M.O. Form 2373

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THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June,

1942

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 an overcast sky with a few small openings.

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

		Objects not visible at
0	Dense fog	55 yards
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1½ miles
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

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

Rainfall—Columns 36, 37

Tr: = rain has fallen, but amount less than 0·1 m.m.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/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 ₀ indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_0, slight rain. rr, continuous rain.
<, less than (for cloud height).
[gale symbol], gale.
[solar halo symbol] Solar halo. [lunar halo symbol], lunar halo. [aurora symbol] Aurora.

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

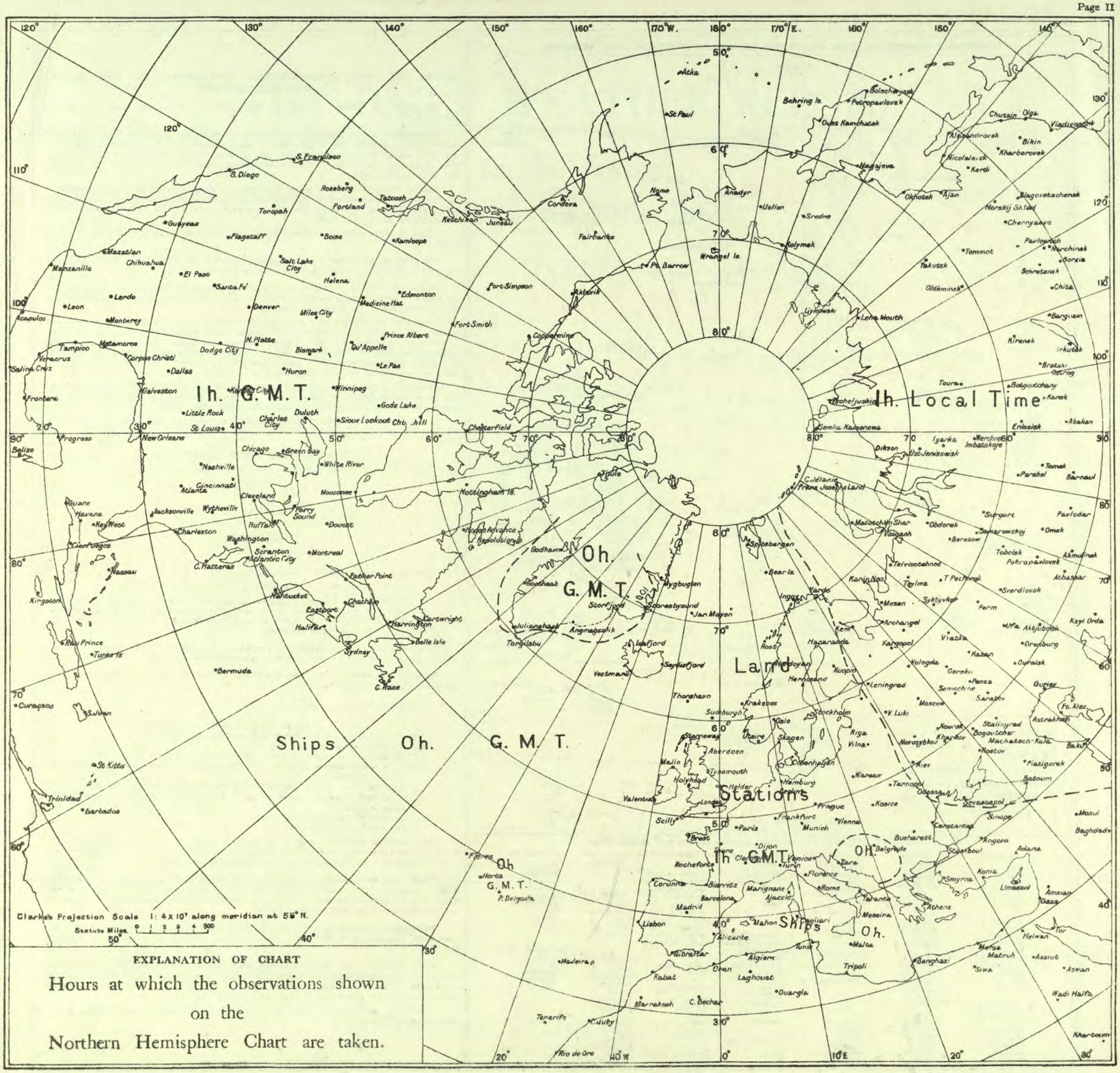
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND.

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

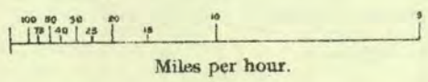
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALE FOR

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



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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

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

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

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

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

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THE DAILY WEATHER REPORT

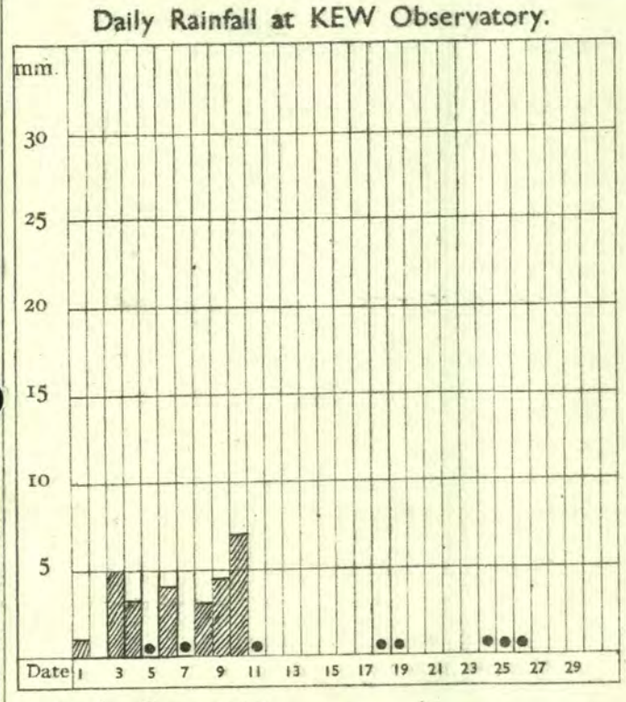
OF THE METEOROLGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT,
April 1942 No. 304

Sunny and Dry.

The outstanding feature of the weather of April has been the excess of sunshine enjoyed almost everywhere. More than 200 hours were experienced at many places; Lympne had 251 hours, an average of over 8 hours per day. This total of 251 at Lympne was a record for any April there, and the previous records for sunshine in April were broken at Croydon, Cranwell, Sealand, Leuchars, Renfrew, Eskdalemuir and Aldergrove. Temperature, too, was rather above average but a cool wind on many days kept the temperature rather lower than calmer conditions would have done with the exceptional insolation prevailing. Rainfall was generally below average, and most of the rain fell during the first ten days. The last fortnight was rainless almost everywhere, and by the end of the month a drought had occured over much of Great Britain. The first ten days of the month were dominated by cyclonic activity; the centres of a succession of lows passing across the north of Scotland. Strong W. to S.W. winds were general and periods of rain alternated with bright intervals. Some of the showers were accompanied by hail and thunder. On the evening of the 9th a ridge of high pressure moved in from the Atlantic and intensifying during the 10th had developed into a large anti-cyclone over and to the east of the country by the evening of the 11th. The high moved northward and became centred to N.E. of the British Isles and a clear, very dry easterly current became established over the country. On the afternoon of the 15th some remarkably low relative humidities were reported including values of between 10% and 20% at Kew, Boscombe Down and Eskdalemuir. A slow general fall of pressure developed on the 18th and 19th but weather remained dry though becoming more cloudy. A depression from Iceland moved E.S.E. on the 21st and colder air from the north spread slowly southward over the country. An anti-cyclone developed in the cold air and its centre moved slowly east from Faröes to Scandinavia. Meanwhile pressure became low over Portugal, so that a strong gradient for easterly winds developed over the British Isles and gales were reported locally in England. These cool, dry, easterly winds were continued to the end of the month accompanied by clear skies almost everywhere. Gales from a westerly point occured on several occasions in the first ten days and during the latter part of the month strong easterlies were experienced, so that the month was much windier than a normal April.

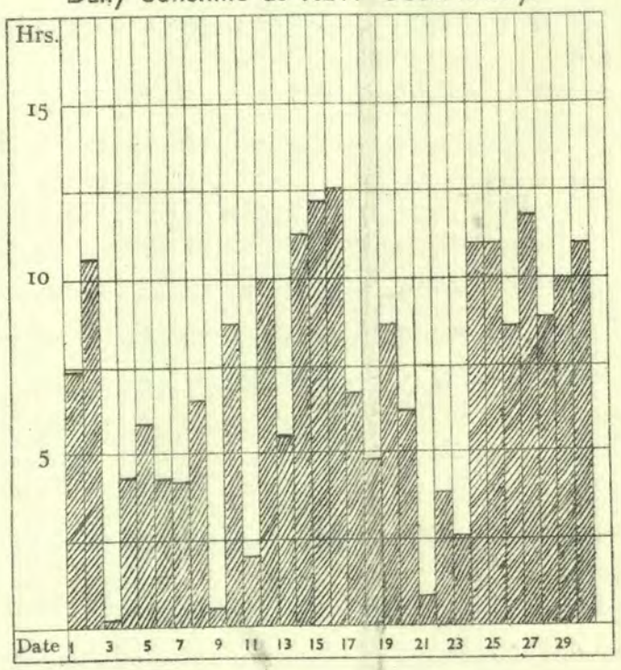
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

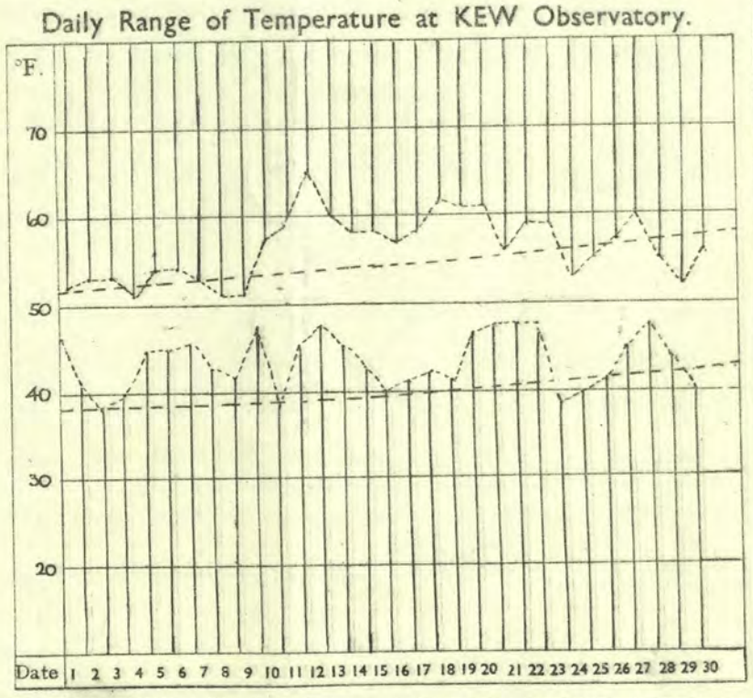
RAINFALL. Total for Month. 21 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 212 hrs.

Daily Range of Temperature at KEW Observatory.



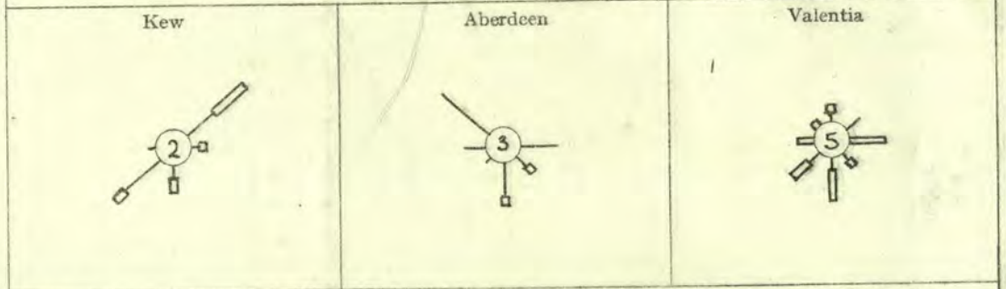
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1013·7	−0·7	49·8	+2·1
Aberdeen	1014·6	+1·3	44·0	+0·5
Valentia	1005·8	−4·0	50·7	+3·3

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

WIND FREQUENCIES at 7 hr.



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

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

	miles
Kew ...	9,368
Aberdeen ...	
Lerwick ...	
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations	† Temperature. Number of daily readings within fixed limits. Maximum. 33°-41°	42°-50°	51°-59°	60°-68°	69°-77°	Average Maximum. °F	Minimum. 24°-32°	33°-41°	42°-50°	51°-59°	Average Minimum. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F	Date.	Lowest Min. °F.	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.
1	London ... (Kew Obsy).	0	0	24	6	0	54.6	0	11	19	0	40.8	65	12	51	4, 8, 9	47	10, 13, 22, 23, 28	38	3, 11.	4	0	17	0	0	20	0	1	20	0	0	0	0	0	3	0	0	0	0	18
	Croydon ...	0	1	23	6	0	54.3	0	15	15	0	39.9	67	12	50	9	47	12, 13	33	16	1	8	6	0	2	17	0	1	15	1	0	0	0	1	11	0	0	0	1	24
	Thorney Island	0	1	21	8	0	53.6	0	10	20	0	41.1	65	27	49	3	49	28	35	3	3	4	14	0	2	17	0	2	10	2	0	1	0	0	20	0	0	0	0	27
	Lympne ...	0	4	22	4	0	51.9	0	13	17	0	39.4	63	12, 13	47	21	46	27, 28	34	3	4	6	8	0	2	15	1	1	7	5	0	0	2	1	14	0	0	0	0	20
2	Shoeburyness...	0	1	27	2	0	53.9	0	6	24	0	39.2	65	20	50	24	47	7, 10	35	16	3	2	9	0	0	20	0	1	12	0	0	0	1	3	14	0	0	0	0	20
	Gorleston ...	0	18	11	1	0	50.7	0	10	20	0	40.6	63	19	43	3	47	10	37	3, 22	0	3	10	0	3	13	0	0	15	0	0	0	1	0	13	0	0	0	0	17
	Cranwell ...	0	1	26	3	0	53.4	0	23	7	0	37.6	64	12	42	24	49	18	34	16, 25	3	4	10	0	0	22	0	3	13	0	0	0	2	0	14	0	0	0	0	26
3	Birmingham ... (Edgbaston)	0	1	22	7	0	52.2	0	19	11	0	39.4	65	12	45	24	47	13	34	25, 26	3	6	10	0	0	21	0	2	15	0	0	1	0	11	5	0	0	0	0	21
4	Ross-on-Wye...	0	1	20	9	0	53.9	0	13	17	0	39.4	67	12	49	24	50	13	35	30	6	2	18	0	1	21	0	1	21	0	0	0	0	0	15	0	0	0	1	22
5	The Lizard ...	0	4	26	0	0	*	0	2	28	0	*	56	17, 18, 27	48	3	48	11, 12, 13, 27	41	17, 21	*	2	28	0	2	28	0	2	28	0	0	0	2	0	25	0	0	2	0	23
7	Holyhead ... (Valley)	0	4	14	12	0	50.1	0	16	14	0	42.4	68	12, 16	49	1, 3	49	12, 13	35	22, 23	4	6	12	2	3	13	1	4	14	0	0	0	0	0	17	0	0	0	0	19
8	Chester ... (Sealand)	0	2	17	10	1	53.2	3	15	12	0	39.0	69	16	45	3, 24	49	6, 13	29	25	4	4	16	1	0	22	0	0	15	1	0	0	0	3	6	0	0	0	0	16
10	Tynemouth ...	0	16	14	0	0	49.3	1	18	11	0	39.7	59	11, 22	42	3, 24	44	6, 11	32	15	1	0	20	0	0	24	0	1	20	0	0	0	1	2	15	0	0	0	0	20
11	Leuchars ...	0	12	15	2	1	50.7	1	24	5	0	37.0	71	16	42	3	44	6, 20	31	15	6	6	14	1	0	22	0	1	23	0	0	0	1	0	16	0	0	0	0	20
12	Renfrew ...	0	7	16	6	1	51.9	1	20	9	0	37.0	70	16	46	3	50	12	29	15	8	0	22	1	0	21	1	0	18	0	0	1	3	3	10	0	0	0	3	20
	Eskdalemuir ...	0	11	13	5	1	49.0	10	19	1	0	33.9	69	16	43	24	44	12	26	30	11	11	14	0	5	22	0	4	19	0	0	0	1	0	18	0	0	0	0	24
13B	Stornoway ...	0	12	18	0	0	48.8	0	17	13	0	38.1	59	15, 18	45	3	47	12	36	8	*	0	21	0	0	19	0	0	19	0	0	0	0	0	26	0	0	0	0	29
15	Aberdeen ...	1	17	11	0	1	49.0	4	23	3	0	38.0	69	16	40	3	42	6, 7, 12	30	30	9	2	18	0	1	19	0	2	21	0	0	0	2	3	14	0	0	1	0	18
18	Aldergrove ...	0	7	18	5	0	52.3	1	19	10	0	38.3	68	16	45	8	49	12	32	4	3	3	23	0	2	22	0	2	19	1	0	0	0	0	23	0	0	0	0	24
19	Birr Castle ...	0	2	21	7	0	53.3	0	17	12	1	38.1	68	16	47	1	51	12	33	2	4	4	17	0	8	15	0	8	15	0	0	0	0	0	30	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	1	21	8	0	52.4	0	5	23	2	42.4	66	28	49	1	51	11, 12	37	2	0	1	25	0	0	24	1	2	21	2	0	0	1	0	26	0	0	0	0	29

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	42.0	40.5	58	42.4	58	44.9	38
850	4700	31.8	34.0	60	34.9	60	37.8	30
750	7950	22.4	26.0	60	26.2	60	27.9	30
650	11590	11.1	13.7	60	13.7	60	15.4	30
550	15720	-3.3	-2.0	60	-1.6	60	1.3	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 (kilometres per hour.)	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour.)	Station. Height. Metres.
500 above ground	84	11	31	34	6	0	6	2	1	3	0	0	30	11	13	2	0	0	25	13	8	1	1	0	500 above ground.
1000 above M.S.L.	73	15	34	18	4	1	4	1	1	1	0	0	23	11	10	1	0	1	12	6	5	1	0	0	1000 above M.S.L.
2000 ,, ,,	43	12	22	9	0	0	1	0	1	0	0	0	7	3	4	0	0	0	6	3	1	2	0	0	2000 ,, ,,
3000 ,, ,,	27	12	12	2	1	0	0	0	0	0	0	0	5	0	5	0	0	0	3	1	2	0	0	0	3000 ,, ,,
4000 ,, ,,	12	5	6	1	0	0	0	0	0	0	0	0	4	2	2	0	0	0	1	1	0	0	0	0	4000 ,, ,,

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY APRIL 1942.

SUNSHINE.

District	Stations	Number of Days with Duration: Nil	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours	Date	Total for past 12 months (Hours)	Difference from average (Hours)	Total for Month (Hours)	Difference from average (Hours)	Highest and Lowest Totals on record for Month: First year of record	Highest (Hrs.)	Year	Lowest (Hrs.)	Year
1	London (Kew Obsy).	0	5	7	8	10	12·6	16	1418	−51	212	+66	1880	244	1893	79	1920
	Croydon	0	4	6	8	12	13·0	30	1521	−4	223	+90	1922	176	1927	101	1941
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*
	Lympne	0	4	5	5	16	13·3	30	1737	−28	251	+90	1921	237	1921	131	1931
2	Shoeburyness	0	4	5	10	11	13·1	30	1515	−201	222	+69	1919	227	1921	94	1937
	Gorleston	2	2	2	13	11	13·0	15	*	*	219	+55	1908	268	1909	69	1937
	Cranwell	1	3	6	4	16	13·5	30	1417	−121	234	+93	1921	194	1921	84	1937
3	Birmingham (Edgbaston)	3	5	7	4	11	12·0	16	1185	−119	187	+60	1887	233	1893	61	1891
4	Ross-on-Wye	1	7	3	10	9	13·4	30	1398	−87	197	+55	1915	218	1938	72	1920
5	Falmouth (Observatory)	2	7	7	10	4	12·6	15	1718	+8	165	−22	1881	272	1906	112	1931
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	240	1938	91	1920
8	Chester (Sealand)	4	4	5	4	13	12·7	16, 26, 29	1330	−46	208	+69	1923	189	1938	102	1931
10	Tynemouth	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*
11	Leuchers	2	7	7	2	12	14·6	30	1300	−170	215	+66	1922	191	1936	98	1937
12	Renfrew	5	3	6	6	10	13·1	27, 30	1144	−49	192	+59	1921	179	1938	73	1937
	Eskdalemuir	3	10	0	4	13	13·6	30	1254	+53	197	+69	1910	194	1914	64	1937
13B	Stornoway	1	9	5	3	12	13·6	26	1187	−28	215	+65	1881	216	1902	105	1933, 1937
15	Aberdeen	3	7	5	4	11	13·9	30	1224	−105	206	+62	1881	235	1906	78	1941
18	Aldergrove	2	7	4	6	11	13·5	28	1190	−107	210	+70	1927	193	1938	57	1937
19	Birr Castle	2	7	8	6	7	12·5	30	*	*	179	+27	1881	245	1914	70	1937
20	Valentia (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	1880	262	1938	75	1905

RAINFALL.

District	Stations	‡Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours: mm.	Date	Total for past 12 months (mm.)	Difference from average (mm.)	Total for Month ‡ (mm.)	Difference from average (mm.)	Highest and Lowest Totals on record for Month: First year of record	Highest (mm.)	Year	Lowest (mm.)	Year	Days with Thunder	Days with Snow or Sleet
1	London (Kew Obsy).	23	1	6	0	0	0	5	3	621	+15	21	−16	1856	101	1878	1	1912	1	0
	Croydon	23	0	3	4	0	0	11	9	621	−58	43	+1	1921	104	1926	4	1938	1	0
	Thorney Island	24	0	2	4	0	0	8	6	*	*	33	−6	1941	89	1922	1	1938	0	0
	Lympne	24	1	2	3	0	0	9	9	657	−67	24	−18	1920	91	1926, 1935	13	1938	0	0
2	Shoeburyness	24	2	4	0	0	0	5	8	467	−36	15	−16	1920	99	1926	5	1938	2	0
	Gorleston	20	6	3	1	0	0	7	19	540	−82	9	−29	1871	100	1871	3	1893	1	0
	Cranwell	21	3	6	0	0	0	5	9	590	0	17	−17	1917	110	1920	4	1938	1	0
3	Birmingham (Edgbaston)	21	1	4	4	0	0	12	1	769	+95	51	+7	1893	122	1940	3	1938	2	0
4	Ross-on-Wye	21	4	1	4	0	0	13	6	619	−98	43	−5	1859	143	1889	1	1938	1	0
5	Falmouth (Observatory)	16	6	4	3	1	0	17	4	953	−154	62	−5	1871	179	1882	1	1938	1	0
7	Holyhead (Valley)	20	5	4	1	0	0	11	3	796	−91	29	−24	1871	97	1908	5	1938	0	0
8	Chester (Sealand)	18	4	6	2	0	0	8	3	572	−66	29	−8	1922	80	1937	5	1938	0	0
10	Tynemouth	19	7	2	2	0	0	7	9	488	−133	21	−15	1915	110	1934	6	1938	1	0
11	Leuchers	20	3	5	2	0	0	6	6	607	−46	31	−8	1922	117	1934	2	1938	1	0
12	Renfrew	20	2	4	3	1	0	23	9	894	−45	60	+3	1921	129	1925	18	1938	0	0
	Eskdalemuir	18	4	2	4	2	0	20	7	1349	−50	81	−5	1910	191	1925	20	1918	0	2
13B	Stornoway	16	8	6	0	0	0	5	1	919	−347	30	−47	1870	172	1904	10	1891	0	1
15	Aberdeen	21	1	6	2	0	0	12	7	796	+48	35	−13	1871	156	1934	10	1912	0	1
18	Aldergrove	19	0	8	3	0	0	14	9	902	+64	48	−6	1926	88	1940	6	1938	1	0
19	Birr Castle	16	4	7	3	0	0	11	6	749	−78	56	+2	1862	121	1894	4	1938	*	*
20	Valentia (Cahirciveen)	14	5	5	5	1	0	19	4	*	*	94	+1	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	1	5	5	9	8	1	1
Ross-on-Wye	0	0	0	6	5	9	4	4	2	0
Falmouth (Obsy.)	2	0	4	7	14	2	1	0	0	0
Renfrew	2	1	6	9	3	7	2	0	0	0
Eskdalemuir	0	0	2	5	4	4	5	6	3	1
Aberdeen	0	0	4	4	7	8	3	2	1	1
Valentia	0	1	3	6	9	7	4	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)	15	15	0	0	0	0	0	0	0	0
Ross-on-Wye	16	14	0	0	0	0	0	0	0	0
Renfrew	14	16	0	0	0	0	0	0	0	0
Eskdalemuir	11	19	0	0	0	0	0	0	0	0
Aberdeen	10	20	0	0	0	0	0	0	0	0
Valentia	9	21	0	0	0	0	0	0	0	0

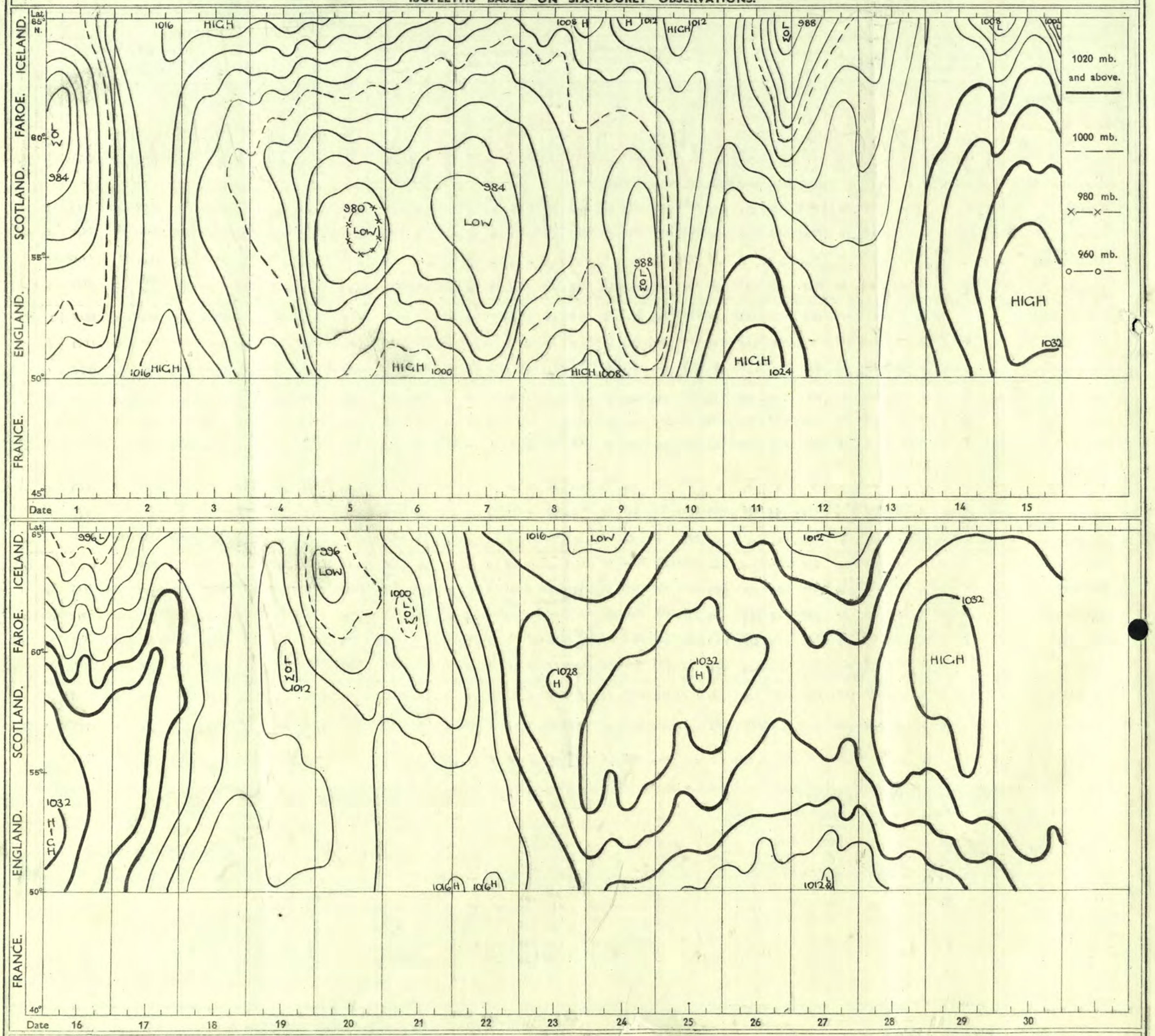
CODE for State of Ground.

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

‡ Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

PRESSURE: ICELAND TO GULF OF LIONS ..... April ..... 1942.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

Fc 385/4250 Wt 6142. 0.2558. Gp 948 325.8/42.

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

SECRET

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

BRITISH SECTION

Wednesday 1st April 1942

No. 29349

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)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	07·4	-10	SWS	5	ir	52	92	49	7	6	2	-	9+	10	1500
	Croydon	08·4	-6	SSW	3	ir0	51	97	50	6	6	2	-	9+	10	500
	S. Farnborough	08·1	-6	SW	5	r0r0	52	92	50	6	5	-	-	10	10	400
	Boscombe Down	07·7	-10	SW	5	ir0	51	97	51	5	-	2	-	10	10	200
	Thorney Island	09·5	-10	SW'S	4	ir0	49	97	48	6	5	-	-	10	10	800
	Lympne	11·3	-8	S'W	3	rf	48	97	48	2	-	-	-	10	10	<150
	Manston	09·1	-10	SW	6	ir0	51	97	50	6	5	2	-	9+	10	200
2	Shoeburyness	09·0	-2	SW	5	ir0	52	85	43	8	6	2	-	7-8	10	800
	Felixstowe	07·6	-12	SW	4	ir0	45	97	44	6	5	-	-	10	10	1000
	Gorleston	06·6	-14	WSW	4	ir0	53	92	51	5	6	-	-	10	10	1000
	Mildenhall	05·9	-6	SSW	5	r0r0	54	97	54	6	6	2	-	7-8	10	800
	Cranwell	03·1	-12	SWS	4	r0r0	54	97	53	6	5	-	-	10	10	1000
3	Birmingham	02·8	-10	SSW	4	ir0	53	92	51	7	6	-	-	10	10	800
	Upper Heyford	05·5	-10	SSW	4	c	53	92	50	7	5	2	-	9	10	800
4	Ross-on-Wye	03·9	-12	SW	4	r0r0	53	92	51	6	6	-	-	10	10	800
5	Hartland Point	03·6	-10	W	5	rf	50	97	49	5	5	2	-	7-8	10	600
	Bristol	06·7	-10	S'W	4	r0r0	53	92	51	7	-	2	-	10	10	600
	Portland Bill	06·2	-4	SW	4	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth	06·7	-18	SW	5	r0r0	50	97	50	5	-	2	-	10	10	200
	The Lizard	06·6	-14	SW	6	rf	50	97	50	4	5	-	-	10	10	600
	Scilly (St. Mary's)	05·9	+2	SW'W	4	c	52	97	51	6	5	7	-	4-6	10	500
	Guernsey															
6	Pembroke	02·6	-10	SW	6	o/r	48	97	48	7	5	-	-	10	10	2000
7	Holyhead (Valley)	98·9	-10	S'W	6	c	49	92	47	7	5	2	-	7-8	10	2000
	Chester (Sealand)	01·3	-6	WSW	2	r0r0	55	75	47	7	6	2	-	7-8	10	1000
8	Manchester	01·3	-8	S'W	5	rr	53	97	52	6	6	2	-	7-8	10	700
10	Spurn Head	02·4	-6	SW	5	dr	54	85	51	6	8	2	-	7-8	10	2000
	Catterick	99·8	-12	SW	3	o/r	55	85	48	6	5	-	-	10	10	1200
	Tynemouth	99·2	-2	WSW	4	c	55	75	47	6	8	-	-	9+	9+	1400
11	St. Abbs Head	95·2	-16	SSW	6	c	56	75	48	7	8	2	-	7-8	10	1800
	Leuchars	93·7	-18	SW	3	c	55	75	48	8	5	2	8	2-3	9+	1800
12	Renfrew (Abbots I.)	93·6	-26	SSW	4	pr0	55	75	48	6	8	-	-	4-6	10	900
	Eskdalemuir	96·2	-18	S'W	4	rr	46	65	38	5	-	2	-	10	10	200
	Point of Ayre	96·4	-20	SW	5	c	56	85	52	8	5	4	6	Tr	9	800
13A	Tiree	90·0	-20	SSW	4	c	50	92	48	7	5	-	-	7-8	7-8	1500
13B	Stornoway	88·1	-22	SSE	6	c/pr	49	92	47	8	8	7	-	7-8	9+	1800
15	Dalwhinnie	92·8	-18	S	3	ir	48	85	46	7	5	2	-	4-6	10	1500
	Aberdeen	93·5	-24	S'W	3	m	45	97	44	4	6	2	-	4-6	10	1600
	Wick	91·6	-34	SE	3	zo	44	97	43	5	5	-	-	9	10	200
16	Sumburgh	95·7	-32	SSE	5	r0r0	43	97	43	4	5	-	-	10	10	300
17	Blacksod Point	94·4	+24	WSW	4	bc	54	75	46	8	2	-	5	2-3	4-6	2500
18	Malin Head	90·6	-14	NW'W	4	c	54	75	46	8	8	-	-	9	9	4000
	Aldergrove	93·9	-16	SW'S	4	c	55	75	46	8	8	-	-	9+	9+	2600
19	Birr Castle	96·8	-2	SW	3	c	57	75	46	8	5	-	-	7-8	7-8	1500
20	Valentia Obsy.	00·2	+18	W'S	5	c/pr	53	85	49	8	3	-	-	7-8	7-8	2500
	Roches Point	99·6	-6	WSW	5	c	55	85	51	8	3	3	-	4-6	7-8	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	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)	04·7	-14	SW'S	4	o/r	51	92	49	6	5	-	-	10	10	800	1	*
Croydon	05·4	-14	SSW	4	dr	51	92	50	6	6	-	-	10	10	300	1	*
S. Farnborough	05·3	-6	SW'W	4	c/r	51	92	49	7	5	7	8	4-6	9+	700	1	*
Boscombe Down	05·7	-8	SW	4	zo	52	92	50	6	5	7	4	4-6	9	2000	1	*
Thorney Island	06·9	-10	WSW	3	o/d	50	97	49	7	5	-	-	10	10	800	1	*
Lympne	08·1	-18	SW	5	dF	49	97	49	1	-	-	-	10	10	<150	1	4
Manston	06·4	-18	SW'W	5	dodo	52	92	50	6	5	-	-	10	10	300	1	*
Shoeburyness	06·1	-14	SSW	4	ir0	52	97	49	7	6	2	-	7-8	10	800	1	*
Felixstowe	05·2	-14	SW'S	4	o/r	50	97	49	6	5	-	-	10	10	800	1	3
Gorleston	04·2	-6	SW	5	zo	55	92	52	6	5	-	-	10	10	1000	1	4
Mildenhall	03·0	-14	SW'S	5	c	55	92	53	7	5	2	-	9	10	800	1	*
Cranwell	00·7	-2	SW'W	4	o/r	53	85	49	6	2	7	3	Tr	9+	1500	1	*
Birmingham	01·7	-8	SW	4	c	53	75	45	8	8	7	-	2-3	9	2500	1	*
Upper Heyford	03·7	-10	SW'S	4	c	51	85	47	8	8	7	-	4-6	7-8	800	1	*
Ross-on-Wye	02·3	0	SW'W	3	c	53	85	47	7	8	3	-	9	9+	2500	1	*
Hartland Point	03·9	0	WSW	5	c	49	92	48	6	5	-	-	9+	9+	800	1	5
Bristol	04·9	-2	WSW	3	c	53	85	48	7	8	7	2	4-6	9+	1500	1	*
Portland Bill	06·7	-6	SW	4	f	47	92	45	2	-	-	-	10	10	<150	1	4
Plymouth	07·0	+2	SW'W	5	zo	51	97	49	6	5	1	-	4-6	10	200	1	
The Lizard	07·3	+2	SSW	6	c	50	97	50	6	8	2	-	7-8	9+	800	1	5
Scilly (St. Mary's)	06·7	+6	SW'W	5	c	51	97	50	6	5	3	-	4-6	9+	1000	1	4
Guernsey																	
Pembroke	02·3	-4	SW'W	6	zo	48	97	48	6	8	3	2	4-6	7-8	2000	1	4
Holyhead (Valley)	98·3	+2	SW	6	c/r	48	92	47	7	8	3	-	4-6	7-8	2500	1	4
Chester (Sealand)	99·1	-10	WSW	5	cq	55	75	46	8	3	4	5	2-3	7-8	2000	1	*
Manchester	99·5	-8	SW'S	5	c	53	75	46	8	2	6	-	7-8	9	2500	1	*
Spurn Head	99·6	-10	SW	4	c	53	92	50	7	7	3	2	4-6	7-8	1500	1	4
Catterick	97·3	-12	WSW	2	bc/pr	51	75	43	7	2	7	-	1	2-3	900	1	*
Tynemouth	95·6	-6	WSW	3	c	52	75	43	6	8	-	-	7-8	7-8	1000	1	3
St. Abbs Head	92·6	-8	SW	5	pr	48	92	46	8	5	2	-	7-8	9+	1500	1	3
Leuchars	91·5	-4	SW	4	pr	47	97	46	7	9	-	-	9	9	1200	2	*
Renfrew (Abbots I.)	93·1	+6	WSW	5	c/pr	50	85	44	8	5	7	3	4-6	9	1000	1	*
Eskdalemuir	94·2	-10	SSW	4	rr	45	97	44	6	-	2	-	10	10	200	1	*
Point of Ayre	96·0	+6	W'S	5	c/pr	49	92	47	8	8	-	6	7-8	7-8	3000	1	3
Tiree	91·6	+14	WSW	4	c	49	85	46	8	8	-	-	7-8	7-8	1800	0	5
Stornoway	85·9	-4	SSW	4	c/pr	47	97	46	8	8	7	2	4-6	9	1500	1	4
Dalwhinnie	90·7	-8	S	3	bc	44	85	39	8	8	4	-	2-3	4-6	2500	1	*
Aberdeen	90·1	-22	S'W	1	c/r	48	85	45	6	9	9	-	7-8	10	1100	1	2
Wick	88·3	-6	S	2	c	46	85	44	8	8	6	4	4-6	7-8	4000	1	*
Sumburgh	90·6	-22	SSE	4	zo	42	97	42	6	6	-	-	7-8	10	400	1	5
Blacksod Point	97·2	+14	W'S	5	c	51	75	43	8	8	3	5	4-6	9	2500	1	4
Malin Head	93·9	+22	W	5	c	49	75	42	8	9	-	4	4-6	7-8	5700	0	3
Aldergrove	95·8	+18	W	5	bc	51	75	43	8	2	6	3	2-3	4-6	2500	1	*
Birr Castle	00·0	+22	W	3	c	53	65	44	8	8	-	-	7-8	7-8	800	1	*
Valentia Obsy.	02·8	+14	WSW	4	c/pr	49	85	45	8	5	2	-	7-8	9+	2500	1	4
Roches Point	01·8	+18	W	4	bc	53	75	45	8	3	3	3	2-3	4-6	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 31st (39)	13h.—18h. 31st (40)	18h. 31st to 1h. 1st (41)	1h.—7h. 1st (42)
London (Kew)	r0m0ir0r0	r0dir0c	cm0	c,bm0w
Croydon	r0r0m0d0	cm0d0r0	cm0dr0	cbc
S. Farnborough	cd0rRr0r0m0	cr0r0d0r0m0	cm0, bc	bcm0cwb
Boscombe Down	cir0m0	cr0r0m0		
Thorney Island	rm0fm0r	ir0r0dDc	czmc	cb
Lympne	RFr	or0r0r0m	Fr0mm0	ocm0cb
Manston	rrr0r0ir0	ir0r0r0m0	ir0d0d0	cbcm0
Shoeburyness	cm0r0r0	cir0	ir0cm0	cm0bm0
Felixstowe	orrcid0m0	cm0r0r0om0	cm0bcm0	bcm0b,c
Gorleston	crrm0	oir0cz0	c	bcc
Mildenhall	cm0r0r0	cm0cir0c	cm0bc	bcpr0b
Cranwell	oir0cm0rr	cr0r0cm0	cbcm0	c,prb
Birmingham	d0cir0	cir	c	cpr0b
Upper Heyford	cr0r0c	cr0r0c	bc	bcb
Ross-on-Wye	r0d r0r0	r0r0c	c	cb
Hartland Point	rfrrc	rrfc	cbc	bcp0
Bristol	cr0r0	cmRr	cbc,c	cbcb
Portland Bill	orf0	off	obc	
Plymouth	oid0r0r0	r0f0r0m0cm0	cm0	cbcwb
The Lizard	rrrf	rfc	cbc	bcw
Scilly (St. Mary's)	or0r0c	c	c,bwr0b	bwpc
Guernsey				
Pembroke	orir0m0c	cm0	bcb	bbcq
Holyhead (Valley)	cid0m0	r0m0c	bccPRm0	bbc
Chester (Sealand)	czor0	cr0cq	cpr0	prqb
Manchester	cirir	m0rrc	cprm0	bcb
Spurn Head	cqm0d0	c	c	b
Catterick	cmcr0	cpr0by	bbcb	cpr0b
Tynemouth	c	coirc	cbc	bcpqbc
St. Abbs Head	Frcm0c	cprr0	cr0cb	bccprbc
Leuchars	Ridmc	prqpr0	psm0bc	
Renfrew (Abbots I.)	pr0z0	pr0prm0	cprc	cpr0r0
Eskdalemuir	d0RrRr	ORrr	rrcbc	bcpr0
Point of Ayre	cr0r0	crrcR	r0r0crr	bbcc
Tiree	cir	c	bccpr	cpr0
Stornoway	cpr	cpr	c	c
Dalwhinnie	ocir0	oirc	*	cirbc
Aberdeen	cir0m	cir0	c	bccir0
Wick	omrr	cm0bcc	cbc	
Sumburgh	Frrrr0m	r0r0rrr0	oirffcm	
Blacksod Point	bc	c	pr	pr
Malin Head	o	c	c	pr
Aldergrove	ciroiRbc	cprtlqbc	cprpr	bcb,cjp
Birr Castle	pr	pr	*	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	r	c	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 1st April 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate or fresh squally southwest wind, strong at times; bright intervals; showers of rain or hail; local thunder; average temperature.
5 S.W. England ✦; 6 South Wales ✦; 7 North Wales ✦; 8 N.W. England ✦; 9 N. Midlands	Fresh squally southwest wind, strong to gale locally, bright intervals; showers of rain or hail; local thunder; average temperature.
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	As 5-9.
14 Mid Scotland; 15 N.E. Scotland	As 1-4.
16 Orkneys and Shetlands	As 1-4.
17 N. W. Ireland ✦; 18 N. E. Ireland ✦; 19 S. E. Ireland ✦; 20 S. W. Ireland ✦	As 5-9.

GENERAL INFERENCE

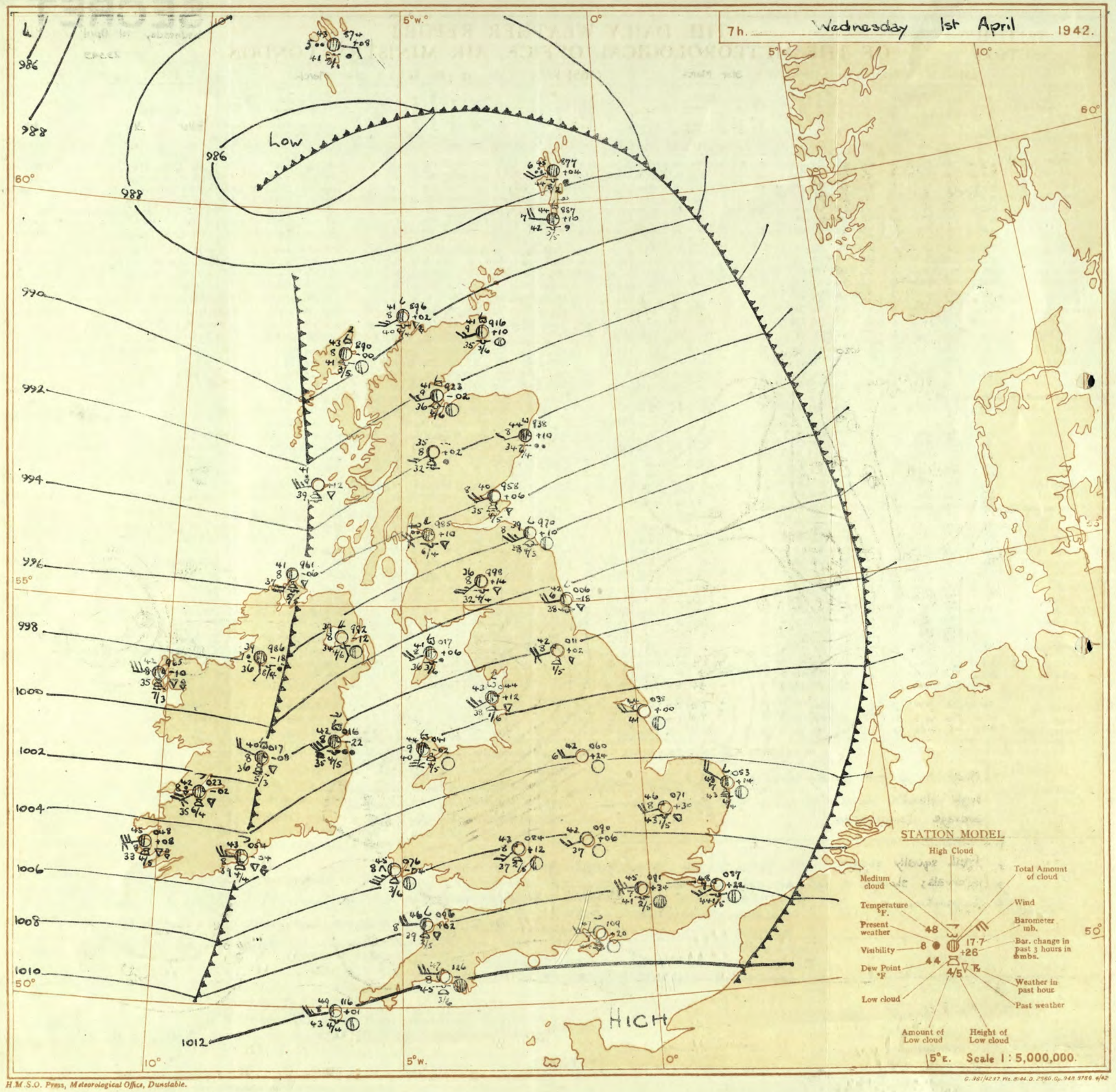
A complex depression extends from north of Scotland to south of Iceland, and troughs of low pressure are crossing the British Isles. There will be bright intervals and showers in all districts with local hail and thunder.

FURTHER OUTLOOK

Unsettled southwest type of weather. Mild with rain and strong southwest winds at times. ✦ Gale Warning in operation in districts 5, 6, 7, 8, 12, 17, 18 19, 20. Issued at 0540 1-4-42.

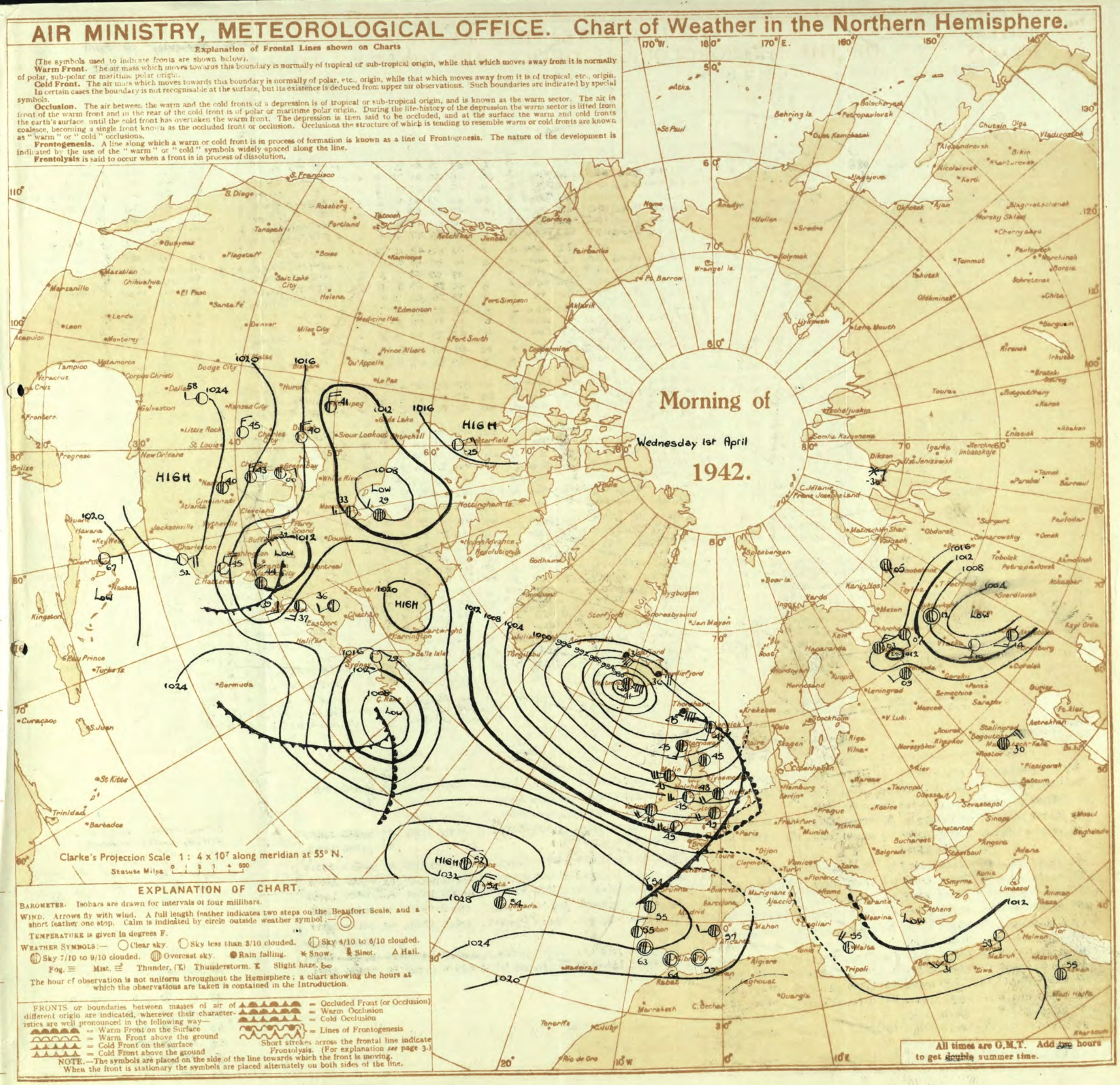
Forecasts issued at 10·30h.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Wednesday 1st April 1942

No. 29349

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)	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	06.1	+4	WSW	4	c	49	85	46	7	6	3	-	7-8	7-8	1800
	S. Farnborough	226	06.6	+6	WSW	5	z	49	92	47	6	8	4	-	2-3	4-6	1000
	Boscombe Down	417															
	Thorney Island	10	07.7	+4	W'S	4	c	48	97	47	7	5	-	-	10	10	500
	Lympne	283	08.0	+2	SW	4	z₀	47	97	47	5	5	-	-	10	10	200
	Manston	154	06.4	+4	SW	3	z₀	48	92	46	6	5	-	-	10	10	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04.6	-2	SW	3	z	46	92	44	6	5	7	-	2-3	4-6	2500
	Gorleston	5	03.9	-2	W'S	3	z₀	50	92	47	6	5	-	-	9+	9+	1500
	Mildenhall	15	03.5	+6	SW'W	5	bc	49	92	47	7	-	3	-	0	4-6	-
	Cranwell	203	01.9	+14	SW'W	4	z₀	49	92	46	6	5	-	-	9	9	2800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04.6	+10	SW	5	bc	47	85	43	8	5	-	-	4-6	4-6	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07.7	+20	W	4	bc	46	92	43	7	3	-	-	4-6	4-6	2500
	Bristol	209	06.7	+6	W	6	c	49	85	45	8	5	-	-	9+	9+	1500
	Portland Bill	32	08.3	+6	S	4	bc	46	92	44	8	2	-	-	4-6	4-6	4000
	Plymouth	82	09.7	+14	W'S	5	c	50	85	47	7	5	1	-	7-8	10	1500
	The Lizard	240	11.0	+16	W'S	5	bc	47	97	47	8	8	-	-	4-6	4-6	200
	Scilly (St. Mary's)	163	10.5	+18	W	5	b	49	92	48	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	06.9	+24	W	5	b	46	92	46	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	02.6	+16	W'S	5	bc/pr	45	92	42	9	8	6	9	1	2-3	2000
	Chester (Sealand)	16	02.6	+14	W	3	pr	49	75	42	6	9	-	-	10	10	1800
8	Manchester	235	01.3	+6	SW	3	z	47	85	44	6	-	9	-	0	7-8	-
10	Spurn Head	29	00.3	+8	WSW	4	c	48	92	46	7	7	3	1	4-6	7-8	2500
	Catterick	175	99.4	+10	SW'W	2	b	46	85	41	7	4	6	-	Tr	1	1500
	Tynemouth	108	97.8	+14	W	3	bc	47	85	42	7	2	3	-	2-3	4-6	2500
11	St. Abbs Head	280	94.5	+16	W	5	bc	46	85	43	6	4	4	-	2-3	4-6	1500
	Leuchars	36	94.2	+16	WSW	3	c	45	85	41	7	5	3	8	4-6	7-8	2200
12	Renfrew (Abbots I.)	19	96.4	+10	SW'W	3	c	46	85	41	7	8	-	-	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	00.1	+14	WNW	6	rr	45	85	40	8	8	2	-	9	10	1500
13A	Tiree	22	94.8	+8	SW'W	3	c/pr	44	75	36	7	8	-	-	7-8	7-8	1500
13B	Stornoway	80	90.4	+14	SSW	3	c	45	85	42	8	5	7	2	4-6	9	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	92.8	+14	W	2	c	45	75	38	9	-	7	-	0	10	-
	Wick	114	90.3	+14	SW	3	c	41	85	38	8	5	3	-	4-6	7-8	3500
16	Sumburgh	19	87.9	-2	SSW	1	m	42	97	42	4	5	7	-	7-8	9+	500
17	Blacksod Point	18	00.1	+10	W'N	6	bc	43	75	36	7	8	-	-	4-6	4-6	1500
18	Malin Head	84	96.1	+2	W	5	c	43	75	36	8	2	6	-	2-3	7-8	4000
	Aldergrove	268	99.7	+14	SW	4	b	42	85	38	8	7	6	-	1	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06.3	+2	SW'W	4	c	46	65	36	8	2	-	-	7-8	7-8	4000
	Roches Point	22	07.2	+18	W'S	4	bc	45	85	41	8	5	-	-	2-3	2-3	2500

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)	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)	10.0	+32	W	3	z₀	47	75	41	6	1	-	-	Tr	Tr	1500	1	*
Croydon	09.7	+26	W	3	bc	45	85	41	7	5	-	-	4-6	4-6	800	1	*
S. Farnborough	10.2	+26	W	4	b	46	85	42	9	2	-	-	1	1	1000	1	*
Boscombe Down	11.0	+20	WSW	3	bc	43	92	42	8	2	-	-	4-6	4-6	1600	1	*
Thorney Island	10.9	+20	W	3	b	47	85	44	7	8	-	1	Tr	Tr	2500	1	*
Lympne	10.7	+22	W	3	bc	45	97	44	8	5	-	-	4-6	4-6	1500	1	4
Manston	08.7	+22	WSW	3	b	48	85	42	7	5	-	-	Tr	Tr	2000	1	*
Shoeburyness	09.2	+22	W'N	3	b	48	85	43	6	-	-	-	0	0	-	1	*
Felixstowe	07.5	+22	W'N	4	c	48	85	43	8	5	-	-	9+	9+	2500	1	4
Gorleston	05.3	+14	NW	4	c	48	85	43	7	8	4	-	4-6	7-8	1000	1	3
Mildenhall	07.1	+30	W'S	4	b	46	85	43	8	5	-	-	Tr	Tr	2000	1	*
Cranwell	05.9	+30	W	4	b	43	75	36	7	1	-	-	Tr	Tr	2000	1	*
Birmingham	07.8	+16	WSW	2	b	43	65	33	7	-	-	-	0	0	-	1	*
Upper Heyford	09.0	+6	WSW	3	b	42	85	37	8	-	-	-	0	0	-	1	*
Ross-on-Wye	08.4	+12	SW	3	b	43	75	37	8	2	-	-	1	1	3000	1	*
Hartland Point	09.6	+2	W	4	bc	46	75	39	8	2	4	1	1	4-6	2700	1	4
Bristol	10.2	+14	W	4	b	45	85	42	7	2	4	-	Tr	Tr	2500	1	*
Portland Bill																	
Plymouth	12.6	+18	W'N	5	bc	47	92	45	8	7	-	-	2-3	2-3	3000	1	4
The Lizard	13.0	+14	WSW	5	bc	47	92	45	8	8	6	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	11.6	+2	WSW	5	bc	49	85	43	8	5	-	-	4-6	4-6	1200	1	4
Guernsey																	
Pembroke	07.6	-4	SW	7	bcq	45	85	40	8	2	-	-	2-3	2-3	3000	1	5
Holyhead (Valley)	04.1	-2	SSW	5	c	44	85	40	9	2	7	3	4-6	9	2000	1	4
Chester (Sealand)	05.3	+6	E	3	bc	43	65	33	7	1	4	3	Tr	4-6	3000	1	*
Manchester	06.3	+22	SSW	3	b	40	85	36	8	-	4	-	0	1	-	1	*
Spurn Head	03.8	*	W	4	b	44	85	41	7	-	-	-	0	0	-	1	4
Catterick	01.1	+2	WSW	4	b	42	65	32	8	2	-	-	Tr	Tr	2500	1	*
Tynemouth	00.6	-18	W	4	z₀	42	85	33	6	-	4	-	0	2-3	-	1	3
St. Abbs Head	97.0	+10	SW'W	5	bc	39	97	39	8	4	4	-	2-3	4-6	2000	1	3
Leuchars	95.8	+6	WSW	5	bc	40	85	35	8	9	-	-	4-6	4-6	2200	1	*
Renfrew (Abbots I.)	98.5	+10	WSW	4	r₀r₀	40	85	36	8	5	2	-	9	9+	1800	1	*
Eskdalemuir	99.8	+14	SW	5	bc	36	85	32	8	5	-	-	4-6	4-6	1700	1	*
Point of Ayre	01.7	+6	WSW	4	c	41	85	36	8	5	7	-	2-3	9+	4000	1	4
Tiree	96.9	+12	W'S	5	PR	41	92	39	7	8	-	-	9	9	1200	1	5
Stornoway	89.0	0	S	5	o	43	92	41	8	5	7	6	2-3	7-8	2500	1	2
Dalwhinnie	95.3	+2	SW	3	bc	35	92	32	8	8	-	-	2-3	2-3	2500	1	*
Aberdeen †	93.8	+10	W'S	2	c/r	44	65	34	8	6	3	-	9	9+	1100	1	
Wick	91.6	+10	WSW	3	bc	41	75	35	9	5	7	1	2-3	4-6	4000	1	*
Sumburgh	88.7	+10	W'N	4	c	44	92	42	7	5	7	2	2-3	9	2500	1	
Blacksod Point	96.5	-1.0	W	6	c/phr	42	75	35	8	9	-	-	9+	9+	8--	*	5
Malin Head	96.1	-6	SSW	4	c	41	75	34	8	8	-	-	7-8	7-8	2500	1	3
Aldergrove	99.2	-12	S'E	2	c	39	85	34	8	5	2	-	4-6	10	4500	1	*
Birr Castle	01.7	-8	WNW	4	c	40	85	36	8	8	7	-	7-8	9	800	1	*
Valentia Obsy.	04.8	+8	W'S	6	bc/phr	45	65	35	8	3	-	-	4-6	4-6	2500	1	6
Roches Point	05.4	-4	W	5	bc/pr	43	85	39	8	8	-	3	4-6	4-6	1500	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 31st Hrs. (38)
London (Kew)	52	46	41	1	-	0.0
Croydon	52	45	40	1	0.3	0.0
S. Farnborough	52	45	41	1	Tr	0.0
Boscombe Down	52	42	38	1	Tr	0.0
Thorney Island	51		41	3	-	*
Lympne	49	44	41	5	1	0.0
Manston	52	46	42	2	0.1	0.0
Shoeburyness	55	46	41	2	-	0.0
Felixstowe	52	45	43	3	-	0.0
Gorleston	55	46	41	3	-	0.0
Mildenhall	56	45	40	2	Tr	0.0
Cranwell	56	43	40	3	1	0.0
Birmingham	54	41	37	5	-	0.4
Upper Heyford	53	42	37	0.4	-	*
Ross-on-Wye	54	42	34	3	-	0.0
Hartland Point	51	45	44	6	Tr	0.0
Bristol	55	44	41	3	1	0.1
Portland Bill	48		*	2		*
Plymouth	51	46	42	2	Tr	0.6
The Lizard	52	46	*	3	-	0.1
Scilly (St. Mary's)	54	47	*	2	-	1.7
Guernsey						
Pembroke	51	39	*	7	-	0.0
Holyhead (Valley)	51	43	38	2	0.5	*
Chester (Sealand)	56	43	35	0.6	1	2.8
Manchester	55	40	34	4	1	*
Spurn Head	55	43	*	2	1	0.3
Catterick	56	41	34	1	Tr	1.6
Tynemouth	59	42	38	0.3	0.1	*
St. Abbs Head	57	39	*	0.3	2	
Leuchars	57	39	36	7	1	0.5
Renfrew (Abbots I.)	56	38	36	2	2	0.6
Eskdalemuir	48	36	35	15	3	0.0
Point of Ayre	58	39	*	4	1	1.9
Tiree	52	40	*	2	3	2.7
Stornoway	49	42	*	1	0.6	0.8
Dalwhinnie	48	34	33	8	4	0.8
Aberdeen †	49	41	32	3	Tr	0.0
Wick	51	39	34	5	-	*
Sumburgh	44	42	37	13	2	0.0
Blacksod Point	54	38	*	0.4	6	*
Malin Head	55	39		0.3	2	0.0
Aldergrove	58	36	34	4	0.3	3.2
Birr Castle	58	37	34	9	4	5.3
Valentia Obsy.	55	41	39	7	4	
Roches Point	56	42	*	0.4	3	*

† 01h obs from Dyce

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 31st March 18h. G.M.T. — 01h. G.M.T. 1st April 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	62	01527	47468	57	05534	15225	57	02854	22686	09	00890	21413
115	54	02844	16365	52	62735	20488	51	02844	53467	54	25844	20585
203	--	58957	22455	6-	81828	16588	5-	02848	16528			
206	8-	02955	20226	87	81855	18425	86	02964	22225	47	01964	22315
210	63	00183	05204	46	01364	20385	03	02990	20316	83	02964	20316
220				80	82737	23487						
230	87	23087	81746	8-	81647	53487	87	25845	53488	86	81746	53487
245	52	05624	14268	97	81756	22487	07	02890	24225	88	01944	24314
260	52	02755	20366	8-	81646	21587	83	81755	20315	8-	81754	20484
278	97	82745	19427	86	02943	23395	5-	25858	22488	87	02855	20317
279	67	62843	16467	37	85755	52785	54	01852	21514	74	01753	20504
285	02	63528	22568	3-	82627	22687				10	01853	28503
288	53	61737	54468	56	01864	20364	50	01773	20313	10	00851	22481
575	83	81846	53487	87	81846	24387	3-	02845	22485	5-	61748	16268
301	02	62634	19468	33	10855	19466	23	25755	22487	13	02761	22586
321	62	62633	18468	17	02751	20366	50	02746	22326	50	05661	23381
299	8-	05645	20325	87	22644	20365				40	01752	24402
292	57	61544	19328	87	81554	54465	50	01853	20283	30	00861	55381
310				--	01636	24516				--	01643	24413
614	62	62536	53468	53	05653	53325	53	05655	2247	00	05690	24400
333	59	22784	18467	87	25655	20586	06	25890	56484	86	01861	16214
334	--	66547	26368	--	03446	26227						
340	52	62844	18468	24	02844	22566	5-	02747	22427			
136	6-	62626	18468	62	61637	20568	07	01790	21525	20	00853	23583
336	62	62636	20468							24	01752	24513
350	52	61725	51468	07	22790	22465	50	05643	53523	00	00990	23310
368	62	62646	21468	62	02636	54568	54	05613	55524	23	01753	25513
379	02	05618	18568	93	02724	20666	23	02758	53518	20	00851	20401
390	52	57326	18458	52	57326	52568	5-	08447	55457	50	00752	57512
39[illegible]	5-	62838	52568	87	52864	21325	80	25853	55483	04	00890	21301
438										--	46009	24649
430	5-	62518	20568	62	22527	20468	5-	05528	54448	50	05652	22412
409	62	51617	53668	52	05626	21558	03	05690	19425	24	02856	22516

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of ......
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	romoiroro	rodiroc	cmocbmow
Croydon	roromodo	cmodoro	cmodorocbc
Greenwich	c	ciro	cb
Camden Square	c	c	*
Kensington	cpor	bc	*
Hampstead	od	or	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.1 Time 10-23h 31st; Min. <0.1 Time 0-5h 1st

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	52	46	41	1	-	0.0	*	*
Croydon	52	45	40	1	0.3	0.0	*	*
Greenwich	53	46	39	0.3	-	0.0	89	61
Westminster	54	47	41	0.3		*	93	69
Regents Park	54	47	43	0.3	-	*	79	63
Camden Square	54	46	39	0.5	-	*	*	61
Kensington	54	47	43	0.7	0.1	*	95	61
Hampstead	52	44	41	1.1	-	*	*	66

SECRET

Page 1 BRITISH SECTION

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

Thursday 2nd April 1942

No. 29351

OBSERVATIONS at 13h. G.M.T. 1st April 1942

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)	18·9	-12	SW'W	4	bc/pr	48	75	39	7	8	-	3	2-3	2-3	1500
	Croydon	09·8	-4	WSW	5	pro	47	85	43	6	9	-	-	9+	9+	600
	S. Farnborough	09·8	-2	W'S	5	bc/pr	48	85	43	9	3	3	-	2-3	4-6	2000
	Boscombe Down	10·1	-6	W'S	6	bc	50	85	43	9	2	-	-	4-6	4-6	1600
	Thorney Island	11·1	-8	WSW	6	c/pr	52	75	44	7	2	6	-	4-6	7-8	1500
	Lympne	11·3	-6	WSW	4	bc	51	75	42	8	2	-	-	4-6	4-6	3000
	Manston	09·0	-12	SW'W	7	bc	55	48	45	8	2	-	-	2-3	2-3	2500
2	Shoeburyness	08·7	-14	SSW	5	pro	55	85	51	8	8	-	-	7-8	7-8	2500
	Felixstowe	07·4	-14	SW	5	c	50	55	46	8	7	-	-	7-8	7-8	2500
	Gorleston	05·8	-14	WSW	4	bc	53	55	38	7	7	-	-	4-6	4-6	2500
	Mildenhall	06·1	-8	SW	6	c/pr	49	85	45	8	8	-	-	4-6	7-8	1500
	Cranwell	03·6	-22	SW'W	6	bc/rs	48	75	40	7	2	-	3	1	2-3	2000
3	Birmingham	05·2	0	SW	5	bc	48	55	34	9	8	-	-	7-8	7-8	2500
	Upper Heyford	06·9	-8	W'S	4	bc/pr	48	75	39	7	2	-	-	4-6	4-6	1500
4	Ross-on-Wye	07·8	+6	W	5	pro	46	75	37	8	8	-	-	9	9	3000
5	Hartland Point	10·6	+10	WNW	5	c	48	65	35	7	3	2	6	2-3	7-8	1500
	Bristol	10·5	+12	W'S	6	bc	47	75	38	8	8	-	4	2-3	4-6	2500
	Portland Bill	12·4	+6	W	4	c	47	92	45	8	2	-	-	7-8	7-8	4000
	Plymouth	13·4	+8	W	7	c	50	75	42	8	8	-	-	9+	9+	2500
	The Lizard	16·8	+12	WSW	7	bc	51	75	42	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	14·3	+14	W'N	7	c	51	65	37	8	4	4	3	4-6	9	1200
	Guernsey															
6	Pembroke	07·5	-6	W'S	8	phr	48	85	44	8	2	6	-	2-3	4-6	3000
7	Holyhead (Valley)	02·2	+2	WSW	7	pro	43	85	37	7	9	4	-	7-8	9	600
	Chester (Sealand)	02·5	-10	SW	5	u	52	55	33	8	2	-	-	2-3	2-3	2500
8	Manchester	02·6	-6	SW'W	6	c/ph	48	65	36	9	3	-	3	4-6	7-8	3000
10	Spurn Head	02·4	-4	WSW	5	c	43	92	38	7	8	6	-	7-8	9	2500
	Catterick	00·0	-4	WSW	5	prn	46	75	38	6	2	-	-	10	10	900
	Tynemouth	98·8	-6	SW	4	c	49	75	41	7	8	-	-	9+	9+	2000
11	St. Abbs Head	95·6	-10	SW	6	c	46	97	46	8	5	7	-	4-6	7-8	2500
	Leuchars	94·3	-14	W	4	bc	49	55	32	8	2	6	3	4-6	4-6	3500
12	Renfrew (Abbots I.)	97·1	-6	SW'W	4	c	44	75	37	9	9	-	2	9	9+	1800
	Eskdalemuir	96·5	-34	S'W	4	rs	38	85	34	6	5	-	-	10	10	300
	Point of Ayre	98·3	-4	W'S	7	bc	49	75	40	8	3	-	6	2-3	2-3	2500
13A	Tiree	97·4	+10	WSW	3	bc	46	75	39	8	8	-	-	4-6	4-6	2100
13B	Stornoway	92·9	+24	W	1	pro	45	92	43	8	5	7	-	4-6	7-8	2500
15	Dalwhinnie	94·4	-4	SW	4	c	45	65	34	8	8	-	-	7-8	7-8	2500
	Aberdeen	93·0	-4	W'S	3	bc	52	55	34	8	1	-	3	1	2-3	3200
	Wick	91·8	+2	W	2	pro	48	75	39	9	2	-	1	7-8	9+	2000
16	Sumburgh	89·9	+2	W	5	c	47	85	43	8	8	3	-	7-8	9+	2500
17	Blacksod Point	00·0	+34	W	7	c	46	85	42	8	8	-	-	9	9	2500
18	Malin Head	97·3	+12	W	3	c	44	65	33	8	8	-	2	4-6	7-8	5700
	Aldergrove	98·2	+2	NW'W	3	pro	42	75	34	9	3	2	3	4-6	9+	2500
19	Birr Castle	02·4	+12	W	4	c	47	75	39	8	8	-	-	7-8	7-8	800
20	Valentia Obsy.	09·8	+34	W'S	7	bc/pr	48	75	40	8	2	-	-	4-6	4-6	2500
	Roches Point	08·1	+12	W'N	7	bc	49	55	34	8	3	-	3	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 1st April 1942 — 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. 1st (39)	Weather 12h.–18h. 1st (40)	Weather 18h. 1st to 1h. 2nd (41)	Weather 1h.–7h. 2nd. (42)
London (Kew)	08·2	-6	WSW	5	bc/pr	47	55	34	7	8	-	-	2-3	4-6	2500	1	*	qprbc	bepro bey	bez	bez.
Croydon	09·0	-2	WSW	5	pro	47	85	42	7	9	6	-	7-8	7-8	1800	1	*	bccpr	bccpr₀.	cpr₀b,c	c,b
S. Farnborough	09·5	+6	W	4	bc/pr	46	65	35	8	8	-	-	4-6	4-6	2000	1	*	bcvprPRq	cPRbc	bcc,b,c	cbbe
Boscombe Down	10·3	+2	W	6	c	47	65	33	8	8	-	-	7-8	7-8	2000	1	*	bcprq	bcpr	bcpr₀q	bc
Thorney Island	11·3	+2	WSW	5	bc	48	65	36	8	2	4	8	2-3	2-3	1300	1	*	mocpr₀c	cyber	bcb	bpcc
Lympne	10·2	-4	WSW	5	bc/pr	45	75	38	7	3	6	3	2-3	4-6	2500	1	5	cbc	bcpr	bcbc	cb
Manston	08·1	-2	SW'W	5	bc	47	75	40	7	2	6	3	4-6	7-8	3000	1	*	bbcby	PRbc	bbcc	obc
Shoeburyness	08·1	-6	WSW	5	bc	49	65	36	8	8	6	-	4-6	4-6	2700	1	*	bm₀bc	Kqtlcprc		bc
Felixstowe	03·9	-4	W'S	6	c	50	45	32	8	8	-	-	7-8	7-8	1200	1	5	bybcy	tlrqcy	cypr₀bcc	cbcb
Gorleston	03·9	-10	W'N	5	bc	51	45	37	7	1	-	-	4-6	4-6	3000	0	3	cbc	bcy	cqc	cbccq
Mildenhall	03·9	-10	SW	6	bc	49	65	39	8	3	-	-	2-3	2-3	2500	0	*	cbccpr₀q	bc	bcpr₀cbc	bc,b,cb
Cranwell	01·4	-10	WSW	6	c	46	65	36	8	9	6	3	7-8	7-8	1800	1	*	bccm₀irrsbc	ersbc	cpr₀cbbc	bcm₀b
Birmingham	04·1	0	WSW	5	bc	43	75	37	8	8	-	-	4-6	4-6	2500	1	*	bPRbc	bcpr	cPRhr	cb
Upper Heyford	05·4	-4	WSW	6	cjp	46	65	33	8	8	-	-	4-6	7-8	1000	1	*	bcpr	bccpr₀	cpbcc	bcb
Ross-on-Wye	07·0	0	W	6	bcq	48	55	31	8	8	-	3	1	2-3	3000	1	*	bbcPbc	bcqpo	fogbc	bcc
Hartland Point	11·2	+4	WNW	6	bc	46	65	36	7	2	4	-	1	2-3	2500	1	5	tphrc	cpbcq	bcph₀	bc
Bristol	10·2	+2	W	7	bc	46	75	37	7	8	6	-	2-3	4-6	2500	1	*	cbcpr	bcpr₀	c,bbcc.	cbc
Portland Bill	12·5	-2	W	4	c	46	92	44	8	5	7	-	4-6	9	4000	1	5	bcc	cprc	b	bbc
Plymouth	14·4	+2	WSW	6	c	48	65	36	7	7	-	-	7-8	7-8	2000	0	5	cpr₀c	cpr₀bc	cpr₀bv	b
The Lizard	15·8	+5	WSW	7	c	48	75	41	8	8	6	-	7-8	7-8	2500	0	5	rrbcq	cbcc	cpr	prcbc
Scilly (St. Mary's)	15·8	+10	W'N	7	cjp	49	65	34	8	8	6	2	1	9+	1500	1	5	prqbcb	cbpbcc	bccpbo	bcc
Guernsey																					
Pembroke	08·9	+12	NW'N	4	PR	46	75	39	7	2	4		2-3	4-6	2500	1	5	cbqphr	cqPR	bbcq	bcq
Holyhead (Valley)	02·6	+16	W	7	c	45	75	38	8	9	6	3	4-6	7-8	1500	1	5	cpr₀bc	bcc	cpr₀bc	cbbc
Chester (Sealand)	02·7	+8	WSW	4	c	48	55	33	8	8	-	6	4-6	7-8	2000	1	*	bccprq	cpr	prbcq	bbcq
Manchester	02·1	0	W	5	c/pr	44	75	36	8	3	6	3	7-8	9	2500	1	*	PHrq	qPRpr	cbc	bccbc
Spurn Head	99·4	-20	W'N	6	c/TLR	48	97	47	7	9	6	-	4-6	7-8	2500	1	4	cH	cHtlq	b	bcq
Catterick	98·8	+10	W'S	3	c	44	65	34	8	3	6	3	2-3	9+	1500	1	*	cpr.	bcprc	cbcbp	c
Tynemouth	97·5	0	W	5	c/pr	41	85	36	7	8	-	-	9	9	1700	1	3	bcc	cp	cq	cbcq
St. Abbs Head	95·2	+4	W	4	bc	45	85	40	8	8	4	-	4-6	4-6	3000	0	3	bcc	cbc	bccr₀c	cr₀c
Leuchars	94·6	+4	W	5	c	42	75	37	8	5	6	-	7-8	9	2500	0	*	bccbcy	bcyc	ccpr₀c	cbc
Renfrew (Abbots I.)	98·2	+10	W'N	4	c	44	75	36	8	9	6	3	4-6	7-8	1400	1	*	r₀r₀bcc	cprcbc	bcc	cbcby
Eskdalemuir	97·7	+12	W'N	2	bc	41	75	33	8	5	-	1	4-6	4-6	2200	1	*	bccr₀s₀	cr₀s₀bc	bcc	cbcb
Point of Ayre	00·4	+14	NNW	6	c/pr	41	92	39	8	6	6	-	7-8	9	1000	1	4	PRcbc	bcprs	cbc	bcb.
Tiree	00·2	+10	NNW	4	bc	46	75	35	8	8	-	-	4-6	4-6	2500	0	5	bc	bc	bc	bc
Stornoway	97·2	+15	WNW	5	c	44	92	42	7	5	7	8	4-6	9	2000	1	3	cpr	crrRR	cpr₀bc	cpr₀rpR
Dalwhinnie	96·0	+10	SW	4	o	37	85	34	7	5	2	-	9	10	2500	1	*	bcpr₀c	cprso	*	oprsbc
Aberdeen	92·9	0	W'N	4	bc	48	65	35	7	8	-	9	2-3	2-3	2900	1	2	cir₀by	bbcy	bccir₀	cir₀
Wick	92·2	+10	NW'N	3	c	44	85	39	8	8	-	4	4-6	9+	2500	1	*	ccpsr	cpr₀c	cpr₀morr	rrmcir₀c
Sumburgh	90·1	+10	NE	4	c	40	92	38	8	5	-	-	10	10	1200	1	4	c	cir₀c	fair₀cpr₀	pr₀cps₀
Blacksod Point	07·1	+34	WNW	6	PR	43	85	40	8	9	-	-	10	10	1500	2	5	pr	pr	pr	bc
Malin Head	02·0	+32	N'E	5	pro	42	85	38	8	9	-	-	9	9	5700	1	3		o	c	c
Aldergrove	01·5	+22	NW	3	c	45	75	39	9	2	6	3	2-3	7-8	2500	1	*	r₀rir₀cpr₀	cpr	cbc	pr₀cbcbbc
Birr Castle	08·0	+44	WNW	5	pro	42	75	36	7	9	7	-	7-8	9	800	1	*	pr	pr	*	bc
Valentia Obsy.	14·0	+26	W	7	c/ph	46	65	35	8	3	-	-	7-8	7-8	2500	1	7	pr	pr	pr	bc
Roches Point	11·6	+26	WNW	6	bc	46	75	39	8	3	-	3	2-3	4-6	1500	1	5	qpr	pr	pr	b

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

Districts	Forecast
1 S.E. England ♠, 2 E. England ♠, 3 E. Midlands	Moderate or fresh west northwest wind decreasing and backing west southwest, fair apart from a few scattered showers, cool, local ground frost at night.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Moderate west northwest wind backing southwest and freshening, fair at first, cloud increasing with rain spreading from southwest later; becoming milder.
9 N. Midlands, 10 N.E. England ♠	As 0-3
11 S.E. Scotland	Strong squally northwest wind, becoming variable light. Bright periods and showers, rather cold
12 S.W. Scotland & Isle of Man, 13A W. Scotland	Fresh strong squally northwest wind backing south and decreasing. Showers and bright periods. cool.
13B N.W. Scotland	Fresh northwest to north wind, cloudy. rain at times, snow on high ground, cold
14 Mid Scotland	As 11
15 N.E. Scotland	Moderate or fresh north to northeast wind, mainly cloudy,
16 Orkneys and Shetlands	Snow or sleet showers, cold
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Light west to southwest wind, freshening, fair at first, rain spreading from south west later. Becoming milder.

