	13·6	-2	W'S	5	cbc/c	49	85	43	8	2	-	-	7·8	7·8	3400
	Lympne ..	283	12·6	-8	WSW	5	b-bc/r	50	85	46	8	5	-	-	2-3	2-3	2000
	Manston ...	154	11·1	-12	SW'W	5	2o	52	85	46	6	2	-	-	7·8	7·8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·6	-2	SW'W	6	b	50	75	42	8	5	-	-	Tr	Tr	2500
	Gorleston ...	5	07·1	-12	W'S	4	cbc/pr	50	55	32	7	8	-	-	7·8	7·8	1500
	Mildenhall ...	15	07·6	+6	SW'W	5	b	47	75	39	8	-	-	-	0	0	-
	Cranwell ...	203	04·1	-2	SW'W	8	b	45	65	39	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·7	0	W'S	5	b	44	75	37	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·4	+4	WNW	6	bcq	49	75	40	8	2	-	-	4-6	4-6	2500
	Bristol ...	209	12·0	+2	W	6	cbc	48	75	40	7	8	-	-	7·8	7·8	2900
	Portland Bill ...	32	14·5	+6	SW	6	bc	50	92	48	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	16·5	+10	W	7	2o	48	75	40	6	5	-	-	2-3	2-3	2000
	The Lizard ...	240	17·2	+12	WNW	7	cbc	49	65	39	8	8	-	-	7·8	7·8	1500
	Scilly (St.Mary's)	163	17·9	+18	W'N	6	c	49	75	40	7	8	-	-	7·8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	10·1	+10	W	8	bq	49	85	44	8	2	-	-	1	1	4000
7	Holyhead (Valley)	32	01·6	-12	SW'W	9	c	49	75	42	7	5	-	-	9+	9+	3000
	Chester (Sealand)	16	02·6	-12	SW	7	io	49	65	38	7	5	-	-	4-6	4-6	4900
8	Manchester ...	235	02·0	-22	SW'S	6	2o	47	65	37	6	5	-	-	10	10	2800
10	Spurn Head ...	29	01·9	-14	SW	6	bq	47	65	35	7	-	-	-	0	0	-
	Catterick (Sc.)...	192	95·7	-22	WSW	8	io	45	85	41	7	5	2	-	4-6	10	1400
	Tynemouth ...	108	92·3	-36	W	6	pr	46	75	39	7	-	2	-	4-6	9	2500
11	St. Abbs Head	280	84·9	-48	SW	7	bc/pr	45	97	45	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	83·0	-40	SW	6	io	45	97	44	6	5	2	-	7·8	10	2900
12	Renfrew (Abbots I.)	19	82·5	-46	WSW	6	c/r	48	85	44	6	8	-	-	9+	9+	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	92·2	-24	W	8	pr	48	85	44	8	6	7	-	4-6	10	1000
13A	Tiree	44	84·0	+52	NW'W	7	b-bc	48	85	44	8	3	-	-	2-3	2-3	2000
13B	Stornoway ...	15	82·7	+26	WNW	4	b-bc	41	97	41	7	9	-	-	2-3	2-3	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	83·4	-34	SSW	5	c	45	85	41	8	5	-	-	10	10	2800
	Wick ...	114	82·7	-10	SSW	3	bc	43	85	38	8	5	-	-	4-6	4-6	2500
16	Sumburgh ..	19	83·4	-6	SSW	4	c/pr	43	92	41	7	2	7	-	7·8	9+	2000
17	Blacksod Point	18	04·2	+70	NW'W	9	bc/pr	49	75	41	7	9	-	-	4-6	4-6	1500
18	Malin Head ...	84	89·7	+70	W'N	8	c/r	48	92	46	7	9	2	-	2-3	9	1500
	Aldergrove ...	268	92·4	+18	W	6	c/r	47	85	43	6	5	2	-	7·8	10	1600
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·3	+34	WNW	7	pr	47	75	39	8	8	-	-	9	9	2500
	Roches Point	22	12·2	+16	WNW	4	pr	47	85	43	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 26th April

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	12·	+14	WSW	5	c	50	65	40	7	8	-	-	9	9	1500	1	*
Croydon ...	14·2	+14	W'S	5	c	49	75	43	8	5	-	-	9+	9+	1800	1	*
S. Farnborough	14·4	+20	W'S	6	c/r	49	75	40	8	5	3	-	9	9+	1000	1	*
Boscombe Down	14·7	+12	W	5	c/pr	48	85	43	7	5	-	-	9+	9+	1000	1	*
Thorney Island	15·5	+14	WSW	6	c	51	75	42	7	5	3	-	2-3	9	2500	0	*
Lympne ..	14·0	+6	WSW	5	c	49	65	39	8	5	-	-	9+	9+	1200	1	5
Manston ...	12·4	+6	WSW	5	bc	49	75	41	8	2	3	-	2-3	4-6	2000	1	*
Shoeburyness ...	12·0	+8	WSW	5	bc	51	65	40	7	1	-	-	4-6	4-6	2500	0	*
Felixstowe ...	08·9	-2	SW	8	b-bc	49	65	38	8	5	-	-	2-3	2-3	4000	0	5
Gorleston ...	05·5	-8	SW'W	5	cbc	48	75	39	7	8	-	-	7·8	7·8	2500	0	4
Mildenhall ...	07·2	+10	WSW	6	c	50	65	39	8	5	-	-	10	10	2500	0	*
Cranwell ...	04·5	+22	W'S	7	io	49	85	43	7	5	-	-	9+	9+	2000	1	*
Birmingham ...	09·5	+24	WSW	5	cbc/pr	47	75	40	8	6	-	-	7·8	7·8	800	1	*
Upper Heyford	10·3	+18	W'S	5	c	49	65	38	8	5	-	-	7·8	9	1200	0	*
Ross-on-Wye	12·5	+24	W'S	6	cbq	50	65	37	8	8	-	3	7·8	7·8	3000	0	*
Hartland Point	17·6	+38	WNW	6	c	49	75	42	7	2	-	-	9	9	2000	0	5
Bristol ...	15·4	+28	W	7	c	50	75	43	7	5	-	-	9+	9+	2300	1	*
Portland Bill ...	17·0	+18	W	5	c	51	92	49	8	5	-	-	10	10	4000	1	5
Plymouth ...	20·8	+28	W	6	bc	50	75	42	7	5	4	-	4-6	4-6	2000	1	4
The Lizard ...	21·3	+20	WNW	7	2o	49	75	42	8	3	-	-	4-6	4-6	1500	1	5
Scilly (St.Mary's)	22·0	+30	WNW	6	cjp	50	75	42	7	9	6	-	7·8	9+	1500	1	6
Pembroke ...	16·2	+36	WNW	8	bcq	49	85	44	8	8	-	-	4-6	4-6	2500	1	5
Holyhead (Valley)	09·9	+54	W'N	8	b-bc	48	75	41	8	7	-	-	2-3	2-3	2500	1	6
Chester (Sealand)	07·3	+50	W'S	7	c	50	65	37	8	5	7	-	4-6	9+	1000	0	*
Manchester ...	05·9	+42	W'S	7	io	47	85	41	6	6	2	-	7·8	10	800	1	*
Spurn Head ...	99·8	+4	W'S	8	cq	50	75	41	7	8	9	-	4-6	10	1500	0	5
Catterick (Sc.)...	97·0	+22	SW	7	pr	48	85	44	7	8	6	-	4-6	7·8	1500	1	*
Tynemouth ...	94·5	+48	WSW	6	cbc/pr	49	75	40	7	8	-	-	7·8	7·8	2400	1	4
St. Abbs Head	98·8	+82	W	6	c	48	92	47	7	5	4	-	4-6	9	2500	0	5
Leuchars ...	92·0	+76	WNW	5	cbc	50	85	45	9	5	7	9	4-6	7·8	2000	1	*
Renfrew (Abbots I.)	96·9	+74	W'N	6	pr	46	92	43	8	8	7	-	7·8	9	1000	2	*
Eskdalemuir ...	95·4	+60	WNW	7	c	45	85	40	8	5	-	-	9	9	1500	1	*
Point of Ayre...	03·1	+72	NW	8	bc	48	75	41	8	8	-	-	4-6	4-6	2000	1	6
Tiree	01·8	+88	NW'W	7	cbc/pr	47	75	41	8	8	4	-	7·8	9	1800	0	6
Stornoway ...	96·3	+74	NW	6		46	75	39	8	8	3	3	4-6	7·8	1800	1	4
Dalwhinnie ...	92·5	+66	W	3	pr	42	85	36	8	5	-	-	10	10	2500	1	*
Aberdeen † ...	89·2	+60	NW'W	5	cbc	47	75	39	8	5	4	8	7·8	7·8	2000	1	3
Wick ...	89·4	+50	WNW	5	PR	46	92	44	7	8	3		4-6	9	7000	1	*
Sumburgh ..	86·7	+28	NW	2	c	45	92	43	8	7	7	-	4-6	9+	2000	1	3
Blacksod Point	15·1	+50	WNW	7	b-bc/pr	47	65	36	7	9	-	-	2-3	2-3	1500	1	6
Malin Head ...	05·1	+70	NW'W	8	bcq	47	85	43	8	5	-	-	4-6	4-6	1500	1	6
Aldergrove ...	07·2	+74	WNW	6	cbc/r	46	75	40	8	8	7	1	4-6	7·8	1500	1	*
Birr Castle ...	14·7	+46	WNW	3	b-bc	46	75	39	8	5	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	22·4	+38	WNW	6	bc/pr	48	75	41	8	3	6	-	4-6	4-6	2500	1	6
Roches Point	19·4	+42	W	5	b-bc	47	85	43	8	3	-	-	2-3	2-3	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	61	47	42	-	1	8·8
Croydon ...	63	46	42	-	3	10·0
S. Farnborough	62	45	39	-	1	10·1
Boscombe Down	60	43	40	Tr	1	8·7
Thorney Island	59	47	41	0·1	0·4	*
Lympne ..	59	45	40	Tr	Tr	8·4
Manston ...	63	45	41	-	1	9·2
Shoeburyness ...	65	47	40	-	-	9·6
Felixstowe ...	65	47	42	-	0·3	10·4
Gorleston ...	64	46	45	-	1	13·5
Mildenhall ...	63	45	39	-	0·5	10·2
Cranwell ...	61	42	42	-	Tr	10·4
Birmingham ...	59	44	40	Tr	2	6·9
Upper Heyford	60	44	38	-	0·3	*
Ross-on-Wye	58	46	41	Tr	0·4	7·0
Hartland Point	53	48	45	-	0·6	8·6
Bristol ...	61	46	41	-	2	10·8
Portland Bill ...	53	49	*	-	2	*
Plymouth ...	55	47	42	-	1	10·5
The Lizard ...	56	47	*	-	0·6	11·1
Scilly (St.Mary's)	56	47	*	Tr	0·2	9·2
Pembroke ...	58	46	*	3	-	7·1
Holyhead (Valley)	55	47	45	2	-	*
Chester (Sealand)	61	47	41	2	2	7·3
Manchester ...	59	43	39	1	4	*
Spurn Head ...	60	40	*	-	3	11·5
Catterick (Sc.)...	57	45	41	3	1	8·8
Tynemouth ...	56	46	42	1	1	*
St. Abbs Head	54	41	*	4	1	
Leuchars ...	53	44		7	1	6·9
Renfrew (Abbots I.)	50	45	38	12	9	2·6
Eskdalemuir ...	47	41	39	4	12	3·1
Point of Ayre...	58	46	*	3	2	9·1
Tiree	50	44	42	6	3	3·2
Stornoway ...	51	40	37	2	5	1·8
Dalwhinnie ...	40	37	32	19	15	1·8
Aberdeen † ...	52	44	41	0·2	-	9·4
Wick ...	51	39	37	0·2	Tr	
Sumburgh ..	49	43	37	2	0·2	3·3
Blacksod Point	50	45	*	11	2	*
Malin Head ...	51	43		5	4	2·4
Aldergrove ...	53	43	42	1	7	6·5
Birr Castle ...	53	44	41	8	2	4·8
Valentia Obsy.	53	46	43	2	2	3·7
Roches Point	54	46	*	5	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th April ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02845	51525	83	02743	50565
115	51	14844	87727	52	62735	53688
203						
206	62	62755	20368	52	02853	22315
210	62	22852	52368	23	02953	19465
219	36	01764	52815	96	25754	52786
230	62	64645	53588	62	63644	53568
245	8-	81647	53687	14	01762	54582
260	5-	61856	18687	50	01853	54513
278	9-	82848	50618	86	02846	55587
279	27	01753	19924	86	02844	20763
285				-		
288	10	01963	52613	8-	72644	53665
575	80	22744	54665	62	61634	53788
301	24	01852	20614	56	25855	22786
321	20	01854	53584	76	02855	53626
2.)	21	01744	18414	80	01755	20615
292	20	01864	20614	2-	81648	22688
310						
614	20	02765	57625	7-	05667	53727

01h. G.M.T. 26th April ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109				87	81745	28587
115	57	22844	20287	82	81854	61688
203	5-	03848	22388			
206	50	01753	00063	61	62845	28467
210	5-	01864	20124	57	02755	24487
219	30	81855	29685	83	10855	62786
230	62	61645	28368	9-	81757	58587
245	8-	01754	54684	8-	02955	26425
260	5-	25754	51684	50	02755	24615
278	02	64648	56788	53	02734	59866
279	62	62645	21968	57	61755	59687
285				27	81745	28688
288	5-	61767	52617	53	02844	56685
575	62	64624	55865	86	25744	63785
301	51	02766	55927	56	05645	25866
321	5-	05667	20507	52	62846	58588
2.)	5-	02745	22515	84	14744	22614
292	2-	81765	22685	57	03844	24686
310				--	63628	26668
614	57	05645	55608	57	61645	22767

13h. G.M.T. 25th April ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	53	02774	53716	67	22744	54767
334						
340	14	02954	53625	8-	81748	55688
136	20	01954	22584	40	18763	18713
336						
350	2-	01854	55514	26	02744	51626
368	23	05733	55514	5-	02745	55718
379	10	01854	55614	96	02846	55626
390	10	02765	56515	86	02755	53626
382	83	01864	55515	8-	02856	53586
438	8-	48209	23649	04	14690	22712
430	53	02754	55626	53	01754	54615
409	26	01853	84613	5-	02758	54668

01h. G.M.T. 26th April ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
338	5-	05667	55787	57	02755	57527
334						
340	5-	05648	57728			
136	00	00790	20780	5-	02847	22727
336						
350	00	00790	55660			
368	820	01763	55763	8-	02644	58627
379	00	00790	55660	2-	81745	55625
390	00	05690	55500	26	05645	55615
382	00	00790	55510	5-	01854	57624
438	50	14743	24813	54	01753	24814
430	5-	01754	55614	5-	02756	55616
409	50	01755	57725	2-	02756	52876

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 26th April
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 ...	cbcy	czcy	bcqpRc	
Croydon ...	cbc	bccpro	cirribcb	
Greenwich ...	zcy	bccy	bcpbc	Kew 24 hours ended 7h.
Camden Square	bc	bc	*	Max. Time
Kensington ...	zc	bc	*	<0·1 whole period
Hampstead ...	bc	bc	orbc	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 %	Humidity 9h % To-day
Kew ...	61	47	42	-	1	8·8	*	*
Croydon ...	63	46	42	-	3	10·0	*	*
Greenwich ...	64	45	38	-	0·5		40	57
Westminster ...	64	47	41	3			65	65
Regents Park ...								
Camden Square	64	47	41	-		*	*	56
Kensington ...	65	46	42	-	3			55
Hampstead ...	62	46	39	-	0·5		*	61

SECRET

Page 1 BRITISH SECTION

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

Tuesday 27th April 1943

No. 29741

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

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)	18·5	+26	WNW	5	fofo	57	35	31	8	8	–	–	7·8	7·8	2500
	Croydon	19·5	+24	WNW	5	cbc	57	55	40	8	2	–	–	7·8	7·8	2500
	S. Farnborough	19·4	+26	WNW	6	c	58	45	33	8	8	6	–	9	9	2000
	Boscombe Down	20·2	+26	W	6	cbc	54	65	41	8	2	–	1	7·8	7·8	2000
	Thorney Island	20·7	+22	W	6	c	58	65	47	8	2	–	–	9	9	2800
	Lympne	18·4	+18	WNW	5	c	56	45	35	8	5	–	–	9	9	1200
	Manston	17·1	+30	W	5	cbc	57	45	39	8	8	–	–	7·8	7·8	2000
2	Shoeburyness	16·4	+22	WSW	5	cbc	57	45	38	8	2	–	–	7·8	7·8	4000
	Felixstowe	15·1	+30	W'N	7	cbc	55	65	43	7	7	–	–	7·8	7·8	4000
	Gorleston	12·3	+46	S'W	6	cq	51	65	40	7	8	–	–	9+	9+	1500
	Mildenhall	14·8	+48	W'N	6	c/pr	55	45	35	8	8	–	–	4-6	9	2000
	Cranwell	12·8	+38	W'N	7	bc/pr	55	45	37	7	8	6	1	4·6	4·6	3500
3	Birmingham	17·2	+20	W	5	c	53	92	51	8	8	7	–	7·8	9	2500
	Upper Heyford	16·7	+24	W'N	5	bc	56	45	35	8	2	–	–	4-6	4-6	2000
4	Ross-on-Wye	19·1	+24	W'N	7	bcq	55	45	36	8	7	–	–	4-6	4-6	3500
5	Hartland Point	23·8	+22	WNW	5	b-bc	51	75	42	8	2	4	5	2-3	2-3	2500
	Bristol	21·5	+32	W	6	cbc	53	75	46	8	8	–	–	4-6	7·8	3300
	Portland Bill	23·0	+26	W	5	bc	55	85	51	8	2	–	–	4-6	4-6	1000
	Plymouth	25·4	+22	WNW	6	cbc	55	55	40	8	1	–	–	7·8	7·8	2000
	The Lizard	26·7	+20	WSW	6	bc	53	75	44	8	2	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	27·7	+18	NW'W	5	bc	55	65	44	8	8	3	–	4-6	4-6	1500
	Guernsey															
6	Pembroke	22·5	+20	W	6	bcq	50	85	46	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	18·5	+34	W	7	b-bc	55	55	38	8	2	6	–	1	2-3	3000
	Chester (Sealand)	16·2	+42	W	9	bc/pr	54	55	37	8	2	4	1	4-6	4-6	2000
8	Manchester	15·2	+38	W	7	cbc	51	65	39	8	2	6	3	4-6	7·8	2000
10	Spurn Head	09·6	+58	WNW	9	cbc	53	55	35	7	2	4	–	4-6	7·8	2500
	Catterick (Sc)	09·2	+54	NW	7	bc	54	55	40	8	8	6	–	4-6	4-6	2500
	Tynemouth	07·7	+52	WSW	8	cbq	55	45	35	7	8	–	–	7·8	7·8	2400
11	St. Abbs Head	03·4	+44	WNW	6	c	50	85	46	7	5	–	–	9+	9+	2500
	Leuchars	09·3	+42	WNW	4	bc	53	65	42	9	8	7	8	4-6	4-6	2000
12	Renfrew (Abbots I.)	09·3	+46	WNW	6	pr	50	75	40	6	8	–	–	9+	9+	1400
	Eskdalemuir	08·6	+50	W'N	6	cbc/pr	47	75	39	8	8	–	2	2-3	7·8	2200
	Point of Ayre	14·1	+60	NW	6	bc	50	75	43	8	4	4	8	4-6	4-6	2000
13A	Tiree	11·1	+40	W'N	7	bcjp	49	75	42	8	3	–	3	4-6	4-6	1000
13B	Stornoway	03·9	+34	WNW	8	cbcj/pr	48	85	44	8	8	–	9	4-6	7·8	2200
15	Dalwhinnie		+32	WNW	3	pr	45	75	38	7	5	–	–	9+	9+	2500
	Aberdeen	01·4	+52	NW	5	cbcjp	51	45	33	8	2	3	3	4-6	7·8	3000
	Wick	99·3	+48	WNW	7	c/pr	47	85	43	7	8	–	–	9+	9+	2000
16	Sumburgh	93·2	+28	WNW	7	iro	46	92	45	8	5	1	–	7·8	10	1500
17	Blacksod Point	21·7	+28	W'N	6	bc	50	65	39	8	9	–	–	4-6	4-6	1500
18	Malin Head	13·7	+38	NW	7	cbc/pr	48	75	40	8	9	–	–	7·8	7·8	1500
	Aldergrove	15·3	+34	W'N	6	bc	49	65	37	8	8	2	–	4-6	4·6	2000
19	Birr Castle	21·6	+26	NW	4	bc	50	75	42	8	8	–	–	4·6	4-6	1500
20	Valentia Obsy.	27·3	+22	NW'W	5	cbc/pr	51	65	40	8	2	–	–	7·8	7·8	2500
	Roches Point	24·9	+22	W'N	5	bc	52	75	44	8	3	–	–	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 26th April / 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. 26th (39)	13h.–18h. 26th (40)	18h. 26th to 1h. 27th (41)	1h.–7h. 27th (42)
London (Kew)	22·1	+22	WNW	4	c-bc	57	25	30	8	2	–	–	7-8	7-8	2500	1	•	kqprbccy	cbcy	bcycbcb	bbccz
Croydon	22·9	+22	NW'W	4	b-bc	56	55	39	8	4	–	–	2·3	2·3	3500	1	•	cprocy	bcy	bcycbcb	bbcc
S. Farnborough	22·9	+20	W'N	5	c-bc	55	55	40	8	8	–	–	7-8	7-8	3000	0	•	cjpcy c	cybcycy	cybccbcpcb	bbcc
Boscombe Down	23·9	+22	W'N	6	bc	52	65	42	8	2	6	–	4-6	4-6	2500	0	•		cbcybbc	bcb	cwc
Thorney Island	24·6	+20	W	5	b-bc	55	55	34	8	8	–	–	2·3	2·3	2500	0	•	cproc	cbcy	b	bcwcfg
Lympne	22·2	+22	WNW	4	c	54	45	36	9	5	–	–	9	9	2000	0	4	cprocy	cy	cbcyb	bbcc
Manston	21·1	+22	WNW	3	c-bc	56	55	40	8	8	–	–	7-8	7-8	4000	0	•	cy	bccbcy	bccbc	bc
Shoeburyness	20·1	+22	WNW	3	bc	56	45	34	8	2	–	–	4-6	4-6	4000	0	•	bcprocy	cbcy	bcybc	bccw
Felixstowe	20·0	+26	NW'W	5	c	55	55	38	8	7	–	–	9	9	4000	0	4	cproc	cprocy	bcb	bccmo
Gorleston	17·6	+16	WNW	5	bcq	55	55	40	7	8	–	–	4-6	4-6	1800	0	4	cq	cbcy	bcb	bcc
Mildenhall	19·5	+30	W'N	5	bc	56	45	36	8	1	–	–	4-6	4-6	2500	0	•	cycpro	cy	bcycb	bbcc
Cranwell	18·0	+24	WNW	6	b-bc	53	45	34	7	4	–	–	2-3	2-3	4000	1	•	cirocprobcy	bccbcy	bybccprbc	c
Birmingham	20·8	+20	W	5	c/pr	52	65	41	8	8	7	–	9	9+	1600	1	•	cprobc	cbcc	cb	bbc
Upper Heyford	21·0	+10	W'N	4	c-bc	54	45	31	9	1	–	–	7-8	7-8	2000	0	•	cbcycybcy	bcjvcyv	b	bccw
Ross-on-Wye	22·9	+26	W	4	c-bc	53	55	36	9	8	–	1	7-8	7-8	3500	0	•	cqpocqy	bcqcqy		bcc
Hartland Point	26·4	+16	WNW	5	b	50	85	44	8	1	–	1	Tr	1	2500	0	4	cbc	bcb	b	bc
Bristol	24·5	+22	W	5	bc	51	75	43	8	8	–	–	4-6	4-6	3700	1	•	ccproc	cbcpobc c	bcbw	bwbcwc
Portland Bill	25·8	+12	W	4	c	53	85	49	8	2	4	–	4-6	9	4000	1	5	cbc		bbbc	c
Plymouth	27·8	+16	NW'W	5	bc	52	55	40	8	8	–	–	4-6	4-6	2000	0	2	bcycy	cybcy	bcb	bbcc
The Lizard	28·6	+4	WNW	6	bc	53	75	44	8	2	–	–	4-6	4-6	2500	1	5	cbc	bc	bccbc	bcc
Scilly (St. Mary's)	29·3	+6	NW'W	5	bc	51	75	43	8	1	–	–	4-6	4-6	1500	0	5	cbc	bc	bccbc	bc
Guernsey																					
Pembroke	25·2	+10	W	4	b-bcq	50	85	46	8	2	4	–	1	2·3	3000	0	4	bcq	bcq	bc	bccq
Holyhead (Valley)	22·6	+22	W'N	4	b-bc	51	65	41	8	8	6	–	2·3	2·3	3500	1	4	bccbc	bccpro	probc	ciroc
Chester (Sealand)	20·6	+2	WNW	6	bc	50	65	39	8	8	3	–	4-6	4-6	2500	0	•	btcypro	cbcy	bc, b	bcbbc
Manchester	19·6	+32	W	5	c-bc	49	65	38	8	2	3	–	4-6	7-8	2500	1	•	roroproc	cbcy	cbcbbc	bciro
Spurn Head	15·1	+20	WNW	8	b-bc	53	55	35	8	2	–	–	2-3	2-3	2500	0	5	bc	bc	bc	c
Catterick (Sc)	14·8	+34	NW	5	bc	50	65	39	8	8	–	–	4-6	4-6	2500	1	•	cprobc	bcproy	bccpro	cido
Tynemouth	13·0	+20	W	8	b-bcq	52	55	34	7	–	4	–	2-3	2-3	4100	0	6	cq	cbcq	bcqbbc	bccmo
St. Abbs Head	09·0	+22	W	7	bc	50	85	44	7	1	4	–	2-3	4-6	3500	0	6	cbcphrc	cbc	bbccbc	bcc
Leuchars	10·8	+40	W'N	4	bc	52	65	39	9	2	3	5	2-3	4-6	2500	0	•	cprocbc	cbcbc	bbcprobc	bcc
Renfrew (Abbots I.)	14·2	+38	WNW	4	bc/pr	44	85	39	7	3	6	–	2-3	4-6	2500	2	•	bccmopro	cmprocprbc	cprobc	bccproc
Eskdalemuir	14·1	+24	W	6	pr	43	75	34	8	8	–	–	4-6	4-6	1800	1	•	cbcpro	bcypr	proprmo	cprcmo
Point of Ayre	18·7	+18	NNW	6	b-bc/phr	49	65	38	8	2	4	–	1	2-3	3500	1	5	cprbc	cphr	cbc	bcc
Tiree	15·0	+10	W'N	7	bcjp	47	75	39	8	3	4	3	4-6	4-6	1000	1	6	cprbc	bc	c	bcc
Stornoway	09·3	+34	W	8	bc/pcs	47	75	38	8	3	3	3	1	4-6	1500	1	5	cprobc	cirphbc	bcprc	cprbc
Dalwhinnie	11·0	+22	WSW	3	c	39	85	34	7	5	6	–	7-8	9+	2500	1	•	oprc	cmprcprc		coprbc
Aberdeen	07·4	+34	WNW	5	c/pr	47	65	38	8	3	9	3	2-3	9+	2500	1	3	bcqprcqy	cpsq	cprbcb	bbcc
Wick	04·9	+36	NW	7	cbc/pr	45	75	37	8	8	–	4	4-6	7-8	2000	1	•	cproc	cpscps	bcpro	cprobc
Sumburgh	97·7	+26	NW'W	6	c/pr	46	85	42	8	8	7	–	7-8	9	1800	1	3	ciro	rrpsc	cprphprbc	cprhoho
Blacksod Point	23·6	+6	W	6	c/pr	50	75	42	8	9	3	–	4-6	9	2500	1	5	bc	pr		pr
Malin Head	17·5	+22	WNW	7	bc	49	75	41	8	9	–	–	4-6	4-6	1500	1	5	pr	pr	pr	pr
Aldergrove	20·1	+22	W	5	c-bc	49	55	34	8	8	3	–	7-8	7-8	2000	1	•	cproc	bccproc	bccrr	crororc
Birr Castle	24·8	+18	NW	4	bc	52	65	41	8	–	8	–	0	4-6	–	1	•	pr	bc	•	c
Valentia Obsy.	28·7	+2	WNW	4	c/pr	50	75	42	8	8	–	–	9	9	2500	1	4	pr	pr	bc	pr
Roches Point	27·2	+12	WNW	5	bc	53	65	42	8	5	–	–	4-6	4-6	2500	1	4	pr	bc	bc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 27th April 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Moderate west to southwest winds, fresh locally. Bright intervals, 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; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate west to southwest wind, fresh locally; bright intervals; showers and local thunderstorms, rather cold.
16 Orkneys and Shetlands; 17 N. W. Ireland; 18 N. E. Ireland	As 7-15.
19 S. E. Ireland; 20 S. W. Ireland	Moderate west wind backing southwest, fresh; cloudy, local rain, rather cold.

GENERAL INFERENCE

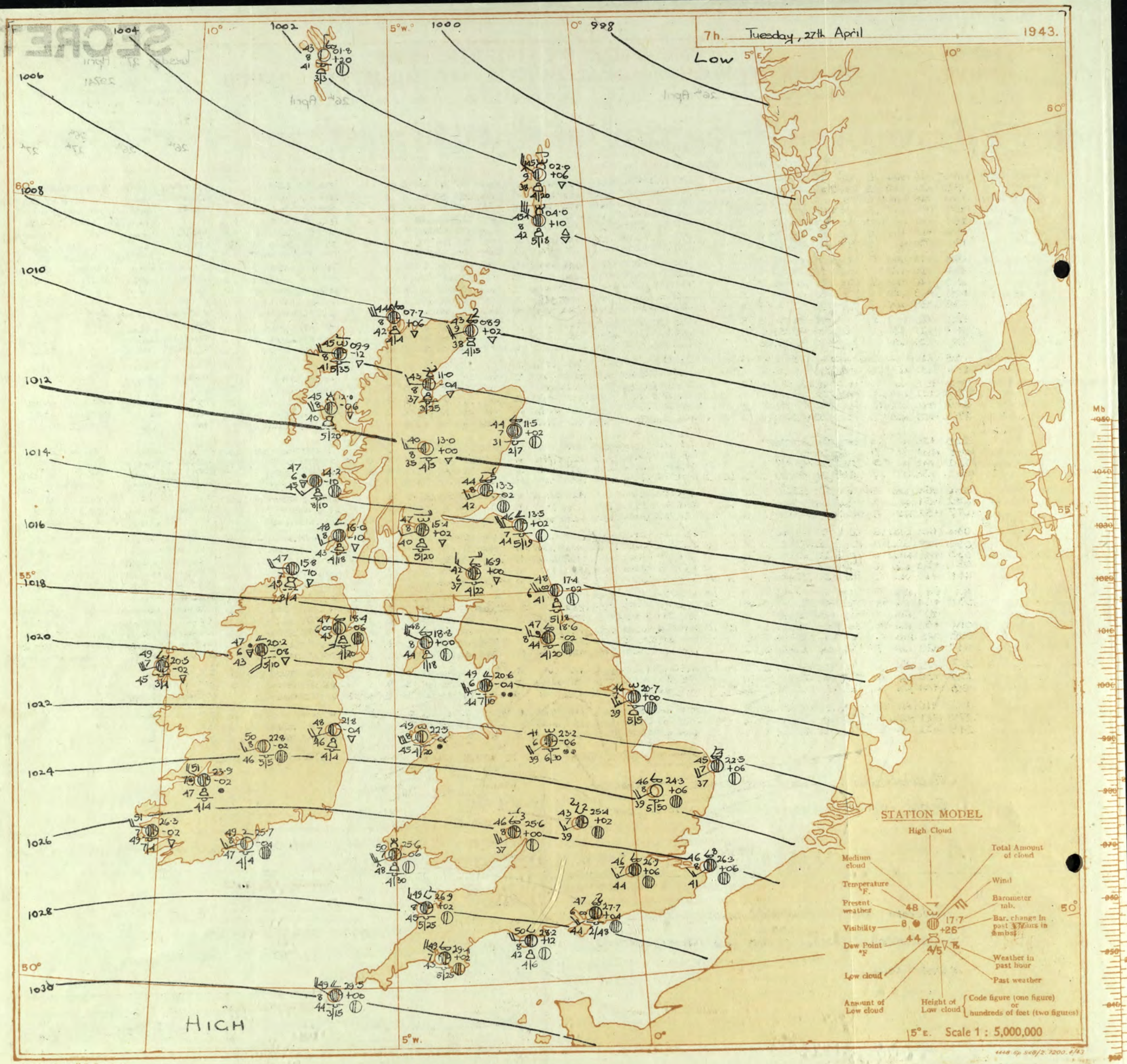
Pressure is low to the northeast and high to the south of the British Isles. There will be bright intervals and showers in the North of the British Isles. In the South there will be variable amounts of cloud and local rain.

FURTHER OUTLOOK

Probably mainly dry in the South and warmer; occasional rain in the North

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).

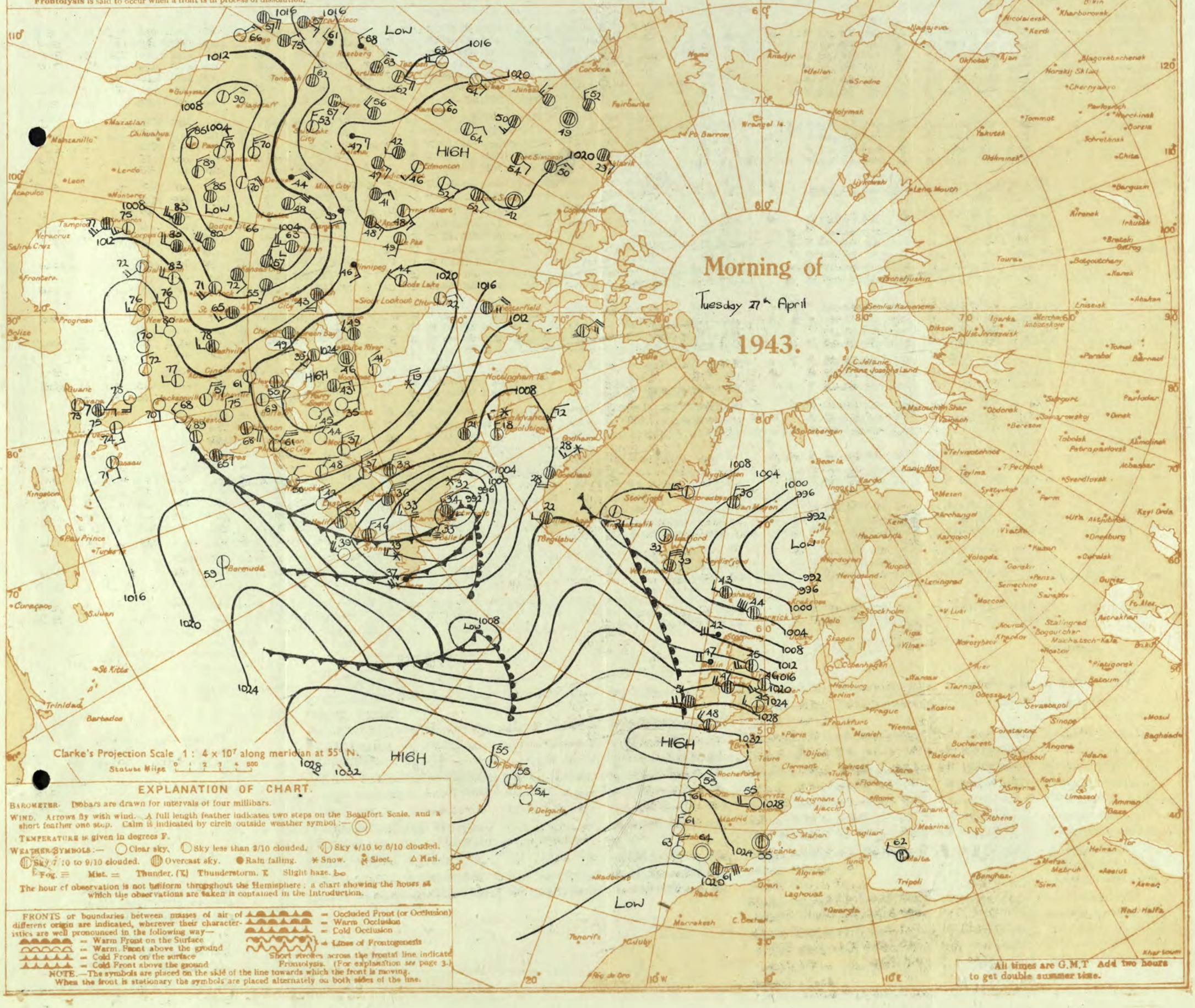
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 two hours to get double summer time.