GENERAL INFERENCE

Pressure is low over the northern North sea and a trough of low pressure is moving south over Scotland. A ridge of high pressure is spreading east over the British Isles, but a depression on the Atlantic will move northeast and affect our western districts tonight. There will be rain at times in Scotland with slight snow in the extreme north. It will be fair today in England and Wales apart from a few scattered showers, and the winds will moderate. Rain will reach southeast Ireland by evening, and will spread northeast. It will be cold in Scotland, and cool today in England with ground frost in the East tonight, but it will become milder.

FURTHER OUTLOOK

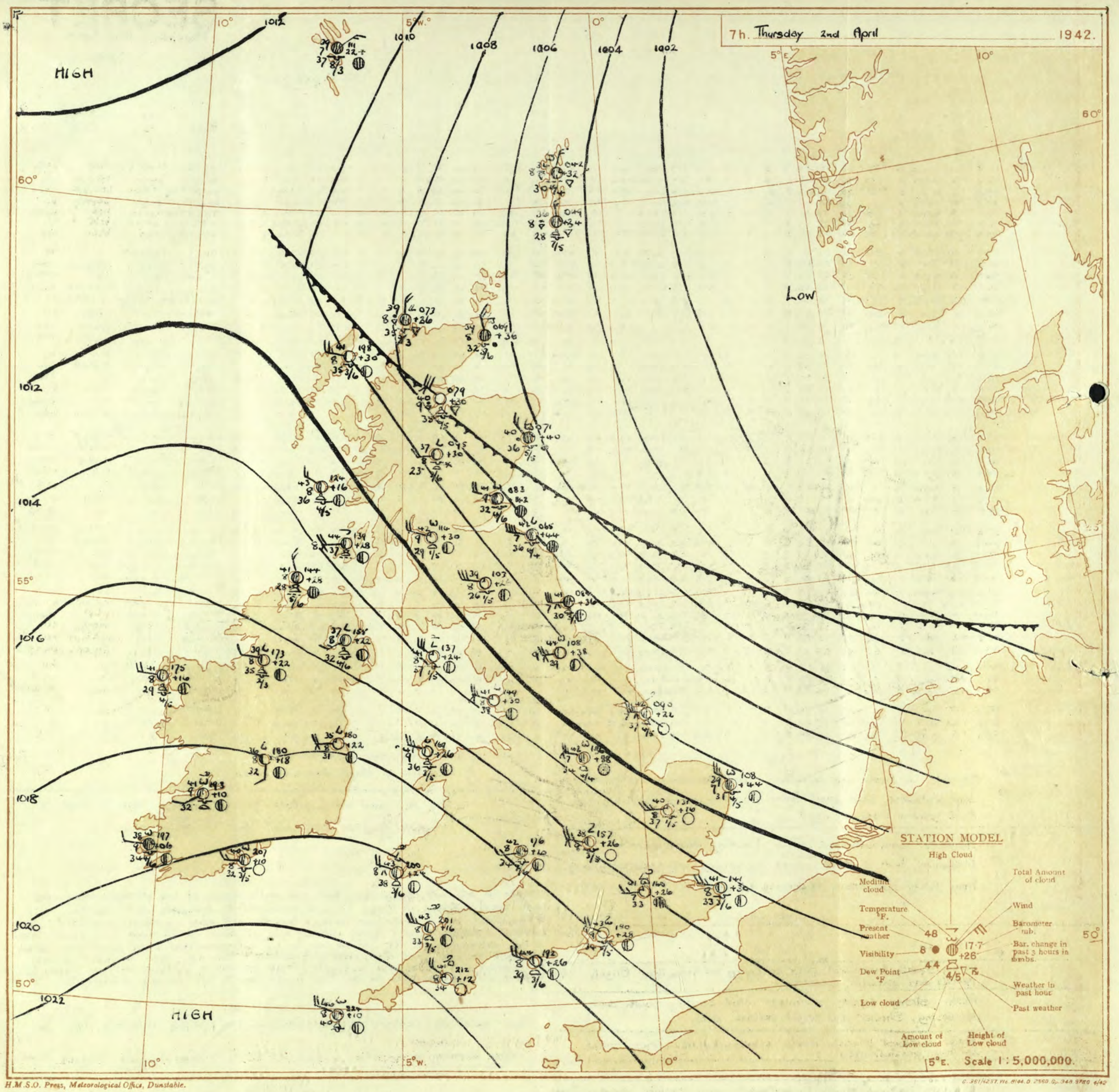
Rain spreading northeast to most districts, but probably remaining fair in extreme Southeast.

Gale warning in operation in districts 1, 2, 10 Issued at 0605h 2-4-42

Forecasts issued at 10·30 G.M.T.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

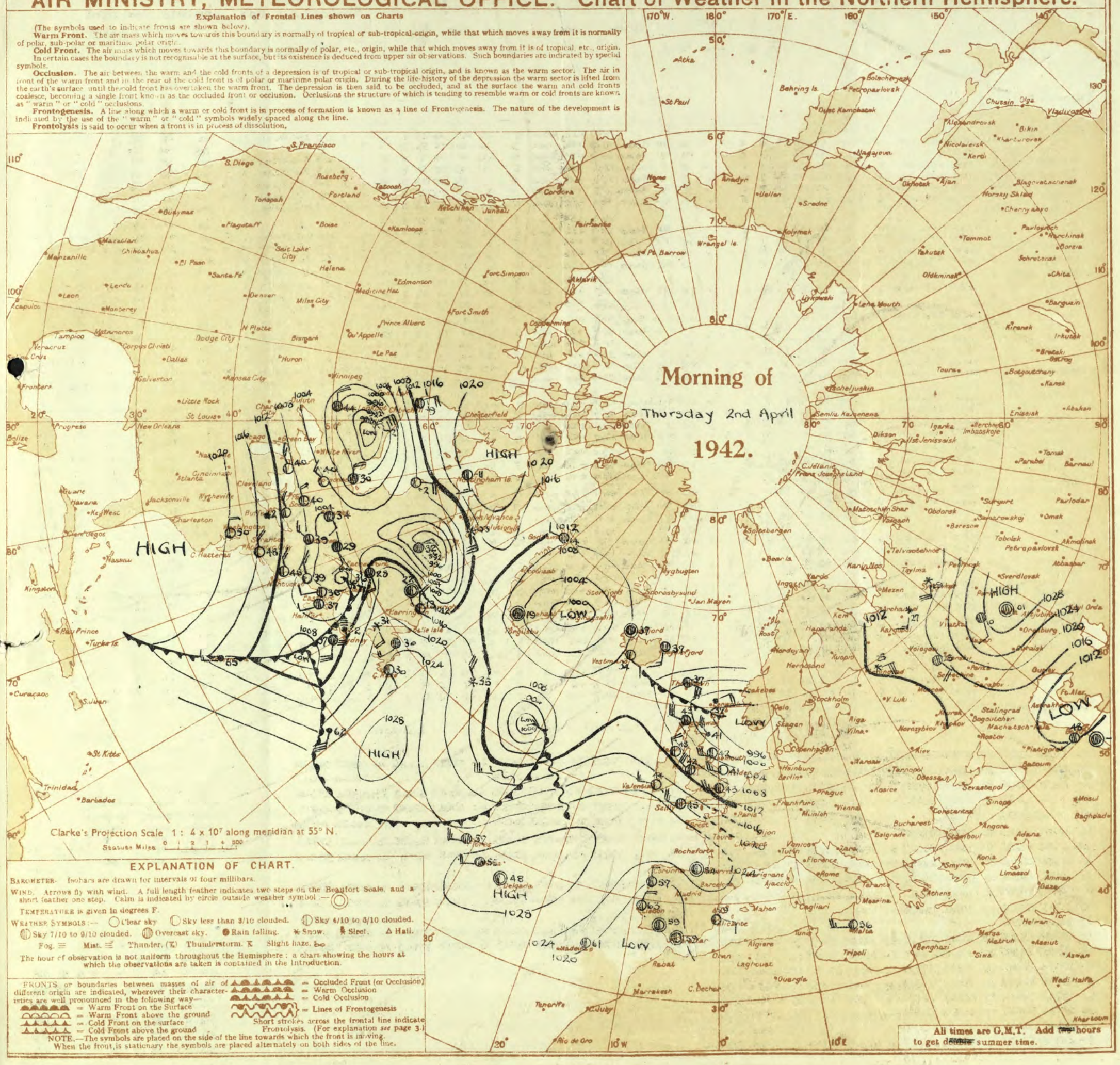
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (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 2nd April 1942

No. 29351

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon	290	10·4	+10	W	5	c	43	65	32	8	5	-	-	10	10	3000
	S. Farnborough	226	11·7	+14	W'N	6	c	42	75	34	9	8	-	-	9	9	1000
	Boscombe Down	417	13·6	+16	WN	6	b	41	75	32	8	1	-	-	1	1	2500
	Thorney Island	10	13·3	+14	W	4	b	42	75	35	7	5	-	-	1	1	4000
	Lympne	283	11·3	+6	W'S	5	c	42	75	34	8	5	-	-	9	9	4000
	Manston	154	09·0	+2	WSW	6	c	43	65	42	7	5	-	-	9+	9+	2800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	06·8	+6	W	6	c	44	75	36	7	8	-	-	9+	9+	3100
	Gorleston	5	04·9	+4	WNW	5	c	41	85	36	7	8	-	-	7-8	7-8	2500
	Mildenhall	15	06·5	+18	W	5	bc	41	92	39	8	7	-	-	2-3	2-3	1500
	Cranwell	203	05·6	+22	W'S	5	c	40	85	36	7	5	-	-	7-8	7-8	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·5	+18	W'N	6	c	41	75	32	8	5	-	-	7-8	7-8	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·7	+28	WNW	6	bc	44	65	34	7	2	-	-	4-6	4-6	2500
	Bristol	209	14·1	+22	W	7	c	42	75	33	8	7	-	-	7-8	7-8	4000
	Portland Bill	32	13·9	+4	SW	5	b	45	92	43	8	-	-	-	0	0	-
	Plymouth	82	18·7	+16	WNW	5	b	45	65	33	8	1	-	-	Tr	Tr	2500
	The Lizard	240	20·6	+14	W'N	6	PR	43	85	38	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	20·4	+14	NW'W	5	bc/pr	45	85	40	8	8	6	-	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	16·1	+36	WNW	6	bcq	43	85	38	7	1	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	11·3	+40	NW'W	6	c	42	85	35	8	2	6	-	7-8	7-8	2500
	Chester (Sealand)	16	10·0	+32	W	5	bq	42	85	36	7	4	-	3	Tr	1	4000
8	Manchester	235	08·2	+16	W'N	5	bc	41	85	37	7	4	6	-	1	4-6	4000
10	Spurn Head	29	02·6	+20	WNW	5	b	41	75	36	7	-	-	-	0	0	-
	Catterick	175	03·9	+30	SW	4	bc	42	75	33	8	5	-	-	4-6	4-6	4000
	Tynemouth	108	01·7	+36	W	6	eq	42	75	36	7	8	-	-	9	9	1500
11	St. Abbs Head	280	99·5	+40	WNW	7	c	43	85	38	7	6	2	-	4-6	10	1500
	Leuchars	36	00·1	+34	WNW	5	c	44	65	33	7	8	-	-	9+	9+	2500
12	Renfrew (Abbots I.)	19	05·4	+30	W	4	c	43	65	30	8	8	7	2	2-3	9	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·3	+30	NW'W	6	bc	42	85	38	8	4	-	5	2-3	2-3	3000
13A	Tiree	22	08·2	+40	NNW	4	bc	44	65	32	8	1	3	-	2-3	2-3	3500
13B	Stornoway	80	01·0	+4	WNW	6	c	43	85	39	8	5	3	-	2-3	7-8	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	97·7	+20	NW'W	7	PR	41	85	36	7	-	2	-	7-8	10	1000
	Wick	114	97·9	+42	NNW	5	pr	41	92	39	6	5	2	-	7-8	10	1500
16	Sumburgh	19	97·9	+44	NE'E	4	pr	37	65	28	8	8	-	-	10	10	2000
17	Blacksod Point	18	14·6	+26	WNW	6	c/pr	41	85	37	8	8	-	-	9	9	2500
18	Malin Head	84	09·3	+26	NNW	5	bc	45	55	30	8	2	-	-	2-3	2-3	5900
	Aldergrove	268	10·3	+30	W	3	bc	39	85	34	8	5	-	1	2-3	2-3	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·1	+18	WNW	3	b	44	65	33	9	1	-	-	1	1	2500
	Roches Point	22	18·4	+24	W'N	4	b	41	75	34	8	5	-	-	1	1	2500

† 0100 obs from Dyce

OBSERVATIONS at 7 hr. 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 (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 0–6 (31)	Sea 0–9 (32)
1	London (Kew)	16·1	+28	WSW	2	2o	42	75	33	6	5	-	1	2-3	2-3	4000	1	*
	Croydon	16·0	+26	W	3	b	41	75	33	7	-	7	1	0	Tr	-	1	*
	S. Farnborough	16·9	+24	WNW	4	bc	41	75	33	9	5	-	8	2-3	4-6	5700	1	*
	Boscombe Down	18·3	+20	W'N	5	c	40	75	34	8	5	-	8	2-3	7-8	2500	1	*
	Thorney Island	18·0	+28	WNW	4	c	43	75	34	9	5	-	9	7-8	9	2500	1	*
	Lympne	16·2	+30	W'N	5	b	41	75	34	8	5	-	-	Tr	Tr	4000	1	4
	Manston	14·1	+30	WNW	5	bc	41	75	33	8	5	-	-	2-3	2-3	3500	1	*
2	Shoeburyness	14·6	+34	W	5	b	44	75	35	7	-	-	-	0	0	-	1	*
	Felixstowe	12·8	+32	WNW	6	bc	42	75	35	8	5	-	-	2-3	2-3	4000	1	5
	Gorleston	10·8	+44	NW	5	c	39	75	31	7	5	3	-	4-6	7-8	2500	0	6
	Mildenhall	13·1	+36	W	5	b	40	85	37	8	5	-	-	Tr	Tr	2500	1	*
	Cranwell	12·3	+30	W'N	5	b	42	75	35	7	5	-	-	1	1	2500	0	*
3	Birmingham	16·3	+34	W	3	bc	39	85	35	6	1	-	1	Tr	2-3	1500	1	*
	Upper Heyford	15·7	+26	W'N	5	bc	38	92	33	8	5	-	6	2-3	2-3	2000	1	*
4	Ross-on-Wye	17·6	+20	W'S	2	c	42	75	34	8	4	-	-	9+	9+	2500	1	*
5	Hartland Point	20·1	+16	WNW	5	bc	43	65	33	8	1	-	5	2-3	4-6	2000	1	5
	Bristol	18·5	+22	W'N	5	bc	41	75	34	7	8	-	1	2-3	2-3	2500	1	*
	Portland Bill	19·2	+26	WNW	5	bc	44	85	39	8	1	-	-	2-3	2-3	4000	1	5
	Plymouth	21·2	+12	NW	4	b	41	75	34	8	-	3	1	0	1	-	0	3
	The Lizard	22·3	+14	WNW	4	bc	48	85	40	8	8	3	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	22·4	+10	NW'W	4	c	46	85	40	8	8	5	-	4-6	9	1500	1	5
	Guernsey																	
6	Pembroke	20·0	+24	WNW	4	bcq	43	85	38	8	2	4	2	2-3	4-6	3000	1	5
7	Holyhead (Valley)	16·9	+26	WNW	5	bc	41	85	36	9	8	4	9	2-3	2-3	2500	1	5
	Chester (Sealand)	15·6	+28	W	4	bcq	42	75	36	7	4	-	5	2-3	4-6	1500	1	*
8	Manchester	15·0	+48	NW	4	bc	40	85	37	6	5	3	-	4-6	4-6	1500	1	*
10	Spurn Head	09·0	+22	W'N	7	bcq	42	85	37	7	2	-	4	4-6	4-6	2500	1	4
	Catterick	10·8	+38	W	5	bc	44	55	29	9	-	3	-	0	2-3	-	0	*
	Tynemouth	08·4	+36	W	6	cq	41	65	30	7	2	-	1	2-3	4-6	1400	1	3
11	St. Abbs Head	06·5	+44	WNW	8	c	42	75	36	7	5	4	-	4-6	7-8	1500	1	4
	Leuchars	07·3	+42	WNW	4	c	41	65	32	9	5	3	-	4-6	7-8	3200	0	*
12	Renfrew (Abbots I.)	11·4	+30	WNW	4	b	42	55	29	9	1	3	-	Tr	1	3000	1	*
	Eskdalemuir	10·3	+26	WNW	6	b	39	55	26	8	5	-	-	Tr	Tr	2800	1	*
	Point of Ayre	13·7	+24	NW	6	b	41	65	37	6	4	4	5	Tr	1	2000	1	4
13A	Tiree	12·4	+16	NW	3	bc	43	75	36	8	8	-	-	4-6	4-6	2800	0	4
13B	Stornoway	10·6	+30	WNW	5	bc	41	85	35	8	5	-	-	2-3	2-3	3000	1	3
15	Dalwhinnie	09·5	+30	W	4	bc	37	55	23	8	7	4	-	2-3	2-3	4000	1	*
	Aberdeen †	07·1	+40	NW'N	3	ir	40	85	35	7	5	7	-	7-8	9+	2300	1	2
	Wick	06·9	+36	NNW	3	c	39	75	32	8	5	7	-	7-8	9	3500	1	*
16	Sumburgh	04·9	+34	N'W	3	ps	36	75	28	8	8	-	-	9+	9+	2500	1	4
17	Blacksod Point	17·5	+16	WNW	4	bc	41	65	30	8	8	-	-	4-6	4-6	2500	1	4
18	Malin Head	14·4	+28	NNW	3	c	41	75	34	8	9	-	-	7-8	7-8	4000	0	4
	Aldergrove	15·5	+22	WSW	3	bc	39	85	32	8	8	4	-	4-6	4-6	5000	1	*
19	Birr Castle	18·0	+18	S	2	bc	36	85	32	8	-	4	-	0	2-3	-	1	*
20	Valentia Obsy.	19·7	+6	NE'E	2	c	38	85	34	9	5	3	3	4-6	9+	4000	1	2
	Roches Point	20·7	+10	W	3	bc	40	75	33	8	5	3	-	2-3	4-6	2500	1	4

PAST 24 HOURS.

District	Stations	Temperature Max Day 7h–18h °F	Temperature Min Night 18h–7h °F	Temperature Min on Grass °F.	Rainfall Day 7h–18h mm.	Rainfall Night 18h–7h mm.	Sunshine 1st Hrs. (38)
1	London (Kew)	52	41	35	1	-	7·4
	Croydon	55	40	35	2	-	7·8
	S. Farnborough	55	39	35	2	-	6·4
	Boscombe Down	52	39	35	1	Tr	*
	Thorney Island	54	41	35	0·1	-	*
	Lympne	55	39	37	0·6	-	0·8
	Manston	56	40	36	2	-	8·9
2	Shoeburyness	58	41	34	1	-	9·6
	Felixstowe	55	41	38	0·6	0·4	9·4
	Gorleston	56	(39)	36	0·3	-	9·3
	Mildenhall	58	39	34	1	1	9·3
	Cranwell	52	39	36	2	Tr	8·7
3	Birmingham	51	38	33	4	7	6·3
	Upper Heyford	51	39	36	0·1	-	*
4	Ross-on-Wye	51	40	34	1	Tr	7·7
5	Hartland Point	48	42	39	2	Tr	6·1
	Bristol	53	40	36	2	Tr	8·4
	Portland Bill	48	43	*	0·2	-	*
	Plymouth	50	41	35	1	0·1	5·4
	The Lizard	51	42	*	1	1	7·8
	Scilly (St. Mary's)	51	43	*	2	0·6	7·0
	Guernsey						
6	Pembroke	48	32	*	2	Tr	5·9
7	Holyhead (Valley)	49	40	37	0·1	0·2	*
	Chester (Sealand)	52	39	37	1	1	5·6
8	Manchester	50	39	36	6	-	*
10	Spurn Head	50	41	*	4	0·5	5·9
	Catterick	48	40	34	1	-	7·4
	Tynemouth	51	40	37	1	-	*
11	St. Abbs Head	49	37	*	-	3	*
	Leuchars	51	41	38	-	Tr	8·2
12	Renfrew (Abbots I.)	47	40	33	0·4	-	6·8
	Eskdalemuir	46	38	34	0·2	-	2·8
	Point of Ayre	50	40	*	3	-	3·8
13A	Tiree	47	42	*	8	-	5·1
13B	Stornoway	49	40	*	5	Tr	5·4
15	Dalwhinnie	47	33		2	1	
	Aberdeen †	54	38	37	Tr	3	5·6
	Wick	50	38	33	2	2	*
16	Sumburgh	47	35	33	Tr	1	0·8
17	Blacksod Point	46	39	*	3	3	*
18	Malin Head	46	38		4	0·1	0·0
	Aldergrove	48	36	33	1	0·2	2·5
19	Birr Castle	47	33	30	2	0·2	4·8
20	Valentia Obsy.	49	37	31	1	Tr	
	Roches Point	50	39	*	0·6	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

12h. G.M.T. 1st April III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	20	02853	22315	87	02851	25415	52	22746	32603	5-	24867	30477
115	54	02844	20485	87	02844	28427	87	81834	95687	52	81835	32488
203	8-	81838	20528	8-	82838	28558	5-	02838	28528	70	01853	26423
206	86	10855	22485	8-	25846	26386	8-	81856	03583	8-	81956	61686
210	86	01963	55514				8-	22747	24587	5-	61748	28388
220	82	82747	26488	80	02855	27585				80	02856	27416
230	86	01954	53485	8-	10847	30387	86	02855	60526	84	01954	27414
245	20	01954	26514	56	10954	24486	8-	25844	61488	8-	81847	30387
260	90	02755	20486	80	02764	20425	5-	02758	20518	00	00890	20410
278	8-	25847	24487	96	10845	27486	4-	01854	25414	8-	01853	26403
279	87	81735	55388	97	25744	22485	46	01854	5451[illegible]			
285	37	83645	24586							10	00851	24611
288	93	25844	55626	56	61845	23526	53	02864	59517	13	00861	59512
575	96	27857	59587	96	25846	61497	5-	02855	26525	84	00832	26213
301	8-	27854	21684	26	01853	25584	[illegible]	01890	59683	04	00890	59511
321	9-	81738	89488	96	25647	22397	46	07841	58485	50	00761	59501
299	8-	02646	26366	87	01754	22415	50	01756	24516	57	01753	24514
292	34	25854	54485	34	01853	22485	56	01861	25484	24	00851	23311
310	--	01635	24515	--	03628	24528				--	03626	24523
614	9-	25735	87686	36	25754	55685	13	02753	59584	13	02744	59524

12h. G.M.T. 1st April III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	8-	81845	51685	3-	81847	24787	26	02945	26686	14	01853	26524
334				--	27644	28596				--	02644	24215
340	20	01953	56683	83	10845	55686	50	01943	53443	53	01954	27314
368	8-	81847	22587	3-	81857	21787	40	00852	25682	08	01890	26513
330	14	02753	20614	90	89636	28688				62	64626	28568
350	96	88855	53585	9-	10845	55685	80	81745	56685	50	01842	57583
368	24	01844	55684	83	01754	55684	24	02745	56715	20	00842	59513
379												
390	87	81755	22487	10	00753	57683	8-	05656	59618	00	00790	59510
38[illegible]	80	01954	57684	90	25864	56614	4-	25856	57486	54	01852	25414
428	57	02623	24626							04	14790	24713
430	83	25743	89585	80	01863	55613	80	00851	59511	5-	02866	57417
400	27	02754	55687	20	01753	55613	10	00743	57613	25	01851	26303

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd 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	qprbc	bcpr, bcy	bczbz,	Kew 24 hours ended 7h. Max. Temp. 17-18h on 1st. Min. Temp. <0·1 0-5h on 2nd.
Croydon	bccpr	bccpr,	cprjbc,b	
Greenwich	bcbbc	bcqjr,	bqcby	
Camden Square	bc	bc	*	
Kensington	bcpbc	bc	*	0·1
Hampstead	bcp	bc	bc	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew	52	41	35	1	-	7·4	*	*
Croydon	55	40	35	2	-	7·8	*	*
Greenwich	57	41	34	1	-	7·4	51	58
Westminster	56	42	36	1			57	64
Regents Park	56	41	38	1	-		51	59
Camden Square	56	41	35	2	-	*	*	58
Kensington	56	41	37	1	-		51	59
Hampstead	53	39	33	1	-		*	62

Page 1 BRITISH SECTION

SECRET

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

Friday 3rd April 1942

No. 29,352

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)	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)	18.8	+6	NNW	4	bc	51	45	28	8	8	-	6	2-3	4-6	2500
	Croydon	18.8	+6	NNW	3	bc	51	45	32	8	1	-	9	4-6	4-6	2400
	S. Farnborough	19.7	0	W	4	bc	53	45	31	9	1	-	5	4-6	4-6	4000
	Boscombe Down	20.3	+2	NNW	4	bc	50	55	31	8	2	-	1	2-3	4-6	3000
	Thorney Island	20.2	+6	WNW	4	bc	54	45	32	8	1	-	5	1	4-6	2500
	Lympne	19.9	+14	W	4	c	52	55	37	8	1	-	2	7-8	9	4000
	Manston	18.5	+14	WN	5	bc	52	45	32	7	2	6	1	2-3	2-3	3000
2	Shoeburyness	18.6	+8	W	4	bc	55	45	35	8	8	-	-	4-6	4-6	2700
	Felixstowe	17.3	+22	NNW	5	c	53	45	34	8	7	-	-	7-8	7-8	4000
	Gorleston	19.7	+20	NW	5	bc	54	45	37	7	1	-	-	4-6	4-6	3000
	Mildenhall	17.1	+18	WN	5	c	52	65	41	8	2	-	-	4-6	4-6	2500
	Cranwell	16.3	+10	WN	6	c	50	55	35	7	8	-	-	7-8	7-8	2000
3	Birmingham	17.7	+8	W	3	bc	48	45	29	8	8	-	-	4-6	4-6	4000
	Upper Heyford	18.3	+2	NW	4	bc	50	55	42	9	2	-	-	4-6	4-6	2000
4	Ross-on-Wye	19.1	0	W	4	bc	51	45	31	9	1	-	1	2-3	4-6	4000
5	Hartland Point	21.4	-2	WNW	4	bc	47	65	38	8	1	-	-	4-6	4-6	2500
	Bristol	20.9	+4	W	4	bc	51	55	37	8	1	4	-	2-3	4-6	2500
	Portland Bill	22.0	0	WSW	4	c	46	85	42	8	5	4	-	4-6	7-8	4000
	Plymouth	22.2	+2	W	4	c	52	55	38	8	1	-	6	4-6	7-8	3000
	The Lizard	23.9	+10	S	3	bc	52	75	43	8	8	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	22.1	-6	SSE	3	c	53	75	45	8	8	8	8	2-3	9+	1500
	Guernsey															
6	Pembroke	21.2	0	WSW	3	bc	47	75	40	8	2	3	2	2-3	4-6	3000
7	Holyhead (Valley)	18.0	0	W	5	bc	49	65	42	9	8	4	3	1	2-3	3000
	Chester (Sealand)	18.1	+8	NNW	4	bc	48	65	38	9	1	-	-	4-6	4-6	3000
8	Manchester	17.8	+10	W	4	c	45	75	38	6	2	-	-	7-8	7-8	2500
10	Spurn Head	15.5	0	WNW	6	bcq	49	75	40	7	1	3	-	4-6	4-6	4000
	Catterick	14.5	+8	WNW	5	bc	52	65	42	9	2	-	-	2-3	2-3	1500
	Tynemouth	13.1	+12	WNW	6	bcq	52	45	32	7	2	3	-	4-6	4-6	2600
11	St. Abbs Head	11.7	+22	NNW	2	bc	42	85	38	9	2	4	-	4-6	4-6	2500
	Leuchars	12.3	+18	NNW	5	c	50	45	28	8	2	-	3	4-6	7-8	3000
12	Renfrew (Abbots I.)	14.3	+10	WN	4	bcjp	50	55	32	9	3	6	-	2-3	2-3	2500
	Eskdalemuir	13.9	+14	WNW	4	c	48	45	29	8	8	4	-	7-8	7-8	2800
	Point of Ayre	16.8	+2	WNW	4	b	50	75	41	8	2	-	-	1	1	3000
13A	Tiree	14.4	0	NWW	2	bc	48	70	45	8	1	-	-	2-3	2-3	3500
13B	Stornoway	13.1	+2	NW	4	c/phr	45	85	40	8	2	6	-	7-8	9+	2500
15	Dalwhinnie	13.4	+14	WNW	4	bc	45	45	33	8	6	7	1	4-6	4-6	4000
	Aberdeen	12.2	+18	NW	3	c	43	65	34	8	8	-	9	9	9	2100
	Wick	11.6	+18	NNW	3	c	42	55	38	8	8	3	-	4-6	9+	2000
16	Sumburgh	09.4	+26	NNW	4	c/phr	35	92	33	8	9	-	-	9	9	1500
17	Blacksod Point	15.1	+16	S	4	bc	48	65	34	8	8	-	5	2-3	4-6	4000
18	Malin Head	15.3	+2	WN	3	bc	47	55	32	9	8	-	3	2-3	2-3	4000
	Aldergrove	16.4	0	SW	3	bc	51	45	29	9	2	-	5	4-6	4-6	3000
19	Birr Castle	17.5	-10	SSW	2	bc	52	55	37	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	16.0	-22	SSE	5	ir	51	85	47	7	5	2	-	9	10	1500
	Roches Point	18.8	-14	S	4	c	50	75	43	8	8	1	5	4-6	9	2500

OBSERVATIONS at 18h. G.M.T. 2nd 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. 2nd (39)	12h.–18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.–7h. 3rd (42)
London (Kew)	18.8	0	WS	3	z	51	45	37	6	5	-	7	2-3	9+	2500	1	*	bc	bcbcz	bcz	bccbz
Croydon	18.6	0	WSW	2	c	51	45	29	7	1	-	6	2-3	9+	2500	1	*	bcycy	bcycy	cycz	z ccm
S. Farnborough	19.2	+4	W	4	c	49	55	34	8	4	7	8	1	7-8	4000	1	*	cbcy	bcy ⊕	bcyc	c
Boscombe Down	19.8	-4	WN	4	c	48	45	28	8	4	7	6	Tr	7-8	4500	0	*	bc	bcycy	c	cir m
Thorney Island	19.8	0	WSW	3	c	47	65	36	8	-	3	8	0	9+	-	0	*	cbcy	bcycy	ccm	cm
Lympne	19.6	+2	WSW	3	c	46	75	37	8	4	-	6	4-6	9	5500	1	4	bbc	cbcybc	bccmw	cmwcm
Manston	18.4	+2	WN	2	z	49	55	34	6	4	6	6	4-6	7-8	3000	1	*	bcbzy	mb bcczy	bcczw	cmwz
Shoeburyness	18.6	+2	WNW	2	c	51	55	34	8	4	1	6	4-6	10	3200	1	*	bbcy	bcycy	cycb,c	fmc
Felixstowe	17.5	+4	WNW	3	c	51	55	35	7	4	-	6	4-6	7-8	4000	0	3	b,c	cybcy	bcybm cm	cm
Gorleston	17.0	+8	NNW	2	z	50	55	36	6	2	-	-	4-6	4-6	1500	0	1	cqy	bcycpr	bc	bcczo
Mildenhall	17.3	+4	WNW	2	c	49	75	43	8	8	-	6	7-8	7-8	2000	0	*	bc	bcc	bccm	ccir m
Cranwell	16.9	+4	NWW	3	z	47	65	35	6	4	-	6	Tr	9	3000	0	*	bcmzc	cbcy	cbcz cm	cm ir rm
Birmingham	17.9	+2	W	3	c	48	35	23	8	5	-	8	Tr	9	2500	1	*	bbc	bcc	c	pr c
Upper Heyford	18.2	0	WSW	4	c	49	45	29	9	4	7	6	4-6	7-8	3500	0	*	cy	cybcy	cyc	cm ir cm
Ross-on-Wye	18.8	0	WS	3	c	48	55	34	6	5	1	7	1	9+	3500	1	*	cbcry	bcrycy	c	c
Hartland Point	18.1	-14	SW	3	c	47	65	34	8	2	4	6	Tr	9	2500	0	4	bc	bcc	rcb	bcc
Bristol	20.9	-2	W	3	c	47	55	29	7	-	7	6	0	9+	-	0	*	bcy	bcycy	cbccy	cprbc
Portland Bill	19.6	-8	SW	4	c	45	85	40	8	5	-	-	7-8	7-8	4000	1	4	bcc	c	c	c
Plymouth	20.3	-14	SWW	3	bc	48	85	44	8	7	4	6	1	4-6	3000	0	4	bbcy	bccbc	cw	cw
The Lizard	20.2	-20	SSW	3	c	48	92	47	8	8	2	-	7-8	9+	600	0	4	bc	bcprc	cbc	bccw
Scilly (St. Mary's)	19.4	-16	SSW	4	c	50	92	47	8	8	4	5	4-6	7-8	1500	1	4	c	cbcc	c	c
Guernsey																					
Pembroke	18.8	-12	S	4	c	46	92	44	8	4	4	-	7-8	9+	3000	0	3	bc	bcc	cbcc	cq
Holyhead (Valley)	17.1	-10	SSW	4	c	45	75	36	8	2	7	7	Tr	10	3000	1	5	bcb	bbccy	cir	c
Chester (Sealand)	17.8	+2	NWN	2	c	45	65	36	7	4	7	7	2-3	9+	2500	0	*	bcq	bcc	crrm	crrm
Manchester	17.6	-2	WNW	3	bc	44	65	32	7	2	-	6	1	4-6	3500	1	*	bcm	bc	bccz	mor rr
Spurn Head	16.1	0	WN	4	bc	47	65	38	7	1	6	-	2-3	4-6	4000	0	3	bcq	bc	bc	om odr
Catterick	15.9	+12	W	3	bc	48	45	30	8	8	-	6	1	2-3	3000	0	*	bybvb	bcvcy	bcc	ir od m
Tynemouth	14.5	+4	W	5	bc/pr	47	92	45	7	2	-	-	4-6	4-6	2600	1	3	bcq	bcqp	bc	cmop
St. Abbs Head	13.4	+8	SE	1	c	42	75	34	8	8	4	-	4-6	7-8	2600	0	3	cbc	bcc	cbc	bcmoro
Leuchars	13.4	+10	ESE	3	c	45	75	38	9	8	-	8	4-6	7-8	3000	0	*	bcry	bcpgbc	pr b c	bccror
Renfrew (Abbots I.)	14.4	+2	WS	3	bc	49	55	33	9	2	6	5	2-3	4-6	2500	1	*	cybcy	jpbcy	jfbccm	rororrm
Eskdalemuir	14.4	+2	WS	3	bc	45	55	29	8	1	4	-	2-3	2-3	3200	1	*	bbcc	cbcby	bbco	or s
Point of Ayre	16.2	-2	WS	3	bc	47	55	32	9	7	-	5	1	2-3	6000	0	2	bbcb	by	cprrr	dd ror
Tiree	13.5	-6	SE	1	bc	45	65	35	9	1	3	5	Tr	2-3	3500	0	3	bc	bc	borr	orrdr
Stornoway	13.5	-4	ENE	3	c	48	92	41	9	2	4	7	2-3	10	2500	1	2	cprph	cphr	cbc	cpr
Dalwhinnie	14.2	+2	WNW	1	c	41	55	27	8	8	-	8	2-3	9	4000	0	*	bcy	bccy	*	cis o
Aberdeen	14.0	+12	NNW	2	c	42	65	30	8	8	-	-	9	9	2500	1	2	cir	c	cbcb*	bbcz
Wick	13.7	+12	N	2	bc	40	65	31	9	8	3	1	2-3	2-3	2800	1	*	c	cybc	bc	bcbbc
Sumburgh	12.2	+22	N	5	c	37	65	24	8	8	6	-	7-8	7-8	2500	1	4	cphc	cps cyc	cbccb	bbccx
Blacksod Point	09.2	-38	S	6	pr	49	85	45	8	9	-	-	10	10	2500	1	5	bc	pr	r	
Malin Head	12.6	-20	EN	4	c	45	65	35	8	5	-	6	2-3	7-8	4000	0	3	pr		r	r
Aldergrove	14.8	-10	SW	2	c	48	55	32	8	4	4	6	1	9+	4000	1	*	bbcy	bcycy	rr ir m c	ir ir rrr r m
Birr Castle	12.9	-22	SSW	2	ir	49	95		7	6	2	-	4-6	10	800	1	*	bc	r	•	r
Valentia Obsy.	11.1	-34	SW	4	c	51	85	37	8	5	2	-	9+	10	2500	1	4	p	r	r	r
Roches Point	14.5	-28	SES	5	c/d	49	97	48	7	5	-	5	7-8	9+	800	1	4	bc	d	bc	r

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales	Moderate south wind, fresh on coasts veering west. Cloudy with occasional rain at first, bright intervals and local showers later. Average temperature.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland	Moderate or fresh southwest winds becoming north later. Bright intervals, occasional rain, average temperature, becoming colder.
13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Fresh east to southeast wind, strong locally, decreasing temporarily finally becoming northerly. Occasional rain, rather cold.
16 Orkneys and Shetlands	As 13 B - 15
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate southwest wind, fresh locally veering northwest. Variable cloud, showers, average temperature.

GENERAL INFERENCE

A depression off northwest Ireland is expected to move east. There will be some rain in the North. Rain in the west will spread east followed by clear intervals and showers.

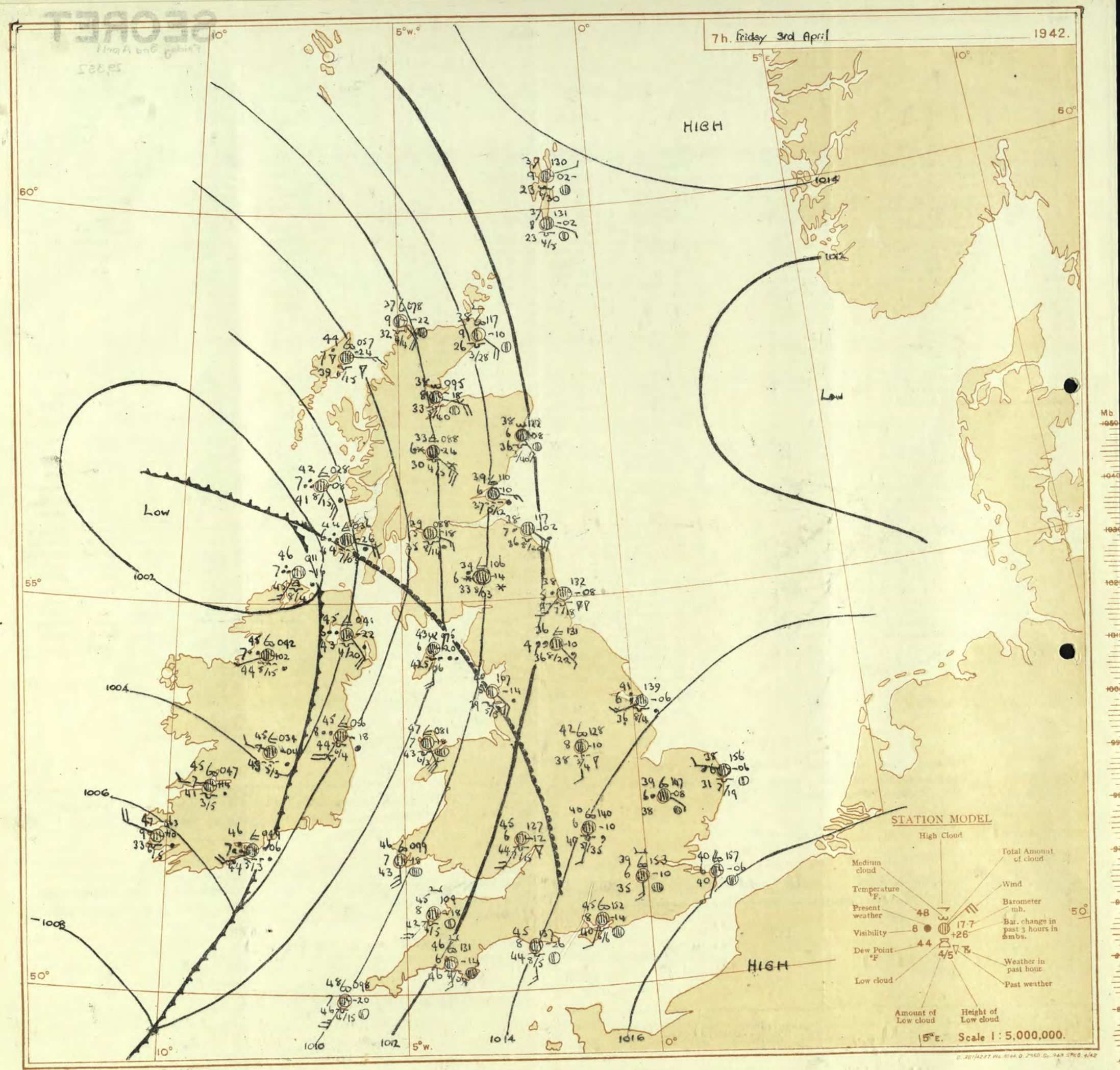
FURTHER OUTLOOK

Bright intervals and showers.

Forecasts issued at 10.30 G.M.T

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

7h. Friday 3rd April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

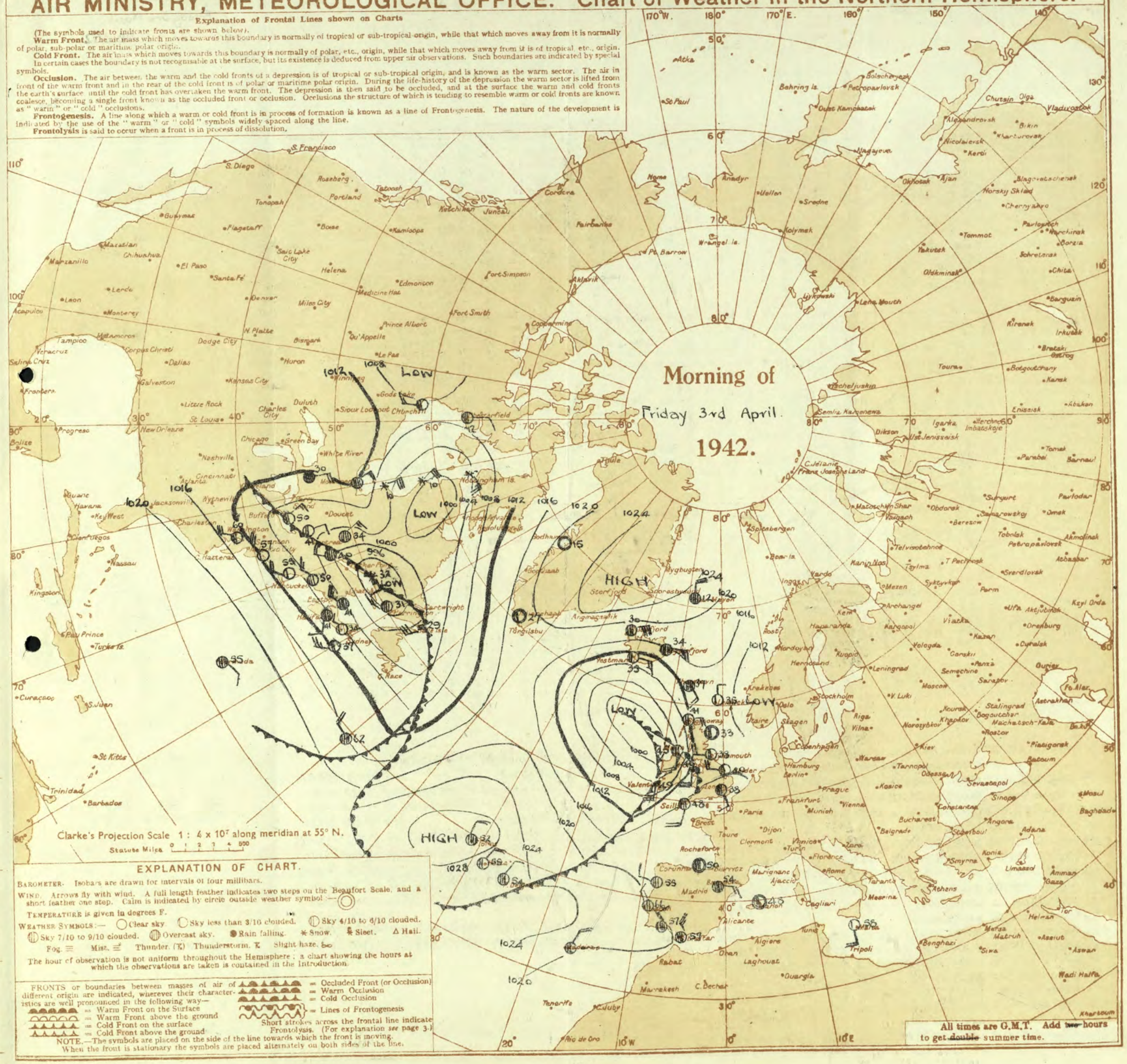
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground

= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis

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

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

Page 4.

BRITISH SECTION

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

Friday 3rd April 1942

No. 29,352

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	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon	290	18·2	-6	SSE	2	zo	38	75	31	6	-	7	7	0	10	-
	S. Farnborough	226	18·1	-10	-	0	c	39	75	31	8	-	7	8	0	9	-
	Boscombe Down	417	18·8	-10	SE'E	2	c	37	85	32	7	-	5	7	0	10	-
	Thorney Island	10	18·4	-12	-	0	zo	37	92	36	6	-	-	7	0	10	-
	Lympne	283	19·2	-10	WNW	1	zo	36	92	33	6	-	-	7	0	10	-
	Manston	154	17·9	-10	WSW	2	zo	39	85	34	6	-	-	7	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17·3	-10	W'N	1	zo	41	85	36	6	-	-	7	0	10	-
	Gorleston	5	16·9	-4	W'N	2	zo	40	75	32	6	-	4	-	0	2-3	-
	Mildenhall	15	16·8	-18	SW'W	2	zo	38	85	34	6	-	3	7	0	10	-
	Cranwell	203	16·4	-8	SW	2	m	35	97	34	4	-	-	6	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·2	-10	S'W	1	c	39	75	32	7	-	7	-	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·9	-18	SSW	4	bc	47	85	42	7	5	4	-	4-6	4-6	2500
	Bristol	209	17·4	-22	SSE	1	c	42	75	33	7	5	-	-	10	10	4000
	Portland Bill	32	17·5	-12	SW	3	c	44	92	42	7	5	-	-	10	10	2500
	Plymouth	82	16·7	-20	SSW	4	c	47	97	47	7	2	3	4	2-3	7-8	1500
	The Lizard	240	16·8	-12	SSW	4	bc	47	97	47	8	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	14·9	-22	SSW	4	c	48	92	46	7	5	4	2	4-6	9	1500
	Guernsey	175															
6	Pembroke	142	14·1	-10	S'W	5	c	46	97	46	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	32	12·3	-22	S	6	ido	45	97	44	7	5	2	-	7-8	10	1600
	Chester (Sealand)	16	14·7	-18	SE	3	rr	41	85	37	6	-	2	-	10	10	3000
8	Manchester	235	15·4	-16	SSE	2	e	39	75	31	6	-	2	-	0	10	-
10	Spurn Head	29	16·2	-2	W'S	4	zo	40	85	35	6	-	3	-	0	2-3	-
	Catterick	175	15·4	-6	-	0	c	35	85	32	8	-	4	7	0	10	-
	Tynemouth	108	14·7	-2	W	3	bc	38	85	34	7	-	3	-	0	2-3	-
11	St. Abbs Head	280	13·7	-8	SE	2	bc	37	75	32	7	5	4	-	2-3	4-6	2500
	Leuchars	36	13·4	-14	E	1	c	39	92	37	8	5	-	-	7-8	7-8	4000
12	Renfrew (Abbots I.)	19	12·2	-18	ENE	1	m	37	85	33	4	5	-	-	2-3	10	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·1	-18	S'W	4	rr	48	92	44	7	6	2	-	7-8	10	1000
13A	Tiree	22	08·4	-20	SE'S	4	rr	43	85	42	7	-	2	-	10	10	1500
13B	Stornoway	80	10·1	-24	E	6	bc	41	92	39	8	-	3	6	0	4-6	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	14·3	-2	-	0	b	33	97	31	8	-	3	-	0	1	-
	Wick	114	13·7	-6	ENE	1	bc	35	65	25	8	2	3	5	1	2-3	2500
16	Sumburgh	19	13·8	-2	N	1	b	35	75	27	8	5	-	-	1	1	2500
17	Blacksod Point	18	00·2	-42	S'E	7	RR	46	97	45	6	6	2	-	4-6	10	800
18	Malin Head	84	05·9	-30	S	4	ro	45	92	43	7	3	-	-	9+	9+	4000
	Aldergrove	268	09·7	-22	SS'E	4	c/r	44	92	42	7	5	2	-	7-8	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·2	-36	S'W	6	r.r.	49	92	47	6	6	2	-	7-8	10	1500
	Roches Point	22	08·9	-32	S	6	c	48	92	46	8	5	-	5	4-6	7-8	1500

OBSERVATIONS at 7 hr. 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)	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)	14·7	-8	SW	1	zo	41	75	35	6	5	7	-	7-8	9+	2500	1	*	53	38	25	-	-	10·6
Croydon	15·3	-10	S	3	c	39	85	34	6	-	7	7	0	10	-	1	*	53	50	33	-	-	10·6
S. Farnborough	14·8	-10	SW'S	3	c	42	86	39	7	5	7	8	4-6	9+	2500	1	*	56	36	29	-	-	9·6
Boscombe Down	15·2	-12	S'E	3	c	42	97	42	7	5	1	-	10	10	2000	1	*	52	36	35	-	0·5	7·3
Thorney Island	15·2	-14	SSW	2	c	45	85	40	8	5	7	-	9	10	4000	0	*	55	35	30	-	-	*
Lympne	17·1	-6	SSW	1	zo	40	92	38	6	-	7	-	0	10	-	1	§3	55	34	27	-	-	10·2
Manston	15·7	-6	SSW	2	zo	40	65	30	6	-	7	-	0	9+	-	1	*	58	37	32	-	-	10·3
Shoeburyness	15·7	-10	NW'W	3	m	41	85	36	4	-	7	-	0	10	-	1	*	57	38	30	-	-	9·5
Felixstowe	15·5	-6	WSW	1	zo	40	85	35	5	-	7	7	0	10	-	0	1	54	38	33	-	-	10·6
Gorleston	15·6	-6	W'N	2	zo	38	75	31	6	5	-	-	9+	9+	1900	2	2	55	37	33	0·5	-	7·6
Mildenhall	14·7	-8	SE'S	1	ivo	39	92	37	6	-	7	-	0	10	-	1	*	56	37	27	-	Tr	10·4
Cranwell	13·4	-14	ESE	2	e/r	38	97	37	5	-	7	-	0	10	-	1	*	52	35	28	-	1	9·6
Birmingham	12·8	-10	S	2	c	42	85	38	8	6	7	-	7-8	7-8	1500	1	*	52	39	35	-	0·1	8·9
Upper Heyford	14·0	-10	S'W	2	zo	40	97	40	6	5	7	-	7-8	10	3500	0	*	58	39	35	-	-	*
Ross-on-Wye	12·7	-14	S'E	2	c	45	85	41	6	5	-	7	9+	9+	1500	1	*	54	42	36	-	-	8·3
Hartland Point	10·9	-18	SSW	4	c	45	85	42	8	5	-	7	4-6	10	2000	0	4	49	44	42	-	Tr	9·8
Bristol	14·3	-12	SSW	4	zo	46	97	44	7	5	-	1	9	9+	700	1	*	52	39	30	-	0·4	7·8
Portland Bill	13·7	-26	S	3	c	45	92	43	8	5	-	-	10	10	2500	1	4	46	41	*	-	-	*
Plymouth	12·1	-14	S	3	c	46	97	46	6	6	7	7	4-6	9+	400	1	3	51	46	43	-	-	9·3
The Lizard	12·0	-20	S	4	c	47	92	45	8	5	2	-	9	10	1500	1	4	52	45	*	Tr	-	7·6
Scilly (St. Mary's)	09·8	-20	S'W	5	c	48	92	46	7	5	7	-	4-6	9+	1500	1	4	54	47	*	-	-	7·3
Guernsey																							
Pembroke	09·4	-20	S'E	6	cq	46	97	46	7	5	-	-	9	9	2500	1	4	49	37	*	-	Tr	8·8
Holyhead (Valley)	08·1	-18	SSE	6	c	47	85	43	7	5	2	-	9	10	800	1	5	50	43	42	-	Tr	*
Chester (Sealand)	11·2	-12	SE'S	3	zo	43	85	39	6	5	7	2	4-6	9	4500	1	*	49	40	37	-	1	10·4
Manchester	11·8	-14	SSE	4	zo	41	85	38	6	5	-	-	9+	9+	2500	1	*	48	37	30	-	1	*
Spurn Head	13·9	-6	WSW	3	dr	41	85	36	6	5	-	-	10	10	1500	1	3	50	38	*	-	Tr	10·3
Catterick	13·1	-10	SE	1	dodo	36	97	36	4	-	2	-	10	10	2200	1	*	53	34	26	-	2	11·7
Tynemouth	13·2	-8	SW	3	e/pr	38	92	35	5	5	-	-	9+	9+	1800	1	3	52	36	34	6	Tr	*
St. Abbs Head	11·7	-2	SE	4	iro	38	92	35	7	5	-	-	10	10	2000	1	3	44	38	*	-	Tr	
Leuchars	11·0	-10	ENE	3	r.r.	39	92	37	6	6	2	-	7-8	10	1200	1	*	54	36	35	1	0·2	8·6
Renfrew (Abbots I.)	08·8	-18	ESE	3	zo	39	85	35	5	5	-	-	10	10	1400	1	*	53	35	25	-	4	10·4
Eskdalemuir	10·6	-14	-	0	rs	34	97	33	6	-	2	-	10	10	300	1	*	50	29	25	-	3	10·4
Point of Ayre	07·5	-20	S	4	c/r	43	97	42	6	6	6	-	7-8	9+	600	1	4	52	40	*	-	3	9·5
Tiree	02·8	-8	SE'S	5	rr	42	97	41	7	-	2	-	10	10	1500	1	5	49	41	*	-	4	10·6
Stornoway	05·7	-24	E	3	pr	41	85	37	7	5	7	-	9	10	1500	1	4	48	41	*	1	Tr	5·8
Dalwhinnie	08·8	-24	SE	5	iso	33	85	30	6	5	2	-	4-6	10	2500	1	*	47	23	15	-	0·1	8·9
Aberdeen †	12·2	-8	SE	3	zo	38	65	26	6	5	3	-	2-3	7-8	4000	1	2	48	31	23	Tr	-	2·2
Wick	11·7	-10	SE'E	4	bc	38	65	26	9	5	7	6	2-3	4-6	2800	3	*	44	35		0·2	-	*
Sumburgh	13·1	-2	ESE	4	c	37	65	28	8	5	-	-	4-6	10	2500	0	4	41	34	28	0·2	-	5·0
Blacksod Point																		50		*	0·3		
Malin Head	01·1	-16	SSW	3	rr	46	92	44	7	8	-	-	10	10	1500	1	4	48	40		Tr	2	9·6
Aldergrove	04·1	-22	SSE	4	r.r.	45	92	43	6	5	2	-	4-6	10	2000	2	*	52	42	41	-	3	8·9
Birr Castle	03·4	-4	WNW	2	c	45	92	43	7	6	2	-	7-8	10	800	1	*	53	43	43	0·1	4	7·2
Valentia Obsy.	06·3	+10	WNW	4	c	47	65	36	9	5	-	-	9	9	2500	1	4	51	45	40	3	8	
Roches Point	04·9	-6	SW'W	4	rr	46	92	44	7	6	2	-	7-8	10	800	1	§	51	46	*	0·6	7	*

† 0100 obs. from Dyce

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 2nd April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 3rd April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
108-	10865	29485	53	01854	28324	50	01864	00004	50	01854	10414
115			5*	02944	04226	54	01953	08424	54	02944	12426
2038-	81846	32316	87	02942	32128	13	01943	08414	6-	62838	08428
2068-	02855	30385	3-	81847	06187	53	01861	10324	53	02865	43416
21087	01864	31265	53	02864	31226	04	00890	10111	05	02990	10317
22080	01954	24214	70	01954	23214				62	64736	15668
23084	01963	22323	74	31962	18313	57	02863	10116	52	02756	09368
2452-	25954	31886	30	01953	32383	53	01862	02113	57	02864	12318
26013	01863	24513				50	00761	24213	52	62656	03268
27826	01958	61413	86	01952	14214	5-	64648	10368	62	64546	42568
27986	02955	21415	10	01963	54415	57	02863	14128	87	02854	10265
28520	01854	26614	23	01853	28414						
28820	01964	26514	26	00952	25313	05	05690	16127	57	22873	17268
57520	01954	22114	57	61865	13227	51	22747	14468	67	62745	22167
3012-	00852	21412	00	02830	22315	52	22954	15328	5-	05555	12465
3212-	01755	25515	00	05690	26326	00	05590	18127	52	61555	13468
29970	02754	27324	80	02755	32215	00	00790	25200	80	05668	20118
29220	01954	58414	26	01963	24314	04	02830	19125	62	61445	08168
310--	01634	21414	--	01642	24212				--	03428	24328
614--	02755	57325	10	02762	28325	07	05590	20228	57	05565	14168

IIIC_L C_M (13h. G.M.T. 2nd April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 3rd April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
3331-	01553	24314	44	02961	17418	52	51727	42468			
334			--	02843	26315				--	03747	26328
34010	01964	26314	40	02953	22416	02	62648	15368	52	05647	14328
136			40	01762	24315	00	05690	24216	57	01663	19168
33624	01753	28414	54	02753	24416				57	02755	20428
3502-	01854	26404	44	02851	24317	07	05690	17128	57	22753	18328
36810	01852	24413	53	02874	24816	57	02764	14228	57	02754	18228
37020	01848	24315	50	02853	22316	50	05652	22228	--	49109	18369
39080	01754	58514	43	02763	25317	00	05690	22228	07	05590	21128
38020	01964	53424	70	02864	23317	07	02790	24127	57	61737	00068
43813	01864	24514							07	02790	20315
43001	01853	26414	07	01890	22315	00	05690	32127	5-	04667	06148
40013	01852	22314	17	02955	19417	61	02721	16328	57	02824	16527

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	bc	bcbzo	bczbce
Croydon	bcycy	bcycy	cyczom
Greenwich			
Camden Square			*
Kensington			*
Hampstead			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·1, Time 16–22h on 2nd. Min. <0·1, Time 0–4h on 3rd.

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	53	38	25	–	–	10·6	*	*
Croydon	53	50	33	–	–	10·6	*	*
Greenwich								
Westminster								
Regents Park								
Camden Square						*	*	
Kensington								
Hampstead							*	

SECRET

Page 1

BRITISH SECTION

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

Saturday 4th April 1942

No. 29353

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)	11·3	-26	S	3	c	51	55	36	8	5	2	-	2-3	10	2500
	Croydon	12·1	-18	SSW	3	c	52	55	35	8	1	7	7	1	10	3000
	S. Farnborough	11·7	-22	S'W	3	c	51	65	38	8	1	1	-	4-6	10	2500
	Boscombe Down	11·5	-22	S	4	c	51	75	41	8	1	6	-	4-6	9	2000
	Thorney Island	12·8	-14	S	2	c	48	75	39	8	5	7	-	4-6	10	4000
	Lympne	14·1	-18	SSE	2	c	49	65	37	8	5	-	8	1	10	6000
	Manston	12·6	-18	SSW	3	c	52	55	36	7	5	7	7	Tr	10	5000
2	Shoeburyness	12·9	-10	S'W	2	c	51	65	40	8	-	7	1	0	9	-
	Felixstowe	12·8	-16	S'E	2	c	45	75	39	7	5	1	-	7-8	10	4000
	Gorleston	14·1	-12	SES	2	pr	41	85	37	6	5	-	-	10	10	1000
	Mildenhall	11·8	-18	S	2	c/r	48	97	48	6	8	7	-	7-8	9+	2000
	Cranwell	10·2	-22	S'E	3	c	50	85	45	7	8	1	-	7-8	10	2000
3	Birmingham	09·0	-24	SSE	4	c	51	65	40	8	2	7	-	4-6	9	2500
	Upper Heyford	10·7	-42	SSW	3	c	51	65	39	7	8	-	7	7-8	9+	2500
4	Ross-on-Wye	08·9	-20	SW	3	c	53	75	48	8	8	-	1	9	9+	2000
5	Hartland Point	06·4	-22	SSW	3	rr	49	75	41	8	6	1	-	7-8	10	1900
	Bristol	09·9	-30	SWS	5	c	53	65	39	8	2	4	8	4-6	9+	1500
	Portland Bill	11·2	-20	S	4	c	47	85	43	7	5	7	-	4-6	10	4000
	Plymouth	08·8	-26	S	4	ir.	49	85	44	8	5	2	-	9	10	2000
	The Lizard	08·0	-24	SSE	5	rr	49	97	48	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	07·0	-10	WNW	4	rr	48	97	47	6	8	2	-	7-8	10	1200
	Guernsey															
6	Pembroke	06·0	-20	SSE	6	r.r.	46	97	45	6	5	2	-	9	10	1500
7	Holyhead (Valley)	04·0	-22	S	6	r.r.	48	92	45	7	5	2	-	7-8	10	800
	Chester (Sealand)	07·0	-24	S'E	4	ir.	52	65	39	6	5	2	-	4-6	10	1500
8	Manchester	07·9	-22	S	5	c	52	65	39	7	2	6	-	7-8	9+	3000
10	Spurn Head	11·1	-26	SSE	5	c/pr	41	92	36	6	5	2	-	4-6	10	1500
	Catterick	09·3	-20	SSE	3	z.	45	85	41	5	5	2	-	9	10	1100
	Tynemouth	10·1	-22	SE	4	c/pr	41	85	33	6	8	-	-	9+	9+	2000
11	St. Abbs Head	08·1	-12	ESE	6	ir.	39	92	36	7	5	2	-	7-8	10	2000
	Leuchars	07·4	-20	ESE	5	c/r	41	92	40	6	5	7	-	7-8	10	1000
12	Renfrew (Abbots I.)	05·1	-4	SSE	3	rr	45	85	41	4	5	-	-	10	10	1400
	Eskdalemuir	05·7	-26	SE'S	5	ir.	44	85	42	8	5	-	-	10	10	900
	Point of Ayre	04·3	-18	S'E	5	ir	45	97	44	6	6	2	-	7-8	10	800
13A	Tiree	02·1	+8	W'S	1	ir	46	97	45	7	-	2	-	9+	9+	1500
13B	Stornoway	03·2	-6	ESE	5	r.r.	43	92	41	7	5	2	-	7-8	10	1500
15	Dalwhinnie	05·3	-18	SE	6	rs	36	92	33	7	5	2	-	4-6	10	1500
	Aberdeen	09·6	-14	SSE	3	z.	39	75	31	6	5	7	-	1	10	2100
	Wick	08·8	-18	SE	5	c	40	65	30	8	7	7	-	4-6	9+	1800
16	Sumburgh	11·7	-6	SE	4	c	39	55	26	9	5	-	-	7-8	7-8	4000
	Blacksod Point	03·4	-6	W'S	5	bc	50	55	39	8	8	-	-	4-6	4-6	4000
18	Malin Head	02·4	+2	WNW	3	bc	48	65	37	8	8	-	-	4-6	4-6	2500
	Aldergrove	03·0	-4	WNW	1	pr	49	75	41	8	8	-	-	10	10	2000
19	Birr Castle	04·4	-2	W	2	c	51	75	43	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	06·8	-2	W'S	4	pr	47	75	40	8	3	-	-	9+	9+	2500
	Roches Point	05·9	0	WNW	4	bc	50	65	39	8	2	4	-	4-6	4-6	2500

OBSERVATIONS at 18h. 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. (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)	08·3	-14	S	3	z.	48	65	37	6	5	7	-	2-3	9+	2500	1	*
Croydon	08·7	-14	E	2	c	48	65	37	6	5	7	-	2-3	9+	2500	1	*
S. Farnborough	07·9	-18	SSE	3	c/r	47	75	38	6	5	7	-	4-6	10	6200	1	*
Boscombe Down	06·6	-32	S'E	4	c	47	75	39	9	5	7	-	4-6	9+	2500	0	*
Thorney Island	08·1	-28	SE'S	2	c	46	75	39	8	5	2	-	9	10	5300	0	*
Lympne	11·0	-18	SE	1	c	43	92	40	8	-	7	2	0	9	-	1	§ 4
Manston	09·4	-22	SW	2	c	47	45	28	8	-	9	-	0	9+	-	1	*
Shoeburyness	09·8	-16	S	2	c	47	75	38	8	5	7	6	Tr	9+	4500	1	*
Felixstowe	09·2	-20	S'W	3	c	45	75	37	8	5	7	8	Tr	10	4000	0	2
Gorleston	10·1	-24	SSE	3	z.	41	97	40	6	5	-	-	10	10	1000	1	3
Mildenhall	08·0	-18	S'W	2	z.	52	65	39	6	8	7	2	4-6	10	2000	0	*
Cranwell	06·4	-22	SSE	3	c	50	97	42	7	4	7	8	4-6	9+	3000	1	*
Birmingham	05·7	-8	S	3	pr	45	85	40	6	8	-	-	10	10	1500	1	*
Upper Heyford	06·7	-14	S'W	3	c	49	55	34	8	5	2	-	4-6	10	1800	0	*
Ross-on-Wye	04·9	-20	S'E	3	ir.	47	75	40	7	6	1	-	9	10	1500	1	*
Hartland Point	06·7	+18	W	4	c	45	85	42	8	5	4	-	4-6	9	1000	1	4
Bristol	06·9	-16	S	4	r.r.	47	85	41	6	5	2	-	9	10	1500	1	*
Portland Bill	07·1	-32	S	4	rr	45	92	43	7	5	-	-	10	10	2500	1	4
Plymouth	07·4	+2	W	5	c/r	48	75	41	8	8	3	1	7-8	9	1500	1	4
The Lizard	09·0	+16	WNW	5	bc/pr	47	75	40	8	8	6	-	4-6	4-6	2000	1	5
Scilly (St. Mary's)	08·0	+10	WNW	5	bcjp	48	65	39	8	8	4	-	4-6	4-6	1200	1	4
Guernsey																	
Pembroke	05·5	+10	W'N	5	cq	47	92	45	8	8	6	1	4-6	7-8	2500	1	3
Holyhead (Valley)	03·3	-2	WNW	3	r.r.	44	92	42	7	6	2	-	7-8	9+	800	2	5
Chester (Sealand)	03·9	-16	S'E	3	ir.	48	75	42	6	5	2	-	2-3	10	1500	1	*
Manchester	04·2	-20	S	4	ir.	49	65	37	7	5	2	-	7-8	10	1500	1	*
Spurn Head	06·8	-24	SE	5	mz.	42	97	41	6	7	4	1	7-8	7-8	1500	0	4
Catterick	04·7	-24	SSE	2	c/phr	46	92	44	4	8	3	-	7-8	9+	1500	1	*
Tynemouth	06·5	-18	SE	4	ps	41	97	40	5	8	-	-	9+	9+	1500	1	3
St. Abbs Head	03·8	-18	ESE	6	ir.	39	92	36	6	5	-	-	10	10	2000	1	4
Leuchars	03·4	-14	SE	5	r.r.	41	85	37	5	6	2	-	10	10	500	1	*
Renfrew (Abbots I.)	02·1	-14	SSE	1	r.r.	45	92	43	6	5	2	-	9	10	1400	1	*
Eskdalemuir	02·6	-16	SSE	2	r.r.	42	92	41	6	5	2	-	9	10	900	1	*
Point of Ayre	01·3	-4	NW'N	5	r.r.	43	97	42	7	6	2	-	7-8	10	1000	1	4
Tiree	01·6	-4	-	0	c	46	75	43	8	5	7	-	4-6	7-8	2500	0	3
Stornoway	01·1	-4	SSE	4	c	44	97	43	8	5	7	-	4-6	9+	2000	1	3
Dalwhinnie	02·7	-16	SE	5	r.r.	36	92	35	7	5	5	-	9	10	1500	1	*
Aberdeen	06·3	-16	SSE	3	z.	39	85	35	6	5	2	-	9+	10	1800	1	3
Wick	05·5	-22	SE'S	4	r.r.	38	92	35	6	5	2	-	9	10	800	1	*
Sumburgh	09·9	-10	SSE	4	c	37	65	26	9	5	-	-	9+	9+	4000	0	4
Blacksod Point	02·5	-2	W'S	5	PHR	45	75	38	8	9	-	-	10	10	2500	1	4
Malin Head	01·3	-8	W'N	2	bc	48	55	34	8	1	-	5	1	4-6	4000	0	3
Aldergrove	02·3	-6	-	0	c	46	85	41	9	7	7	-	4-6	9+	3000	1	*
Birr Castle	03·6	-2	W	3	c	48	65	37	8	8	-	4	7-8	7-8	1500	1	6
Valentia Obsy.	05·8	-10	SNW	4	bc	46	85	41	9	8	-	-	4-6	4-6	2500	1	4
Roches Point	06·1	+2	NW	4	c	47	75	41	8	3	3	3	2-3	7-8	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 3rd (39)	13h.—18h. 3rd (40)	18h. 3rd to 1h. 4th (41)	1h.—7h. 4th (42)
London (Kew)	cz.cy	c⊕z.	crr.r.	r.cbcw
Croydon	cm.cy⊕	cy	cm.r.r.	cm.bcm.c
S. Farnborough	cir.c	czir.z.	cz.r.m.	bcb
Boscombe Down	cbcc	c	cir.prm.	cbcm.
Thorney Island	cir.c	ccir.c	cerbc	bc
Lympne	cm.Fc⊕	⊕c	c	crrbcfm.
Manston	cz.ccy⊕	cy	cm.ir.	r.r.bcm
Shoeburyness	cmcm.c	c		cr.bcm
Felixstowe	cir.m.c	c	cpr.ir.m.	r.r.bm.
Gorleston	cidcz.pr.	czprc	coid.	odr.c
Mildenhall	cm.ir.	cm.ccm.	ccm.r.r.	cmr mrcm.
Cranwell	cir.m.c	c	ccm.rr.d	bcbbcm.
Birmingham	c	cpr	cir	cbc
Upper Heyford	cm.c	ccy	cm.cbc	bcbbccm.
Ross-on-Wye	c	cyc	cbcc	cbcc
Hartland Point	crrc	crr	cbcc	c
Bristol	c	cr.r.m.	cr.r.m.b	cbcc
Portland Bill	c	opr	c	c
Plymouth	cm.c	cir.m.rrc	bcbbc	cwbcw
The Lizard	cpr rr	cbcpr	bcc	bcprc
Scilly (St. Mary's)	crr	crcbc	bcp.c	c
Guernsey				
Pembroke	cq r.r.	cq	bccq	c
Holyhead (Valley)	cr.m.	cr.r.rm.	bcbbc	bccbc
Chester (Sealand)	cm.z.ir.	cr.r.z.	crrm.	bccbc
Manchester	cm.c	cir ir.	crrm.	cir.bc
Spurn Head	cpr cm.	cm.	cm.r.r.	r.cbc
Catterick	cdr.cm	cpr phm	cr.m.	cr.m.c
Tynemouth	cm.p.	cm.p.	cpm.c	ccm
St. Abbs Head	cm.r.cm.r.	cir.cm.	cir.m.bcm	c.cm.c
Leuchars	r.r.cm.	cm.ir.r.r.	rrr.r.cm.	cm.bc
Renfrew (Abbots I.)	cr.r.rr	cm.r.r.	r.r.m.	bcdfm.
Eskdalemuir	r.s.ir.	crr r.	r.irc	c
Point of Ayre	cr.r.	r.r.	cprbcb	cbcw
Tiree	orrc	bc	corr	bc
Stornoway	cr.r.	sr.r.	c	bc
Dalwhinnie	orsrs	or.r.	* *	oirc
Aberdeen	cir.z.	cir.z.	cir.m.	cir.m.
Wick	bcc	cr.r.m.c	or.r.m.	cr.r.ir.
Sumburgh	cbccy	c	or.r.	crorr
Blacksod Point	bc	pr	pr	r
Malin Head	r	bc	bc	bc
Aldergrove	r.r.m.ir.c	pr.cir.	cb	cbbwc
Birr Castle	pr	c	* *	r
Valentia Obsy.	pr	pr	c	r
Roches Point	r	pr	bc	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 4th April 1942.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Moderate Southwest wind, backing South and freshening; fair at first, becoming cloudy with rain at times, average temperature to rather mild.
4 W. Midlands	Fresh South to Southwest wind; cloudy, rain at times, some fair periods tomorrow; average temperature.
~~5 S.W. England~~ ♠, 6 South Wales ♠, 7 North Wales, 8 N.W. England	Wind South to Southwest strong, gale locally on coasts, dull, rain at times, some fair periods later; average temperature.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Moderate South winds, fresh locally on coasts. Mainly cloudy, with rain at times later; average temperature.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland	Moderate Southeast to South winds increasing to strong later. Cloudy, rain at times, rather cold at first, temperature rising to average.
14 Mid Scotland, 15 N.E. Scotland	Fresh Southeast to South winds. Cloudy, occasional rain, rather cold.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland ♠, 20 S. W. Ireland ♠	South to Southwest winds fresh to strong, gale locally on coast; dull with rain at times, fair periods to-night but further rain to-morrow; average temperature.

GENERAL INFERENCE

A weak wedge of high pressure is crossing England, and a complex deepening depression is approaching Ireland from the Atlantic. There will be rain at times in most areas, with gales on the western coasts.