BRITISH SECTION

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

Tuesday 27th April 1943

No 29741

OBSERVATIONS at 1 hr. G.M.T. 27th April

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	26·5	+6	W'N	3	b	45	92	43	7	-	4	-	0	1	-
	S. Farnborough	226	26·7	+6	W'S	4	b	44	85	41	7	-	-	-	0	0	-
	Boscombe Down	417	27·2	+6	W'S	2	b	41	92	39	7	-	-	-	0	0	-
	Thorney Island	10	27·4	+14	W	3	b	45	85	41	8	-	-	-	0	0	-
	Lympne	283	26·3	+10	W	3	b	43	85	39	8	5	-	-	1	1	3000
	Manston	154	26·3	+14	WNW	3	b	47	75	40	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·7	+22	WNW	3	b	47	75	40	7	5	-	-	Tr	Tr	4000
	Gorleston	5	21·2	+12	WNW	3	b	46	65	34	7	-	-	-	0	0	-
	Mildenhall	15	23·9	+10	WSW	4	b	42	85	36	7	-	-	-	0	0	-
	Cranwell	203	22·5	+10	W'S	5	c	43	75	36	7	-	-	7	0	10	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·5	+8	WSW	2	b-bc	40	85	37	8	-	7	-	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·7	-2	WNW	4	b	49	85	45	8	-	4	-	0	1	-
	Bristol	209	27·6	+2	W	2	b	44	85	41	7	5	-	-	Tr	Tr	4000
	Portland Bill	32	28·1	+10	W	4	b-bc	50	92	48	8	5	-	-	2-3	2-3	4000
	Plymouth	82	29·7	-2	W	3	b	46	92	44	7	-	-	-	0	0	-
	The Lizard	240	30·2	0	NW	4	b-bc	48	85	43	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	30·2	-2	NW'W	4	bc	48	75	42	8	8	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	28·6	+4	WNW	3	b-bc	49	85	45	7	2	4	-	1	2-3	4000
7	Holyhead (Valley)	32	24·4	+2	W'N	5	c-bc	47	75	41	8	8	6	-	4-6	7-8	3000
	Chester (Sealand)	16	23·7	+6	WNW	3	b-bc	47	75	39	7	5	-	-	2-3	2-3	3000
8	Manchester	235	23·0	+2	WSW	4	b-bc	45	76	38	7	5	-	-	2-3	2-3	3000
10	Spurn Head	29	20·7	+14	W'S	5	bc	46	75	38	7	7	-	-	4-6	4-6	2500
	Catterick (Sc.)	192	18·8	0	W	4	c-bc	45	75	38	8	-	7	-	0	7-8	-
	Tynemouth	108	16·9	+4	W	5	bc	45	65	35	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	14·0	+12	W	6	bc	45	92	43	7	5	-	-	4-6	4-6	2500
	Leuchars	36	13·8	+6	WSW	3	bc/pr	42	92	40	8	-	-	-	4-6	4-6	2000
12	Renfrew (Abbots I.)	19	15·5	-6	W	4	bc/pr	45	85	40	8	4	-	8	4-6	4-6	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·6	-8	W'N	6	bc	47	85	42	8	4	7	-	1	4-6	2000
13A	Tiree	44	15·9	-2	W	4	c	46	85	43	8	5	7	-	4-6	10	3500
13B	Stornoway	15	12·0	+6	W	6	pr	42	85	38	7	8	-	-	9+	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11·4	+6	WNW	4	b	40	85	35	9	-	-	-	0	0	-
	Wick	114	08·6	+10	W	5	bc/pr	39	55	36	8	3	-	-	4-6	4-6	1000
16	Sumburgh	19	02·5	+16	WNW	6	b-bc/pr	45	85	41	8	3	6	3	2-3	2-3	1500
17	Blacksod Point	18	21·9	-10	WSW	6	c/r	50	85	46	7	6	-	-	9	9	1500
18	Malin Head	84	17·3	-8	W	4	pr	47	85	43	8	9	-	-	10	10	1500
	Aldergrove	268	20·2	-4	SW	3	++	45	85	42	7	-	2	-	10	10	1800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·7	-12	WSW	4	c	51	85	47	8	5	-	-	10	10	2500
	Roches Point	22	28·4	-6	W	3	bc	47	85	43	8	5	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 27th April — 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)	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)
London (Kew)	26·2	+2	WSW	2	Z0	47	75	40	6	5	2	-	9	10	2500	1	*	58	45	38	0·2	-	6·0
Croydon	26·9	+6	W'S	3	c	46	92	44	7	-	7	-	0	10	-	0	*	59	43	39	Tr	-	8·9
S. Farnborough	27·1	+10	W	4	c	46	75	39	8	-	7	7	0	10	-	0	*	57	42	36	Tr	Tr	8·1
Boscombe Down	27·2	+2	SW'W	2	c	45	92	42	9	-	7	7	0	9+	-	0	*	55	39	34	-	-	7·8
Thorney Island	27·7	+4	W'S	3	Z0	47	85	44	6	5	7	6	1	10	4800	1	*	59	42	36	-	-	*
Lympne	27·1	+2	W'S	2	c	44	85	40	7	-	3	7	0	10	-	0	3	59	38	31	Tr	-	9·2
Manston	26·3	+6	SW'W	3	c	46	85	41	8	-	7	-	0	10	-	0	*	60	42	38	-	0·3	9·7
Shoeburyness	25·8	+6	W	2	c	48	75	41	6	5	1	-	4-6	10	2500	1	*	60	45	36	Tr	-	7·3
Felixstowe	24·6	0	W	4	c	48	75	40	7	-	2	-	0	10	-	0	3	59	43	38	0·4	-	8·[illegible]
Gorleston	22·5	+6	W'S	4	c-bc	45	75	37	7	-	7	5	0	7-8	-	0	3	59	43	39	-	-	6·7
Mildenhall	24·3	+6	SW'W	4	c	46	75	39	8	5	7	-	7-8	9+	5000	0	*	59	41	35	Tr	-	7·3
Cranwell	22·2	+4	W'S	5	c	45	85	40	7	5	7	6	1	10	5000	1	*	57	41	38	-	Tr	8·4
Birmingham	24·4	0	SW	3	c	44	75	37	8	5	7	6	2-3	9	5700	1	*	56	41	37	Tr	-	9·2
Upper Heyford	25·4	+2	WSW	3	c	43	85	39	7	-	4	9	0	9+	-	0	*	57	39	33	-	-	*
Ross-on-Wye	25·6	0	SW'W	3	c	46	75	37	8	-	7	8	0	9	-	0	*	57	44	37	Tr	-	8·0
Hartland Point	26·9	+2	WNW	3	c	49	85	45	8	5	4	5	7-8	9+	2500	0	4	52	47	44	-	-	10·4
Bristol	27·1	0	W	2	c-bc	47	85	42	7	5	4	2	1	7-8	4300	1	*	56	43	36	Tr	Tr	7·8
Portland Bill	28·2	+12	W	4	c	50	92	48	8	2	4	-	4-6	10	4000	1	5	55	47	*	-	-	*
Plymouth	29·4	+2	WNW	4	c	49	75	43	7	5	7	-	7-8	9	2500	0	2	57	45	38	-	-	10·9
The Lizard	29·3	+2	NW'W	4	c	49	85	45	8	5	1	-	7-8	9+	2200	1	4	54	47	*	-	-	11·6
Scilly (St. Mary's)	29·5	0	WNW	4	c	49	85	44	8	5	2	-	2-3	9+	1500	0	4	55	47	*	-	-	11·8
Guernsey																							
Pembroke	25·6	-6	W'S	5	c-bcq	50	92	48	7	8	6	-	4-6	7-8	3000	0	4	52	47	*	-	-	7·7
Holyhead (Valley)	22·5	-6	WSW	6	c-bc	49	85	45	8	5	3	-	4-6	7-8	2000	1	5	57	46	43	1	Tr	*
Chester (Sealand)	21·8	-10	WSW	2	c/pr	48	85	43	7	5	3	-	7-8	9	2000	1	*	55	45	28	Tr	Tr	10·2
Manchester	21·3	-10	SSW	4	c/r	46	85	40	7	5	7	-	7-8	9+	1500	1	*	54	42	37	0·3	Tr	*
Spurn Head	20·7	0	SW'W	5	c	46	75	39	7	7	3	-	7-8	10	2500	0	2	54	45	*	-	-	9·1
Catterick (Sc.)	18·6	-2	W	3	Id0	47	85	44	8	5	7	-	4-6	10	2000	1	*	54	47	35	Tr	Tr	8·5
Tynemouth	17·4	-2	W	5	Z0	48	75	41	6	8	-	-	7-8	7-8	1800	0	3	56	44	40	-	-	*
St. Abbs Head	13·5	+2	W	5	c	46	92	44	7	5	2	-	7-8	9+	1900	0	4	53	43	*	0·1	-	*
Leuchars	13·3	-2	WSW	3	c	44	92	42	8	-	7	8	0	9+	-	0	*	54	41		-	Tr	8·[illegible]
Renfrew (Abbots I.)	15·4	+2	SW'W	1	c	47	75	40	8	8	3	2	7-8	9	2000	1	*	54	43	34	1	0·2	7·1
Eskdalemuir	16·9	0	WNW	3	c/pr	42	85	37	6	5	7	2	4-6	9+	2200	1	*	50	39	35	2	4	6·0
Point of Ayre	18·8	0	W'N	5	Ic	48	85	44	8	2	7	-	Tr	9	1800	0	4	55	46	*	0·6	-	7·8
Tiree	14·2	-10	SW	3	PR	47	92	45	6	8	-	-	10	10	1000	1	3	51	44	39	14	0·3	9·3
Stornoway	09·9	-12	W	4	c	45	85	41	8	5	3	5	7-8	9+	3500	1	2	51	40	37	2	2	7·3
Dalwhinnie	13·0	0	W	3	bc	40	85	35	8	5	-	-	4-6	4-6	2500	1	*	46	36	33	8	3	3·7
Aberdeen †	11·5	+2	-	0	c	44	65	31	7	5	7	-	1	10	5700	2		53	39	34	0·3	0·1	4·7
Wick	08·9	+2	W'S	4	c-bc	43	75	38	9	3	7	6	4-6	7-8	1500	0	*	51	37	34	1	0·3	*
Sumburgh	04·0	+10	WNW	7	c-bc/ph	45	85	42	8	2	6	-	7-8	7-8	1800	1	4	47	42	39	4	4	1·2
Blacksod Point	20·5	-2	WSW	6	c/pr	49	85	45	7	5	5	-	2-3	9	1500	1	4	53	48	*	1	2	*
Malin Head	15·8	-10	W	4	c/pr	47	92	43	7	9	-	-	10	10	1500	1	4	50	46		1	-	7·9
Aldergrove	18·4	-6	SW'S	3	Z0	47	85	43	6	8	7	-	4-6	7-8	2000	1	*	52	44	41	0·2	1	8·9
Birr Castle	22·8	-2	WSW	3	c-bc	50	85	46	8	5	-	-	7-8	7-8	2500	1	*	56	44	41	0·1	-	10·2
Valentia Obsy.	26·3	-2	W	4	c	51	92	49	7	5	-	-	9+	9+	1500	1	4	53	49	45	0·2	Tr	9·2
Roches Point	25·7	-4	W'S	3	bc	49	92	47	8	5	-	5	4-6	4-6	1500	1	4	54	47	*	0·1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th April ... 18h. G.M.T. ... 01h. G.M.T. 27th April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
109	87	25244	58688	86	25645	59787	37	25643	57684	8-	02754	57684
115	37	10844	61686	37	02844	61627	37	10844	61626	27	25844	01687
203										8-	81847	21527
206	90	25854	59685	87	81853	59685	50	01852	24301	84	02853	24285
210	2-	25953	26585	23	02853	58686	40	01962	21312	57	02954	21427
219	36	25853	59885	20	01854	59784	80	01854	26584	96	25855	23485
230	36	81756	59687	3-	27755	58585	9-	25757	24287	84	01864	20325
245	84	10954	59525	89	02941	26515	50	01951	22201	59	02961	22327
260	8-	02855	22625	80	25854	55784	5-	01763	22613	54	01753	20314
278	26	01753	59783	36	01752	50725	86	01854	55514	57	02853	22467
279	96	88855	57687	30	10844	58684	27	02865	24687	64	02835	21587
285	23	25744	26784							6-	63628	26668
288	84	25844	57684	17	01851	57511				57	61855	20328
575	8-	81845	63586	26	02845	65486	52	61745	57467	62	82645	18488
301	86	25744	26685	26	25853	24684	07	01890	57514	62	22647	56567
321	8-	61756	59686	86	01754	59584	57	02763	24418	57	62654	20468
[illegible]	84	14744	24514	80	14744	26614	50	01745	24315	54	02746	22328
292	24	01845	24616	26	01850	24614	03	01890	24314	57	61754	22367
310										--	61628	20468
614	8-	02755	57726	8-	02766	57516	5-	05653	57403	57	61564	22327
333	2-	01864	58514	9A	10864	57484	53	02861	24427	52	22765	23468
334										--	03447	24228
340	86	02954	59524	86	82846	61386	50	02744	24215	57	02854	23425
136	80	02755	24825	20	02964	58624	04	01790	22482	57	02865	22428
330	13	01753	28515	53	01754	28415				57	02656	20428
350	2-	01855	26785	40	01864	25524	50	01853	20303	57	02763	22327
368	8-	05645	57515	80	01744	56514	50	00761	26301	83	02744	26416
379	20	02945	50625		02855	57515	00	00890	24300	07	02790	20327
390	20	01755	57625	40	17544	59624	00	05690	24413	02	05590	18328
382				40	01964	58424	00	00790	23110	07	02890	22327
438	8-	01755	23785	54	01753	23714	50	01752	26412	5-	02757	24317
430	26	01854	56514	40	02753	57413	03	01790	24203	07	02790	23227
409	20	01853	59614	20	02855	59515	50	05653	26313	5-	02845	23417

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 27th April
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	kqprbccy	cbcy	bcybc0
Croydon	cprocy	bcy	bcybbcc
Greenwich	cqpy	cqby bc	bcbcy
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bcp	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 27th: Max. 0.1 6h; Min. 0.1 rest of period

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	58	45	38	0·2	-	6·0	*	*
Croydon	59	43	39	Tr	-	8·9	*	*
Greenwich	59	43	33	Tr	-	7·8	35	56
Westminster	61	45	39	0·4		*	44	63
Regents Park	59	44	40	Tr	-	*	42	65
Camden Square	60	44	39	-	0·2	*	39	63
Kensington	60	44	39	0·2	-	*	39	63
Hampstead	59	41	38	-	Tr	-	*	67

Page 1 BRITISH SECTION

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

SECRET

Wednesday, 28th April 1943.

No. 29742

OBSERVATIONS at 13h. G.M.T. 27th April

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)	23·8	-16	W'S	4	c	55	65	41	8	8	-	-	9+	9+	1500
	Croydon	24·8	-14	W	4	c-bc	57	65	47	8	2	-	-	7-8	7-8	2500
	S. Farnborough	24·6	-14	W	5	c	56	55	41	8	7	7	-	9	9+	2000
	Boscombe Down	24·5	-18	W'S	5	c	55	65	45	8	5	7	2	7-8	9+	2000
	Thorney Island	25·4	-14	WSW	4	c	56	65	46	8	5	-	-	9+	9+	4000
	Lympne	24·4	-20	W	4	c	56	55	39	8	5	-	-	9	9	3000
	Manston	23·7	-18	W	3	c	57	55	41	8	2	-	-	9	9	2500
2	Shoeburyness	22·7	-20	W	3	c-bc	59	55	41	7	4	-	-	7-8	7-8	4000
	Felixstowe	22·5	-14	W	4	c	58	55	41	7	7	-	-	9	9	4000
	Gorleston	20·6	-14	W	4	c-bc	58	55	41	7	8	-	-	7-8	7-8	2500
	Mildenhall	21·3	-18	W'S	6	c	57	55	41	8	2	-	-	9+	9+	3000
	Cranwell	19·2	-18	SW'W	6	c-bc	59	55	44	7	2	3	2	4-6	7-8	4000
3	Birmingham	21·1	-14	WSW	4	c	56	65	44	8	8	7	-	7-8	9+	2500
	Upper Heyford	22·7	+20	W'S	4	c	56	65	44	8	7	-	2	7-8	9	2000
4	Ross-on-Wye	23·2	-12	W	3	c/pr	52	85	48	6	6	-	3	7-8	9+	2500
5	Hartland Point	25·8	-6	WNW	4	c-bc	52	92	49	7	5	4	-	4-6	7-8	2000
	Bristol	25·3	-10	W	5	c	55	75	48	7	8	3	-	9	9+	1400
	Portland Bill	26·5	-14	SW	4	c	51	92	49	8	5	-	-	10	10	4000
	Plymouth	27·7	-14	W'S	4	c	54	75	47	8	5	7	-	7-8	9+	2000
	The Lizard	28·3	-8	W	5	c-bc	55	85	51	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	28·8	-4	W	4	c-bc/r	56	85	50	7	8	6	9	1	7-8	1500
	Guernsey															
6	Pembroke	24·5	-8	W'S	5	c	52	92	51	7	5	6	-	4-6	9+	2500
7	Holyhead (Valley)	20·5	-12	SSW	5	c	52	75	46	7	5	7	-	7-8	9+	2000
	Chester (Sealand)	19·9	-14	W	3	c	57	55	42	8	5	-	8	7-8	9+	2500
8	Manchester	19·4	-16	WSW	5	c	55	55	40	8	2	3	-	7-8	10	1500
10	Spurn Head	18·5	-12	W	6	cq	54	65	43	6	8	7	-	4-6	9+	1500
	Catterick (Sc)	16·2	-18	WNW	4	c-bc	57	65	46	7	5	7	6	4-6	7-8	3000
	Tynemouth	16·4	-6	W	4	c/pr	48	85	43	7	8	2	-	7-8	9	2200
11	St. Abbs Head	12·4	-8	WNW	3	c	51	85	47	7	5	2	-	4-6	9+	3100
	Leuchars	11·8	-14	WSW	4	c	51	85	46	8	7	6	8	7-8	9+	3000
12	Renfrew (Abbots I.)	13·6	-10	WSW	3	c/r	48	85	43	6	3	7	-	4-6	9+	2000
	Eskdalemuir	12·1	-18	WSW	4	c/pr	46	85	41	8	5	-	-	9+	9+	1600
	Point of Ayre	17·3	-10	WNW	5	c/pr	52	85	46	8	8	7	-	7-8	9+	2000
13A	Tiree	13·7	+4	WNW	5	bc	50	85	46	9	2	-	-	4-6	4-6	3000
13B	Stornoway	10·9	+8	WNW	6	bc/pr	50	75	41	8	2	6	1	4-6	4-6	1800
15	Dalwhinnie	11·3	-4	W	3	c/pr	44	85	39	7	5	1	-	9	10	1500
	Aberdeen	10·2	-14	WNW	3	c	54	55	35	8	2	8	-	9	9+	2500
	Wick	08·9	-2	WNW	4	c-bc	48	75	40	8	8	1	-	4-6	7-8	2000
16	Sumburgh	04·6	+2	W	6	c-bc	47	85	42	8	2	6	-	7-8	7-8	2000
17	Blacksod Point	21·8	+6	W	6	c	53	75	46	7	5	-	-	10	10	2500
18	Malin Head	15·6	+2	W'N	5	pr	50	85	43	8	9	-	-	9+	9+	1500
	Aldergrove	18·1	+6	W'S	4	r/tlr	47	75	41	8	3	2	-	4-6	9	2000
19	Birr Castle	22·5	+2	WNW	4	c	57	55	42	8	8	-	8	7-8	9	1300
20	Valentia Obey.	26·5	-2	W	4	c-bc	54	85	50	7	2	3	-	2-3	7-8	1500
	Roches Point	24·5	-8	W	4	bc	58	75	51	8	1	3	-	1	4-6	4000

OBSERVATIONS at 18h. G.M.T. 27th April — 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. 27th (39)	Weather 13h.–18h. 27th (40)	Weather 18h. 27th to 1h. 28th (41)	Weather 1h.–7h. 28th (42)
London (Kew)	20·5	-12	W'S	4	c	56	55	40	8	8	-	-	9+	9+	1500	1	•	cbcc	cpr₀cy	cy b, c	cbcm₀ w
Croydon	21·5	-18	W'N	4	c-bc	57	65	45	7	2	6	-	7-8	7-8	2500	0	•	c		bcb	bm₀wcm₀
S. Farnborough	21·2	-14	WNW	5	c-bc	56	55	40	8	8	7	-	4-6	7-8	2000	0	•	ccy	cybcy	cbcb	bbm₀wbcm₀bc
Boscombe Down	22·3	-10	W	5	c-bc	55	65	44	8	8	-	6	4-6	7-8	2500	0	•	c	cbc	bccbbm₀	bcm₀cm₀
Thorney Island	22·3	-6	SW	4	c	54	85	49	7	8	6	5	7-8	9+	2800	0	•	cfgwo	cpr₀c	bm₀	bcm₀cfg
Lympne	21·9	-10	SW	4	bc	52	85	46	7	2	-	9	4-6	4-6	2000	0	5	cy	cycbc	bcbm₀	bcbm₀w
Manston	20·4	-26	SW'W	4	c	56	65	44	8	5	7	-	7-8	9	2000	0	•	cybcy	cyc	cp rbm₀	b, cm₀
Shoeburyness	20·6	-10	WSW	4	ir₀	55	65	45	7	6	2	-	7-8	10	2500	1	•	cbcc	cbccir₀	cir₀Hrc	cm₀
Felixstowe	18·5	-26	W	5	c/pr	56	65	44	6	8	8	-	7-8	9	5000	0	5	c	cpr₀c	b	bm₀c
Gorleston	17·8	-6	WSW	3	c-bc/pr	58	97	58	7	8	-	-	7-8	7-8	1000	0	3	cqy	cpr₀yt	or₀ tlbcb	bcc
Mildenhall	19·3	-4	WNW	5	PR	46	85	43	6	3	6	-	9+	10	2000	1	•	ccy	cycpR	cprm₀ bbm₀	bm₀, c
Cranwell	17·5	0	W'S	4	c	47	92	45	7	8	-	-	9+	9+	1500	1	•	cmcy	cycpr₀tlhc	cbcm₀ prbm₀	bm₀pr₀b, cm₀
Birmingham	19·6	-2	WNW	6	bc	53	92	51	8	8	-	-	4-6	4-6	2500	1	•	cbcpr	cbcpr₀ht	bc	bccpr₀
Upper Heyford	20·0	-4	W'S	4	pr	53	75	45	7	3	6	3	4-6	9	2500	0	•	c	bcpr₀	bbcw	bcm₀bcm₀
Ross-on-Wye	20·7	-6	W	5	b-bc	56	55	41	8	2	-	-	2-3	2-3	3000	1	•	cbccp	ir₀cPbc	bcb	bccb c
Hartland Point	23·4	-10	W	3	bc	51	92	49	7	5	-	5	2-3	4-6	2000	0	4	c	bbc	bcc	cw
Bristol	22·1	-18	W	5	b-bc	52	85	48	7	8	3	-	2-3	2-3	1900	1	•	bccr₀c	ccpr₀bc	bwbm₀w	bm₀wbccm₀
Portland Bill	23·6	-8	SW	4	c-bc	52	85	48	8	5	-	-	7-8	7-8	4000	1	5	cc	cc	cbc	cd
Plymouth	25·9	-6	W'N	5	c-bc	54	75	45	8	8	-	-	7-8	7-8	2500	0	2	c	cbcb	bcbcc	cbccm₀
The Lizard	26·0	-8	W	5	c-bc	52	85	48	8	8	6	-	7-8	7-8	2000	0	4	c	cbcc	cbc	c
Scilly (St. Mary's)	26·8	-12	WNW	4	b-bc	54	85	49	7	8	-	-	2-3	2-3	1800	0	4	c	cbc	b cbbcw	bcw c
Guernsey																					
Pembroke	22·6	-10	W'S	6	bc	51	92	49	7	2	4	1	2-3	4-6	3000	0	4	c	cbc	bccw	c
Holyhead (Valley)	20·7	+2	W'N	4	c	51	75	45	8	8	6	-	7-8	9	3000	1	3	cir₀c	cir₀bc	cpr₀cb	bpr₀ bcc
Chester (Sealand)	18·9	0	WNW	3	bc	53	65	42	7	5	3	-	Tr	4-6	2500	1	•	ccy	cyprtlr₀	bcc	c
Manchester	18·6	0	W'N	4	z₀	50	75	42	6	2	6	3	4-6	4-6	4000	1	•	ir₀pr₀c	cprc	bm₀cm₀	cbccm₀
Spurn Head	15·9	0	W'N	6	cq	51	65	41	6	7	7	-	4-6	9	1500	0	4	cqm₀	prcq	bm₀	c
Catterick (Sc)	15·4	+4	W	3	bc	50	75	41	8	8	6	1	2-3	4-6	2000	1	•	cid₀pr₀	cpr₀cbc	bbc	bcb
Tynemouth	14·4	-6	W	5	bc	50	75	40	7	8	3	1	4-6	4-6	2200	1	4	bccr₀	cbc	bc	bc
St. Abbs Head	11·4	0	WNW	4	c/pr	49	92	47	7	5	4	-	7-8	9	3000	1	4	cbcr₀c	cbccprs	cbc	bcb
Leuchars	11·6	+6	WNW	3	c-bc/pr	53	75	44	9	8	6	8	4-6	7-8	2800	0	•	cprc	cpr₀c	cbc	bcbbc
Renfrew (Abbots I.)	13·8	+10	W	4	bc	50	75	41	8	8	4	-	4-6	4-6	2000	1	•	ccm₀prccr₀	cm₀cprcbc	cbc	bcbcc
Eskdalemuir	13·4	+2	W'N	4	c	47	75	38	8	8	-	-	9+	9+	1600	1	•	cprctcrm₀	bccpr	cbcb	bcb
Point of Ayre	16·7	-2	NW	5	bc/pr	49	85	46	8	8	-	-	4-6	4-6	2000	1	4	cprc	cRp	bcPR	pbc
Tiree	15·8	+10	NW	3	pr	45	92	43	6	3	-	-	10	10	1000	1	3	cr₀bcpr	bccpr	cprbc	bcpr₀
Stornoway	12·8	+16	W	5	c/pr	47	85	43	9	3	6	3	7-8	9+	2200	1	3	cpr₀bc	bccpr₀c	bcbbc	bcprjp
Dalwhinnie	12·0	+4	W	3	b-bc	45	65	32	8	8	-	-	2-3	2-3	2500	1	•	bcpro	opr₀bc	•	bccpr₀bc
Aberdeen	11·2	+8	NW	3	c-bc/pr	48	75	39	8	8	3	-	4-6	7-8	2500	1	[illegible]	c	cpRprh	cprbcc	bc
Wick	09·6	+8	WNW	5	c-bc	45	75	35	8	8	7	5	4-6	7-8	2500	0	•	cpr₀c	cbcc	cpr₀bc	cpr₀
Sumburgh	05·8	+6	W'N	4	bc/pr	45	85	41	8	3	6	-	4-6	4-6	1500	1	3	cpr₀bc	cpr₀bc	bcpr₀	cbr₀pr₀
Blacksod Point	21·7	-2	W	6	bc	52	75	45	7	8	-	2	2-3	4-6	2500	1	5	c	bc	d	c
Malin Head	16·7	+6	NW'W	4	bc	48	92	46	8	9	-	-	4-6	4-6	1500	2	3	pr	pr	pr	bc
Aldergrove	18·0	+2	W'N	4	c	50	75	44	8	8	7	-	7-8	9	2000	1	•	tlpRc	ccPrm₀	cbcc	cpr₀cb
Birr Castle	22·0	-2	W	4	c-bc	55	65	44	8	2	-	8	2-3	7-8	2500	1	•	c	c	•	c
Valentia Obey.	25·3	-6	W	3	c	53	85	49	7	5	-	-	9+	9+	800	1	4	bc	c	pr	[illegible]
Roches Point	23·5	-6	WNW	4	bc	56	75	49	8	2	3	-	1	4-6	2500	1	4	bc	bc	c	[illegible]

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 28th April

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate westerly to variable winds; fair at first but rain spreading from west; rather cold.
3 E. Midlands; 4 W. Midlands	Moderate west or northwest to light variable winds; fair apart from scattered showers; rather cold.
5 S.W. England; 6 South Wales	Light or moderate westerly or variable winds; cloudy with rain at times; 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	As 2-4
14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Fresh northnorthwest winds, becoming light variable later; bright intervals, occasional showers at first, dying out; cold or rather cold.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland	As 2-4
20 S.W. Ireland	As 5-6

GENERAL INFERENCE

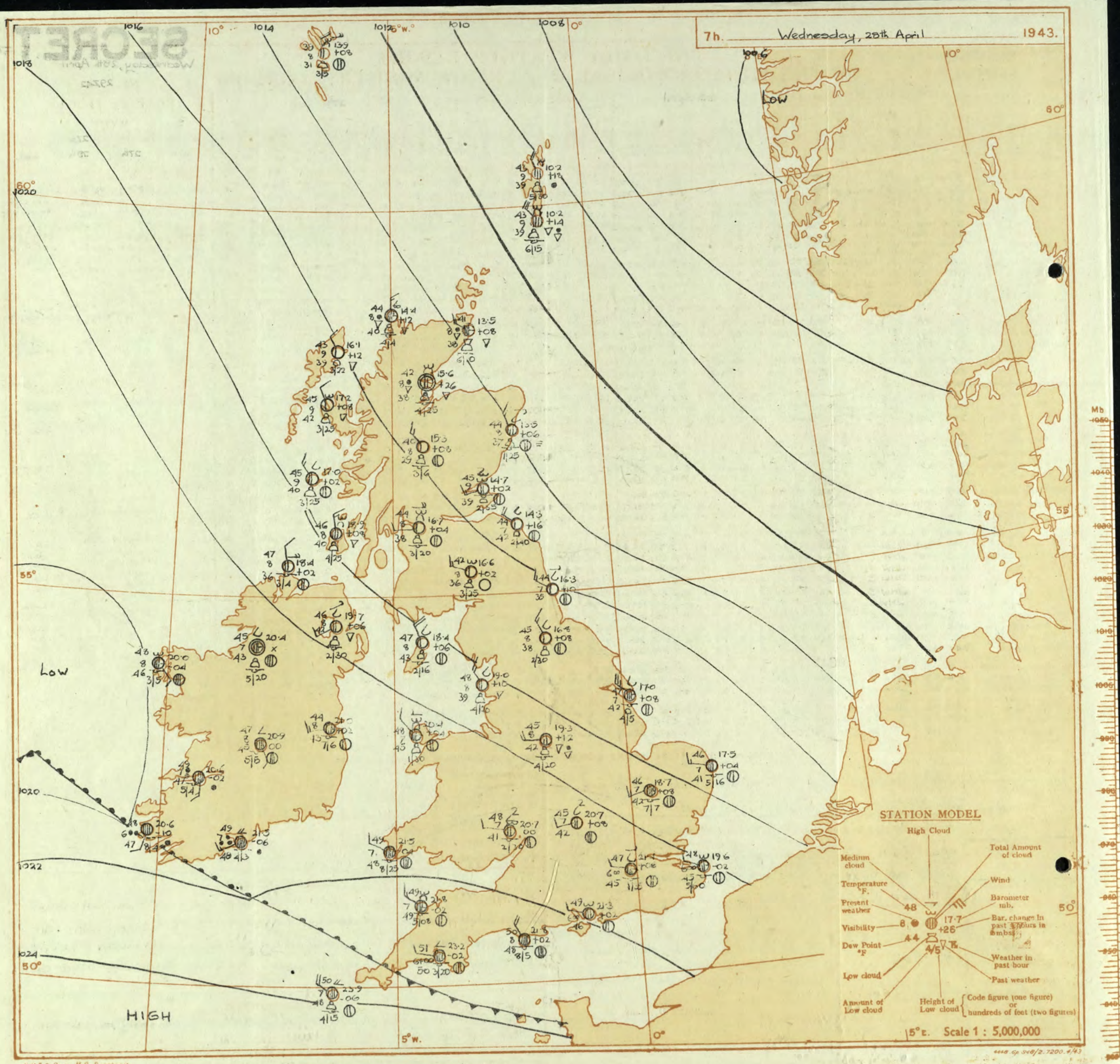
A ridge of high pressure west of Scotland is moving east and a small depression centred off Southwest Ireland is moving eastsoutheast. Rain will spread eastwards across southern districts, but elsewhere it will be fair apart from scattered showers. It will be generally rather cold.

FURTHER OUTLOOK

Becoming mainly fair in South; rain spreading from west across our northern 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).

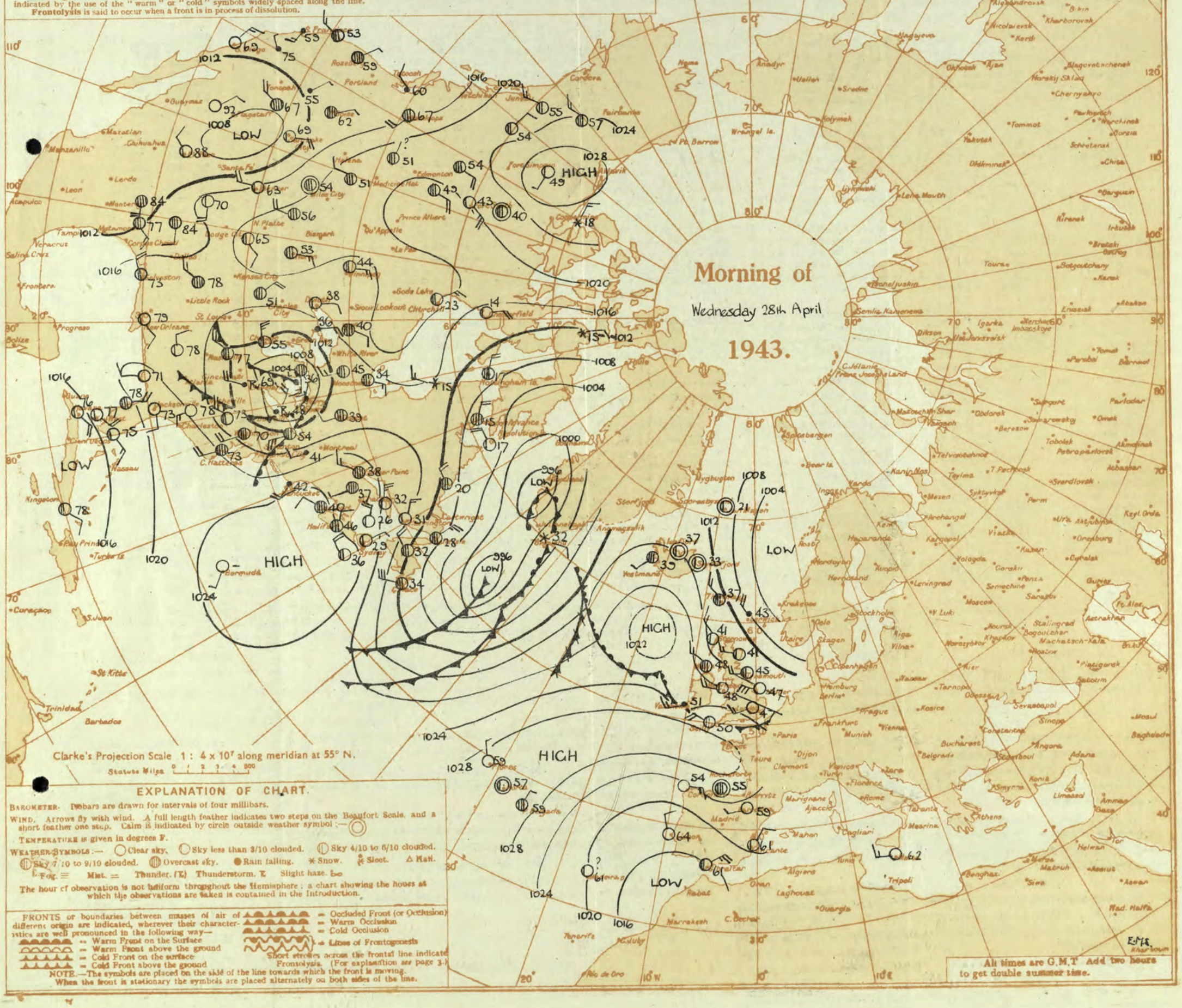
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.



BRITISH SECTION

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

Wednesday 28th April 1943
No. 29742

OBSERVATIONS at 1 hr. G.M.T. 28th April

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	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	21.5	-6	W'S	3	b	47	[illegible]	46	7	-	-	-	0	0	-
	S. Farnborough	226	21.3	-4	W'N	4	b	47	86	44	7	-	-	-	0	0	-
	Boscombe Down	417	22.1	-6	W'S	4	Z_0	45	97	44	6	-	-	-	0	0	-
	Thorney Island	10	21.8	-6	W'N	3	Z_0	47	92	45	6	-	-	-	0	0	-
	Lympne	283	20.5	-10	W	4	Z_0	45	85	42	6	-	-	-	0	0	-
	Manston	154	20.4	-4	W	2	Z_0	46	92	44	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19.0	-2	WNW	4	Z_0	47	92	45	6	-	-	-	0	0	-
	Gorleston	5	17.1	-6	W	3	b-bc	45	85	41	7	5	-	-	2-3	2-3	2500
	Mildenhall	15	18.6	-8	WSW	4	Z_0	44	85	41	6	-	-	-	0	0	-
	Cranwell	203	17.8	0	W	4	Z_0	44	92	42	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20.2	-2	W	2	Z_0	44	92	42	6	5	-	-	4-6	4-6	3400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22.6	-4	WNW	3	c	49	97	49	7	5	-	-	9+	9+ Tr	2500
	Bristol	209	22.0	-6	W	3	Z_0	46	97	46	6	-	4	-	0	Tr	-
	Portland Bill	32	23.2	-6	SW	4	bc	50	85	46	8	5	-	-	4-6	4-6	4000
	Plymouth	82	24.5	-10	W	3	c	51	92	48	7	5	1	-	4-6	9+	2500
	The Lizard	240	24.6	-10	WNW	5	b-bc	50	92	48	8	4	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	25.7	-6	WNW	4	bc	50	92	49	7	5	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	22.9	0	WNW	2	c-bc	50	85	46	7	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	20.9	-2	W'N	4	b	48	85	44	8	8	-	-	1	1	3000
	Chester (Sealand)	16	19.1	-2	WNW	4	c-bc	49	75	43	6	5	-	6	4-6	7-8	2500
8	Manchester	235	18.4	-2	W'S	3	Z_0	47	85	43	6	5	-	-	10	10	2400
10	Spurn Head	29	16.3	0	W'N	6	Z_0	47	85	42	6	-	-	-	0	0	-
	Catterick (Sc.)	192	16.0	-2	W	3	bc	43	85	38	7	5	-	-	4-6	4-6	7500
	Tynemouth	108	15.1	+6	W	5	bc	45	75	38	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	12.7	0	WNW	5	b-bc	46	97	44	7	5	-	-	2-3	2-3	4000
	Leuchars	36	14.2	+6	W	3	bc	41	97	39	8	5	4	8	Tr	4-6	4000
12	Renfrew (Abbots I.)	19	16.1	+6	SW	2	b-bc	42	85	38	7	8	-	-	2-3	2-3	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17.9	+2	NW	6	b-bc	47	92	45	8	8	-	-	2-3	2-3	2000
13A	Tiree	44	16.9	+2	SW	4	bc	44	85	41	8	8	-	-	4-6	4-6	2000
13B	Stornoway	15	14.4	0	NW	3	b-bc	41	92	39	8	2	-	-	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12.7	+4	WNW	3	b	41	85	38	9	5	4	-	Tr	1	3000
	Wick	114	12.3	+18	NW	1	bc/pr	41	85	39	8	8	-	-	4-6	4-6	1000
16	Sumburgh	19	08.1	+10	NNW	4	pr	43	85	40	8	2	-	-	4-6	4-6	2000
17	Blacksod Point	18	21.1	-6	W'S	2	b-bc	46	85	41	8	8	-	-	2-3	2-3	2500
18	Malin Head	84	18.0	+2	NW'N	3	c-bc	48	75	40	8	9	-	-	7-8	7-8	1500
	Aldergrove	268	19.1	+4	W'S	1	c	44	85	39	8	5	2	-	9	10	3200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23.4	-14	WSW	3	ir_0	51	92	49	7	5	-	-	10	10	1500
	Roches Point	22	23.5	-6	W	3	c-bc	50	92	48	8	5	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	20.7	+6	WNW	2	Z_0	48	85	44	6	5	-	-	7-8	7-8	2500	1	*	58	47	40	Tr	-	3.0
Croydon	21.4	+6	W'N	2	Z_0	47	92	45	6	5	4	1	Tr	9	3500	0	*	59	44	41	Tr	-	7.1
S. Farnborough	20.9	+2	WNW	3	c-bc	47	85	43	7	-	7	6	0	7-8	-	0	*	58	44	38	-	-	5.7
Boscombe Down	21.0	-4	WNW	3	c	48	85	44	7	-	5	-	0	9+	-	0	*	57	43	40	-	-	5.8
Thorney Island	21.3	+2	W'N	2	Z_0	49	85	46	6	-	3	-	0	7-8	-	1	*	58	43	38	Tr	-	*
Lympne	20.6	+4	WNW	3	Z_0	46	92	44	6	-	8	8	0	1	-	1	§	59	38	35	-	-	6.4
Manston	19.6	-2	WNW	2	Z_0	48	85	45	6	5	3	-	7-8	9	6000	1	*	60	44	40	-	3	5.2
Shoeburyness	20.3	+6	W	3	c	47	85	44	5	5	-	-	10	10	2500	1	*	61	45	40	Tr	6	6.3
Felixstowe	19.1	+6	W'S	4	c	49	75	42	7	5	3	-	2-3	9	5700	0	4	60	44	40	0.1	1	6
Gorleston	17.5	+4	W'N	3	c-bc	46	85	41	7	5	-	-	7-8	7-8	1600	1	3	58	42	39	Tr	1	3.1
Mildenhall	18.7	+8	WSW	3	c	46	85	42	7	5	-	-	9+	9+	5700	1	*	60	42	38	0.3	0.1	2.3
Cranwell	17.9	+8	W	4	Z_0	46	92	44	6	5	7	-	7-8	9	3000	1	*	60	43	40	2	0.1	5.2
Birmingham	20.1	+2	W	3	c-bc/pr	46	85	42	5	8	3	-	4-6	7-8	1500	1	*	57	44	39	0.1	0.2	3.7
Upper Heyford	20.7	+8	W'S	2	bc	45	92	42	7	-	4	6	0	4-6	-	0	*	57	42	27	Tr	-	*
Ross-on-Wye	20.7	0	W	2	bc	48	75	41	7	5	7	6	1	4-6	3000	1	*	57	45	37	4	-	3.3
Hartland Point	21.8	-2	WNW	3	c	49	97	49	7	5	6	-	7-8	8	800	0	4	53	48	47	-	-	2.4
Bristol	22.1	+6	W	2	Z_0	48	85	43	6	5	4	-	9	9+	6100	1	*	57	45	39	Tr	Tr	4.1
Portland Bill	21.8	+2	NW	4	b	50	92	48	8	5	-	-	10	10	2500	1	4	53	49	*	-	-	*
Plymouth	23.2	-2	W	2	Z_0	51	97	50	6	5	1	-	2-3	10	2000	0	1	56	49	44	-	-	3.0
The Lizard	23.2	-6	WNW	4	c-bc	50	92	48	8	8	3	-	7-8	7-8	2000	0	4	56	49	*	-	-	4.9
Scilly (St. Mary's)	23.9	-6	WNW	4	c	50	92	48	7	8	2	-	4-6	10	1500	0	3	57	49	*	-	-	5.5
Guernsey																							
Pembroke	21.5	-4	WNW	2	c	49	92	48	7	5	-	-	10	10	2500	0	3	52	48	*	-	Tr	0.0
Holyhead (Valley)	20.4	+4	NW'N	2	c	48	85	45	7	2	6	5	Tr	9	3000	1	3	55	45	43	0.3	0.2	*
Chester (Sealand)	19.4	+6	WNW	3	c/pr	48	85	43	7	8	3	-	7-8	9+	2000	1	*	60	47	43	3	Tr	5.5
Manchester	18.9	+6	W'S	3	c	48	85	43	7	2	6	5	Tr	9	3000	1	*	55	45	43	1	0.2	*
Spurn Head	17.0	+8	WNW	5	c	47	85	42	7	7	4	-	4-6	9	2500	0	3	65	45	*	Tr	-	0.6
Catterick (Sc.)	16.8	+8	NW	3	b-bc	45	75	38	8	2	4	-	1	2-3	3000	1	*	57	41	34	1	-	4.0
Tynemouth	16.3	+10	WNW	3	b-bc	44	76	35	7	-	4	1	0	2-3	-	0	2	56	41	37	1	-	*
St. Abbs Head	14.3	+16	WNW	4	b-bc	44	97	42	7	1	4	-	1	2-3	4000	0	4	52	42	*	0.3	Tr	*
Leuchars	14.7	+2	WSW	3	bc	45	85	39	9	7	3	9	1	4-6	3500	0	*	54	39	35	0.1	-	4.3
Renfrew (Abbots I.)	16.7	+4	W'S	2	b-bc	44	85	38	8	8	6	2	2-3	2-3	2000	1	*	52	38	25	4	0.6	2.5
Eskdalemuir	16.6	+2	WNW	3	b-bc	42	75	36	8	2	3	-	2-3	2-3	2500	1	*	49	36	28	6	-	2.9
Point of Ayre	18.4	+6	NW	4	bc	47	85	43	8	8	4	-	1	4-6	1600	1	4	55	45	*	3	2	3.1
Tiree	17.0	+2	NW'N	3	bc	45	85	40	9	2	4	-	2-3	4-6	2500	0	3	52	41	39	3	2	5.4
Stornoway	16.1	+12	NW	2	b-bc	43	85	39	9	1	-	-	2-3	2-3	2200	1	2	51	38	35	2	2	5.8
Dalwhinnie	15.3	+8	NW	3	b-bc	40	65	29	8	8	-	-	2-3	2-3	4000	1	*	48	37	33	1	Tr	3.0
Aberdeen †	13.5	+6	NW'N	3	c-bc/pr	44	75	37	8	8	4	9	Tr	7-8	2500	.	2	55	39	35	2	0.1	2.7
Wick	13.5	+8	WNW	3	pr	41	85	38	8	9	-	-	9	9	1000	1	*	52	37	35	0.6	6	*
Sumburgh	10.2	+14	NW'N	6	c/pr	43	85	39	9	8	6	-	9	10	1500	1	3	48	41	34	2	0.6	10.5
Blacksod Point	20.0	+4	SE	1	c	48	92	46	8	5	3	-	2-3	9	2500	1	2	56	41	*		-	*
Malin Head	18.4	+2	NNW	2	bc	47	65	36	8	5	-	2	2-3	4-6	1500	2	3	51	44	*	8	1	2.1
Aldergrove	19.7	+6	SW	2	bc	46	85	42	8	8	4	4	1	4-6	3000	1	*	52	43	38	4	0.5	3.1
Birr Castle	20.9	0	SSE	1	c	47	92	45	8	5	1	-	7-8	10	2500	1	*	58	43	28	-	-	8.7
Valentia Obsy.	20.6	-10	SSW	2	r_0r_0	48	97	47	6	6	-	-	10	10	1500	1	2	55	48	47	-	5	2.7
Roches Point	21.5	-6	WSW	3	r	49	97	48	7	6	2	-	4-6	10	800	1	3	59	49	*	-	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 27th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 28th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	36	02754	25685	36	25844	60585	5-	01753	26383	36	81744	28385
115				37	10844	61586	87	81844	28587	87	81844	32387
203				8-	10848	24418						
206	86	61854	24387	86	81854	57584	3-	81754	28184	86	81854	00084
210	2-	25954	26485	20	10853	58584	46	01853	24314	8-	81857	24387
219	86	01853	27484	86	25954	26585	2-	01854	27584	23	01353	30283
230	87	02957	24327	3-	02853	24383	3-	25853	24183	30	10953	26383
245	84	81667	22327	85	25965	26287				54	01961	21114
260	5-	02765	22425	50	01763	20424	--	05661	24311	50	05662	22512
278	97	81737	59488	86	02745	59586	3-	81746	25486	84	01854	26314
279	62	25745	24588	36	25854	24484	8-	81765	24315	80	01865	24383
285	27	81745	24587									
288				86	01864	22324	57	02763	23216	24	01861	25312
576	62	81645	55427	26	02744	57325	86	0274	28288	84	02755	00026
301	53	05665	23456	57	02854	24485	5-	02764	26414	24	01854	28384
321	8-	05667	22367	26	01753	25484	50	05654	25385	00	05690	24380
2.9	87	02744	22465				50	01745	24315	50	01753	24313
292	24	25856	22487	26	02844	26485	3-	02875	24215	20	01861	26211
310										--	01624	26414
614	26	81756	55427	86	05664	22325	40	05663	24324	8-	05557	22227