FURTHER OUTLOOK

Changeable with further rain spreading from the West. Average temperature.

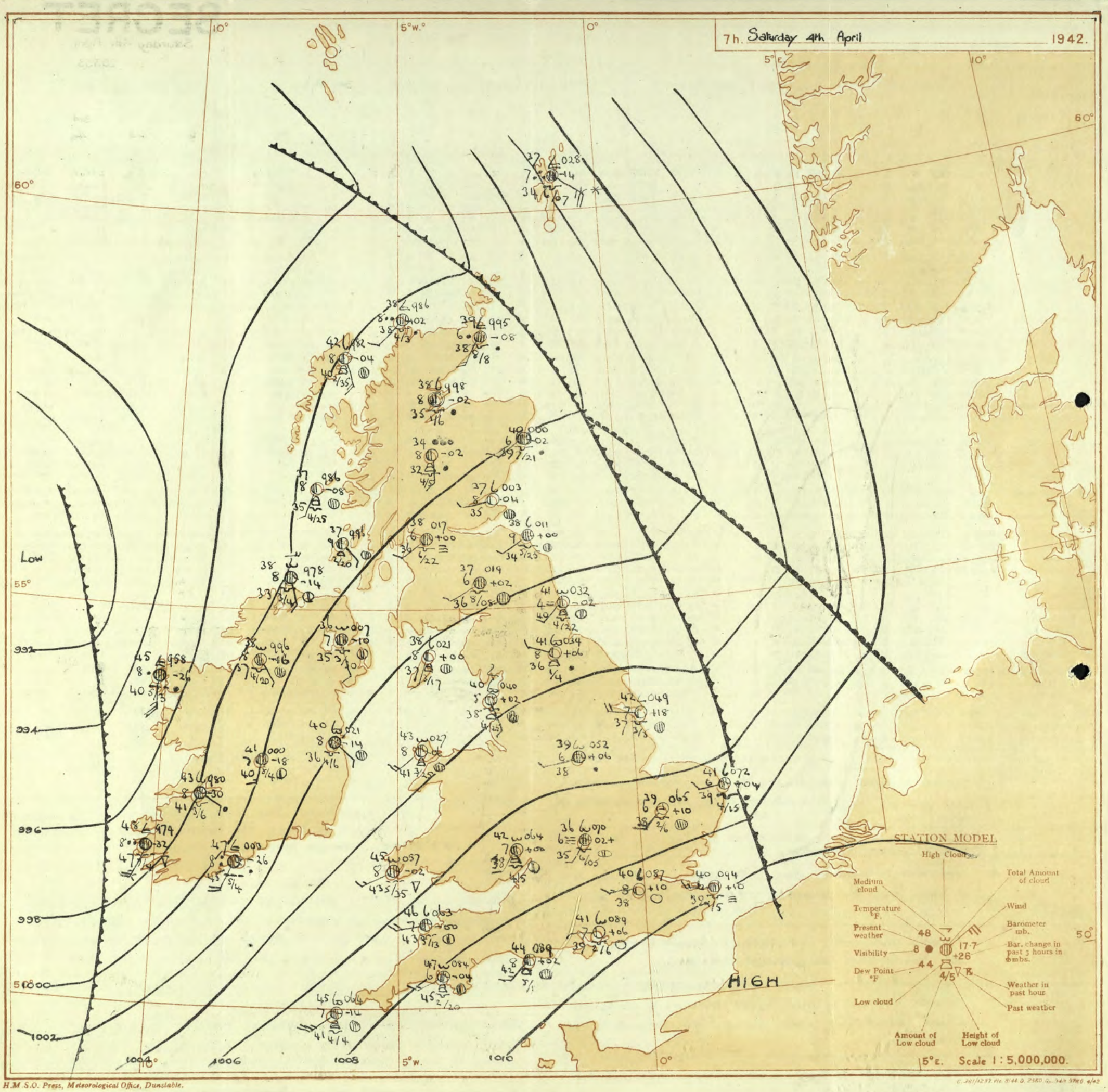
Gale warning in operation in districts 5, 6, 19 and 20.

Time of issue 0700 on 4-4-42.

Forecasts issued at 10.30 G.M.T.

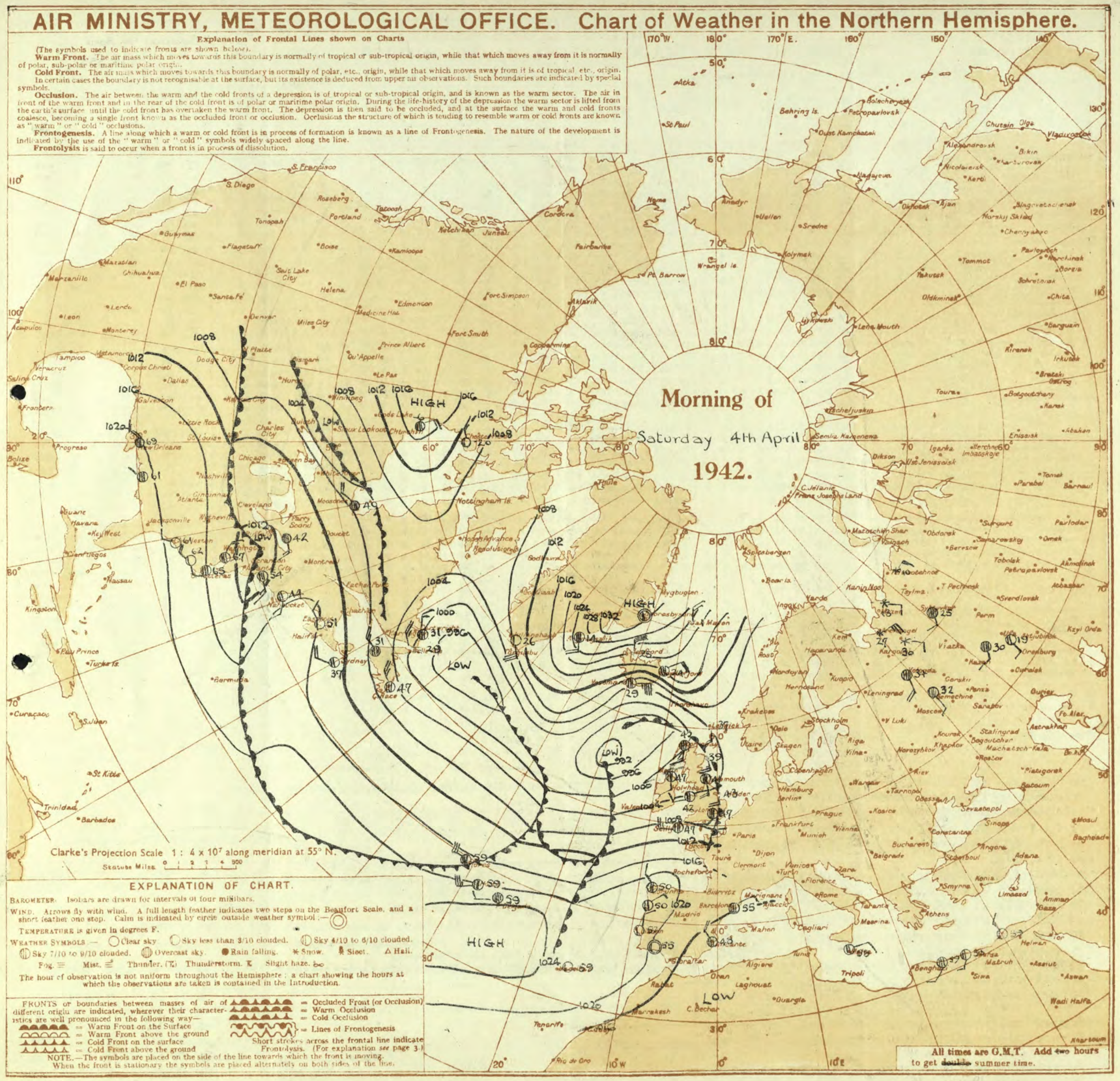
N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 4th April 1942

No. 29,353

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)	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	06·9	-6	SW'S	2	c/r	41	92	39	6	5	7	-	2-3	10	2200
	S. Farnborough	226	07·2	-2	W'S	3	z_0	42	97	41	6	5	3	-	2-3	7-8	3000
	Boscombe Down	417	08·1	+6	W'S	3	z_0	41	92	39	6	5	-	-	4-6	4-6	2000
	Thorney Island	10	07·6	+2	W'N	3	be/r	43	97	42	6	5	3	-	2-3	2-3	4000
	Lympne	283	08·0	-8	SSE	1	c	43	85	38	7	5	2	-	4-6	10	4000
	Manston	154	06·3	-13	SE	2	ir_0	42	75	35	6	5	2	-	9+	10	2900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07·0	-12	SE	2	ir_0	42	85	37	6	-	2	-	0	10	-
	Gorleston	5	08·0	-10	S	2	id_0	41	92	39	6	6	-	-	10	10	1500
	Mildenhall	15	06·1	-10	S'E	3	r_0r_0	42	92	39	6	-	2	-	10	10	1500
	Cranwell	203	03·8	-16	SSE	4	d_0d_0	42	97	42	5	5	-	-	10	10	1600
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·4	+6	W	2	bc	40	85	36	8	5	3	-	Tr	4-6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·2	-2	WSW	4	c	45	85	40	8	5	-	-	7-8	7-8	2500
	Bristol	209	07·8	+6	WSW	3	c	43	92	40	7	5	7	-	7-8	9+	1300
	Portland Bill	32	08·7	+12	SW	4	c	44	92	42	8	5	-	-	7-8	7-8	2500
	Plymouth	82	09·2	+2	W	4	bc	44	92	42	8	-	3	5	0	4-6	-
	The Lizard	240	09·7	-6	W	5	c	46	85	43	8	8	1	-	9	10	1500
	Scilly (St. Mary's)	163	09·3	-2	W'S	5	c	47	85	43	8	5	7	-	4-6	9+	1200
	Guernsey	175															
6	Pembroke	142	06·4	0	W'S	4	cq	45	92	43	8	8	6	-	4-6	7-8	2500
7	Holyhead (Valley)	32	03·6	-2	WSW	2	bc	42	85	37	8	2	6	-	1	2-3	2500
	Chester (Sealand)	16	04·9	+2	S'E	1	bc	40	92	38	7	-	7	-	0	2-3	-
8	Manchester	235	04·4	+4	NW'W	2	r_0r_0	39	92	37	7	5	-	-	10	10	2500
10	Spurn Head	29	04·5	-14	S	4	r_0r_0	43	97	41	6	-	2	-	10	10	1500
	Catterick	175	03·2	-8	SSW	1	ir_0	41	92	39	5	5	2	-	10	10	1900
	Tynemouth	108	03·7	-4	SSE	4	z_0	41	97	40	5	-	2	-	10	10	1500
11	St. Abbs Head	280	00·4	-12	SE	3	c/r	40	97	40	4	5	-	-	10	10	1500
	Leuchars	36	99·6	-20	SW	3	z_0	41	92	39	6	5	7	-	2-3	9+	3000
12	Renfrew (Abbots I.)	19	01·7	-2	WSW	2	z_0	39	92	37	6	5	2	-	1	10	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	02·9	0	SW'S	2	b	38	92	36	8	*	*	8	Tr	1	4000
13A	Tiree	22															
13B	Stornoway	80	99·8	-6	S	3	c	43	97	42	7	5	7	-	7-8	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen†	79	01·7	-20	SSE	5	ir_0	39	97	38	6	6	-	-	10	10	500
	Wick	114	01·8	-22	SE	5	r_0r_0	39	97	39	6	5	-	-	10	10	600
16	Sumburgh	19	06·0	-14	SE	3	r_0r_0	36	92	34	7	5	2	-	9	10	1500
17	Blacksod Point	18	00·3	-14	SW'S	4	pr	44	75	37	8	9	-	-	9	9	1500
18	Malin Head	84	00·8	-6	S	2	bc	38	85	34	8	2	-	-	2-3	2-3	4000
	Aldergrove	268	02·7	+2	S	1	b	35	92	32	7	5	-	-	Tr	Tr	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	03·9	-14	SW'S	3	c	46	85	42	8	5	-	-	4-6	10	2500
	Roches Point	22	05·2	-10	W	3	c	44	85	40	8	5	-	5	2-3	7-8	1500

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)	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)	08·0	+8	SW	2	z_0	41	92	39	6	5	-	6	2-3	4-6	2500	1	*
Croydon	08·2	+10	WSW	2	c	41	92	38	7	-	-	2	0	7-8	-	1	*
S. Farnborough	08·7	+10	WSW	3	bc	40	92	38	8	-	4	5	0	2-3	-	1	*
Boscombe Down	09·0	+8	SSW	3	bc	38	97	38	7	5	3	-	4-6	4-6	2500	1	*
Thorney Island	08·9	+6	W'S	2	bc	41	92	40	7	5	5	1	1	2-3	4000	1	*
Lympne	09·4	+10	W	3	z_0	40	97	40	6	5	-	6	Tr	7-8	2500	1	§3
Manston	08·1	+14	W	2	z_0	40	92	38	6	-	7	6	0	2-3	-	1	*
Shoeburyness	08·5	+10	W	2	bc	42	92	39	4	-	-	6	0	4-6	-	1	*
Felixstowe	07·6	+10	W'N	2	z_0	40	92	38	6	-	-	6	0	1	-	1	1
Gorleston	07·2	+4	W'S	2	z_0	41	92	39	6	5	4	-	4-6	9	1500	1	2
Mildenhall	06·5	+10	SW'S	2	z_0	39	97	35	6	5	-	-	1	1	3000	1	*
Cranwell	05·6	+16	WSW	3	z_0	39	92	37	6	-	-	5	0	2-3	-	1	*
Birmingham	05·9	+2	SW	2	bc	38	92	36	7	-	7	-	0	4-6	-	1	*
Upper Heyford	07·0	+2	SSW	2	c	36	97	36	6	5	5	6	9	9+	500	1	*
Ross-on-Wye	06·4	0	SSW	2	be	42	85	38	7	8	3	-	4-6	4-6	3000	1	*
Hartland Point	06·3	0	WSW	4	c	46	85	43	7	5	4	5	7-8	9	1300	1	4
Bristol	08·0	+4	SW'S	3	c	42	85	38	8	2	3	-	4-6	7-8	1500	1	*
Portland Bill	08·9	+2	SW	3	c	44	92	42	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	08·4	-4	SW'W	3	z_0	47	92	44	6	8	3	6	1	9	2000	1	3
The Lizard	08·1	-8	SW	5	c/pr	47	92	45	8	8	2	-	7-8	9	1500	1	5
Scilly (St. Mary's)	06·4	-14	SW	5	c	45	85	42	7	8	7	-	4-6	9+	1500	1	
Guernsey																	
Pembroke	04·8	-6	SW	5	c	46	97	46	7	8	4	*	4-6	7-8	2500	1	3
Holyhead (Valley)	02·7	-6	SW	3	c	43	92	41	8	2	3	6	2-3	9	2500	1	3
Chester (Sealand)	04·5	+2	S	2	z_0	38	92	35	6	5	-	6	1	4-6	2500	1	*
Manchester	04·7	+2	S'W	3	z_0	39	92	37	6	5	-	4	4-6	7-8	4000	1	*
Spurn Head	04·9	+18	W	4	be	42	85	37	7	5	1	-	2-3	2-3	2500	1	4
Catterick	03·4	+6	WNW	2	be	41	85	36	8	2	7	1	Tr	2-3	1500	1	*
Tynemouth	03·2	-2	SW	2	m	41	92	39	4	8	3	-	4-6	7-8	2200	1	2
St. Abbs Head	01·1	0	SW	2	c	38	85	34	9	5	4	-	7-8	9	2500	1	4
Leuchars	00·3	+4	WSW	2	be	37	92	35	8	-	4	-	0	2-3	-	1	*
Renfrew (Abbots I.)	01·7	0	SW'S	2	c/f	38	92	36	6	5	-	3	9	9+	2200	1	*
Eskdalemuir	01·9	+2	SW	1	c	37	97	36	6	5	-	-	10	10	†800	1	*
Point of Ayre	02·1	0	S'W	2	bc	38	92	37	8	2	4	6	2-3	4-6	1700	1	2
Tiree	98·6	-8	S'W	1	bc	37	92	35	8	8	-	-	4-6	4-6	2500	0	3
Stornoway	98·2	-4	SSE	3	bc	42	92	39	8	2	4	-	1	4-6	3500	1	2
Dalwhinnie	00·0	-2	S	1	bc	34	92	31	8	8	-	-	4-6	4-6	2500	1	*
Aberdeen†	00·0	-2	SW	2	z_0	40	97	39	6	5	-	-	9+	9+	2100	1	2
Wick	99·5	-8	SSW	3	ir_0	39	97	38	6	5	2	-	10	10	7200	1	*
Sumburgh	02·8	-14	SE'S	5	rr	37	92	35	6	6	2	-	9+	10	800	1	4
Blacksod Point	95·8	-26	S	5	ir_0	45	85	41	8	6	2	-	7-8	10	800	1	4
Malin Head	97·6	-14	SSE	3	c	38	85	34	8	5	3	6	2-3	9	1500	0	4
Aldergrove	00·7	-10	S'E	1	c	36	97	35	7	5	3	6	2-3	9	3000	1	*
Birr Castle	00·0	-18	SSW	3	c	41	85	37	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	97·3	-32	S'W	5	r_0r_0	48	92	46	8	6	2	-	9+	10	1500	1	4
Roches Point	00·3	-26	SSW	4	ir	47	92	45	8	6	2	-	7-8	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 3rd Hrs. (38)
London (Kew)	53	40	31	-	5	0·2
Croydon	53	39	35	-	3	0·1
S. Farnborough	53	38	30	Tr	5	-
Boscombe Down	52	36	31	-	4	1·4
Thorney Island	49	39	33	Tr	5	*
Lympne	50	37	33	-	3	0·8
Manston	53	38	35	-	1	0·7
Shoeburyness	54	39	34	-	3	1·0
Felixstowe	49	39	36	-	1	1·3
Gorleston	43	39	38	0·2	1	0·0
Mildenhall	53	39	31	1	2	0·1
Cranwell	55	36	34	0·2	1	2·1
Birmingham	54	36	32	1	2	1·1
Upper Heyford	52	35	31	-	0·4	*
Ross-on-Wye	56	39	30	Tr	0·3	1·3
Hartland Point	51	44	41	5	-	0·5
Bristol	54	39	32	0·3	1	1·2
Portland Bill	47	43	*	0·3	3	*
Plymouth	52	43	35	6	~~6~~ Tr.	2·1
The Lizard	48	44	*	5	0·5	2·1
Scilly (St. Mary's)	51	45	*	6	-	4·3
Guernsey						
Pembroke	48	39	*	3	Tr	0·0
Holyhead (Valley)	49	40	35	11	1	*
Chester (Sealand)	53	35	31	0·4	8	0·0
Manchester	54	36	32	0·2	9	*
Spurn Head	42	41	*	Tr	1	0·6
Catterick	46	40	35	2	2	0·0
Tynemouth	42	40	37	0·1	2	*
St. Abbs Head	43	37	*	0·3	3	*
Leuchars	42	37	33	10	4	0·0
Renfrew (Abbots I.)	46	37	30	6	6	0·0
Eskdalemuir	45	35	32	6	4	0·0
Point of Ayre	46	35	*	3	0·5	0·0
Tiree	50	34	*	6	0·6	3·0
Stornoway	45	39	*	4	-	0·2
Dalwhinnie	37	28	21	2	3	0·0
Aberdeen†	40	38	38	0·5	2	0·0
Wick	*	36	35	0·4	5	*
Sumburgh	41	35	34	-	3	6·9
Blacksod Point	51	42	*	0·6	2	*
Malin Head	49	35	*	2	0·1	0·0
Aldergrove	50	32	29	3	-	0·5
Birr Castle	53	36	33	0·2	-	5·6
Valentia Obsy.	51	43	39	1	2	
Roches Point	52	44	*	1	1	*

† 0100 obs from Dyce

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 3rd April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02864	10616	52	62846	44528	82	22745	11568	62	62627	12568
115	52	02844	45527	52	62835	12468	82	62835	12268	52	62834	20267
203	5-	02838	08468	6-	62838	16488	5-	22838	12368	10	01944	12414
206	52	61863	10468	02	62748	12368	52	61755	00066	54	01861	00064
210	5-	02854	45528	52	62746	45568	57	02754	11367	53	22866	20267
220	83	22845	23266									
230	57	63647	08368	52	62354	26167	52	02865	00828	20	01842	07114
245	5-	64748	14578	62	68627	47578	6-	22628	14568	53	01852	22114
260	52	02744	08268	52	22645	12168	53	02753	20367	04	00790	28222
278	62	62637	14368	57	62847	30367	8-	01854	15224	83	09754	14216
279	52	61644	14368	52	61844	15568	81	02754	19228	84	01863	16214
285	--	46109	10469	02	64638	14468				23	01633	24414
288	59	05653	13358	9-	22644	12367	52	61664	18168	53	01771	18163
575	80	01853	26283	80	01854	26214	80	01854	14404	53	01844	12125
301	52	62656	15468	52	62655	16468	5-	22755	20165	77	05554	15225
321				8-	61758	19468	52	62635	47388	54	05631	20363
299	56	05655	16215	57	05654	12417	5-	05647	12427	80	05645	16255
292	51	05544	12268	9-	82648	51388	52	62545	18188	24	01851	21164
310	--	01644	20414	--	01635	20415						
614	81	05663	19128	80	05664	16387	57	61654	57468	05	05690	22267

III	13h. G.M.T. 3rd April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	52	62645	49568	62	62744	28368	04	01890	02164	55	02745	02217
334				--	64646	26267				--	05647	24288
340	27	02855	17452	22	62853	16468	80	22856	00066	15	01861	16214
136				87	25545	16187	52	62667	16468	53	05652	22364
336	52	21654	20458	62	62636	16468				13	01753	24314
350	21	02855	18326	87	02752	16428	57	05656	55468	57	05623	18325
368	87	02754	16428	5-	61744	22567	50	00751	24302	8-	81745	21386
379	92	02745	16347	02	62668	16428	53	02753	22314	--	46109	20249
390	80	08475	18328	57	05572	16328	52	64445	16268			
382	43	02845	17428	02	02790	17328	5-	61658	19469	04	01890	20114
438	84	02764	17228							54	02744	22415
430	57	02863	18328	5-	02778	10228	03	01790	24164			
409	52	66626	15568	20	01853	25423	11	01844	22415	54	01742	18324

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 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
Kew	cz_0cy	$c\oplus z_0$	crr_0r_0bcw
Croydon	$cm_0cy\oplus$	cy	cmr_0r_0bc
Greenwich	$c\oplus cy$	$c\oplus cy$	$cr_0r_0r_0b$
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	op	bc	orbc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0·1 18-22 3rd
Min. Time <0·1 9-16h. 3rd

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	40	31	-	5	0·2	*	*
Croydon	53	39	35	-	3	0·1	*	*
Greenwich	56	38	29	-	5	0·8	54	73
Westminster	54	39	35	4			61	87
Regents Park	56	39	34	-	5		81	73
Camden Square	56	39	34	-	5	*	*	78
Kensington	55	39	34	-	5		60	80
Hampstead	53	42	40	-	4		*	87

SECRET

Page 1 BRITISH SECTION

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

Sunday 5th April 1942

No. 29,354

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)	°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)	06.0	-18	SW	3	cjp	50	75	41	8	8	4	-	9	9+	1500
	Croydon	07.1	-10	SSW	3	pr	51	65	41	7	9	6	3	9	9+	3000
	S. Farnborough	06.5	-14	SW	5	pr	52	75	43	8	8	-	1	7-8	9	3000
	Boscombe Down	07.3	-6	SW'S	5	pr	50	85	44	7	8	-	-	10	10	1400
	Thorney Island	08.1	-4	SSW	3	c	49	85	46	7	8	1	-	4-6	9+	1500
	Lympne	09.9	-2	WSW	3	c	49	85	44	8	8	-	-	9+	9+	1500
	Manston	08.1	-8	SWS	4	c	52	65	39	8	8	-	-	4-6	9+	3000
2	Shoeburyness	08.5	-4	SSW	3	c	54	65	41	8	8	3	-	4-6	9+	4500
	Felixstowe	07.6	-2	S'W	4	c	47	75	40	7	8	-	-	9+	9+	2500
	Gorleston	07.2	-10	S'E	3	c	49	65	38	7	1	-	-	7-8	7-8	2500
	Mildenhall	06.1	-6	SW'S	5	c	54	55	39	8	8	3	1	4-6	7-8	2500
	Cranwell	04.5	-6	SW'W	4	c	50	65	39	7	8	-	-	9+	9+	2500
3	Birmingham	03.6	-8	SSW	3	c/pr	51	55	37	8	8	7	-	7-8	7-8	2500
	Upper Heyford	04.6	-18	SSW	4	c	52	55	38	8	8	7	2	7-8	7-8	2200
4	Ross-on-Wye	03.7	-16	S'W	4	c	51	75	42	8	9	7	3	4-6	9+	3000
5	Hartland Point	01.9	-30	SW	4	c/r	48	85	44	8	8	2	-	7-8	10	1000
	Bristol	05.2	-22	S'W	4	pr	52	65	41	8	8	2	-	9+	10	1500
	Portland Bill	08.0	-8	SSW	4	c	47	92	45	8	5	-	•	10	10	4000
	Plymouth	04.8	-26	SSW	5	ir	48	92	47	6	6	7	-	2-3	10	1400
	The Lizard	03.9	-32	SW	5	r°r°	48	97	45	6	8	2	-	9	10	1500
	Scilly (St. Mary's)	00.7	-22	S'W	6	c/r	49	92	48	7	5	2	-	4-6	10	1200
	Guernsey															
6	Pembroke	00.0	-34	S	6	pr	47	97	46	7	8	2	-	7-8	10	2500
7	Holyhead (Valley)	98.1	-18	SSW	5	ir°	49	92	44	8	6	2	-	9+	10	800
	Chester (Sealand)	01.3	-18	S	2	c/pr	55	65	42	8	2	4	9	4-6	7-8	2500
8	Manchester	02.2	-18	SW	4	c	51	65	41	8	3	4	-	7-8	7-8	3000
10	Spurn Head	04.1	0	SW	3	c	51	75	42	7	2	6	-	4-6	7-8	3900
	Catterick	01.9	-10	SSW	3	c	50	55	33	7	8	9	-	2-3	9	2800
	Tynemouth	02.6	-10	SSE	3	c	51	45	33	7	2	3	-	4-6	7-8	2200
11	St. Abbs Head	99.6	-10	S	3	bc	49	55	32	9	2	6	-	2-3	4-6	2500
	Leuchars	99.7	-6	SW	3	bc	49	65	39	8	2	-	1	4-6	4-6	3500
12	Renfrew (Abbots I.)	98.9	-18	SSW	3	c	49	65	36	8	8	3	-	9	9+	2500
	Eskdalemuir	99.6	-10	SSW	4	c	45	75	35	8	5	-	-	9+	9+	2300
	Point of Ayre	99.2	-10	S	4	r°r°	46	92	44	8	6	2	-	9	10	800
13A	Tiree	95.6	-20	S'E	4	bc	47	85	43	8	8	-	-	4-6	4-6	2500
13B	Stornoway	96.8	-2	SSE	4	c	46	85	42	8	1	6	2	2-3	7-8	3500
15	Dalwhinnie	97.6	-4	SSE	4	c	42	65	32	8	8	-	8	7-8	9	2500
	Aberdeen	99.3	-2	S	3	bc	49	65	39	7	2	4	1	4-6	4-6	2500
	Wick	98.6	-2	SE	2	bc	46	85	41	8	2	3	-	4-6	4-6	2000
16	Sumburgh	99.4	-18	SSE	5	r°r°	40	97	40	6	6	2	-	9+	10	700
17	Blacksod Point	86.7	-48	SSE	5	RR	48	92	46	7	6	2	-	4-6	10	800
18	Malin Head	92.6	-34	S	4	c	49	75	42	8	5	2	-	4-6	10	2500
	Aldergrove	95.8	-30	SE'S	4	ir°	47	75	41	8	8	7	-	9	9+	1800
19	Birr Castle	91.9	-48	SSW	4	ir°	49	85	44	7	6	2	-	4-6	10	800
20	Valentia Obsy.	84.8	-70	SE'S	7	rr	48	92	46	6	6	2	-	9	10	1500
	Roches Point	91.8	-50	S	7	rr	48	97	47	6	6	2	-	7-8	10	800

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)	°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)
London (Kew)	02.5	-20	SSW	4	r°r°	47	85	44	6	5	2	-	9	10	2500	1	*
Croydon	03.7	-18	SSW	3	ir°	47	85	44	6	6	2	-	7-8	10	1400	1	*
S. Farnborough	02.8	-28	SSW	4	r°r°	47	85	43	7	4	2	-	2-3	10	2000	1	*
Boscombe Down	01.4	-36	S	5	pr	45	97	44	7	9	-	-	10	10	500	1	*
Thorney Island	04.2	-26	S'W	3	rr	46	97	45	7	4	2	-	9+	10	1500	1	*
Lympne	06.6	-26	SSE	1	c	46	92	43	8	5	2	-	2-3	10	6400	1	§4
Manston	05.5	-20	SSW	4	c	47	85	41	7	5	2	-	1	10	6000	1	*
Shoeburyness	05.5	-14	SSW	4	c	48	85	43	8	5	2	-	4-6	10	1500	1	*
Felixstowe	04.7	-18	SSW	4	c	47	85	42	8	8	7	-	4-6	9+	2500	1	3
Gorleston	05.0	-10	SSW	5	c/pr	50	65	40	7	5	7	-	7-8	10	2000	0	3
Mildenhall	02.6	-26	S'E	2	ir°	49	85	44	6	5	2	-	1	10	3000	1	*
Cranwell	00.4	-26	S	4	pr	47	92	45	7	9	2	-	9	10	3000	1	*
Birmingham	98.5	-30	SSE	3	c/r	47	85	43	8	6	2	-	7-8	10	1500	1	*
Upper Heyford	00.7	-22	S'W	3	c	47	85	41	7	5	2	-	2-3	10	1200	1	*
Ross-on-Wye	97.8	-26	S'E	4	ir°	46	92	43	7	6	2	-	9+	10	1500	1	*
Hartland Point	93.1	-42	SW	5	rr	47	85	43	6	6	2	-	7-8	10	800	1	5
Bristol	99.2	-38	SSW	6	r°r°	47	85	43	7	5	2	-	9+	10	800	1	*
Portland Bill	02.0	-28	S	4	rr	45	85	40	7	5	-	-	10	10	2500	1	4
Plymouth	97.2	-50	SSW	7	r°r°	47	92	46	6	6	2	-	7-8	10	700	1	4
The Lizard	94.1	-40	SSW	7	rr	47	97	47	6	5	-	-	10	10	1000	1	6
Scilly (St. Mary's)	92.9	-32	SW	8	r°r°	51	92	48	7	8	3	2	4-6	7-8	1000	1	4
Guernsey																	
Pembroke	90.5	-42	S'E	8	rr	46	97	46	6	8	2	-	7-8	10	2000	1	3
Holyhead (Valley)	90.9	-56	SE'S	6	r°r°	46	85	43	7	6	2	-	9+	10	600	1	5
Chester (Sealand)	95.7	-14	SSE	4	r°r°	48	85	44	6	5	2	-	2-3	10	1500	1	*
Manchester	95.8	-20	S'E	5	z°	49	75	42	6	5	2	-	4-6	10	3000	1	*
Spurn Head	00.4	-20	SSE	5	c	46	92	44	7	8	-	-	9+	9+	4000	0	3
Catterick	97.6	-20	SSE	2	ir°	46	85	43	6	5	-	-	9+	9+	1800	1	*
Tynemouth	98.3	-20	SSE	3	c	47	75	40	7	5	3	-	4-6	7-8	2200	1	2
St. Abbs Head	96.4	-20	SE	4	pr	44	75	37	8	6	6	-	4-6	9	2500	1	3
Leuchars	95.3	-18	SE	4	ir°	45	85	40	6	5	7	-	7-8	10	3500	1	*
Renfrew (Abbots I.)	93.6	-34	SE	3	r°r°	46	92	43	6	5	2	-	9	10	1800	1	*
Eskdalemuir	99.4	-26	S'E	2	rr	43	92	41	6	5	2	-	9	10	1100	1	*
Point of Ayre	92.8	-26	SSE	5	iR	45	92	43	7	6	2	-	9	10	800	1	3
Tiree	89.6	-20	SE	4	r°r°	45	92	43	7	-	2	-	10	10	1500	1	5
Stornoway	92.9	-14	E	3	bc	46	75	45	8	2	4	9	2-3	4-6	4000	1	1
Dalwhinnie	94.3	-28	SSE	4	pr	40	85	35	8	8	2	-	4-6	10	2500	1	*
Aberdeen	96.7	-18	SSE	2	bc	42	75	36	6	4	4	6	2-3	4-6	2900	1	2
Wick	95.6	-22	SE'E	2	bc	43	85	38	8	8	-	6	1	4-6	4000	1	*
Sumburgh	97.0	-10	S'W	2	c	42	92	40	8	5	7	-	7-8	9+	1500	1	3
Blacksod Point	78.2	-46	S'E	7	ir°	47	85	43	7	6	2	-	4-6	10	800	2	6
Malin Head	85.0	-46	SSE	5	ir°	48	75	41	8	6	2	-	4-6	10	1500	1	4
Aldergrove	88.3	-48	SE'S	4	r°r°	46	92	44	7	5	2	-	9+	10	1500	1	*
Birr Castle	83.6	-34	SSW	3	c	49	85	45	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	82.0	-20	W'S	6	c/r	50	92	48	7	6	-	-	10	10	800	1	6
Roches Point	84.9	-24	S	5	ir	50	92	48	7	6	2	-	7-8	9+	800	1	5

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)	bcm°wc	pr°cr°m°	cr°r°cm°	cr° cbc
Croydon	bccpr	prcm°ir°	cm°r°r°	cm°r°r°bc
S. Farnborough	bccpr°	cpr°r°r°	r°r°cm°	r°m°cb
Boscombe Down	cpr°	cpr°	cr°m°pr°	cpr°bcc
Thorney Island	bcpr°c	cr°crr	crrcm°	ccm°ir°b
Lympne	bbcc	cpr°[illegible]	cr°rrm°	r°cr°m°
Manston	bcm°cc	cpr°c	r°r°rr	cir°m°
Shoeburyness	bcmbm°c	c	c	c[illegible]
Felixstowe	bcmbcr	pr°tlcc	cr°r°m°	r°r°idc
Gorleston	bc	cpr°	cr°oir°	oir°r°r°
Mildenhall	bm°cy	cyprkqc	m°ir°r°	cir°m°bc
Cranwell	bcc	cpr°	cr°r°m°	cir°m°bc
Birmingham	bc	bcoir°	or°r°	orc
Upper Heyford	ccy	r°r°r°c	crrqc	ccprbc
Ross-on-Wye	bcr°	rcpcr°	rqcqr°	r°c
Hartland Point	cir°c	cirr r	rrbciRc	cirbc
Bristol	cbr°	cr°r°	crrtr	bccbc
Portland Bill	c	orr	c	c
Plymouth	cm°ir°m°	cr°r°rrm	crrm°cbc	bcwjp
The Lizard	cRrir	rrq	prcbc	cprbc
Scilly (St. Mary's)	cir°r°	r°orr	cpbcb	bbcp°
Guernsey				
Pembroke	cpr	crrqm	cprbcq	bcq
Holyhead (Valley)	cir°	cr°r	ir°m°	ir°bc
Chester (Sealand)	bccpr°	PRcr°m°	cr°r°m°	cpr°r°
Manchester	cPR	ccm°	ir°m°	cm°rr
Spurn Head	bc	c	cr°r°	cr°
Catterick	cbccy	ir°cm°	cr°r°m°	cr°mir°
Tynemouth	cmc	c	coir°	cir°
St. Abbs Head	bc	bccr°c	cprom°rr	om°p
Leuchars	bc	ccir°	Rr°m°	r°r°ir°cm°c
Renfrew (Abbots I.)	cm°c	ccm°r°r°	r°r°ir°m°	rrm°r°r°
Eskdalemuir	cir°	cpr°rr	rm°r°m°	crr
Point of Ayre	r°r°	r°r°	rrr°r°	r°r°c
Tiree	bc	odr°	orrr°	od°rr
Stornoway	bc	cbc cbc	r°r°	cr°r°c
Dalwhinnie	c	cpr°o	*	oir
Aberdeen	bcpr°	bbcz	bcr°r°	cr°ir°
Wick	cbc	bc	bccir°	cir°m°
Sumburgh	cm°rr°r°	cr°r°c	bc	bcr°r°m°
Blacksod Point	r	r	r	pr
Malin Head	r	r	r	r
Aldergrove	ccir°	cir°r°r°	r°r°m°cr°r°	rrm°cr°c
Birr Castle	r	r	*	pr
Valentia Obsy.	r	pr	pr	pr
Roches Point	r	pr	r	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 5th April 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales ♣; 8 N.W. England ♣; 9 N. Midlands; 10 N.E. England	Moderate or fresh squally S.W. wind strong locally. Bright intervals, showers, local hail and thunder. Average temperature.
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 to fresh squally south wind, strong locally on coasts veering west. Rain at times, bright intervals, local thunderstorms, average temperature.
16 Orkneys and Shetlands	As 11-15
17 N.W. Ireland; 18 N.E. Ireland ♣; 19 S.E. Ireland ♣; 20 S.W. Ireland	Moderate or fresh squally southwest wind, strong locally veering west. Bright intervals, showers, local hail and thunder. Average temperature.

GENERAL INFERENCE

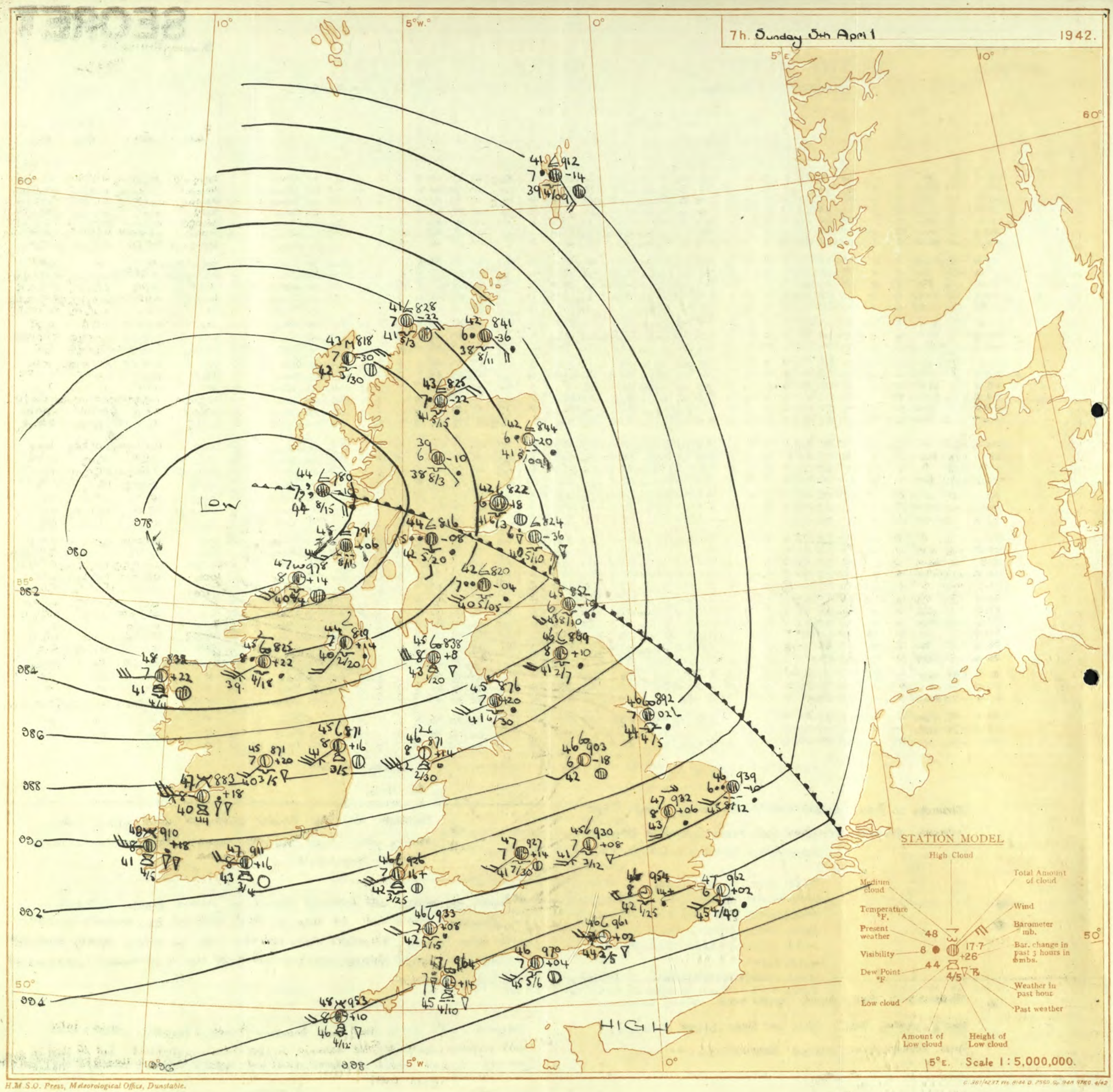
A deep depression off northwest Ireland is moving slowly northeast. In Scotland there will be rain at first followed by showery conditions with local thunder. Elsewhere there will be fresh or strong squally southwest winds with bright intervals. Showers and local hail and thunder. Temperature will be about average.

FURTHER OUTLOOK

Showers, with local hail and thunder. Probably becoming colder later with northerly winds. ♣ Gale warning in operation in districts 7, 8, 18 and 19 (part of) Time of issue 11.20 G.M.T. 4.4.42 and in operation in districts 12 and 18 part of Time of issue 13.30 G.M.T. 4.4.42.

Forecasts issued at 10.30 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

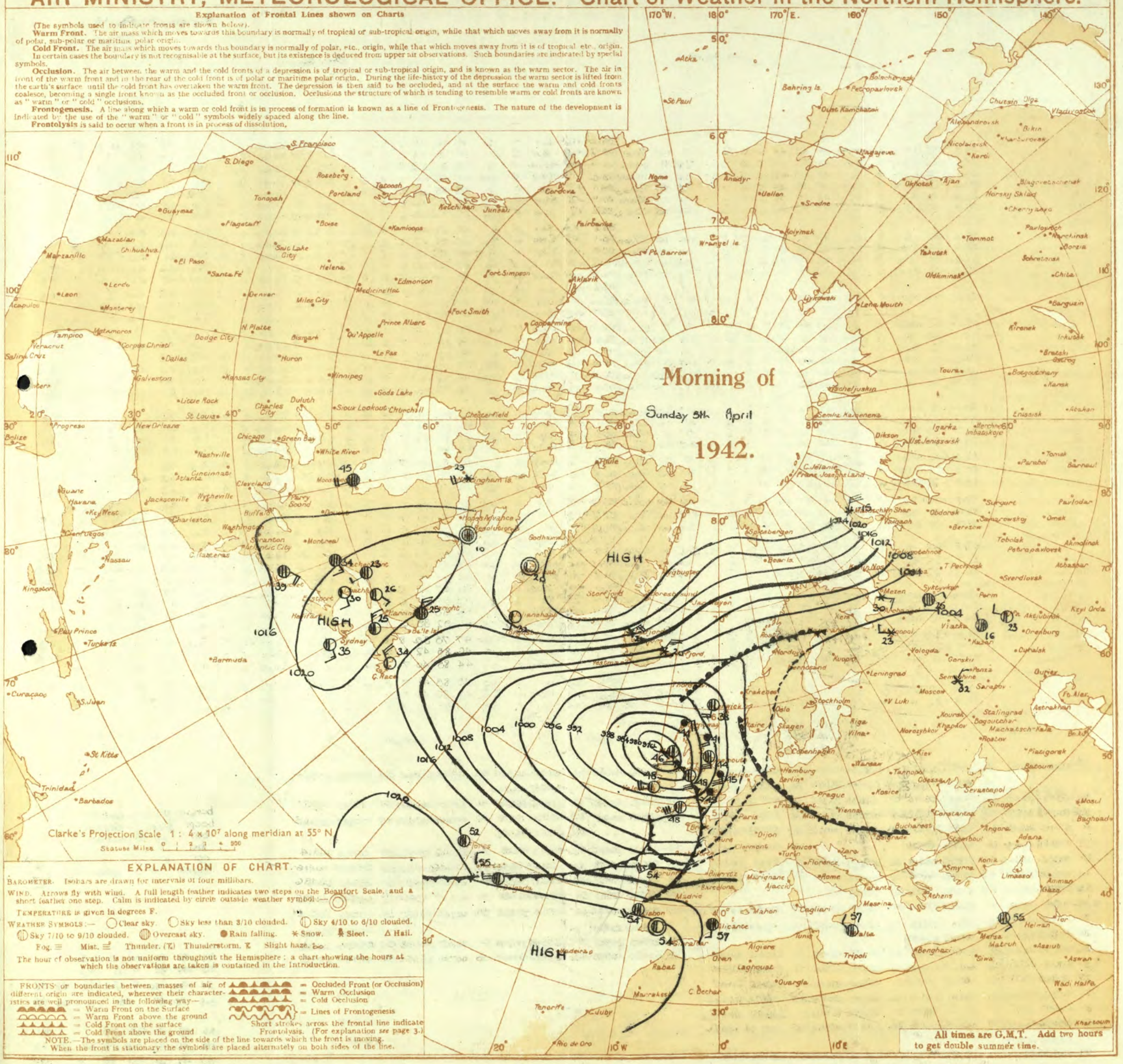
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Sunday 5th April 1942

No. 29,354

OBSERVATIONS at 1 hr. G.M.T. 5th April — OBSERVATIONS at 7 hr. G.M.T. 5th April — PAST 24 HOURS.

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind 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)	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0-12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)	Max. Day 7h-18h °F (33)	Min. Night 18h-7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h-18h mm. (36)	Rainfall Night 18h-7h mm. (37)	Sunshine 4th Hrs. (38)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*	95.0	+12	SW	4	z	47	85	43	6	5	-	1	4-6	4-6	2500	1	*	51	45	42	0.1	3	4.3
	Croydon	290	94.9	-38	SSW	3	r°r°	45	97	44	6	6	2	-	9	10	700	95.2	+10	SW	2	c	47	85	43	7	5	4	3	7-8	7-8	3500	1	*	53	44	42	1	8	4.3
	S. Farnborough	226	94.5	-30	SSW	3	c/r	46	92	44	6	5	7	-	7-8	9+	1000	95.4	+14	SW'W	4	b	46	85	42	8	5	-	-	Tr	Tr	2500	1	*	54	44	41	0.3	5	4.6
	Boscombe Down	417	94.1	-10	SW'S	5	pr	47	97	46	6	8	-	-	10	10	1100	95.6	+12	SW'S	3	bc	48	92	41	7	4	3	-	2-3	4-6	2000	1	*	51	42	39	2	5	2.0
	Thorney Island	10	96.0	-24	SW'S	3	c/r	47	92	46	6	8	-	-	7-8	9+	2000	96.1	+2	W	4	b	46	92	44	7	5	4	-	1	1	2500	1	*	52	45	42	1	5	*
	Lympne	283	99.0	-40	SW	3	r°r°	48	97	43	6	5	-	-	10	10	1500	97.7	-2	SSW	3	z	46	97	46	5	5	-	-	10	10	300	1	5	51	43	42	Tr	6	5.4
	Manston	154	97.8	-42	S	5	rr	44	92	42	6	5	2	-	9+	10	1500	96.2	+2	SW	4	z	47	92	45	6	5	-	-	4-6	4-6	4000	1	*	53	43	41	0.1	2	6.6
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96.2	+4	SW	4	c	48	85	44	7	5	3	-	2-3	7-8	2500	1	*	54	44	43	-	1	6.9
	Felixstowe	12	98.0	-36	S	5	r°r°	44	92	41	6	5	-	-	10	10	2700	95.1	+2	SW'S	4	c/d	46	92	44	7	5	-	-	7-8	7-8	2500	1	5	53	43	41	1	3	7.2
	Gorleston	5	98.4	-36	S'W	6	ir°	42	97	42	6	6	-	-	10	10	1500	93.9	-10	SW	4	r°r°	46	92	45	6	6	-	-	10	10	1200	1	5	54	41	40	Tr	2	7.0
	Mildenhall	15	94.8	-38	S'E	5	r°r°	45	92	42	6	5	2	-	7-8	10	1900	93.2	+6	SSW	4	bc	47	85	43	8	-	-	2	0	4-6	-	1	*	55	44	40	0.5	1	7.0
	Cranwell	203	92.5	-38	SSE	6	ir°	44	97	43	6	6	2	-	9+	10	900	90.9	+10	SW'S	5	c	46	75	40	7	5	3	9	2-3	7-8	2500	1	*	54	43	42	0.4	1	7.8
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	92.2	+8	SW	3	c	45	75	38	6	5	-	-	9+	9+	1500	1	*	52	42	40	2	4	4.6
	Upper Heyford	408	92.3	-30	SSW	4	c/d	45	97	44	7	5	-	-	9	9	800	93.0	+8	SW'S	4	bc	45	85	41	7	5	4	3	2-3	4-6	1200	1	*	53	43	39	0.2	4	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	92.7	+10	SW	3	c	47	85	42	7	5	-	-	9+	9+	3000	1	*	52	44	40	3	6	1.8
5	Hartland Point	299	91.4	+10	WSW	6	c	47	85	43	7	8	-	-	9	9	1500	93.3	+8	WSW	4	bc	46	85	42	7	5	4	-	2-3	4-6	1500	1	5	50	45	43	5	3	0.0
	Bristol	209	93.2	-10	S	4	pr	48	85	45	5	3	2	-	7-8	10	1900	94.8	+14	SW	4	bc	45	85	41	7	5	3	-	1	4-6	4000	1	*	53	45	38	0.4	5	3.1
	Portland Bill	32	96.3	-2	SW	5	c	44	92	42	7	5	-	-	10	10	2500	97.0	+4	SW	5	c	46	92	44	7	5	-	-	7-8	7-8	4000	1	5	47	42	*	2	1	*
	Plymouth	82	94.6	+6	WSW	5	c	48	92	46	7	5	3	-	4-6	9+	1500	96.4	+14	WSW	4	PR	47	92	45	7	9	7	-	4-6	9	1000	1	3	49	44	41	7	5	0.0
	The Lizard	240	95.3	+10	WSW	5	bc	47	85	44	8	8	-	-	4-6	4-6	2000	96.3	+8	WSW	5	bc/pr	48	92	46	7	8	6	-	4-6	4-6	2000	1	5	49	45	*	6	1	0.0
	Scilly (St. Mary's)	163	94.3	0	W'S	6	c	48	85	43	7	8	-	2	1	10	1500	95.3	+10	WSW	4	c	48	92	46	8	8	6	-	4-6	9	1200	1	4	51	47	*	5	21	0.4
	Guernsey	175																																						
6	Pembroke	142	89.4	+8	SW'W	7	bcq	47	85	43	7	2	-	-	2-3	2-3	4000	92.5	+22	SW'W	6	bcq	47	85	43	8	2	4	-	2-3	4-6	2500	1	4	47	40		4	3	0.1
7	Holyhead (Valley)	32	83.2	-22	SSE	7	c/r	48	85	44	7	5	2	-	9	10	2200	87.1	+14	SW'W	7	bc	46	85	42	8	2	-	4	1	2-3	3000	1	5	50	45	41	1	4	*
	Chester (Sealand)	16	86.7	-28	SSE	4	r°r°	45	85	43	6	5	2	-	9	10	1400	88.9	-18	SW	3	pr	47	85	42	8	9	-	6	4-6	7-8	1000	1	*	55	45	39	1	4	3.6
8	Manchester	235	88.3	-30	SSE	5	c	45	85	40	7	5	3	-	4-6	10	1700	88.9	+14	SSW	4	c	44	85	41	8	4	3	2	4-6	8	4000	1	*	52	44	40	1	4	*
10	Spurn Head	29	93.4	-46	SSE	6	r°r°	45	92	42	7	3	-	-	9+	9+	2500	89.2	-2	SW'S	5	c	46	92	44	7	4	7	-	4-6	9+	2500	1	4	53	45		-	2	8.1
	Catterick	175	89.7	-32	SSE	4	ir	44	97	42	5	5	2	-	9+	10	700	86.6	+8	SW'S	3	ir°	46	75	39	7	5	-	-	7-8	9+	600	1	*	51	43	40	Tr	5	5.5
	Tynemouth	108	89.9	-28	SSE	6	o/r	44	92	43	7	5	-	-	10	10	1500	85.2	-10	SW	3	o/r	45	92	43	6	5	-	-	10	10	1000	1	4	52	42	41	-	1	*
11	St. Abbs Head	280	88.8	-30	SE	7	ir°	41	97	41	6	5	-	-	10	10	1500	82.4	-36	SE	5	pr	41	97	40	6	5	2	-	7-8	10	1000	1	4	53	40		Tr	0.5	
	Leuchars	36	87.4	-38	SE	3	r°r°	42	97	42	6	5	2	-	4-6	10	700	82.2	-18	-	0	z	42	97	41	6	5	4	-	9	10	700	1	*	51	41	39	Tr	4	5.9
12	Renfrew (Abbots I.)	19	84.9	-38	ESE	3	m/r	46	85	41	4	5	2	-	9+	10	1600	81.6	-8	S	1	r°r°	44	92	42	5	5	2	-	7-8	10	2000	1	*	50	43	39	1	2	1.9
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	82.0	-4	SW	5	r°r°	42	92	40	6	5	2	-	7-8	10	500	1	*	49	40	40	1	9	1.9
	Point of Ayre	30	82.8	-30	S	5	r°r°	45	97	44	7	6	2	-	7-8	10	1000	83.8	+8	W'S	6	c	45	92	43	8	2	7	-	Tr	9+	2000	1	4	50	43	*	1	11	3.9
13A	Tiree	22	81.5	-30	SE	4	r°r°	44	97	43	7	-	2	-	10	10	1500	78.0	-10	SE'E	4	dd	44	97	44	7	-	2	-	10	10	1500	1	5	49	43	*	0.2	7	6.3
13B	Stornoway	80	86.6	-22	ENE	4	r°r°	44	92	42	8	5	2	-	4-6	9+	2500	81.8	-30	ENE	5	c	43	97	42	7	5	8	2	2-3	7-8	3000	1	3	47	41	*	-	0.4	10.7
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	81.0	-10	SE	1	o	39	97	38	6	5	-	-	10	10	800	1	*	45	37	36	Tr	4	5.9
	Aberdeen	79	90.0	-38	SSE	4	r°r°	41	97	40	6	6	2	-	9+	10	500	84.4	-20	SE	3	ir°	42	97	41	6	6	2	-	7-8	10	900	1	3	50	41	39	Tr	3	6.4
	Wick	114	90.6	-26	SE	4	ir°	41	92	39	7	5	2	-	7-8	10	2800	86.1	-36	SE'E	4	ir°	42	85	38	6	5	-	-	10	10	1100	1	*	47	41	37	Tr	1	*
16	Sumburgh	19	94.4	-16	SSW	3	bc	40	92	38	8	5	-	6	1	2-3	2000	90.0	-12	SE	5	rr	41	92	39	6	6	-	-	10	10	800	1	4	42	39	36	7	3	0.0
17	Blacksod Point	18	98.4	+20	SW	7	rr	48	97	47	6	6	2	-	4-6	10	800	82.6	+20	W'S	6	c/pr	47	75	39	8	8	-	5	4-6	9+	1500	2	5	50	45	*	8	13	1.9
18	Malin Head	84	78.1	-22	S'E	4	c	46	92	44	7	6	2	-	7-8	10	1500	77.2	+10	SW	5	ir	46	85	42	8	8	-	-	9+	9+	1500	*	4	49	43		0.5	4	0.0
	Aldergrove	268	80.7	-18	SSE	3	r°r°	45	92	43	7	5	2	-	4-6	10	2700	81.9	+14	SW'S	4	c	44	85	40	7	5	-	6	1	7-8	2000	1	*	49	43	41	0.3	4	0.5
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	87.1	+20	SW	3	bc	45	85	41	7	5	-	-	2-3	2-3	2500	1	*	50	43	40	1	4	0.0
20	Valentia Obsy.	30	88.4	+12	W'S	5	c	48	75	41	8	2	-	-	7-8	7-8	2500	90.3	+14	WSW	5	PR	48	85	44	7	3	-	-	9+	9+	2500	1	5	53	45	42	16	3	
	Roches Point	22	88.8	+22	W	4	bc	45	85	41	8	5	-	5	2-3	4-6	1500	90.6	+14	W	4	bc	46	85	42	8	3	-	-	4-6	4-6	1500	1	5	51	45	*	8	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE.

III	13h. G.M.T. 4th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02847	21267	40	00851	11303	57	02864	10318	6-	62538	10468
115				54	02944	04385	54	02844	08325	62	02735	08428
203	84	02943	16415	54	02944	08316	5-	62838	32368	6-	62828	08368
206	20	02965	20215	43	02864	16326	5-	62658	12368	52	61745	06468
210	8-	02965	20215	46	02865	14226	5-	02768	06328	62	61745	08328
220	83	02844	16415	52	63746	17528				62	66436	14568
230	8-	02956	16316	52	51856	08288	52	62745	06168	57	62744	08267
245	20	01854	20315	47	02765	16416	02	64668	14468	67	22624	14467
260	30	02854	19215	57	61855	11225	52	02753	11228			
278	52	61847	14328	5-	62638	12468	6-	02748	14468	57	22856	20367
279	7-	02955	16427	52	6284	15268	57	22745	14367	62	64646	19668
285	27	02855	22516	27	81635	16488						
288	26	02755	20225	57	61664	16267	62	62537	48468	52	22846	20367
575	5-	61848	12268	62	64637	47468	52	62635	16368	57	61844	53568
301	27	81765	17427	52	62655	14568	5-	25666	47686	5-	02766	21667
321	2-	01756	18416	42	02753	50428	52	62645	50468	59	02872	20466
299	8-	05647	18317	8-	02746	18316	8-	62648	16568	5-	22647	22467
292	2-	05654	16214	52	05645	46488	62	62637	47468	57	02754	18366
210	--	01634	20414									
614	44	05655	20226	5-	51658	18268	62	05545	49468	07	05690	20224

III	13h. G.M.T. 4th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	8-	81748	16588	52	62746	14568	82	81745	53668	54	01753	20584
334				--	64647	26368						
340	27	25855	20587	52	22845	16568	52	61746	48668	56	81847	20387
136	20	02855	19415	87	81854	17408	62	62644	18568	03	00890	19563
336				62	64626	16528						
350	86	02855	51426	87	02843	17388	5-	22766	49466	07	01790	18314
368	82	81647	21488	62	62645	48488	62	22646	55568	53	05654	19416
379	23	25746	20487	52	62637	53588	6-	61637	49567	5-	25746	53486
390	86	25555	19387	52	05544	16488	52	62547	49568	53	05544	22485
382	82	81645	18426	62	61824	50358	53	02765	18467	53	02745	20326
438	--	48109	22429							--	46209	22509
430	5-	25745	20587	5-	62548	17368	5-	22637	53568	04	05690	20381
409	52	62735	18568	62	64616	50668	00	00790	22560	80	02744	22515

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 5th 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	bcmowc	procromo	cromocbc	
Croydon	bccpr	prcmoiro	cmororobc	Kew 24 hours ended 7h.
Greenwich	bcc	cp ⊕	crorrbcc	
Camden Square	bc	c	*	Max. 0.1 Time 14-20h 4th
Kensington	cpr	cr	*	
Hampstead	bcpohr	or	obbc	Min. <0.1 Time 0-7h 5th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	51	45	42	0.1	3	4.3	*	*
Croydon	53	44	42	1	8	4.3	*	*
Greenwich	54	44	40	Tr	3.1	4.1	63	72
Westminster	54	49	43	2.5		*	65	79
Regents Park	'							
Camden Square	56	45	41	0.5	2.8	*	*	70
Kensington	56	45	43	0.3	2.8	*	79	76
Hampstead	53	42	41	0.1	1.9	*	*	73

SECRET

Page 1 BRITISH SECTION

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

Monday 6th April 1942

No. 29355

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)	96.6	+4	SW	5	c	53	55	35	8	8	3	-	7-8	9+	2500
	Croydon	96.5	+6	SW	3	c	55	55	39	8	2	6	4	4-6	7-8	2500
	S. Farnborough	97.1	+6	WSW	5	c	55	55	38	8	2	4	8	4-6	7-8	3000
	Boscombe Down	99.5	+10	SW	5	c/pr	52	85	46	7	3	-	4	7-8	7-8	2000
	Thorney Island	98.6	+10	SW	4	c	54	75	43	7	2	6	-	4-6	7-8	1500
	Lympne	99.5	+10	SW	4	c	52	75	46	8	2	6	3	7-8	9	2500
	Manston	97.6	+6	SW	5	c	54	65	43	8	2	-	3	9	9	3000
2	Shoeburyness	97.1	0	SSW	4	c	55	55	40	7	3	-	8	7-8	7-8	2500
	Felixstowe	96.5	+8	SW'W	4	c	53	65	43	8	8	-	-	7-8	7-8	2000
	Gorleston	93.5	+10	SWW	4	c/pr	54	65	42	7	8	-	-	7-8	7-8	1500
	Mildenhall	95.0	+14	SWW	5	c/pr	55	65	34	8	8	-	-	7-8	7-8	2000
	Cranwell	92.8	+10	SWW	8	c/pr	55	65	42	8	9	6	-	9	9+	2000
3	Birmingham	93.6	+10	WSW	3	c/pr	52	55	38	8	8	-	-	9+	9+	1500
	Upper Heyford	94.8	+6	WSW	4	bc/pr	53	55	39	8	2	-	3	4-6	7-8	2500
4	Ross-on-Wye	94.8	+8	WSW	4	pr	52	65	41	8	2	-	-	2-3	2-3	3000
5	Hartland Point	96.7	+18	WSW	5	bc	48	85	43	8	2	4	5	2-3	4-6	2500
	Bristol	97.2	+12	W'S	4	bc	53	65	40	8	3	3	1	4-6	4-6	2500
	Portland Bill	98.7	+14	W	4	o	47	92	45	8	5	-	-	10	10	2500
	Plymouth	99.2	+22	SSW	6	pr	52	75	44	8	3	-	-	9	9	2000
	The Lizard	99.8	+18	W	5	bc	52	85	48	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	99.3	+22	WSW	5	bc	54	75	47	8	8	6	2	2-3	4-6	1200
	Guernsey															
6	Pembroke	95.1	+4	SW'W	7	bc	49	85	44	8	2	4	1	2-3	4-6	2500
7	Holyhead (Valley)	90.8	+22	SW	7	c	50	85	44	8	2	6	-	2-3	7-8	3000
	Chester (Sealand)	92.0	+18	SWW	5	bcq	57	45	37	8	2	4	-	4-6	4-6	1800
8	Manchester	91.6	+6	SWW	5	c/pr	53	65	39	8	3	-	3	4-6	7-8	2000
10	Spurn Head	91.6	+6	WSW	6	cq	52	75	43	7	8	6	-	4-6	9	2500
	Catterick	89.7	+22	WSW	5	c/pr	51	55	37	8	8	7	-	9	9+	1500
	Tynemouth	89.3	+18	SW	5	c	52	65	41	7	8	3	-	4-6	7-8	2200
11	St. Abbs Head	83.4	+16	W	5	c	50	65	39	8	8	7	4	4-6	9	2000
	Leuchars	82.6	+8	SW	4	c	51	75	43	7	5	-	1	7-8	9	2000
12	Renfrew (Abbots I.)	83.7	+14	SW'S	4	c/pr	52	65	42	8	8	6	-	7-8	9	2000
	Eskdalemuir	85.5	+20	SW	5	pr	47	85	42	6	8	7	-	9+	10	1100
	Point of Ayre	87.2	+12	W	7	bc	55	65	42	8	1	4	5	1	2-3	2500
13A	Tiree	75.2	-10	SSW	4	c/r	50	92	48	7	-	2	-	9	9	1500
13B	Stornoway	79.7	-12	NE	4	c	47	85	43	7	5	7	7	4-6	10	2500
15	Dalwhinnie	81.9	0	S	2	r.r.	43	85	41	7	5	2	-	9	10	1500
	Aberdeen	82.6	-6	SE	2	df	42	97	42	2	-	-	-	10	10	<150
	Wick	84.0	-6	SE'E	4	z.	42	97	42	6	5	-	-	10	10	900
16	Sumburgh	88.4	-10	ESE	5	r.r.	41	92	39	6	6	-	-	10	10	800
17	Blacksod Point	87.1	+22	WSW	6	c	52	75	44	8	3	-	-	7-8	7-8	2500
18	Malin Head	80.8	+22	SW	7	c	51	75	43	8	5	7	6	4-6	9	2500
	Aldergrove	85.5	+18	SWW	5	bc/pr	51	65	40	9	3	6	1	2-3	2-3	3000
19	Birr Castle	90.6	+18	W	5	bc/pr	53	55	39	7	3	-	-	7-8	7-8	800
20	Valentia Obsy.	94.2	+18	W'S	6	c/pr	53	65	42	8	2	6	-	4-6	4-6	2500
	Roches Point	94.1	+18	W	4	c/pr	51	75	43	8	3	-	3	4-6	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. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)
London (Kew)	99.3	+12	WSW	3	c	51	65	40	7	8	-	-	7-8	7-8	2500	1	•
Croydon	99.4	+16	WSW	3	bc	52	65	41	7	2	-	3	2-3	2-3	2500	1	•
S. Farnborough	99.4	+14	WSW	4	bc/pr	50	75	42	8	9	6	-	4-6	4-6	2500	1	•
Boscombe Down	99.7	+14	W'S	4	bc	51	75	42	8	3	-	-	2-3	2-3	2500	1	•
Thorney Island	00.9	+14	WSW	4	b	50	85	44	7	3	6	-	Tr	1	1500	1	•
Lympne	01.4	+14	WSW	4	bc	47	85	42	8	1	6	-	2-3	4-6	3200	1	§ 4
Manston	99.4	+18	WSW	5	c	51	65	38	8	2	9	3	Tr	9	2500	1	•
Shoeburyness	99.3	+18	WSW	4	bc	51	85	41	8	1	4	-	Tr	4-6	3000	1	•
Felixstowe	98.3	+22	WSW	4	c	53	65	40	8	8	4	6	1	7-8	1500	1	4
Gorleston	96.8	+14	SW	4	c	51	75	43	7	8	-	-	7-8	7-8	2400	1	3
Mildenhall	97.1	+16	W	2	pr	50	85	45	8	9	-	-	9+	9+	1500	1	•
Cranwell	94.9	+14	SWW	5	cjp	52	75	43	7	2	-	-	7-8	7-8	2200	1	•
Birmingham	96.6	+2	SW	3	bc/pr	48	85	43	8	3	-	-	2-3	2-3	2500	1	•
Upper Heyford	97.6	+24	WSW	4	bc	51	65	37	8	3	-	-	4-6	4-6	2500	1	•
Ross-on-Wye	97.5	+14	WSW	5	bcq	51	65	40	8	8	-	-	2-3	2-3	3000	1	•
Hartland Point	99.2	+18	WSW	4	bc	49	85	44	7	1	4	4	Tr	2-3	2500	1	4
Bristol	99.5	+14	W	4	bc	51	65	41	8	8	4	-	2-3	2-3	2500	1	•
Portland Bill	00.8	+10	WSW	5	bc	48	92	46	8	2	-	-	4-6	4-6	4000	1	5
Plymouth	02.0	+20	WSW	5	c	50	85	46	8	8	-	-	7-8	7-8	2000	1	4
The Lizard	02.5	+10	WSW	5	bc	49	92	46	6	4	-	-	2-3	2-3	2500	1	4
Scilly (St. Mary's)	01.6	+12	WSW	5	b	51	85	47	7	-	-	-	0	0	-	1	4
Guernsey																	
Pembroke	97.7	+14	SW'W	6	bc	48	85	45	7	2	6	-	2-3	4-6	3000	0	4
Holyhead (Valley)	93.0	+18	SW'S	6	bc	49	85	44	8	2	6	3	1	2-3	2500	1	5
Chester (Sealand)	94.3	+18	WSW	4	bc	52	55	38	8	3	4	3	2-3	2-3	2500	0	•
Manchester	94.1	+18	WSW	5	bc	50	65	39	9	4	4	-	4-6	4-6	2500	1	•
Spurn Head	93.5	+10	WNW	3	c	50	85	43	7	3	6	-	4-6	7-8	2500	1	3
Catterick	91.8	+18	WSW	3	bc	50	65	39	8	5	3	-	4-6	4-6	2500	1	•
Tynemouth	89.5	+10	WSW	6	bcq	51	65	37	7	2	3	-	2-3	4-6	2200	1	3
St. Abbs Head	86.6	+26	WSW	6	PR	43	75	31	8	8	7	-	7-8	9	1500	1	3
Leuchars	83.8	+10	SW	5	c/pr	49	75	41	8	3	7	2	2-3	7-8	2500	1	•
Renfrew (Abbots I.)	85.7	+18	WSW	4	cjp	50	75	41	8	8	6	2	4-6	7-8	2000	1	•
Eskdalemuir	87.6	+20	SW	5	pr	45	85	40	7	8	7	-	9+	10	1400	1	•
Point of Ayre	90.3	+12	W	6	bc	49	75	41	8	3	-	6	2-3	4-6	2500	1	4
Tiree	80.5	+30	WNW	4	ir	46	92	44	7	-	2	-	9+	9+	1500	1	5
Stornoway	79.2	+4	NE	4	c	46	92	44	7	5	7	-	7-8	10	2500	1	3
Dalwhinnie	81.3	0	SSW	4	ir.	42	85	40	7	5	-	-	9	9	1500	1	•
Aberdeen	82.2	-4	SW	5	bc	50	65	39	7	8	4	3	4-6	4-6	2700	1	3
Wick	82.5	-10	ESE	4	ir.	41	97	40	6	5	-	-	10	10	600	1	•
Sumburgh	85.2	-22	E'S	5	c/r	40	92	39	6	6	-	-	10	10	800	1	4
Blacksod Point	88.2	0	W'S	5	c/pr	50	75	42	8	9	-	-	9+	9+	2500	1	4
Malin Head	85.3	+26	W	5	c/pr	48	75	40	8	2	-	3	4-6	7-8	4000	1	5
Aldergrove	88.7	+18	SWW	5	bc	50	65	38	8	8	6	3	2-3	4-6	2500	1	•
Birr Castle	92.6	+8	WNW	4	c	50	75	42	7	9	2	-	7-8	10	800	1	•
Valentia Obsy.	92.6	-6	SW'S	6	c	52	85	47	7	5	-	-	9+	9+		1	4
Roches Point	96.1	+8	SSE	4	bc	51	75	43	8	3	3	-	4-6	4-6	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.—7h. 6th (42)
London (Kew)	cm.z.cy	cyc	cbc	bccpr.c
Croydon	cbcy	bcycobc	bcbm.	bm.wd.d.
S. Farnborough	bcy	bccphr.bc	bbcpr.	bccm.pr.
Boscombe Down	cbc	cprq	bbcbm.	bm.cm.
Thorney Island	bcprbc	cPrbt	bbcmrm.	oid.cm.
Lympne	cm.c	cpr.bc	bc	com.
Manston	bccm.cy	cbccy	cbcbbm.	bm.cm.w
Shoeburyness	bccy	cybc	bbc	bcb
Felixstowe	c	cbccyc	cbbm.	bm.wbcc
Gorleston	cpr.	cpr.bcc	cpr.b	bbc
Mildenhall	bccpr.	bccjpypr.	cpr.jpb	b.c
Cranwell	bccpr.	cPR	bbcb	b.c
Birmingham	cbcpr.	cPhrtbc	bc	co
Upper Heyford	bccpr	bcy	bcb	bbccm.
Ross-on-Wye	Pp.bc	p.bcq	bcc	c
Hartland Point	bc	bc	bcbbc	bcc
Bristol	bcpr.c	bcbyb	bbm.cm.	cbcbm.
Portland Bill	cprc	bc	bc	c
Plymouth	bccjlirpr.	cpr.	cbbc	bbccw
The Lizard	bc	bcz.	bcw	cbbw
Scilly (St. Mary's)	cp.bc	cp.bcb	bylbc	cbc
Guernsey				
Pembroke	bcq	bc	bcq	cq
Holyhead (Valley)	bbcc	cbc	bccbc	ccm.
Chester (Sealand)	prq	cqypr.bc	bc	bcpr.c
Manchester	cpr.	cPRbc	bc	c
Spurn Head	cq	bc	bc	bc
Catterick	cr.pr.	pr.cyb	cpr.c	cm.
Tynemouth	c	cbcq	bc	bcc
St. Abbs Head	omcm.irc	cpr	cprbcpr.	bcco
Leuchars	cmorrc	cbccpr	bbpr.	cpr.pr.cm.
Renfrew (Abbots I.)	lir.pr.c	cprojp	pr.prpr.	pr.r.r.
Eskdalemuir	cpr.	cpr.cpr	cprbc	coRrr
Point of Ayre	cbc	bprcbc	bcprb	prcr.r.
Tiree	cdir	corrir	cpr.	cbc
Stornoway	cr.r.	cpr.	c	cpr
Dalwhinnie	Or.r.	oir.c	*	coirc
Aberdeen	ff r.r.	fr.bc.	bcir.	bc
Wick	r.r.m.cm.	id.cir.	rrcr.r.	r.r.d.d.m.c
Sumburgh	cr.r.m.	mor.r.m.	cir.c	cm.id.
Blacksod Point	pr	pr	pr	pr
Malin Head	r	r	bc	pr
Aldergrove	bccPRm.	cpr.bc	pr.bcc	bcpr.cir.
Birr Castle	pr	pr	*	pr
Valentia Obsy.	pr	pr	ctlrc	pr
Roches Point	pr	pr	bc	d

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

DISTRICTS.

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

Moderate to fresh southwest wind, strong to gale locally on west and southwest coasts. Showers with hail and thunder locally. Some bright periods, Average temperature to rather cool.

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

Variable winds becoming northerly moderate. Occasional rain or showers, perhaps sleet later. Average temperature becoming 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 or fresh southwest wind veering West or Northwest later. Local showers of rain or hail, bright intervals. Average temperature becoming rather cold.

GENERAL INFERENCE

A depression centred off northwest Ireland is moving northeast. There will be some rain or showers in most districts, with hail and thunder locally in the South, and perhaps sleet later in the extreme north. Temperature will fall generally.

FURTHER OUTLOOK

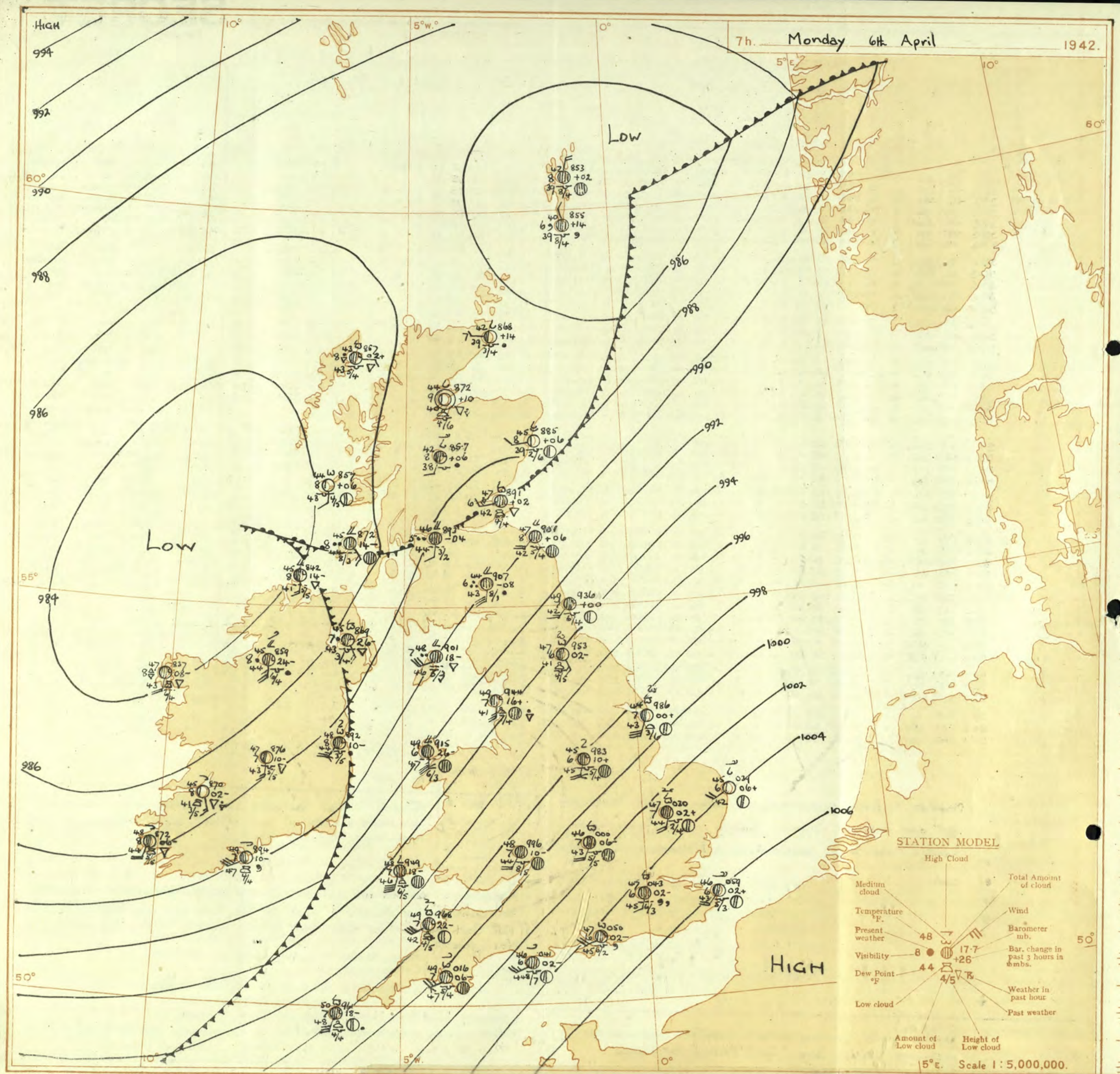
Showery conditions with temperature falling generally.