III	13h. G.M.T. 27th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 28th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	57	02764	22527	57	02774	26326	86	02764	25325	74	05654	28216
334	--	02646	28517							--	01642	22213
340	9-	82747	24467	3-	01744	26295	00	05690	24214	77	05665	28216
136	80	02764	22517	8-	81757	25588	00	05690	24480	8-	05644	23387
330	13	02753	24516	13	01752	28413	.			13	01753	28415
350	23	02754	22427	93	81654	26385	5-	05664	20314	50	05672	23213
368	5-	02735	23428	8-	05654	24324						
379				70	81645	22485	00	05590	22210	03	05690	24314
390	20	05664	22424	96	22745	24567	00	05590	22201	03	05690	24317
382	76	02856	23527	76	02864	24424	04	01790	23311	5-	05675	23225
438	84	01753	22513	50	14645	23615	00	00690	22510	04	01690	26413
430	5-	02744	21328	8-	02654	21325	50	05641	24401	07	05690	21224
409	5-	02735	23528	5-	02736	25427	5-	05638	25428	57	22735	26367

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 28th
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	cbcc	cpr0cy	cybcm0
Croydon	c		bcbcm0
Greenwich	c	c	bcbc
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bcp	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h
Max. T[illegible] 0.27 [illegible] 27th
Min. Time <0.1 16/24h 27th

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	58	47	40	Tr	.	3.0	*	*
Croydon	59	44	41	Tr	-	7.1	*	*
Greenwich	58	45	36	-	-	3.9	65	65
Westminster	59	46	39	-	-	*	55	40
Regents Park	58	45	40	-	-	*	63	65
Camden Square	59	46	40	Tr	-	*	*	93
Kensington	59	45	39	-	-	*	56	61
Hampstead	57	42	39	Tr	-	*	*	70

SECRET

Page 1 BRITISH SECTION

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

Thursday 29th April 1943

No. 29743

OBSERVATIONS at 13h. G.M.T. 28th April

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)	19·4	-6	W'N	3	c	56	45	37	7	8	7	-	7-8	9+	1500
	Croydon	20·2	-6	WNW	3	c	57	55	40	7	2	6	2	4-6	9+	3000
	S. Farnborough	20·0	-4	W	4	c	56	55	39	7	7	7	-	4-6	10	2000
	Boscombe Down	21·0	-4	W	4	c	53	55	39	7	5	7	-	4-6	10	2000
	Thorney Island	20·5	-6	W'S	3	c	58	65	46	7	5	1	-	7-8	10	5700
	Lympne	20·0	-2	SW	2	zo	53	75	45	6	8	-	-	7-8	10	3000
	Manston	19·2	-10	NWW	2	zo	56	65	43	6	8	-	-	9+	9+	3500
2	Shoeburyness	19·0	-4	WNW	3	c-bc	56	65	43	7	4	-	-	7-8	7-8	4000
	Felixstowe	18·3	-4	WNW	4	c/pr	54	65	43	7	8	-	5	9	9+	2800
	Gorleston	17·9	0	N'E	4	c-bc	51	65	38	7	8	-	-	7-8	7-8	1800
	Mildenhall	18·1	-6	WNW	4	c-bc	59	45	40	8	2	-	1	7-8	7-8	2500
	Cranwell	17·5	-6	WNW	3	zo	55	45	37	6	2	-	-	4-6	4-6	4000
3	Birmingham	19·5	-2	WNW	4	c	53	55	38	7	8	7	-	9	9+	2500
	Upper Heyford	19·0	-10	W'S	3	c	55	55	38	8	7	6	-	4-6	9+	2500
4	Ross-on-Wye	20·1	-4	W'S	3	c	54	65	41	8	8	3	-	7-8	9+	3000
5	Hartland Point	21·5	-4	WNW	2	iro	51	92	48	7	8	2	-	7-8	10	800
	Bristol	22·2	+6	WSW	3	zo	53	65	43	6	1	7	-	4-6	10	2500
	Portland Bill	21·8	-4	SW	4	rr	52	92	50	7	5	-	-	10	10	2500
	Plymouth	22·9	-2	W	2	iro	52	92	49	7	5	7	-	7-8	9+	1500
	The Lizard	22·8	-6	W	3	c	55	85	49	8	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	23·0	-6	SW'W	4	c	54	85	48	8	8	7	-	9	9+	1500
	Guernsey															
6	Pembroke	21·2	-6	W	3	iro	49	85	46	8	8	-	-	7-8	10	2500
7	Holyhead (Valley)	20·6	0	W'N	2	c-bc	53	75	43	8	2	3	-	2-3	7-8	2500
	Chester (Sealand)	19·3	-2	WNW	4	c-bc	53	65	40	8	2	3	-	4-6	7-8	2500
8	Manchester	19·2	0	NW'W	4	c	53	55	35	8	2	6	1	7-8	9	2500
10	Spurn Head	17·4	-2	E'N	3	c-bc	51	65	37	7	2	6	2	4-6	7-8	2500
	Catterick (Sc)	16·0	-10	WNW	3	c-bc	54	45	32	9	7	3	-	4-6	7-8	3000
	Tynemouth	16·9	+4	WN'W	2	c-bc	47	75	40	7	2	-	-	7-8	7-8	2100
11	St. Abbs Head	15·6	+6	NW	2	bc	50	75	43	8	2	4	-	2-3	4-6	4000
	Leuchars	16·1	+6	WNW	4	c-bc	53	45	32	9	8	-	-	7-8	7-8	2500
12	Renfrew (Abbots I.)	17·0	-2	WNW	3	bc	54	55	38	9	2	6	1	4-6	4-6	2500
	Eskdalemuir	16·8	0	WNW	3	c-bc	51	55	36	8	8	3	-	7-8	7-8	2100
	Point of Ayre	19·3	0	NW	4	c-bc	55	65	42	8	2	6	4	2-3	7-8	3000
13A	Tiree	19·2	+2	NW	3	b-bc	49	75	42	9	1	-	-	2-3	2-3	2200
13B	Stornoway	18·2	+8	NW	3	c-bc	49	65	39	9	8	6	-	4-6	7-8	2500
15	Dalwhinnie	17·4	+16	NNW	3	c	47	55	33	8	5	-	1	7-8	9	2500
	Aberdeen	12·6	+8	NNW	4	bc/pr	49	65	36	8	2	4	-	4-6	4-6	2000
	Wick	16·2	+12	NNW	4	c-bc	46	75	38	8	8	-	-	7-8	7-9	2500
16	Sumburgh	13·4	+18	NW'N	5	c-bc/pr	46	75	41	8	3	6	-	7-8	7-8	2000
17	Blacksod Point	19·4	-6	SSE	1	c	54	75	47	8	8	3	-	7-8	9	2500
18	Malin Head	19·1	+2	N'W	2	b-bc	49	65	38	8	8	-	-	2-3	2-3	2500
	Aldergrove	19·5	-2	WNW	3	bc	52	55	35	9	8	-	-	4-6	4-6	4000
19	Birr Castle	19·7	-10	SSE	1	c	54	97	53	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	18·2	-14	S'E	4	ddo	52	97	51	6	5	-	-	10	10	800
	Roches Point	20·3	-10	WSW	3	c/r	52	92	50	8	6	2	-	4-6	9+	500

OBSERVATIONS at 18h. G.M.T. 28th April — 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. 28th (39)	Weather 13h.–18h. 28th (40)	Weather 18h. 28th to 1h. 29th (41)	Weather 1h.–7h. 29th (42)
London (Kew)	19·2	0	NNE	3	zo	51	65	40	6	8	-	-	9+	9+	1500	1	•	bcmow c	cyczo	cbc bx	bxbmow
Croydon	19·6	-6	NNE	3	zo	55	55	40	6	9	-	-	9+	9+	3500	0	•	ccy	cybczo	czymbm	bmwbbm
S. Farnborough	19·8	-6	WNW	3	c-bc	55	55	37	8	4	7	8	4-6	7-8	3000	0	•	bccy	cyirocbcy	bcycprobcm	bcbmm,fm
Boscombe Down	19·9	-2	W'N	2	c	52	75	44	7	7	3	-	4-6	9+	4000	0	•	ccy	cyc	cbcbmow	pFcf
Thorney Island	19·5	-2	SW	4	c	52	85	47	7	4	3	-	1	9+	5700	0	•	cmowc	c	bmow	bmcmow
Lympne	18·9	-6	WNW	2	cbc/pr	50	85	44	7	4	-	-	7-8	7-8	4000	1	§	bmowccz	Czompr	cmprbcm	bm
Manston	17·9	+4	WSW	2	zo	53	75	44	6	2	6	-	2-3	2-3	4000	1	•	czo	bc	bcmobmo	bmo
Shoeburyness	18·5	-4	WSW	2	zo	54	65	43	6	-	3	-	0	4-6	-	0	•	cmo bcc	cbczo	bczrrc	bcmb
Felixstowe	17·8	-8	NE	3	bc	52	75	44	7	8	7	-	2-3	4-6	4000	0	3	cprc	ccybc	bcmbm	bmo
Gorleston	17·5	-2	SE	2	bc	49	65	37	7	2	-	-	4-6	4-6	2000	0	2	c	cprobc	bcbl	blbccz
Mildenhall	17·5	-2	WNW	3	bc	54	55	38	8	2	-	-	4-6	4-6	3000	0	•	cprccy	bcy	b	bbmx
Cranwell	17·6	+2	NW'N	4	bc	54	55	37	7	2	6	-	2-3	4-6	3500	0	•	cbcmbczy	bczo bcy	cmbcm	bcmbmbm
Birmingham	19·2	0	NW	3	zo	50	75	42	6	5	7	-	9	9+	1500	1	•	cpro bcc	cz	cbc	bcz
Upper Heyford	18·6	+2	NW	2	c-bc	52	65	41	8	8	6	9	4-6	7-8	2500	0	•	bcccy	cprobcy	b	bbcm
Ross-on-Wye	19·1	-4	W	2	c	52	75	45	8	8	6	-	9	9+	3000	1	•	ccpoc	cpocpc	cbcb	bmbf
Hartland Point	20·5	-6	W	3	iro	49	92	47	8	8	6	-	7-8	10	1200	1	3	iroc	crr iroc	cirmoc	ciroc
Bristol	20·1	-6	W	3	zo	51	75	44	6	5	7	-	4-6	9	6800	1	•	cmoz	czo ciroc	czmobmo	bbcmfgoifmo
Portland Bill	21·0	+6	W	3	b-bc	50	92	48	8	5	-	-	10	10	2500	1	4	or	c	cbc	cc
Plymouth	21·6	-6	W	3	c	51	92	48	8	5	7	-	7-8	9+	1500	1	2	cirmo	crorombc	crromid	ccidmo
The Lizard	21·7	-4	W'S	4	c	51	92	48	8	5	2	-	7-8	9+	1500	0	3	c	c	cprc	cprdd
Scilly (St. Mary's)	21·4	-8	WSW	3	c	53	85	48	8	8	7	-	4-6	9	1500	0	3	c	ciroc	ciro	cddo
Guernsey																					
Pembroke	20·6	0	W'S	2	c	50	85	47	8	8	-	-	10	10	2500	1	3	cr	c	cbw	cdodm
Holyhead (Valley)	20·2	-2	W	2	b-bc	51	85	45	8	2	3	-	Tr	2-3	2500	1	2	c	cbcc	bfgmow	bcmow
Chester (Sealand)	19·4	+2	N	3	b	51	65	39	8	2	-	-	1	1	2500	0	•	cbc	cy	bymo	b,cm
Manchester	18·7	+2	NW'W	4	b-bc	51	55	35	8	1	-	-	2-3	2-3	4000	0	•	cbcc	cbcy	bcybmo	cmcmow
Spurn Head	18·1	+6	NE'E	3	iro	48	75	42	7	7	-	-	10	10	3200	1	2	c	ciro	bc	bczo
Catterick (Sc)	18·1	+10	S	2	c/pr	47	85	41	8	5	7	-	4-6	9	3000	1	•	bcycy	cphopro	cmobmo	cmobcy
Tynemouth	18·1	+6	N	2	bc	48	75	39	7	2	3	-	4-6	4-6	2100	1	2	bcc phr	cpc	bcb	bbcff
St. Abbs Head	17·5	+6	NW	1	c-bc	44	97	44	8	1	6	-	4-6	7-8	3500	0	2	bc	bcprbc	bcc	cbbczo
Leuchars	17·4	+10	SE	2	bc	49	65	39	8	4	3	-	2-3	4-6	4000	0	•	cyccy	cycprobc	bccb	bbcc
Renfrew (Abbots I.)	17·4	+2	WNW	3	bc	55	55	37	9	8	4	-	4-6	4-6	2000	1	•	blcbz	bccbcy	bcybcb	bcwbcm
Eskdalemuir	17·9	+10	-	0	c-bc	48	65	35	8	8	-	-	7-8	7-8	1600	1	•	bbcy	bcycpro	cbc	bcc
Point of Ayre	19·2	0	WNW	3	b	52	75	43	8	4	-	-	Tr	Tr	3000	0	3	bcc	cbc	bw	bbccx
Tiree	19·5	-2	NW'N	2	b-bc	49	75	40	9	1	-	-	2-3	2-3	2200	0	2	bcpro	bc	bcb	bcw
Stornoway	19·3	+10	NNW	2	bc	48	65	38	9	1	-	1	4-6	4-6	2800	1	2	bcprcbc	bccbc	bbo	bcbbcxc
Dalwhinnie	18·0	+2	NW	2	cbc	45	55	31	8	8	3	-	4-6	7-8	4000	1	•	bcprscy	cy		cb
Aberdeen	17·5	+6	N	3	b-bc/pr	48	55	35	8	8	-	-	2-3	2-3	3000	1	2	bccpro	bcprobcy	bcybx	cxbc
Wick	17·2	+4	NW	4	c	45	75	38	8	8	7	-	7-8	9	2500	1	•	cbc	cbcc	bccpro	cprobcw
Sumburgh	14·9	+10	NW	5	pr	44	85	39	9	2	6	-	4-6	7-8	2000	1	3	bcproc	cbc	bcpro bc	cprobcb
Blacksod Point	17·8	-6	-	0	c	56	75	48	8	8	-	-	9+	9+	2500	0	1	c	c	b	d
Malin Head	19·2	-2	N'E	3	b-bc	48	65	37	8	2	-	-	2-3	2-3	2500	2	3	pr	bc	b	bc
Aldergrove	19·5	+4	NW'N	1	b	53	55	39	9	1	-	-	1	1	4000	0	•	bbccy	bcyby	byb	bbmobcc
Birr Castle	18·7	-4	SSE	1	c	55	92	53	8	5	2	-	7-8	9+	2500	1	•	c	c	•	d
Valentia Obsy.	16·8	-4	S'E	3	o	54	97	53	8	5	-	-	10	10	800	1	2	r	d	d	r
Roches Point	18·7	-6	SSW	4	dd	51	97	50	5	5	-	-	10	10	450	1	4	r	d	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th April 1943

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Light west to southwest winds; fine at first, but cloud increasing; rather cold.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate southwesterly winds; mainly dull with slight local drizzle, much hill fog and some coast fog; rather cold.
9 N. Midlands 10 N.E. England 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland	Moderate southerly winds veering southwest; fair at first, cloudy with occasional rain later; rather cold.
15 N.E. Scotland 16 Orkneys and Shetlands	Light variable winds becoming moderate south to southwest; fair at first, cloudy, with occasional rain later; rather cold.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 5-8