♦ Gale warning in operation in districts 5, 6, 7, 8, 12, 13a part of, 17, 18, 20.

Time of issue 1120 4/4, 1330 4/4, 2100 5/4, 2315 5/4, 0800 6/4

Forecasts issued at

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

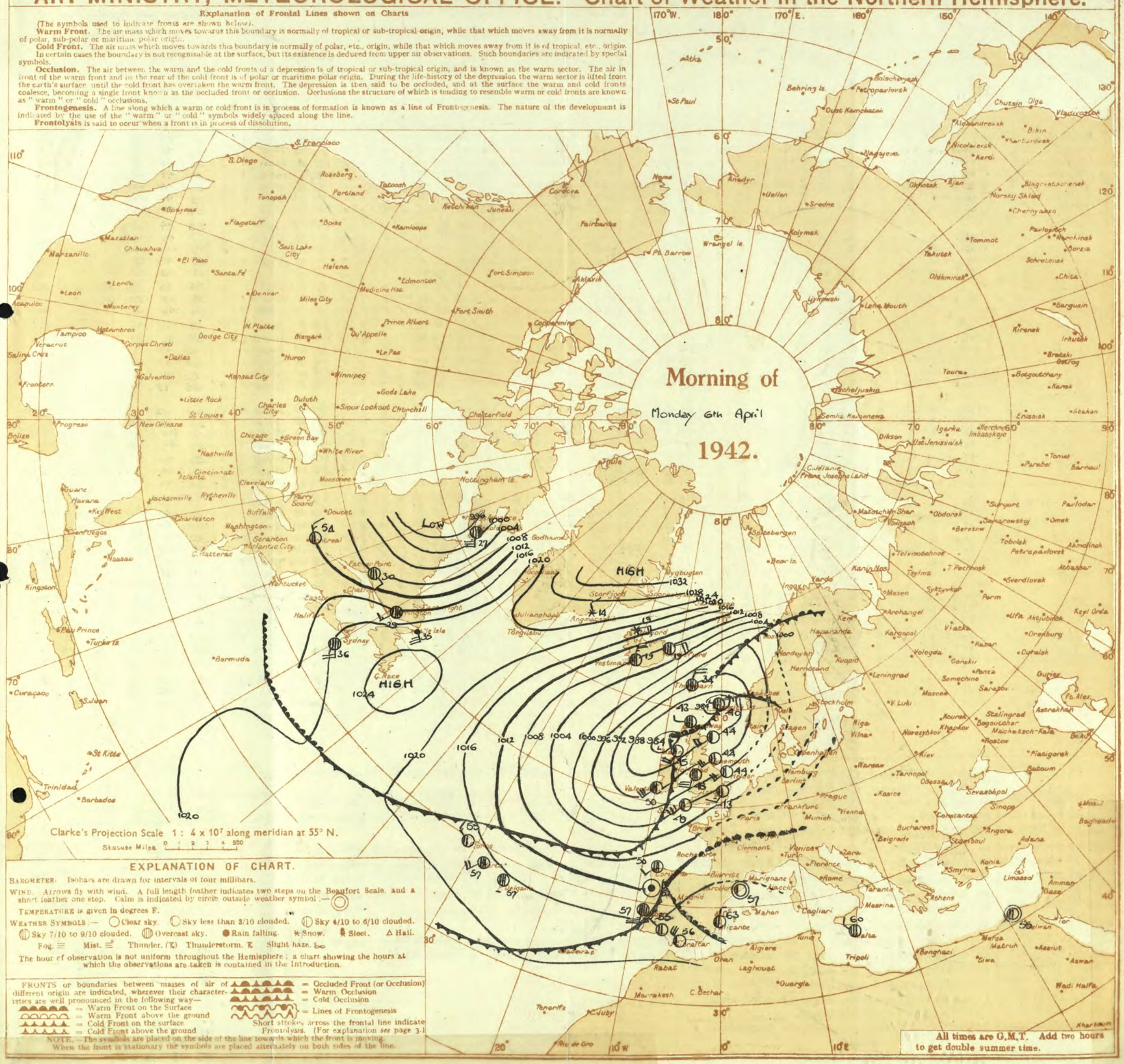
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Monday 6th April 1942

No. 29355

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)	°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	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon	290	04.2	+14	SSW	3	b	43	92	41	6	-	4	1	0	1	-
	S. Farnborough	226	04.3	+10	SW	4	bc	44	92	43	7	-	-	1	0	4-6	-
	Boscombe Down	417	04.1	+6	SW'S	4	b	43	97	42	6	-	-	9	0	1	-
	Thorney Island	10	05.2	+10	WSW	3	z.	47	92	45	6	5	-	-	7-8	7-8	1100
	Lympne	283	06.1	+18	WSW	2	c	43	97	42	7	5	-	-	7-8	7-8	4000
	Manston	154	05.0	+22	SW	3	z.	43	92	41	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	03.2	+18	SW	3	z.	44	85	41	6	-	-	-	0	0	-
	Gorleston	5	02.5	+26	WSW	3	b	44	85	41	7	-	-	-	0	0	-
	Mildenhall	15	01.8	+18	SW	4	b	45	97	44	8	-	-	-	0	0	-
	Cranwell	203	99.8	+14	SW'S	4	b	43	92	41	7	-	4	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01.7	+14	SW'W	4	bc	44	92	41	7	5	4	5	Tr	2-3	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00.4	-4	WSW	5	bc	48	85	45	7	1	4	-	Tr	2-3	2500
	Bristol	209	03.2	+6	SW'S	5	cjp	47	85	42	6	5	1	-	7-8	9	2600
	Portland Bill	32	04.8	+14	W	3	bc	46	92	44	8	5	-	-	4-6	4-6	4000
	Plymouth	82	03.7	-2	SW	4	bc	48	97	47	7	5	-	-	2-3	2-3	800
	The Lizard	240	03.1	-10	SW'S	5	bc	48	97	47	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	01.2	-10	SW'S	5	bc	49	97	48	6	5	-	-	2-3	2-3	1200
	Guernsey	175															
6	Pembroke	142	98.9	-10	SW'S	6	bcq	48	97	47	7	8	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	95.9	+8	SSW	6	c	48	92	46	8	8	-	-	2-3	10	900
	Chester (Sealand)	16	98.1	-18	S	3	bc	50	75	39	7	5	-	-	4-6	4-6	2800
8	Manchester	235	98.1	+10	S'E	4	bc	46	85	42	8	-	4	-	0	4-6	-
10	Spurn Head	29	98.3	+24	SW	4	bc	44	92	42	7	2	-	-	2-3	2-3	4000
	Catterick	175	95.1	+6	S	3	c/pr	47	85	41	6	2	-	-	9	9	2000
	Tynemouth	108	93.3	+14	WSW	5	bc	44	85	39	7	2	-	-	4-6	4-6	7200
11	St. Abbs Head	280	89.7	+14	SW	4	bc	42	92	38	7	4	-	-	2-3	2-3	1500
	Leuchars	36	87.7	+18	WSW	5	pr	45	75	39	8	4	4	-	Tr	1	3000
12	Renfrew (Abbots I.)	19	89.7	+14	SW	4	pr	46	85	41	6	8	-	-	10	10	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	92.6	+4	SW'W	4	b	46	92	44	8	4	*	*	1	1	3000
13A	Tiree	22															
13B	Stornoway	80	85.4	+26	W	1	c	43	97	43	7	5	7	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	85.8	+22	SW	4	bc	44	75	38	8	5	7	-	2-3	4-6	4000
	Wick	114	83.0	+10	NE	3	r.r.	42	97	41	5	5	-	-	10	10	300
16	Sumburgh	19	84.3	-4	NE	3	z.	40	92	38	6	5	-	-	10	10	1000
17	Blacksod Point	18	86.4	-12	SW	4	c	48	85	44	7	5	-	-	7-8	7-8	1500
18	Malin Head	84	86.9	-4	SSW	4	bc	45	85	41	8	4	-	-	2-3	2-3	2500
	Aldergrove	268	90.6	+2	SSW	3	c/pr	46	92	44	7	8	-	-	9+	9+	1600
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	89.0	-28	SW'S	6	c/pr	50	92	48	7	9	-	-	9+	9+	1500
	Roches Point	22	92.9	-22	WSW	6	cl	50	92	48	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 6th 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)	03.8	-4	SSW	4	z.	47	85	44	6	5	-	-	9	9	2500	1	
Croydon	04.3	-2	SSW	2	o/d	47	92	45	6	6	7	-	9	10	700	1	*
S. Farnborough	03.7	-10	SSW	3	pr	48	85	44	6	5	-	2	7-8	9	1000	1	*
Boscombe Down	03.6	-2	SSW	5	c/pr	47	92	45	7	6	3	1	7-8	9	1000	1	*
Thorney Island	05.0	-2	SW	4	z.	47	92	45	6	5	3	-	9	9+	450	1	+
Lympne	06.9	0	SW	3	z.	45	97	44	6	5	-	-	9+	9+	400	1	4
Manston	05.9	+2	SW'S	4	z.	46	92	43	6	5	-	2	7-8	7-8	700	1	*
Shoeburyness	05.1	0	SW'S	4	c	48	85	44	7	8	-	1	4-6	7-8	1600	1	*
Felixstowe	04.7	+6	SW'S	4	c	46	92	43	7	5	-	6	9	10	4000	1	3
Gorleston	03.9	+6	SW	4	z.	45	86	42	6	-	4	2	0	2-3	-	0	3
Mildenhall	03.0	+2	S'W	4	c	47	92	44	7	5	7	7	1	10	1500	1	*
Cranwell	00.1	0	S'W	5	c	45	92	43	7	-	7	6	0	9+	-	1	*
Birmingham	99.8	-8	S	3	rs	45	92	43	6	6	-	-	10	10	800	1	
Upper Heyford	01.5	-2	S	4	c	46	97	45	7	5	-	-	9+	9+	1000	1	*
Ross-on-Wye	99.6	-10	SSW	4	c	48	85	44	7	5	-	-	10	10	3000	1	*
Hartland Point	96.8	-22	SW	6	c	49	75	42	7	8	7	5	4-6	9	2000	1	5
Bristol	01.8	-8	SW'S	4	c	49	92	46	7	5	3	2	4-6	9+	2000	1	*
Portland Bill	04.1	-2	SW	5	c	46	92	44	7	5	-	1	10	10	4000	1	5
Plymouth	01.6	-6	SW	5	z.	49	92	47	7	5	3	1	7-8	9+	1000	1	4
The Lizard	00.1	-16	SSW	6	c	59	92	57	6	8	2	-	7-8	9+	1500	1	5
Scilly (St. Mary's)	96.1	-18	SSW	6	c/r	50	92	48	7	8	7	-	4-6	9	1200	1	4
Guernsey																	
Pembroke	94.9	-18	SSW	8	c	48	92	46	7	8	1	-	9	10	2500	0	5
Holyhead (Valley)	91.5	-26	S	7	z.	49	92	47	6	6	2	-	9	10	800	1	5
Chester (Sealand)	95.5	-20	S'E	4	z.	50	75	41	6	5	-	-	9+	9+	1800	1	*
Manchester	96.5	-12	S'E	4	ir.	46	85	42	6	5	7	-	9	9+	3500	1	*
Spurn Head	98.6	0	SSW	6	c	44	92	43	7	1	7	9	2-3	7-8	4000	1	3
Catterick	95.3	-2	SSE	3	z.	47	85	41	6	8	3	9	4-6	7-8	2800	1	*
Tynemouth	93.6	0	SW	3	c	49	85	42	7	5	-	-	9	9	1500	1	3
St. Abbs Head	90.1	+6	SW	4	o	47	85	42	8	5	2	-	7-8	10	1500	1	3
Leuchars	89.1	+2	WSW	3	pr	47	85	42	6	9	7	-	4-6	10	1800	1	*
Renfrew (Abbots I.)	89.3	-4	S'W	2	r.r.	46	92	44	5	6	2	-	2-3	10	600	1	*
Eskdalemuir	90.7	-10	S'W	6	rr	44	97	43	6	-	2	-	10	10	300	1	*
Point of Ayre	90.1	-18	SW	6	r.r.	48	92	46	7	6	2	-	7-8	10	800	1	5
Tiree	85.7	-6	S	2	bc	44	97	43	8	5	3	-	4-6	4-6	2500	1	4
Stornoway	85.7	+2	E	2	pr	43	97	43	8	5	7	-	7-8	9+	2000	1	1
Dalwhinnie	87.4	+6	SSW	2	o	42	85	38	8	5	4	2	4-6	9	1500	1	*
Aberdeen †	88.5	+6	W'S	2	bc	45	85	39	8	5	9	-	1	4-6	3100	1	2
Wick	86.8	+14	W	1	bc	42	85	39	7	5	4	-	2-3	4-6	1200	1	*
Sumburgh	85.5	+14	NNW	2	id.	40	97	39	6	5	-	-	10	10	1200	1	4
Blacksod Point	83.7	-8	S'W	4	phr	47	85	43	8	9	-	-	9	9	1500	2	3
Malin Head	84.2	-14	S	3	c	45	85	41	8	6	2	-	7-8	9	2500	1	4
Aldergrove	86.9	-26	SSE	3	ir.	45	92	43	7	5	7	-	2-3	9+	1500	1	*
Birr Castle	87.6	-10	S	3	c	47	85	43	7	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	87.2	-6	SSW	4	c	48	85	44	8	3	-	3	7-8	7-8	2500	1	4
Roches Point	89.4	-10	SW	6	c	49	92	47	7	3	-	3	4-6	7-8	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
London (Kew)	54	45	39	-	0.2	5.9
Croydon	57	42	39	Tr	Tr	7.2
S. Farnborough	57	44	39	0.1	0.2	8.1
Boscombe Down	53	41	37	2	Tr	6.5
Thorney Island	55	47	42	2	Tr	*
Lympne	55	42	40	Tr	-	7.4
Manston	56	42	38	-	Tr	7.7
Shoeburyness	59	44	38	-	-	6.4
Felixstowe	57	42	39	1	-	6.9
Gorleston	57	42	40	1	-	6.5
Mildenhall	59	43	37	1	1	7.9
Cranwell	56	42	38	1	-	7.9
Birmingham	54	43	39	10	0.1	3.9
Upper Heyford	55	42	39	0.3	-	*
Ross-on-Wye	54	46	42	1	-	6.1
Hartland Point	49	47	45	-	-	9.7
Bristol	55	41	39	Tr	-	9.0
Portland Bill	48	45	*	0.3	-	*
Plymouth	55	47	45	1	-	6.3
The Lizard	53	47	*	Tr	-	9.4
Scilly (St. Mary's)	55	49	*	Tr	-	9.7
Guernsey						
Pembroke	50	42		-	-	10.0
Holyhead (Valley)	53	46	44	-	-	*
Chester (Sealand)	58	46	39	0.2	Tr	7.3
Manchester	55	44	39	0.4	Tr	*
Spurn Head	55	42		2	0.6	8.2
Catterick	53	43	37	Tr	Tr	3.2
Tynemouth	53	44	39	-	-	*
St. Abbs Head	54	42	*	0.5	1	*
Leuchars	54	44	40	1	0.2	2.1
Renfrew (Abbots I.)	53	45	41	3	3	4.5
Eskdalemuir	49	41	39	3	7	2.5
Point of Ayre	55	44	*	0.2	1	7.7
Tiree	51	43	*	3	3	2.3
Stornoway	48	41	*	0.1	1	0.5
Dalwhinnie	45	37	32	2	5	0.0
Aberdeen †	51	42	36	0.2	Tr	0.3
Wick	43	41	38	1	3	*
Sumburgh	42	40	39	2	0.2	0.0
Blacksod Point	53	44	*	6	2	*
Malin Head	52	43	*	3	0.4	0.0
Aldergrove	52	43	42	1	4	7.6
Birr Castle	51	44	42	0.3	10	8.7
Valentia Obsy.	55	46	41	1	12	
Roches Point	54	49	*	0.3	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 6th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	62637	10468	52	22627	08468	5-	03738	03328	62	62628	00068
115				52	81734	08487	52	62735	04468			
203	5-	62838	08428	6-	62838	04468	6-	64838	24368			
206	52	61754	12368	57	02854	10268	52	62755	20468	87	25964	00084
210	6-	61748	10368	87	62954	17367	57	62644	20468	57	01963	24263
220	62	66426	10468	62	64436	27368				80	25745	18185
230	57	63645	51588	57	51847	51658	87	02745	19487	8-	25748	12288
245	62	51746	20268	99	02754	20465	44	01863	55414	8-	02747	20227
260	83	02855	20667	96	25863	53684		25754	53684	87	81756	53587
278	87	81867	22487	86	25853	20383	8-	02856	52426	87	25756	51488
279	83	01852	52615	83	01854	53685	53	01764	18684	9-	25634	50688
285										23	25634	24587
288	77	02844	22617	74	01854	22514	5-	61647	18417	57	02763	18515
575	96	25854	57685	24	01853	57613	8-	81747	20287	52	61846	16367
301	24	00851	55622	24	25855	22615	50	01763	53683	2-	25747	16527
321	86	25854	54585	86	81855	56485	40	00751	18301	57	02742	18527
299	8-	05655	22415	50	01753	22313	50	05665	24305			
292	27	25846	20487	26	01854	54414	53	01753	18203	27	05652	15414
310												
614	9-	81647	57487	33	01854	56484	58	05661	20312	50	05615	51426

III	13h. G.M.T. 5th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 6th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	2-	01853	53613	26	00851	20512	5-	02746	20516	37	02647	18628
334												
340	30	81954	24484	36	02953	55413	40	00862	20402	8-	25754	16587
136	86	10854	20584	99	01853	53434	40	01861	20481	00	01790	18415
336												
350	7-	25854	22456	36	01853	54424	07	00790	18402	57	02641	16428
368	36	00852	53523	24	00751	54602	50	00651	22401	87	05645	20518
379	30	10845	53485	30	00843	55413	5-	02747	24427	5-	02737	20427
390	26	01753	21484	20	01753	22483	5-	05690	22400	50	05533	18426
[illegible]	36	01954	55514	16	01953	54514	50	01763	19203	5-	02647	17427
438	04	01790	22513									
430	33	02854	55585	96	91763	22593	5-	05638	22328	5-	05637	53427
409	20	00751	22582	02	00751	55611	50	05653	18413			

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 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	cMozocy	cyc	cbcpbc	Kew 24 hours ended 7h.
Croydon	cbcy	bcyCrobc	bcbcMo wded.	Max. 0.1 Time 18-21h 5th
Greenwich	cy	cby	bcp	Min. Time 0.1 rest of period
Camden Square	bc	c	*	
Kensington	bc	bc	*	
Hampstead	bcp	bc	c	

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % To-day
Kew	54	45	39	-	0.2	5.9	*	*
Croydon	57	42	39	Tr	Tr	7.2	*	*
Greenwich	57	43	36	-	0.5	6.1	60	80
Westminster	56	46	40	0.1		*	68	81
Regents Park								
Camden Square	56	45	37	0.3	Tr	*	*	75
Kensington	57	45	40	0.2	0.2	*	61	77
Hampstead	55	43	38	0.2	-	*	*	81

SECRET

Page 1 BRITISH SECTION

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

Tuesday 7th April 1942

No. 29356

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)	02·1	-12	SSW	5	c	53	65	43	8	8	3	-	7-8	9	1500
	Croydon	02·9	-12	SSW	4	c	56	65	44	8	3	6	-	7-8	7-8	2500
	S. Farnborough	02·1	-12	SSW	6	c	55	65	44	8	2	-	-	9+	9+	2500
	Boscombe Down	01·5	0	SSW	6	c	52	75	45	7	8	-	-	10	10	1400
	Thorney Island	04·3	-6	S	3	c	53	85	49	7	1	3	-	1	7-8	1500
	Lympne	06·5	-8	SSW	5	c	53	75	45	8	2	3	-	1	7-8	3200
	Manston	05·3	-10	SW	6	bc	55	65	43	7	2	-	-	4-6	4-6	2000
2	Shoeburyness	04·6	-6	SSW	5	c	53	75	45	8	8	-	-	9+	9+	2300
	Felixstowe	04·3	-6	SSW	4	bc	53	75	46	8	5	8	-	2-3	2-3	2500
	Gorleston	03·2	-8	SW'S	6	c/pr	56	65	43	6	8	-	-	7-8	7-8	1800
	Mildenhall	01·2	-10	SSW	5	bc	56	75	46	8	7	3	-	4-6	7-8	2000
	Cranwell	98·1	-24	S'W	6	c	57	65	45	7	2	6	-	7-8	9+	2100
3	Birmingham	96·7	-10	SSW	5	c	55	65	44	8	5	-	-	9+	9+	2500
	Upper Heyford	99·5	-12	S'W	6	c/pr	53	65	42	8	8	-	-	9+	9+	2000
4	Ross-on-Wye	96·3	-14	SSW	6	cq	54	75	45	8	1	1	7	4-6	9+	3000
5	Hartland Point	94·7	-14	SW	6	ir	50	85	46	6	8	7	-	7-8	9+	1500
	Bristol	99·2	-14	SSW	6	c	54	75	45	7	5	7	-	4-6	10	1500
	Portland Bill	02·4	-14	S	5	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth	99·5	-10	SSW	7	zo	51	85	47	6	5	7	-	7-8	10	800
	The Lizard	98·0	-10	SSW	7	PR	50	92	48	6	8	2	-	9	10	1000
	Scilly (St. Mary's)	94·5	-30	SSW	7	c	51	85	47	7	8	7	-	4-6	9+	1000
	Guernsey															
6	Pembroke	92·7	-12	S'W	7	cq	46	92	44	7	8	1	-	7-8	10	2500
7	Holyhead (Valley)	90·5	-6	S'W	6	c	48	85	44	7	5	2	-	9	10	1000
	Chester (Sealand)	93·4	-10	SSW	5	pr	52	65	42	7	9	-	-	10	10	1500
8	Manchester	93·8	-12	S'W	6	PR	52	75	44	6	9	-	-	10	10	1800
10	Spurn Head	97·6	-10	SW	7	cq	54	75	45	7	1	7	-	2-3	7-8	4000
	Catterick	93·8	+4	SSW	4	iro	51	75	44	6	5	7	-	7-8	10	2200
	Tynemouth	92·3	-6	SSW	6	cq	53	65	43	6	8	-	-	9+	9+	2000
11	St. Abbs Head	89·4	+14	S	4	pr	49	85	44	7	6	2	-	7-8	10	1500
	Leuchars	87·2	-8	SSW	4	c	52	75	44	7	9	-	8	7-8	9	2000
12	Renfrew (Abbots I.)	88·6	+8	SW	4	c/pr	56	65	43	7	3	3	-	7-8	7-8	1800
	Eskdalemuir	89·3	+6	SSW	5	o/r	45	92	44	6	5	-	-	10	10	500
	Point of Ayre	88·7	+2	SSW	6	c	51	85	47	8	5	-	6	1	9+	800
13A	Tiree	84·6	0	SWW	4	bc	51	85	47	8	8	3	-	4-6	4-6	2500
13B	Stornoway	84·5	-4	ENE	3	c	47	92	45	8	5	7	-	7-8	10	2000
15	Dalwhinnie	87·0	-2	SSW	3	c	42	92	41	7	5	7	-	4-6	9+	1500
	Aberdeen	87·7	-8	SSW	3	c/d	46	92	44	6	5	7	-	4-6	9	1600
	Wick	87·1	-2	E'S	2	c	45	85	42	8	5	7	-	2-3	9+	1500
16	Sumburgh	88·5	+14	-	0	c	44	92	42	8	5	7	-	9	10	1200
17	Blacksod Point	83·0	-2	SSW	5	PR	47	85	52	8	9	-	-	9+	9+	2500
18	Malin Head	84·0	+4	SSW	2	c	49	75	41	8	3	-	-	9	9	2500
	Aldergrove	86·2	-6	SW'S	4	c	54	55	40	8	3	-	8	7-8	7-8	3000
19	Birr Castle	85·9	-14	SW	2	c	48	85	44	7	3	2	-	4-6	10	800
20	Valentia Obsy.	83·8	-22	S	4	c/pr	48	85	44	9	5	7	-	7-8	9+	2500
	Roches Point	86·9	-14	S'W	6	c/phr	50	85	46	8	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 6th 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)	99·1	-22	SSW	3	c/r	52	65	41	8	5	-	-	9+	9+	1500	1	*
Croydon	99·8	-22	SSW	5	pr	53	65	41	8	8	4	5	4-6	9+	3000	1	*
S. Farnborough	98·8	-24	SSW	5	pr	52	75	43	8	8	7	-	7-8	9+	2000	1	*
Boscombe Down	98·5	-14	SW'S	5	RR	47	92	45	6	9	-	-	9+	9+	800	1	*
Thorney Island	00·6	-20	S'W	4	c/pr	50	85	44	8	8	7	-	9	10	2500	1	*
Lympne	03·7	-18	SSE	3	c	48	75	42	8	5	-	-	9+	9+	6000	1	§4
Manston	02·6	-14	S	3	c	52	65	40	7	5	-	-	9	9	4000	1	*
Shoeburyness	02·2	-14	S'W	4	c	51	75	42	8	-	3	-	0	7-8	-	1	*
Felixstowe	01·8	-14	S'W	5	c	48	75	41	8	5	7	1	2-3	7-8	4000	1	4
Gorleston	01·5	-10	SW'S	5	bc	50	65	40	6	-	4	-	0	4-6	-	0*	5
Mildenhall	98·8	-14	S	5	c	55	75	46	8	5	6	2	2-3	7-8	3000	0	*
Cranwell	96·1	-6	SSW	6	pr	48	97	47	7	9	1	-	7-8	10	800	1	*
Birmingham	94·8	-8	SSW	4	ir	47	85	43	8	6	2	-	9	10	800	1	*
Upper Heyford	97·2	-14	S'W	5	c/r	49	85	44	6	5	2	-	9	10	900	1	*
Ross-on-Wye	94·2	-16	S	4	c/r	49	85	45	7	6	-	3	7-8	9	1500	1	*
Hartland Point	92·8	-12	SW	6	c	50	75	41	7	3	4	6	4-6	7-8	2000	1	5
Bristol	96·5	-14	SSW	6	c	50	75	43	8	5	3	1	7-8	7-8	1500	1	*
Portland Bill	99·2	-6	S	4	rr	46	92	44	7	5	-	-	10	10	2500	1	5
Plymouth	95·7	-18	SSW	6	bcpr	49	85	45	6	9	-	-	9+	9+	1200	0	5
The Lizard	95·3	-4	SSW	6	c/pr	49	97	49	7	8	6	-	4-6	4-6	1000	1	5
Scilly (St. Mary's)	92·4	-14	SSW	5	cjp	50	85	48	7	8	-	-	4-6	7-8	1200	1	5
Guernsey																	
Pembroke	90·8	-4	S'W	7	bcq	48	85	44	7	8	6	-	4-6	4-6	2500	1	5
Holyhead (Valley)	87·7	-18	S	7	c	50	85	45	7	5	-	4	7-8	7-8	800	1	5
Chester (Sealand)	91·1	-16	S	4	pr	50	85	45	6	9	-	-	4-6	9+	800	1	*
Manchester	91·8	-16	S'W	6	pr	49	75	42	8	4	7	3	7-8	9+	3000	1	*
Spurn Head	95·4	-2	SSW	6	cq	51	85	46	7	5	2	-	4-6	10	1500	0	4
Catterick	92·0	+4	S'W	3	c/pr	49	85	43	6	5	2	-	7-8	10	800	1	*
Tynemouth	91·7	-4	SSW	5	zo	51	92	49	6	8	-	-	9+	9+	2000	1	3
St. Abbs Head	88·5	0	S	4	ido	47	85	44	7	6	2	-	4-6	9+	1500	1	3
Leuchars	86·8	+2	S	4	bc	50	75	41	8	2	4	2	2-3	4-6	2000	1	*
Renfrew (Abbots I.)	86·7	-6	S	3	pr	49	85	44	7	9	2	-	7-8	10	1600	1	*
Eskdalemuir	87·6	-10	SSW	6	c/r	44	92	42	7	5	-	-	10	10	800	1	*
Point of Ayre	87·2	-8	SW'S	4	c	50	85	45	7	6	2	6	7-8	9+	800	1	4
Tiree	83·5	-4	S	2	c	46	85	43	8	5	1	-	4-6	7-8	2500	0	4
Stornoway	83·8	-6	NNE	3	c	43	92	41	8	5	7	-	4-6	9	2500	1	1
Dalwhinnie	85·7	-4	S	3	c	45	75	38	8	8	-	6	4-6	9	2500	1	*
Aberdeen	87·3	0	S'E	1	zo	50	75	42	6	8	-	6	4-6	4-6	2400	1	2
Wick	85·6	-10	SSW	2	c	45	85	41	8	3	7	2	2-3	7-8	2500	1	*
Sumburgh	87·6	-8	ENE	3	roro	42	97	42	6	5	-	-	10	10	1500	1	3
Blacksod Point	80·8	-8	S'E	4	c	48	85	44	8	9	-	-	9+	9+	1500	2	3
Malin Head	82·0	-10	-	0	rr	45	85	41	8	9	2	-	7-8	9+	2500	2	3
Aldergrove	83·3	-14	SSE	3	pr	46	85	42	8	9	-	3	9	9+	2000	1	*
Birr Castle	83·6	-6	WSW	3	pr	49	75	42	7	3	7	-	4-6	9	800	1	*
Valentia Obsy.	81·5	-18	SSW	5	PHR	49	85	45	8	9	-	-	10	10	2500	1	4
Roches Point	85·2	-10	SSW	6	bc	51	85	47	8	3	-	3	1	4-6	1500	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 6th (39)	13h.—18h. 6th (40)	18h. 6th to 1h. 7th (41)	1h.—7h. 7th (42)
London (Kew)	cpromoc	ccirc	cqrroc	cproc
Croydon	cmoir.	bccpro	crorp	bccro
S. Farnborough	promoc	cbccpro	cqrorobcc	cpromobcc
Boscombe Down	cproc	cpro	cmolbcmo	cmoc
Thorney Island	proc	bccpro	ciRbcmo	cmocbc
Lympne	cmoc	c	cpRprmo	cmoprc
Manston	cmozobc	cmoprobc	propr	prpromobc
Shoeburyness	cprc	cbcc	c	crr
Felixstowe	cbc	cbcc	ccro	cirobbc
Gorleston	bccproq	cqbc	oir u	cpro
Mildenhall	czopro	c	cbcroro	bcrorobc
Cranwell	c	cPr	bcc	bcc,bbcc
Birmingham	rooc	coiro	robc	bcpr
Upper Heyford	cpro	cir	bcprpro	cprobc
Ross-on-Wye	cbccq	cqcr	cqbccR	Rbccp
Hartland Point	cir	cirPhr	ciprqRqbc	bccprq
Bristol	c	c	crr,roro	crorob
Portland Bill	c	orr	cPrc	cpr
Plymouth	cmo	ciromo	prolroc	bcproc
The Lizard	cpr	rprbc	bc	cprc
Scilly (St. Mary's)	crc	cpc	cpybbc	bcpqc
Guernsey				
Pembroke	ircq	cbcq	bcq	procbcq
Holyhead (Valley)	irortoc	probc	cbcbbcmo	cbcfrmo
Chester (Sealand)	cproq	cproqzo	cprmobc	ccpro
Manchester	p'Rzo	pRrr	probc	bcpro
Spurn Head	cq	cq	bc	bc
Catterick	iro cmo	cromocmo	probmo	cprocmo
Tynemouth	cmocq	cq	c	cbc
St. Abbs Head	cprophrrq	cpredo	cprbc	cbcprc
Leuchars	cproc	cbc	bccpr	cbc
Renfrew (Abbots I.)	rorpro	cpro cpr	prpro	prjpcmo
Eskdalemuir	oRrr	cir iR	ciromo	ciRpr
Point of Ayre	bcc	c	bbcc	bccpro
Tiree	cirbc	c	ccir	c
Stornoway	c	crr	c	c
Dalwhinnie	cpr	c	*	ciro
Aberdeen	bcmr.d.	cprozo	pr	bcpro
Wick	c	crrbc	bccir.	c
Sumburgh	cmoidoc	croro	croromoc	oltdoc
Blacksod Point	pr	pr	pr	c
Malin Head	pr	pr	r	pr
Aldergrove	crorobcq	proPRt	cprobc	probcc
Birr Castle	pr	pr	*	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	pr	pr	pr

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

Districts	Forecast
1 S.E. England ▼, 2 E. England ▼, 3 E. Midlands, 4 W. Midlands, 5 S.W. England ▼, 6 South Wales ▼, 7 North Wales ▼, 8 N.W. England ▼, 9 N. Midlands, 10 N.E. England ▼, 11 S.E. Scotland	Moderate or fresh squally S. to SW. wind, strong to gale on coasts and at exposed places; variable cloud Frequent showers with hail and thunder in places cool.
12 S.W. Scotland & Isle of Man ▼, 13A W. Scotland	Mainly as 1-11 but wind becoming variable light later
13B N.W. Scotland	As 15-16
14 Mid Scotland	As 1-11
15 N.E. Scotland	Moderate E. to S.E wind mainly cloudy, some showers
16 Orkneys and Shetlands	today, chance of snow later becoming rather cold.
17 N.W. Ireland, 18 N.E. Ireland ▼	Wind variable light becoming NW fresh squally; frequent squally showers hail and thunder locally, cool.
19 S.E. Ireland ▼, 20 S.W. Ireland ▼	Fresh or strong squally N. to NW. wind gale locally on coasts frequent squally showers with hail and thunder locally cool

GENERAL INFERENCE

A deep and complex depression over Ireland with an extension over N. Scotland in moving slowly North and filling up. There will be frequent showers in most areas with hail and thunder at times, but also bright intervals. It will be cool generally.

FURTHER OUTLOOK

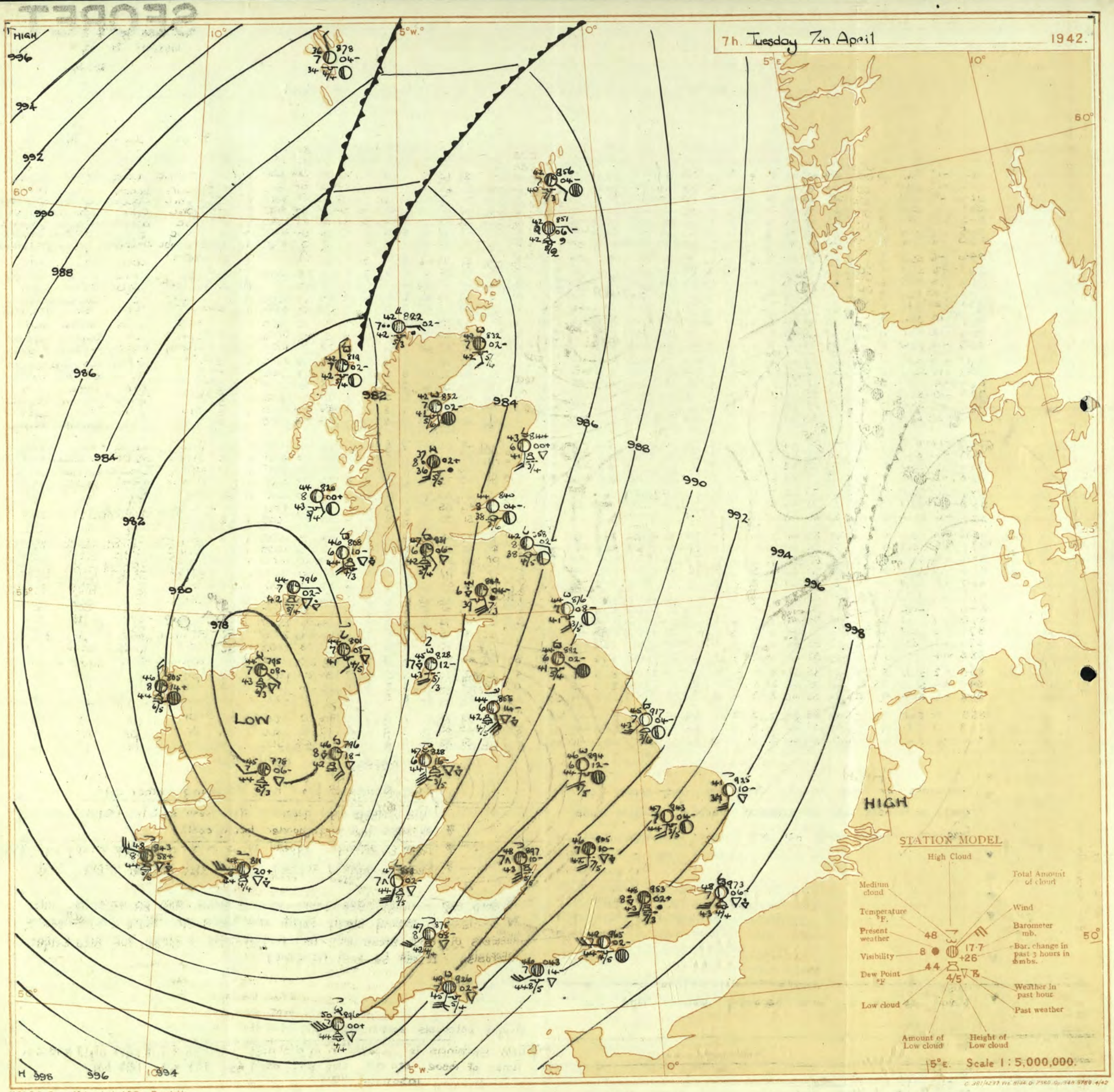
Bright intervals and showers.

▼ Gale warnings in operation in districts 1,2,5,6,7,8,10,12,18 part of 19 and 20. Times of issue. 1120 4/4, 2316 5/4, 0800 6/4, 1143 6/4, 1415 6/4.

Forecasts issued at 1030 hrs.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

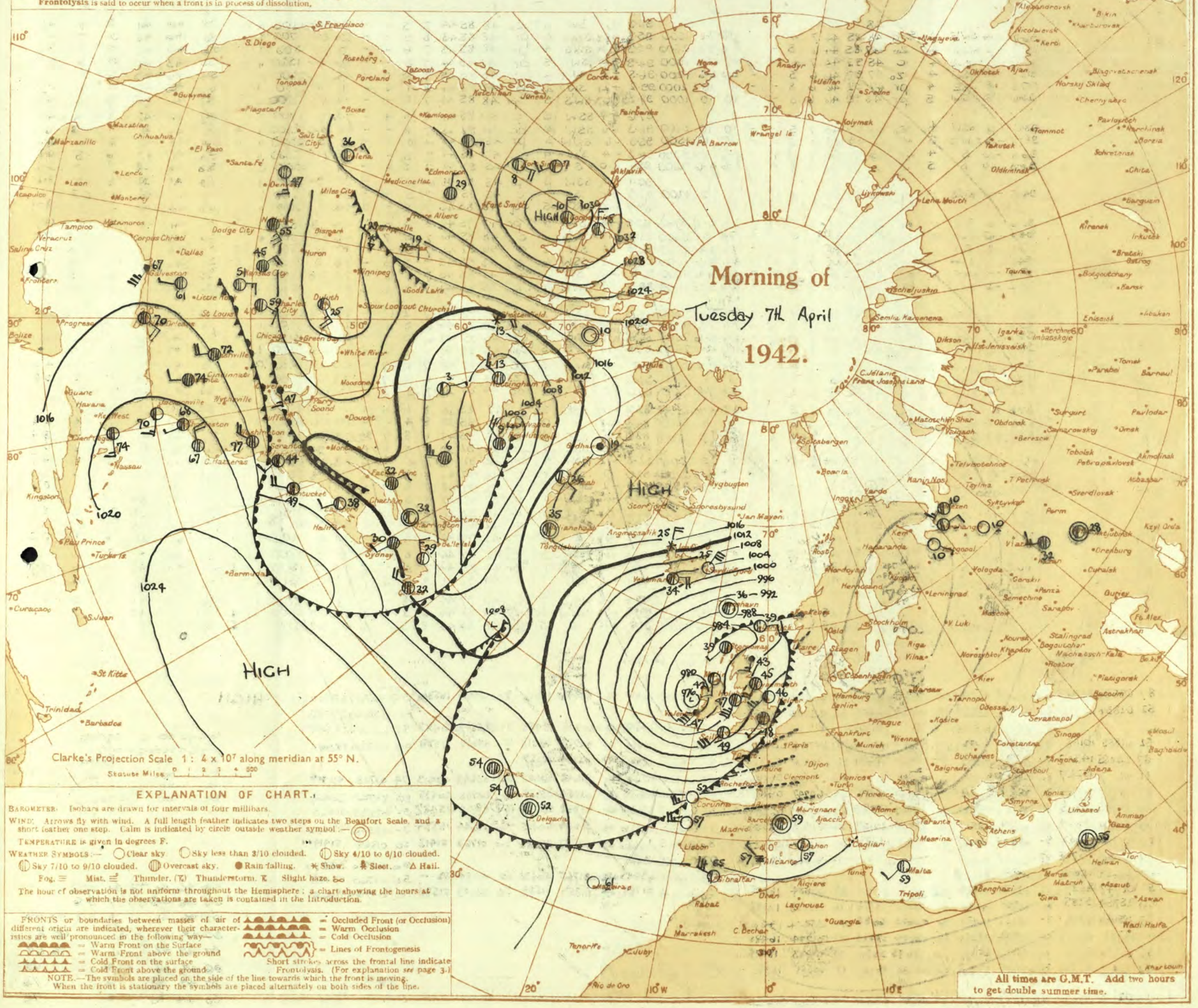
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 7th April 1942

No. 29356

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	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon	290	96·7	-14	SW'S	2	c/d	48	85	44	7	4	-	-	7-8	7-8	1500
	S. Farnborough	226	96·2	-2	SSW	4	zo	47	85	44	6	5	-	-	7-8	7-8	2500
	Boscombe Down	417	95·6	-12	SSW	4	c	45	92	42	7	4	-	-	7-8	7-8	1900
	Thorney Island	10	97·6	-10	WSW	4	zo	47	97	46	6	5	-	-	2-3	2-3	1200
	Lympne	283	00·3	-8	SSE	4	pr	47	92	46	6	8	-	-	10	10	2000
	Manston	154	90·4	-8	SSW	5	pr	48	92	46	6	3	-	-	10	10	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	98·0	-14	SSW	4	iro	46	97	45	7	5	-	-	10	10	3700
	Gorleston	5	98·0	-18	SW'S	5	ir	47	85	43	6	6	-	-	10	10	1500
	Mildenhall	15	96·1	-16	S	4	roro	49	92	45	7	5	1	-	4-6	9+	5200
	Cranwell	203	93·3	-10	S	5	bc	46	92	44	7	5	-	-	4-6	4-6	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	94·5	-14	SW'S	5	pr	46	92	44	7	8	-	-	9	9	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	90·6	-4	SW	6	bc	48	75	41	8	2	-	-	2-3	2-3	1500
	Bristol	209	94·1	-10	SSW	4	roro	47	85	43	6	5	2	-	7-8	9	3300
	Portland Bill	32	97·1	-6	SW	5	c	45	92	43	7	3	-	-	7-8	7-8	2500
	Plymouth	82	94·1	-2	SSW	5	zo	48	85	45	7	5	-	-	4-6	4-6	1500
	The Lizard	240	93·4	-4	SSW	6	bc	48	85	44	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	90·2	-6	SW'S	6	bc	49	85	45	7	8	-	-	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	88·5	-4	S'W	7	bc	47	92	45	7	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	86·4	-10	SSW	7	zo	47	85	44	6	5	-	-	7-8	7-8	1000
	Chester (Sealand)	16	89·6	-6	SSE	3	bc/pr	45	92	43	7	3	6	-	2-3	4-6	2500
8	Manchester	235	90·3	-10	S'E	4	bc/pr	45	92	43	8	2	-	-	4-6	4-6	2500
10	Spurn Head	29	94·6	-4	SW'W	5	bc	46	92	44	7	5	-	-	4-6	4-6	1500
	Catterick	175	90·1	-6	SSE	2	zo	44	85	40	6	5	-	-	1	1	3500
	Tynemouth	108	89·5	-6	SSW	4	c	45	85	42	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head	280	87·8	0	SE	3	bc	44	92	43	7	5	-	-	4-6	4-6	1500
	Leuchars	36	85·4	-4	SSW	3	pr	45	85	41	8	9	-	-	9	9	2500
12	Renfrew (Abbots I.)	19	85·2	+2	SSW	2	pr	43	92	42	6	8	3	-	4-6	9	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	86·0	0	SW	4	c	47	85	43	7	8	-	-	9	9	1000
13A	Tiree	22	82·6	0	S	1	bc	44	97	44	7	5	-	-	1	4-6	2100
13B	Stornoway	80	83·3	-2	SW	1	c	39	97	39	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	86·7	-6	S	3	pr	43	92	40	8	8	-	-	9+	9+	2700
	Wick	114	84·7	-6	-	0	iro	41	97	40	8	5	-	-	9	9	3100
16	Sumburgh	19	87·0	0	E	3	c	42	97	41	7	5	2	-	9+	10	1500
17	Blacksod Point	18	79·1	-10	-	0	bc	45	92	43	8	8	-	-	4-6	4-6	1500
18	Malin Head	84	80·9	-2	S	2	bc	42	85	38	8	8	-	-	4-6	4-6	2500
	Aldergrove	268	82·5	-10	S	3	bc/pr	44	92	42	7	5	-	-	2-3	2-3	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	76·6	-18	SW'S	6	pr	47	92	45	7	9	-	-	10	10	1500
	Roches Point	22	81·5	-16	SSW	6	bc	49	85	45	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)	95·0	0	SW	3	zo	48	85	44	7	5	-	-	9+	9+	1500	1	*
Croydon	95·3	+2	SSW	4	pr	48	85	43	8	9	-	-	9+	9+	700	1	*
S. Farnborough	95·3	-2	SW'S	4	pr	48	85	43	7	6	-	-	9	9	800	1	*
Boscombe Down	94·5	-4	SW	5	pr	47	85	44	7	8	-	-	9+	9+	1500	1	*
Thorney Island	96·5	-2	W	4	bc	48	85	45	7	5	-	-	4-6	4-6	2500	1	*
Lympne	99·2	+2	SW	4	b	47	92	44	8	1	6	-	1	1	1200	1	§
Manston	97·3	-6	SW'S	5	bc/pr	48	85	43	7	8	-	-	4-6	4-6	1500	1	*
Shoeburyness	97·6	-4	SSW	5	c	49	85	44	8	8	4	-	7-8	9	1700	1	*
Felixstowe	96·3	-6	SSW	4	bc	46	92	43	7	8	-	-	4-6	4-6	2500	1	4
Gorleston	95·9	-6	SW'W	3	pr	45	92	43	6	8	-	-	9	9	2000	1	4
Mildenhall	94·3	-4	S'W	4	bc	47	85	44	7	5	-	-	2-3	2-3	2500	1	*
Cranwell	99·1	-10	S	4	b	45	92	42	7	5	4	-	Tr	1	1000	0	*
Birmingham	90·1	-6	SSW	3	c/pr	45	85	41	6	6	-	-	9+	9+	1500	1	*
Upper Heyford	92·3	-6	S	4	c	45	85	41	7	5	-	-	9+	9+	1200	1	*
Ross-on-Wye	89·7	-10	S	5	cq	48	85	43	7	9	-	3	7-8	9	3000	1	*
Hartland Point	87·5	-8	SW	6	c/pr	47	75	42	8	3	-	3	4-6	7-8	1500	1	5
Bristol	91·8	-12	SW'S	4	c	48	85	43	7	9	7	-	4-6	7-8	1500	1	*
Portland Bill	94·3	-14	SW	5	o	46	92	44	7	5	-	-	10	10	2500	1	5
Plymouth	92·6	-2	SSW	6	c	49	85	45	7	5	3	-	7-8	9	1500	1	5
The Lizard	91·8	-6	SW	6	c/pr	47	85	43	7	8	6	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	89·6	0	SW'W	7	cjp	48	85	44	7	8	6	3	4-6	9	1800	1	5
Guernsey																	
Pembroke	85·8	-2	SSW	7	bcq	47	92	44	7	2	1	-	2-3	2-3	2500	1	5
Holyhead (Valley)	82·8	-16	S'E	7	c/pr	47	85	44	6	8	9	3	2-3	7-8	2500	1	5
Chester (Sealand)	86·3	-18	SSE	4	pr	45	85	42	6	9	-	-	9+	9+	1000	1	*
Manchester	87·6	-14	S'E	5	bc/pr	45	85	41	6	2	6	-	2-3	4-6	2500	1	*
Spurn Head	91·7	-4	SW'W	5	bc	45	92	43	7	1	7	-	2-3	2-3	4000	0	4
Catterick	88·2	-2	SE	2	zo	44	85	41	6	5	7	-	7-8	9+	2000	1	*
Tynemouth	87·6	-8	S	4	bc	44	85	41	7	5	3	-	2-3	4-6	2200	1	3
St. Abbs Head	85·8	-2	ESE	2	c	42	85	38	8	4	4	1	1	7-8	2500	1	2
Leuchars	84·0	-4	-	0	bc	44	85	38	8	4	-	-	2-3	4-6	4000	1	*
Renfrew (Abbots I.)	83·1	-6	SSE	2	zo	47	85	42	6	8	7	-	7-8	9+	1600	1	*
Eskdalemuir	84·2	-4	SSE	2	pr	41	92	39	6	5	-	-	9+	9+	700	1	*
Point of Ayre	82·8	-12	SSW	4	pr	45	92	43	7	6	3	6	7-8	9+	800	1	
Tiree	82·0	0	SSE	1	c	44	97	43	8	5	-	-	7-8	7-8	1800	0	3
Stornoway	81·9	-2	NNW	2	c	42	97	42	7	5	7	-	7-8	9+	2000	1	1
Dalwhinnie	83·0	+2	SSW	3	iro	37	92	36	8	5	6	-	7-8	10	2500	1	*
Aberdeen	84·4	0	S'W	3	zo	43	92	41	6	9	9	-	2-3	4-6	1100	1	3
Wick	83·2	-2	S'E	2	c	42	97	42	7	5	3	-	7-8	9	4000	1	*
Sumburgh	85·1	-6	E	2	zo	42	97	42	6	5	-	-	10	10	400	1	3
Blacksod Point	80·5	+14	NNW	3	c	46	92	44	8	8	-	-	9	9	2500	1	3
Malin Head	79·6	-2	E	1	c/pr	44	92	42	7	9	-	2	7-8	9+	1500	1	3
Aldergrove	80·1	-8	SSE	2	c	44	92	41	7	5	4	1	4-6	9	2500	1	*
Birr Castle	77·8	-6	WSW	2	c	45	97	44	7	8	-	-	9	9	800	1	*
Valentia Obsy.	84·3	+58	NW'W	5	c/pr	48	85	44	8	3	-	3	7-8	7-8	2500	1	4
Roches Point	81·1	+20	W	5	c/pr	48	85	44	8	3	-	5	4-6	7-8	1500	1	5

PAST 24 HOURS.

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 6th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 7th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	87	02856	08327	62	61637	05328	50	00753	00003	57	05663	1221+
115	52	02834	08326	52	62725	08388	52	02844	12267	52	62735	08368
203				7-	02835	06285						
206	52	61855	10168	86	02964	20186	5-	01864	00024	83	01754	00055
210	87	25855	14387	96	02964	20185	8-	25866	12386	86	02864	16125
220	80	22737	15267	80	01853	14313				80	25736	06286
230	87	25857	20387	90	25856	10186	5-	62648	10188	52	64747	04168
245	87	22745	16365	27	25744	18395	80	25754	17384	86	01763	16384
260	20	01854	18684	80	01764	18514	--	01755	20157	86	01763	12384
278	96	01754	16485	9-	05637	48487	4-	01763	18483	57	02754	10327
279	87	05645	50728	87	81745	50687				6-	81747	16487
285	6-	64638	20668	52	05645	14468						
288	5-	02747	18627	52	63654	51468	50	05651	51561	87	05654	16315
575	20	25854	19285	8-	25857	14287	3-	25745	12185	86	02736	12187
301	57	05646	16588	2-	25655	16486	50	05653	16683	8-	25654	14685
321	1-	14755	86627	5-	02744	52588	50	05654	17484	53	01774	16485
299	50	01754	51614	70	22755	22365	50	05643	22463	54	01753	18414
292	52	25655	52488	57	-1745	17368	50	05651	16211	17	05651	15387
310												
614	83	02755	51626	5-	25768	49488	5-	05654	17424	53	05661	51423

III	13h. G.M.T. 6th April $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 7th April $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	87	81745	16688	8-	02846	16516	8-	02746	16586	5-	02757	17587
334										--	25645	22286
340	02	82638	22788	5-	21948	18458	5-	25877	50487	86	25754	14487
136	13	01854	18614	46	02753	53517	5-	63548	17588	00	00890	18583
336	62	64526	20568	57	02754	20527						
350	76	02754	49725	8-	81648	50628	50	05643	49413	74	01753	49414
368	87	81745	20688	86	02754	53685	8-	02755	20485	86	81745	20426
379	8-	02847	53787	5-	23838	53588	8-	81737	55487	5-	02885	51425
390	8-	05645	51526	46	05664	50425	50	22644	16384	9-	05546	49486
382	86	02845	50626	62	62732	49668	50	01763	51413	50	01864	51414
408	07	01690	18414							00	00790	22510
430	26	01851	53685	52	81765	50428	50	01754	53---	50	01765	17485
409	52	66625	51768	29	01853	61524	50	05653	51583	90	01744	50685

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 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	cpromc	ccirc	cqrcpfc	Kew 24 hours ended 7h. Max. Time
Croydon	cmzigo	bccpro	crro	
Greenwich	c	cy	cirRbbc	
Camden Square	bc	bc	*	
Kensington	c	bc	*	0·1 whole period
Hampstead	bc	bc	prbc	Min. Time

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	54	46	41	Tr	4	4·2	*	*
Croydon	56	46	43	0·1	7	5·6	*	*
Greenwich	57	46	41	-	5	5·1	56	69
Westminster	57	47	43	4			68	81
Regent's Park	57	47	42	-	5		76	68
Camden Square	56	47	41	-	4	*	*	69
Kensington	57	47	42	-	4		65	74
Hampstead	55	44	40	-	4		*	76

BRITISH SECTION

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

SECRET

Wednesday 8th April 1942

No. 29357.

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	94·3	-6	SW	7	pr	53	65	42	7	8	–	1	4-6	7-8	2500
	Croydon ...	94·5	-2	SW	4	pr	51	75	45	7	9	–	–	4-6	9+	1700
	S. Farnborough	95·3	+6	SW	7	c	53	75	43	8	2	–	–	9+	9+	2000
	Boscombe Down	94·1	+4	SW'W	7	c	53	75	45	7	8	–	–	7-8	7-8	1600
	Thorney Island	96·2	+6	WSW	5	c	54	75	46	8	5	4	1	7-8	9	2500
	Lympne ...	98·8	+4	SSW	6	c	52	75	46	8	2	–	3	4-6	7-8	2500
	Manston ...	97·3	-2	SW	6	c	53	65	43	8	2	–	7	7-8	10	2500
2	Shoeburyness ...	96·7	-4	SSW	5	c	55	65	43	8	2	7	–	7-8	9	2600
	Felixstowe ...	95·4	-6	S'W	5	c	52	75	44	8	7	–	7	9	9+	4000
	Gorleston ...	94·7	-10	S'W	5	z_0	46	92	44	6	8	–	2	4-6	7-8	1500
	Mildenhall ...	92·7	-10	SW'S	5	c	56	75	48	8	8	1	–	7-8	7-8	2500
	Cranwell ...	89·4	-6	S'W	6	pr	50	92	47	7	9	–	–	9+	9+	1200
3	Birmingham ...	88·7	-4	SW	5	c	52	65	44	8	8	–	–	7-8	7-8	1500
	Upper Heyford	92·2	+4	SW'S	4	PR	45	92	43	6	9	–	–	10	10	1200
4	Ross-on-Wye	90·2	+4	SW	6	pr	52	65	41	7	9	–	–	10	10	3000
5	Hartland Point	91·4	+10	WSW	6	bc	48	85	44	7	3	–	1	4-6	4-6	1500
	Bristol ..	92·6	+6	SW	5	bc	52	85	46	8	9	–	3	4-6	4-6	1500
	Portland Bill ...	95·5	+4	SW	5	c	48	92	46	7	5	4	–	4-6	7-8	4000
	Plymouth ...	94·7	+14	WSW	7	c	51	85	47	7	8	6	3	4-6	7-8	1500
	The Lizard ...	95·3	+14	SW	6	c/pr	52	85	48	7	8	7	–	4-6	7-8	2000
	Scilly (St. Mary's)	94·5	+28	WSW	6	bc	54	75	47	8	8	6	3	2-3	4-6	1500
	Guernsey ...															
6	Pembroke ...	89·8	+20	SW'W	7	bcq	50	85	45	7	2	4	1	2-3	2-3	3000
7	Holyhead (Valley)	88·2	+28	SW'S	7	pr	49	92	46	7	8	–	–	9+	9+	1500
	Chester (Sealand)	85·0	-6	SW	5	c/pr	52	75	44	6	9	–	–	9+	9+	1000
8	Manchester ...	85·4	-14	SSW	7	c/pr	49	85	46	7	3	6	3	7-8	7-8	2000
10	Spurn Head ...	88·1	-10	SSW	6	ir	50	85	46	7	2	6	–	4-6	7-8	4000
	Catterick ...	85·3	-20	S	4	pr	51	75	41	6	6	–	–	10	10	700
	Tynemouth ...	85·1	-20	SSW	6	c	53	65	40	6	2	3	–	4-6	7-8	2400
11	St. Abbs Head	83·9	-14	SE	4	c	50	75	41	7	2	6	–	4-6	9	1500
	Leuchars ...	83·2	-8	S'W	3	pr	51	65	40	7	9	–	–	9+	9+	2000
12	Renfrew (Abbotsl.)	82·2	-6	SSE	3	c	53	65	41	7	9	6	–	9	9+	2200
	Eskdalemuir ...	81·9	-12	SE	3	c	47	85	43	8	5	–	–	9+	10	1800
	Point of Ayre...	80·2	-16	S'W	4	c	47	97	47	7	6	2	–	9	9+	1000
13A	Tiree	83·4	+4	NE'N	1	c	46	85	43	8	5	–	–	7-8	7-8	2500
13B	Stornoway ...	83·0	+6	NNE	4	c	47	92	45	8	2	7	1	4-6	7-8	2500
15	Dalwhinnie ...	83·2	-2	W	1	c	42	85	40	8	8	–	–	7-8	7-8	2500
	Aberdeen ...	84·2	-4	S	3	z_0	51	65	41	6	8	–	1	2-3	2-3	2500
	Wick ...	83·6	+2	S'E	3	c	46	85	40	9	8	7	3	7-8	9+	1800
16	Sumburgh ...	85·2	-2	SSE	2	c	46	92	44	7	5	7	–	4-6	9	1800
	Blacksod Point	85·0	+18	W'N	5	c	53	75	45	8	8	–	5	4-6	7-8	2500
	Malin Head ...	81·8	+16	NNW	3	ir	46	92	44	7	5	2	–	4-6	9+	800
	Aldergrove ...	81·2	+14	NW	3	ir	47	85	44	7	8	7	–	7-8	10	2500
19	Birr Castle ...	86·2	+36	W	3	c	53	65	42	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	92·0	+40	WNW	5	c/pr	50	75	42	8	3	–	–	7-8	7-8	2500
	Roches Point	89·3	+30	W'N	5	c/pr	52	65	41	8	3	–	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 7th 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)	96·8	+22	SW'S	5	c	51	75	43	7	8	3	6	7-8	9	2500	1	*
	Croydon ...	96·9	+16	SSW	4	bc	51	75	43	7	4	4	3	2-3	4-6	2200	1	*
	S. Farnborough	97·2	+20	SW'S	5	c	51	85	45	8	8	–	–	9+	9+	1800	1	*
	Boscombe Down	97·2	+20	SW'W	4	c/pr	49	92	46	7	8	–	5	7-8	7-8	1600	1	*
	Thorney Island	99·0	+12	SW	5	c	51	85	46	7	5	–	–	9+	9+	1500	1	*
	Lympne ...	01·1	+18	SW	5	c	47	85	44	8	2	–	–	9+	9+	1800	1	5
	Manston ...	98·6	+14	SW'S	6	pr	50	75	42	7	8	–	–	9+	9+	2000	1	*
2	Shoeburyness ...	97·9	+14	SSW	5	bc	51	75	43	8	1	3	–	1	4-6	2600	1	*
	Felixstowe ...	96·4	+14	SW	6	c/pr	50	75	43	8	8	–	2	4-6	7-8	4000	1	4
	Gorleston ...	94·0	+4	WSW	5	bc	53	92	50	7	8	–	–	4-6	4-6	1700	0	4
	Mildenhall ...	94·1	+14	SSW	6	bc	53	85	48	8	3	–	–	2-3	2-3	2500	1	*
	Cranwell ...	91·3	+18	WSW	6	c	51	85	46	7	9	–	3	7-8	9	2000	1	*
3	Birmingham ...	93·0	+18	WSW	4	c	51	65	40	8	8	–	–	7-8	7-8	2500	1	*
	Upper Heyford	94·8	+26	SW'W	6	bc	51	65	38	8	8	6	3	2-3	2-3	3000	1	*
4	Ross-on-Wye	94·3	+24	W'S	5	cq	50	75	42	8	8	–	–	7-8	7-8	3000	1	*
5	Hartland Point	96·0	+30	WSW	6	c	48	85	44	7	6	8	6	7-8	9+	1200	1	5
	Bristol ..	96·1	+12	WSW	5	bc/pr	49	85	43	7	2	–	1	4-6	4-6	1500	1	*
	Portland Bill ...	98·4	+14	SW	5	c	47	92	45	7	5	4	–	4-6	9	4000	1	6
	Plymouth ...	99·4	+30	WSW	6	c/pr	50	75	43	7	8	6	3	9	9+	1600	0	5
	The Lizard ...	00·9	+24	W'S	6	c	48	85	44	7	8	6	–	7-8	7-8	1500	1	5
	Scilly (St. Mary's)	99·9	+34	W'S	6	c/pr	47	85	44	8	8	6	–	7-8	9	1200	1	5
	Guernsey ...																	
6	Pembroke ...	94·0	+22	W'S	7	bcq	48	92	45	7	2	6	1	2-3	4-6	3000	1	4
7	Holyhead (Valley)	89·5	+32	SW'S	6	cjp	48	85	44	8	8	6	3	7-8	9	1000	1	5
	Chester (Sealand)	90·4	+32	SW'W	4	cq	52	65	41	8	9	–	6	7-8	9	3000	1	*
8	Manchester ...	90·0	+30	SW	5	c	50	75	41	8	2	6	–	7-8	7-8	2000	1	*
10	Spurn Head ...	88·7	-6	SW	6	ir	51	92	47	7	3	6	1	4-6	7-8	4000	1	
	Catterick ...	86·7	+28	SSW	3	c	49	75	41	8	5	–	–	9+	9+	1800	1	*
	Tynemouth ...	84·2	+4	S	6	cq	49	75	42	6	8	–	–	9+	9+	2500	1	3
11	St. Abbs Head	82·2	-10	NNE	1	r_0r_0	46	85	43	6	6	2	–	7-8	10	1500	1	2
	Leuchars ...	82·4	+2	E	1	z_0	45	92	43	6	5	2	–	9+	10	2000	1	*
12	Renfrew (Abbotsl.)	84·0	+16	NW	1	z_0	48	92	46	6	5	–	–	4-6	10	1400	1	*
	Eskdalemuir ...	83·7	+16	–	0	rr	43	92	40	6	5	–	–	9+	9+	1200	1	*
	Point of Ayre...	86·4	+28	WNW	5	bc	47	85	44	8	2	4	6	2-3	4-6	4000	1	4
13A	Tiree	85·6	+14	–	0	c	46	92	44	8	8	–	–	7-8	7-8	2800	0	3
13B	Stornoway ...	84·6	+6	NNW	4	c	45	92	43	8	5	7	–	4-6	9+	2000	1	2
15	Dalwhinnie ...	89·3	+4	WSW	2	c	44	85	39	8	5	6	–	4-6	9+	2500	1	*
	Aberdeen ...	83·6	+2	S'E	2	z_0	46	85	42	6	5	7	1	4-6	7-8	2500	1	2
	Wick ...	83·7	0	E	1	c/pr	46	85	42	8	8	6	–	7-8	9+	3800	1	*
16	Sumburgh ...	85·5	+2	SSE	2	c	44	92	42	7	5	7	–	9	10	2500	1	3
	Blacksod Point	88·3	+20	W'N	6	pr	48	75	41	8	9	–	–	9	9	1500	1	5
	Malin Head ...	84·8	+18	W	3	c	48	85	44	8	8	7	–	4-6	9	2500	1	3
	Aldergrove ...	86·1	+22	SW'W	3	cjp	49	75	42	9	3	7	3	2-3	9	2500	1	*
19	Birr Castle ...	91·7	+36	W	4	c	49	65	38	8	8	–	–	7-8	7-8	800	1	*
20	Valentia Obsy.	97·1	+26	W	6	bc	48	55	33	8	2	–	–	2-3	2-3	2500	1	
	Roches Point	95·3	+34	NW'N	5	bc	50	65	39	8	3	–	3	4-6	4-6	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 7th (39)	12h.–18h. 7th (40)	18h. 7th – 1h. 8th (41)	1h.–7h. 8th (42)
1	London (Kew)	cbcpr.	cpr.c	cbcpr.	pr.bbc
	Croydon ...	pr.cpr.	cpr.bc	cir.bc	bcpr.b
	S. Farnborough	cpr.	pr.c	cbccpr.	cpr.b,c
	Boscombe Down	cpr.	cPRq	cpr.q	bcbm.
	Thorney Island	c	c	cpr.bc	bbcprbc
	Lympne ...	bbcc⊕	bcc	c	c
	Manston ...	bcc ⊕	cpr.bc	cpr.bc	bccbcm.
2	Shoeburyness ...	c	c	bccpr.b	bc
	Felixstowe ...	c ⊕	cbccprc	bccbbc	bcb
	Gorleston ...	cpr.m.y	cpr.q	bcc	bbc
	Mildenhall ...	bcc	bccprbc	bcc	bbcb
	Cranwell ...	b,cpr	cprbcprc	cbcbm.	bm.b
3	Birmingham ...	ctlr.pr.	cpr	cr.bc	bcb
	Upper Heyford	pr.tlr.	PRjpbc	bcpsrb	bbcb
4	Ross-on-Wye	pbcqPR	bcq	cq	cb
5	Hartland Point	cprcirbc	bcc	cprbc	bbcphr
	Bristol ..	bctlRH	bcpr	cpr.,bc	bccpr
	Portland Bill ...	c	c	c	c
	Plymouth ...	cm.c	bccpr.	cpr.b	cpr.
	The Lizard ...	bccpr	bpr.c	bcprc	bcprc
	Scilly (St. Mary's)	cbc	bccp.	cp.bc	bcc
	Guernsey ...				
6	Pembroke ...	cbcq	bcq	bcq	bccq
7	Holyhead (Valley)	cpr.r.m.	pr.bc	cjp bcb	b
	Chester (Sealand)	prPRq	cpr.q	cbcy	bcyb
8	Manchester ...	PRq	pr.q	bc	bc
10	Spurn Head ...	cqirl	cq	bc	bcb
	Catterick ...	cr.m.cpr.	cpr.m.c	cbbcc	bcpr.
	Tynemouth ...	c	cprcq	cbcq	bcp.q
11	St. Abbs Head	cpr	cprcir	cprcrbc	bc
	Leuchars ...	bccpr.	cpr.cm.	mrrc	crrcr.pr.
12	Renfrew (Abbotsl.)	m.z.pr.c	ir.cm.	bcpr.Pr	p.Rrrc
	Eskdalemuir ...	rrir	cpr Rpr	crrir	cirrr
	Point of Ayre...	irr.r.c	cprc	bcbbc	prcbcb
13A	Tiree	c	c	cid.	cidr
13B	Stornoway ...	c	cpr	cirbc	bcc
15	Dalwhinnie ...	oirc	c	*	ciro
	Aberdeen ...	bcz.	bcz.	cbz.	bbcorr
	Wick ...	be	cpr.	cbcc	cFfc
16	Sumburgh ...	cr.r.c	cir.c	ccm.id.m.c.m.omf	
	Blacksod Point	pr	pr	bc	pr
	Malin Head ...	r	r	r	pr
	Aldergrove ...	cpr.cir	iLiRprcb	cprpr.	cprob
19	Birr Castle ...	pr	pr	*	pr
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	pr	pr	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 8th April

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate or fresh southwest wind, backing later; bright intervals; showers; local thunderstorms; cool.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate or fresh southwest wind, backing south later freshening; bright intervals and thundery showers at first; rain later; cool
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate or fresh southwest winds; bright intervals; showers; local thunderstorms; rather cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Variable winds, mainly moderate; occasional rain; local thunderstorms; rather cold
16 Orkneys and Shetlands	As 13A - 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5-10

GENERAL INFERENCE

Pressure is low from south of Iceland eastwards to Scandinavia while a trough of low pressure is approaching West Ireland. There will be bright intervals and thundery showers in most districts at first; rain is expected tomorrow in western districts spreading east

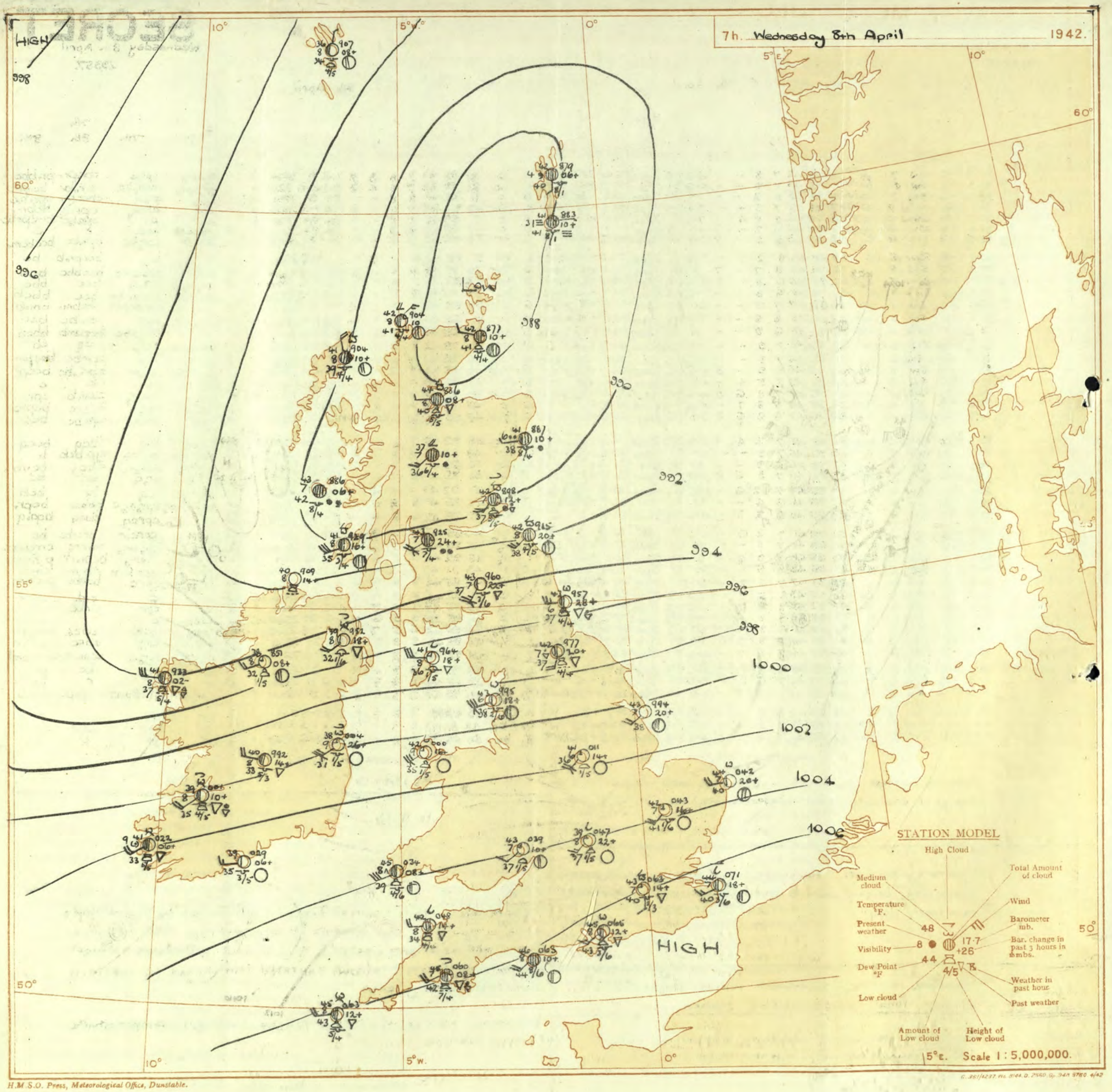
FURTHER OUTLOOK

Unsettled; rain at times, but bright intervals; temperature about average.

Forecasts issued at 10.30 G.M.T.

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

7h. Wednesday 8th April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

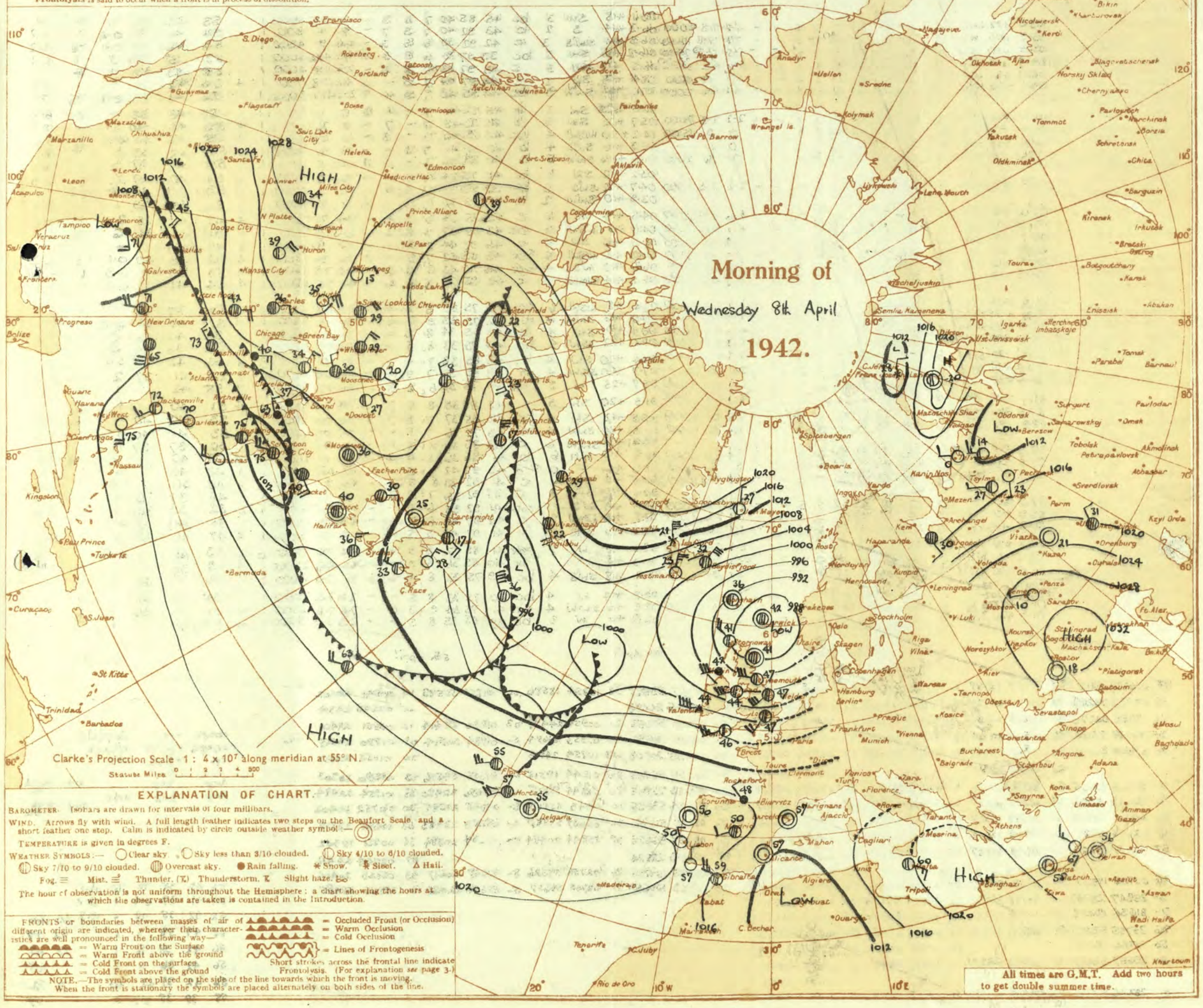
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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.