GENERAL INFERENCE

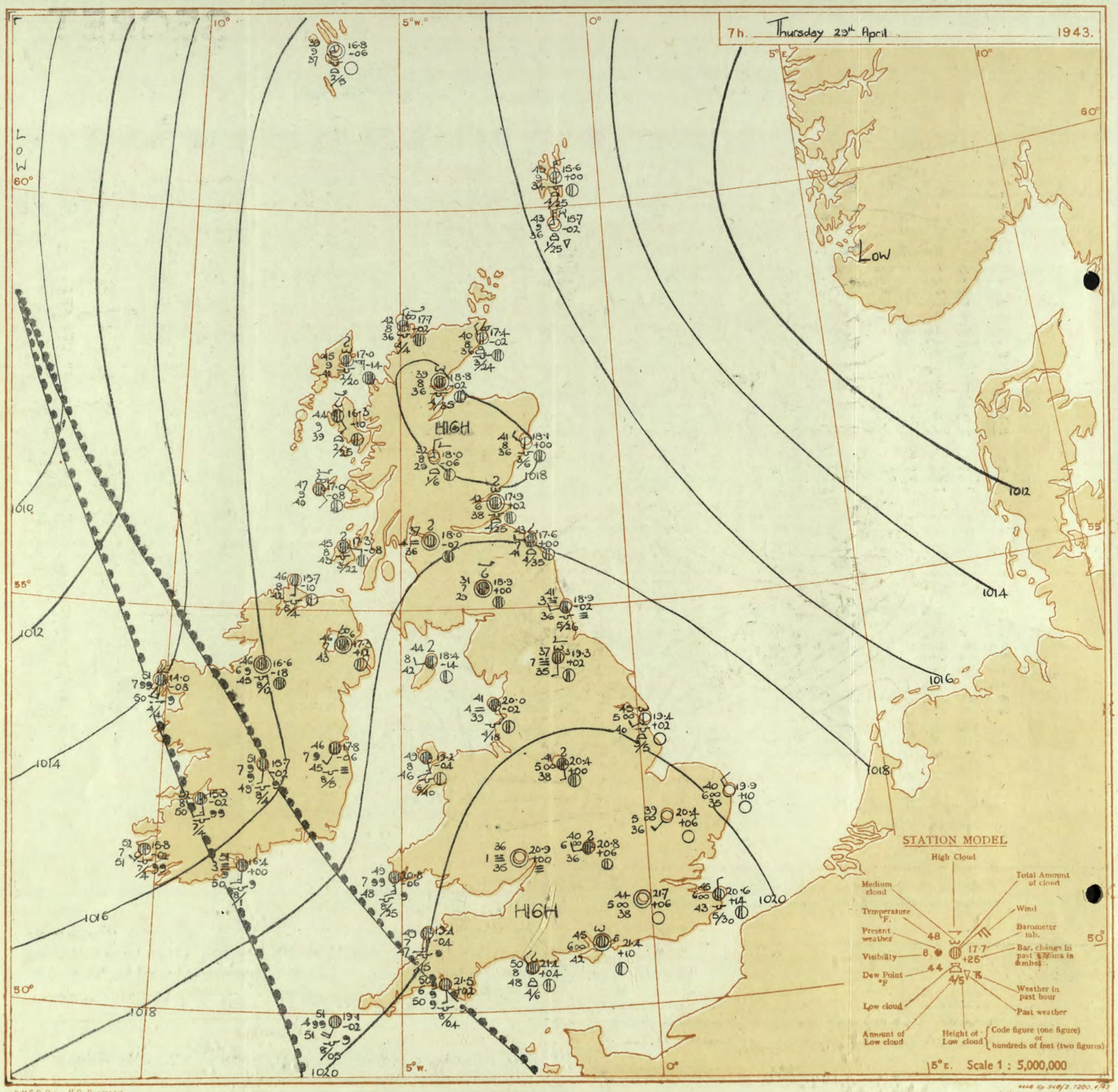
A ridge of high pressure over Eastern Britain is moving east. A trough of low pressure extending from a depression off Southeast Greenland to Ireland and Southwest England is moving slowly east northeast. Weather will be fine at first in Eastern Britain but will become generally cloudy with some rain or drizzle in western and northern districts. It will be generally rather cold.

FURTHER OUTLOOK

Brighter; showery conditions spreading southeast across the British Isles.

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

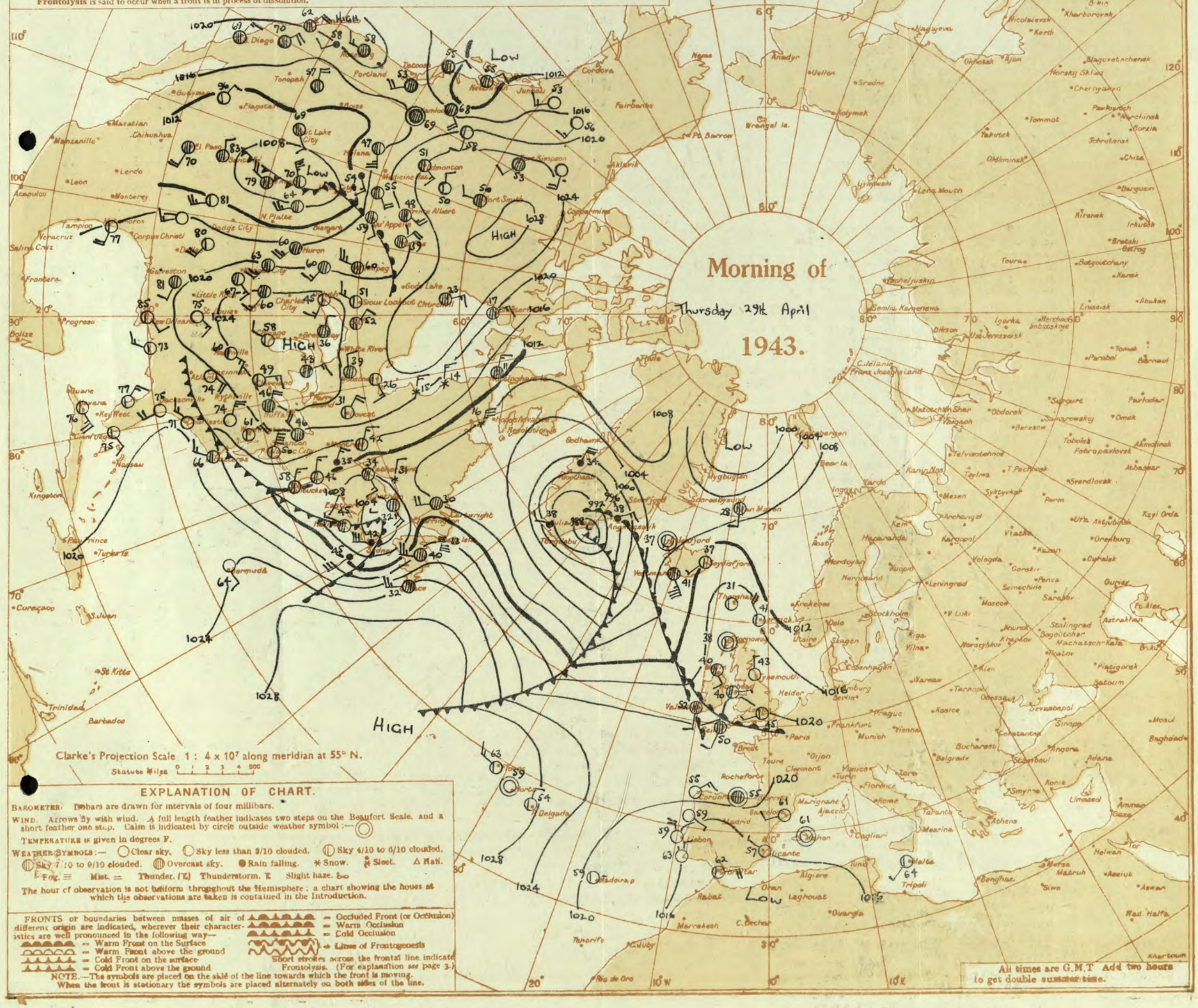
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday, 29th April 1943

No. 29743

OBSERVATIONS at 1 hr. G.M.T. 29th April

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	20·6	+2	WSW	1	zo	45	85	41	5	5	–	–	1	1	4000
	S. Farnborough	226	20·4	+2	WNW	2	c-bc	45	92	43	6	5	–	–	7-8	7-8	3500
	Boscombe Down	417	20·6	+2	NNW	1	zo	42	97	42	6	–	–	–	0	0	–
	Thorney Island	10	20·1	0	–	0	zo	44	92	42	6	–	3	–	0	Tr	–
	Lympne	283	19·6	+2	WNW	4	zo	42	97	40	5	–	–	–	0	0	–
	Manston	154	18·9	0	WNW	3	zo	45	85	42	6	5	–	–	Tr	Tr	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·9	+2	W'N	3	zo	45	85	42	6	–	–	–	0	0	–
	Gorleston	5	18·3	+2	NW'N	1	b-bc	45	75	36	7	5	–	–	2-3	2-3	2500
	Mildenhall	15	19·0	+2	NW'W	3	b	36	97	35	7	–	–	–	0	0	–
	Cranwell	203	19·5	-2	W'N	2	zo	43	92	40	6	5	–	–	2-3	2-3	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	+2	NW'N	2	b	36	92	34	7	–	4	–	0	1	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·2	-4	W	3	c-bc	49	92	47	7	5	4	–	4-6	7-8	1500
	Bristol	209	20·9	-2	SW	1	fg	43	97	42	5	–	–	–	0	0	–
	Portland Bill	32	21·0	0	W	3	bc	50	92	48	7	5	–	–	4-6	4-6	4000
	Plymouth	82	21·9	0	SW'W	2	c/d	49	97	48	7	5	7	–	7-8	9+	2500
	The Lizard	240	21·0	-2	W'S	3	o	50	92	49	8	5	–	–	10	10	1000
	Scilly (St. Mary's)	163	20·7	-6	SSW	2	c/r	50	97	49	6	5	2	–	7-8	10	1200
	Guernsey	175															
6	Pembroke	142	20·3	-4	SSW	2	bc	49	97	48	7	2	–	–	4-6	4-6	2500
7	Holyhead (Valley)	32	20·2	0	E	1	zo	40	97	40	6	5	–	–	4-6	4-6	600
	Chester (Sealand)	16	20·1	-2	–	0	b	37	85	34	6	–	–	–	0	0	–
8	Manchester	235	20·1	+2	SSW	2	zo	39	92	36	6	–	–	–	0	0	–
10	Spurn Head	29	18·8	0	NW'N	4	b-bc	44	85	39	7	7	–	–	2-3	2-3	2500
	Catterick (Sc)	192	19·3	+2	–	0	zo	38	92	36	5	–	–	–	0	0	–
	Tynemouth	108	18·8	+2	N	1	b	43	75	34	7	–	–	–	0	0	–
11	St. Abbs Head	280	18·0	-2	SW	1	c-bc	43	92	40	7	5	–	–	7-8	7-8	2500
	Leuchars	36	18·2	-2	–	0	b	42	92	40	8	5	–	–	1	1	4000
12	Renfrew (Abbots I.)	19	18·7	-2	WSW	2	b	38	85	34	7	–	–	–	0	0	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·6	0	W'N	2	b	48	65	38	8	*	*	*	0	0	–
13A	Tiree	44	19·1	-8	–	0	b	38	97	38	8	–	–	1	0	1	–
13B	Stornoway	15	19·3	-6	–	0	b-bc	38	92	37	7	5	–	–	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·6	+2	WNW	2	b	37	92	35	8	5	–	–	1	1	3500
	Wick	114	17·6	0	NW	3	pr	39	85	34	7	8	–	–	7-8	7-8	2000
16	Sumburgh	19	15·9	+2	NNW	4	bc/pr	40	85	37	8	2	–	–	4-6	4-6	2000
17	Blacksod Point	18	16·2	-14	–	0	c-bc	53	85	48	8	8	–	–	7-8	7-8	2500
18	Malin Head	84	18·2	-10	SSE	2	bc	40	85	36	8	5	–	–	4-6	4-6	1500
	Aldergrove	268	19·8	-6	–	0	b	37	85	34	7	–	–	–	0	0	–
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·6	-8	S	2	c-bc/d	52	97	51	7	5	–	–	7-8	7-8	800
	Roches Point	22	18·1	-6	S	4	df	50	97	49	3	5	–	–	10	10	220

OBSERVATIONS at 7 hr. G.M.T. 29th April

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)	21·3	+12	–	0	zo	45	85	39	5	–	–	–	0	0	–	1	*
Croydon	21·7	+6	–	0	zo	44	85	38	5	–	–	–	0	0	–	0	*
S. Farnborough	21·7	+8	W'N	2	zo	41	92	39	6	–	–	–	0	0	–	1	*
Boscombe Down	21·5	+6	–	0	c-bcf-	40	97	40	3	5	3	6	4-6	7-8	300	0	*
Thorney Island	21·4	+10	–	0	zo	45	85	42	6	–	3	–	0	7-8	–	1	*
Lympne	21·1	+10	NW	2	zo	43	92	40	6	–	–	–	0	0	–	1	§3
Manston	20·6	+14	N'W	1	zo	45	92	43	6	5	–	–	7-8	7-8	3000	0	*
Shoeburyness	21·2	+14	NW	2	zo	44	85	39	6	–	–	–	0	0	–	1	*
Felixstowe	20·2	+6	NW	2	zo	42	85	38	6	–	–	–	0	0	–	0	2
Gorleston	19·9	+10	NW'W	2	zo	40	85	35	6	–	–	–	0	0	–	0	2
Mildenhall	20·4	+6	SW'S	1	zo	39	92	36	5	–	–	–	0	0	–	0	*
Cranwell	19·8	0	W	2	zo	42	92	39	5	–	–	5	0	2-3	–	0	*
Birmingham	20·6	0	SW	1	zo	45	85	41	5	–	–	6	0	7-8	–	0	*
Upper Heyford	20·8	+6	WSW	2	zo	40	85	36	6	–	–	6	0	9	–	0	*
Ross-on-Wye	20·9	0	–	0	bF	36	97	35	1	–	–	–	0	0	–	1	*
Hartland Point	19·4	-4	S	3	c	49	92	47	7	5	–	–	9	9	1500	1	3
Bristol	21·0	-4	–	0	fg	43	97	43	6	5	–	–	9+	9+	5800	0	*
Portland Bill	21·4	+4	NW	2	c	50	92	48	8	2	4	–	4-6	10	4000	1	3
Plymouth	21·5	+2	SSE	1	iD	50	97	50	6	5	–	–	10	10	400	1	2
The Lizard	19·9	-8	S	3	zg	50	97	50	6	5	–	–	10	10	800	1	3
Scilly (St. Mary's)	19·1	-2	SSW	4	dd	51	97	51	4	5	–	–	10	10	500	1	4
Guernsey																	
Pembroke	10·8	-6	S	3	dd	49	97	49	7	5	–	–	10	10	2500	1	2
Holyhead (Valley)	19·2	-4	S'E	3	c	49	92	46	8	5	–	–	9	9	4000	1	2
Chester (Sealand)	19·8	-2	–	0	m	39	92	37	4	–	–	6	0	9	–	0	*
Manchester	20·0	-2	S	1	m	41	92	39	4	–	2	–	0	10	–	1	*
Spurn Head	19·4	+2	SW'W	2	zo	45	85	40	5	7	3	–	2-3	2-3	2500	0	1
Catterick (Sc)	19·3	+2	S	1	fg	37	92	35	7	–	3	5	0	7-8	–	1	*
Tynemouth	18·9	-2	WSW	2	c-bcf	41	85	36	3	5	–	–	7-8	7-8	2600	1	
St. Abbs Head	17·6	0	W	1	c-bc	43	92	41	7	1	4	–	4-6	7-8	3500	0	
Leuchars	17·9	+2	–	0	c-bc	42	85	38	6	7	3	6	4-6	7-8	2500	0	*
Renfrew (Abbots I.)	18·0	-2	–	0	m	37	92	36	4	–	–	6	0	7-8	–	1	*
Eskdalemuir	18·9	0	–	0	c	31	92	29	7	–	4	8	0	9	–	0	*
Point of Ayre	18·4	-14	W'S	2	c	44	92	42	8	5	–	6	Tr	9+	800	0	3
Tiree	17·0	-8	SE	2	c	47	75	40	9	–	7	7	0	9+	–	0	2
Stornoway	17·0	-14	E	3	c-bc	45	85	41	9	5	3	6	1	7-8	2000	1	2
Dalwhinnie	18·0	-6	N	1	b	32	85	29	8	1	–	5	Tr	1	4000	1	*
Aberdeen †	18·1	0	WNW	1	b-bc	41	85	36	8	5	–	–	2-3	2-3	4000	1	2
Wick	17·4	-2	NW	1	bc	40	85	36	8	8	7	–	2-3	4-6	2400	1	*
Sumburgh	15·7	-2	N'W	3	b	43	75	36	9	2	6	–	Tr	1	2500	0	2
Blacksod Point	14·0	-8	S'W	3	dd	51	97	50	7	6	2	–	4-6	10	1500	1	3
Malin Head	15·7	-10	S'E	1	c-bc	46	85	42	8	5	–	–	7-8	7-8	1500	2	3
Aldergrove	17·3	+12	–	0	c	46	85	43	7	–	7	–	0	9	–	1	*
Birr Castle	15·7	-2	S	1	id	51	92	49	7	5	–	–	10	10	1500	1	*
Valentia Obsy.	15·8	-2	SW'S	3	c/d	52	97	52	7	5	–	–	9+	9+	1500	1	2
Roches Point	16·4	0	S	3	df	51	97	51	3	5	–	–	10	10	220	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 28th Hrs. (38)
London (Kew)	58	39	20	–	Tr	3·7
Croydon	58	38	30	–	–	5·3
S. Farnborough	57	35	22	Tr	0·1	4·2
Boscombe Down	57	38	36	–	Tr	0·5
Thorney Island	58	40	33	–	–	*
Lympne	57	35	30	1	0·3	5·0
Manston	58	43	36	–	0·1	7·4
Shoeburyness	60	37	34	–	0·3	5·3
Felixstowe	60	38	34	0·6	Tr	8·9
Gorleston	51	39	37	7	–	6·5
Mildenhall	59	32	26	Tr	Tr	6·8
Cranwell	57	37	33	–	–	9·2
Birmingham	54	35	20	Tr	–	4·4
Upper Heyford	57	35	*	Tr	Tr	*
Ross-on-Wye	56	33	27	1	–	1·7
Hartland Point	52	47	47	0·5	0·1	0·4
Bristol	56	34	28	Tr	–	0·8
Portland Bill	52	47	*	1	0·2	*
Plymouth	54	47	42	3	0·3	0·0
The Lizard	56	49	*	–	Tr	0·8
Scilly (St. Mary's)	55	49	*	0·2	1	4·0
Guernsey						
Pembroke	51	48	*	4	4	0·0
Holyhead (Valley)	56	38	30	–	–	*
Chester (Sealand)	55	34	27	Tr	–	11·1
Manchester	55	36	28	–	–	*
Spurn Head	54	42	*	0·4	–	6·6
Catterick (Sc)	56	32	26	1	–	9·0
Tynemouth	52	36	33	0·2	–	*
St. Abbs Head	50	41	*	Tr	–	*
Leuchars	56	36	27	0·2	Tr	9·2
Renfrew (Abbots I.)	56	33	24	–	–	12·5
Eskdalemuir	54	26	19	Tr	–	8·4
Point of Ayre	55	35	*	–	–	12·5
Tiree	51	38	*	0·2	–	11·7
Stornoway	51	35	28	Tr	–	10·7
Dalwhinnie	50	25	17	1	–	6·1
Aberdeen †	51	33	26	0·1	–	8·6
Wick	48	36	32	0·1	Tr	*
Sumburgh	48	39	33	0·6	0·1	5·3
Blacksod Point	58	49	*	–	0·2	*
Malin Head	51	38		–	–	1·2
Aldergrove	55	36	31	–	0·1	12·2
Birr Castle	56	49	46	–	0·1	0·2
Valentia Obsy.	54	51	49	3	1	0·0
Roches Point	53	50	*	3	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III C_L C_M (13h. G.M.T. 28th April)	$wwVhN_h$	DDFWN	C_L C_M (18h. G.M.T.)	$wwVhN_h$	DDFWN	C_L C_M (01h. G.M.T. 29th April)	$wwVhN_h$	DDFWN	C_L C_M (07h. G.M.T.)	$wwVhN_h$	DDFWN
109 86	25855	28585	30	02955	28415	5-	01754	28384	70	01853	32313
115 24	10954	30224	24	02954	28326	57	02854	32287	57	02844	32127
203 80	01954	28324	16	01943	24214				11	01952	08214
206 2-	10865	28425	4-	02964	26215	50	01861	00011	53	02864	00015
210 26	02953	31384	86	02955	28126	43	01954	24214	73	01864	20227
219 10	01964	28314	10	01962	27312	40	01851	14113	14	02952	13115
230 2-	01965	25315	7-	01964	19354	04	01990	00011	10	02841	00026
245 86	10944	30386	86	01964	32114	04	01990	00012	53	01871	00004
260 40	01865	26315	53	02764	04125	--	05663	00024	00	02790	00016
278 26	01954	27424	10	01961	28401	00	00890	14200	50	05653	14216
279 3-	01954	25424	36	01964	28315	50	01862	28112	84	02853	08115
285 20	81855	28515	27	81746	02387				53	01853	2835
288 84	02855	26326	43	25555	00086	00	05590	00010	13	41452	21144
575 80	01864	30115	10	01863	28113	00	00790	00000	5-	51648	00028
301 84	02855	26325	20	01852	26422	00	00890	24200	27	05553	12266
321 20	01764	26414	26	25755	28388	00	05690	24280	00	41490	16145
2·3 8-	02745	30215	44	22754	30285	00	00790	24200	04	01790	14113
292 2-	02536	28416	9-	25757	02187	00	05690	00010	03	08490	16145
310									--	01643	26213
614 2-	05665	2826	20	00761	61312	50	05663	26103	00	04490	24215