Wednesday 8th April 1942

No. 29,357.

OBSERVATIONS at 1 hr. G.M.T. 8th April — OBSERVATIONS at 7 hr. G.M.T. 8th April — PAST 24 HOURS.

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind 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)	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)
1	London (Kew)	18	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*	06·1	+18	SW	3	bc	45	85	40	7	5	3	–	1	2-3	4000	1		53	43	35	Tr	Tr	4·1
	Croydon	290	03·5	+22	SW'S	4	c	47	85	41	7	5	–	–	4-6	7-8	2000	06·3	+14	S	2	b	43	92	40	7	5	7	–	Tr	1	800	1	*	54	41	37	0·4	1	6·2
	S. Farnborough	226	03·9	+24	W'S	5	pr	45	85	40	8	5	–	–	7-8	7-8	1200	06·3	+14	SW'S	3	c	42	92	39	8	5	3	–	4-6	9	4500	1	*	54	40	34	0·1	Tr	4·2
	Boscombe Down	417	03·9	+20	SW	3	bc	40	92	38	7	4	–	–	2-3	2-3	2500	06·2	+12	SW	2	bc	39	97	39	6	8	3	9	4-6	4-6	4000	1	*	53	37	29	5	1	0·4
	Thorney Island	10	04·7	+18	WSW	3	pr	47	75	41	8	2	–	–	4-6	4-6	3300	06·5	+12	SW	3	c	45	92	43	8	8	3	–	2-3	7-8	4000	1	*	55	43	39	–	Tr	*
	Lympne	283	06·2	+26	SW	5	c	46	85	42	7	8	–	–	10	10	1200	08·4	+14	SW	2	c	44	97	43	7	9	–	3	4-6	7-8	700	1	4	54	42	39	–	–	7·7
	Manston	154	04·1	+26	WSW	4	2o	47	75	41	6	4	–	–	4-6	4-6	2000	07·1	+18	SW'W	3	bc	44	85	40	7	5	4	8	2-3	4-6	3000	1	*	56	41	38	0·1	Tr	7·7
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	06·6	+22	SW	2	b	45	85	41	7	–	4	8	0	1	–	1	*	57	43	38	–	0·1	6·9
	Felixstowe	12	01·6	+26	SW'W	5	bc	48	85	43	7	5	–	–	2-3	2-3	7000	05·7	+22	SW	3	b	44	92	43	7	–	7	–	0	Tr	–	1	4	56	43	40	1	–	8·5
	Gorleston	5	99·9	+22	W'S	4	c	47	83	44	7	8	–	–	9	9	1500	04·2	+20	WSW	4	bc	44	85	40	7	–	3	–	0	2-3	–	1	3	55	43	35	0·4	–	7·5
	Mildenhall	15	00·1	+24	SW	4	b	47	97	46	7	–	–	–	0	0	–	04·3	+16	SW'S	4	b	42	97	41	7	5	–	–	Tr	Tr	4000	1	*	57	42	35	3	Tr	8·9
	Cranwell	203	97·6	+24	SW'W	4	2o	45	85	43	6	5	–	–	Tr	Tr	2000	01·9	+16	SW'W	5	b	41	85	36	7	–	3	1	0	1	–	1	*	55	41	37	3	–	6·6
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	03·2	+12	SW	3	b	41	75	34	8	1	–	–	Tr	Tr	2500	1	*	54	40	37	2	Tr	4·9
	Upper Heyford	408	00·5	+22	WSW	5	bc/pr	44	92	41	8	4	–	–	2-3	2-3	2000	04·7	+22	SW'S	3	b	39	92	37	8	2	4	–	Tr	1	2500	1	*	53	37	33	5	0·2	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	03·9	+10	SW'W	2	b	43	75	37	7	1	–	3	Tr	Tr	3000	1	*	54	40	29	1	–	6·8
5	Hartland Point	299	02·6	+16	W'S	5	bc	46	75	36	8	4	–	–	4-6	4-6	2500	04·8	+14	W	4	c	42	75	34	8	3	4	–	4-6	7-8	1500	1	4	49	41	38	2	2	5·7
	Bristol	209	02·7	+16	SW	4	bc/pr	45	75	37	7	8	7	2	4-6	4-6	2500	04·6	+6	WSW	3	bc	43	75	37	7	8	3	–	2-3	2-3	2500	1	*	56	41	33	6	2	5·2
	Portland Bill	32	04·2	+12	SW	5	c	46	92	44	7	5	–	–	7-8	7-8	4000	06·3	+10	SW	4	c	46	92	44	8	5	–	–	10	10	4000	1	5	49	(46)	*	–	–	*
	Plymouth	82	05·0	+14	W	4	c pr	44	85	39	8	2	–	–	9+	9+	3200	06·0	+8	WSW	4	c/pr	45	85	42	7	9	–	3	9+	9+	1500	1	4	52	43	40	0·1	1	6·2
	The Lizard	240	04·9	+12	W'N	7	ps	44	85	41	7	8	–	–	7-8	7-8	1500	06·3	+12	W'S	4	c/pr	45	92	43	8	8	6	–	7-8	7-8	1500	1	4	53	43	*	0·3	1	6·[illegible]
	Scilly (St. Mary's)	163	04·5	+10	W'S	5	bc	46	75	39	8	8	6	–	4-6	4-6	1500	06·1	+14	WNW	3	c	42	85	38	8	8	6	–	4-6	7-8	1500	1	4	54	41	*	0·4	–	6·9
	Guernsey	175																																						
6	Pembroke	142	01·4	+22	W'S	5	bcq	46	75	37	8	1	–	–	2-3	2-3	4000	03·4	+8	WSW	6	cq	45	75	39	8	8	4	–	4-6	7-8	4000	1	4	50	37	*	1	–	
7	Holyhead (Valley)	32	97·1	+22	SW'W	6	bc	44	75	36	8	5	–	–	2-3	2-3	2100	00·0	+16	SW'W	6	b	42	75	35	9	2	4	–	Tr	1	2500	1	5	51	41	38	0·6	–	*
	Chester (Sealand)	16	97·9	+32	WSW	2	bc	45	55	32	7	5	–	–	4-6	4-6	3900	00·4	+10	SW	4	b	43	65	34	8	3	4	–	Tr	1	1500	1	*	56	42	36	3	–	4·4
8	Manchester	235	97·6	+30	SW	5	bc	44	65	34	7	4	–	–	2-3	2-3	3000	01·2	+22	SSW	4	bc	40	75	33	8	5	–	–	2-3	2-3	3000	1	*	52	38	34	3	–	*
10	Spurn Head	29	95·3	-24	SW'S	6	bc	47	85	43	7	2	6	–	2-3	4-6	4000	99·4	+20	SW	4	b	43	85	38	7	–	–	–	0	0	–	0	4	53	43	*	0·6	–	5·7
	Catterick	175	94·4	+30	SW	2	c	45	75	38	7	5	–	–	9+	9+	1700	97·7	+20	SSW	4	pr	42	85	37	7	9	–	–	4-6	4-6	1400	1	*	54	41	37	2	0·1	2·6
	Tynemouth	108	91·4	+28	W	6	bcq	47	85	43	7	8	4	–	2-3	2-3	2500	95·7	+28	W	5	bc/pr	43	75	37	6	2	3	–	4-6	4-6	2000	1	3	55	42		1	Tr	*
11	St. Abbs Head	280	88·7	+30	SW	4	bc	43	85	38	7	5	2	–	4-6	4-6	1500	91·5	+20	SW	5	c	42	85	38	8	5	7	–	7-8	7-8	2500	1	4	51	40	*	1	3	*
	Leuchars	36	87·3	+16	NSW	3	c	44	92	42	7	5	2	–	2-3	9	2000	89·8	+12	SW	4	c/pr	42	85	37	7	8	7	1	7-8	9+	2000	2	*	53	(42)	40	1	4	4·0
12	Renfrew (Abbots I.)	19	88·9	+12	WSW	3	PR	44	92	42	5	3	–	–	10	10	1600	92·5	+24	SW'W	4	c/r	43	75	36	7	5	–	–	9+	9+	1500	1	*	53	41	40	0·1	5	0·7
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	94·4	+24	SW'W	6	c	38	85	33	8	5	–	–	9	9	1100	1		50	37	37	14	6	0·4
	Point of Ayre	30	92·8	+24	W'N	6	bc	43	85	38	8	5	–	–	4-6	4-6	3000	96·4	+18	W'N	6	b	41	85	36	8	4	4	–	Tr	1	2000	1	4	53	40	*	2	0·4	0·9
13A	Tiree	22	87·5	+6	–	0	c/d	45	92	43	7	5	–	–	9	9	2100	88·6	+6	–	0	c/d	43	97	42	7	5	–	–	10	10	1500	1	3	49	42	*	–	1	1·2
13B	Stornoway	80	88·4	+10	NNW	4	bc	41	92	39	7	5	–	–	4-6	4-6	1000	90·4	+10	NNW	4	c	41	92	39	8	5	7	–	4-6	9	1500	1	1	48	36	*	0·5	2	2·8
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	90·4	+10	SW	3	c	37	92	36	7	5	2	–	9	10	1500	1	*	48	37	36	4	4	0·8
	Aberdeen	79	87·0	+10	–	0	2o	41	85	38	5	5	–	–	7-8	7-8	2500	88·7	+10	W'S	1	roro	41	92	38	6	5	–	–	10	10	1100	1	2	52	39	34	–	12	8·8
	Wick	114	85·9	+10	W	2	c	41	97	40	7	5	3	–	7-8	7-8	4200	87·7	+10	WNW	2	c	42	97	40	8	8	–	–	4-6	9+	1200	1	*	50	(41)	37	0·2	–	*
16	Sumburgh	19	86·8	+2	–	0	o/d	42	97	42	5	5	–	–	10	10	600	88·3	+10	ENE	1	f+	41	97	41	3	5	–	–	10	10	300	1	2	47	40	39	1	–	0·1
17	Blacksod Point	18	93·2	+10	NW	6	bc	44	65	34	8	8	–	–	2-3	2-3	2500	93·3	-2	W	7	c/phr	41	85	37	8	9	–	–	7-8	7-8	1500	0	6	53	41	*	0·6	2	*
18	Malin Head	84	88·1	-6	WSW	6	ir	44	85	40	6	6	2	–	4-6	9+	1500	90·9	+14			bc/pr	40	85	36	8	9	–	–	4-6	4-6	2500	1	4	49	38		2	3	0·0
	Aldergrove	268	92·0	+22	SW'W	5	pr	42	85	38	8	9	–	–	9+	9+	1600	95·2	+18	SW'S	4	bc	39	75	32	8	4	6	3	Tr	2-3	4000	1	*	50	37	35	3	Tr	0·6
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	89·2	+14	W	4	bc	40	75	33	8	5	–	–	2-3	2-3	2500	1	*	55	34	32	1	2	5·0
20	Valentia Obsy.	30	01·3	+10	W	8	phr	44	65	34	9	3	–	–	9	9	2500	02·2	+6	SW'W	4	cjp	41	75	34	9	3	6	–	7-8	7-8	2500	1	4	51	40	36	1	2	
	Roches Point	22	01·5	+20	W'S	4	b	42	85	38	8	–	–	–	0	0	–	02·9	+6	W	3	bc	39	85	35	8	5	–	–	2-3	2-3	2500	1	4	53	39	*	1	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$ (13h. G.M.T. 7th April)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 8th April)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109 87	02875	15317	3-	81767	13287	5-	02865	00025	5-	05667	00027
115 52	09725	08268	52	09725	04318	52	09835	04328	52	02834	04387
203 74	02935	04226	5-	02857	--327	5-	52838	32458	5-	02838	32528
206 9-	82748	24188	86	01964	08215	8-	25756	00086	87	02855	24188
210 86	82855	30227	8-	10867	07287	8-	02867	22287	59	02746	20267
220			80	02845	02315				57	02855	32217
230 8-	81746	32166	8-	25846	22186	8-	02846	20216	5-	63648	53568
245 36	25853	15384	87	02755	06287	62	64656	22288	99	02746	20267
260 86	01864	12385	5-	25748	07288	50	01743	20383	80	81854	20685
278 6-	62628	10388	96	25844	27486	8-	02858	22488	50	00853	53413
279 87	61645	13467	8-	81647	21587	8-	02857	53687	50	00763	52583
285									37	81635	24587
288 26	02746	17527	9-	02937	54687	5-	02756	55516	86	01745	54415
575 8-	25847	28387	9-	81737	26387	80	25844	57484	20	00851	20311
301 9-	81634	19488	2-	02756	22516	00	00790	55500	53	05662	55613
321 96	25755	53486	86	02744	52425	50	05654	23424	54	05661	22312
299 50	10754	18414				50	01752	20302	54	01753	20314
292 8-	25657	53487	87	02744	55487	50	00751	56411	20	01754	22414
310									--	01632	20313
814 8-	25746	51586	90	01754	55484	50	00753	22313	10	05651	53401
333 9-	81747	53587	38	10854	18586	1-	01853	55583	14	00841	20402
334 --	65646	24488							--	02645	24316
340 5-	81948	57688	2-	02956	24427	03	01890	55414	10	00851	22401
136 9-	81648	18688	86	02953	52694	5-	01784	30514	03	01790	20513
336 52	22755	20568	24	10754	24516				20	01753	20413
350 9-	82735	85785	96	01844	19515	2-	81656	54516	03	05690	20303
368 20	15943	22585	80	02844	57615	--	00690	22480	33	01754	22484
379 90	28734	53696	20	01743	55513	8-	05645	22585	30	00752	30402
390 86	05655	51526	9-	05637	53587	40	05553	23483	03	05690	23312
38[illegible] 9-	88738	56688	97	25844	20484	80	25654	20384	36	00851	19302
438 87	02753	22524							87	02744	24416
430 8-	02755	15625	8-	02756	54526	8-	81647	20617	43	05663	20414
409 80	01743	54683	5-	02745	56627	5-	05656	22486	8-	27855	58485

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 when it is 9h—18h.

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew	cbcpro	cpro c	cbcproc bc	Kew 24 hours ended 7h.
Croydon	proc pro	cpro bc	ciro pro b	Max. Time
Greenwich	co	cfoyc	cbc	0·1 15-18h 7th
Camden Square	c	c	*	Min. Time
Kensington	bcp	bcp	*	<0·1 0-5h 8th
Hampstead	bcp	bcp	orbc	

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	43	35	Tr	Tr	4·1	*	*
Croydon	54	41	37	0·4	1	6·2	*	*
Greenwich	56	42	35	Tr	–	5·7	60	60
Westminster	55	44	38	–	–		42	77
Regents Park	56	42	38	Tr	1		59	65
Camden Square	56	42	36	–	1	*	*	68
Kensington	56	42	37	0·1	10		71	72
Hampstead	55	39	35	0·7	2		*	77

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SECRET

BRITISH SECTION

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

Thursday, 9th April, 1942

No. 29,358

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	07·8	+12	SW	4	tlr	46	75	39	7	8	-	3	9	9+	2500
	Croydon	07·2	+2	WSW	3	pr	51	65	39	7	9	6	3	7-8	9	1500
	S. Farnborough	08·1	+14	W	3	eTLR	42	97	40	9	3	-	3	2-3	4-6	2000
	Boscombe Down	07·6	+6	SW'W	4	bc	50	75	41	8	3	-	-	4-6	4-6	2500
	Thorney Island	08·3	+8	WSW	4	bc	50	45	30	8	8	-	-	4-6	4-6	1500
	Lympne	09·1	+2	SW	3	c	51	75	44	8	2	-	-	7-8	7-8	1000
	Manston	08·2	+4	W'S	3	c/pr	49	75	42	8	9	-	-	7-8	7-8	1600
2	Shoeburyness	08·1	+6	S'W	3	c	50	75	43	8	9	3	-	4-6	9+	1500
	Felixstowe	06·4	-2	SSW	5	bc	47	85	42	8	8	-	-	7-8	7-8	4000
	Gorleston	06·6	+6	W'N	4	bc	52	65	40	7	1	-	5	4-6	7-8	2500
	Mildenhall	05·4	+0	SW'W	5	bc	53	85	47	8	8	-	-	7-8	7-8	3000
	Cranwell	04·3	+10	SW'W	5	bc	52	55	36	8	2	-	1	4-6	4-6	3500
3	Birmingham	05·6	+10	W	3	cphr	48	55	34	8	9	-	3	4-6	7-8	1500
	Upper Heyford	05·7	+0	W	3	cphr	48	92	47	7	9	-	3	9	9	2500
4	Ross-on-Wye	05·9	+6	W'S	5	cq	48	55	35	8	2	-	3	7-8	7-8	3000
5	Hartland Point	06·5	+8	WSW	5	bc	45	65	35	8	3	-	-	4-6	4-6	1200
	Bristol	07·7	+8	WSW	4	bc	49	65	39	8	3	6	3	4-6	7-8	2500
	Portland Bill	09·7	+12	WSW	4	c	46	92	44	8	2	-	-	4-6	10	4000
	Plymouth	09·2	+12	SW'W	5	prbr	48	75	41	8	9	6	3	9	9	2500
	The Lizard	09·5	+10	WSW	5	bc	49	75	42	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	08·8	+8	SW'W	5	bc	51	65	38	8	8	6	-	2-3	4-6	1500
	Guernsey															
6	Pembroke	06·2	+6	WSW	6	bc/ph	43	85	39	8	8	6	-	4-6	4-6	2500
7	Holyhead (Valley)	01·4	+4	SW'S	6	bc	50	65	39	9	3	-	3	2-3	2-3	2500
	Chester (Sealand)	02·7	+2	SW	4	c/pr	53	45	31	8	2	-	-	7-8	7-8	2500
8	Manchester	03·0	+6	SW'W	5	bc	51	55	34	8	2	-	-	4-6	4-6	2500
10	Spurn Head	02·8	+10	WSW	5	cq	51	55	36	7	2	-		4-6	4-6	4000
	Catterick	00·9	+10	SW'W	4	bc	49	45	28	8	4	-	-	4-6	4-6	3000
	Tynemouth	98·8	+14	W	6	bcq	51	45	29	7	2	-	-	4-6	4-6	2000
11	St. Abbs Head	93·8	+8	SW	6	c	47	65	35	8	7	-	-	7-8	7-8	2500
	Leuchars	93·6	+14	N	6	Zo	47	65	32	6	8	7	1	4-6	9+	2000
12	Renfrew (Abbots I.)	95·7	+10	SW	5	c	47	55	32	8	8	7	5	4-6	7-8	2000
	Eskdalemuir	96·7	+8	SW'S	7	c	44	55	30	8	8	-	-	7-8	7-8	2200
	Point of Ayre	98·7	+6	W'S	6	c	50	55	36	8	2	6	-	4-6	7-8	3500
13A	Tiree	94·0	+24	NNE	2	c	46	85	42	7	5	-	-	9+	9+	1800
13B	Stornoway	92·8	+12	NE	4	c	46	75	35	8	5	7	-	7-8	9	2500
15	Dalwhinnie	94·6	+20	SW	3	r₀r₀	39	85	36	7	5	-	-	10	10	1500
	Aberdeen	92·2	+20	W'S	3	r₀r₀	43	92	40	6	5	-	-	10	10	1100
	Wick	90·9	+18	N'W	2	c/pr	45	85	41	8	8	-	-	4-6	9+	900
16	Sumburgh	90·6	+14	ENE	1	m	43	97	42	4	5	-	-	10	10	200
17	Blacksod Point	95·6	+34	N	4	c	47	92	45	8	9	-	-	7-8	7-8	1500
18	Malin Head	93·6	+10	SSW	4	c	46	75	39	8	4	5	-	4-6	7-8	2500
	Aldergrove	96·2	0	SW'S	5	pr	43	75	36	8	8	-	-	10	10	2500
19	Birr Castle	99·6	+0	SW	5	c	49	55	35	8	3	7	-	2-3	7-8	800
20	Valentia Obsy.	04·1	+10	W	5	bc/pr	48	65	37	9	3	-	3	2-3	4-6	2500
	Roches Point	04·2	+6	W'S	5	bc/phr	48	55	34	9	3	-	-	2-3	2-3	1500

OBSERVATIONS at 18h. G.M.T. 8th 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)	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)
1	London (Kew)	08·6	+8	SW	4	c	46	75	39	7	8	-	-	7-8	7-8	2500	1	*
	Croydon	09·1	+20	WSW	3	pr₀	44	85	39	7	9	-	3	4-6	4-6	1800	1	*
	S. Farnborough	08·8	+2	SW'W	5	bc/ph	47	75	39	9	3	-	3	2-3	2-3	2000	2	*
	Boscombe Down	09·1	+6	SW'W	5	bc	45	75	38	8	3	-	-	2-3	2-3	3000	1	*
	Thorney Island	09·9	+10	W	4	bjp	48	75	40	9	3	2	3	Tr	Tr	2500	1	*
	Lympne	10·9	+14	WSW	3	bc	46	65	36	8	2	-	-	4-6	4-6	2800	1	§3
	Manston	09·5	+14	W	3	b/pr	43	85	37	8	8	6	3	Tr	1	2000	1	*
2	Shoeburyness	09·5	+14	SW	2	bc	46	75	39	8	3	-	3	1	2-3	2600	1	*
	Felixstowe	07·9	+10	SW'W	4	c/pr	47	85	42	8	-	7	-	0	7-8	-	1	4
	Gorleston	07·2	+4	SW'S	4	bc	48	75	40	7	8	4	-	2-3	4-6	2500	0	3
	Mildenhall	06·6	+6	SSW	3	bc	48	75	39	8	8	-	-	2-3	2-3	3000	0	*
	Cranwell	05·1	+10	SW	3	c/r	42	85	38	8	3	-	3	4-6	7-8	1500	1	*
3	Birmingham	06·0	+4	SW	4	bc/pr	45	65	34	8	8	-	-	4-6	4-6	2500	1	*
	Upper Heyford	07·2	+6	WSW	5	bc	47	55	32	8	3	6	-	4-6	4-6	2500	1	*
4	Ross-on-Wye	06·9	+4	W'S	5	beq	47	65	35	8	2	-	-	4-6	4-6	3500	1	*
5	Hartland Point	07·9	+8	WSW	5	bc/pr	44	85	39	8	3	4	5	2-3	4-6	1500	1	
	Bristol	08·6	+8	W	4	bc	48	65	37	8	8	7	-	2-3	4-6	2500	1	*
	Portland Bill	11·4	+6	SW	4	bc	46	92	44	8	2	-	-	4-6	4-6	4000	2	5
	Plymouth	09·8	+6	SW'W	5	bc	48	75	41	8	8	3	-	4-6	4-6	2500	0	4
	The Lizard	09·9	0	WSW	5	bc	49	75	42	8	8	6	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	08·6	+0	SW'S	4	c	48	85	44	8	8	4	5	4-6	9	1500	0	
	Guernsey																	
6	Pembroke	06·5	+4	SW'W	6	bc	47	85	43	8	2	6	-	2-3	4-6	2500	1	5
7	Holyhead (Valley)	01·2	+0	SW'W	6	c	47	75	39	8	8	3	-	4-6	9	2600	1	5
	Chester (Sealand)	03·2	+4	SW'W	4	beq	48	55	34	8	2	4	3	2-3	4-6	3000	1	*
8	Manchester	02·8	+2	SW'W	4	bc	47	55	32	9	2	6	3	2-3	4-6	3500	0	*
10	Spurn Head	03·6	+6	SW'W	6	c/pr	49	65	38	7	8	4	1	4-6	7-8	1500	1	5
	Catterick	02·0	+14	SW	5	ir₀	41	85	37	6	5	2	-	9	10	1000	1	*
	Tynemouth	99·8	+6	SW	6	cq	45	75	36	7	8	-	-	7-8	7-8	2200	1	3
11	St. Abbs Head	96·5	+10	WSW	5	c	44	85	39	8	2	7	-	4-6	7-8	1500	1	3
	Leuchars	96·5	+10	NSW	4	c	48	65	34	8	2	3	4	2-3	9+	3000	1	*
12	Renfrew (Abbots I.)	96·6	+6	SW	3	bc	45	75	38	7	2	6	-	4-6	4-6	2200	1	*
	Eskdalemuir	98·1	+4	SW'S	5	r₀r₀	37	92	35	6	-	2	-	10	10	400	1	*
	Point of Ayre	97·7	+10	WSW	6	c/r	43	92	41	8	8	2	-	9	10	4000	1	
13A	Tiree	96·1	+12	NW'N	1	bc	46	75	39	8	1	3	-	2-3	4-6	3500	0	
13B	Stornoway	96·3	+12	-	0	c/pr	46	75	43	9	3	7	-	4-6	7-8	2500		-
15	Dalwhinnie	96·7	+8	SW	3	c	41	75	36	8	5	6	-	4-6	7-8	1500	1	*
	Aberdeen	95·4	+18	W'N	2	r₀r₀	44	85	41	6	9	2	-	4-6	10	1400	1	2
	Wick	94·4	+20	NNW	3	bc	45	75	36	9	5	4	5	2-3	4-6	4000	1	*
16	Sumburgh	92·8	+16	N	1	r₀r₀	44	97	43	4	5	2	-	7-8	10	500	1	2
17	Blacksod Point	99·5	+10	W'S	3	c	48	6	37	8	8	-	8	7-8	9	2500	1	
18	Malin Head	96·6	+22	WNW	3	c	45	85	41	8	5	-	-	7-8	7-8	2500	1	3
	Aldergrove	96·5	-8	SW'W	2	bc/d	45	92	43	7	8	-	-	4-6	4-6	2000	1	*
19	Birr Castle	01·7	+14	SW	3	c	47	65	36	8	8	-	-	7-8	9	1500	1	*
20	Valentia Obsy.	01·3	-26	S'W	4	c	47	75	40	9	2	1	-	1	9+	2500	1	
	Roches Point	04·5	+2	W'S	3	c	48	75	41	9	3	7	5	2-3	7-8	1500	1	

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. 8th (39)	13h.–18h. 8th (40)	18h. 8th to 1h. 9th (41)	1h.–7h. 9th (42)
1	London (Kew)	beeprt	cpr hbc	bcbbc	cr₀r₀
	Croydon	cph₀pr₀	tl₀Hpr₀	pr₀Zbm₀	ir₀r₀
	S. Farnborough	cbeycPRtlqbc	bccPRqm₀	b	b,cdm₀r₀r₀
	Boscombe Down	bcpr	bcctlrh	bcb	
	Thorney Island	cpr₀bc	cpr bcb	prbcr₀	crr
	Lympne	cpr₀phrm₀	cpr₀bc	bcbwc	bem₀wc
	Manston	becpr₀	becpqb	b,bw	bwcm₀c
2	Shoeburyness	ctlrbcc	cptlRcb	bccr₀	b
	Felixstowe	bcpr₀bc	bcpr₀c	cb	bcir₀c
	Gorleston	bc	cpr₀bc	bm₀	bcor₀r₀
	Mildenhall	bbccbc	bccpr₀bc	bcb	bbccr₀r₀m
	Cranwell	bc	bcprbc	bcbm₀	cm₀r₀
3	Birmingham	bbc	bcpr₀	bc	bccrr
	Upper Heyford	cph	cph₀pr₀,bc	bcbbcc	cr₀r₀rr
4	Ross-on-Wye	bcphcq	bcq	bcqb	cprrq
5	Hartland Point	bc	bccpr	bccrr	rrc
	Bristol	cPHRbc	bccpr₀	b,cpr₀	cpr₀r₀r₀
	Portland Bill	cbcpr	bcbc	bcc	orr
	Plymouth	cpr₀br	cpr₀brc	cr₀r₀rr	crrm
	The Lizard	bc	prbc	cprrr	rrc
	Scilly (St. Mary's)	bcp	bcpc	cprrr	crrcR
	Guernsey				
6	Pembroke	bcq	bcq	bccqrr	cir₀qm₀
7	Holyhead (Valley)	bbc	bcc	cbcb	cr₀r₀c
	Chester (Sealand)	bbcyq	bcqy	bcybm₀	cm₀r₀r₀
8	Manchester	pr₀qy	pr₀y	bcb	cr₀r₀
10	Spurn Head	bcq	cqpr	bcq	cr₀r₀
	Catterick	pr₀bcy	bcyccir₀m₀	cir₀m₀	cm₀cr₀m
	Tynemouth	bcq	bccq	cqpbc	c
11	St. Abbs Head	bc	bcc	bcb	bbc
	Leuchars	cmccm₀	cm₀yc	bbm₀	bm₀bcm₀
12	Renfrew (Abbots I.)	crrcy	c	bcbbcm₀	mcir₀r₀
	Eskdalemuir	cphbc	cphrr₀	or₀r₀	cir₀
	Point of Ayre	bbcy	rrr₀r₀c	cprbc	cir₀rr
13A	Tiree	cid₀	bc	bbc	bcc
13B	Stornoway	cpr₀		bcc	cbcc
15	Dalwhinnie	or₀r₀	oir₀c	*	cbcc
	Aberdeen	cr₀r₀z₀	crrr₀	bc	bcbmx
	Wick	ccpr₀	cbc	b,c	cbc
16	Sumburgh	ofd₀m	omir₀r₀	tr₀r₀cbc	bccprc
17	Blacksod Point	bc	cir	r	pr
18	Malin Head	bc	bc	c	r
	Aldergrove	bccpr₀	cr₀r₀d₀	bccbr₀b	bccr₀r₀
19	Birr Castle	cprc	c	*	pr
20	Valentia Obsy.	bcpr	cpr	r	pr
	Roches Point	cphbc	bc	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 9th April

Districts	Forecast
1 S.E. England ✦	Fresh south wind, strong to gale locally on coasts, veering slowly southwest later. Occasional rain, some bright intervals; local thunderstorms: mild.
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	Fresh south to southeast wind, strong to gale locally on coasts; occasional rain, some bright intervals. Local thunder; rather mild.
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	As 11-15
17 N.W. Ireland ✦	As 1-10
18 N.E. Ireland ✦	
19 S.E. Ireland ✦	
20 S.W. Ireland ✦	

GENERAL INFERENCE

A complex depression off Southwest Ireland is moving slowly northeast. Weather will be unsettled generally, with rain at times but also some bright intervals. It will be rather mild.

FURTHER OUTLOOK

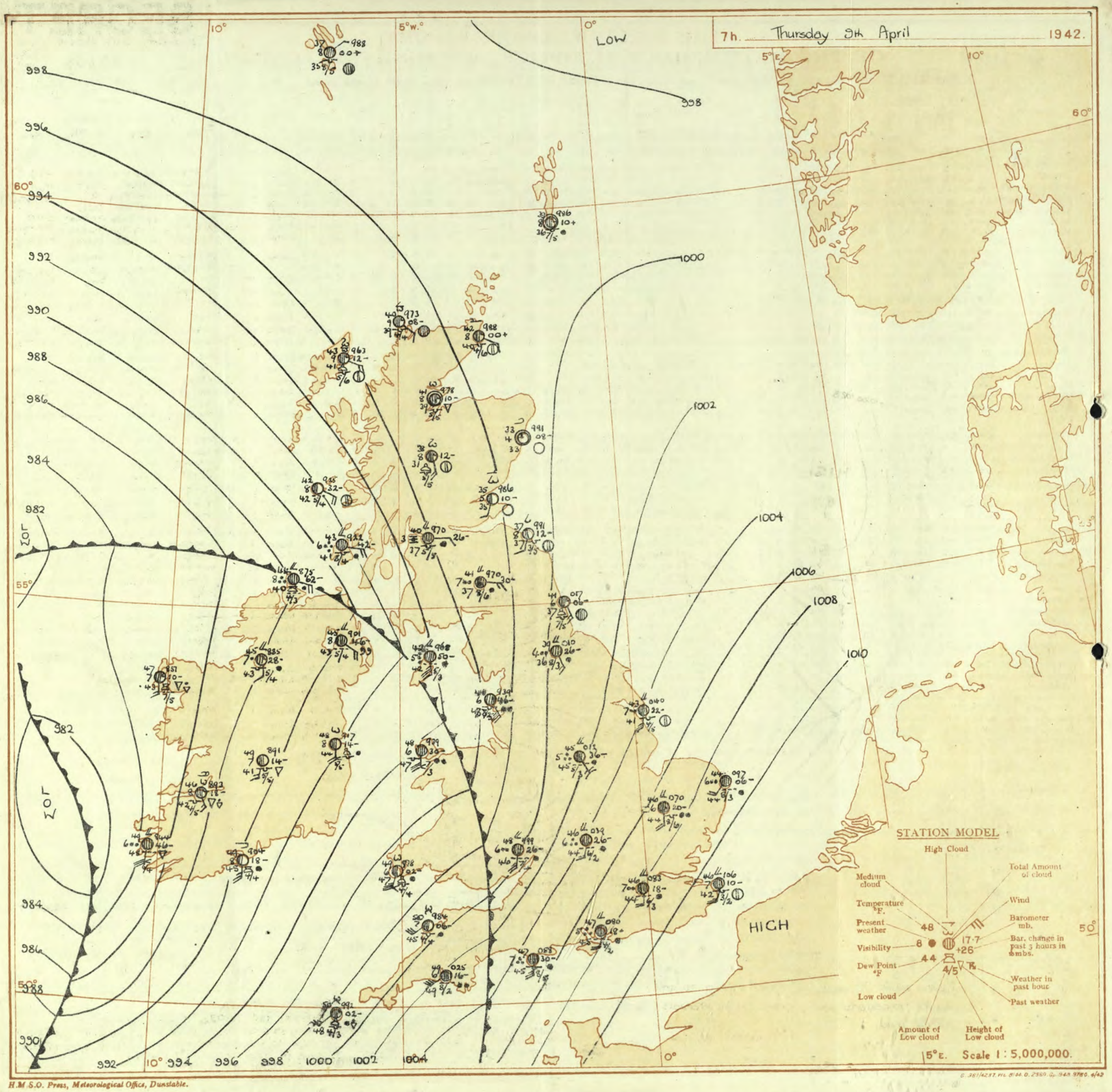
Unsettled for some days with rain at times, but some bright intervals.

✦ Gale warning in operation in districts 5, 6, 19 & 20, time of issue 2115 G.M.T. 8.4.42; in district 1, time of issue, 2305 G.M.T. 8.4.42.; in districts 7, 8, 12, 13A & 18, time of issue 0345 G.M.T. 9.4.42. In district 17, time of issue 0900 G.M.T. 9.4.42.

Forecasts issued at

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

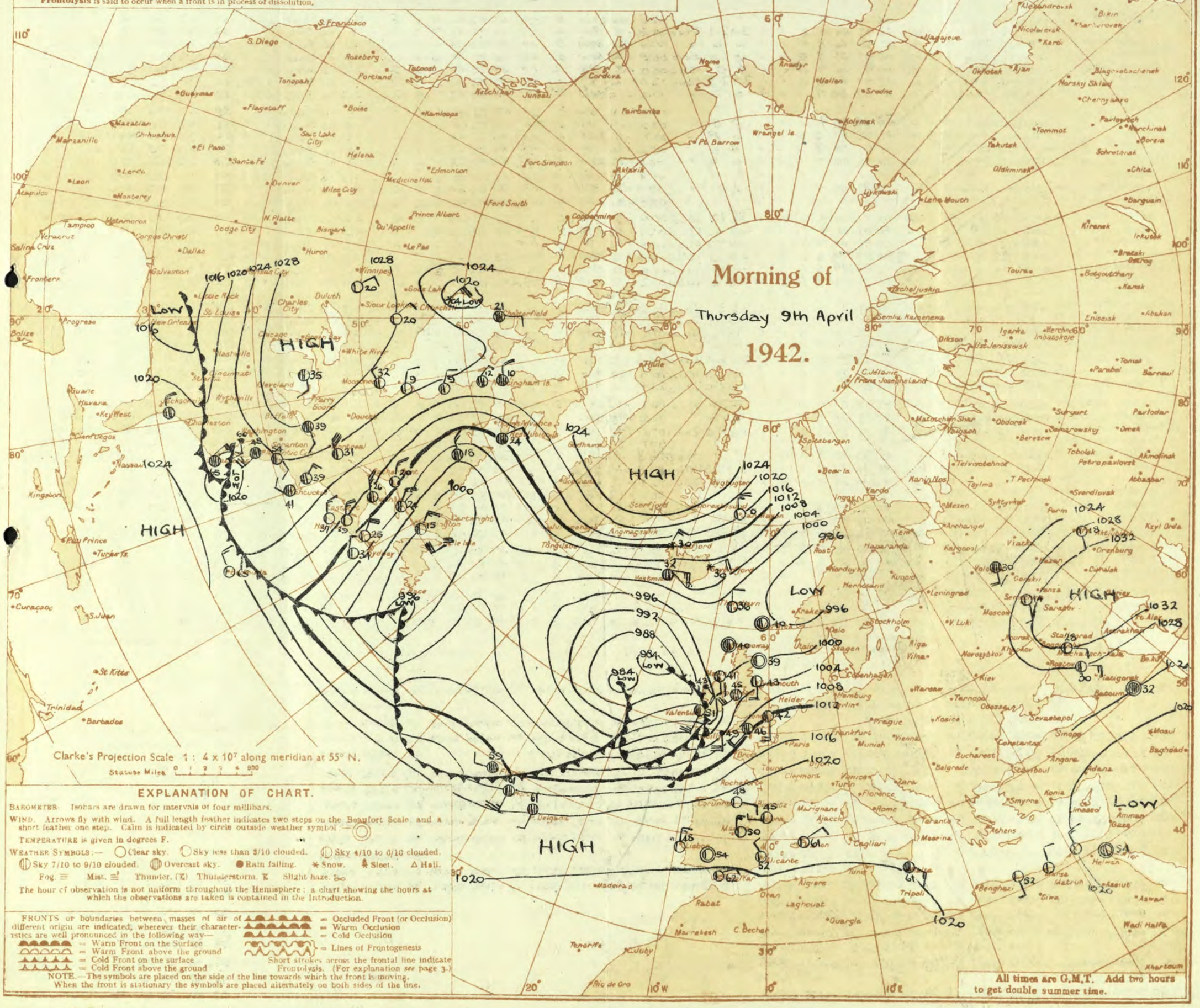
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday, 9th April 1942

No. 29,358

OBSERVATIONS at 1 hr. G.M.T. 9th 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)	Form Med. (11)	Form High (12)	Amount Low 0-10 (13)	Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	11.4	0	S	3	bc	42	92	40	6	5	-	-	2-3	2-3	2300
	S. Farnborough	226	10.8	-2	SSW	4	b	43	85	40	8	-	-	-	0	0	-
	Boscombe Down	417	10.4	-10	SSW	4	d	43	87	43	7	6	-	-	10	10	400
	Thorney Island	10	11.5	-2	SSW	3	c	46	87	45	7	5	-	-	0	0	1900
	Lympne ..	283	10.0	+6	SSW	3	bc	42	87	41	6	5	-	-	2-3	2-3	1200
	Manston ...	154	12.4	+8	SW	3	b	41	92	39	7	-	-	3	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	11.1	+10	SW	4	b	43	85	39	7	-	-	-	0	0	-
	Gorleston ...	5	10.0	+12	SW'W	4	b	41	85	37	6	-	-	-	0	0	-
	Mildenhall ...	15	09.6	+8	SSW	4	b	41	85	38	8	-	-	-	0	0	-
	Cranwell ...	203	07.3	+8	SSW	4	b	39	85	36	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08.5	-4	SW'W	3	c	40	85	37	7	-	1	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	04.1	-36	SW	4	r	48	85	45	7	5	2	-	7-8	10	1500
	Bristol ...	209	03.2	-10	S	3	pr	45	92	43	7	8	-	-	10	10	1200
	Portland Bill ...	32	03.9	-20	SW	4	c	46	92	44	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	07.7	-22	SW	5	r	50	92	48	6	6	2	-	4-6	10	1000
	The Lizard ...	240	05.4	-30	S'W	6	r	49	87	49	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	01.8	-42	S'W	6	r	49	87	48	5	5	2	-	7-8	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	01.5	-50	S'E	7	r	47	97	47	7	8	1	-	7-8	9	2500
7	Holyhead (Valley)	32	02.0	-18	SW	5	c	45	85	42	7	7	-	-	2-3	7-8	3000
	Chester (Sealand)	16	05.1	+4	S	2	z	42	92	39	6	5	-	1	Tr	1	6000
8	Manchester ...	235	05.5	+6	S'W	4	b	39	85	35	8	-	-	-	0	0	-
10	Spurn Head ...	29	06.1	+8	SW	5	bcq	41	85	37	7	4	-	-	2-3	2-3	4000
	Catterick ...	175	03.6	+12	SW	3	c	45	75	35	6	5	-	-	10	10	1800
	Tynemouth ...	108	01.2	+10	SSW	3	z	43	85	39	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	00.1	+14	SW	2	b	37	92	34	7	4	-	-	Tr	Tr	1500
	Leuchars ...	36	99.4	+12	WSW	2	z	37	92	35	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	00.4	+6	SE'S	1	z	39	92	37	6	8	-	-	4-6	4-6	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	01.6	+10	WSW	3	b	41	85	39	8	4	2	1	9	9	3000
13A	Tiree	22	98.2	0	-	0	bc	38	92	36	8	5	-	-	2-3	2-3	3500
13B	Stornoway ...	80	98.1	+6	-	0	c	40	87	38	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	98.7	+18	-	0	b	39	92	37	8	5	-	-	1	1	3000
	Wick ...	114	98.8	+14	WSW	2	c	37	92	34	8	5	7	-	2-3	9	4000
16	Sumburgh ..	19	97.1	+16	-	0	bc	40	85	36	8	5	-	-	2-3	2-3	2500
17	Blacksod Point	18	92.1	-42	SE'E	4	RR	43	85	39	7	6	2	-	7-8	10	800
18	Malin Head ...	84	97.1	-12	SSE	1	bc	41	85	37	8	4	-	-	2-3	2-3	1500
	Aldergrove ...	268	99.4	-10	SE'S	2	bc	37	85	34	8	-	4	5	0	2-3	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	96.6	-24	SSW	5	c	51	85	47	8	2	-	-	9	9	1500
	Roches Point	22	93.4	-62	S	7	r	47	97	46	6	6	2	-	7-8	10	800

OBSERVATIONS at 7 hr. 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)	07.2	-16	SSW	4	r	47	92	45	6	6	2	-	7-8	10	1500	1	*
	Croydon ...	08.3	-18	S'W	4	r	46	92	44	7	6	2	-	9	10	800	1	*
	S. Farnborough	07.0	-20	SSW	5	r	47	92	44	6	5	-	-	10	10	800	1	*
	Boscombe Down	05.0	-26	SSW	6	RR	46	97	46	6	6	2	-	9+	10	300	1	*
	Thorney Island	08.0	-18	S'W	4	r	47	97	45	5	6	2	-	4-6	10	450	1	*
	Lympne ..	12.3	-10	S	4	c	45	92	43	6	5	2	-	9	10	800	1	5
	Manston ...	10.6	-10	SSW	5	c	46	85	42	7	5	2	-	2-3	10	300	1	*
2	Shoeburyness ...	10.1	-14	S'W	3	c	47	92	44	8	5	-	-	10	10	1600	1	*
	Felixstowe ...	09.9	-14	S'W	5	c	46	92	43	6	5	-	-	10	10	3000	1	4
	Gorleston ...	09.7	-6	SW'S	4	r	44	92	44	6	6	-	-	10	10	800	1	4
	Mildenhall ...	07.0	-20	S	4	r	46	92	44	6	5	2	-	10	10	3000	1	*
	Cranwell ...	03.9	-26	SE'S	4	r	43	87	43	6	6	2	-	9+	10	500	1	*
3	Birmingham ...	01.3	-28	SSE	3	r	45	97	45	6	6	-	-	10	10	800	1	*
	Upper Heyford	03.9	-26	S'W	3	r	46	92	44	6	6	2	-	9	10	400	1	*
4	Ross-on-Wye	99.9	-26	S	5	r	48	92	46	6	6	2	-	9+	10	1500	1	*
5	Hartland Point	08.4	-6	SW	6	c	50	85	45	7	5	6	-	4-6	7-8	800	1	5
	Bristol ...	02.9	-30	SSW	5	r	48	92	46	6	-	2	-	10	10	800	1	*
	Portland Bill ...	05.8	-30	S	5	r	47	92	45	7	5	-	-	10	10	2500	1	6
	Plymouth ...	02.5	-16	S'W'W	7	c/r	49	97	49	6	6	-	-	10	10	500	1	5
	The Lizard ...	01.6	+6	SSW	7	c	50	92	48	7	8	2	-	9	10	1500	1	5
	Scilly (St. Mary's)	99.2	-2	SW'S	5	c/pr	50	92	48	7	8	6	-	4-6	9+	800	1	5
	Guernsey ...																	
6	Pembroke ...	06.4	-6	SSW	7	cq	48	97	47	6	8	2	-	7-8	10	2500	1	5
7	Holyhead (Valley)	03.8	-30	S	6	c/r	48	92	47	6	5	-	-	9+	9+	600	1	5
	Chester (Sealand)	07.3	-42	SSE	4	c	46	92	44	6	5	7	-	4-6	10	1000	1	*
8	Manchester ...	00.0	-44	SE'S	6	c/p	45	92	45	6	6	2	-	7-8	10	800	1	*
10	Spurn Head ...	04.0	-22	S	5	r	48	92	41	7	5	2	-	4-6	10	2500	1	4
	Catterick ...	01.0	-26	SSE	3	r	39	92	36	4	-	2	-	10	10	800	1	*
	Tynemouth ...	01.7	-6	SSE	3	z	41	85	37	6	8	-	-	9+	9+	2500	1	3
11	St. Abbs Head	99.1	-12	SSW	2	bc	37	97	37	8	5	4	-	2-3	4-6	2000	1	2
	Leuchars ...	98.6	-10	SSW	1	z	35	97	35	5	-	5	8	0	4-6	-	1	*
12	Renfrew (Abbots I.)	07.0	-26	E'S	2	r	40	92	37	8	5	2	-	7-8	10	2500	1	*
	Eskdalemuir ...	07.7	-22	SE'E	3	r	38	92	37	6	5	-	-	10	10	1100	1	*
	Point of Ayre ...	03.5	-50	S'E	7	r	42	97	42	5	6	2	-	7-8	10	800	1	5
13A	Tiree	02.5	-32	SE'E	4	c	42	92	42	8	6	-	-	7-8	7-8	1800	0	4
13B	Stornoway ...	06.3	-12	ESE	3	c	43	92	41	9	8	7	9	7-8	9+	3000	1	1
15	Dalwhinnie ...	08.1	-12	S	3	c	38	75	31	8	8	-	9	7-8	9+	2500	1	*
	Aberdeen ...	09.1	-8	-	0	m	38	97	33	4	-	-	1	0	Tr	-	1	2
	Wick ...	08.8	0	SE'E	2	c	42	92	40	8	5	-	5	4-6	9	3800	1	*
16	Sumburgh ..	09.2	+10	WSW	1	c	42	92	40	8	5	-	-	9	9+	4000	1	2
17	Blacksod Point	85.1	-10	S	3	c/pr	47	85	43	7	9	-	-	9+	9+	2500	2	3
18	Malin Head ...	87.5	-62	ESE	4	rr	44	85	40	8	9	2	-	4-6	10	800	1	3
	Aldergrove ...	90.1	-46	SE'S	4	c/d	45	92	43	8	6	2	-	7-8	10	1000	1	*
19	Birr Castle ...	89.1	-14	SSW	3	c	49	75	41	7	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	84.4	-46	S'W	5	r	49	85	45	6	6	2	-	9	10	1500	1	4
	Roches Point	90.4	-18	S'W	5	bc	49	85	45	8	3	-	3	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h-18h °F. (33)	Min. Night 18h-7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h-18h mm. (36)	Night 18h-7h mm. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	51	42	36	2	1	8.5
	Croydon ...	52	42	37	7	1	6.3
	S. Farnborough	52	42	37	7	3	6.6
	Boscombe Down	51	38	34	7	5	*
	Thorney Island	52	44	41	0.1	3	*
	Lympne ..	52	39	32	2	-	6.0
	Manston ...	52	40	36	0.5	-	6.2
2	Shoeburyness ...	55	42	36	5	Tr	7.0
	Felixstowe ...	54	42	38	Tr	Tr	7.3
	Gorleston ...	54	39	33	Tr	0.3	9.0
	Mildenhall ...	57	40	32	Tr	0.2	9.4
	Cranwell ...	54	36	32	0.6	0.3	9.2
3	Birmingham ...	51	39	35	0.5	3	9.6
	Upper Heyford	51	38	35	0.6	-	*
4	Ross-on-Wye	51	42	36	0.6	5	7.7
5	Hartland Point	48	43	41	1	6	9.4
	Bristol ...	52	41	35	1	3	9.5
	Portland Bill ...	47	48	*	0.4	8	*
	Plymouth ...	51	46	44	Tr	14	8.2
	The Lizard ...	51	46	*	1	7	9.5
	Scilly (St. Mary's)	52	45	*	1	12	8.0
	Guernsey ...						
6	Pembroke ...	48	37	*	Tr	10	7.6
7	Holyhead (Valley)	51	44	41	-	3	*
	Chester (Sealand)	54	40	36	Tr	0.4	11.4
8	Manchester ...	52	39	34	Tr	1	*
10	Spurn Head ...	53	38	*	Tr	0.1	10.4
	Catterick ...	50	33	33	0.1	0.2	10.2
	Tynemouth ...	52	41	38	-	1	*
11	St. Abbs Head	51	34	*	-	-	*
	Leuchars ...	49	48	28	0.2	-	1.0
12	Renfrew (Abbots I.)	49	39	32	Tr	0.1	6.4
	Eskdalemuir ...	46	34	30	1	1	6.4
	Point of Ayre ...	51	38	*	5	4	6.5
13A	Tiree	49	36	*	0.3	-	1.7
13B	Stornoway ...		38	*	-	-	1.6
15	Dalwhinnie ...	47	28	21	2	Tr	0.5
	Aberdeen ...	46	32	27	8	0.1	0.0
	Wick ...	47	35	31	0.1	-	*
16	Sumburgh ..	44	38	32	1	2	0.0
17	Blacksod Point	58	41	*	3	4	*
18	Malin Head ...	48	40		0	3	0.0
	Aldergrove ...	45	36	33	0.6	3	4.7
19	Birr Castle ...	51	38	37	1	2	
20	Valentia Obsy.	51	46	43	0.4	11	
	Roches Point	50	47	*	0.5	7	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 8th April: III $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 9th April: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
100	52	62747	31468	5-	02856	29326	37	00873	00013	50	05673	00003
115				53	10944	04326	54	02944	04125	57	02944	12226
203				70	01943	28213	5-	02945	08215			
208	8-	64747	22188	87	02856	26367	8-	32748	24188	53	02855	00086
210	52	62746	24368	57	62755	22368	80	25854	20284	54	02964	08325
220	80	01954	32404	50	01853	30303				82	02855	12428
230	67	22645	20467	8-	01945	20325	5-	02957	20119	77	02954	08116
245	87	81744	22488	57	02953	23486	00	00890	22100	50	01851	00004
260	30	01864	53685	26	01863	20414	00	00890	20100	54	03573	05113
278	2-	02857	22417	8-	02857	18387	5-	02755	16215	5-	64548	43568
279	26	01955	53615	62	64645	53668				02	62768	09368
285										6-	63628	12568
288	2-	02954	23654	83	02855	22418	8-	81767	53487	52	61663	13228
578	8-	25847	23387	84	10943	61514	80	02843	14215	57	02837	14267
301	20	00861	22501	5-	02965	19385	00	00790	21460	5-	22548	14568
321	36	01854	55425	80	01854	53685	50	00751	52501	52	64644	16468
299				20	01754	22314	00	00790	22200	51	61755	26368
292	2-	01954	56484	47	02752	53417	5-	01756	17215	62	64533	14268
310	-	01644	20414							--	64428	16548
614	30	10755	55413	20	22753	22584	00	00690	83300	62	64535	47368

Station	13h. G.M.T. 8th April: III $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 9th April: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	2-	01964	19614	23	02851	32615	27	02754	16617	5-	02638	16568
334										--	63647	24288
340	20	01964	22514	30	02954	22424	03	00890	17303	53	22846	14568
136	20	02855	22516	9-	81954	23585	00	00790	20490	52	06262	16468
330	57	25754	20487	10	01754	24514				62	64526	20568
350	3-	02845	53625	26	00852	22483	00	00790	51402	00	00790	51402
368	30	01953	22583	86	01854	23514	5-	02758	22388	67	63636	16468
379	30	22754	26384	20	00852	55312	00	00790	20500	62	64627	16768
398	80	05755	20415	80	05552	22382	00	00690	18400	52	62546	17468
382	36	25864	19484	36	10853	56414	00	00790	18480	62	62748	50468
428										5-	64648	20638
430	36	27853	53483	96	00852	55513	57	02855	18488	62	62635	51468
400	9-	81855	53585	20	01853	53484	62	64636	50768	32	02735	51768

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.

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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	bccprt	cprh bc	bbccnr	Kew 24 hours ended 7h. Max. Time 0.1 7-9h. 8th Min. Time <0.1 Rest of period
Croydon ..	cph pr	tl H pr	pr b r	
Greenwich ..	cp	ctphr b	bcrr	
Camden Square	c	b	*	
Kensington ..	bcp	bcp	*	
Hampstead ..	bcp	bc	or	

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 % Today
Kew	51	42	36	2	1	6.5	*	*
Croydon ..	52	42	37	7	1	6.3	*	*
Greenwich ...	53	41	34	3	1	6.6	60	85
Westminster ..	53	44	38	4			72	93
Regents Park ..	54	43	38	2	3		75	85
Camden Square	56	43	37	0.5	3	*	*	88
Kensington ..	53	42	36	2	3		77	91
Hampstead ..	52	41	36	0.2	3		*	91

SECRET

Page 1

BRITISH SECTION

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

Friday 10th April 1942

No. 29359

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)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	03·0	-16	SW'S	5	rr	49	92	46	6	6	2	-	9+	10	1500
	Croydon ...	03·9	-18	SSW	5	r0	48	92	46	6	6	2	-	9+	10	800
	S. Farnborough	03·0	-22	SW'S	5	rr	48	92	46	6	5	2	-	9+	10	500
	Boscombe Down	01·4	-24	SW	7	ir	49	92	47	6	6	2	-	9	10	600
	Thorney Island	04·6	-20	SSW	5	rr	48	97	47	6	5	-	-	4-6	10	450
	Lympne ...	08·2	-26	SSW	4	r0	46	92	44	6	6	-	-	10	10	700
	Manston ...	06·7	-22	SSW	6	r0	49	85	44	6	5	2	-	4-6	10	400
2	Shoeburyness ...	06·1	-20	S'W	7	r0	49	85	45	7	5	2	-	9+	10	1400
	Felixstowe ...	04·9	-26	SSW	6	rr	47	92	45	7	6	2	-	10	10	1200
	Gorleston ...	04·4	-28	SW	6	0/r	47	92	45	6	6	-	-	10	10	800
	Mildenhall ...	02·1	-20	S'W	3	ir	51	85	47	6	5	2	-	7-8	10	1300
	Cranwell ...	98·0	-30	S	6	c	53	85	48	7	5	7	-	9	9+	1000
3	Birmingham ...	97·7	-16	SSW	4	c/p	49	85	45	7	9	7	-	7-8	7-8	1500
	Upper Heyford	99·3	-24	SSW	6	ir	50	85	44	8	5	2	-	9	10	600
4	Ross-on-Wye	96·9	-20	SW'S	5	ir	52	85	47	6	9	-	-	9+	9+	2000
5	Hartland Point	95·3	-14	WSW	7	bc	51	75	42	7	3	4	-	2-3	4-6	1000
	Bristol ..	99·5	-18	S'W	5	c/pr	53	85	47	7	8	-	-	9+	9+	1500
	Portland Bill ...	02·9	-16	S	6	rr	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	00·4	-10	SW'W	7	c	51	85	47	6	8	-	-	9+	9+	2000
	The Lizard ...	98·9	-18	SW	7	cq	52	85	46	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	95·6	-26	SW	8	c/p	53	75	45	7	8	-	-	7-8	7-8	1200
	Guernsey ...															
6	Pembroke ...	92·2	-30	S'W	8	pr	49	85	44	6	8	1	-	9+	9+	2500
7	Holyhead (Valley)	90·2	-26	S'W	6	c	52	92	50	7	5	7	-	4-6	7-8	1500
	Chester (Sealand)	93·5	-22	S'W	4	c/pr	56	65	43	8	9	-	-	9	9	1500
8	Manchester ...	94·0	-26	S'W	3	pr	53	85	48	7	9	6	3	7-8	9	2000
10	Spurn Head ...	98·0	-26	SSW	6	cq	51	85	47	7	8	6	-	7-8	9	2500
	Catterick ...	94·5	-34	SW	4	c/pr	51	85	46	4	9	-	-	4-6	9+	700
	Tynemouth ...	94·0	-20	SSW	5	c	54	75	47	6	8	3	2	4-6	7-8	1800
11	St. Abbs Head	92·5	-34	ESE	4	c/r	47	97	46	6	5	2	-	7-8	10	1800
	Leuchars ...	92·8	-34	SSE	3	rr	44	92	42	5	8	6	-	9	9+	1800
12	Renfrew (Abbots I.)	90·2	-26	NE'E	2	c/r	45	92	43	4	5	2	-	9+	9+	1800
	Eskdalemuir ...	90·9	-24	SSW	5	c/r	41	92	39	6	5	-	-	10	10	900
	Point of Ayre...	90·2	-20	SW'S	5	c	51	85	47	7	6	2	-	7-8	9	1000
13A	Tiree	88·6	-16	SE'S	4	id	44	92	42	7	5	-	-	9+	9+	1800
13B	Stornoway ...	91·8	-16	ENE	5	c	46	65	32	8	5	7	7	4-6	10	3000
15	Dalwhinnie ...	91·8	-40	SE	4	c	38	85	35	7	5	-	-	7-8	7-8	1500
	Aberdeen ...	94·3	-30	SE'E	3	rr	42	97	41	6	6	2	-	7-8	10	1200
	Wick ...	95·4	-22	ESE	4	c	43	92	40	7	5	7	-	2-3	10	700
16	Sumburgh ...	98·8	-6	SE	3	bc	45	75	39	8	2	-	-	2-3	4-6	3100
17	Blacksod Point	84·8	+2	W	1	c	50	85	46	9	8	-	-	9+	9+	1500
18	Malin Head ...	85·6	-14	-	0	c	52	75	44	8	8	6	-	7-8	9	2500
	Aldergrove ...	86·9	-22	SSE	4	pr	48	85	44	6	8	7	8	7-8	9+	2000
19	Birr Castle ...	83·2	-42	SSW	3	pr	52	75	44	7	9	2	-	7-8	10	800
20	Valentia Obsy.	88·2	+74	W'N	6	c/pr	50	85	46	8	8	-	-	9	9	2500
	Roches Point	85·6	-14	WSW	7	c/r	50	85	46	8	6	2	-	4-6	9	800

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)	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)	99·3	-20	SW	6	ir	51	75	43	6	5	-	-	9+	9+	800	1	*
	Croydon ...	00·0	-18	SSW	5	pr	50	85	45	6	9	-	-	10	10	800	1	*
	S. Farnborough	99·5	-18	SW	7	pr	50	85	45	7	8	-	-	9+	9+	1600	1	*
	Boscombe Down	98·5	-14	SW'W	7	c	49	92	47	6	8	-	-	9+	9+	800	1	*
	Thorney Island	01·9	-16	SW	6	ir	50	85	46	6	5	-	-	10	10	800	1	*
	Lympne ...	04·6	-20	SW	6	bc	48	85	45	7	2	-	-	4-6	4-6	2200	1	*
	Manston ...	02·9	-16	SSW	6	b	49	85	43	7	5	-	-	1	1	1500	1	*
2	Shoeburyness ...	02·3	-20	SSW	6	ir	51	75	45	8	8	-	-	9+	9+	1400	1	*
	Felixstowe ...	01·1	-28	SSW	5	bc/pr	48	85	44	7	5	-	-	4-6	4-6	2500	1	5
	Gorleston ...	99·9	-30	SW	6	z	48	92	45	6	1	-	-	4-6	4-6	1600	1	6
	Mildenhall ...	96·9	-30	SSW	5	c	52	75	46	6	5	-	-	9+	9+	2500	1	*
	Cranwell ...	93·1	-26	SSW	6	pr	49	92	47	6	9	-	-	7-8	10	800	1	*
3	Birmingham ...	92·9	-14	SW	4	c/r	48	85	44	8	9	-	-	9	9	1500	1	*
	Upper Heyford	95·2	-16	SSW	6	bc/pr	49	85	45	6	9	-	-	4-6	4-6	1500	1	*
4	Ross-on-Wye	93·4	-16	SW'W	6	c/pr	51	75	43	7	9	-	-	7-8	7-8	2000	1	*
5	Hartland Point	94·6	+10	WSW	7	ir	49	75	42	7	5	2	-	7-8	10	1500	1	5
	Bristol ..	97·1	-2	SW'S	5	c/pr	51	75	44	7	9	6	-	7-8	9+	900	1	*
	Portland Bill ...	00·2	-4	SSW	6	o	47	92	45	7	5	-	-	10	10	2500	1	6
	Plymouth ...	00·5	+14	W	8	z	51	75	43	6	5	-	-	9+	9+	1200	1	6
	The Lizard ...	01·9	+16	W'S	9	cq	50	85	43	7	8	6	-	7-8	7-8	2000	1	6
	Scilly (St. Mary's)	01·6	+50	W'S	8	c	54	75	43	7	8	6	-	4-6	7-8	1200	1	5
	Guernsey ...																	
6	Pembroke ...	92·3	+2	WSW	8	c/pr	48	85	44	6	4	6	-	4-6	7-8	2500	1	5
7	Holyhead (Valley)	84·1	-32	SSW	7	ir	48	92	46	6	5	-	-	10	10	500	1	5
	Chester (Sealand)	89·1	-18	SSW	4	rr	51	75	43	6	-	2	-	10	10	2000	1	*
8	Manchester ...	87·6	-26	S	5	pr	49	85	45	7	3	6	3	7-8	9	2000	1	*
10	Spurn Head ...	94·4	+4	SSW	6	cq	47	85	44	7	8	9	-	7-8	9	2500	1	5
	Catterick ...	90·1	-20	SW	4	pr	50	65	40	6	3	-	-	10	10	1000	1	*
	Tynemouth ...	91·0	-8	SSW	3	bc	50	75	41	6	2	3	-	4-6	4-6	2200	1	3
11	St. Abbs Head	89·9	-4	ESE	2	bc	46	92	44	7	2	7	-	2-3	4-6	2000	1	2
	Leuchars ...	87·7	-18	S	2	pr	50	75	43	7	9	6	3	7-8	9	1800	1	*
12	Renfrew (Abbots I.)	88·6	-14	NNE	2	r0	47	92	45	5	5	-	-	10	10	1400	1	*
	Eskdalemuir ...	87·7	-12	SW'S	3	ir	45	92	43	7	5	-	-	10	10	1100	1	*
	Point of Ayre...	85·9	-22	S'W	4	r0	47	97	46	6	6	3	-	9	10	1000	1	3
13A	Tiree	88·4	+6	SE	3	c	46	92	44	8	5	-	-	9	9	2500	0	4
13B	Stornoway ...	89·7	-4	NE	4	c/pr	42	97	41	8	8	7	-	7-8	10	2000	1	3
15	Dalwhinnie ...	89·5	-4	S	2	c	42	85	37	7	8	4	-	4-6	7-8	2500	1	-
	Aberdeen ...	89·9	-20	SSE	3	o	42	97	42	4	5	-	-	10	10	800	1	2
	Wick ...	90·8	-26	ESE	4	ir	42	97	41	6	5	-	-	4-6	10	200	1	*
16	Sumburgh ...	96·2	-14	ESE	5	c	42	85	39	8	5	7	-	9	10	1500	1	3
17	Blacksod Point	91·3	+52	NW	7	c/r	47	85	43	7	9	-	-	9+	9+	1500	2	6
18	Malin Head ...	86·8	+16	N'E	1	c	47	85	43	8	5	7	-	7-8	9	2500	1	2
	Aldergrove ...	85·7	+6	NNE	2	c/r	47	92	46	7	8	2	8	2-3	7-8	2500	2	*
19	Birr Castle ...	90·5	+80	NW	3	c	50	75	42	7	3	7	-	4-6	9	800	1	*
20	Valentia Obsy.	99·9	+72	ENE	6	c/pS	48	85	44	8	3	3	-	2-3	7-8	2500	1	5
	Roches Point	95·2	+70	WNW	7	c/pr	51	75	43	8	3	4	3	4-6	7-8	1500	1	6

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 9th (39)	Weather 13h.—18h. 9th (40)	Weather 18h. 9th to 1h. 10th (41)	Weather 1h.—7h. 10th (42)
1	London (Kew)	r0d0r	rr0m0ir0	cir0c	cir0c
	Croydon ...	cm0r0	r0r0m0pr0	cr0d0e	cid0c
	S. Farnborough	rd0Rrm0	crrcpr	crr0	epr0 ir0b
	Boscombe Down	crripr	cpr	cir0pr0c	c.bc0c
	Thorney Island	crrm0	cm0rrir	crbcm0	epr0bc
	Lympne ...	cm0rr0	cm0rrbc	bcpr0c	bccpr0
	Manston ...	cr0r0m0	cr0r0m0b	pr0bcz0bc	bccpr0
2	Shoeburyness ...	cr0r0rrc	cr0r0ir0c	*	cir0
	Felixstowe ...	cir0rrm0	crrm0bcpr0	cid0cbc	cm0ir0c
	Gorleston ...	r0r0	cir0bcq	bcq	bcc
	Mildenhall ...	cm0r0r0ir0	cm0ir0cm0	cbccbc	bcc
	Cranwell ...	cm0r0r0c	ccpr0m0	cpR	bccpr0
3	Birmingham ...	r0c0Rc	cPRir	cir0	cbc
	Upper Heyford	crrd0d0ir0	cir0ccpr0	cpr0q	r0q bcc
4	Ross-on-Wye	cqir	tqirqp	cpr0c	cqrc
5	Hartland Point	cirbc	bcirc	cbcq	bcq
	Bristol ..	cr0r0pr0	cprir	bcb.c	c.b
	Portland Bill ...	crr	cPR0	c	bcc
	Plymouth ...	crrm0	cr0pr0	ccpr0bc	cb
	The Lizard ...	prcmq	cbccq	bc	prbc
	Scilly (St. Mary's)	cpqbcc	cpc	cbcpbc	bc
6	Pembroke ...	cqprm0	cprqm0	bcq	bcq
7	Holyhead (Valley)	cm0ir0c	cirpr0m0	pr0qbc	cbcbbc
	Chester (Sealand)	ir0prq	cpr0rr	cr0r0ir0z0	r0r0b
8	Manchester ...	prPR	tirprq	pRrr	crr0
10	Spurn Head ...	cqr	cqtr	bcq	cbc
	Catterick ...	cd0pr0cm	ccprm0	ir0cm0	cm0bcm0bc
	Tynemouth ...	pir0c	cptlbc	bccptlc	cbc
11	St. Abbs Head	cmrrrr0r	cm0rbc	od0bcm0	bcr0bc
	Leuchars ...	crrm0r0r0m0m0	r0bcpr0	bcpr0c	bcm0pr0bc
12	Renfrew (Abbots I.)	rrRrrm	ir0pr0r0	rrrr0	ir0pr0c
	Eskdalemuir ...	pr0cr	cir0	cir0	cir0
	Point of Ayre...	rrr0r0c	prr0r0	r0r0c	cprbc
13A	Tiree	cidc	c	cbc	bc
13B	Stornoway ...	c	cpr	c	cpr
15	Dalwhinnie ...	rs	c	* *	cid0
	Aberdeen ...	bmcrr	circ	ir0mf	ofbcw
	Wick ...	rrr0r0m0	cmd0d0fo	d0d0fcd0	
16	Sumburgh ...	cvbc	bcc	cr0r0	cr0r0ir0
17	Blacksod Point	c	r	bc	bc
18	Malin Head ...	pr	r	r	pr
	Aldergrove ...	cid0cpr	pcRrr	bcber0r0	r0rbbc
19	Birr Castle ...	pr	pr	* *	bc
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	r	pr	pr	r

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

Districts	Forecasts
1 S.E. England 2 E. England ..▼ 3 E. Midlands ...	Moderate or fresh northwest wind decreasing and backing south; fair at first; cloud increasing tomorrow with perhaps slight rain; becoming milder.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate northwest wind backing south later and freshening; fair at first; rain tomorrow; coast and hill fog later; becoming milder.
10 N.E. England ▼ 11 S.E. Scotland	Moderate northwest wind backing south and freshening later; fair at first; rain tomorrow; becoming milder.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Moderate northwest wind backing south and freshening, strong on coasts; fair at first; rain tomorrow; becoming milder
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 19 S. E. Ireland 20 S. W. Ireland	Moderate west wind backing south and freshening, strong on coasts later; fair at first; rain later; mild.

GENERAL INFERENCE

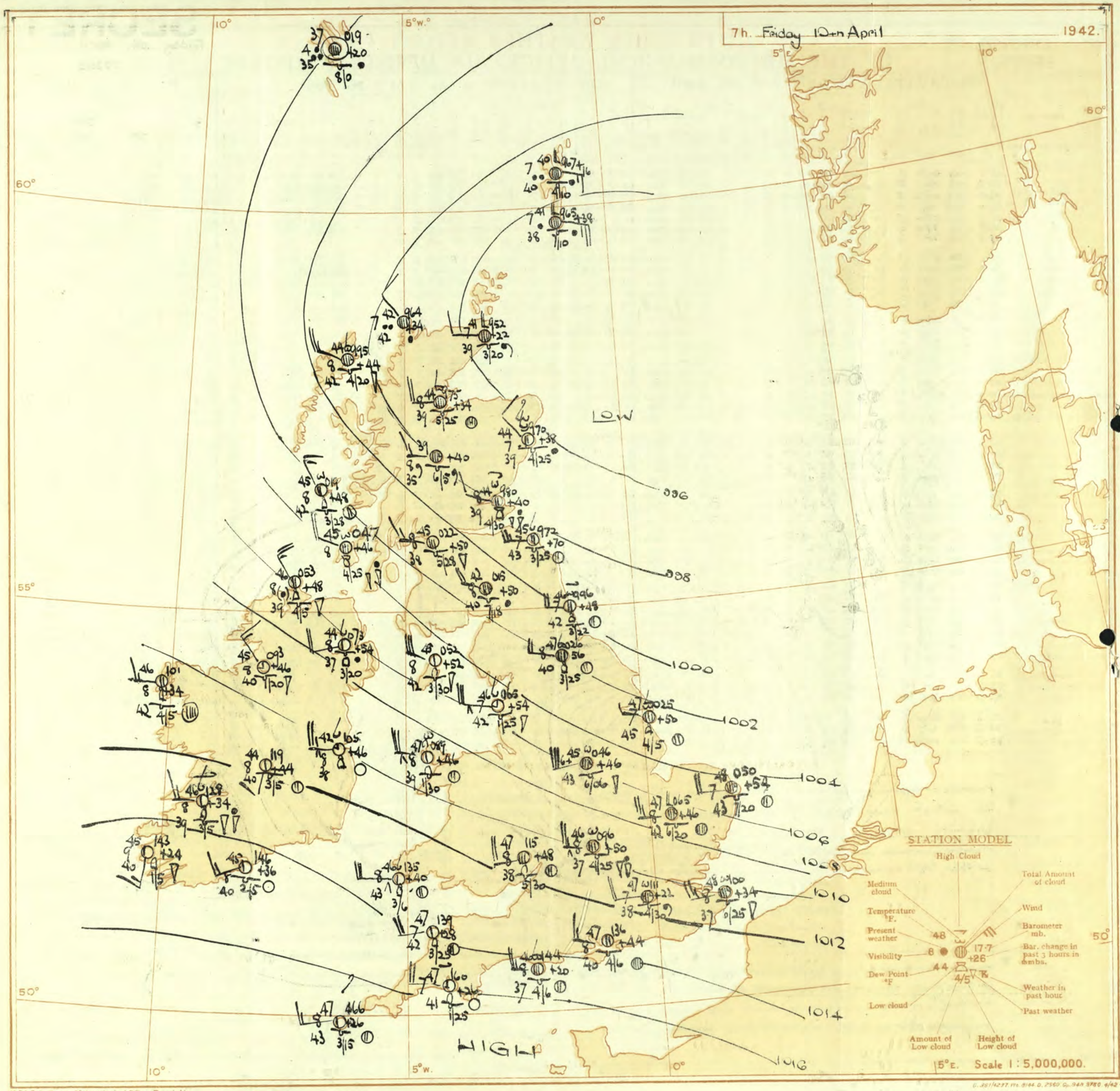
A ridge of high pressure over Ireland is moving east and increasing in intensity and a deep depression in mid-Atlantic is extending its influence east. Weather will be fair generally at first apart from local showers but rain will reach western districts during the night and extend northeast

FURTHER OUTLOOK

Unsettled in the West and North; probably a fair interval in the Southeast; becoming warmer. ▼ Gale warning in operation in districts 2 and 10 including Dogger Bank. Time of issue 14.15 9.4.42.