III C_L C_M (13h. G.M.T. 28th April)	$wwVhN_h$	DDFWN	C_L C_M (18h. G.M.T.)	$wwVhN_h$	DDFWN	C_L C_M (01h. G.M.T. 29th April)	$wwVhN_h$	DDFWN	C_L C_M (07h. G.M.T.)	$wwVhN_h$	DDFWN
333 87	05645	24227	54	01853	30224	50	01663	00013	5-	51745	18327
334 --	02644	26216									
340 80	81857	26127	16	01752	30382	00	05690	00000	00	43190	20143
136 20	05664	30314	20	05663	27313	00	01790	00001	50	05643	00003
336 57	02756	28328	53	01753	28314				--	46209	24349
350 8-	02754	26227	46	02765	25286	00	05690	26100	00	05590	22103
368 57	62644	22328	53	02753	24367	5-	05645	22215	57	05565	00028
379 8-	02744	20326	77	02744	30426	00	00790	26310			
390 8-	81743	26425	57	05664	20327	00	08490	24180	00	05590	26100
382 76	02856	25427	14	02863	24226	00	05690	00000	00	05590	00004
438 5-	02648	24418	54	01653	24513	54	01753	20214	04	01790	30311
430 52	02744	23228				50	05664	00026	5-	05665	23125
409 53	22845	26467	57	52627	23387	5-	21646	19158	57	21735	17358

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 29th April. 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	bcmowc	cy-zocbx	bxbmx
Croydon	ccybczo	czoymobmo	bmobbm
Greenwich	c	cypot	crcbmxz
Camden Square	bc	cr	*
Kensington	bcc	cro	*
Hampstead	bc	bcortl	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·3, Time 5-6h 29th. Min. <0·1, Time 8-16h 29th.

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	58	39	20	–	Tr	3·7	*	*
Croydon	58	38	30	–	–	5·3	*	*
Greenwich	57	36	24	Tr	Tr	3·0	55	71
Westminster	55		34	1·2			39	62
Regents Park	55	38	27	0·5	1·0		79	67
Camden Square	59	38	29	2·0	0·3	*	*	62
Kensington	59	37	27	0·2	0·6		45	64
Hampstead	58	37	32	1·5	0·5		*	59

Page 1

SECRET

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

Friday 30th April 1943.

No 29744

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

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)	19·4	-14	W'S	2	c	57	45	37	8	7	7	-	9	10	2500
	Croydon	20·3	-10	SW'S	2	c	59	45	38	8	2	-	2	9	9	4000
	S. Farnborough	19·8	-10	WSW	3	c	59	45	39	8	7	7	4	9	10	3000
	Boscombe Down	20·0	-10	SW'S	4	c	54	75	46	7	5	2	-	9+	10	2500
	Thorney Island	20·4	-6	S'W	3	c	56	65	46	7	2	3	-	1	9	2500
	Lympne	20·4	-6	SSE	2	zo	51	75	42	6	2	-	6	7-8	9	3000
	Manston	20·3	-6	S'E	2	c	53	75	46	7	2	-	7	2-3	10	3500
2	Shoeburyness	19·8	-10	S'W	2	bc	55	65	42	7	4	-	-	4-6	4-6	4000
	Felixstowe	19·8	-6	S'E	4	c	55	65	42	8	8	-	1	7-8	9	4000
	Gorleston	19·0	-10	S'E	4	c	49	75	42	7	8	7	-	4-6	9	2500
	Mildenhall	18·7	-14	SW	3	c	59	45	35	8	1	-	8	4-6	9+	2500
	Cranwell	17·7	-18	W	3	bc	58	45	37	7	1	-	5	2-3	4-6	3000
3	Birmingham	19·5	-8	SW	3	c	51	65	40	7	5	2	-	4-6	10	2500
	Upper Heyford	18·8	-14	SW	3	c	56	55	42	7	1	1	-	4-6	10	2500
4	Ross-on-Wye	18·3	-14	SW	3	c	54	75	46	8	5	1	-	2-3	10	2500
5	Hartland Point	17·2	-14	SW	3	id	52	97	52	7	8	6	-	4-6	7-8	1200
	Bristol	19·5	-10	SSW	3	ido	55	75	48	8	5	2	-	9	10	1500
	Portland Bill	20·6	-10	S	3	c	51	92	49	8	5	2	-	7-8	10	4000
	Plymouth	19·7	-14	SSW	2	dodo	52	97	52	5	5	-	-	10	10	100
	The Lizard	18·5	-14	SSW	4	df	53	97	53	3	5	-	-	10	10	600
	Scilly (St. Mary's)	18·6	-4	WSW	3	c	56	97	54	7	5	7	-	7-8	9+	1000
	Guernsey															
6	Pembroke	16·7	-6	SSW	4	zo	51	97	50	6	5	-	-	10	10	2500
7	Holyhead (Valley)	16·2	-22	S'E	3	c/r	52	92	50	6	5	2	-	9+	10	800
	Chester (Sealand)	17·3	-14	SSE	2	ido	55	75	46	8	5	2	-	4-6	10	2500
8	Manchester	17·2	-20	S	3	c	57	55	40	7	1	7	-	4-6	9+	2500
10	Spurn Head	18·2	-12	SE	4	cbc	51	75	43	7	7	7	2	4-6	7-8	2500
	Catterick (Sc)	17·1	-10	SW	2	cbc	56	45	35	8	1	-	5	4-6	7-8	3000
	Tynemouth	17·2	-10	WNW	3	bc	56	35	29	7	2	3	2	4-6	4-6	2600
11	St. Abbs Head	15·9	-12	ESE	2	cbc	45	92	43	7	5	4	-	4-6	7-8	3500
	Leuchars	16·4	-12	ENE	3	cbc	48	65	36	8	2	-	6	2-3	7-8	3500
12	Renfrew (Abbots I.)	15·0	-18	WSW	2	c	51	85	46	8	2	-	-	7-8	9+	2500
	Eskdalemuir	15·2	-20	S	3	cbc	53	65	42	8	7	-	1	7-8	7-8	2500
	Point of Ayre	15·9	-18	S	4	dodo	49	97	48	6	6	2	-	10	10	2000
13A	Tiree	13·3	-14	SE'S	4	c	51	85	47	9	-	3	7	0	9+	-
13B	Stornoway	13·3	-20	ESE	4	c	49	65	39	9	1	-	6	Tr	9	2800
15	Dalwhinnie	15·4	-10	SW	2	cbc	55	45	31	8	1	-	6	1	7-8	4000
	Aberdeen	17·8	-10	ESE	3	b-bc	49	65	38	9	1	3	5	2-3	2-3	5000
	Wick	16·4	-16	SE	1	b-bc	47	75	40	9	8	-	6	2-3	2-3	3000
16	Sumburgh	16·1	0	SE	3	bc	46	65	36	9	5	-	-	4-6	4-6	3000
17	Blacksod Point	11·8	-12	SSW	4	rr	52	97	52	7	6	2	-	4-6	10	1500
18	Malin Head	12·2	-14	S	3	c/r	52	85	48	8	5	2	-	4-6	10	1500
	Aldergrove	13·9	-20	SSE	3	ido	52	92	50	6	5	2	-	7-8	10	1000
19	Birr Castle	13·6	-10	S	2	c	56	85	52	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	14·6	-10	SW'S	4	dodo	54	97	54	6	5	-	-	10	10	450
	Roches Point	15·4	-4	SW'S	3	c/d	53	92	51	8	5	-	-	9+	9+	800

OBSERVATIONS at 18h. G.M.T. 29th April — 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. (39)	Weather 13h.—18h. (40)	Weather 18h. to 1h. (41)	Weather 1h.–7h. (42)
London (Kew)	17·4	-8	WSW	3	roro	53	85	49	6	5	-	-	10	10	1500	1	*	bbcmocy	crorromo	cirom	irerm
Croydon	18·8	-10	SW'S	3	iro	55	75	47	6	6	7	-	7-8	10	2000	0	*	czoycy	cycirom	crrdmo	eidrrm
S. Farnborough	17·8	-6	SW'S	3	dodo	53	85	48	7	5	-	-	10	10	1400	0	*	b, cmocy	cyproirocdo	cdrirm	drrcid
Boscombe Down	17·4	-18	S'W	3	o/d	51	97	41	7	5	-	-	10	10	500	1	*	c	cidoccidc	dmoro	cmoro
Thorney Island	18·2	-14	SSW	3	dodo	52	92	50	5	5	-	-	10	10	1500	1	*	cmowc	cciro dodo	cdoddomo	cddomidp
Lympne	18·7	-10	SW	2	pr	52	85	48	7	5	-	-	9+	9+	3500	0	3	bmobczo	czocyc	prirorr	prrmfro
Manston	17·9	-14	SW'W	3	c	55	65	44	7	4	6	-	9	9+	5700	0	*	bcmobcc	ccmoc	cmiro	cmciro
Shoeburyness	17·6	-6	SSW	2	o/pr	56	75	46	6	5	-	-	10	10	4000	0	*	bmobcc	cmopr	cmopr	cpremo
Felixstowe	17·6	-10	S'E	4	o/r	52	85	48	7	5	-	-	10	10	6300	0	4	bcc	ciroc	cmo	cmo
Gorleston	17·4	-6	S'W	4	c-bc	52	75	43	7	5	7	5	2-3	7-8	2400	0	3	bcc	cbc	oroo	orrorm
Mildenhall	16·9	-6	WSW	3	roro	56	65	43	7	5	-	-	10	10	3000	1	*	bmocy	cycror	obcmo	ccidcmo
Cranwell	16·0	-2	SW	3	roro	53	85	47	6	5	2	-	7-8	10	4000	0	*	bbcm.bczoy	bccroromo	ororobmcm	cfmo
Birmingham	15·4	-14	SSW	3	c	53	75	45	8	5	2	-	7-8	10	1500	0	*	bcc	c	co	ororo
Upper Heyford	16·5	-10	SW	3	c/d	53	85	48	8	5	-	-	9+	9+	1200	0	*	cmowczocy	cyirocidoc	cddmom	cirmoddo
Ross-on-Wye	15·3	-20	SSW	3	ido	53	85	50	7	5	-	-	10	10	1500	1	*	Fcc	ccido	mdcer	crcro
Hartland Point	15·6	-4	W	4	c-bc	52	97	52	7	5	4	1	4-6	7-8	2000	0	4	idoidc	cido	ciddddf	dfrdirc
Bristol	16·3	-14	S	3	dodo	53	92	51	6	5	-	-	10	10	1300	1	*	cmoc	cdodocmdo	cmodd	eddom
Portland Bill	16·9	-14	S	4	rr	50	92	48	7	5	-	-	10	10	2500	1	4	oc	oodrr	oo	orr
Plymouth	17·7	-10	WSW	4	zo	53	97	52	6	5	3	1	7-8	9	1500	1	2	cdodomo	cmododo	cmdomdd	cmddciro
The Lizard	17·6	0	WSW	4	df	53	97	53	3	5	-	-	10	10	400	1	3	ddidf	oiddf	odf	odfc
Scilly (St. Mary's)	17·4	-8	SW'W	3	o/f	53	97	53	6	5	-	-	10	10	500	1	4	odfid	coff	offec	cpobc
Guernsey																					
Pembroke	15·5	-2	WSW	3	c	51	97	50	8	5	-	-	10	10	2500	1	2	cifmo	cmc	errmo	cbc
Holyhead (Valley)	13·6	-14	SSW	3	ido	50	97	50	4	5	-	-	10	10	<150	1	2	coddmo	odddodo	cddm	errmc
Chester (Sealand)	14·3	-18	SSE	2	c	54	85	49	6	5	7	-	9+	10	2500	1	*	cmbcc	cidododomo	cmoro	crorodoro
Manchester	15·3	-10	SSE	2	c/d	51	92	49	6	5	2	-	7-8	10	1500	0	*	bcczoy	cyrododo	iddd	mddf
Spurn Head	16·0	-2	SW'W	3	c	55	55	38	7	7	3	-	7-8	9+	3600	0	3	c	czo	rrom	irom
Catterick (Sc)	14·9	-10	SW	2	roro	52	75	48	6	5	2	-	4-6	10	2000	0	*	cy	cirocmo	crrmo	orrf
Tynemouth	15·4	-4	SSE	3	bc	49	65	39	7	2	3	-	4-6	4-6	2400	1	2	effbc	bc	bcpo	omrr
St. Abbs Head	14·2	-8	SE	4	cbc	45	97	44	7	5	-	-	4-6	7-8	3500	0	4	bcmobc	cbc	cr	crrmo
Leuchars	14·6	-10	ESE	4	c	47	75	38	7	-	7	2	0	9+	-	0	*	bcc	c	crrr	rrmcrm
Renfrew (Abbots I.)	12·9	-10	SE	2	ido	51	85	47	6	5	-	-	4-6	10	800	1	*	bcmcmoc	cyiroczoido	cmddrrdd	cmddcmrrc
Eskdalemuir	14·0	-10	-	0	iro	48	92	45	6	5	2	-	4-6	10	1500	1	*	bcc	bcciro	ciridopro	cpro
Point of Ayre	13·3	-8	S'E	4	dodo	49	97	49	5	6	2	-	10	10	2000	1	3	cdodo	dodo	dfrr	oRRc
Tiree	10·3	-8	SSE	4	dodo	49	97	49	6	5	-	-	10	10	1000	1	4	c	cdodo	odrmbcb	bbcc
Stornoway	10·1	-18	ESE	3	c	51	65	39	9	5	7	6	4-6	9	3500	1	1	cbcc	cbcc	errciro	bcprobc
Dalwhinnie	12·0	-8	SE	4	c	46	75	37	8	5	-	6	7-8	9+	4000	0	*	bcy	c	*	cprooc
Aberdeen	15·0	-10	SE'S	3	c	45	75	36	7	4	-	6	1	9	2000	0	2	bcbbc	bcc ⊕	c	corrrm
Wick	14·6	-14	SE	3	bc	44	65	34	9	-	-	9	0	4-6	-	0	*	cbc	bcybc	bcc	crorc
Sumburgh	15·1	-6	SSE	2	b-bc	46	75	37	9	5	-	-	2-3	2-3	3000	0	2	c, bbc	bbc	cbc	bcc
Blacksod Point	13·4	-18	WNW	3	bc	53	75	45	7	8	4	6	2-3	4-6	2500	1	3	r	bc	pr	d
Malin Head	10·6	-10	SW	1	rr	51	97	50	8	5	2	-	2-3	10	1500	2	2	r	r	r	f
Aldergrove	11·6	-10	ESE	2	ido	53	92	51	6	5	2	-	4-6	10	1000	1	*	dodomomo	cdodomo	rrbcb	bbcc
Birr Castle	12·3	-2	WSW	2	id	55	97	54	7	5	-	-	10	10	1500	1	*	d	d	*	c
Valentia Obsy.	16·4	-22	NNW	4	c	52	85	48	8	2	7	6	1	9	2500	1	4	r	r	bc	d
Roches Point	13·7	-10	SW	3	id	54	97	53	6	5	-	-	9+	9+	800	1	4	d	d	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th April, 1943

Districts	Forecast
1 S.E. England; 2 E. England	Light southerly winds, veering and freshening temporarily. Rain at first, becoming fine this evening; rather cold.
3 E. Midlands; 4 W. Midlands	Light or moderate northerly winds; some rain at first soon becoming fair; cloudless tonight and tomorrow morning; rather cold.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light or moderate northerly winds; scattered showers but appreciable clear skies tonight and tomorrow; rather cold.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	As 3-4
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate northwest to west winds, fresh locally, backing later; scattered showers, thundery in the North, with local hail; rather cold.
16 Orkneys and Shetlands	Orkney as 12-15. Shetland:- Moderate southerly winds with rain at first soon becoming as 12-15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light or moderate northerly winds backing later; scattered showers, becoming mainly fair; rather cold.

GENERAL INFERENCE

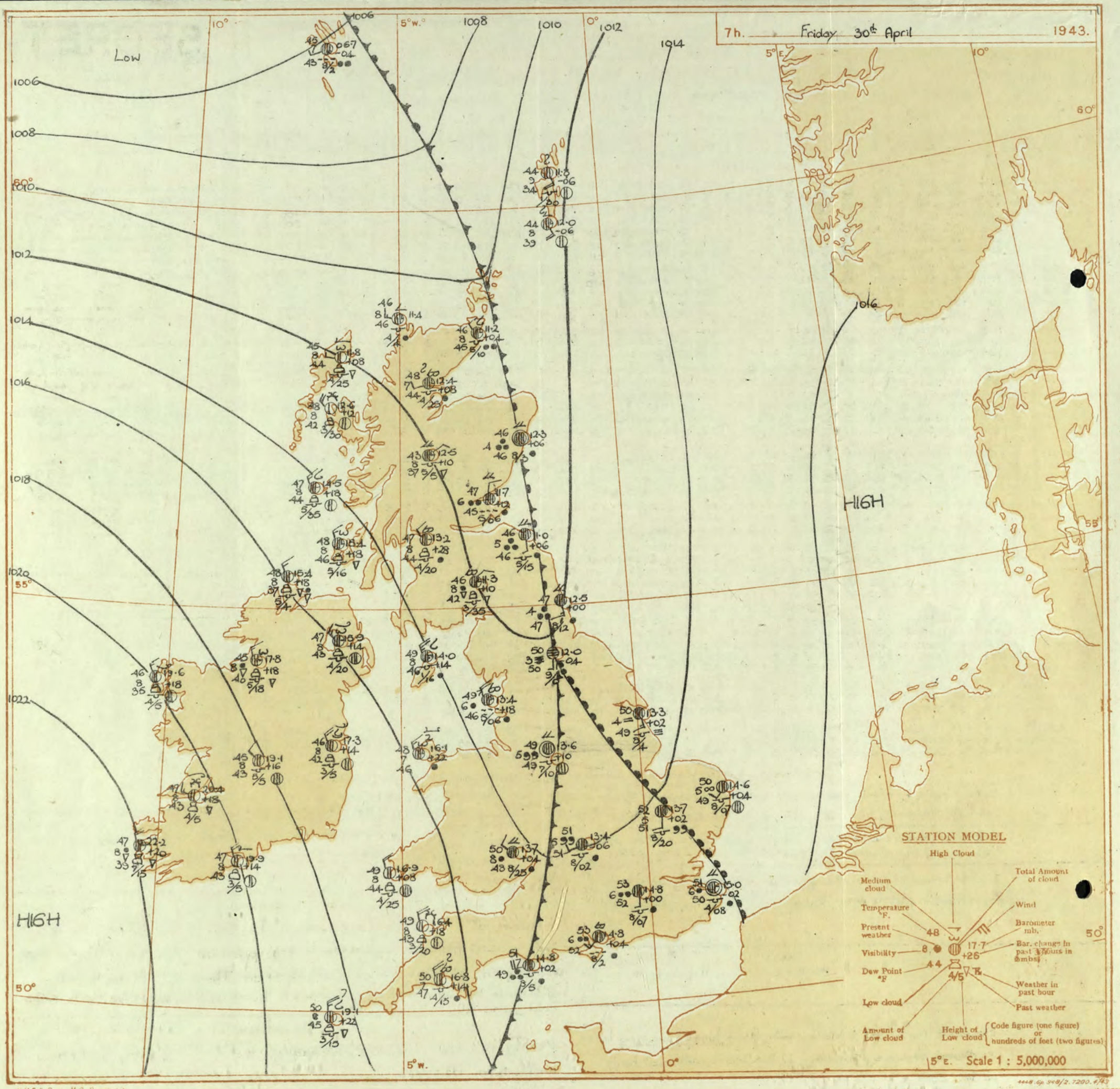
A trough of low pressure over Eastern districts of the British Isles is moving east followed by a ridge of high pressure from the Atlantic. There will be rain at first in Eastern districts. There will be scattered showers in the West and more frequent thundery showers in the North. Rather cold generally

FURTHER OUTLOOK

Mainly fair at first; rain spreading from Atlantic to Western and Northern 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.