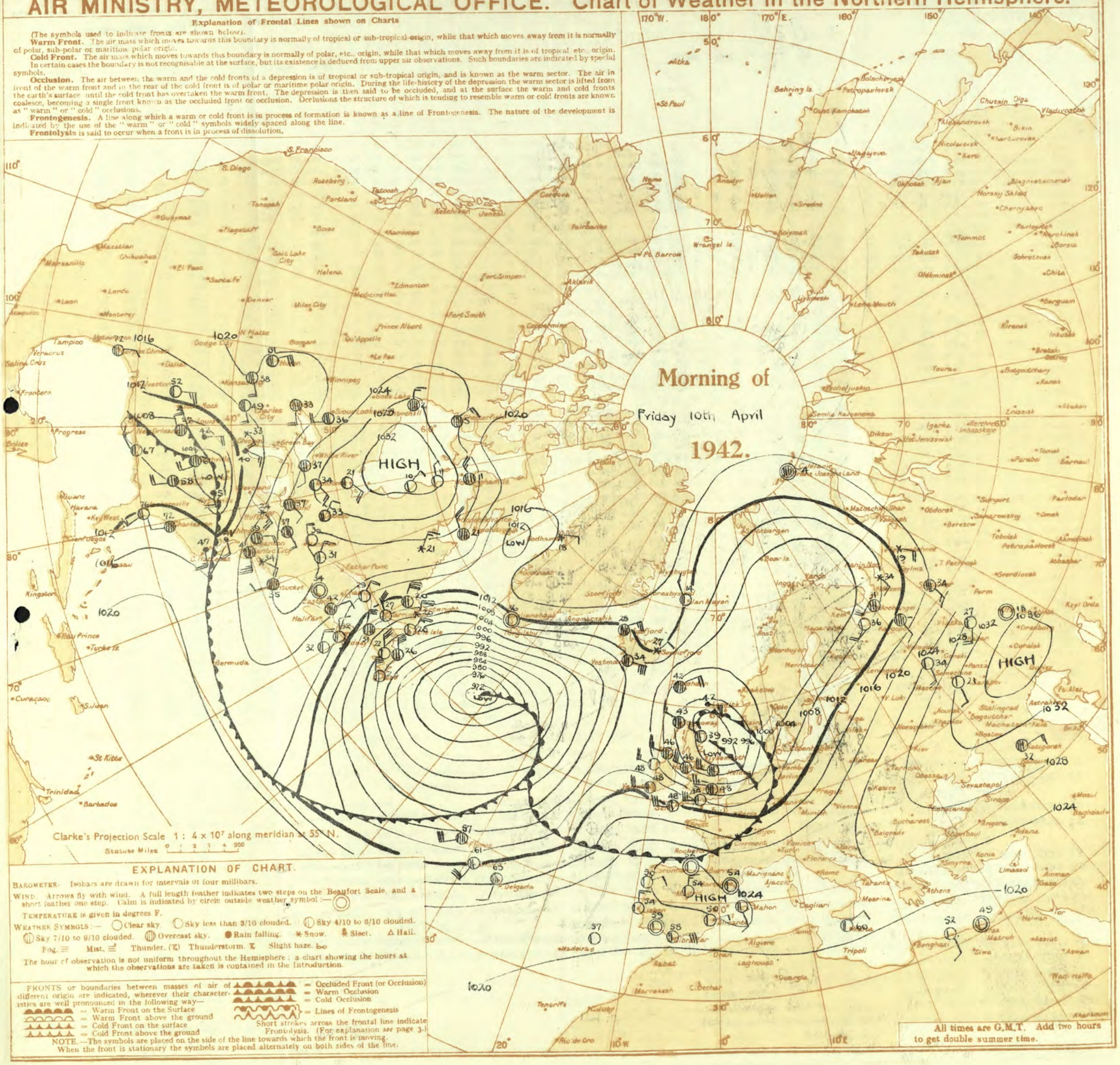
Forecasts issued at 10.30 G.M.T.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Friday 10th April 1942

No 29359

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	03·3	+30	WSW	5	c	48	75	41	7	6	7	-	9	10	1000
	S. Farnborough	226	04·2	+34	W	6	pr	47	85	42	7	5	-	-	9+	9+	2400
	Boscombe Down	417	05·2	+34	W'N	6	c	47	85	43	7	5	-	-	9+	9+	3000
	Thorney Island	10	05·9	+30	W'S	5	zo	49	75	43	6	5	-	-	7-8	7-8	3600
	Lympne	283	05·2	+14	WSW	6	c	47	85	43	7	2	6	-	4-6	7-8	2500
	Manston	154	02·7	+14	SW'W	7	bc	48	75	40	7	5	-	-	4-6	4-6	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	00·0	+12	SW'W	6	zo	48	85	44	6	5	-	-	2-3	2-3	4000
	Gorleston	5	97·3	-2	WSW	5	zo	49	85	45	6	5	-	-	2-3	2-3	2500
	Mildenhall	15	97·7	+18	SW'W	6	bc	49	85	45	7	5	-	-	4-6	4-6	4000
	Cranwell	203	04·9	+30	WSW	7	bc	47	85	43	7	2	-	-	2-3	2-3	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	00·2	+38	W	6	iro	46	85	40	7	5	-	-	10	10	2400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·0	+38	WNW	6	bcq	47	75	40	7	5	-	-	4-6	4-6	2500
	Bristol	209	05·4	+46	W	8	cq	47	85	41	7	5	-	-	9+	9+	2900
	Portland Bill	32	07·5	+38	W	6	bc	44	92	42	8	5	-	-	4-6	4-6	4000
	Plymouth	82	10·7	+36	W	6	bc	48	75	41	7	2	-	-	2-3	2-3	2500
	The Lizard	240	11·7	+34	W	7	bc	47	85	43	7	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	11·2	+30	W'S	6	bc	48	85	43	7	5	2	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	05·1	+36	W	8	bcq	47	85	42	7	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	99·3	+58	WNW	6	c	46	85	41	7	5	3	-	7-8	9	3000
	Chester (Sealand)	16	97·7	+54	W	4	c/r	49	75	41	6	5	-	-	10	10	5500
8	Manchester	235	96·0	+56	W'S	6	zo	46	97	46	5	6	2	-	4-6	10	1000
10	Spurn Head	29	91·7	-8	W	7	cq	49	92	48	7	8	6	-	7-8	7-8	2500
	Catterick	175	91·9	+26	SSW	3	zo	47	85	44	6	5	-	-	7-8	7-8	2600
	Tynemouth	108	90·9	+14	NW	3	c	43	97	42	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head	280	90·3	+12	SE	1	bc	45	92	43	6	5	-	-	4-6	4-6	2500
	Leuchars	36	91·1	+20	WSW	2	zo	44	92	43	5	5	-	-	9	9	2400
12	Renfrew (Abbots I.)	19	93·6	+38	WNW	2	iro	44	97	43	5	5	-	-	10	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	94·5	+52	NW'W	6	o	46	92	44	8	8	-	-	9	9	3500
13A	Tiree	22	99·0	+40	NNW	3	bc	45	85	40	8	8	-	-	2-3	2-3	2800
13B	Stornoway	80	93·0	+28	WNW	3	c	43	97	42	7	5	7	-	4-6	9	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen†	79	91·3	+10	WNW	1	m	39	97	39	4	5	-	-	2-3	2-3	3000
	Wick	114	91·1	+6	SE	2	df	42	97	42	2	-	2	-	10	10	100
16	Sumburgh	19	93·7	-8	E	5	ro ro	42	97	41	6	6	2	-	10	10	800
17	Blacksod Point	18	03·2	+38	W'N	5	bc	46	75	39	8	8	-	-	2-3	2-3	1500
18	Malin Head	84	96·1	+50	WNW	5	c	46	85	42	7	8	-	-	9	9	1500
	Aldergrove	268	96·9	+54	WSW	4	ro ro	45	85	42	7	5	-	-	7-8	10	1300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·4	+32	W'N	5	b/pr	48	75	41	8	2	-	-	1	1	2500
	Roches Point	22	08·2	+42	W	5	b	45	75	38	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 10th 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)	11·0	+40	WSW	4	c	48	65	38	7	5	-	-	9	9	2500	1	*
Croydon	11·1	+22	WSW	4	c	47	75	38	7	5	3	-	4-6	9	3000	1	*
S. Farnborough	12·2	+46	W'N	5	b	46	75	39	8	7	-	-	1	1	3000	1	*
Boscombe Down	13·1	+34	WNW	5	bc	44	85	40	8	5	-	-	4-6	4-6	2500	1	*
Thorney Island	13·6	+44	W'N	3	bc	47	75	40	8	5	-	-	4-6	4-6	4000	1	2
Lympne	12·0	+38	WSW	4	bc	46	75	39	8	4	-	-	4-6	4-6	4000	1	§5
Manston	10·0	+34	W'S	5	c	48	65	37	8	5	3	-	9	9	2500	1	*
Shoeburyness	09·6	+44	W'S	4	c/pr	49	75	40	8	5	4	-	4-6	7-8	2800	1	*
Felixstowe	07·7	+42	WSW	5	c/r	48	75	39	8	5	-	-	9+	9+	2500	1	5
Gorleston	05·0	+54	W	4	c	48	85	43	7	5	-	-	9+	9+	2000	1	4
Mildenhall	06·5	+46	W'S	5	c	47	85	42	8	5	2	-	9	9+	2000	1	*
Cranwell	04·6	+46	W'S	6	zo	45	92	43	6	5	3	-	9	9+	600	1	*
Birmingham	07·9	+44	WNW	5	bc	45	75	38	8	5	-	-	4-6	4-6	2500	1	*
Upper Heyford	09·6	+50	W	5	c/pr	46	75	37	8	5	3	-	4-6	7-8	2500	1	*
Ross-on-Wye	11·5	+48	WSW	4	c	47	75	38	8	4	-	-	7-8	7-8	3000	1	*
Hartland Point	13·9	+28	WNW	4	bc	47	85	42	7	1	-	-	2-3	2-3	2500	1	5
Bristol	13·0	+38	W	6	b	45	75	39	8	5	4	-	Tr	1	3000	1	*
Portland Bill	14·4	+40	W	5	c	46	85	42	8	5	7	-	4-6	7-8	4000	1	5
Plymouth	16·0	+26	W'N	4	b	47	85	41	7	4	-	1	Tr	1	2500	1	4
The Lizard	17·0	+30	W	5	bc	47	85	44	8	4	-	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	06·6	+26	W'S	3	bc	47	75	43	8	5	-	4	2-3	2-3	1500	1	4
Guernsey																	
Pembroke	13·5	+40	W	6	bcq	46	85	43	8	2	4	-	2-3	2-3	4000	1	4
Holyhead (Valley)	08·9	+46	W'N	6	bc	47	75	39	8	4	6	-	Tr	2-3	3000	1	5
Chester (Sealand)	08·1	+60	W	5	bc	48	65	38	8	2	6	-	1	2-3	2000	1	*
Manchester	06·9	+52	W	5	c	45	85	42	7	2	6	-	9	9+	1500	1	*
Spurn Head	02·5	+50	WNW	1	c	47	92	45	7	2	7	-	4-6	7-8	2500	0	5
Catterick	02·6	+56	WNW	4	c	47	75	40	8	8	7	-	2-3	7-8	5000	1	*
Tynemouth	99·6	+48	W	4	bc	46	85	42	7	8	3	1	2-3	4-6	2200	1	3
St. Abbs Head	97·2	+70	W	5	bc	45	92	43	7	5	4	-	2-3	4-6	2500	1	3
Leuchars	98·0	+40	WNW	2	bc/pr	44	85	39	8	9	3	3	4-6	4-6	5000	1	*
Renfrew (Abbots I.)	02·2	+50	W	3	c	45	75	38	8	5	-	-	7-8	7-8	2800	1	*
Eskdalemuir	01·5	+50	WNW	4	c	42	85	40	8	5	-	-	9+	9+	1800	1	*
Point of Ayre	05·2	+52	WNW	6	bc	45	85	42	8	4	-	-	2-3	2-3	3000	1	5
Tiree	01·9	+48	NW'N	3	bc	45	85	42	8	8	3	-	2-3	4-6	2800	0	4
Stornoway	99·5	+44	WNW	5	c	44	92	42	8	5	7	-	4-6	9+	2000	1	2
Dalwhinnie	00·6	+40	W	3	ido	39	85	35	8	5	-	-	9	9	2500	1	*
Aberdeen†	97·0	+38	NW'W	2	bc	44	75	39	7	5	9	9	4-6	4-6	2500	1	2
Wick	95·2	+22	W	2	ido	41	92	39	7	5	2	-	2-3	10	2000	1	*
Sumburgh	96·5	+38	E	5	iro	41	85	38	7	5	2	-	9+	10	1000	1	4
Blacksod Point	10·1	+34	W	3	bc	46	85	42	8	8	-	-	4-6	4-6	2500	1	2
Malin Head	05·3	+48	NW'W	5	bcjp	46	75	39	8	8	6	-	4-6	4-6	2500	1	4
Aldergrove	07·3	+54	WSW	4	bc	44	75	37	8	7	4	-	2-3	2-3	2000	1	*
Birr Castle	11·9	+44	SSW	2	bc	44	85	40	8	5	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	14·3	+24	S'W	3	bc	45	75	38	9	1	3	1	Tr	2-3	2500	1	3
Roches Point	14·6	+36	W	3	bc	45	75	38	8	5	4	-	1	2-3	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
London (Kew)	51	47	45	4	0·5	0·4
Croydon	50	46	44	10	1	0·0
S. Farnborough	51	45	43	11	0·3	0·6
Boscombe Down	52	43	40	7	0·4	0·2
Thorney Island	51	47	41	7	0·2	*
Lympne	49	45	44	8	1	0·8
Manston	50	46	45	3	0·3	1·3
Shoeburyness	51	47	44	1	0·5	0·2
Felixstowe	50	47	45	3	0·1	1·1
Gorleston	49	47	42	3	-	0·3
Mildenhall	53	47	43	1	0·3	1·9
Cranwell	56	45	43	4	1	2·5
Birmingham	53	45	41	8	2	1·5
Upper Heyford	53	45	40	4	3	*
Ross-on-Wye	54	46	44	10	0·2	1·5
Hartland Point	51	45	42	0·6	0·2	2·7
Bristol	55	44	40	4	3	1·3
Portland Bill	48	41	*	5	-	*
Plymouth	52	45	40	0·2	0·1	0·0
The Lizard	53	45	*	1	1	4·8
Scilly (St. Mary's)	54	47	*	0·3	11	7·5
Guernsey						
Pembroke	50	40	*	2	-	3·3
Holyhead (Valley)	53	44	42	1	0·4	*
Chester (Sealand)	59	46	41	1	2	4·4
Manchester	56	49	42	3	5	*
Spurn Head	52	46	*	2	3	1·5
Catterick	55	45	37	3	0·5	2·6
Tynemouth	56	42	39	5	2	*
St. Abbs Head	49	41	*	4	0·2	*
Leuchars	50	40	38	4	1	3·0
Renfrew (Abbots I.)	47	42	39	15	8	0·0
Eskdalemuir	50	40	38	4	1	1·4
Point of Ayre	54	42	*	2	1	1·1
Tiree	49	43	*	3	-	2·5
Stornoway	46	40	*	0·6	Tr	0·4
Dalwhinnie	43	31	26	3	0·4	1·2
Aberdeen†	43	37	30	3	Tr	2·2
Wick	46	40	37	3	2	*
Sumburgh	46	40	39	-	1	3·6
Blacksod Point	52	43	*	1	1	*
Malin Head	53	44		5	0·2	0·0
Aldergrove	53	41	*	13	0·1	0·0
Birr Castle	55	39	36	3	-	
Valentia Obsy.	52	44	37	1	0·3	
Roches Point	53	44	*	2	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 9th April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 10th April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 8-	02856	12527	62	64548	11568	52	21837	32268	62	64548	11568
115 52	02944	41427	53	10944	04826	52	62725	28268	53	10944	04306
203			6-	61838	04288	5-	02847	24427	6-	61838	04288
206 5-	64748	10428	53	02855	12267	57	02855	24428	53	02855	12267
210 52	61855	07368				57	02746	24527			
220			51	02755	12228	80	11843	27313	51	02755	12228
230 52	62756	06188	52	02853	32167	8-	25884	24484	52	02850	32167
245 62	61648	12468	86	05543	06164				86	05548	06164
260 52	62655	63266	86	02854	18385	5-	01754	20364	86	02854	18385
278 83	02845	49467	52	05637	14388	80	10854	60584	52	05637	14388
279 20	02845	51565	87	81845	49487	87	16854	55424	87	81845	41487
285						27	25363	28687			
288 8-	61748	18428	88	81856	08187	53	02845	24446	88	81856	08187
575 8-	81637	12367	8-	25947	29487	80	00081	28381	8-	25947	29487
301 27	02846	18466	3-	81655	17485	54	00751	58682	3-	81655	17485
321 87	82735	51487	86	81645	51487				86	81645	51487
299 8-	02745	18325	50	01754	20314	44	01794	24315	50	01754	20314
292 97	82646	51457	47	25644	50397	54	01854	57444	47	25644	50397
310						--	63628	24668			
614 67	61645	18367	96	81546	51487	9-	81637	57587	96	81546	51487

IIIC_L C_M (13h. G.M.T. 9th April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 10th April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 5-	02756	16666	5-	22738	17768	54	00841	24612	5-	22738	11768
334 --	27745	28386				--	65647	24588			
340 3-	25855	51685	62	25845	51588				62	25845	51588
136 5-	62636	16768	98	02755	18666	53	62835	23728	98	02755	18666
330 62	81645	20587	62	65526	20668	2-	10841	25627	62	65526	20668
350 52	58836	49658	8-	81740	49686	84	02843	23625	8-	81746	49686
368 86	81755	22586	83	25645	56785	20	00751	55511	83	25645	56785
379 9-	82638	53688	9-	25737	53687	53	02954	24425	9-	25737	53687
390 5-	62538	17468	8-	81548	50588	5-	22644	58665	8-	81548	50588
382 5-	22838	51568	8-	25745	52585	54	01864	23444	8-	25745	52585
438 02	64638	22768				44	14753	22774			
430 62	62535	51668	8-	81647	53767	50	01854	53584	8-	81647	53766
409 52	02746	52868	52	81747	53888	50	00761	24401	52	81747	53888

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 10th 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	crodoror	rromoiro	ciroc
Croydon	cmororo	rorompro	cidoc
Greenwich	crorq	rrirorq	iroqcy
Camden Square	c	c	*
Kensington	or	cr	*
Hampstead	or	or	orbc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·1 9-18h. 9th. Min. Time <0·1 0-4h 10th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	51	47	45	4	0·5	0·4	*	*
Croydon	50	46	44	10	1	0·0	*	*
Greenwich	52	47	43	3·3	0·6	0·6	87	58
Westminster	52	47	48	2·6		*	93	70
Regents Park	52	48	43	2·2	Tr	*	86	63
Camden Square	52	48	43	2·0	0·5	*	*	59
Kensington	53	48	45	2·4	0·5	*	81	63
Hampstead	50	44	43	2·6	0·4	*	*	61

SECRET

Page 1

BRITISH SECTION

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

Saturday 11th April 1942

No. 29360.

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)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	17·8	+28	W'N	4	c	55	35	37	8	8	–	3	7-8	9	2500
	Croydon ...	18·0	+26	W	4	bc	56	45	35	8	1	–	5	4-6	4-6	2500
	S. Farnborough	18·8	+24	W	5	bc	55	45	37	9	7	6	–	4-6	4-6	3000
	Boscombe Down	19·5	+30	W'N	5	bc	54	65	43	9	1	4	9	4-6	4-6	2500
	Thorney Island	19·5	+18	W'N	4	c/pr	55	66	42	9	2	4	–	7-8	7-8	4000
	Lympne ...	19·4	+34	W	4	c	56	55	48	7	1	–	6	4-6	7-8	4000
	Manston ...	17·7	+38	W'N	5	c	54	45	35	9	1	–	6	4-6	9	2500
2	Shoeburyness ...	17·6	+28	W	3	c	56	55	39	8	5	7	2	7-8	9+	2500
	Felixstowe ...	16·0	+32	W'S	6	c	55	55	40	8	7	–	6	4-6	9+	4000
	Gorleston ...	13·5	+36	NW	6	bcq	57	55	40	7	1	–	–	4-6	4-6	3000
	Mildenhall ...	15·1	+34	W	6	c	57	55	42	8	2	–	2	4-6	7-8	3000
	Cranwell ...	14·1	+38	W'N	5	bc	54	55	40	8	2	–	1	4-6	4-6	2500
3	Birmingham ...	16·7	+34	W	4	bc	52	45	32	8	7	–	–	4-6	4-6	4000
	Upper Heyford	17·0	+28	W	5	c	54	55	46	8	7	–	9	4-6	7-8	3000
4	Ross-on-Wye	18·2	+34	W	4	bc	55	55	48	9	1	–	–	4-6	4-6	4000
5	Hartland Point	20·1	+22	W	3	bc	49	85	44	8	2	–	–	2-3	2-3	2500
	Bristol ...	19·7	+30	W'S	5	bc	55	65	42	8	7	4	–	1	2-3	3500
	Portland Bill ...	20·4	+12	WSW	4	bcjp	48	92	46	8	2	–	–	4-6	4-6	4000
	Plymouth ...	21·5	+18	W'N	4	bc	51	85	46	9	1	4	–	2-3	2-3	3000
	The Lizard ...	21·3	+20	SW'S	2	c	54	85	40	8	8	6	–	4-6	7-8	2500
	Scilly (St. Mary's)	20·2	+6	SSW	4	c	54	85	40	7	5	7	–	4-6	9+	1500
	Guernsey ...															
6	Pembroke ...	20·2	+30	SW'W	4	bc	50	85	45	8	2	–	–	2-3	2-3	3000
7	Holyhead (Valley)	16·6	+30	WSW	4	bc	53	65	43	8	2	4	1	1	2-3	2500
	Chester (Sealand)	16·1	+42	WNW	6	bcq	54	55	39	8	1	–	–	4-6	4-6	2500
8	Manchester ...	15·7	+46	WNW	5	c	50	65	40	8	2	6	–	7-8	7-8	3000
10	Spurn Head ...	11·6	+42	WNW	7	c	51	75	42	7	1	6	–	4-6	7-8	2500
	Catterick ...	10·8	+30	WNW	6	bc	53	55	38	9	2	–	–	2-3	2-3	1500
	Tynemouth ...	08·7	+20	W	6	bcq	53	65	42	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	07·2	+52	W	6	bc	51	65	40	8	5	4	–	4-6	4-6	2500
	Leuchars ...	08·0	+66	WNW	5	bc	54	55	39	9	8	6	–	2-3	4-6	3500
12	Renfrew (Abbots I.)	11·4	+50	WNW	4	bc	54	55	35	9	2	–	–	4-6	4-6	1800
	Eskdalemuir ...	10·5	+50	WNW	5	bc	49	65	38	8	5	4	–	4-6	4-6	2500
	Point of Ayre...	14·0	+28	NW'W	4	b	54	75	46	8	1	–	–	1	1	4500
13A	Tiree	12·0	+40	WNW	3	bc	52	75	35	8	1	3	–	2-3	2-3	3500
13B	Stornoway ...	09·2	+50	W	5	c	49	75	42	8	2	6	8	4-6	7-8	3000
15	Dalwhinnie ...	09·6	+40	NW	4	pr	45	75	39	8	8	–	1	4-6	7-8	2500
	Aberdeen ...	06·2	+58	NW	6	c	51	65	41	8	8	4	–	7-8	7-8	2700
	Wick ...	05·5	+50	NW	4	c/r	46	85	40	8	2	6	–	9	9+	1500
16	Sumburgh ...	03·8	+38	NNW	2	r.r.	43	92	40	7	5	2	–	7-8	10	1000
17	Blacksod Point	15·2	+18	SW'W	4	c	51	65	40	9	8	–	–	7-8	7-8	2500
18	Malin Head ...	13·4	+34	SW	3	bc	50	65	39	8	1	–	3	2-3	2-3	2500
	Aldergrove ...	14·4	+30	W	3	cjp	55	55	47	9	2	4	–	7-8	7-8	3000
19	Birr Castle ...	16·8	+22	SSW	2	c	56	45	36	7	2	–	6	4-6	7-8	2500
20	Valentia Obsy.	16·6	+6	S'E	4	c	53	75	46	9	5	2	–	7-8	10	4000
	Roches Point	18·6	+14	SSW	3	c	52	75	45	8	5	7	–	7-8	9	1500

OBSERVATIONS at 18h. 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)	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)	21·5	+20	W	3	bc	56	45	35	8	1	3	5	2-3	4-6	2500	1	•
	Croydon ...	21·7	+18	W	2	bc	55	45	36	7	1	–	5	2-3	4-6	2500	1	•
	S. Farnborough	22·2	+20	W'N	4	c	54	45	32	8	1	–	4	1	7-8	3000	1	•
	Boscombe Down	22·4	+18	WNW	3	bc	53	65	39	9	1	–	6	Tr	2-3	3000	1	•
	Thorney Island	22·4	+14	W	4	c	52	75	43	8	1	–	6	Tr	7-8	4000	1	•
	Lympne ...	22·4	+18	SW'W	3	bc	52	75	44	8	4	1	2	1	2-3	5500	1	4
	Manston ...	21·3	+22	W	3	bc	53	55	38	7	5	4	1	1	2-3	3000	1	•
2	Shoeburyness ...	21·1	+22	WSW	1	bc	55	55	40	8	1	–	1	2-3	2-3	3200	1	•
	Felixstowe ...	20·1	+26	W'N	5	bc	55	45	35	8	1	–	1	1	2-3	4000	0	4
	Gorleston ...	18·7	+34	NW'N	4	bc	56	75	49	7	1	–	–	4-6	4-6	3000	0	2
	Mildenhall ...	19·8	+28	W	4	b	55	65	42	8	4	–	1	Tr	1	2500	0	•
	Cranwell ...	19·1	+26	W'N	4	b	53	55	37	8	–	4	8	0	1	–	0	•
3	Birmingham ...	21·0	+20	W	4	b	53	45	33	8	7	–	1	Tr	1	4000	1	•
	Upper Heyford	20·4	+12	W	3	bc	54	45	34	8	1	–	9	1	2-3	3500	0	•
4	Ross-on-Wye	21·2	+20	WSW	3	bc	54	55	39	8	1	–	2	Tr	2-3	4000	1	•
5	Hartland Point	21·7	+4	WSW	2	c	51	65	39	8	2	7	–	1	7-8	2500	0	4
	Bristol ...	22·5	+16	W	4	b	52	65	40	8	–	4	2	0	1	–	1	•
	Portland Bill ...	23·6	+22	SW	4	bc	47	92	45	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	23·4	+8	SSW	3	2o	51	92	49	6	5	3	–	2-3	2-3	800	0	4
	The Lizard ...	22·8	+4	S	3	df	49	97	49	2	5	–	–	10	10	400	1	3
	Scilly (St. Mary's)	21·2	+6	SSW	3	f	50	97	48	2	–	–	–	10	10	<150	3	4
	Guernsey ...																	
6	Pembroke ...	21·8	+8	S'W	4	c	48	85	44	8	4	4	–	4-6	7-8	3000	1	3
7	Holyhead (Valley)	19·6	+14	SW'S	5	bc	49	85	43	8	1	4	2	Tr	2-3	2500	1	4
	Chester (Sealand)	19·9	+18	WSW	3	bc	54	55	38	8	4	–	1	4-6	4-6	2600	0	•
8	Manchester ...	19·5	+14	W	4	bc	51	65	39	8	4	–	–	2-3	2-3	3500	1	•
10	Spurn Head ...	17·9	+24	WNW	6	bcq	51	75	42	7	–	6	8	0	4-6	–	0	5
	Catterick ...	17·4	+38	W	3	bc	53	45	34	9	1	–	5	1	2-3	3000	1	•
	Tynemouth ...	15·8	+36	W	5	bcq	55	55	38	7	2	3	1	2-3	4-6	2500	1	4
11	St. Abbs Head	14·2	+4	W	4	bc	51	92	48	8	5	4	–	2-3	4-6	3000	0	4
	Leuchars ...	13·8	+34	W	4	bc	54	45	35	9	1	–	8	2-3	4-6	3500	1	•
12	Renfrew (Abbots I.)	16·3	+24	NW'W	4	c	50	65	39	8	1	6	–	7-8	7-8	2200	1	•
	Eskdalemuir ...	16·4	+20	WNW	3	b	49	65	38	8	1	–	–	Tr	Tr	3200	1	•
	Point of Ayre...	17·8	+10	W'N	3	b	52	85	46	8	1	4	–	Tr	1	5000	0	2
13A	Tiree	15·6	+12	SSW	1	c	49	85	42	8	5	3	–	2-3	7-8	3500	0	3
13B	Stornoway ...	13·8	+14	W	4	bc	48	75	40	8	1	6	1	2-3	4-6	2000	1	2
15	Dalwhinnie ...	14·7	+34	W	3	bc	46	55	32	8	8	–	–	4-6	4-6	4000	0	•
	Aberdeen ...	13·3	+46	NW	4	bc	50	65	36	8	4	4	1	2-3	4-6	3500	1	3
	Wick ...	12·1	+42	NW'W	6	c/pr	45	75	36	9	2	–	6	4-6	7-8	2000	1	•
16	Sumburgh ...	09·8	+28	WNW	3	c/r	43	92	39	8	5	2	–	4-6	9+	1500	1	3
17	Blacksod Point	14·7	-2	S	4	c	51	75	43	9	5	–	–	10	10	1500	1	4
18	Malin Head ...	15·9	+14	WSW	3	c	48	75	40	8	5	7	–	4-6	10	4000	1	4
	Aldergrove ...	17·3	+18	SW'S	1	c	53	55	38	9	4	5	–	4-6	9	3000	1	•
19	Birr Castle ...	16·8	+2	S	2	c	54	65	43	8	5	1	–	7-8	10	2500	1	•
20	Valentia Obsy.	16·4	+2	S'E	4	id.	52	97	51	6	5	–	–	10	10	800	1	3
	Roches Point	18·8	+2	S	4	id.	50	92	48	6	5	–	–	10	10	800	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 10th (39)	Weather. 12h.—18h. 10th (40)	Weather. 18h. 10th to 1h. 11th (41)	Weather. 1h.—7h. 11th (42)
1	London (Kew)	ccy	cbcy	bybw	xbcmw
	Croydon ...	cbcy	cybcy	bcybyb	bmwcfg
	S. Farnborough	bbcf	bcbcym	bcbyb	bmomg
	Boscombe Down	bc	bcbbc	bcm	ofe
	Thorney Island	cvpr	bcb, c	cbcb	bpfcm
	Lympne ...	bcbcy	bccyc	bcbw	bcm
	Manston ...	bc	cbcby	bybbz	bz bbcm
2	Shoeburyness ...	bccy	cybcy	by	bbcx
	Felixstowe ...	ccy	cyby	bybbm	bmbccm
	Gorleston ...	cbcqy	bcq	bcbm	bbcz
	Mildenhall ...	ccy	cybcy	b	bccbm
	Cranwell ...	bc	bcyby	bybbm	bm
3	Birmingham ...	bc	bcb	bbc	bcb
	Upper Heyford	bccbc	bcyby	bcbbc	bcc
4	Ross-on-Wye	cbcy	bcy	bbc, c	cbwc
5	Hartland Point	bc	bcc	c	c
	Bristol ...	bbcb	bbcby	bbmbc	bccm
	Portland Bill ...	bbc	cbc	bcc	coff
	Plymouth ...	cvby	bvc	cmpfq	ocdff
	The Lizard ...	bcc	codf	Fffe	occ
	Scilly (St. Mary's)	bcc	cdoffe	bbfFf	oFFe
	Guernsey ...				
6	Pembroke ...	bc	bcc	cffo	FeFeo
7	Holyhead (Valley)	b	bbcb	bcc	codm
	Chester (Sealand)	bbcqy	bcy	bccbc	bccm
8	Manchester ...	c	bc	bcc	cm
10	Spurn Head ...	cq	bcq	b	bc
	Catterick ...	bcpr bc	bbcby	bcc	ccm
	Tynemouth ...	bcq	bcq	bc	bcc
11	St. Abbs Head	bc	bc	bcmbc	bcc
	Leuchars ...	bc	bcbcy	bcyb	bcm
12	Renfrew (Abbots I.)	cpr bcy	bcypr bc	bcbbc	bcidcm
	Eskdalemuir ...	cbcpr	prbc	bc	coid
	Point of Ayre...	bcb	b	cbcc	cbcc
13A	Tiree	bc	bcc	cor	oid
13B	Stornoway ...	c	cprbc	bbc	ccrr
15	Dalwhinnie ...	cpr	cbcy		cpro
	Aberdeen ...	bcpr c	cbc	b	bcmic
	Wick ...	ddmrc	bccpr c	bcb	c
16	Sumburgh ...	crr	crrc	cbcc	bcc
17	Blacksod Point	c	c	r	r
18	Malin Head ...	bc	bc	r	c
	Aldergrove ...	prbcyjp	cprbcc	c	c
19	Birr Castle ...	bc	c	•	c
20	Valentia Obsy.	c	d	d	d
	Roches Point	bc.	d	d	d

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light southerly winds. Rather cloudy at first with risk of slight drizzle locally, but becoming fine. Becoming warmer.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate southerly winds, fresh locally on the coast. Mainly dull with occasional drizzle and hill and coast fog; probably finer intervals inland tomorrow: rather close.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate southerly winds. Dull with some drizzle; finer periods tomorrow. Becoming warmer.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	As 4-8
14 Mid Scotland 15 N.E. Scotland	Light to moderate south to southwest wind. Cloudy or dull; some light occasional rain or drizzle: milder.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate to fresh southerly winds, strong and approaching gale at times on West coast. Dull; some drizzle at times; mild and close.

GENERAL INFERENCE

A complex and deep depression covers the North Atlantic but pressure is high over Southeast England. Warm, moist, southerly winds will give much low and very low cloud in our western districts, with some occasional drizzle, but mainly fair weather will occur in the East.

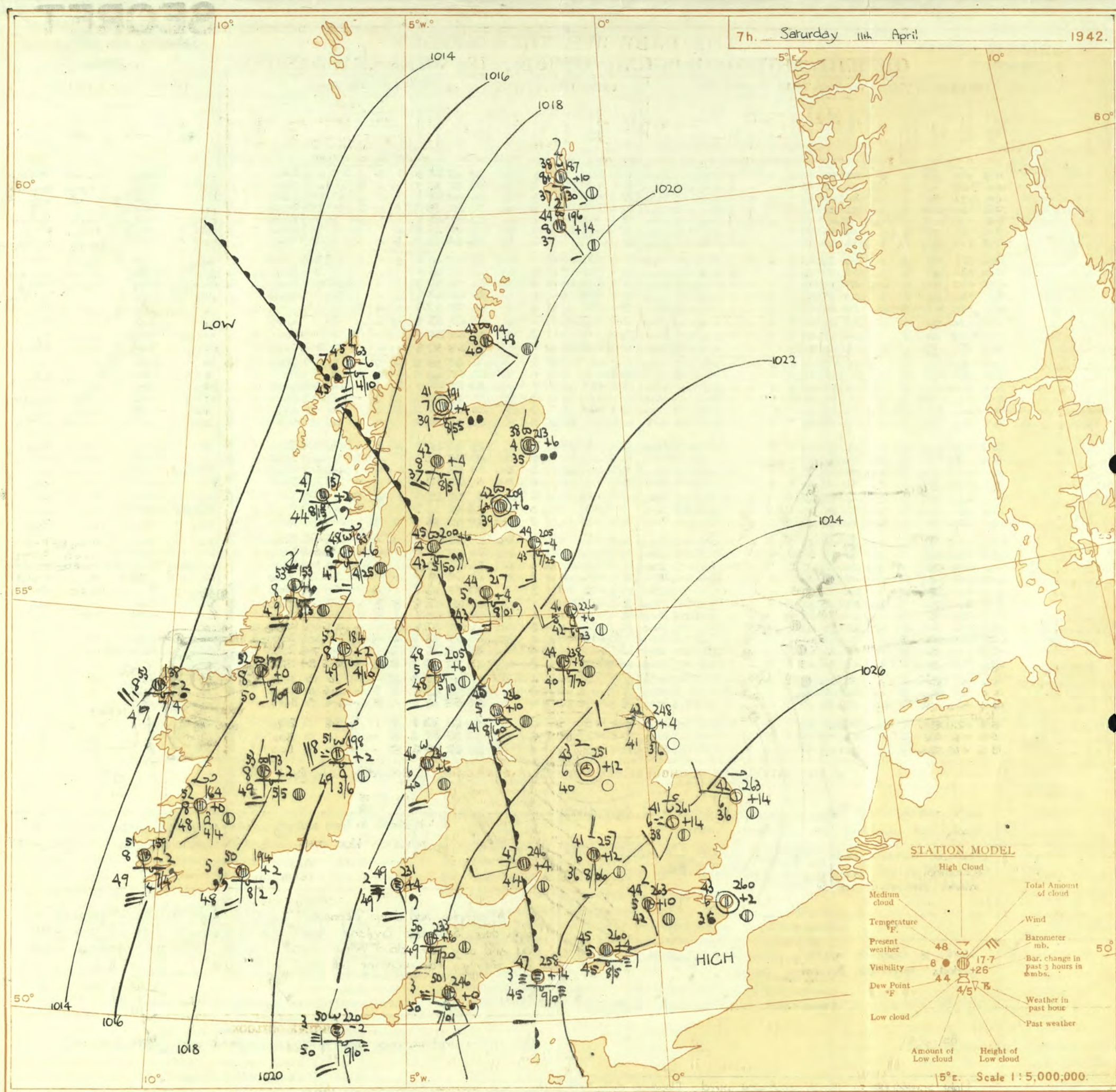
FURTHER OUTLOOK

Fair, or fine and warmer over much of England and South Scotland.

Forecasts issued at 1030 G.M.T.

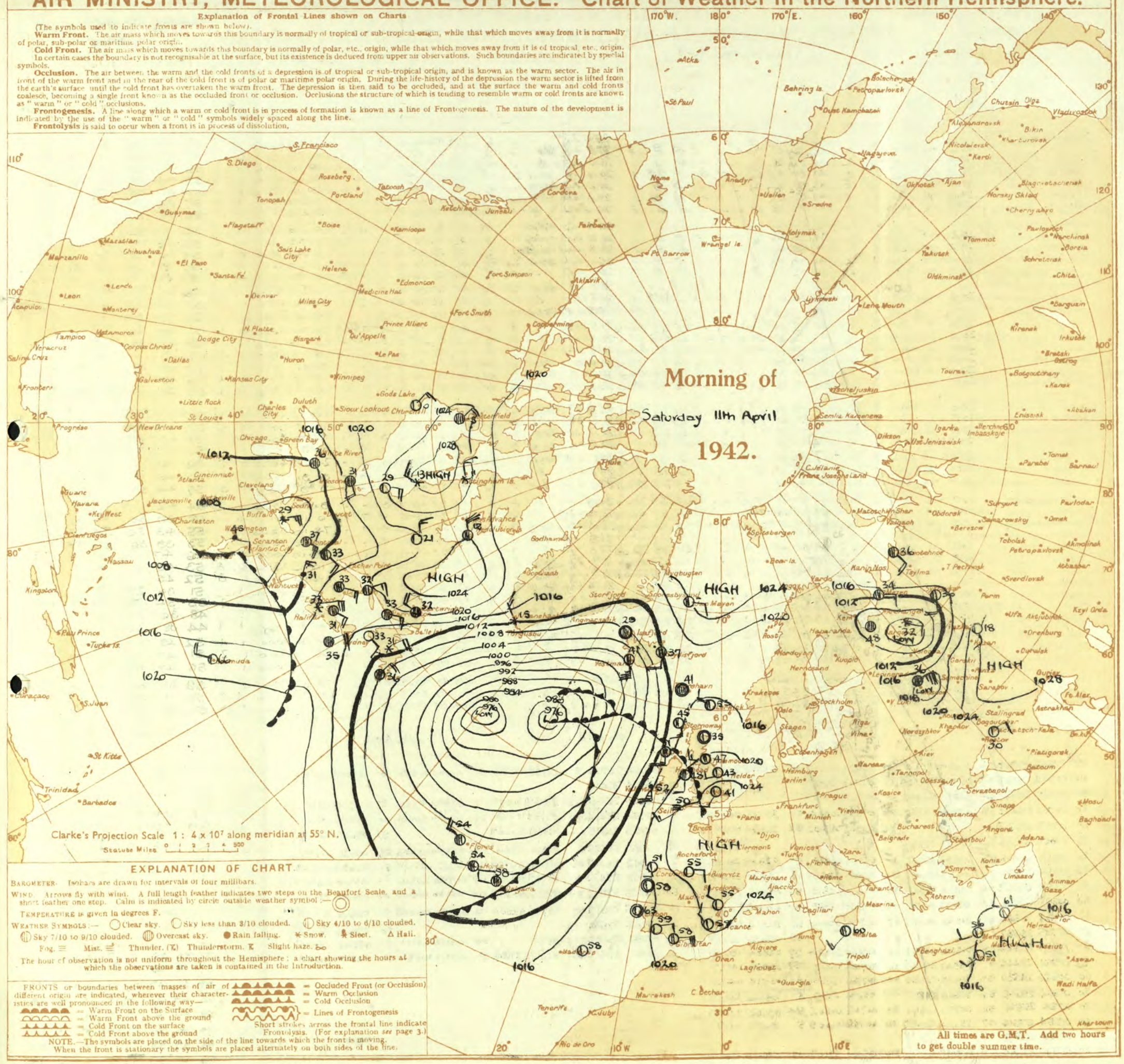
N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday 11th April 1942.



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Saturday 11th April 1942

No. 29360

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)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25.6	+10	SSW	2	b	41	85	37	7	-	-	-	0	0	-
	S. Farnborough	226	25.4	+4	-	0	b	40	82	38	7	-	-	-	0	0	-
	Boscombe Down	417	25.5	+6	SSE	1	z	41	87	40	6	-	7	5	0	7-8	-
	Thorney Island	10	25.6	+2	—	0	b	42	87	41	7	-	-	-	0	0	-
	Lympne ...	283	25.9	+6	NW	1	b	40	82	37	7	-	-	-	0	0	-
	Manston ...	154	25.3	+8	WSW	3	b	45	75	38	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25.2	+14	W'S	1	z	44	85	39	6	-	-	-	0	0	-
	Gorleston ...	5	24.2	+10	W'N	2	b	46	85	38	6	-	-	-	0	0	-
	Mildenhall ...	15	24.5	+10	SW	2	z	41	82	39	6	-	-	-	0	0	-
	Cranwell ...	203	23.7	+6	SW	1	z	40	82	38	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.3	+10	W'S	2	bc	41	85	36	7	-	5	1	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23.4	+4	S	2	c	50	92	48	7	5	-	-	7-8	7-8	2500
	Bristol ...	209	25.0	0	-	0	z	45	75	39	6	-	7	-	0	4-6	-
	Portland Bill ...	32	24.4	+2	W'S	3	c	46	92	44	7	5	-	-	0	9	4000
	Plymouth ...	82	24.6	−2	SW	2	f+	50	97	50	2	-	-	-	10	10	<150
	The Lizard ...	240	23.8	+4	SSW	1	of	50	97	50	2	5	-	-	10	10	400
	Scilly (St. Mary's)	163	23.1	0	SSW	3	F	50	97	50	1	-	-	-	10	10	<150
	Guernsey ...	175															
6	Pembroke ...	142	23.0	0	SSE	3	f	48	97	48	2	-	-	-	10	10	<150
7	Holyhead (Valley)	32	21.3	+2	S	4	c	48	85	47	7	5	-	-	10	10	4400
	Chester (Sealand)	16	22.6	0	S	2	bc	45	75	37	7	-	7	-	0	2-3	-
8	Manchester ...	235	23.2	+6	SSE	3	c	43	85	38	7	-	1	7	0	10	-
10	Spurn Head ...	29	22.0	+10	WSW	3	b	44	85	41	7	-	-	-	0	0	-
	Catterick ...	175	22.4	+8	W	1	c	47	75	39	8	-	7	-	0	10	-
	Tynemouth ...	108	21.3	+10	W	3	bc	47	75	38	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	20.7	+26	W	2	bc	44	85	39	7	5	-	-	2-3	2-3	2500
	Leuchars ...	36	19.7	+14	-	0	b	43	85	38	8	5	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	18.6	+4	E	1	z	44	85	41	6	5	7	-	7-8	10	4500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20.2	0	WSW	3	c	49	85	45	8	5	2	-	0	10	2000
13A	Tiree	22	16.3	0	SSE	3	r,c	45	87	44	7	5	-	-	10	10	1500
13B	Stornoway ...	80	17.2	0	SSE	3	bc	48	92	43	8	5	4	-	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	19.5	+20	-	0	b	35	85	31	8	5	-	-	Tr	Tr	4000
	Wick ...	114	18.3	+22	SW	2	bc	37	85	34	8	5	4	-	1	2-3	4000
16	Surnburgh ..	19	16.4	+26	WNW	2	c	48	92	41	8	5	-	-	7-8	7-8	2500
17	Blacksod Point	18	14.6	+2	S	5	c/r	51	92	49	7	6	2	-	2-3	10	1500
18	Malin Head ...	84	15.1	−14	S	5	c	51	75	44	8	8	-	-	9+	9+	2500
	Aldergrove ...	268	18.6	−6	SSE	2	c	49	75	42	8	5	-	-	9+	9+	3100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.2	−2	S'E	5	id	52	97	51	6	5	-	-	10	10	450
	Roches Point	22	18.8	0	S	4	dd	50	97	49	6	5	-	-	10	10	450

OBSERVATIONS at 7 hr. 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)	Cloud. Height of Base (feet) (30)	State of Ground. (31)	Sea. 0–9 (32)
1	London (Kew)	26.5	+10	-	0	z	43	92	41	6	5	3	-	4-6	7-8	4000	1	*
	Croydon ...	26.3	+10	SSE	2	z	44	92	42	5	-	4	6	0	0	-	1	*
	S. Farnborough	26.4	+6	S	1	m/f	43	87	43	4	5	-	-	10	10	600	1	*
	Boscombe Down	26.0	+8	SSW	2	F	45	87	45	1	-	-	-	10	10	<150	1	*
	Thorney Island	26.0	+4	ESE	1	z	45	87	45	5	5	-	-	10	10	2500	1	*
	Lympne ...	27.0	+10	-	0	bc	43	87	43	6	-	-	1	0	2-3	-	1	3
	Manston ...	26.0	+2	-	0	bc z	43	75	36	6	-	-	2	0	4-6	-	1	*
2	Shoeburyness ...	26.4	+12	WSW	1	m	44	85	41	4	-	4	2	0	4-6	-	1	*
	Felixstowe ...	26.4	+10	W'N	1	c	43	85	38	7	-	-	2	0	7-8	-	1	*
	Gorleston ...	26.3	+14	WNW	2	z	42	75	36	6	-	-	1	0	2-3	-	0	1
	Mildenhall ...	26.1	+14	SSW	2	f+	41	82	38	6	-	4	8	0	2-3	-	0	*
	Cranwell ...	25.1	+12	-	0	z	43	85	40	6	-	-	5	0	Tr	-	0	*
3	Birmingham ...	24.8	+8	SSE	2	bc	45	75	38	6	5	-	1	1	2-3	4000	1	*
	Upper Heyford	25.7	+12	S	1	z	41	85	36	6	-	2	-	10	10	600	1	*
4	Ross-on-Wye	24.6	+4	WSW	1	c	47	85	44	6	5	-	-	10	10	2500	1	*
5	Hartland Point	23.3	+6	S	3	c	50	97	49	7	5	-	-	9+	9+	2000	0	3
	Bristol ...	25.5	+4	S	1	z	49	92	47	6	5	-	-	10	10	1200	1	*
	Portland Bill ...	25.8	+14	S	2	f	47	92	45	3	5	-	-	10	10	<150	1	3
	Plymouth ...	24.6	0	SE	2	cf-	50	97	50	3	5	-	-	9+	9+	100	1	1
	The Lizard ...	23.1	0	S'E'S	3	df	49	97	49	2	5	-	-	10	10	300	1	4
	Scilly (St. Mary's)	22.0	−2	S'E	4	cf-	50	97	50	3	-	-	-	10	10	<150	1	4
6	Pembroke ...	22.8	+2	SE'S	4	F+	48	97	48	1	-	-	-	10	10	<150	1	3
7	Holyhead (Valley)	21.4	+6	S'E	4	d d	49	97	48	6	-	2	-	10	10	500	1	4
	Chester (Sealand)	23.1	+8	SSE	3	z	46	85	41	6	5	-	-	9+	9+	5500	0	*
8	Manchester ...	23.6	+6	SSE	3	z	46	85	40	6	-	3	-	9	9	-	1	*
10	Spurn Head ...	24.8	+4	WSW	2	bc	42	97	41	7	1	-	-	2-3	2-3	4000	0	3
	Catterick ...	23.8	+8	S	1	z	44	85	40	6	5	-	-	9+	9+	7000	1	*
	Tynemouth ...	22.6	+6	SW	3	z	46	85	42	5	8	-	-	9	9	2300	1	3
11	St. Abbs Head	20.5	−4	S	3	c	44	97	43	7	5	-	-	9+	9+	2500	0	3
	Leuchars ...	20.9	+6	-	0	z	42	85	39	6	-	7	-	0	10	-	0	*
12	Renfrew (Abbots I.)	20.0	+6	NE'E	2	m/d	45	92	42	4	5	7	-	7-8	10	5000	1	*
	Eskdalemuir ...	21.7	+4	S'W	3	id	44	97	43	5	5	-	-	10	10	100	1	*
	Point of Ayre ...	20.5	+6	S	4	c	48	97	48	5	5	1	-	7-8	10	1000	0	3
13A	Tiree	15.7	+2	SE'S	4	z	47	97	44	7	5	-	-	10	10	1500	0	4
13B	Stornoway ...	16.3	-6	SSE	5	r,r	45	97	45	7	5	2	-	4-6	10	1000	1	3
15	Dalwhinnie ...	20.4	+4	SSW	3	o	42	85	37	8	5	-	-	10	10	2500	1	*
	Aberdeen ...	21.3	+6	-	0	m/r	38	92	35	4	-	7	-	0	9+	-	1	2
	Wick ...	19.4	+8	ESE	2	c	43	92	40	8	-	7	-	0	9+	-	1	*
16	Surnburgh ..	19.6	+14	SE	1	c	44	75	37	8	-	7	6	0	9	-	1	1
17	Blacksod Point	18.8	-2	SW'S	5	c	53	85	49	8	5	-	-	9+	9+	1500	1	4
18	Malin Head ...	15.3	+6	S	4	c	53	85	49	8	5	3	6	2-3	7-8	800	1	2
	Aldergrove ...	18.4	+2	S'E	3	c	52	85	49	8	5	-	-	4-6	9+	1000	1	*
19	Birr Castle ...	17.3	+2	S	3	c	53	85	49	8	5	7	-	7-8	9	2500	1	*
20	Valentia Obsy.	15.9	-2	S'E	6	c	51	92	49	8	5	-	-	9+	9+	1500	1	3
	Roches Point	19.4	+2	S	3	dd	50	97	49	5	5	-	-	10	10	450	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 10th Hrs. (38)
1	London (Kew)	57	38	25	—	7	8.7
	Croydon ...	57	39	36	—	Tr	9.2
	S. Farnborough	58	37	29	—	-	11.0
	Boscombe Down	55	40	34	—	0.1	9.5
	Thorney Island	57	38	33	Tr	-	*
	Lympne ...	57	36	29	—	-	9.6
	Manston ...	58	39	32	—	-	8.3
2	Shoeburyness ...	59	37	29	—	-	6.3
	Felixstowe ...	58	40	33	—	-	7.3
	Gorleston ...	58	40	33	Tr	-	6.5
	Mildenhall ...	59	37	28	Tr	Tr	8.0
	Cranwell ...	57	38	33	—	-	10.6
3	Birmingham ...	55	41	37	—	-	10.7
	Upper Heyford	57	39	33	—	-	*
4	Ross-on-Wye	58	43	34	—	-	9.2
5	Hartland Point	51	49	48	—	-	9.2
	Bristol ...	55	42	35	—	-	11.6
	Portland Bill ...	49	43	*	—	-	*
	Plymouth ...	53	49	48	—	Tr	8.3
	The Lizard ...	54	48	*	Tr	1	6.3
	Scilly (St. Mary's)	55	50	*	Tr	0.2	2.7
6	Pembroke ...	51	40	*	—	0.2	9.2
7	Holyhead (Valley)	53	47	45	—	Tr	*
	Chester (Sealand)	55	43	39	—	-	11.8
8	Manchester ...	53	42	39	—	-	*
10	Spurn Head ...	52	41	*	—	-	8.6
	Catterick ...	56	43	37	Tr	-	10.8
	Tynemouth ...	57	44	39	—	-	*
11	St. Abbs Head	54	42	*	—	-	*
	Leuchars ...	55	39	30	—	-	11.3
12	Renfrew (Abbots I.)	55	43	36	Tr	Tr	7.7
	Eskdalemuir ...	53	39	36	0.2	Tr	8.2
	Point of Ayre ...	56	47	*	—	-	11.2
13A	Tiree	53	45	*	—	1	9.7
13B	Stornoway ...	52	45	*	—	3	9.7
15	Dalwhinnie ...	51	34	27	Tr	0.5	7.6
	Aberdeen ...	53	34	26	Tr	Tr	6.0
	Wick ...	48	38	31	1	Tr	*
16	Surnburgh ..	44	38	30	1	-	0.1
17	Blacksod Point	52	49	*	—	0.5	*
18	Malin Head ...	51	47	*	—	Tr	8.7
	Aldergrove ...	56	47	45	Tr	-	8.3
19	Birr Castle ...	58	50	48	—	-	8.1
20	Valentia Obsy.	54	51	49	1	0.4	*
	Roches Point	53	50	*	Tr	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th April: C_L C_M	wwVhN$_h$	DDFWN	18h. G.M.T.: C_L C_M	wwVhN$_h$	DDFWN	01h. G.M.T. 11th April: C_L C_M	wwVhN$_h$	DDFWN	07h. G.M.T.: C_L C_M	wwVhN$_h$	DDFWN
109	52	22846	25368	62	64548	11568	50	00852	24202	07	05690	16125
115	84	01944	28565	53	10944	04326	87	02944	24327			
203	8-	02946	24316	6-	61838	04288	5-	03948	16418			
206	80	25953	28483	53	02855	12267	54	01963	00014	8-	22778	00068
210	8-	10957	59467				50	00862	18202	52	22864	10268
220	70	01954	26304	51	02755	12228						
230	20	01954	24414	52	02833	32167	5-	02868	00028	5-	02848	08158
245	26	01954	27514	86	05543	06164	50	00861	25201	07	22890	00067
260	80	01853	59563	86	02854	18385	54	05663	24315	52	05566	31128
278	80	00853	61503	52	05637	14388	52	02755	15328	5-	08448	12328
279	20	01954	25584	87	81845	49487	57	02774	50416	62	52624	16258
285	27	25745	26687							23	05626	06327
288	8-	01954	57524	88	81856	08187	00	05690	20224	57	02864	18227
575	26	01954	27414	8-	25947	29487	52	02754	14468	57	02887	14127
301	00	00890	24500	3-	81655	17485	04	01790	18324	5-	05578	14428
321	20	01854	25614	86	81645	51487	00	05690	23310	54	05564	14213
299	70	01754	25514	50	01754	20314	50	01742	24202	54	05662	22203
292	40	01954	57614	47	25644	50397	50	00753	16109	5-	08457	11117
310	--	01625	24515									
614	20	01764	59514	96	81846	51487	04	05661	22103	05	05690	12103

III	13h. G.M.T. 10th April: C_L C_M	wwVhN$_h$	DDFWN	18h. G.M.T.: C_L C_M	wwVhN$_h$	DDFWN	01h. G.M.T. 11th April: C_L C_M	wwVhN$_h$	DDFWN	07h. G.M.T.: C_L C_M	wwVhN$_h$	DDFWN
333	10	01964	23914	5-	22738	17768	5-	02848	16318	5-	52418	14358
334	--	02754	26414									
340	10	02965	26415	62	25845	31588	07	02890	18228	37	02743	17327
136	26	02954	57624	98	02755	18666	04	05690	20201	00	05690	20113
336	14	01763	20515	62	65326	20668				52	05636	20428
350	86	02854	57625	8-	81746	4986	04	05690	18203	52	05621	16111
368	20	00952	24402	83	25643	56783	5-	02767	00007	5-	05658	08228
379	20	01955	57425	9-	25737	53687	00	00790	20310	--	48109	24249
390	80	02865	57526	8-	81648	50388	00	05690	00000	00	08490	17113
392	17	02865	23515	8-	25743	52583	04	00890	00003	5-	05518	11228
438	27	01754	22614							80	02643	20216
430	40	01954	59484	8-	81647		00	05690	08114	5-	47248	08148
409	14	00851	22403	52	81747	53888	5-	05517	16357	5-	52518	16488

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 11th 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 ...	ccy	cbcy	by bw	Kew 24 hours ended 7h. Max. Time
Croydon	cbcy	cybcy	bcybyb	0.2 6h 11th
Greenwich	cy	cy	bcybwc	Min. Time
Camden Square	bc	c	*	<0.1 11-14th 10th
Kensington	bc	bc	*	
Hampstead	bc	bc	o	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	57	38	25	-	7	8.7	*	*
Croydon	57	39	36	-	Tr	9.2	*	*
Greenwich	59	37	29	-	-	8.3	39	74
Westminster	60	45	36	—	-	*	55	89
Regents Park	58	40	30	-	-	*	71	75
Camden Square	59	40	30	-	-	*	*	81
Kensington	59	39	33	-	-	*	84	83
Hampstead	58	41	33	-	-	*	*	83

BRITISH SECTION

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

SECRET

Sunday 12th April 1942

No. 29361

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	26·8	+8	S	2	c	57	75	49	7	5	3	–	9	9+	2500
	Croydon ...	26·3	-1	SSE	3	c	57	75	48	7	5	3	–	4-6	9+	2500
	S. Farnborough	26·1	-12	SSE	3	c	56	85	50	7	5	–	–	10	10	1800
	Boscombe Down	25·2	-12	S	3	z_0	55	85	51	6	5	–	–	9+	9+	1800
	Thorney Island	26·2	-4	SE	2	c	51	87	50	7	5	–	–	10	10	900
	Lympne ...	27·1	-2	SSE	2	b	53	75	45	8	1	–	–	1	1	3500
	Manston ...	26·5	-10	SW	1	c	59	55	44	8	1	–	–	7-8	7-8	2000
2	Shoeburyness ...	26·6	-8	ESE	2	c	55	65	44	8	5	–	–	9	9	4800
	Felixstowe ...	27·0	-2	SE'S	2	b	53	65	43	7	–	–	–	0	0	–
	Gorleston ...	26·5	-4	S'W	1	z_0	46	85	42	6	–	–	–	0	0	–
	Mildenhall ...	25·5	-8	S	2	0	64	65	48	7	1	–	–	1	1	3000
	Cranwell ...	24·5	-8	S	3	bc	61	65	50	7	1	3	–	7-8	7-8	3000
3	Birmingham ...	24·8	+2	SSE	3	c	52	85	48	7	5	–	–	10	10	1500
	Upper Heyford	25·6	-2	S'W	2	z_0	53	85	47	6	5	–	–	10	10	1000
4	Ross-on-Wye	24·1	-4	S'W	2	z_0	56	75	49	6	5	–	–	10	10	2000
5	Hartland Point	21·8	-16	SE	3	c	60	75	53	8	5	–	–	7-8	7-8	2000
	Bristol ...	25·3	-2	S'E	3	c	56	75	49	7	5	–	–	10	10	1500
	Portland Bill ...	25·0	-6	ESE	3	f	47	92	45	9	5	–	–	10	10	1150
	Plymouth ...	25·5	-10	SSE	3	ojf	54	92	52	7	5	–	–	10	10	1500
	The Lizard ...	21·7	-10	SE'E	4	of	51	97	51	2	5	–	–	10	10	200
	Scilly (St. Mary's)	19·9	-14	SSE	5	o/d	51	97	51	5	5	–	–	10	10	200
	Guernsey ...															
6	Pembroke ...	21·6	-10	SE	5	c	49	97	48	7	5	2	–	7-8	10	2000
7	Holyhead (Valley)	21·6	-6	S'W	4	c	53	85	49	7	5	2	–	7-8	9+	700
	Chester (Sealand)	22·7	-6	S'E	4	z_0	62	65	52	6	5	4	1	2-3	4-6	2700
8	Manchester ...	23·3	-6	S	4	c	60	75	52	6	5	3	1	7-8	9	3500
10	Spurn Head ...	25·4	0	SE	4	bc	48	85	44	7	–	7	8	2-3	2-3	–
	Catterick ...	23·6	-6	S	3	m	60	55	45	4	5	–	–	9+	9+	5000
	Tynemouth ...	23·1	0	SSW	3	z_0	58	65	46	6	5	–	–	7-8	7-8	2300
11	St. Abbs Head	22·0	+14	SSW	3	c	55	85	51	7	5	–	–	7-8	7-8	2500
	Leuchars ...	21·6	0	ESE	2	c	52	75	45	7	5	7	–	4-6	9	4000
12	Renfrew (Abbots I.)	20·6	+2	SSW	3	z_0	56	75	49	6	7	–	–	9+	9+	3000
	Eskdalemuir ...	22·6	+4	SW	3	d_0d_0	50	97	49	5	–	2	–	10	10	100
	Point of Ayre...	21·9	+2	S'W	4	m	49	97	48	4	5	–	–	10	10	800
13A	Tiree	16·2	0	SSE	4	bc	51	92	48	7	5	–	–	4-6	4-6	2500
13B	Stornoway ...	16·6	+2	SSE	5	c/d	50	97	50	8	5	7	–	7-8	10	1500
15	Dalwhinnie ...	19·7	+4	SSW	5	c	52	75	43	8	5	–	1	7-8	9	2500
	Aberdeen ...	20·8	-4	S'W	3	bc	55	75	45	7	5	5	9	Tr	2-3	2500
	Wick ...	19·0	-2	SE'S	3	c	50	85	44	8	1	3	9	Tr	7-8	3000
16	Sumburgh ...	21·6	+10	SSE	3	c	45	85	40	8	–	7	–	0	10	–
17	Blacksod Point	11·3	-14	S'E	5	bc	61	65	49	9	2	–	–	2-3	2-3	1500
18	Malin Head ...	14·9	-2	S'W	4	bc	64	65	52	8	1	4	–	2-3	4-6	4000
	Aldergrove ...	18·4	-6	S'W	4	c	60	75	52	9	7	1	–	7-8	7-8	3000
19	Birr Castle ...	16·1	-10	S	4	bc	60	75	52	8	5	8	–	2-3	4-6	2500
20	Valentia Obsy.	12·0	-22	SE'S	6	bc	56	75	48	8	2	4	–	4-6	4-6	2500
	Roches Point	17·6	-12	SSE	6	dd	50	97	49	6	5	–	–	10	10	450

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. (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)	24·2	-10	SE'S	2	z_0	57	65	46	6	1	–	–	Tr	Tr	2500	1	*
	Croydon ...	24·4	-10	SE	2	b	57	65	47	7	4	–	–	1	1	2800	1	*
	S. Farnborough	24·0	-12	SSE	2	b	56	75	47	7	5	–	–	Tr	Tr	2000	1	*
	Boscombe Down	23·6	-18	SSE	3	bc	53	85	48	8	5	–	–	2-3	2-3	2500	1	*
	Thorney Island	23·8	-18	E	2	b	54	75	47	9	–	–	–	0	0	–	1	*
	Lympne ...	25·3	-12	–	0	b	53	75	44	8	–	–	–	0	0	–	1	*
	Manston ...	25·6	-4	SE'E	1	b	55	65	42	8	–	–	–	0	0	–	1	*
2	Shoeburyness ...	25·3	-8	ESE	1	b	54	75	46	8	–	–	–	0	0	–	1	*
	Felixstowe ...	25·7	-6	ESE	2	b	48	85	45	8	–	–	–	0	0	–	0	1
	Gorleston ...	25·8	-6	S'W	3	z_0	48	85	42	6	–	–	–	0	0	–	0	* 2
	Mildenhall ...	24·4	-6	S	2	b	60	75	51	7	–	–	1	0	Tr	–	0	*
	Cranwell ...	23·4	-6	SSE	3	c	58	75	51	7	5	–	–	9	9	3000	0	*
3	Birmingham ...	22·5	-10	SSE	3	c	56	75	48	8	5	–	–	10	10	1500	1	*
	Upper Heyford	23·7	-2	S'E	2	z_0	55	75	48	6	5	–	–	9+	9+	3000	0	*
4	Ross-on-Wye	22·1	-8	S	3	c	56	75	48	7	5	–	–	10	10	2500	1	*
5	Hartland Point	18·6	-22	SSE	5	bc	56	85	49	8	4	–	–	4-6	4-6	2000	0	3
	Bristol ...	23·3	-8	SSE	2	z_0	55	85	49	6	5	3	–	4-6	7-8	1500	1	*
	Portland Bill ...	22·1	-12	E	3	bc	47	92	45	7	2	–	–	4-6	4-6	4000	1	3
	Plymouth ...	21·2	-16	SE'E	3	c	54	85	50	7	5	–	–	9+	9+	1200	0	3
	The Lizard ...	18·8	-18	ESE	4	bc	51	92	49	8	4	–	–	2-3	2-3	2500	1	4
	Scilly (St. Mary's)	16·3	-22	SE'E	5	bc	52	92	50	7	–	4	3	0	4-6	–	1	3
	Guernsey ...																	
6	Pembroke ...	19·4	-8	SE	5	c	50	92	47	7	2	–	–	9+	9+	3000	1	3
7	Holyhead (Valley)	18·9	-18	–	0	z_0	55	85	50	7	5	–	–	Tr	Tr	4000	1	3
	Chester (Sealand)	20·8	-6	SE'S	4	z_0	59	75	50	6	4	–	–	1	1	2800	0	*
8	Manchester ...	21·5	-8	SSE	4	z_0	59	75	50	6	4	–	–	1	1	4000	1	*
10	Spurn Head ...	24·3	0	SE	4	bc	47	85	43	7	–	4	1	0	2-3	–	0	3
	Catterick ...	21·7	-6	SE'S	3	z_0	60	65	49	6	–	3	–	0	Tr	–	0	*
	Tynemouth ...	22·7	-6	SSE	3	z_0	48	75	41	6	5	–	–	7-8	7-8	2500	1	
11	St. Abbs Head	20·7	0	S	3	c	56	85	52	7	5	4	–	7-8	7-8	1500	0	
	Leuchars ...	20·2	-4	–	0	z_0	55	85	49	6	5	–	–	9+	9+	3000	1	*
12	Renfrew (Abbots I.)	20·0	-2	SSE	2	z_0	56	75	48	6	5	–	–	9+	9+	2000	1	*
	Eskdalemuir ...	21·0	-10	–	0	c	52	92	50	7	5	7	–	4-6	7-8	900	1	*
	Point of Ayre...	19·9	-16	SE'S	2	c	53	92	50	7	4	3	–	Tr	7-8	4000	0	3
13A	Tiree	14·3	-12	SE'S	5	bc	50	55	37	7	5	3	–	1	4-6	3500	0	5
13B	Stornoway ...	14·0	-6	SSE	5	b	55	85	50	8	–	4	5	0	1	–	1	3
15	Dalwhinnie ...	18·0	-2	SSW	4	bc	49	85	46	8	5	–	–	4-6	4-6	2500	0	*
	Aberdeen ...	20·0	-8	S'E	2	c	53	85	47	7	5	–	9	Tr	7-8	2600	1	2
	Wick ...	17·8	-4	SE'S	3	c	47	92	44	7	–	4	2	0	7-8	–	1	*
16	Sumburgh ...	20·4	-8	SSE	4	c/pr	45	92	40	8	5	7	–	7-8	9+	5000	1	3
17	Blacksod Point	08·5	-20	SE	5	c	55	75	47	9	8	–	6	4-6	9+	2500	1	5
18	Malin Head ...	12·6	-8	SSE	6	bc	59	75	51	8	4	4	6	2-3	4-6	2500	1	4
	Aldergrove ...	17·1	0	SE'S	5	bc	55	85	51	8	8	–	–	4-6	4-6	1500	1	*
19	Birr Castle ...	13·3	-14	S	5	c	53	85	49	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	08·6	-22	SSE	7	d_0d_0	53	85	49	6	5	–	–	10	10	1500	1	5
	Roches Point	14·6	-10	SSE	6	id_0	50	92	48	6	5	–	–	10	10	450	1	5

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)	bcmwc	cbcbz	bzw	bzwbz
	Croydon ...	cbzz	cbc	bzbw	bz
	S. Farnborough	cmmoc	cbcb	bmo	bbcmo
	Boscombe Down	Fomo	cmobcb	bmo	bw
	Thorney Island	bbc	cb	b	bmo
	Lympne ...	bcmob	bbwb	b	bbzo
	Manston ...	bbczoy	bcyb	b	bbzmo
2	Shoeburyness ...	bmoc	cb	bbmo	bmo
	Felixstowe ...	cwbmob	b	bbmo	bmob
	Gorleston ...	bbczo	czo	bmo	bbcbw
	Mildenhall ...	bmob	bczob	bmow	bmowb
	Cranwell ...	c,bbc	bcc	cbcbmobbbc	
3	Birmingham ...	b,c	c	c	cbc
	Upper Heyford	odfmmo	cmoc	cbcbmo	bmo
4	Ross-on-Wye	c	c	bc	bwbcc
5	Hartland Point	c	cbc	bccbcb	bbcc
	Bristol ...	c	ccmo	cmbbmo	bmbcw
	Portland Bill ...	off	bc	bcbc	bcc
	Plymouth ...	ododvif	cjfc	bcmbmo	bmcwc
	The Lizard ...	off	bc	bcw	cw
	Scilly (St. Mary's)	oldoif	ocbc	bccy	cbccw
	Guernsey ...				
6	Pembroke ...	ifoidoc	c	bbc	c
7	Holyhead (Valley)	ododmo	cb	bmob	bbcc
	Chester (Sealand)	cmozobc	bcbzo	bcbzmo	bccmbz
8	Manchester ...	czo	bczo	cmob	bmoc
10	Spurn Head ...	bc	bc	b	b
	Catterick ...	czoy	czbzo	bmcmo	cmcmo
	Tynemouth ...	cmo	cmo	cbmo	bbcmo
11	St. Abbs Head	cmoc	cmo	cmbcmo	bcmcmo
	Leuchars ...	cmoc	ccmo	cbbcbmo	cbcmcmo
12	Renfrew (Abbots I.)	cmo	cmo	cbcbcmo	cbcmmo
	Eskdalemuir ...	ododo	dobc	bc	bccw
	Point of Ayre...	ffcom	oc	cbcbzo	bbccz
13A	Tiree	cuc	bc	c	c
13B	Stornoway ...	crrid	cbcb	b	b,c
15	Dalwhinnie ...	oc	c		c
	Aberdeen ...	bcc	bcyc	bc	bbccw
	Wick ...	c	c	cbcb	ccmo
16	Sumburgh ...	c	cprc	cbcb	b,c
17	Blacksod Point	bc	c	c	c
18	Malin Head ...	c	bc	c	c
	Aldergrove ...	coc	cbcbbc	cidccmo	cmcmoc
19	Birr Castle ...	b	bc		c
20	Valentia Obsy.	bc	d	d	d
	Roches Point	d	d	c	c

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

Districts	Forecasts
1 S.E. England; 2 E. England ...; 3 E. Midlands ...	Moderate to fresh southeast winds, probably veering during tomorrow. Fine to-day; cloud increasing with some rain probable toward end of period. Mild to-day, then cooler.
4 W. Midlands	Moderate to fresh southeast wind. Fine; average temperature.
5 S.W. England	As 1.
6 South Wales; 7 North Wales	Fresh southeast winds, strong locally on the coasts, veering southwest, moderating. Fair at first, then occasional rain; very mild at first, becoming cooler.
8 N.W. England; 9 N. Midlands ...; 10 N.E. England; 11 S.E. Scotland	As 1.
12 S.W. Scotland & Isle of Man; 13A W. Scotland ...; 13B N.W. Scotland; 14 Mid Scotland	Fresh south to southeast winds, strong locally on coast, veering south to southwest to-morrow. Fair to-day, becoming dull and rainy; mild, becoming cooler.
15 N.E. Scotland	Strong southerly winds. Mainly cloudy; general rain later: cool.
16 Orkneys and Shetlands	As 15.
17 N.W. Ireland	As 20.
18 N.E. Ireland; 19 S.E. Ireland	Fresh southeast winds, veering southwest moderating. Rain spreading from the Southwest; fairer periods to-morrow. Mild then somewhat cooler.
20 S.W. Ireland	Fresh southerly winds veering southwest or west, moderating. Dull and rainy, then fairer periods. Average temperature.

GENERAL INFERENCE

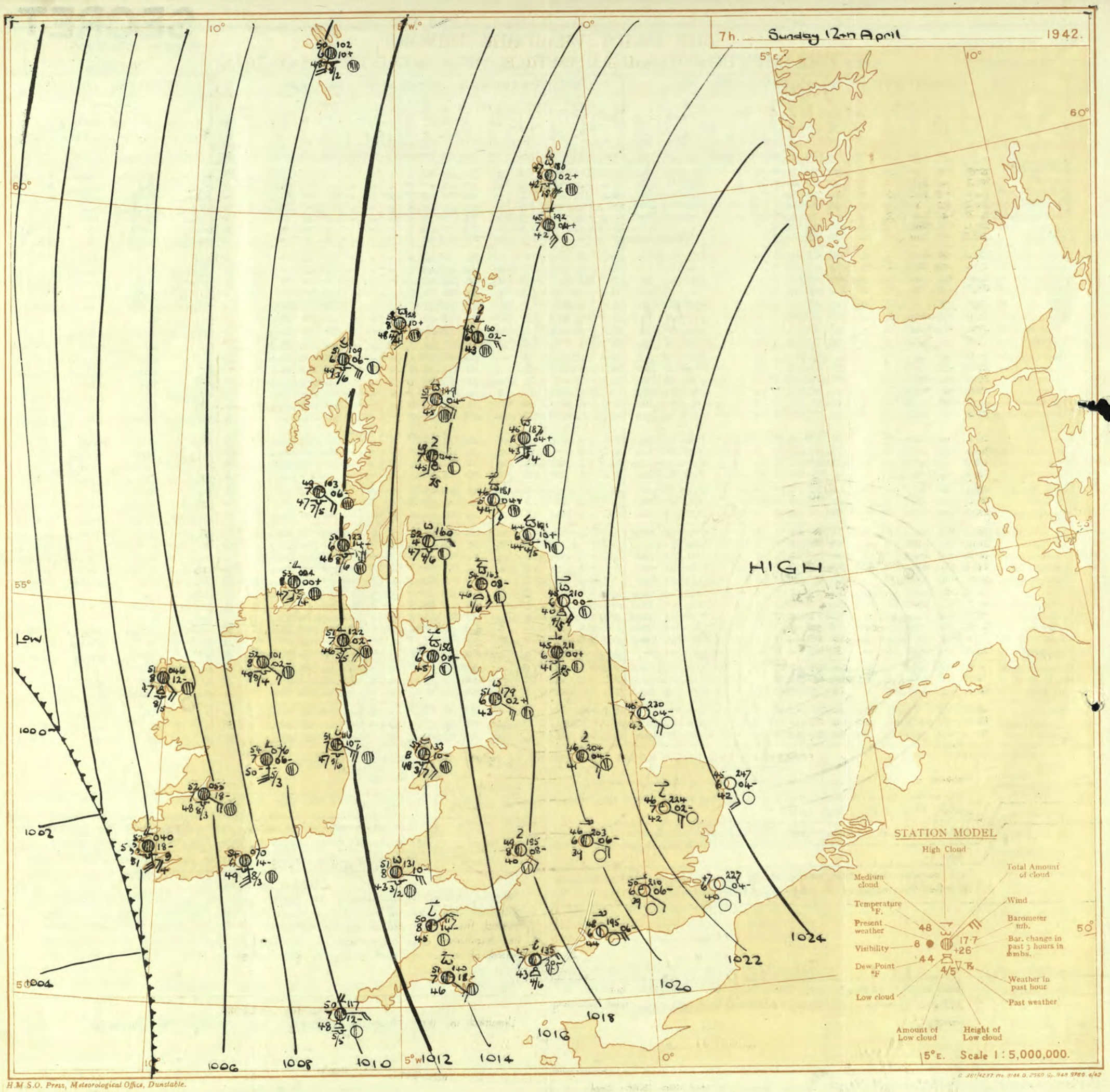
Pressure is high to eastward of the British Isles and low on the Northeast Atlantic. A trough of low pressure associated with the Atlantic depression and located from westward of Ireland to Spain will move up over the country from the Southwest and the interval of fine weather will gradually give way to a period of rain.

FURTHER OUTLOOK

Unsettled in the Northwest; probably fair periods in the Southeast.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

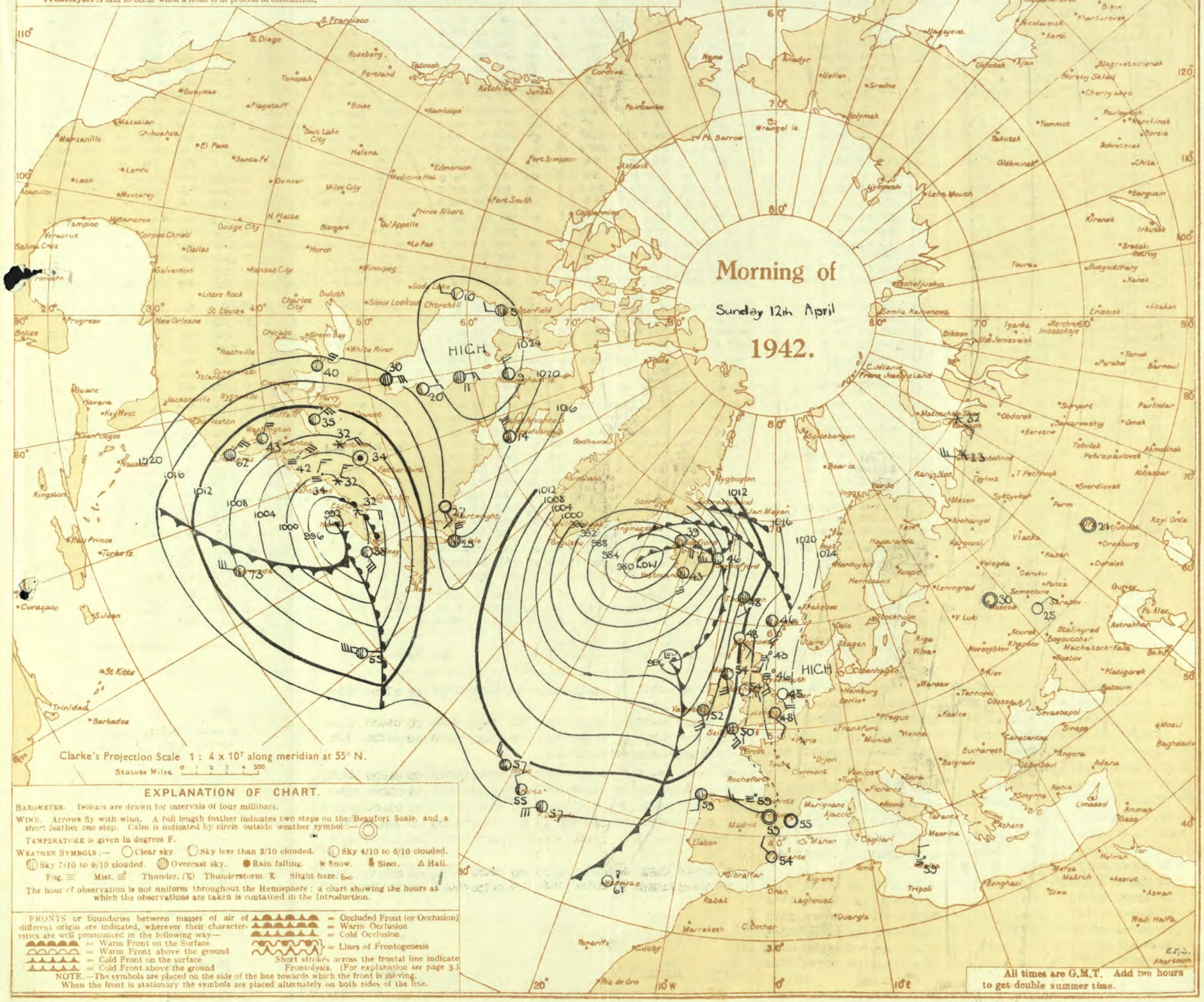
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 12th April 1942

No. 29361

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)	°F Dew Point (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22.8	+10	SE	1	b	48	85	42	7	-	-	-	0	0	-
	S. Farnborough	226	22.0	-10	E'S	2	2_o	47	85	43	6	-	-	-	0	0	-
	Boscombe Down	417	21.4	-16	SE	4	2_o	45	92	42	6	-	-	-	0	0	-
	Thorney Island	10	21.6	-8	E	4	2_o	50	85	46	6	-	-	-	0	0	-
	Lympne ...	283	23.5	-10	E	4	b	48	75	41	7	-	-	-	0	0	-
	Manston ...	154	24.1	-6	ESE	3	b	47	75	40	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24.7	-6	E'S	4	2_o	47	85	42	6	-	-	-	0	0	-
	Gorleston ...	5	25.3	-2	S	3	2_o	43	92	41	6	-	-	-	0	0	-
	Mildenhall ...	15	24.0	-2	SE'E	2	2_o	43	92	41	6	-	-	-	0	0	-
	Cranwell ...	203	23.2	-2	SSE	1	2_o	44	87	43	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.3	-4	ESE	2	2_o	47	85	42	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.6	-24	SE	5	b	51	85	47	8	-	4	-	0	Tr	-
	Bristol ...	209	20.9	-18	SSE	2	2_o	48	85	43	6	-	-	-	0	0	-
	Portland Bill ...	32	19.3	-12	E	4	bc	44	92	42	7	5	-	-	2-3	2-3	2500
	Plymouth ...	82	17.8	-12	ESE	4	bc	49	85	44	6	5	-	5	Tr	2-3	4000
	The Lizard ...	240	15.8	-24	E'S	4	bc	48	87	43	8	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	13.4	-20	SE	5	c	50	87	49	7	5	7	-	4-6	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	16.7	-14	ESE	6	bc	48	85	45	8	1	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	16.3	-14	ESE	3	b	54	75	46	7	-	-	-	0	0	-
	Chester (Sealand)	16	19.4	-10	SE'E	3	2_o	51	80	46	6	-	-	-	0	0	-
8	Manchester ...	235	20.7	-6	SSE	3	2_o	52	85	47	6	-	-	-	0	0	-
10	Spurn Head ...	29	23.8	0	SE'S	4	b	45	92	44	7	-	-	-	0	0	-
	Catterick ...	175	21.5	-10	S	1	2_o	49	92	47	5	5	-	-	10	10	2000
	Tynemouth ...	108	21.8	-4	SSE	4	2_o	46	85	43	6	-	-	-	0	0	-
11	St. Abbs Head	280	18.3	-14	ESE	4	bc	47	97	46	6	5	-	-	2-3	2-3	2500
	Leuchars ...	36	18.0	-10	-	0	2_o	48	92	41	5	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	18.0	-4	NE'N	1	2_o	52	85	48	5	5	-	-	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17.6	-10	SSE	3	2_o	47	97	46	6	-	7	-	0	9	-
13A	Tiree	22	11.8	-6	SSE	4	c	49	92	47	7	5	-	-	9	9	1800
13B	Stornoway ...	80	12.7	-4	SE	2	b	48	92	47	7	5	-	-	1	1	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	19.7	-2	S	2	2_o	43	92	41	6	5	-	6	Tr	4-6	3000
	Wick ...	114	16.6	-6	SSE	4	c	46	92	44	7	-	7	6	0	7-8	-
16	Surburgh ..	19	19.2	-6	SE'S	5	b	45	92	43	8	-	-	-	0	0	-
17	Blacksod Point	18	07.3	-10	SE	5	c	53	75	46	8	5	-	-	10	10	1500
18	Malin Head ...	84	08.9	-2	S'E	5	c	54	85	50	7	-	2	-	10	10	2500
	Aldergrove ...	268	14.5	-12	SE'S	4	2_o	52	85	46	6	5	-	8	2-3	7-8	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	07.2	-14	S'E	5	c	52	92	50	8	5	-	-	10	10	1500
	Roches Point	22	11.2	-18	SSE	6	2_o	50	92	48	6	5	-	-	10	10	800

OBSERVATIONS at 7 hr. G.M.T. 12th 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)	20.8	-8	ENE	2	2_o	48	75	41	5	-	-	4	0	Tr	-	1	*
Croydon ...	21.0	-6	SE	1	b	50	65	38	6	-	-	5	0	1	-	1	*
S. Farnborough	20.4	-4	E	2	2_o	46	85	40	6	-	-	4	0	2-3	-	1	*
Boscombe Down	18.1	-8	SE	3	bc	44	85	41	7	-	-	1	0	2-3	-	1	*
Thorney Island	19.5	-6	ESE	4	2_o	48	85	44	6	-	-	2	0	2-3	-	1	*
Lympne ...	22.5	-6	E	2	2_o	48	75	41	6	-	-	-	0	0	-	1	3
Manston ...	22.7	-4	SE'E	2	2_o	47	75	40	6	-	-	-	0	0	-	1	*
Shoeburyness ...	22.5	-4	SE'E	2	2_o	47	85	42	5	-	-	-	0	0	-	1	*
Felixstowe ...	23.3	-6	E	4	b	47	75	40	7	-	-	-	0	0	-	0	2
Gorleston ...	24.7	-4	SSE	4	2_o	45	85	42	6	-	-	-	0	0	-	0	3
Mildenhall ...	22.4	-2	SE'E	3	b	46	85	42	7	-	4	1	0	Tr	-	0	*
Cranwell ...	22.0	-6	SE	3	2_o	43	92	40	6	-	-	5	0	2-3	-	0	*
Birmingham ...	19.7	-4	SE	3	bc	47	75	40	6	-	-	2	0	4-6	-	1	*
Upper Heyford	20.3	-6	ESE	3	2_o	46	75	39	6	-	-	2	0	4-6	-		*
Ross-on-Wye	18.5	-8	SE	2	c	48	75	40	8	-	-	6	0	7-8	-	1	*
Hartland Point	13.0	-14	NE	3	c	51	85	45	8	-	4	8	0	9+	-	0	3
Bristol ...	18.4	-10	SE	3	c	48	75	41	7	-	-	4	0	7-8	-	1	*
Portland Bill ...	16.5	-20	E	4	c	47	85	43	7	2	4	-	4-6	7-8	4000	1	4
Plymouth ...	14.0	-18	SE	3	c	51	85	46	7	-	5	7	0	9+	-	0	3
The Lizard ...	11.7	-12	E	4	c	50	92	48	7	8	2	-	7-8	9+	2000	1	+
Scilly (St. Mary's)	09.9	-14	SE'E	4	c	50	92	48	7	7	7	8	4-6	9+	1800	1	3
Guernsey ...																	
Pembroke ...	12.8	-14	ESE	6	c	49	85	44	7	2	6	1	2-3	10	2500	1	3
Holyhead (Valley)	13.3	-10	SSE	4	c	57	75	48	8	5	9	-	2-3	9	6000	1	3
Chester (Sealand)	17.1	-4	SE'S	3	2_o	50	75	42	6	5	-	-	9+	9+	4000	0	*
Manchester ...	18.6	-6	SE	4	c	52	65	40	8	-	-	2	0	7-8	-	1	*
Spurn Head ...	23.0	-4	SE'S	4	bc	45	92	43	7	-	4	-	0	2-3	-	0	3
Catterick ...	21.1	0	S	3	2_o	45	85	41	6	5	-	8	Tr	9+	2500	1	*
Tynemouth ...	21.0	0	SSE	4	2_o	45	85	40	6	2	3	1	4-6	4-6	2800	1	3
St. Abbs Head	19.1	+10	SE	3	bc	44	97	44	6	5	7	-	4-6	4-6	3200	0	2
Leuchars ...	18.1	+4	SSE	3	2_o	46	92	44	5	-	7	2	0	7-8	-	1	*
Renfrew (Abbots I.)	16.0	-6	E	2	m	52	85	47	4	5	3	-	4-6	4-6	5500	1	*
Eskdalemuir ...	17.3	-4	SE	3	c	49	85	44	8	5	4	7	1	9+	1600	1	*
Point of Ayre ...	15.6	-8	S'W	4	2_o	47	92	45	6	-	7	8	0	10	-	0	4
Tiree	10.3	-6	SE'S	4	c	49	92	47	7	5	-	-	9+	9+	2600	0	5
Stornoway ...	10.9	-6	SE	6	c	51	92	49	6	5	9	-	2-3	10	3500	1	4
Dalwhinnie ...	16.7	-4	SSW	2	c	49	85	45	7	8	-	6	7-8	9+	2500	0	*
Aberdeen ...	18.7	+4	S	4	2_o	45	92	43	6	5	7	-	7-8	10	1700	1	
Wick ...	16.0	-2	ESE	3	2_o	45	92	43	6	-	2	6	0	9	-	1	*
Surburgh ..	19.2	+4	SSE	5	c	45	85	42	7	-	-	8	0	9	-	0	4
Blacksod Point	04.6	-12	SE	4	c	51	85	47	8	8	-	-	10	10	2500	0	4
Malin Head ...	08.2	0	S	4	c	53	85	49	8	5	2	-	7-8	10	1500	1	4
Aldergrove ...	12.2	-2	SE'S	4	c	51	85	46	7	5	1	-	7-8	10	2500	1	*
Birr Castle ...	07.6	-6	S	5	c	54	85	50	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	04.0	-18	SSE	5	dd	52	87	51	5	5	2	-	9+	10	1500	1	3
Roches Point	07.4	-14	SSE	5	2_o	50	87	49	6	5	-	-	10	10	800	1	5

PAST 24 HOURS.

Stations	Temperatures 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 11th Hrs. (38)
London (Kew)	59	45	31	-	Tr	2.0
Croydon ...	61	47	42	-	Tr	5.1
S. Farnborough	58	44	34	-	-	1.4
Boscombe Down	56	42	38	-	Tr	0.8
Thorney Island	57	45	39	0.1	-	*
Lympne ...	55	45	40	-	-	11.9
Manston ...	61	44	32	-	-	10.1
Shoeburyness ...	56	45	39	-	-	8.2
Felixstowe ...	54	44	41	-	-	11.6
Gorleston ...	55	43	38	-	-	11.5
Mildenhall ...	64	43	33	Tr	Tr	10.6
Cranwell ...	63	38	34	-	-	9.8
Birmingham ...	58	44	38	-	-	4.7
Upper Heyford	56	43	39	Tr	-	*
Ross-on-Wye	59	46	36	-	-	0.1
Hartland Point	62	46	46	-	-	3.9
Bristol ...	58	45	38	-	-	0.4
Portland Bill ...	48	42	*	-	-	*
Plymouth ...	56	48	46	Tr	-	1.9
The Lizard ...	53	48	*	0.1	-	2.9
Scilly (St. Mary's)	53	49	*	0.1	-	2.4
Guernsey ...						
Pembroke ...	51	41	*	0.2	-	0.8
Holyhead (Valley)	59	49	48	7	-	*
Chester (Sealand)	65	48	44	-	-	6.6
Manchester ...	64	50	46	-	-	*
Spurn Head ...	52	43	*	-	-	10.7
Catterick ...	62	44		-	-	3.3
Tynemouth ...	59	43	41	-	-	*
St. Abbs Head	58	42	*	-	-	*
Leuchars ...	57	42	39	-	-	2.1
Renfrew (Abbots I.)	56	50	44	Tr	-	0.0
Eskdalemuir ...	53	44	39	0.6	-	0.5
Point of Ayre ...	53	45	*	-	-	1.3
Tiree	52	48	*	-	-	5.4
Stornoway ...	55	47	*	0.3	-	4.0
Dalwhinnie ...	55	47	43	-	-	2.9
Aberdeen ...	57	42	40	Tr	-	3.5
Wick ...	50	45	42	-	-	*
Surburgh ..	47	43	41	-	-	1.4
Blacksod Point	62	50	*	-	-	*
Malin Head ...	65	50		-	-	5.3
Aldergrove ...	63	49	46	-	-	5.8
Birr Castle ...	61	51	50	-	-	7.8
Valentia Obsy.	58	51	50	0.1	4	
Roches Point	51	49	*	1	Tr	*

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.		
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
10907	02890	48527	59	01781	46415	5-	00671	14501	09	05590	48416
11152	62835	26268	53	02944	12125	54	02944	12225	57	02844	16227
20374	02845	16526	04	00890	16511	50	01844	16514	57	05744	16628
20653	01864	08125	04	00890	08213	51	01663	26114	07	02790	12427
21003	01990	18324	04	02890	15125	01	05690	10206	07	05690	09226
22052	03636	15528	53	01743	15614				52	05744	16625
2305-	05645	12215	54	02845	10315	5-	05645	03118	52	22755	13268
24557	02764	15327	50	02761	08125	5-	05663	06213	5-	05635	16327
26054	02865	04125	50	02865	21215	00	05590	07100	50	01761	11114
27062	21627	12358	52	21717	14458	50	01743	12453	57	05673	12318
27652	02645	32158	50	05661	00021	00	05690	17200	17	05661	14317
2855-	02747	16327									
28803	02790	16327	00	05690	12313	07	05590	13215	03	01790	18315
5754-	02955	18315	--	02864	47515	5-	02748	46458	5-	02848	12328
30113	05561	12126	00	05690	13410	00	05690	13520	03	05690	12317
32103	02790	16326	50	00761	16421	00	05690	14310	04	02790	12305
29950	05662	16212	70	01763	16303	00	00790	16300	00	05690	16300
29203	05590	12227	04	01790	11313	50	05554	10214	04	02790	12205
310											
61414	05663	18214	53	01755	16327	00	05590	12220	00	05590	12315

13h. G.M.T. 11th April			18h. G.M.T.			01h. G.M.T. 12th 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
3335-	02745	12315	00	00790	10210	04	00790	12202	08	02990	10316
334--	02663	20114									
34010	02865	16325	5-	05666	14416	00	05690	14300	00	05690	12414
13603	01890	18202	10	01762	17102	00	05690	14300	00	01790	13302
33657	02754	16328	53	02753	12416						
35088	17545	14215	7-	02767	16327	00	05590	08200	00	05690	10202
3685-	02747	12327	5-	02745	12325	50	01763	07223	03	02890	08416
3705-	02737	12247	5-	02747	14327	00	05690	12300	03	02690	45415
3907-	05567	16247	5-	05663	14223	00	05690	10200	00	05690	12201
3827-	05648	16228	5-	02856	* * *	00	05690	09100	00	05690	10314
438											
4305-	21748	12158	00	00890	10200	00	05690	07300	00	05690	07403
4095-	51408	14558	50	00731	12651	04	01790	45603	07	02890	12627

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12th 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 ...	ocm wc	cbcbz$_o$	bz$_o$Wbz$_o$		
Croydon ...	cm$_o$z$_o$	cbc	bz$_o$Wbz$_o$		
Greenwich	c	cbcb	bWzoy		
Camden Square	c	bc	*		
Kensington ..	cbc	bc	*		
Hampstead ..	b	bc	bc		

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	59	45	31	-	Tr	2.0	*	*
Croydon ...	61	47	42	-	Tr	5.1	*	*
Greenwich ...	61	42	31	-	-	3.3	63	49
Westminster ...	61	47	41	-	-		77	73
Regents Park ...								
Camden Square	63	43	37	-	-	*	*	61
Kensington ...	61	45	38	-	-		70	66
Hampstead ..	58	43	38	-	-		*	61

SECRET

BRITISH SECTION

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

Monday 13th April, 1942

No. 29362.

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)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	17·4	-20	ESE	4	c	64	55	47	8	–	–	3	0	7-8	–
	Croydon ...	18·1	-16	ESE	4	c	65	45	41	8	–	–	2	0	9+	–
	S. Farnborough	16·5	-18	SE'E	4	c	65	35	37	8	–	–	4	0	9	–
	Boscombe Down	14·9	-28	SE	6	c	62	45	39	8	–	–	8	0	7-8	–
	Thorney Island	16·6	-14	E'S	4	c	59	65	46	7	–	–	2	0	9+	–
	Lympne ...	19·5	-20	E	4	z_0	61	45	39	6	–	–	6	0	4-6	–
	Manston ...	19·8	-20	E'S	4	z_0	57	65	43	6	–	–	2	0	4-6	–
2	Shoeburyness ...	20·3	-12	E	3	c	51	75	45	6	–	–	6	0	7-8	–
	Felixstowe ...	21·4	-10	E	4	z_0	52	65	44	6	–	–	5	0	2-3	–
	Gorleston ...	23·4	-6	SE	4	z_0	46	85	42	6	–	–	–	0	0	–
	Mildenhall ...	19·9	-12	SE'E	5	c	61	55	43	8	–	–	4	0	7-8	–
	Cranwell ...	18·5	-18	SE'E	6	c	63	55	47	7	–	–	6	0	9	–
3	Birmingham ...	15·6	-18	SE	4	bc	64	35	36	7	–	–	2	0	4-6	–
	Upper Heyford	16·2	-22	SE	4	c	65	35	37	7	–	6	6	0	7-8	–
4	Ross-on-Wye	14·1	-20	SE	4	bc	67	35	40	8	–	5	4	0	4-6	–
5	Hartland Point	09·5	-12	E	4	c	61	55	44	8	5	3	–	2-3	9	2500
	Bristol ..	14·0	-22	SE	4	c	63	35	34	8	–	7	6	0	7-8	–
	Portland Bill ...	13·6	-18	E	5	c	49	92	47	7	5	–	–	10	10	4000
	Plymouth ...	10·7	-16	ESE	5	c	60	55	44	8	–	3	6	0	9	–
	The Lizard ...	09·4	-10	E	4	c	53	85	47	7	8	2	–	7-8	9+	1400
	Scilly (St. Mary's)	07·8	-6	SSE	4	c	53	85	50	7	5	2	–	7-8	10	1800
	Guernsey ...															
8	Pembroke ...	08·8	-26	SE'E	8	c	55	65	42	7	2	7	–	2-3	9	2500
	Holyhead (Valley)	10·2	-22	S	4	c	67	35	39	8	5	7	–	4-6	9+	6000
	Chester (Sealand)	13·8	-22	SE'E	4	z_0	63	45	40	6	–	9	–	0	9	–
8	Manchester ...	15·3	-22	SE	5	c	62	45	41	7	–	4	2	0	9	–
10	Spurn Head ...	20·5	-20	ESE	6	bc	46	85	43	7	–	3	8	0	4-6	–
	Catterick ...	18·0	-18	SE	5	z_0	60	55	43	6	–	3	2	0	9+	–
	Tynemouth ...	19·8	-12	SSE	5	z_0	45	85	41	6	5	–	–	7-8	7-8	2600
11	St. Abbs Head	17·4	+2	SE	6	c	44	92	43	6	5	7	–	4-6	7-8	3000
	Leuchars ...	17·1	-6	ESE	3	z_0	52	75	45	6	–	3	2	0	7-8	–
12	Renfrew (Abbots I.)	14·0	-12	ESE	2	z_0	61	65	48	5	5	2	–	7-8	10	3000
	Eskdalemuir ...	15·3	-6	SE'S	3	c	60	55	42	7	5	7	7	1	9+	2800
	Point of Ayre...	12·3	-12	S'E	6	z_0	55	75	47	6	5	4	7	2-3	9+	4000
13A	Tiree	10·2	0	SE'S	4	rr	49	97	48	7	–	2	–	10	10	1500
13B	Stornoway ...	10·8	+4	SE	4	c	53	85	48	7	5	9	–	4-6	9+	3000
15	Dalwhinnie ...	13·7	+4	SSE	4	c	55	75	47	6	5	1	–	4-6	9+	1500
	Aberdeen ...	20·0	+6	S'E	4	z_0	47	85	42	6	–	7	–	0	7-8	–
	Wick ...	15·7	+2	SE'S	4	z_0	47	92	44	6	–	9	5	0	10	–
16	Sumburgh ...	19·2	0	SSE	5	c	48	75	41	7	–	–	8	0	9	–
17	Blacksod Point	03·3	-2	SSE	4	r_0r_0	52	92	50	7	6	2	–	4-6	10	1500
18	Malin Head ...	08·0	-2	SE'E	4	rr	53	85	49	7	6	2	–	4-6	10	1500
	Aldergrove ...	10·1	-10	SE'E	4	c/r	54	75	46	6	5	7	–	2-3	9+	3500
19	Birr Castle ...	05·9	-10	S	4	ir	53	85	49	7	6	2	–	7-8	10	800
20	Valentia Obsy.	01·6	-18	SSE	5	ir_0	53	92	51	8	6	2	–	9	10	1500
	Roches Point	05·3	-10	SE	4	ir	50	97	49	6	6	2	–	7-8	10	800

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)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	14·7	-8	ENE	3	z_0	57	55	46	6	5	–	6	2-3	9	2500	1	*
	Croydon ...	15·0	-6	E	3	c	57	65	47	6	–	–	2	0	9	–	1	*
	S. Farnborough	13·7	-6	ESE	3	c	62	45	41	7	–	–	9	0	9+	–	1	*
	Boscombe Down	13·0	-10	SE	5	c	59	45	39	8	–	8	8	0	7-8	–	0	*
	Thorney Island	13·2	-16	E	4	c	60	55	46	7	–	–	6	0	9	–	0	*
	Lympne ...	16·3	-18	E	3	bc	59	45	40	8	–	–	4	0	2-3	–	1	3
	Manston ...	16·7	-14	E	4	bc	53	65	40	7	–	–	4	0	4-6	–	0	*
2	Shoeburyness ...	16·8	-14	ENE	3	bc	51	75	42	7	–	–	6	0	4-6	–	1	*
	Felixstowe ...	18·0	-12	ENE	4	bc	48	75	42	7	–	–	2	0	4-6	–	0	3
	Gorleston ...	20·2	-10	SE'E	4	bc	45	85	40	7	–	–	5	0	4-6	–	0	4
	Mildenhall ...	17·2	-12	ESE	4	bc	56	65	45	8	–	–	2	0	4-6	–	0	*
	Cranwell ...	16·0	-14	ESE	5	c	56	55	41	7	–	–	8	0	7-8	–	0	*
3	Birmingham ...	13·5	-8	ESE	4	c	59	45	38	8	–	1	2	0	7-8	–	1	*
	Upper Heyford	13·4	-10	ESE	4	z_0	58	55	41	6	–	–	8	0	7-8	–	0	*
4	Ross-on-Wye	11·5	-12	E'S	3	c	62	45	40	7	–	2	3	0	9+	–	1	*
5	Hartland Point	08·5	-6	ESE	4	c/r	55	65	42	8	5	7	7	2-3	10	3000	0	4
	Bristol ..	11·6	-14	ESE	4	c	60	45	40	7	–	7	8	0	9+	–	0	*
	Portland Bill ...	10·3	-16	E	5	c	49	92	47	8	5	–	–	10	10	2500	1	4
	Plymouth ...	09·3	-6	ESE	3	c/r	56	65	46	8	–	8	0	0	10	–	0	3
	The Lizard ...	08·8	-8	S'W	2	c	51	92	50	7	8	2	–	7-8	10	1400	1	4
	Scilly (St. Mary's)	06·8	-6	SE'S	3	cjp	51	97	50	7	8	2	–	4-6	10	1500	1	3
	Guernsey ...																	
8	Pembroke ...	08·1	-2	SE	7	c	53	65	42	7	5	1	–	7-8	10	2500	0	3
	Holyhead (Valley)	08·5	-6	S	4	c	63	35	37	8	5	9	–	4-6	10	4500	1	4
	Chester (Sealand)	10·7	-18	ESE	5	z_0	62	45	41	6	–	2	–	0	9+	–	0	*
8	Manchester ...	13·1	-12	SE	5	c	61	45	37	7	–	4	2	0	7-8	–	0	*
10	Spurn Head ...	18·7	-10	SE'E	7	cq	45	85	42	7	–	3	3	0	4-6	–	0	5
	Catterick ...	16·7	-2	SSE	3	c	54	55	39	8	–	4	2	0	7-8	–	0	*
	Tynemouth ...	18·3	-4	SE	6	bc	44	75	38	7	5	3	2	2-3	4-6	2500	1	5
11	St. Abbs Head	14·9	-4	SE	8	c	43	85	39	7	5	7	–	7-8	9	3000	0	5
	Leuchars ...	15·9	-2	E	3	c	46	85	40	7	–	7	–	0	9	–	0	*
12	Renfrew (Abbots I.)	11·5	+6	ENE	4	z_0	55	65	45	6	5	7	–	1	10	4000	1	*
	Eskdalemuir ...	13·3	-8	E'N	3	c	55	65	42	7	5	2	7	2-3	9+	2200	1	*
	Point of Ayre...	10·7	-4	SSE	5	c	52	85	47	7	5	2	–	4-6	10	4500	0	4
13A	Tiree	08·1	-2	SSE	4	d_0d_0	51	85	47	7	5	–	–	9+	9+	1800	1	4
13B	Stornoway ...	09·6	-10	E	5	c	53	85	50	7	5	7	5	4-6	10	3000	1	1
15	Dalwhinnie ...	12·5	-2	SSE	4	c	47	75	36	7	7	5	–	4-6	9+	2500		
	Aberdeen ...	19·2	-4	S	2	z_0	44	85	39	6	–	9	–	0	7-8	–	0	3
	Wick ...	16·1	+4	SSE	6	z_0	45	85	39	6	–	7	1	0	9+	–	1	*
16	Sumburgh ...	20·1	+8	SSE	6	c	45	85	39	8	–	–	8	0	7-8	–	0	4
17	Blacksod Point	00·6	-10	SE	5	rr	51	92	49	7	6	2	–	4-6	10	1500	1	5
18	Malin Head ...	05·1	-10	E'S	5	c/r	56	65	45	7	5	1	–	7-8	10	4000	1	3
	Aldergrove ...	07·6	-16	SE'E	5	z_0	57	55	46	6	5	2	–	9	10	5700	1	*
19	Birr Castle ...	03·8	-8	S	3	c	53	85	49	7	5	2	–	7-8	10	1500	1	*
20	Valentia Obsy.	01·0	+2	S'E	5	c/d	53	92	51	8	5	3	3	4-6	9+	1500	1	3
	Roches Point	04·0	-2	SE'S	5	ir_0	50	97	49	6	6	2	–	7-8	10	800	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 12th (39)	12h.—18h. 12th (40)	18h. 12th to 1h. 13th (41)	1h.—7h. 13th (42)
1	London (Kew)	bcbcy	bccz$_0$y	cbz$_0$	bcz$_0$
	Croydon ...	bcc	cycm$_0$	cz$_0$bcy	bcyc
	S. Farnborough	bcm$_0$cy	cbcbcy	bbcz$_0$	bcz$_0$c
	Boscombe Down	b,bcy	bcy	bcm$_0$	c
	Thorney Island	bccy	cctty	cbbcz$_0$	bcz$_0$bc
	Lympne ...	bbcz$_0$y	bcz$_0$bcy	bcyb	bbccz$_0$
	Manston ...	bbcz$_0$	bcz$_0$ybc	bcbz$_0$	bbcz$_0$
2	Shoeburyness ...	bm$_0$bcm$_0$	cm$_0$bcm$_0$	bbcm$_0$	bcbm$_0$
	Felixstowe ...	bz$_0$	bcm$_0$bc	bcbbm$_0$	bm$_0$cm$_0$
	Gorleston ...	bz$_0$	bbcz$_0$	cm$_0$	bz$_0$w
	Mildenhall ...	bccz$_0$	cbc	bc	bcm$_0$w
	Cranwell ...	bcc	cbc	bcbyb	bbcm$_0$
3	Birmingham ...	bc	bcc	cbc	bcc
	Upper Heyford	bcm$_0$bc	bcyz$_0$y	ybcz$_0$	bcz$_0$cz$_0$
4	Ross-on-Wye	cby	bcycy	cy	c
5	Hartland Point	cy	ytiRc	c	cir$_0$0
	Bristol ..	cy	cy	cycyz$_0$	cyz$_0$
	Portland Bill ...	c	c	c	c
	Plymouth ...	cv	cyc	cbccm$_0$	cirfd$_0$
	The Lizard ...	c	c	ocpr$_0$	orffe
	Scilly (St. Mary's)	c	c	c	cF
	Guernsey ...				
8	Pembroke ...	cq	cqpr	c	ir$_0$
	Holyhead (Valley)	cy	cy	cypr$_0$r$_0$	cir$_0$
	Chester (Sealand)	cz$_0$y	cz$_0$y	cz$_0$y	cz$_0$
8	Manchester ...	bccy	cbcy	cz$_0$bc	cbcz$_0$
10	Spurn Head ...	bc	bcq	bcq	bcq
	Catterick ...	cm$_0$bccm$_0$y	bcycy	bcbm$_0$w	cm$_0$cmu
	Tynemouth ...	bccm$_0$	cbc	bcbq	bcm$_0$
11	St. Abbs Head	bcm$_0$	cm$_0$	bcm$_0$cm$_0$	om
	Leuchars ...	cbcm$_0$	bcm$_0$c	cbccm$_0$	cm$_0$
12	Renfrew (Abbots I.)	bcmcz$_0$	bcm$_0$cz$_0$	cz$_0$	cz$_0$
	Eskdalemuir ...	cbcc	c	c	c
	Point of Ayre...	cz$_0$	c	cz$_0$	c
13A	Tiree	coidr	cd$_0$	odr	orrdr
13B	Stornoway ...	c	cpr$_0$	c	c
15	Dalwhinnie ...	c	c		c
	Aberdeen ...	cbccz$_0$	cbcz$_0$	bcbz$_0$	cz$_0$
	Wick ...	bcm$_0$c	cm$_0$	cm$_0$	om$_0$
16	Sumburgh ...	c	c	cbc	bcc
17	Blacksod Point	r	r	bc	bc
18	Malin Head ...	r	r	r	r
	Aldergrove ...	ccir$_0$ir	cir$_0$z$_0$cy	irir$_0$r$_0$m$_0$	r$_0$r$_0$m$_0$
19	Birr Castle ...	r	bc	*	bc
20	Valentia Obsy.	r	r	bc	
	Roches Point	r	r	r	d

7 Cirk.

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate to fresh southeast winds. Fine today, mainly cloudy tomorrow especially in the East: rather mild inland today, cool on the coast. Lower temperatures inland tomorrow.
4 W. Midlands	Light to moderate southeast winds; fair: mild.
5 S.W. England 6 South Wales 7 North Wales	Mainly light southerly winds. Cloudy to dull with some light rain or drizzle; fairer periods tomorrow. Some hill and local coast fog: rather mild.
8 N.W. England	As 4.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate southeast winds; some bright periods to-day, cloudy tomorrow. Cool on coast to-day and generally tomorrow.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Light to moderate south to southeast winds. Cloudy; local light rain to-day; mainly mild.
14 Mid Scotland 15 N.E. Scotland ↓	Fresh or strong southeast winds, gale on coast at first. Cloudy or dull; rather cold.
16 Orkneys and Shetlands ↓	As 14-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light southerly to variable wind. Mainly cloudy in the East with some light rain or drizzle. Fairer periods in the West at first; rather mild.

GENERAL INFERENCE

Pressure is high to eastward of the British Isles. There is a shallow depression westward of Ireland and an associated indefinite trough covers our Southwest districts. Weather will be fair in many eastern districts but there will be some rain or drizzle in the West and Southwest, although amounts will be small.

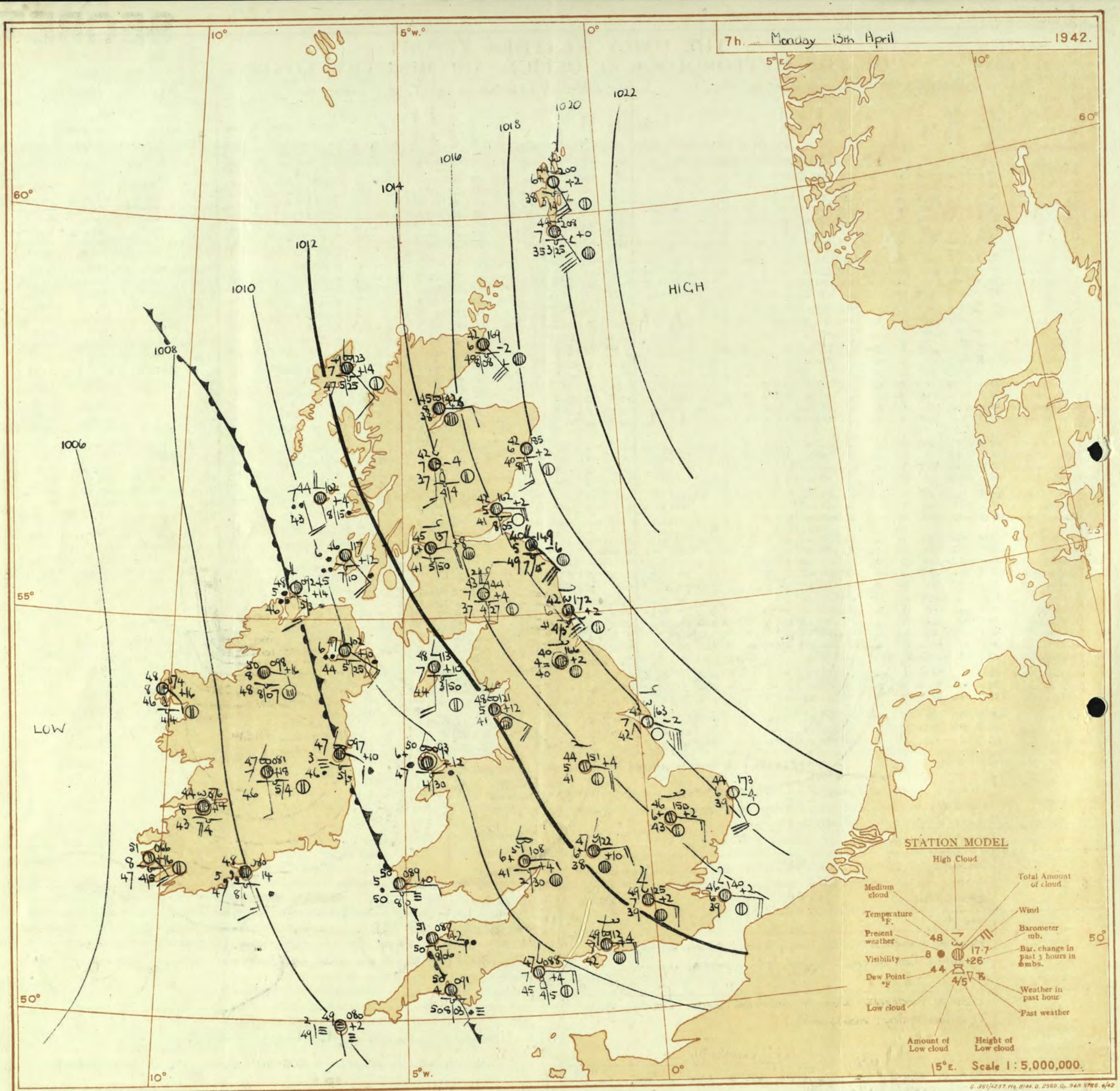
FURTHER OUTLOOK

Probably continuing dry in eastern districts.

↓ Gale warning in operation in districts 15 & 16, issued 1915. 12.4.42.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

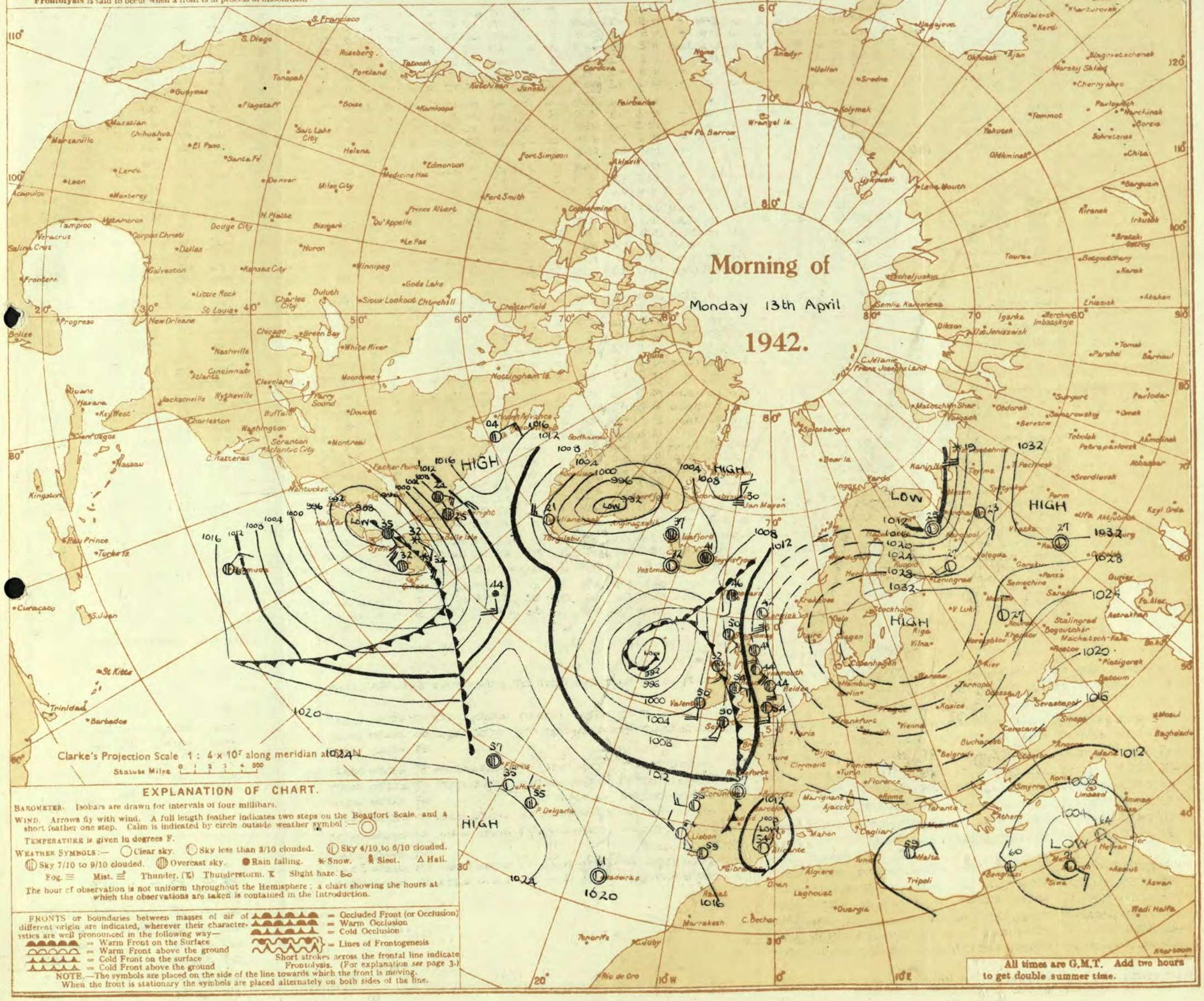
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 13th April 1942

No. 20362.

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	13·6	-6	SE	4	bc	54	55	38	7	-	4	2	0	4-6	-
	S. Farnborough	226	12·0	-6	SE'E	3	Z_0	51	65	40	6	-	-	6	0	7-8	-
	Boscombe Down	417	11·7	-4	SE'E	4	bc	51	65	39	6	5	7	8	1	4-6	3000
	Thorney Island	10	11·6	-6	E	3	Z_0	53	75	46	6	-	7	-	0	4-6	-
	Lympne ...	283	15·3	-2	E	4	b	51	65	39	7	-	-	-	0	0	-
	Manston ...	154	15·0	-12	ESE	4	Z_0	48	65	40	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	16·1	-2	ESE	5	Z_0	47	85	43	6	-	-	-	0	0	-
	Gorleston ...	5	17·2	-12	SSE	6	Z_0	44	92	42	6	-	-	-	0	0	-
	Mildenhall ...	15	15·0	-6	ESE	4	bc	47	85	44	7	-	7	-	0	2-3	-
	Cranwell ...	203	15·3	-2	ESE	5	b	44	85	41	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·4	-6	E	4	Z_0	49	75	40	6	-	7	8	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·8	+4	SE	2	c	51	75	45	7	5	1	-	7-8	10	1500
	Bristol ...	209	10·9	-6	SE'S	3	Z_0	55	65	40	6	5	1	-	1	9+	1500
	Portland Bill ...	32	09·7	-4	ESE	4	c	46	92	44	7	5	-	-	10	10	2500
	Plymouth ...	82	09·4	+2	SE	2	Z_0	50	92	48	6	5	-	-	10	10	900
	The Lizard ...	240	08·8	0	WSW	2	pr	50	97	50	4	8	2	-	7-8	9+	1000
	Scilly (St. Mary's)	163	08·0	0	SSW	3	c	50	97	49	7	5	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	09·1	+2	SE	3	c	49	85	45	7	5	2	-	7-8	10	2500
7	Holyhead (Valley)	32	08·6	-8	E'S	3	c/r	54	75	47	7	-	2	-	0	10	-
	Chester (Sealand)	16	12·1	-2	SE'E	2	Z_0	51	65	40	6	-	7	-	0	10	-
8	Manchester ...	235	12·8	-2	E	4	c	49	75	40	7	-	7	-	0	10	-
10	Spurn Head ...	29	16·3	-16	SE'E	6	bc	44	97	43	7	-	3	-	0	2-3	-
	Catterick ...	175	17·5	-6	-	0	Z_0	40	92	39	6	5	4	2	2-3	4-6	1200
	Tynemouth ...	108	18·1	-6	SE	6	bq	42	92	40	7	-	-	-	0	0	-
11	St. Abbs Head	280	15·5	-2	SE	7	Z_0	41	97	40	6	5	-	-	10	10	1500
	Leuchars ...	36	16·5	+8	SE	4	Z_0	42	92	40	6	5	2	-	7-8	9	3500
12	Renfrew (Abbots L.)	19	13·4	+10	ENE	3	Z_0	48	65	39	5	5	7	-	7-8	10	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	11·5	+8	S	5	Z_0	48	85	44	6	6	2	-	4-6	10	2600
13A	Tiree ...	22	09·0	+8	SSE	4	rr	47	97	46	7	-	2	-	10	10	1500
13B	Stornoway ...	80	10·4	+12	SE	2	c	50	92	47	7	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·4	+2	SSE	4	Z_0	41	92	38	6	5	-	-	10	10	600
	Wick ...	114	16·9	+4	SE	7	Z_0	42	85	38	6	5	7	-	2-3	10	4000
16	Sumburgh ...	19	21·1	+10	SSE	7	bc	42	85	37	7	-	3	-	0	2-3	-
17	Blacksod Point	18	05·1	+28	S	4	bc	50	85	46	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	84	07·3	+14	SE'S	3	c	52	75	44	8	6	2	-	4-6	10	2500
	Aldergrove ...	268	09·1	+6	SE'E	4	r_0r_0	49	85	44	6	5	2	-	9	10	5100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·2	+6	S'E	4	bc	50	92	48	8	5	-	-	4-6	4-6	1500
	Roches Point	22	06·5	+10	S	4	o/f	50	97	49	7	5	-	-	10	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)	12·4	0	E'N	3	Z_0	49	65	39	5	-	-	6	0	9+	-	1	*
Croydon ...	12·5	+2	ESE	3	c	49	65	39	7	-	4	6	0	9+	-	1	*
S. Farnborough	11·5	+4	ESE	3	c	49	65	38	7	-	7	-	0	9+	-	0	*
Boscombe Down	11·2	+10	SE'E	2	c	49	75	40	8	-	7	-	0	9+	-	0	*
Thorney Island	11·2	+4	E	4	c	49	75	41	7	-	7	2	0	9	-	0	*
Lympne ...	14·5	-2	E	3	Z_0	46	75	39	6	-	-	9	0	9+	-	1	4
Manston ...	14·0	+2	ESE	4	Z_0	46	75	39	6	-	-	6	0	7-8	-	1	*
Shoeburyness ...	14·4	-4	ESE	4	bc	47	85	42	6	-	5	4	0	4-6	-	0	*
Felixstowe ...	15·4	-2	E'S	5	Z_0	46	85	41	6	-	-	2	0	7-8	-	0	3
Gorleston ...	17·3	-4	SSE	6	Z_0	44	85	39	6	-	-	2	0	2-3	-	0	5
Mildenhall ...	15·0	+2	ESE	3	Z_0	46	85	43	6	-	-	2	0	4-6	-	0	*
Cranwell ...	15·1	+4	ESE	4	Z_0	44	92	41	5	-	-	5	0	4-6	-	0	*
Birmingham ...	12·7	+4	ESE	3	Z_0	48	75	40	5	-	1	-	0	10	-	1	*
Upper Heyford	12·2	+10	E	3	Z_0	47	75	38	6	-	9	-	0	9+	-	0	*
Ross-on-Wye	10·8	+4	E	1	Z_0	51	75	41	6	5	7	-	1	10	3000	1	*
Hartland Point	08·7	+2	ESE	1	o/r	51	97	50	6	5	-	-	10	10	600	0	3
Bristol ...	11·0	+10	S'E	1	Z_0	50	75	41	6	-	3	7	0	9+	-	0	*
Portland Bill ...	08·8	+4	E	3	c	47	92	45	7	2	4	-	4-6	7-8	2500	1	4
Plymouth ...	09·1	+2	SE	1	m/f	50	97	50	4	5	-	-	10	10	300	1	1
The Lizard ...	08·4	0	E'N	1	rf	49	97	49	2	5	-	-	10	10	400	1	4
Scilly (St. Mary's)	08·0	+2	S'E	2	f+	49	97	49	2	-	-	-	10	10	<150	1	3
Guernsey ...																	
Pembroke ...	08·8	+4	E'N	2	F	49	97	48	1	-	-	-	10	10	<150	1	2
Holyhead (Valley)	09·3	+12	-	0	ir	50	92	47	6	5	7	-	4-6	10	3000	1	3
Chester (Sealand)	11·9	+10	SE'S	2	Z_0	49	75	41	5	-	7	-	0	10	-	0	*
Manchester ...	12·2	+4	E	4	Z_0	47	75	40	6	-	7	2	0	9	-	0	*
Spurn Head ...	16·3	-2	SE'E	7	bcq	43	97	42	7	-	3	8	0	4-6	-	0	5
Catterick ...	16·6	+2	-	0	m	40	97	40	4	-	-	2	0	9	-	1	*
Tynemouth ...	17·2	+2	SE	5	Z_0	42	97	41	6	5	3	1	4-6	7-8	2500	1	4
St. Abbs Head	14·9	-6	SE	6	c	40	97	39	5	5	2	-	9+	10	1500	1	4
Leuchars ...	16·2	+2	E	5	Z_0	42	97	41	5	5	-	-	10	10	500	1	*
Renfrew (Abbots L.)	13·7	+8	E'N	4	Z_0	45	85	41	6	5	-	8	7-8	10	5000	1	*
Eskdalemuir ...	14·4	+4	N'E	2	c	43	85	37	7	5	2	7	4-6	9+	2700	1	*
Point of Ayre ...	11·3	+10	S	4	c	48	85	44	7	5	1	-	2-3	10	5000	0	4
Tiree ...	10·2	+4	SSE	4	r_0r_0	44	97	44	7	-	2	-	10	10	1500	1	5
Stornoway ...	12·3	+14	SE	2	c	49	92	47	7	5	7	-	7-8	10	2500	1	1
Dalwhinnie ...	14·1	-4	S	3	c	42	75	37	7	8	4	-	4-6	9+	1500	0	*
Aberdeen † ...	13·5	+2	S'E	3	Z_0	42	92	40	6	5	-	-	10	10	1700	1	2
Wick ...	16·9	-2	SE'S	6	Z_0	42	92	40	6	5	-	-	10	10	800	1	*
Sumburgh ...	20·8	0	SE'S	7	c	44	85	40	7	5	-	8	2-3	9	2500	0	5
Blacksod Point	07·4	+16	SE	1	c	48	92	46	8	8	-	5	4-6	9	1500	1	2
Malin Head ...	09·2	+14	SSE	3	rr	48	92	46	5	6	2	-	7-8	10	800	2	3
Aldergrove ...	10·2	+10	ESE	3	r_0r_0	47	85	44	6	5	2	-	7-8	10	2500	1	*
Birr Castle ...	08·1	+18	S'E	1	c	47	97	46	7	5	7	-	7-8	9	1500	1	*
Valentia Obsy.	06·6	+16	SE	3	bc	51	85	47	8	5	-	-	4-6	4-6	2500	1	3
Roches Point	08·0	+14	S'E	3	dd	48	97	47	5	5	-	-	10	10	220	1	5

PAST 24 HOURS.

Stations	Temperature Max Day 7h-18h °F	Temperature Min Night 18h-7h °F	Min. on Grass °F	Rainfall Day 7h-18h mm.	Rainfall Night 18h-7h mm.	Sunshine 12th Hrs.
London (Kew)	65	47	39	-	-	10·0
Croydon ...	67	47	44	-	-	8·6
S. Farnborough	67	48	39	-	-	11·1
Boscombe Down	64	47	44	-	-	5·6
Thorney Island	63	48	39	-	-	*
Lympne ...	63	44	41	-	-	0·8
Manston ...	57	45	42	-	-	11·8
Shoeburyness ...	54	45	38	-	-	11·2
Felixstowe ...	53	44	41	-	-	11·0
Gorleston ...	48	42	39	-	-	11·6
Mildenhall ...	63	44	36	-	Tr	11·1
Cranwell ...	64	41	38	-	-	10·7
Birmingham ...	65	47	44	-	-	7·0
Upper Heyford	66	47	44	-	-	*
Ross-on-Wye	67	50	45	-	-	7·1
Hartland Point	64	50	49	0·4	Tr	0·3
Bristol ...	65	49	43	-	-	4·2
Portland Bill ...	49	44	*	-	-	*
Plymouth ...	61	49	48	Tr	-	6·2
The Lizard ...	54	48	*	-	1	2·0
Scilly (St. Mary's)	54	48	*	-	-	1·2
Guernsey ...						
Pembroke ...	56	41	*	Tr	0·6	2·3
Holyhead (Valley)	68	49	34	-	1	*
Chester (Sealand)	66	48	45	-	-	2·6
Manchester ...	65	47	44	-	-	*
Spurn Head ...	46	43	*	-	-	
Catterick ...	61	38	31	-	-	8·4
Tynemouth ...	49	41	*	-	-	*
St. Abbs Head	49	41	*	-	-	*
Leuchars ...	54	41	39	-	-	5·0
Renfrew (Abbots L.)	63	44	43	-	-	0·0
Eskdalemuir ...	61	39	36	-	-	6·2
Point of Ayre ...	58	47	*	-	-	1·1
Tiree ...	53	44	*	9	2	0·0
Stornoway ...	57	48	*	Tr	-	0·0
Dalwhinnie ...	55	39	36	-	-	2·9
Aberdeen † ...	49	40	38	-	-	2·9
Wick ...	49	41		-	-	*
Sumburgh ...	58	42	40	-	-	9·0
Blacksod Point	54	47	*	2	2	0·0
Malin Head ...	57	48		1	3	
Aldergrove ...	57	46	44	0·4	2	0·2
Birr Castle ...	55	43	39	3	-	0·0
Valentia Obsy.	54	49	44	11	-	*
Roches Point	51	43	*	7	0·5	*

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.			
IIIII	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	00	15590	47615	57	05674	45626	5-	14638	45728	5-	05638	45628			
115	57	02735	12428	52	02735	14328	52	02735	14428						
203				07	02890	08425	5-	03840	12318						
206	07	02790	45428	57	02764	14426	97	02862	16125	07	02890	06228			
210	07	02790	45527	07	02790	46828	07	02690	48628	57	02741	09228			
220	52	02645	15628	52	05654	14428				52	04645	16468			
230	57	02765	12268	57	05664	10328	5-	02758	12268	57	02865	10368			
245	04	05690	11414	50	02731	10416	5-	02738	12428	5-	05638	10328			
260	57	02764	10217	57	02772	07418	07	05690	11624	57	05555	04228			
278	57	05673	43468	57	05672	12428	5-	02649	43468	52	01763	10368			
279	57	05662	08427	57	05664	07326	57	05664	06518						
285										5-	08428	10428			
288	00	02790	12417				00	17690	28202	00	05690	16315			
575	52	22737	12268	57	02831	12268	5-	02837	14227	5-	02838	10128			
301	03	02690	12726	51	05664	12528	07	05690	10428	07	05590	10528			
321	00	02790	14528	00	01890	43524	00	05690	06110	00	05690	08126			
299	44	01763	14414	47	02764	12415	00	00790	12400	54	05653	12414			
292	00	05690	10426	00	02890	10525	04	05690	10302	00	05690	07117			
310															
614	00	05690	10327	04	02790	11325	04	05690	07314	07	05690	07325			

13h. G.M.T. 12th April				18h. G.M.T.				01h. G.M.T. 13th April				07h. G.M.T.			
IIIII	$C_L C_M$	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
333	10	02974	10527	52	02965	12528	07	02890	08268	52	60664	12268			
334															
340	09	17690	12515	07	03790	12528	07	06690	10428	07	02790	10428			
136	00	02890	12417	00	02890	12515	00	00790	10410	00	05690	10403			
336										52	01742	12315			
350	01	05690	09334	07	02790	19527	07	05690	08424	07	05690	08427			
368	07	02890	09527	57	02761	12527	56	22765	07327	07	02790	08227			
379	00	01790	45525	07	05690	12426				07	02790	10226			
390	30	05690	10415	00	05690	09415	00	05690	09414	00	02790	12417			
382	00	02790	12526	00	05690	10316	00	05690	10410	09	05690	09227			
438	57	02654	08415												
430	00	02790	43516	00	02790	41526	07	02790	08515	07	02690	07427			
409	03	02890	44726	57	02774	12[illegible]	52	60616	16228	09	02890	39427			
										52	60612	15768			

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th 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 ...	bcbcy	bcczoy	cbzbc	Kew 24 hours ended 7h. Max. Time 0·4 7h on 12th. Min. Time <0·1 12-13h on 12th
Croydon ...	bcc	cycmo	czbcyc	
Greenwich ...	bbcy	bcby	bbcw	
Camden Square	c	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	bc	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	65	47	39	-	-	10·0	*	*
Croydon ...	67	47	44	-	-	8·6	*	*
Greenwich ...	65	45	35	-	-	9·9	52	61
Westminster ...	65	47	43	-			53	74
Regent's Park	65	47	41	-	-		45	63
Camden Square	65	46	38	-	-	*	*	65
Kensington ...	67	46	40	-	-		60	69
Hampstead ...	63	44	39	-	-		*	69

SECRET

Page 1

BRITISH SECTION

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

Tuesday 14th April 1942

No. 29363

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)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12.5	0	NE'E	4	z_0	56	55	42	6	5	4	7	4-6	9+	4000
	Croydon ...	12.3	-2	ENE	4	z_0	57	65	45	6	-	4	7	0	10	-
	S. Farnborough	11.5	0	ESE	3	c	60	55	42	7	-	8	7	0	9+	-
	Boscombe Down	11.2	+2	SE'E	4	c	59	55	43	7	-	3	8	0	9	-
	Thorney Island	12.4	+2	E	5	c	56	65	43	7	-	-	6	0	7-8	-
	Lympne ...	13.4	-14	E'N	4	c	58	45	38	7	-	-	8	0	7-8	-
	Manston ...	13.5	-6	E'N	4	z_0	52	65	41	6	-	-	2	0	4-6	-
2	Shoeburyness ...	14.2	+2	E'N	3	c	51	75	43	6	-	-	6	0	7-8	-
	Felixstowe ...	15.6	-2	E'N	4	z_0	51	75	42	6	-	-	2	0	7-8	-
	Gorleston ...	17.3	0	SE'S	4	z_0	46	85	43	6	-	-	1	0	2-3	-
	Mildenhall ...	14.6	-2	ESE	5	bc	57	65	45	7	-	-	2	0	4-6	-
	Cranwell ...	14.3	-4	E'S	6	bc	57	55	43	7	-	-	8	0	4-6	-
3	Birmingham ...	12.0	0	ESE	3	c	58	55	43	6	-	8	7	0	9+	-
	Upper Heyford	11.9	0	E'S	3	z_0	57	55	42	6	-	8	8	0	9+	-
4	Ross-on-Wye	11.1	0	E	3	z_0	60	55	44	6	-	4	2	0	9	-
5	Hartland Point	10.2	+6	NE	2	rF	50	97	49	1	-	-	-	10	10	<150
	Bristol ..	11.4	+2	SE	2	c	61	55	43	7	-	8	8	0	9	-
	Portland Bill ...	10.5	+12	E	4	c	49	85	45	7	2	4	1	4-6	9	4000
	Plymouth ...	10.2	-2	E	2	ir_0	55	92	53	5	6	1	-	2-3	9+	2400
	The Lizard ...	10.2	+4	ESE	2	f-	52	97	52	3	5	-	-	10	10	500
	Scilly (St. Mary's)	10.0	+10	SE'S	1	c	54	97	52	5	5	5	-	7-8	9+	200
	Guernsey ...															
6	Pembroke ...	11.0	+12	E'N	3	rf	50	97	49	2	-	-	-	10	10	<150
7	Holyhead (Valley)	10.4	+6	W	2	z_0	60	55	45	6	-	3	-	0	9	-
	Chester (Sealand)	11.9	+2	ESE	4	z_0	58	55	44	6	-	7	-	0	9+	-
8	Manchester ...	12.3	-6	E'N	4	z_0	60	55	45	6	-	7	6	0	9+	-
10	Spurn Head ...	16.9	+2	ESE	7	beq	45	92	43	6	-	-	8	0	4-6	-
	Catterick ...	16.7	+2	SSE	3	z_0	55	65	42	6	-	-	8	0	9+	-
	Tynemouth ...	18.5	+8	SE	5	c	45	85	39	6	5	3	2	4-6	7-8	2200
11	St. Abbs Head	16.4	+2	SE	7	o	42	92	40	5	5	2	-	9+	10	1500
	Leuchars ...	18.6	+10	E	4	z_0	45	85	41	6	5	-	-	10	10	1000
12	Renfrew (Abbots I.)	15.0	+2	E'N	4	z_0	53	65	43	6	5	1	-	7-8	10	3000
	Eskdalemuir ...	14.8	+6	E	3	c	57	55	39	7	5	7	7	4-6	9+	2700
	Point of Ayre...	12.3	0	SSE	4	z_0	51	85	46	6	5	1	-	4-6	10	5000
13A	Tiree	14.0	+18	SE'E	1	c	51	85	46	7	5	-	-	9+	9+	2500
13B	Stornoway ...	15.7	+18	SSE	4	c	50	92	47	7	5	1	-	4-6	10	1500
15	Dalwhinnie ...	17.4	+10	S	3	c	52	65	42	7	8	-	9	4-6	9+	2500
	Aberdeen ...	21.2	+12	SSE	4	z_0	44	85	40	6	5	-	-	10	10	1100
	Wick ...	18.8	+10	SE'S	6	z_0	44	85	41	6	5	1	-	9	9+	800
16	Sumburgh ...	22.7	+14	SSE	6	c	45	85	41	7	5	-	-	9+	10	1500
17	Blacksod Point	11.4	+20	-	0	bc	59	65	50	9	8	-	6	2-3	4-6	2500
18	Malin Head ...	12.2	+18	E'N	3	z_0	48	92	46	6	6	2	-	4-6	10	800
	Aldergrove ...	13.0	+14	SE'E	1	c/r	49	92	46	6	5	7	-	9	9+	2000
19	Birr Castle ...	10.7	+14	S	1	c	57	75	51	8	5	3	-	7-8	9+	2500
20	Valentia Obsy.	09.2	+14	SE	2	c	58	65	47	9	2	-	-	7-8	7-8	2500
	Roches Point	10.5	+10	SSE	3	c	51	92	49	8	3	3	3	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 13th 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)	°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)	12.7	+2	ENE	5	z_0	57	45	38	6	1	3	2	Tr	9	4000	1	•
	Croydon ...	12.7	+2	NE'E	3	z_0	58	55	43	6	-	8	2	0	9+	-	1	•
	S. Farnborough	12.4	+6	ENE	3	z_0	57	55	43	6	-	8	9	0	7-8	-	0	•
	Boscombe Down	12.2	+8	E	3	z_0	58	55	45	6	-	-	9	0	7-8	-	0	•
	Thorney Island	11.4	0	E	2	c	59	65	48	8	-	8	6	0	9+	-	0	•
	Lympne ...	13.0	0	ENE	3	c	59	55	40	6	-	8	8	0	7-8	-	0	4
	Manston ...	13.1	+2	ENE	4	z_0	55	65	42	6	-	-	6	0	9	-	0	•
2	Shoeburyness ...	14.1	+2	NE'E	4	z_0	51	75	44	7	-	-	6	0	7-8	-	0	•
	Felixstowe ...	14.9	-2	ENE	4	z_0	49	75	42	6	-	-	6	0	9	-	0	3
	Gorleston ...	17.0	-4	ESE	5	z_0	46	85		6	-	-	8	0	4-6	-	0	5
	Mildenhall ...	14.9	+6	E	5	c	58	65	47	7	-	-	2	0	9+	-	0	•
	Cranwell ...	15.9	+12	E'N	5	z_0	50	75	44	6	-	-	6	0	9+	-	0	•
3	Birmingham ...	13.8	+10	E	3	c	56	55	41	7	-	9	-	0	9	-	1	•
	Upper Heyford	13.2	+8	E'N	3	z_0	55	55	39	6	-	9	8	0	9	-	0	•
4	Ross-on-Wye	12.5	+10	E	2	z_0	58	65	45	6	-	4	6	0	7-8	-	1	•
5	Hartland Point	11.9	+12	N	1	F+	49	97	48	1	-	-	-	10	10	<150	1	3
	Bristol ..	11.7	+4	SSE	1	z_0	60	55	46	6	-	7	8	0	9+	-	0	•
	Portland Bill ...	11.0	+6	E	4	o	49	92	47	7	5	-	-	10	10	2500	1	4
	Plymouth ...	12.4	+10	-	0	z_0	50	97	49	5	-	7	-	0	10	-	1	2
	The Lizard ...	12.5	+10	-	0	pr	50	97	50	6	8	2	-	7-8	10	1000	1	
	Scilly (St. Mary's)	11.8	+10	SSE	2	cjf	50	92	48	5	5	7	-	7-8	10	200	1	3
	Guernsey ...																	
6	Pembroke ...	12.8	+6	N'E	2	ir_0	50	92	49	5	5	-	-	10	10	5000	1	2
7	Holyhead (Valley)	13.0	+14	NW	2	ir_0	52	75	46	6	-	7	7	0	10	-	1	3
	Chester (Sealand)	13.4	+12	ESE	4	z_0	60	45	39	6	-	7	9	0	7-8	-	0	•
8	Manchester ...	14.3	+14	E	4	c	55	65	42	6	-	7	6	0	9	-	0	•
10	Spurn Head ...	17.8	+4	E'S	6	cq	44	97	43	6	5	7	8	4-6	9	4000	0	5
	Catterick ...	19.6	+20	ESE	3	z_0	47	75	40	6	5	-	-	9+	9+	1700	0	•
	Tynemouth ...	20.9	+14	SE	5	c	42	92	40	6	5	-	-	9	9	2200	1	4
11	St. Abbs Head	19.8	+12	SE	6	o	40	97	40	5	5	2	-	9+	10	1500	0	4
	Leuchars ...	21.3	+16	E	4	z_0	42	92	39	6	5	-	-	10	10	900	1	•
12	Renfrew (Abbots I.)	21.5	+18	ENE	4	z_0	47	85	43	6	-	9	-	0	7-8	-	1	•
	Eskdalemuir ...	17.8	+16	ENE	3	c	48	65	39	6	5	7	8	2-3	9+	2700	1	•
	Point of Ayre...	14.6	+14	SE'S	2	z_0	50	85	46	6	-	4	5	0	2-3	-	0	3
13A	Tiree	16.4	+12	NE'N	1	c	49	85	45	7	5	3	-	2-3	7-8	2500	0	3
13B	Stornoway ...	18.4	+14	NE	3	c	50	92		7	5	2	-	4-6	9+	3000	1	1
15	Dalwhinnie ...	21.3	+18	SSE	4	c	43	75	37	7	8	4	9	4-6	9+	1500	0	•
	Aberdeen ...	23.6	+8	S'E	4	z_0	41	85	37	6	5	-	-	10	10	1100	1	3
	Wick ...	21.5	+14	SE	6	z_0	42	85	39	6	5	2	-	9	10	900	0	•
16	Sumburgh ...	24.8	+16	SSE	6	z_0	42	85	38	6	5	-	-	10	10	900	0	5
17	Blacksod Point	14.0	+18	N'W	2	bejp	55	85	51	8	8	-	6	2-3	4-6	2500	0	3
18	Malin Head ...	14.9	+16	E	2	rpr	47	92	45	5	6	2	-	2-3	10	800	1	2
	Aldergrove ...	14.5	+10	-	0	ir_0	54	85	46	6	5	-	-	10	10	3500	1	•
19	Birr Castle ...	12.8	+12	SE	1	c	57	75	50	8	5	7	-	7-8	9	2500	1	•
20	Valentia Obsy.	12.2	+18	WNW	2	c/pr	52	85	48	8	8	4	3	4-6	7-8	2500	1	2
	Roches Point	12.7	+10	S'E	3	c	51	92	49	8	2	3	5	1	7-8	2500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 13th (39)	Weather. 13h.—18h. 13th (40)	Weather. 18h. 13th—1h. 14th (41)	Weather. 1h.—7h. 14th (42)
1	London (Kew)	cz_0y	cz_0y	$cybcbz_0$	$bbcwz_0$
	Croydon ...	$cycz_0$	cz_0cz_0y	cz_0bcm	bm_0w
	S. Farnborough	ccy ⊕	cz_0y	bz_0	bm_0wbcm
	Boscombe Down	c	bcey	$cbcbz_0$	bm_0
	Thorney Island	c	c	$bcbz_0$	b
	Lympne ...	fz_0 ⊕y	cm_0zcy	cz_0y⊕b	b
	Manston ...	$becbcz_0$	$bccz_0y$	$bcz_0bz_0m_0$	bm_0
2	Shoeburyness ...	bcm_0	bcm_0cm_0	bcm_0	$bcbwm_0$
	Felixstowe ...	cm_0bcm_0	bcm_0c	cm_0bm_0	bm_0
	Gorleston ...	$bbcz_0$	bcm_0	cm_0	bz_0
	Mildenhall ...	cbc	bcc	bcm_0	bm_0w
	Cranwell ...	bcz_0bc	$bcycz_0$	$bcbm_0$	$bmbcbm_0$
3	Birmingham ...	bc	c	cbc	bcm
	Upper Heyford	cz_0z_0y	cz_0z_0y	$cbcbz_0$	bm_0
4	Ross-on-Wye	ccy	bcysy	cbcb	bm_0cw
5	Hartland Point	dFr₀F	RFr₀F	Fc	cbc
	Bristol ..	cz_0cy	cz_0y	cz_0bcz	bcz_0bm
	Portland Bill ...	c	co	oc	bc
	Plymouth ...	cm_0r_0jf	ir_0jfcm_0	cjfirbc	cm_0
	The Lizard ...	oFf	cifpr	c	cbc
	Scilly (St. Mary's)	offc	c	oFFe	offrffc
	Guernsey ...				
6	Pembroke ...	Ffrr	cir_0m_0	c	cm_0
7	Holyhead (Valley)	cr_0z_0y	cyzo	cir_0bcm_0	$bcbm_0w$
	Chester (Sealand)	cz_0	cz_0gbc	$bcbz_0$	bm_0bm
8	Manchester ...	cz_0y	cz_0	bcz_0	bm_0w
10	Spurn Head ...	$bcqz_0$	$beqz_0$	b	b
	Catterick ...	$cmwcz_0$	cz_0cm_0	cm_0cm	cmcf
	Tynemouth ...	c	cq	cm_0	om_0c
11	St. Abbs Head	om_0	om	cm_0id	omid
	Leuchars ...	cm_0	cm_0	$cird_0m_0$	cid_0m_0
12	Renfrew (Abbots I.)	cm_0z_0	cz_0m_0	cm_0bm_0	bm_0cm_0
	Eskdalemuir ...	c	eyc		
	Point of Ayre...	cz_0	$cbcz_0$	$bcbz_0$	bz_0w
13A	Tiree	cid_0	c	bc	bc
13B	Stornoway ...	crrpr	cpr.c	cbc	bccbc
15	Dalwhinnie ...	c	c		c
	Aberdeen ...	coz_0	oz_0	oz_0	om_0
	Wick ...	cm_0	cm_0	om_0	cm_0
16	Sumburgh ...	c	cm_0	cm_0	c
17	Blacksod Point	bc	bc	bc	f
18	Malin Head ...	r	r	r	bc
	Aldergrove ...	r	$cm_0ir_0m_0$	ir_0irbc	cm_0bcm_0
19	Birr Castle ...	c	c	*	r
20	Valentia Obsy.	bc	pr	bc	f
	Roches Point	d	bc	f	f

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

Districts	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	♠ Easterly wind fresh inland, strong to gale on the southeast coast at first; mainly fine; average day temperature inland but cool at night; cool generally on the coast
5 S.W. England 6 South Wales	Moderate east to north east winds, fresh locally; cloudy early then fair to fine; average temperature.
7 North Wales 8 N.W. England	Moderate south east wind; mainly fine; day temperature above average, rather cool at night
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate south east winds, fresh at first on coast, moderating; mainly fair but considerable cloud at times; rather cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Moderate to light southerly winds; mainly fine; day temperature rather above average, but rather cool at night possibly with ground frost.
14 Mid Scotland 15 N.E. Scotland	Moderate to fresh southerly winds; cloudy; rather cool.
16 Orkneys and Shetlands	As 14 and 15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate south east winds; fair; average temperature.

GENERAL INFERENCE

An anticyclone presumably centred away to Northeast of the British Isles is spreading westwards and will probably give fair dry weather in many areas for at least two or three days.

FURTHER OUTLOOK

Fair for two or three days. Day temperatures rising somewhat.

♠ Gale warning in operation in district I; time of issue 0940. 14.4.42.

Forecasts issued at 1030 G.M.T.

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

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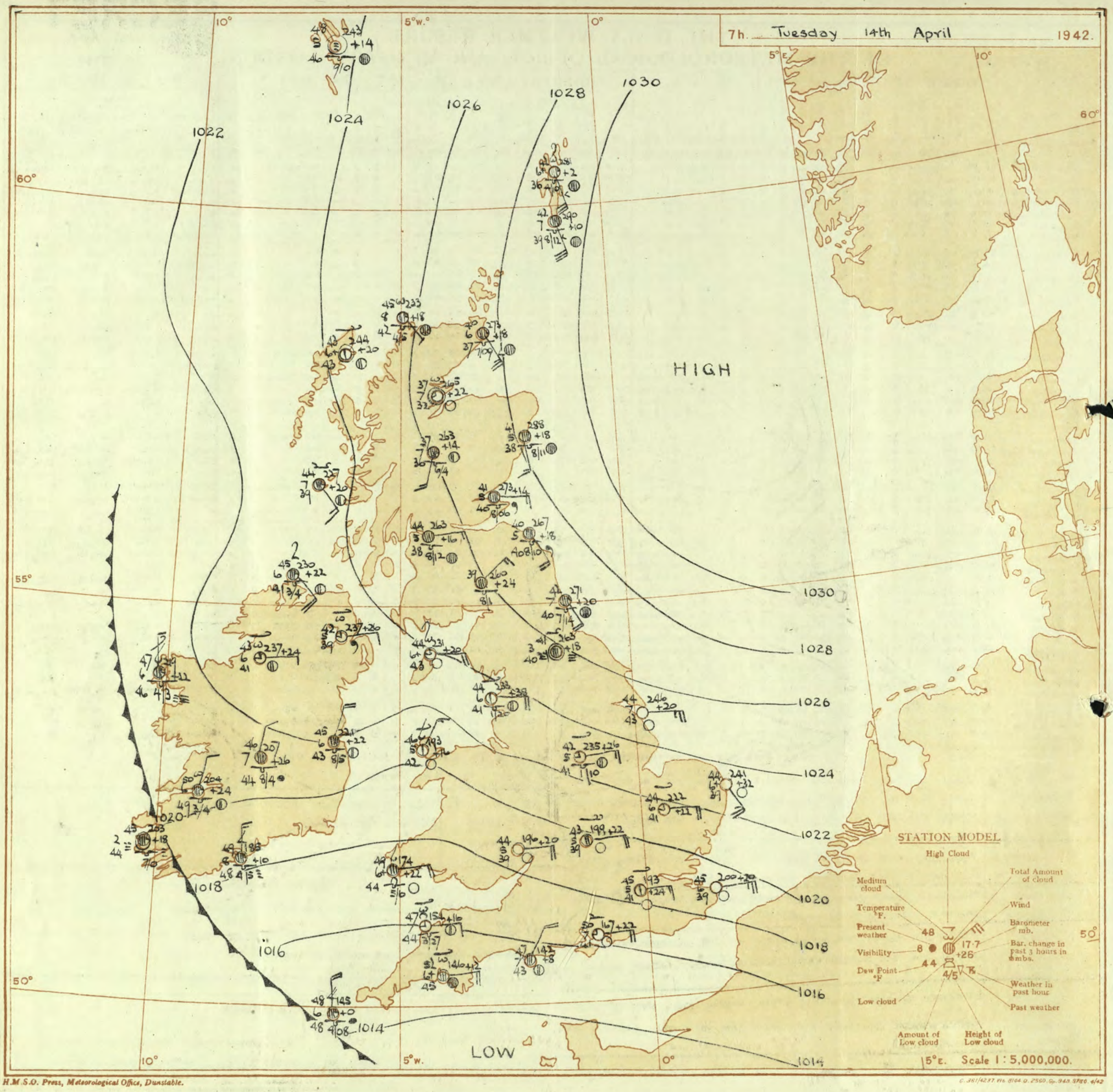


H.M.S.O. Press, Meteorological Office, Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

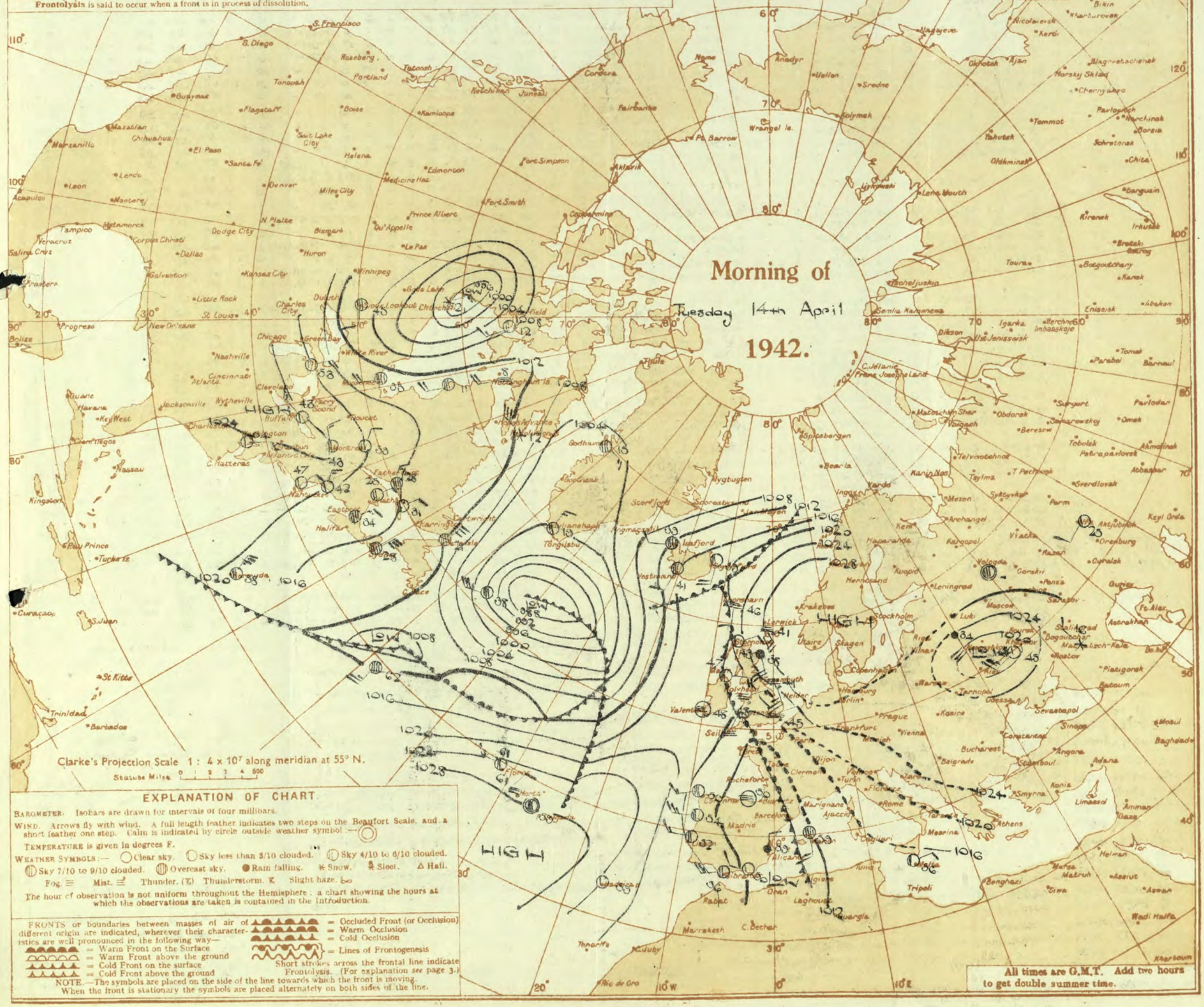
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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.