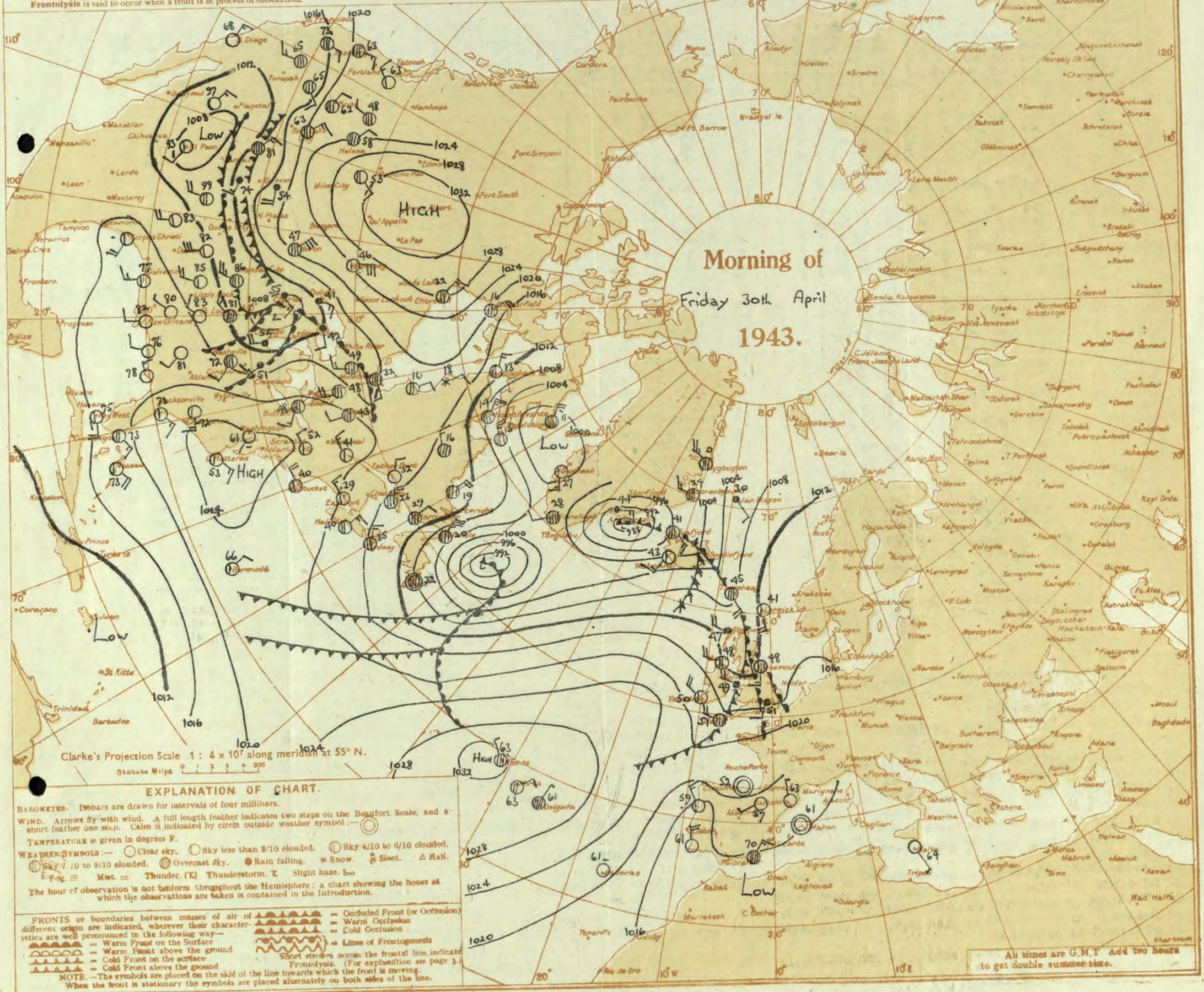
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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. (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 two hours to get double summer time.

Page 4.

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

BRITISH SECTION

Friday 30th April 1943

No. 29744

OBSERVATIONS at 1 hr. G.M.T. 30th April

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	15·6	-14	S'W	2	id	51	97	50	5	5	-	-	10	10	500
	S. Farnborough	226	14·8	-12	W'S	2	z	51	97	51	5	5	-	-	9+	9+	800
	Boscombe Down	417	15·9	-2	SSW	1	rr	50	97	50	6	5	-	-	10	10	300
	Thorney Island	10	15·5	-10	SW'W	3	z	52	97	52	5	5	-	-	10	10	500
	Lympne	283	15·7	-18	SW	2	rr	49	97	49	5	5	-	-	10	10	600
	Manston	154	15·9	-10	SSW	2	ir	50	97	50	6	5	-	-	10	10	600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·1	-14	SSW	3	z	51	92	51	6	5	-	-	10	10	2200
	Gorleston	5	14·9	-12	S'W	2	rr	49	92	47	6	6	-	-	10	10	1500
	Mildenhall	15	14·2	-10	S'W	2	z	50	92	48	5	5	-	-	7-8	7-8	3500
	Cranwell	203	13·4	-12	W	1	z	49	97	49	5	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·3	-6	SW	1	z	51	92	49	6	5	-	-	10	10	900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·8	-10	WSW	4	df	51	97	50	3	--	-	-	10	10	<150
	Bristol	209	14·7	-10	SSW	2	dd	50	97	50	6	-	2	-	10	10	1600
	Portland Bill	32	16·0	-8	S	4	o	51	92	49	7	5	-	-	10	10	2500
	Plymouth	82	16·3	-10	WSW	3	dd	52	97	52	4	5	-	-	10	10	200
	The Lizard	240	16·1	-6	W'S	5	df	52	97	52	3	5	-	-	10	10	300
	Scilly (St. Mary's)	163	16·1	-4	NW'W	4	o/f	51	97	50	6	5	-	-	10	10	500
	Guernsey	175															
6	Pembroke	142	13·9	-6	NWW	4	rr	49	97	49	6	5	-	-	10	10	1500
7	Holyhead (Valley)	32	12·8	-2	WNW	4	dd	49	97	49	6	5	-	-	4-6	10	500
	Chester (Sealand)	16	12·5	-6	-	0	o/r	51	85	48	6	5	-	-	10	10	4500
8	Manchester	235	12·9	-10	S'E	2	z	51	92	50	6	5	-	-	10	10	2500
10	Spurn Head	29	14·1	-10	SSE	3	z	49	92	48	6	5	-	-	10	10	1500
	Catterick (Sc)	192	13·0	-10	-	0	id	49	97	48	4	-	2	-	10	10	800
	Tynemouth	108	13·5	-8	S	3	o	48	85	44	7	5	-	-	10	10	1500
11	St. Abbs Head	280	11·3	-14	SE	3	rr	45	97	45	7	5	-	-	10	10	2500
	Leuchars	36	11·4	-14	-	0	rr	47	97	45	6	-	2	-	7-8	10	1000
12	Renfrew (Abbots I.)	19	10·2	-12	ENE	1	dd	47	97	47	4	-	2	-	10	10	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	11·4	-8	S	1	rr	50	97	50	6	*	2	*	10	10	1500
13A	Tiree	44	11·2	+14	WNW	3	b	47	92	45	8	5	-	-	Tr	Tr	2000
13B	Stornoway	15	08·9	+2	WNW	4	ir	47	97	47	7	5	-	-	10	10	3200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·3	-14	SSE	3	id	43	97	42	7	5	7	-	7-8	10	3000
	Wick	114	11·5	-16	SSE	4	c	43	85	38	7	5	2	-	4-6	9+	2000
16	Sumburgh	19	13·2	-10	SSE	4	bc	42	85	37	8	5	-	-	4-6	4-6	2500
17	Blacksod Point	18	16·0	+12	NW'W	4	bc	48	75	40	8	9	-	-	4-6	4-6	2500
18	Malin Head	84	12·2	+10	WNW	4	bc	48	85	43	8	8	-	-	4-6	4-6	1500
	Aldergrove	268	13·0	+8	W'N	3	b	46	85	42	8	5	-	-	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·8	+10	NW	4	b-bc	50	75	42	8	2	-	-	2-3	2-3	2500
	Roches Point	22	16·8	+18	NNW	4	b	48	85	43	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 30th April

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	13·8	-2	SW'S	2	rr	52	92	51	4	6	2	-	9	10	2500	1	*
Croydon	14·8	0	S	1	rr	53	97	52	6	5	-	-	10	10	700	1	*
S. Farnborough	14·1	+4	W'S	2	id	52	97	52	6	5	-	-	10	10	800	1	*
Boscombe Down	14·5	0	SW'W	2	c/d	52	97	52	6	5	7	-	7-8	10	800	1	*
Thorney Island	14·8	+4	SW'S	3	rr	53	97	52	6	6	7	-	10	10	500	1	*
Lympne	14·9	+4	WSW	2	df	51	97	51	4	5	-	-	10	10	100	1	§3
Manston	15·0	-2	-	0	ir	51	92	50	6	5	2	-	4-6	9	800	0	*
Shoeburyness	16·2	+4	SW	1	c	53	92	51	6	5	-	-	10	10	2500	1	*
Felixstowe	14·1	-10	-	0	z	52	92	50	6	5	-	-	10	10	1900	0	1
Gorleston	14·6	+4	SSW	2	z	50	97	49	5	5	-	-	10	10	700	1	2
Mildenhall	13·7	+2	S'E	2	o/d	52	97	51	5	5	-	-	10	10	2000	1	*
Cranwell	12·8	+2	S	1	z	50	97	50	5	5	7	-	2-3	10	2000	1	*
Birmingham	17·3	+4	WSW	2	rr	50	97	49	5	6	-	-	10	10	800	1	*
Upper Heyford	13·4	-6	SWW	2	ddd	51	97	51	5	5	-	-	10	10	200	1	*
Ross-on-Wye	13·7	+4	W'N	2	ir	50	92	48	8	-	2	-	10	10	2500	1	*
Hartland Point	16·4	+18	NNW	4	bc	49	75	43	8	2	6	-	2-3	4-6	2000	1	4
Bristol	14·2	+4	W'N	3	ir	51	97	51	6	-	2	-	10	10	400	1	*
Portland Bill	14·8	+2	WSW	4	rr	51	92	49	7	5	-	-	10	10	2500	1	4
Plymouth	16·8	+14	NW'N	4	c-bc	50	92	47	7	5	7	6	4-6	7-8	1500	1	2
The Lizard	17·6	+28	NW	5	c-bc	48	97	48	8	7	-	-	7-8	7-8	2000	1	4
Scilly (St. Mary's)	19·1	+22	NNW	5	c-bc	50	85	45	8	8	4	4	2-3	7-8	1500	1	4
Guernsey																	
Pembroke	16·9	+8	NW	4	bc	49	85	44	8	8	-	-	4-6	4-6	2500	0	3
Holyhead (Valley)	16·1	+22	NW	3	c	48	92	46	7	-	3	,	0	9+	-	1	3
Chester (Sealand)	14·1	+18	NN'N	3	c/d	49	85	45	7	5	2	-	7-8	10	1500	1	*
Manchester	13·3	+8	WNW	4	rr	48	97	47	6	6	2	-	9	10	400	1	*
Spurn Head	13·3	+2	SSE	3	m	50	92	49	4	5	-	-	10	10	1500	1	3
Catterick (Sc)	12·0	-4	S	1	df	50	97	50	3	-	-	-	10	10	<150	1	*
Tynemouth	12·5	0	SSE	3	rr	47	97	47	4	-	2	-	10	10	1200	1	2
St. Abbs Head	11·0	+6	SSE	1	rr	46	97	46	5	5	2	-	7-8	10	1500	1	2
Leuchars	11·7	+12	N	1	rr	47	97	45	6	6	2	-	7-8	10	600	1	*
Renfrew (Abbots I.)	13·2	+28	WNW	2	c	47	92	44	8	8	7	-	4-6	9	2000	1	*
Eskdalemuir	11·3	+10	NE	2	pr	46	85	42	8	8	7	-	2-3	9+	3500	1	*
Point of Ayre	14·0	+14	NW'N	5	c	49	92	46	8	5	4	-	Tr	9	1600	1	4
Tiree	14·5	+18	NW'W	3	c	47	85	44	8	8	4	-	7-8	9	3500	1	3
Stornoway	11·8	+8	W	1	bc	45	97	44	8	8	3	8	4-6	4-6	2500	1	2
Dalwhinnie	12·5	+10	NE	1	c	43	75	37	8	5	2	-	7-8	9+	2500	1	*
Aberdeen †	12·3	+6	-	0	rr	46	97	46	4	-	2	-	10	10	800	1	1
Wick	11·2	+4	WNW	2	c/d	46	92	45	8	5	4	-	7-8	9+	1000	1	*
Sumburgh	12·0	-6	SE'S	4	c	44	85	39	8	5	1	6	7-8	9+	5000	0	2
Blacksod Point	19·6	+18	NW'W	3	c-bc	46	65	35	8	8	-	2	4-6	7-8	2500	1	3
Malin Head	15·4	+18	NW	3	c-bc/pr	48	65	37	8	8	-	-	7-8	7-8	1500	2	3
Aldergrove	15·9	+14	WNW	3	c	47	85	43	8	8	3	1	4-6	9	2000	1	*
Birr Castle	19·1	+16	WNW	2	c-bc	45	92	43	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	22·2	+20	NNW	4	pr	47	75	39	8	3	-	-	9+	9+	2500	1	4
Roches Point	19·9	+14	NNW	4	bc	47	85	43	8	2	-	5	2-3	4-6	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 29th Hrs. (38)
London (Kew)	57	51	49	0·2	3	5·2
Croydon	60	50	49	Tr	1	6·9
S. Farnborough	60	50	49	0·1	3	5·1
Boscombe Down	57	50	50	0·2	3	2·1
Thorney Island	58	50	34	0·2	4	*
Lympne	56	48	47	Tr	1	9·7
Manston	56	49	48	-	1	7·7
Shoeburyness	57	51	50	Tr	0·5	7·5
Felixstowe	57	51	42	0·1	0·8	9·3
Gorleston	55	49	48	-	3	6·7
Mildenhall	61	50	43	Tr	1	7·1
Cranwell	58	47	41	Tr	1	7·8
Birmingham	54	49	48	-	1	4·7
Upper Heyford	57	49	42	Tr	1	*
Ross-on-Wye	55	50	49	Tr	2	0·5
Hartland Point	54	48	47	0·1	4	1·1
Bristol	56	50	49	0·5	1	0·0
Portland Bill	52	48	*	0·3	4	*
Plymouth	54	49	49	2	1	0·4
The Lizard	54	47	*	0·5	1	0·0
Scilly (St. Mary's)	56	48	*	1	0·2	0·5
Guernsey						
Pembroke	53	47	*	0·5	3	0·2
Holyhead (Valley)	53	46	45	0·4	4	*
Chester (Sealand)	57	47	46	Tr	3	3·1
Manchester	59	48	47	0·1	3	*
Spurn Head	56	48	*	-	1	6·0
Catterick (Sc)	58	49	47	Tr	2	8·0
Tynemouth	56	47		-	2	*
St. Abbs Head	49	45	*	-	3	*
Leuchars	50	45	43	-	5	9·2
Renfrew (Abbots I.)	56	44	37	0·2	4	4·5
Eskdalemuir	54	45	40	0·2	4	5·7
Point of Ayre	54	46	*	0·3	4	2·4
Tiree	51	44	41	Tr	4	5·7
Stornoway	52	43	39	-	5	10·3
Dalwhinnie	56	40	38	-	2	9·9
Aberdeen †	50	43	39	-	4	9·3
Wick	47	43	41	-	4	*
Sumburgh	49	42	36	-	-	12·4
Blacksod Point	54	43	*	0·2	0·4	*
Malin Head	55	46		3	2	0·6
Aldergrove	53	43	29	1	3	0·2
Birr Castle	59	42	37	0·3	1	0·1
Valentia Obsy.	55	46	42	2	0·2	2·5
Roches Point	54	46	*	0·5	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 29th April ... 18h. G.M.T. / 01h. G.M.T. 30th April ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
109	70	01964	04314	10	01861	12314	50	01741	14414	52	61647	10146
115	14	02954	08426	14	02974	08325	52	60735	12468	51	02844	24367
203				05	02990	16318						
206	13	01361	10314	10	02861	06326	52	62765	00068	57	02754	22267
210	10	01361	06413	10	02961	12527	02	62768	14268	57	61855	22268
219	53	02974	13527	62	62637	14568	50	01862	25562	26	01863	26413
230	10	02864	28127	5-	10748	10128	5-	62648	16268	86	25855	26285
245	10	01853	12304	70	02961	13317	52	61742	14268	02	62538	31168
260	10	02864	00016	52	61555	00028	52	21645	24168	52	22645	25168
278	62	54536	12158	62	54527	13158	5-	62638	28168	87	02854	26326
279	23	02854	24327	52	54424	10268	5-	05648	00028	57	22746	26367
285	23	02855	24416	'								
288	13	02864	22215	57	02763	20328	02	51658	00028	5-	52638	17158
575	5-	51736	12158	57	52526	.....	8-	81748	00018	83	81845	30386
301	57	05656	20328	62	51535	14268	02	64538	20268	67	61635	61467
321	20	05664	18127	52	61666	00068	52	61445	12168	52	62445	16168
2.)	84	01254	18315	54	02755	16416						
292	10	02954	24326	52	05655	00068	5-	61528	16168	62	57345	16168
310	--	01625	24215							--	57109	24349
614	2-	03565	18127	52	21563	18258	5-	22458	18168	52	61446	22248
333	5-	51738	14458	5-	21408	20358	52	58404	22168	53	01755	30365
334	--	53547	26188							--	01742	28213
340	72	51756	20228	52	21646	16258	52	62746	20168	52	62644	28268
136	20	05654	20217	57	02774	21317	5-	05623	18368	5-	05538	18268
330	52	02754	20328	57	02754	20316				23	25754	28385
350	20	02755	20227	52	58549	20258	5-	08448	18258	52	64536	19168
368	52	21555	18358	5-	52538	22368	5-	21428	20358	63	02754	24365
379	73	02743	20218	5-	21635	18357	5-	05628	20328	--	52209	22269
390	20	05666	22327	5-	22556	20268	5-	45348	20128	5-	57338	00058
382	57	00845	22328				52	05636	22268	52	21535	24258
438	04	01790	22314	87	02634	22327	--	57009	22449	--	57009	22349
430	57	02764	17227	52	51637	19358				5-	21428	24258
409	52	51735	21458	5-	51728	22358	5-	57209	24158	53	02734	31426

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 30th April. 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	bbcmey	crrmir	igrm
Croydon	czycy	cyirm dm	cidrrm
Greenwich	bzbcy	cycd	
Camden Square	c	c	*
Kensington	cbc	od	*
Hampstead	bc	orwvod	

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·4, Time 7h 29th. Min. <0·1, Time 10-17h 29th.

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	57	51	49	0·2	3	5·2	*	*
Croydon	60	50	49	Tr	1	6·9	*	*
Greenwich	61	51	49	Tr	3·1	5·4	55	93
Westminster	60	51	50		2·6		54	97
Regents Park	55	51	39	-	3·1		75	93
Camden Square	60	50	41	-	4·1	*	*	95
Kensington	61	51	49	Tr	3·0		89	95
Hampstead	58	49	45	-	3·9		*	99