Tuesday 14th April 1942

No. 29363

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	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon	290	15·9	+12	NE'E	2	z_0	45	85	42	5	–	–	–	0	0	–
	S. Farnborough	226	15·3	+14	E	3	z_0	47	85	42	6	–	–	–	0	0	–
	Boscombe Down	417	14·8	+12	E	4	z_c	49	75	41	6	–	4	–	0	1	–
	Thorney Island	10	13·6	+14	E	2	b	54	75	45	7	–	–	–	0	0	–
	Lympne	283	16·6	+14	ENE	4	b	50	65	40	7	–	–	–	0	0	–
	Manston	154	16·8	+16	E'N	4	z_0	46	85	41	6	–	–	1	0	Tr	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·3	+14	E	5	z_0	47	85	42	6	–	–	1	0	Tr	–
	Gorleston	5	20·3	+20	SE'S	5	z_0	43	92	42	6	–	–	–	0	0	–
	Mildenhall	15	18·7	+16	E	3	z_0	46	85	43	6	–	–	2	0	2-3	–
	Cranwell	203	20·0	+10	ENE	3	z_0	41	97	41	5	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·4	+10	ENE	4	z_0	45	85	39	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·6	0	NE	3	c	48	92	46	6	5	–	–	7-8	7-8	1500
	Bristol	209	15·5	+16	E'S	2	m	49	75	42	4	–	7	–	0	2-3	–
	Portland Bill	32	12·5	+16	NW	4	c	48	92	46	7	5	–	–	7-8	7-8	2500
	Plymouth	82	13·5	+6	E	2	z_0	51	92	48	5	5	7	–	2-3	7-8	1000
	The Lizard	240	13·7	+4	N	3	c	50	92	48	7	8	2	–	9	10	1500
	Scilly (St. Mary's)	163	14·5	+8	NNE	2	o/f	49	97	49	3	–	–	–	10	10	<150
	Guernsey	175															
6	Pembroke	142	14·9	+8	NE	4	c	50	85	46	7	5	–	–	9+	9+	2500
7	Holyhead (Valley)	32	16·7	+18	NE	3	z_0	48	85	44	5	–	7	–	0	2-3	–
	Chester (Sealand)	16	18·4	+10	NE'E	1	z_0	44	85	40	5	–	–	–	0	0	–
8	Manchester	235	19·3	+8	NNE	2	z_0	44	85	40	6	–	–	–	0	0	–
10	Spurn Head	29	21·7	+38	E'S	6	bq	44	97	43	7	–	–	–	0	0	–
	Catterick	175	03·2	+10	–	0	m	41	92	39	4	5	–	–	10	10	1100
	Tynemouth	108	24·3	+8	SE	5	z_0	41	92	40	6	5	–	–	10	10	1500
11	St. Abbs Head	280	24·6	+14	SE	5	id_0	39	97	39	5	5	–	–	10	10	1500
	Leuchars	36	25·3	+14	ESE	3	id_0	41	92	39	5	5	–	–	10	10	900
12	Renfrew (Abbots I.)	19	23·3	+10	NE'E	3	z_0	41	85	37	6	5	–	–	[illegible]	Tr	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·6	+12	E	4	z_0	44	97	43	6	–	4	–	0	1	–
13A	Tiree	22	20·2	+16	–	0	bc	43	85	39	8	5	–	–	2-3	2-3	3500
13B	Stornoway	80	21·8	+18	NE	2	bc	43	92	41	7	7	–	–	2-3	2-3	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	27·0	+12	SE'S	4	id_0	38	92	36	5	5	–	–	10	10	600
	Wick	114	25·2	+18	SE'S	6	z_0	39	85	36	6	5	–	–	10	10	800
16	Sumburgh	19	28·0	+2	SSE	6	z_0	40	92	38	6	5	–	–	10	10	800
17	Blacksod Point	18	18·6	+14	–	0	bc	49	97	48	8	5	–	–	4-6	4-6	1500
18	Malin Head	84	19·5	+18	E'S	4	c	47	85	43	6	5	2	–	4-6	7-8	1500
	Aldergrove	268	20·0	+24	E'N	4	z_0	45	85	41	6	5	–	–	4-6	4-6	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·1	+16	–	0	z_0	48	97	47	6	5	–	–	10	10	<150
	Roches Point	22	17·1	+16	N	3	f	46	97	45	2	–	–	–	10	10	<150

OBSERVATIONS at 7 hr. G.M.T. 14th 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 13th Hrs. (38)
London (Kew)	19·8	+22	ENE	4	z_0	47	75	40	5	–	–	6	0	4-6	–	1	*	60	45	41	–	–	5·4
Croydon	19·3	+24	ENE	3	z_0	45	85	41	5	–	–	1	0	2-3	–	1	*	60	43	39	–	Tr	5·7
S. Farnborough	19·2	+28	ENE	3	m	45	97	44	4	–	–	2	0	4-6	–	1	*	61	43	38	–	–	0·7
Boscombe Down	17·7	+18	E'N	4	z_0	46	85	41	6	–	–	8	0	2-3	–	0	*	62	44	40	–	–	4·1
Thorney Island	16·7	+22	ENE	4	b	50	75	41	7	–	–	5	0	1	–	0	*	61	47	40	–	–	*
Lympne	19·8	+22	E	5	z_0	46	75	37	6	–	–	–	0	0	–	0	§4	63	45	41	–	–	11·3
Manston	20·0	+20	E'N	5	z_0	45	85	39	6	–	–	–	0	0	–	0	*	58	43	40	–	–	11·7
Shoeburyness	20·7	+24	E	3	b	46	85	41	5	–	4	–	0	1	–	0	*	53	45	38	–	–	8·1
Felixstowe	21·6	+24	E	5	z_0	45	85	40	5	–	–	–	0	0	–	0	4	53	44	40	–	–	10·5
Gorleston	24·1	+32	SE	5	z_0	44	85	39	6	–	–	–	0	0	–	0	4	47	42	38	–	–	7·9
Mildenhall	22·2	+22	E'N	4	z_0	44	92	41	6	–	–	1	0	Tr	–	0	*	60	41	35	–	Tr	12·0
Cranwell	23·5	+26	ENE	3	z_0	42	92	41	5	5	–	1	Tr	1	1000	0	*	59	38	35	–	–	10·5
Birmingham	21·7	+18	ENE	3	m	41	85	37	4	5	–	1	2-3	2-3	450	1	*	60	40	35	–	–	0·2
Upper Heyford	19·9	+22	ENE	4	z_0	43	85	39	5	–	–	2	0	4-6	–	0	*	58	41	38	–	–	*
Ross-on-Wye	19·6	+20	ENE	4	z_0	44	85	39	5	–	–	–	0	0	–	1	*	64	42	34	–	–	3·5
Hartland Point	15·4	+16	ENE	2	bc	47	85	44	7	5	6	1	2-3	4-6	2700	1	3	52	47	45	3	–	0·0
Bristol	18·8	+22	NE	2	z_0	45	85	41	5	–	4	–	0	Tr	–	0	*	64	43	35	–	–	4·3
Portland Bill	14·2	+8	NE	4	c	47	92	43	7	2	–	–	7-8	7-8	4000	1	3	50	45	*	–	–	*
Plymouth	14·6	+12	ENE	4	z_0	52	75	45	6	–	3	1	0	7-8	–	0	3	56	49	45	5	Tr	0·0
The Lizard	14·1	+4	E'N	3	bc	49	92	48	7	8	6	–	4-6	4-6	1500	1	3	50	48	*	0·1	2	0·0
Scilly (St. Mary's)	14·5	0	N	4	c	48	97	48	6	5	2	–	4-6	9+	800	1	3	54	47	*	–	3	0·3
Guernsey																							
Pembroke	17·4	+22	ENE	4	c	49	85	44	6	4	4	–	7-8	7-8	4000	1	3	52	42	*	2	–	0·0
Holyhead (Valley)	19·3	+16	NE	3	z_0	46	85	42	5	–	4	1	0	2-3	–	1	3	61	44	41	1	Tr	*
Chester (Sealand)	22·4	+24	–	0	m	41	85	38	4	–	–	–	0	0	–	0	*	63	38	32	–	–	1·6
Manchester	23·0	+14	E	3	z_0	43	85	39	6	5	4	9	Tr	2-3	4000	1	*	61	41	33	–	–	*
Spurn Head	24·6	+20	E'S	5	b	44	97	43	7	–	–	–	0	0	–	1	5	46	43	*	–	–	7·0
Catterick	26·3	+18	–	0	cf–	41	97	40	3	–	–	8	0	7-8	–	1	*	58	32	31	–	–	3·9
Tynemouth	27·1	+20	SE	4	c	42	92	40	7	5	–	–	9+	9+	1400	1	3	45	41		–	–	*
St. Abbs Head	26·7	+18	SE	4	o	40	97	40	5	5	–	–	10	10	1000	1	3	47	38	*	–	Tr	*
Leuchars	27·3	+14	E	3	z_0	41	92	40	5	5	–	–	10	10	600	1	*	46	40	40	–	Tr	0·0
Renfrew (Abbots I.)	26·3	+16	ENE	3	z_0	44	85	38	5	5	–	–	10	10	1200	1	*	55	40	36	–	–	0·0
Eskdalemuir	26·0	+24	NE	3	o	39	92	37	7	5	–	–	10	10	200	1	*	58	38	37	–	–	1·3
Point of Ayre	23·1	+20	E	4	z_0	44	97	43	6	–	–	9	0	Tr	–	0	4	54	43	*	–	–	1·0
Tiree	22·7	+20	SE	3	c	44	85	39	7	–	–	7	0	9+	–	0	3	52	43	*	3	–	0·0
Stornoway	24·4	+20	–	0	bc	43	97	43	6	–	–	2	2-3	2-3	3500	1	1	54	41	*	1	–	0·3
Dalwhinnie	26·3	+14	SSW	3	c	37	92	36	7	5	–	–	9	9	1500	0	*	54	36	34	–	–	4·4
Aberdeen	28·8	+18	S'E	3	z_0	41	92	38	5	5	–	–	10	10	1100	1	2	41	38	39	–	–	0·0
Wick	27·3	+18	SE'S	5	z_0	40	85	37	6	5	–	–	9+	9+	900	0	*	45	39	37	–	–	*
Sumburgh	29·0	+10	SSE	6	o	42	85	39	7	5	–	–	10	10	1200	0	5	45	40	39	–	–	2·7
Blacksod Point	21·9	+22	N	1	c/f	47	97	46	6	5	4	4	4-6	9	800	1	2	60	44	*	–	Tr	*
Malin Head	23·0	+22	ESE	4	c	45	85	41	6	5	7	6	2-3	9	1500	1	3	49	44		5	1	0·0
Aldergrove	23·7	+26	ENE	2	z_0	42	92	39	5	–	3	1	0	1	–	1	*	52	40	37	1	1	0·0
Birr Castle	20·7	+26	NNE	2	e	46	92	44	7	5	–	–	10	10	1500	1	*	59	45	44	–	0·2	2·2
Valentia Obsy.	20·3	+18	–	0	cf	45	97	44	2	5	–	–	9+	9+	<150	1	2	61	45	44	Tr	Tr	*
Roches Point	18·5	+10	N	3	c	49	97	48	8	5	1	–	4-6	9+	2500	*	4	53	46	*	0·4	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE -

III $C_L C_M$ (13h. G.M.T. 13th April)	$wwVhN_h$	DDFWN	$C_L C_M$ (18h. G.M.T.)	$wwVhN_h$	DDFWN	$C_L C_M$ (01h. G.M.T. 14th April)	$wwVhN_h$	DDFWN	$C_L C_M$ (07h. G.M.T.)	$wwVhN_h$	DDFWN
109 5-	05648	45528	5-	05536	45627	5-	05548	45528	5-	05637	45527
115 2-	02735	12328	52	02735	28228				53	02854	12126
203 --	02890	04328	52	03844	04228						
206 07	02790	08228	57	02763	04128	00	00790	00010	03	00790	00001
210 07	02790	44428	57	02742	44425	50	05631	10401	07	00890	12113
220 51	25754	15288	52	81754	12188				51	05652	13117
230 57	05765	06366	57	05871	04327	57	01751	08214	03	01790	06214
245 5-	05637	11428	5-	05638	11428	5-	05538	12328	5-	05635	13228
260 57	05653	10228	07	05690	08528	57	05644	06415	5-	05545	04228
278 57	05681	10427	04	05690	11324	50	05653	10303	00	05680	08300
279 07	05690	10428	07	05690	05527	50	05661	04601	57	05554	05525
285 53	02743	12527							5-	05528	08228
288 00	05690	12325	24	05663	08227	50	05642	04312	04	05690	06225
575 02	61638	10228	62	62638	06168	50	05554	08114	03	05690	07112
301 07	05690	10428	07	05590	08526	00	05690	08500	50	05651	08413
321 00	05690	08426	00	05690	45426	00	05690	02120	00	05690	01214
299 57	05653	12514	57	05654	09416	00	05690	10400	00	00790	08300
292 00	05690	10426	50	05642	09426	00	05690	06200	00	05690	06214
310 --	01635	10615							--	08424	08544
614 08	05690	43418	18	02671	08426	00	05690	04413	10	08861	06226

III $C_L C_M$ (13h. G.M.T. 13th April)	$wwVhN_h$	DDFWN	$C_L C_M$ (18h. G.M.T.)	$wwVhN_h$	DDFWN	$C_L C_M$ (01h. G.M.T. 14th April)	$wwVhN_h$	DDFWN	$C_L C_M$ (07h. G.M.T.)	$wwVhN_h$	DDFWN
333 07	02790	16228	07	22690	28328	51	02664	28218	04	05690	04214
334									--	02655	12216
340 07	17690	13427	57	02761	10520	00	05690	08210	00	05890	08401
136 00	05690	09404	00	05690	40426	00	05690	09314	00	05690	10400
336 54	01753	12315	57	02755	12328				54	05652	04313
350 08	05690	41425	07	05690	08327	00	05690	04300			
368 07	02790	08226	52	61634	00068	57	08444	06225	00	01690	05214
379 07	05690	08327	08	05690	08327	00	05690	06303	00	05890	06302
390 00	05690	10426	08	05690	08327	00	04490	07413	00	05590	09412
382 07	05690	09327	07	05690	06326	00	00790	05300	00	05690	04303
438 57	02663	03415							00	00690	07500
430 00	02790	43427	08	02790	07326	00	05690	08411	00	00790	06403
409 57	22842	00067	52	61626	04268	52	05553	32227	57	41663	02347

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	cz_0y	cz_0y	cybcbz
Croydon	$cycz_0$	$czcz_0y$	cz bcm
Greenwich	bc⊕	bc⊕bcy	bcbw
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0.2 7-14h 13th. Min. Time 0.1 0-4h 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	60	45	41	–	–	5·4	*	*
Croydon	60	43	39	–	Tr	5·7	*	*
Greenwich	59	43	36	–	–	6·5	50	66
Westminster	60	46	43	–			61	77
Regents Park	59	45	40	–	–		44	34
Camden Square	61	45	38	–	–	*	*	64
Kensington	61	45	40	–	–		82	68
Hampstead	57	42	38	–	–		*	71

BRITISH SECTION

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

SECRET

Wednesday 15th April 1942

No. 29364

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·3	+6	NE'E	5	z	55	55	38	6	-	-	-	0	0	-
	Croydon ...	22·0	+14	ENE	5	b	55	55	40	7	-	-	-	0	0	-
	S. Farnborough	21·1	+8	E	5	b	58	45	38	7	-	-	-	0	0	-
	Boscombe Down	20·1	+10	E	5	z	61	35	36	6	-	-	-	0	0	-
	Thorney Island	19·2	+6	ENE	4	b	64	65	57	8	-	-	-	0	0	-
	Lympne ...	21·3	+2	E	5	z	57	45	37	6	-	-	-	0	0	-
	Manston ...	22·5	+4	ENE	5	z	52	65	39	6	-	-	-	0	0	-
2	Shoeburyness ...	23·6	+8	ENE	3	b	52	65	42	6	-	-	-	0	0	-
	Felixstowe ...	24·1	+10	ENE	5	z	51	65	46	6	-	-	-	0	0	-
	Gorleston ...	26·8	+6	E	5	z	45	85	42	6	-	-	-	0	0	-
	Mildenhall ...	24·8	+10	E	5	b	59	45	39	8	-	-	-	0	0	-
	Cranwell ...	25·6	+2	E'S	6	b	56	55	41	7	-	-	-	0	0	-
3	Birmingham ...	23·1	+8	E	4	z	59	45	39	6	-	-	-	0	0	-
	Upper Heyford	22·1	+6	NE'E	4	z	59	45	37	6	-	-	-	0	0	-
4	Ross-on-Wye	21·2	+4	ENE	5	bq	60	55	43	7	-	-	1	0	Tr	-
5	Hartland Point	17·8	+10	NE	4	bc	58	55	42	7	-	4	-	0	2-3	-
	Bristol ...	20·2	+2	E	4	z	62	55	44	6	-	-	-	0	0	-
	Portland Bill ...	18·0	+6	E	4	bc	50	85	46	8	2	-	-	4-6	4-6	4000
	Plymouth ...	16·7	+10	E	5	z	59	65	46	7	-	-	1	0	Tr	-
	The Lizard ...	17·0	+16	NE'E	5	bc	53	75	46	7	8	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	17·1	+14	E'N	4	c	57	75	50	6	5	4	3	2-3	9	1000
	Guernsey ...															
6	Pembroke ...	20·7	+14	SE	2	z	55	85	48	6	2	4	3	2-3	4-6	3000
7	Holyhead (Valley)	22·3	+14	NE'E	4	z	59	55	44	5	-	4	2	0	4-6	-
	Chester (Sealand)	23·5	0	E	3	z	63	45	40	6	-	-	1	0	1	-
8	Manchester ...	24·2	+2	E	5	bc	62	45	41	6	-	-	1	0	2-3	-
10	Spurn Head ...	28·1	+12	E'S	6	b	46	85	43	7	-	-	-	0	0	-
	Catterick ...	28·2	+6	ESE	4	b	58	45	35	8	-	-	3	0	Tr	-
	Tynemouth ...	29·5	+12	SE	3	bc	47	75	40	7	2	-	-	2-3	2-3	2300
11	St. Abbs Head	29·3	+6	SE	4	bc	44	92	42	6	5	-	-	4-6	4-6	2100
	Leuchars ...	30·2	+8	E	2	z	45	85	40	6	5	-	-	10	10	1000
12	Renfrew (Abbots I.)	28·2	+2	ENE	3	z	51	75	42	5	1	-	1	1	4-6	3500
	Eskdalemuir ...	27·1	+4	ESE	3	c	57	45	37	7	-	-	7	0	7-8	-
	Point of Ayre ...	25·5	+2	E'S	4	z	51	85	47	6	-	-	2	0	4-6	-
13A	Tiree	26·0	-4	SE'S	3	bc	53	75	43	7	-	-	8	0	4-6	-
13B	Stornoway ...	26·2	+6	SE	2	c	50	92	48	7	-	-	7	0	10	-
15	Dalwhinnie ...	28·0	+8	SSW	4	bc	46	75	38	6	4	-	-	4-6	4-6	2500
	Aberdeen ...	31·2	+6	SSE	4	z	43	85	38	6	5	3	-	10	10	1300
	Wick ...	28·3	+6	SSE	4	z	46	85	41	6	-	-	1	0	2-3	-
16	Sumburgh ...	30·3	+6	S'E	5	c	44	85	40	7	5	-	-	10	10	1200
17	Blacksod Point	23·6	+2	-	0	bc	58	75	51	5	5	-	-	2-3	2-3	4000
18	Malin Head ...	25·1	+6	E	3	bc	49	75	42	7	4	4	-	2-3	4-6	2500
	Aldergrove ...	25·1	+4	E	4	z	55	65	43	6	1	-	1	Tr	2-3	3000
19	Birr Castle ...	23·3	+10	NNE	2	bc	57	75	50	7	5	-	-	4-6	4-6	1500
20	Valentia Obsy.	21·7	+6	NE	4	b	60	75	53	7	1	-	1	1	1	2500
	Roches Point	20·8	+8	E	3	z	60	75	53	6	1	-	5	1	2-3	4000

OBSERVATIONS at 18h. G.M.T. 14th 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 the Ground. 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	24·0	+16	ENE	5	z	55	45	34	6	-	-	4	0	Tr	-	1	*
	Croydon ...	23·6	+14	ENE	5	bc	53	55	32	7	-	-	6	0	2-3	-	1	*
	S. Farnborough	22·9	+16	E	5	z	55	53	37	7	-	-	1	0	Tr	-	1	*
	Boscombe Down	22·3	+16	E'N	5	b	57	45	33	6	-	-	1	0	Tr	-	0	*
	Thorney Island	21·2	+10	NE	3	bc	60	55	44	7	-	-	5	0	2-3	-	0	*
	Lympne ...	23·0	+10	ENE	4	bc	53	45	32	7	-	-	1	0	2-3	-	0	§
	Manston ...	24·0	+12	ENE	5	z	49	65	38	6	-	-	1	0	Tr	-	0	*
2	Shoeburyness ...	24·8	+12	NE'N	5	bc	49	75	40	8	-	-	5	0	2-3	-	0	*
	Felixstowe ...	25·7	+6	NE'E	5	b	49	75	40	7	-	-	8	0	Tr	-	0	4
	Gorleston ...	27·8	+10	ENE	5	z	45	85	42	6	-	4	-	0	2-3	-	0	5
	Mildenhall ...	26·6	+12	E'N	4	b	54	65	41	8	-	-	1	0	Tr	-	0	*
	Cranwell ...	27·7	+14	E'N	5	b	49	75	40	7	-	-	-	0	0	-	0	*
3	Birmingham ...	24·2	+12	E	4	b	59	35	33	8	-	-	-	0	0	-	1	*
	Upper Heyford	23·8	+18	E'N	4	b	56	45	32	7	-	-	5	0	Tr	-	0	*
4	Ross-on-Wye	23·0	+16	E'N	4	b	59	45	36	8	-	-	-	0	0	-	0	*
5	Hartland Point	20·0	+6	ENE	3	b	58	45	38	7	-	-	-	0	0	-	0	3
	Bristol ...	22·5	+16	ESE	3	b	59	45	36	7	-	-	1	0	Tr	-	0	*
	Portland Bill ...	20·1	+6	E	4	bc	50	92		8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	20·1	+14	E	5	z	56	55	32	6	-	-	-	0	0	-	0	3
	The Lizard ...	18·9	+10	NE	5	bc	52	75	42	7	4	-	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	19·2	+10	NE'E	3	b	55	75	45	7	-	-	-	0	0	-	1	3
	Guernsey ...																	
6	Pembroke ...	21·6	+4	E'S	3	z	60	55	42	6	2	-	-	2-3	2-3	3000	1	2
7	Holyhead (Valley)	23·3	+10	E'N	3	b	61	45	40	7	-	-	1	0	Tr	-	1	3
	Chester (Sealand)	25·2	+14	E	4	z	60	45	36	6	-	-	-	0	0	-	0	*
8	Manchester ...	25·7	+12	E	4	b	55	45	35	7	-	-	-	0	0	-	0	*
10	Spurn Head ...	28·7	+6	E	5	b	45	85	42	7	-	-	-	0	0	-	0	5
	Catterick ...	30·0	+14	ESE	3	b	52	45	33	8	-	-	3	0	Tr	-	0	*
	Tynemouth ...	30·7	+6	SE	4	bc	43	85	39	7	-	4	-	0	2-3	-	1	4
11	St. Abbs Head	29·7	0	SE	5	bc	42	92	40	6	5	-	-	4-6	4-6	2500	0	4
	Leuchars ...	31·2	+6	NNE	2	bc	43	85	40	7	5	-	2	1	4-6	1000	1	*
12	Renfrew (Abbots I.)	28·4	+6	E	3	z	54	65	43	5	-	7	2	0	7-8	-	1	*
	Eskdalemuir ...	28·4	+10	E'S	3	b	53	55	37	6	-	-	1	0	1	-	1	*
	Point of Ayre ...	26·1	+4	SE'E	3	b	54	65	43	8	-	-	1	0	Tr	-	0	3
13A	Tiree	26·4	+2	SE	2	b	55	65	45	7	-	-	5	0	Tr	-	0	3
13B	Stornoway ...	27·4	+8	NNE	2	c	50	92	48	7	-	-	7	0	10	-	0	1
15	Dalwhinnie ...	28·5	+8	S	4	bc	45	85	39	6	2	4	-	2-3	2-3	2500	0	-
	Aberdeen ...	31·8	+6	S	3	z	43	85	40	6	5	-	-	1	7-8	1500	1	3
	Wick ...	28·7	+2	SSE	5	z	46	85	42	6	-	-	6	0	4-6	-	0	*
16	Sumburgh ...	30·3	0	S	5	c	43	85	39	7	5	-	-	9+	9+	900	0	5
17	Blacksod Point	24·9	+8	-	0	z	58	75	51	6	5	-	-	4-6	4-6	1500	0	0
18	Malin Head ...	25·8	+6	E'N	2	bc	53	75	46	7	1	-	5	1	2-3	4000	1	2
	Aldergrove ...	26·8	+8	E	3	z	57	55	41	6	-	-	1	0	1	-	0	*
19	Birr Castle ...	23·5	+4	ENE	2	c	60	65	49	7	-	4	8	0	7-8	-	1	*
20	Valentia Obsy.	23·0	+10	NNW	2	z	61	75	54	6	5	3	1	2-3	2-3	4000	1	*
	Roches Point	22·7	+10	S	4	z	59	65	48	6	-	-	5	0	4-6	-	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 14th (39)	13h.—18h. 14th (40)	18h. 14th to 1h. 15th (41)	1h.—7h. 15th (42)
1	London (Kew)	bcbzoy	bzoy	bzoy	bzoybz.
	Croydon ...	bz.by	by	bz.bm.	bm.w
	S. Farnborough	bcmzoby	byz.	bz.yb	bz.m.
	Boscombe Down	bzoy	bybm.	bzoy	bz.
	Thorney Island	b	b	bz.	bz.b
	Lympne ...	bz.byz.	byz.	byb	b
	Manston ...	bm.z.	bybcbz.	bz.b	bbz.
2	Shoeburyness ...	bm.bz.	b	bbm.	bwm.
	Felixstowe ...	bm.	bm.b	bbwb	b
	Gorleston ...	bz.	bcz.	bbz.	bz.w
	Mildenhall ...	bby	by	bbcb	bx
	Cranwell ...	bz.b	b	bbm.	bm.b
3	Birmingham ...	bcbz	bzy	*	bm
	Upper Heyford	bcm.bz.	by	byb	bbm.
4	Ross-on-Wye	bzbcy	by		m.w
5	Hartland Point	bacbc	bcby	by	b
	Bristol ...	b,cm.,bz.	by	byzbz.	bz.m.w
	Portland Bill ...	bc	bc	bcbcz.	bc
	Plymouth ...	cbzoy	bzoy	bz.	bz.
	The Lizard ...	bccbc	bcz.	bc	bc
	Scilly (St. Mary's)	c	cbcb	b	b
	Guernsey ...				
6	Pembroke ...	bcm.	bcym.	bcz.	bcz.
7	Holyhead (Valley)	bbczoy	bczyb	byz.	bwb
	Chester (Sealand)	bczoy	bcbzoy	bz.	bm.
8	Manchester ...	bcbzoy	bzoy	b	bm.w
10	Spurn Head ...	b	b	b	b
	Catterick ...	cfbcby	by	bybbm.	bm.
	Tynemouth ...	cbc	bc	b	b
11	St. Abbs Head	ombcm	bcm.	bcm.	bcm.bm.
	Leuchars ...	cidcm.	cbcm.bc	bm.	bm.Ffx
12	Renfrew (Abbots I.)	cm.bcz.	bbczo	cz.bm.	bm.F
	Eskdalemuir ...	cbcc	cyby	bybx	bxb
	Point of Ayre ...	bbcz.	bcb	bcb	b
13A	Tiree	bc	b	b	b
13B	Stornoway ...	bcc	c	cb	b
15	Dalwhinnie ...	cbc	bc		bc
	Aberdeen ...	cz.	ocbz.	bcz.	bbczw
	Wick ...	cm.bcm.	bcm.	bcm.bm.	bcbm.
16	Sumburgh ...	c	c	b	c,b
17	Blacksod Point	bc	bc	b	bc
18	Malin Head ...	c	bc	bc	b
	Aldergrove ...	bm.bcz.	bcz.bzy	bz.w	bz.
19	Birr Castle ...	bc	c	*	b
20	Valentia Obsy.	f	b	bc	b
	Roches Point	bc	b	b	b

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

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	Light or moderate east wind backing slowly, fresh locally on coasts. Fair or fine; rather warm inland but, cool near east coast, rather cold at night with ground frost locally.
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 south wind. Fair or fine; rather warm during day; rather cold at night with ground frost locally.
16 Orkneys and Shetlands	As 14 and 15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southeast wind. Fair or fine; rather warm during day; rather cold at night with ground frost locally

GENERAL INFERENCE

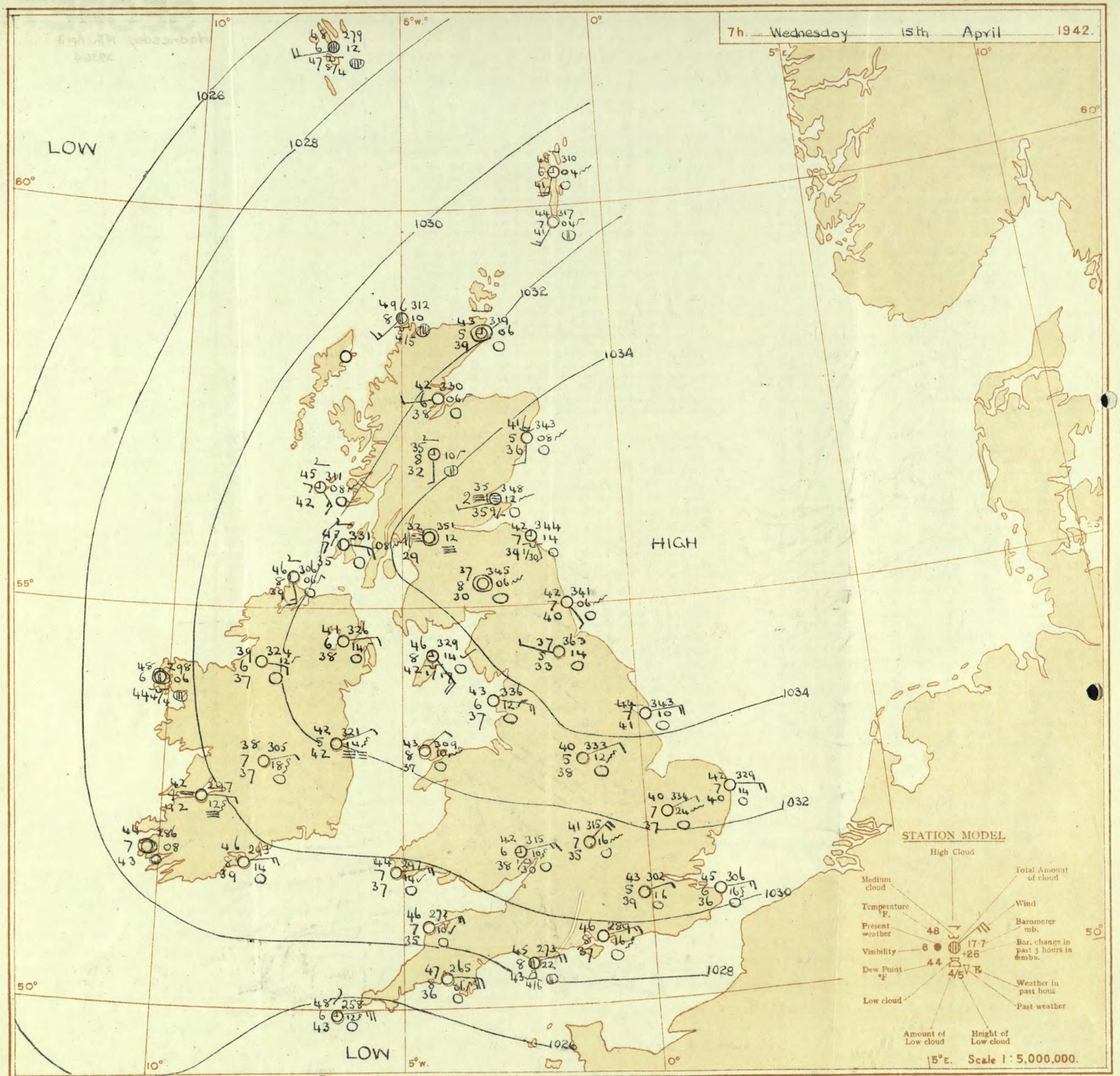
A large anticyclone centred over the North Sea covers the British Isles. Weather will be fair or fine.

FURTHER OUTLOOK

Similiar but possibly more cloud and cooler in the east.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

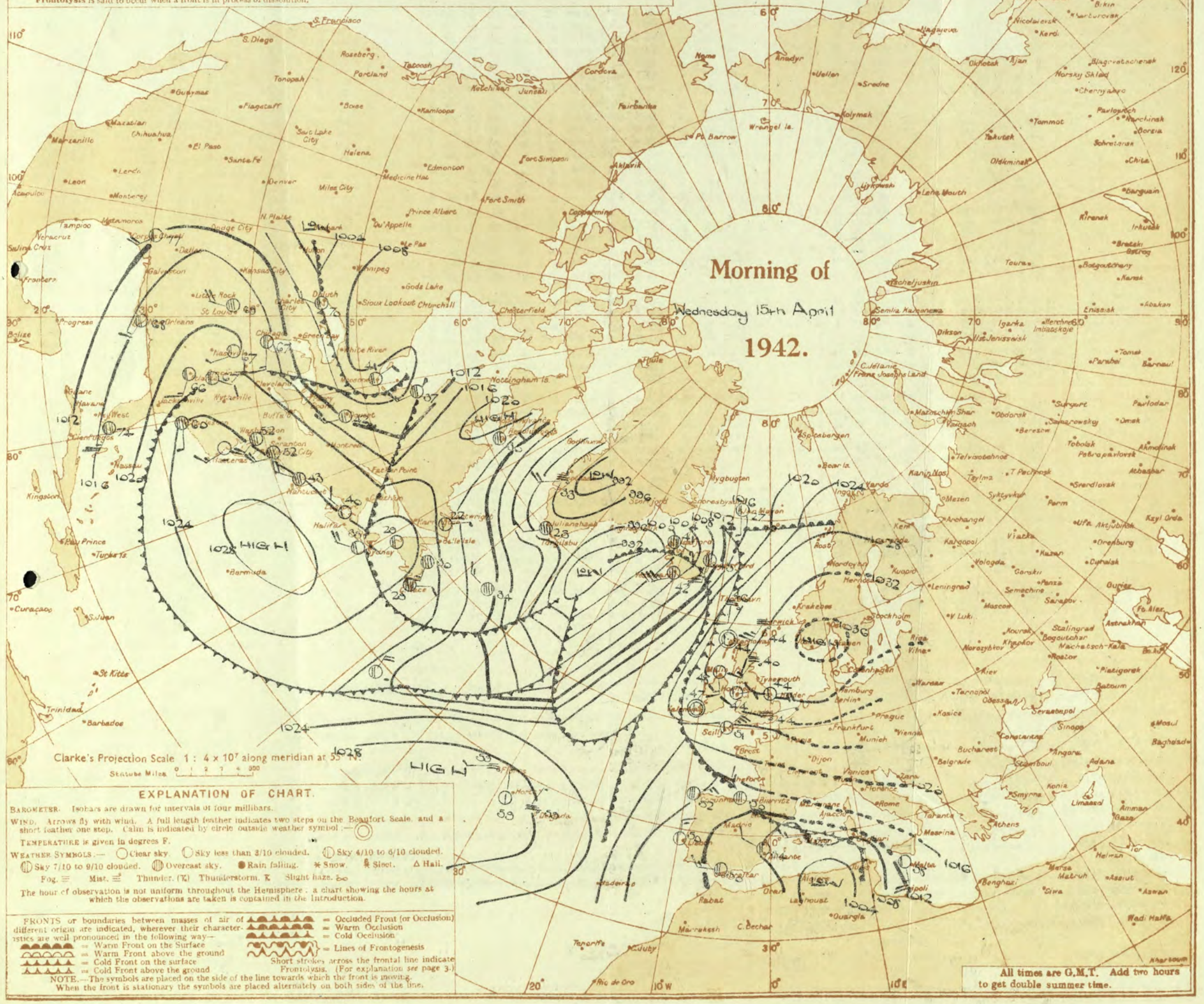
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add two hours to get double summer time.

THE DAILY WEATHER REPORT

BRITISH SECTION

OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Wednesday 15th April 1942

No. 29364

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	27·6	+14	ENE	1	z₀	44	85	39	6	-	-	-	0	0	-
	S. Farnborough	226	27·9	+18	E'N	3	b	45	75	37	7	-	-	-	0	0	-
	Boscombe Down	417	27·3	+20	E'N	3	z₀	45	65	35	6	-	-	-	0	0	-
	Thorney Island	10	26·1	+14	NE	3	b	49	65	37	7	-	-	-	0	0	-
	Lympne	283	27·1	+18	ENE	5	b	46	65	35	7	-	-	-	0	0	-
	Manston	154	27·7	+6	ENE	4	b	46	75	38	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	29·7	+10	ENE	4	b	45	*	*	7	-	-	-	0	0	-
	Gorleston	5	30·7	+14	E'S	4	z₀	43	92	41	6	-	-	-	0	0	-
	Mildenhall	15	29·8	+14	E	3	b	45	97	44	8	-	-	-	0	0	-
	Cranwell	203	31·5	+14	NE'E	3	z₀	39	92	37	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	403	29·4	+16	ENE	3	b	41	85	37	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·5	+20	ENE	3	b	48	65	39	6	-	-	-	0	0	-
	Bristol	209	28·1	+16	E	3	z₀	44	75	36	6	-	-	-	0	0	-
	Portland Bill	32	24·2	+18	ENE	4	bc	48	92	46	6	2	-	-	4-6	4-6	2500
	Plymouth	82	24·6	+10	ENE	5	z₀	51	65	38	6	-	-	-	0	0	-
	The Lizard	240	22·9	+20	NE	5	bc	52	65	41	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	23·6	+12	NE'E	5	b	51	75	43	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	27·1	+22	E	5	z₀	49	65	38	6	4	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	29·0	+22	ENE	2	b	44	85	37	7	-	-	-	0	0	-
	Chester (Sealand)	16	31·1	+18	ESE	2	z₀	43	75	36	6	-	-	-	0	0	-
8	Manchester	235	31·9	+20	ENE	3	b	43	75	37	7	-	-	-	0	0	-
10	Spurn Head	29	32·3	+10	E	4	b	44	85	40	7	-	-	-	0	0	-
	Catterick	175	34·5	+10	-	0	z₀	35	92	34	6	-	-	-	0	0	-
	Tynemouth	108	33·7	+8	SE	2	b	41	92	40	7	-	-	-	0	0	-
11	St. Abbs Head	280	32·0	+16	SE	4	z₀	40	92	38	6	5	-	-	Tr	Tr	2500
	Leuchars	36	33·6	+6	-	0	b	37	97	36	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	32·9	+10	-	0	z₀	38	92	36	5	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	31·2	+20	SE'S	5	b	46	85	43	8	-	-	-	0	0	-
13A	Tiree	22	29·3	+6	SSE	1	b	45	92	43	7	-	-	-	0	0	-
13B	Stornoway	80	29·4	+4	-	0	b	44	97	46	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	33·8	+10	SSW	3	z₀	40	75	34	6	-	-	8	0	2-3	-
	Wick	114	30·4	+4	S	1	z₀	43	85	38	6	-	-	1	0	2-3	-
16	Sumburgh	19	31·2	+2	S'W	3	bc	44	85	40	7	5	-	-	2-3	2-3	1200
17	Blacksod Point	18	28·1	+14	W'N	1	b	49	85	45	7	-	-	-	0	0	-
18	Malin Head	84	29·0	+10	SE'E	3	b	48	65	37	8	-	-	-	0	0	-
	Aldergrove	268	30·8	+14	E'S	2	z₀	43	75	37	6	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·1	+10	-	0	z₀	47	97	46	5	-	-	-	0	0	-
	Roches Point	22	26·9	+14	NNE	3	b	51	75	44	7	-	-	-	0	0	-

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)	31·2	+20	ENE	4	z₀	46	65	35	6	-	-	-	0	0	-	1	*	58	43	35	-	-	11·3
Croydon	30·2	+16	ENE	2	z₀	43	85	39	5	-	-	-	0	0	-	1	*	57	39	35	-	-	12·3
S. Farnborough	30·8	+22	ENE	2	z₀	43	85	38	6	-	-	-	0	0	-	1	*	60	41	35	-	-	11·7
Boscombe Down	30·2	+18	ENE	3	z₀	42	75	36	6	-	-	-	0	0	-	1	*	62	42	36	-	-	12·1
Thorney Island	28·9	+16	NE	3	b	46	75	37	8	-	-	-	0	0	-	0	*	64	43	37	-	-	*
Lympne	29·8	+18	ENE	2	b	45	65	35	7	-	-	-	0	0	-	0	§4	58	42	37	-	-	12·5
Manston	30·6	+16	ENE	3	z₀	45	75	36	6	-	-	-	0	0	-	0	*	54	50	40	-	-	12·2
Shoeburyness	31·4	+18	E'N	3	b	46	75	39	6	-	-	-	0	0	-	0	*	54	43	36	-	-	11·0
Felixstowe	31·5	+12	ENE	4	b	45	75	38	7	-	-	-	0	0	-	0	4	53	44	39	-	-	11·9
Gorleston	32·9	+14	E'S	3	b	42	92	40	7	-	-	-	0	0	-	0	3	47	40	37	-	-	8·5
Mildenhall	33·4	+24	ENE	2	b	40	85	37	7	-	-	-	0	0	-	0	*	65	34	24	-	Tr	12·9
Cranwell	33·8	+14	ENE	3	b	41	92	38	7	-	-	-	0	0	-	0	*	58	37	33	-	-	12·3
Birmingham	32·8	+6	ENE	3	m	40	85	36	4	-	-	-	0	0	-	0	*	62	38	33	-	-	10·6
Upper Heyford	31·5	+16	NE	4	b	41	85	35	7	-	-	-	•	0	-	0	*	61	37	33	-	-	*
Ross-on-Wye	31·5	+10	E'N	3	z₀	42	85	37	6	1	-	-	Tr	Tr	3000	0	*	63	39	31	-	-	12·1
Hartland Point	27·2	+10	ENE	3	b	46	65	35	7	-	-	-	0	0	-	1	3	59	45	43	-	-	9·7
Bristol	30·6	+14	E	2	z₀	42	85	37	6	-	-	-	0	0	-	0	*	65	38	27	-	-	11·8
Portland Bill	27·3	+22	ENE	4	bc	45	92	43	8	2	-	-	4-6	4-6	4000	1	4	50	43	*	-	-	*
Plymouth	26·5	+6	E'S	6	b	47	65	36	8	-	-	-	0	0	-	0		60	46	42	-	-	10·4
The Lizard	25·7	+12	NE'E	5	bc	47	75	40	7	4	-	-	2-3	2-3	2500	1	4	52	47	*	-	-	10·8
Scilly (St. Mary's)	25·8	+12	E'N	5	b	48	85	43	6	-	-	4	0	Tr	-	1	4	58	47	*	-	-	8·2
Guernsey																							
Pembroke	29·9	+16	ENE	4	z₀	45	85	39	6	7	-	-	2-3	2-3	3000	0	2	62	38	*	-	-	10·2
Holyhead (Valley)	30·9	+10	NE	2	b	43	85	37	8	-	-	-	0	0	-	1	2	64	41	32	-	-	*
Chester (Sealand)	33·4	+18	-	0	z₀	41	85	36	5	-	-	-	0	0	-	0	*	65	37	33	-	-	11·5
Manchester	33·9	+18	ENE	3	z₀	43	75	36	5	-	-	-	0	0	-	1	*	63	40	32	-	-	11·4
Spurn Head	34·3	+10	E'N	4	b	44	92	41	7	-	-	-	0	0	-	0	3	47	42	*	-	-	10·1
Catterick	36·3	+14	WNW	1	z₀	37	85	33	5	-	-	-	0	0	-	1	*	58	32	25	-	-	10·6
Tynemouth	34·1	+6	SE	2	b	42	92	40	7	-	-	-	0	0	-	1	3	48	39	36	-	-	*
St. Abbs Head	34·4	+14	SSE	1	b	42	75	34	7	S	-	-	Tr	Tr	3000	0	2	45	35	*	-	-	*
Leuchars	34·8	+12	WSW	1	f-	35	97	35	2	-	-	-	10	10	<150	1	*	45	31	28	Tr	-	0·3
Renfrew (Abbots I.)	35·1	+12	-	0	F+	32	85	29	1	-	-	-	0	0	-	1	*	56	29	25	-	Tr	5·5
Eskdalemuir	34·5	+6	-	0	b	37	75	30	8	-	-	-	0	0	-	1	*	60	30	25	-	-	9·9
Point of Ayre	32·9	+14	SE'S	4	b	46	85	42	8	S	-	-	Tr	Tr	1700	0	4	54	44	*	-	-	11·5
Tiree	31·1	+8	SE	3	b	45	85	42	7	-	-	S	0	Tr	-	0	3	56	43	*	-	-	11·3
Stornoway																	3	54		*	-		
Dalwhinnie	34·9	+10	S	1	b	35	85	32	8	-	-	S	0	1	-	1	*	50	28	20	-	-	7·8
Aberdeen †	34·3	+8	SSW	2	z₀	41	85	36	5	-	9	-	0	2-3	-	1	2	44	37	31	-	-	0·6
Wick	31·9	+6	-	0	z₀	43	85	39	5	-	-	1	0	Tr	-	0	*	47	42	36	-	-	*
Sumburgh	31·7	+4	SW'S	3	b	44	92	41	7	-	-	-	0	0	-	0	3	46	42	39	-	-	0·1
Blacksod Point	29·8	+6	-	0	z₀	48	85	44	6	S	-	-	4-6	4-6	1500	1	0	59	44	44	-	Tr	*
Malin Head	30·6	+6	SSE	3	bc	46	75	39	8	-	-	5	0	2-3	-	1	2	54	52		-	-	11·0
Aldergrove	32·6	+14	E'N	2	z₀	51	85	38	6	-	-	-	0	0	-	1	*	59	38	36	-	-	11·6
Birr Castle	30·5	+18	ENE	1	b	38	97	37	7	-	-	-	0	0	-	1	*	62	34	30	-	-	7·2
Valentia Obsy.	28·6	+8	-	0	b	44	97	43	7	-	-	-	0	0	-	1	2	62	42	35	Tr	Tr	
Roches Point	29·3	+14	E'N	3	b	46	75	39	8	-	-	-	0	0	-	1	3	51	45	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III C_L C_M (13h. G.M.T. 14th April)	$wwVhN_h$	DDFWN	C_L C_M (18h. G.M.T.)	$wwVhN_h$	DDFWN	C_L C_M (01h. G.M.T. 15th April)	$wwVhN_h$	DDFWN	C_L C_M (07h. G.M.T.)	$wwVhN_h$	DDFWN
109 5-	05645	47625	00	05690	15304	00	05690	18400	00	05590	18300
115 54	02754	20226	54	02754	28126				54	02854	20325
203 01	02890	16255	00	05790	00020	00	05790	20100			
206 03	01890	00014	03	01790	08214	00	05690	00000	00	05690	23200
210 03	01790	12414	04	00790	12313	04	00790	14201	04	05690	08111
220 50	05653	13203	00	05690	14100				00	05790	16300
230 04	00790	08111	00	00790	08102	00	05690	08200	04	05690	00003
245 5-	05648	12228	50	05642	10214	00	05690	04100	00	05690	28103
260 50	05654	04226	00	05690	04214	00	05590	04100	00	08490	23103
278 00	05690	12303	00	05690	28112	00	05690	14200	00	05690	12100
279 57	05554	05525	00	00790	43522	00	00790	05300	00	05690	06200
285 13	05642	12514							00	00890	30100
288 07	00890	06301	00	05890	12300	00	05590	08100	00	43390	00040
575 10	05651	06211	00	05650	08100	00	08490	09102	00	05690	10100
301 00	05690	08523	00	00790	09500	00	05690	08300	00	05690	09300
321 00	00890	09511	00	00890	40400				00	08490	31200
299						00	00790	08300			
292 04	00790	10401				00	05690	04100	00	05690	30200
310											
614 --	05690	06500	00	00790	39400	00	05690	05400	00	05590	04200

III C_L C_M (13h. G.M.T. 14th April)	$wwVhN_h$	DDFWN	C_L C_M (18h. G.M.T.)	$wwVhN_h$	DDFWN	C_L C_M (01h. G.M.T. 15th April)	$wwVhN_h$	DDFWN	C_L C_M (07h. G.M.T.)	$wwVhN_h$	DDFWN
333 00	00790	06414	00	00790	09300	00	05690	06400	00	00890	08100
334 --	05672	12303									
340 00	05690	07610	00	00790	08400	00	05690	08300	00	05690	08300
136			00	00790	03500	03	00790	08401	00	00790	06300
336 50	05643	04413	00	00790	12300				00	00790	08400
350 00	05690	06500	00	00790	40801	00	05690	04300	00	05690	06300
368 00	05690	08512	00	05690	08400	00	05690	40500	00	05690	06400
379 00	05690	06500	00	00790	06400				00	05690	04300
390 00	05690	41500	00	00790	08401	00	00790	07400	00	00790	06200
382 00	00790	41403	00	00790	41401	00	05690	06200	00	05690	06300
438									00	05690	04400
430 00	00890	06500	00	00790	06403	00	00790	39400	00	00790	06400
409 00	00790	08322	00	00790	07200	00	05690	06800	00	00790	06100

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th 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	bcbzy	bzy	bzybz	Kew 24 hours ended 7h.
Croydon	bzby	by	bzmw	Max. 0·2 Time 7-8h. 14th
Greenwich	by	by	bxyby	Min. <0·1 Time 21-24h. 14th
Camden Square	b	b	*	
Kensington	b	bbc	*	
Hampstead				

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	58	43	35	-	-	11·3	*	*
Croydon	57	39	35	-	-	12·3	*	*
Greenwich	58	42	31	-	-	11·9	37	55
Westminster	59	44	39		-		52	66
Regents Park	59	42	35	-	-		42	54
Camden Square	61	42	35	-	-	*	*	47
Kensington	60	43	36	-	-		55	57
Hampstead							*	

BRITISH SECTION

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

SECRET

Thursday 16th April, 1942

No. 29365

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	31·7	0	E'N	4	b	57	15	10	7	–	–	–	0	0	–
	Croydon ...	31·1	+2	ENE	4	b	55	35	36	8	–	–	–	0	0	–
	S. Farnborough	30·6	-6	E	4	b	59	35	30	8	–	–	–	0	0	–
	Boscombe Down	29·9	-6	E	5	z_0	60	25	25	6	–	–	–	0	0	–
	Thorney Island	29·4	-4	E'N	4	b	61	35	33	8	–	–	–	0	0	–
	Lympne ...	30·5	-2	NNE	3	b	51	55	34	8	–	–	–	0	0	–
	Manston ...	32·1	+2	NE'E	5	b	48	65	36	7	–	–	–	0	0	–
2	Shoeburyness ...	32·9	+4	ENE	5	b	49	65	37	8	–	–	–	0	0	–
	Felixstowe ...	33·0	+6	NE'E	4	b	48	65	36	7	–	–	–	0	0	–
	Gorleston ...	35·1	+8	ENE	4	b	44	85	41	7	–	–	–	0	0	–
	Mildenhall ...	33·4	+2	E'N	4	b	59	35	31	9	–	–	–	0	0	–
	Cranwell ...	34·3	+2	E'N	4	b	58	35	36	8	–	–	–	0	0	–
3	Birmingham ...	32·1	-2	E	4	b	58	25	23	8	–	–	–	0	0	–
	Upper Heyford	31·9	-2	NE'E	4	b	59	25	24	7	–	–	–	0	0	–
4	Ross-on-Wye	31·3	0	E'N	4	b	59	35	29	8	–	–	–	0	0	–
5	Hartland Point	29·4	+2	ENE	2	b	50	75	42	7	–	–	–	0	0	–
	Bristol ...	30·8	-6	E'N	4	b	60	35	33	7	–	–	–	0	0	–
	Portland Bill ...	28·8	-4	E	4	b	51	85	47	8	–	–	–	0	0	–
	Plymouth ...	28·7	+2	E	5	z_0	57	35	30	7	–	–	–	0	0	–
	The Lizard ...	27·2	+6	NE'E	5	bc	53	75	46	7	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	27·8	+14	E'N	4	b	57	75	47	7	–	–	–	0	0	–
	Guernsey ...															
6	Pembroke ...	30·8	+2	SE'S	2	b	53	65	42	7	–	–	–	0	0	–
7	Holyhead (Valley)	31·5	-2	NE	2	b	62	35	37	7	–	–	–	0	0	–
	Chester (Sealand)	32·7	-6	SE'E	2	z_0	63	35	34	6	–	–	–	0	0	–
8	Manchester ...	33·3	-6	E	3	b	61	35	31	6	–	–	–	0	0	–
10	Spurn Head ...	35·6	+2	E'S	3	b	46	92	44	7	–	–	–	0	0	–
	Catterick ...	35·2	-2	SE	2	b	60	35	35	7	–	–	–	0	0	–
	Tynemouth ...	35·2	-4	SE	3	bc	47	75	40	7	–	4	–	0	2-3	–
11	St. Abbs Head	34·8	0	ESE	3	b	47	85	44	7	5	–	–	Tr	Tr	3000
	Leuchars ...	34·0	-2	E	1	z_0	55	65	43	6	–	–	1	0	1	–
12	Renfrew (Abbots I.)	33·4	-10	N'E	1	z_0	61	35	36	5	–	–	–	0	0	–
	Eskdalemuir ...	33·1	-4	S	2	b	63	15	10	8	5	4	1	Tr	Tr	3700
	Point of Ayre ...	34·0	-2	SE'S	3	b	56	55	40	8	–	–	1	0	Tr	–
13A	Tiree	32·0	0	SSE	3	b	54	75	46	7	–	–	5	0	1	–
13B	Stornoway ...	31·9	+2	SSW	3	c	59	65	46	7	–	–	7	0	10	–
15	Dalwhinnie ...	33·1	-2	SSW	3	b	66	25	38	8	–	–	1	0	Tr	–
	Aberdeen ...	33·5	-8	S'W	2	z_0	55	65	42	6	–	–	8	0	Tr	–
	Wick ...	32·5	-2	SE'S	2	z_0	49	85	44	5	–	–	–	0	0	–
16	Sumburgh ...	32·6	+6	WSW	3	z_0	50	75	44	6	–	–	–	0	0	–
17	Blacksod Point	30·0	+2	–	0	bc	62	65	50	6	5	–	–	4-6	4-6	1500
18	Malin Head ...	31·1	+2	E'N	1	b	62	55	56	8	–	–	–	0	0	–
	Aldergrove ...	32·7	0	SE'E	3	b	59	45	40	7	–	–	5	0	1	–
19	Birr Castle ...	30·4	-2	S	2	b	64	45	43	7	–	–	–	0	0	–
20	Valentia Obsy.	29·2	0	W	2	b	58	75	50	8	–	–	–	0	0	–
	Roches Point	30·6	+4	E	4	b	52	75	44	8	–	–	–	0	0	–

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)	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)	30·9	+4	ENE	4	z_0	53	15	14	6	–	–	–	0	0	–	1	*
	Croydon ...	30·2	-2	ENE	5	b	50	35	30	7	–	–	–	0	0	–	0	*
	S. Farnborough	30·2	+2	E'N	5	b	54	25	21	8	–	–	–	0	0	–	0	*
	Boscombe Down	29·5	-4	E'N	5	b	57	15	10	8	–	–	–	0	0	–	0	*
	Thorney Island	28·8	0	NE'E	4	b	55	25	22	9	–	4	–	0	Tr	–	0	*
	Lympne ...	29·9	-6	NE	4	b	47	45	28	8	–	–	–	0	0	–	0	*
	Manston ...	30·9	-4	NE	5	b	46	65	36	8	–	–	–	0	0	–	0	*
2	Shoeburyness ...	31·7	-2	NE'N	4	b	47	65	36	8	–	–	–	0	0	–	0	*
	Felixstowe ...	32·0	-6	NE	4	b	47	65	35	8	–	–	–	0	0	–	0	3
	Gorleston ...	33·2	-10	NE'E	3	b	45	75	38	8	–	–	–	0	0	–	0	3
	Mildenhall ...	32·5	0	E'N	4	b	54	45	31	9	–	–	–	0	0	–	0	*
	Cranwell ...	33·2	0	E'N	5	b	50	35	25	8	–	–	–	0	0	–	0	*
3	Birmingham ...	31·1	0	ENE	3	b	60	35	32	8	–	–	–	0	0	–	0	*
	Upper Heyford	30·9	+4	E'N	3	b	58	35	36	7	–	–	–	0	0	–	0	*
4	Ross-on-Wye	30·0	-6	ENE	4	b	60	35	39	8	–	–	–	0	0	–	0	*
5	Hartland Point	27·9	-8	NNE	2	b	52	55	38	7	–	–	–	0	0	–	0	3
	Bristol ...	29·1	-6	E	4	b	60	35	30	8	–	–	–	0	0	–	0	*
	Portland Bill ...	27·8	+2	E	4	bc	49	85	45	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	27·9	+2	E	3	b	56	45	37	7	–	–	–	0	0	–	0	3
	The Lizard ...	26·7	+6	ENE	5	bc	50	75	41	7	4	–	–	2-3	2-3	2500	0	5
	Scilly (St. Mary's)	27·2	-2	E	3	b	58	65	42	8	–	–	–	0	0	–	0	4
	Guernsey ...																	
6	Pembroke ...	29·8	-2	NW	3	b	56	55	40	7	–	–	–	0	0	–	0	1
7	Holyhead (Valley)	30·3	-6	NE	2	z_0	60	45	40	6	–	–	–	0	0	–	0	2
	Chester (Sealand)	31·6	-2	ESE	2	z_0	63	35	35	6	–	–	–	0	0	–	0	*
8	Manchester ...	31·5	-6	E'N	3	b	60	35	34	8	–	–	–	0	0	–	0	*
10	Spurn Head ...	34·5	-8	E	3	b	44	85	39	7	–	–	1	0	Tr	–	0	3
	Catterick ...	33·6	+2	SSE	2	b	59	35	38	8	–	–	1	0	Tr	–	0	*
	Tynemouth ...	34·1	-2	SSW	3	bc	45	75	39	7	–	4	1	0	2-3	–	1	3
11	St. Abbs Head	32·0	-4	SE	4	b	47	75	40	7	5	–	–	Tr	Tr	3000	0	3
	Leuchars ...	32·4	-4	NE	1	z_0	50	75	41	6	–	–	–	0	0	–	0	*
12	Renfrew (Abbots I.)	31·8	-2	W'S	2	z_0	63	35	34	6	–	–	1	0	Tr	–	1	*
	Eskdalemuir ...	31·3	-4	SW	1	b	64	35	35	8	5	–	–	Tr	Tr	3800	1	*
	Point of Ayre ...	32·2	-10	ESE	1	b	50	75	41	7	–	–	–	0	0	–	0	1
13A	Tiree	30·9	-4	SE'S	2	b	51	75	44	7	–	–	5	0	Tr	–	0	3
13B	Stornoway ...	30·7	-4	S	3	c	55	65	45	8	–	–	2	0	9	–	1	2
15	Dalwhinnie ...	31·4	-4	SW	2	bc	57	45	35	8	–	–	1	0	2-3	–	0	*
	Aberdeen ...	31·8	-8	S'W	2	z_0	53	55	37	6	–	–	6	0	Tr	–	1	2
	Wick ...	32·7	-2	ENE	2	z_0	48	75	42	7	–	–	8	0	2-3	–	0	*
16	Sumburgh ...	32·3	0	WSW	2	z_0	47	85	44	6	–	–	6	0	4-6	–	0	2
17	Blacksod Point	29·2	-2	W'N	1	b	59	75	51	7	–	–	–	0	0	–	0	1
18	Malin Head ...	29·9	-6	SE	2	b	62	55	46	8	–	–	1	0	2-3	–	0	2
	Aldergrove ...	31·4	-4	SE'E	2	z_0	56	55	41	6	–	–	1	0	Tr	–	1	*
19	Birr Castle ...	29·6	-2	SE	1	b	61	55	45	7	–	–	–	0	0	–	1	*
20	Valentia Obsy.	28·5	-2	SE'E	3	b	62	45	41	7	–	–	–	0	0	–	1	2
	Roches Point	30·0	-4	E	5	b	53	75	45	8	–	–	–	0	0	–	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 15th. (39)	Weather. 13h.–18h. 15th (40)	Weather. 18h.–1h. 15th/16th (41)	Weather. 1h.–7h. 16th (42)
1	London (Kew)	bz₀by	bz₀y	bzy	bzy
	Croydon ...	bz₀b	byz	bybz	bmwzy
	S. Farnborough	bm₀z₀by	by	byb	bzy
	Boscombe Down	bz₀y	bz₀y	by,bzy	bzy
	Thorney Island	by	by	by	by
	Lympne ...	bz₀	by	byb	b
	Manston ...	bz₀b	bbyb	b	bbc
2	Shoeburyness ...	b	b	b	bxbc
	Felixstowe ...	b	byb	b	bc
	Gorleston ...	b	b	b	b
	Mildenhall ...	by	by	byb	bx
	Cranwell ...	by	by	b	byb
3	Birmingham ...	mby	by	b	bz
	Upper Heyford	by	by	by	bybby
4	Ross-on-Wye	bby	by	by	b
5	Hartland Point	b	by	bcy	cbcy
	Bristol ...	bm bz₀b	by	b	bz₀zw
	Portland Bill ...	bcb	bc	b	bcbc
	Plymouth ...	bz₀y	bz₀y	byb	by
	The Lizard ...	bc	bc	bc	c
	Scilly (St. Mary's)	b	b	b	c
	Guernsey ...				
6	Pembroke ...	bcb	by	bzy	bc
7	Holyhead (Valley)	by	by	byz₀b	bwz₀
	Chester (Sealand)	bz₀y	bz₀y	bzy	bzy
8	Manchester ...	bz₀y	by	bzy	bzzx
10	Spurn Head ...	b	b	b	b
	Catterick ...	bm₀by	by	bbz₀w	bm₀wbm₀
	Tynemouth ...	bbc	bc	bcb	bm₀ffs
11	St. Abbs Head	bm₀bz₀	bz₀	bm₀	bcuz
	Leuchars ...	bm₀bz₀	bz₀bm₀	bm₀	bm₀w
12	Renfrew (Abbots I.)	bf z₀y	bz₀y	bzym	bfbcm
	Eskdalemuir ...	by	by	b	bx
	Point of Ayre ...	by	b	b	b
13A	Tiree	b	b	b	b
13B	Stornoway ...	c	c	c,b	bc
15	Dalwhinnie ...	bcy	bcy	bz₀	bz₀f
	Aberdeen ...	bcbz₀	bz₀	bz₀	bcm₀
	Wick ...	bm₀	bcz₀bz₀	bm₀	b,c
16	Sumburgh ...	bm₀	bm₀	bm₀	b,c
17	Blacksod Point	bc	b	b	b
18	Malin Head ...	b	b	bc	b
	Aldergrove ...	bz₀by	bybz₀y	bz₀	bz₀
19	Birr Castle ...	b	b		b
20	Valentia Obsy.	b	b	b	b
	Roches Point	b	b	b	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light or moderate east to southeast wind. Fine. Local coast fog. Rather warm during day. Cold at night with ground frost.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southeast to south wind. Fine. Local coast fog. Rather warm during day with ground frost.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 15 and 16.

GENERAL INFERENCE

An anticyclone centred over the North Sea covers the British Isles. Weather will be fair or fine and rather warm.

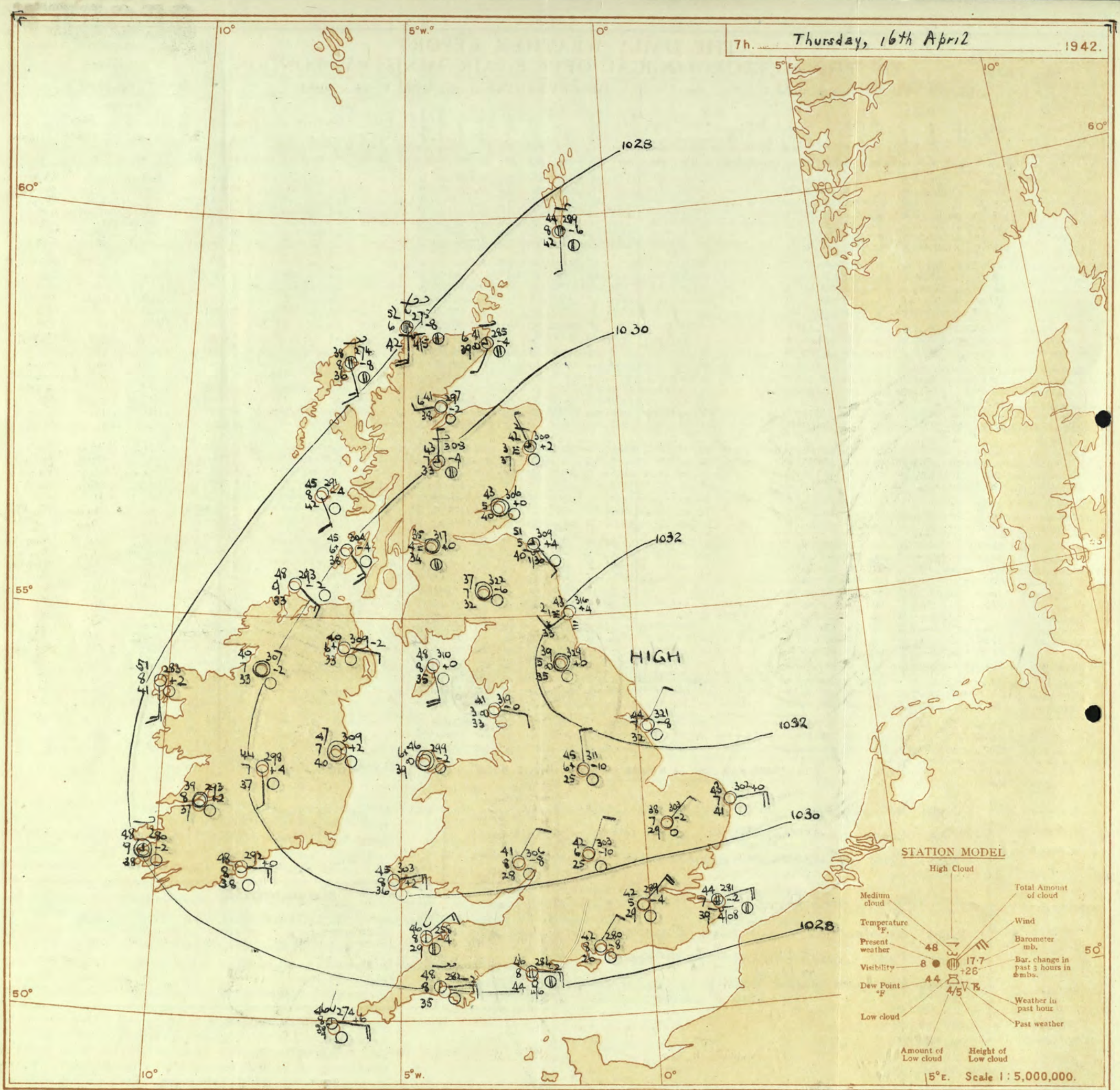
FURTHER OUTLOOK

Little change.

Forecasts issued at 10.30. G.M.T.

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

7h. Thursday, 16th April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

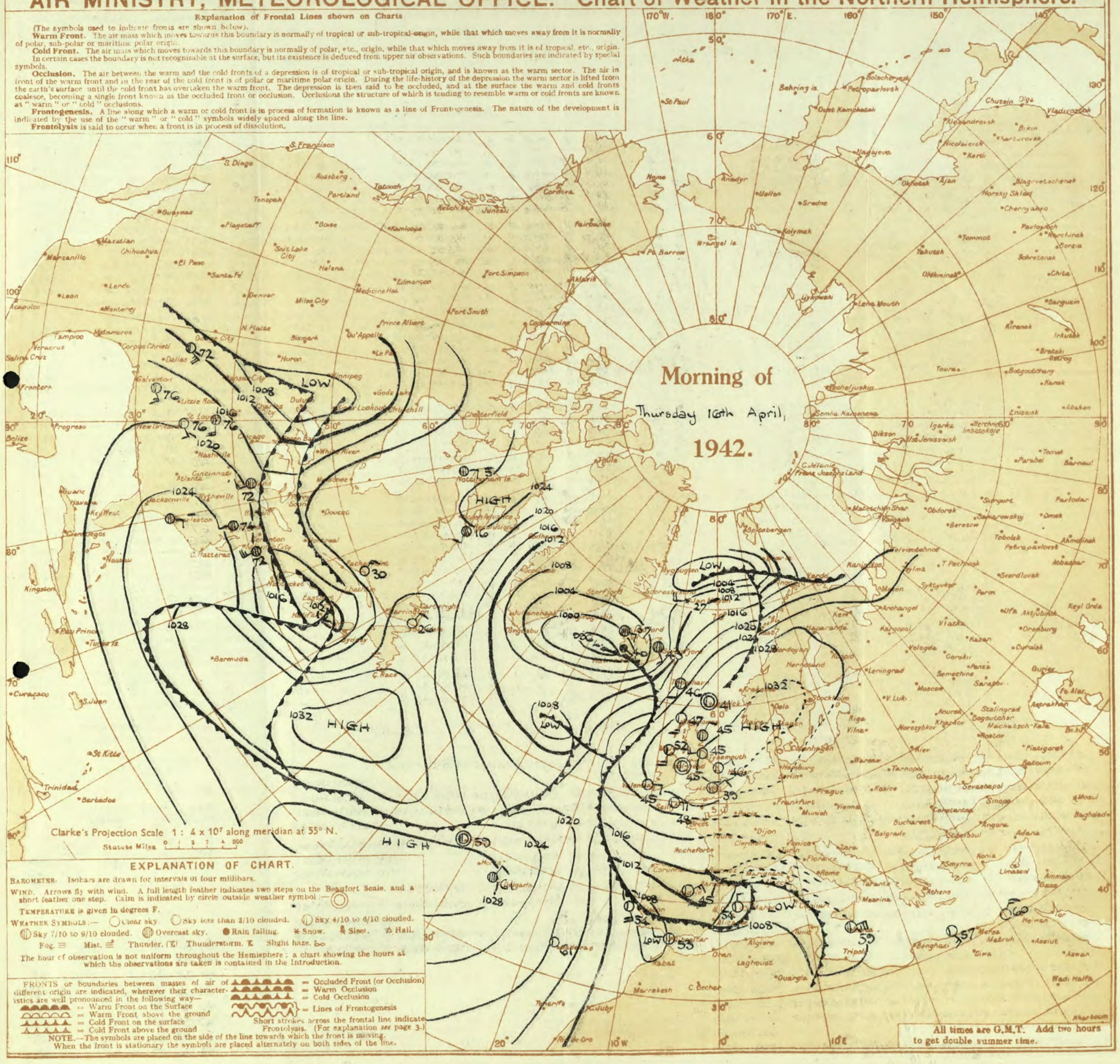
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 16th April 1942

No. 29365

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon	290	30.7	-2	NE'E	2	z_0	39	75	31	6	-	-	-	0	0	-
	S. Farnborough	226	31.1	-4	-	0	z	39	75	32	6	-	-	-	0	0	-
	Boscombe Down	417	30.8	-2	E	3	z_0	42	45	25	6	-	-	-	0	0	-
	Thorney Island	10	29.9	-6	NE'E	4	b	43	75	34	8	-	-	-	0	0	-
	Lympne	293	30.2	0	NE	3	b	41	65	34	8	-	-	-	0	0	-
	Manston	154	30.6	-6	NE	4	b	42	75	33	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	31.1	-12	N'E	3	b	40	65	28	8	-	-	-	0	0	-
	Gorleston	5	31.9	-6	NE	4	b	43	65	33	7	-	-	-	0	0	-
	Mildenhall	15	32.1	-10	-	0	b	34	85	31	8	-	-	-	0	0	-
	Cranwell	203	32.7	-10	ENE	1	b	37	85	32	7	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	32.0	-4	ENE	1	b	41	55	28	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28.7	0	NE	3	b	50	25	18	7	-	-	-	0	0	-
	Bristol	209	31.1	-2	ENE	2	b	42	45	26	7	-	-	-	0	0	-
	Portland Bill	32	29.2	+6	E	4	b	46	92	44	8	-	-	-	0	0	-
	Plymouth	82	28.7	0	ENE	5	b	49	35	21	7	-	-	-	0	0	-
	The Lizard	240	27.2	-4	ENE	6	bc	47	75	38	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	27.7	-2	E	4	b	48	75	40	8	-	-	-			
	Guernsey	175															
6	Pembroke	142	30.3	0	E	3	z_0	49	55	35	6	-	-	-	0	0	-
7	Holyhead (Valley)	32	30.6	-4	-	0	b	45	75	38	7	-	-	-	0	0	-
	Chester (Sealand)	16	32.5	-6	SE	1	z_0	44	55	28	5	-	-	-	0	0	-
8	Manchester	235	32.7	-4	-	0	z_0	40	55	28	6	-	-	-	0	0	-
10	Spurn Head	29	33.3	-2	NE	1	b	46	85	42	7	-	-	-	0	0	-
	Catterick	175	33.3	-8	-	0	z_0	38	75	32	6	-	-	-	0	0	-
	Tynemouth	108	32.0	-6	WSW	3	b	45	85	38	7	-	-	-	0	0	-
11	St. Abbs Head	280	32.2	+6	-	0	z_0	46	85	42	6	-	-	-	0	0	-
	Leuchars	36	31.3	-10	-	0	z_0	42	85	38	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	31.7	-6	-	0	m	38	85	35	4	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	31.6	-6	S'W	4	b	48	65	36	7	-	-	-	0	0	-
13A	Tiree	22	29.5	-10	SSE	2	b	45	85	41	8	-	-	-	0	0	-
13B	Stornoway	80	28.4	-14	S	3	b	47	85	44	7	5	-	-	1	1	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	30.9	-8	NNE	1	z_0	45	75	38	6	-	-	5	0	2-3	-
	Wick	114	29.8	-14	-	0	z_0	40	97	39	6	-	-	-	0	0	-
16	Sumburgh	19	30.7	-12	-	0	z_0	41	97	41	6	-	-	-	0	0	-
17	Blacksod Point	18	29.1	-2	S	3	b	52	65	41	7	-	-	1	0	Tr	-
18	Malin Head	84	29.7	-2	S	3	b	43	45	30	8	-	-	-	0	0	-
	Aldergrove	268	31.4	-2	-	0	z_0	41	75	33	6	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.9	-10	E	2	b	45	65	34	8	-	-	-	0	0	-
	Roches Point	22	29.9	-6	ENE	2	b	45	85	41	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 16th 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)	29.1	-8	NE'N	2	z_0	44	35	19	9	-	-	-	0	0	-	0	*
Croydon	28.9	-4	NE	4	z_0	42	45	29	5	-	-	-	0	0	-	-	*
S. Farnborough	29.4	-6	NE'N	3	b	40	55	26	8	-	-	-	0	0	-	0	*
Boscombe Down	29.5	-6	NNE	2	b	39	65	27	7	-	-	-	0	0	-	0	*
Thorney Island	28.0	-8	NNE	1	b	42	55	26	8	-	-	-	0	0	-	0	*
Lympne	28.4	+2	ENE	4	bc	43	75	37	8	5	-	-	2-3	2-3	2000	0	§4
Manston	28.1	-2	NE'E	4	bc	44	85	37	7	5	-	-	4-6	4-6	800	0	*
Shoeburyness	28.9	-6	NNE	3	c	40	85	37	8	5	-	-	7-8	7-8	2300	0	*
Felixstowe	29.4	-2	NE'E	4	c	43	85	37	8	5	-	-	7-8	7-8	1500	0	3
Gorleston	30.2	0	ENE	4	b	43	92	41	7	-	-	-	0	0	-	0	3
Mildenhall	30.3	-2	NE'N	1	b	38	75	30	7	-	-	-	0	0	-	0	*
Cranwell	31.1	-10	NNW	2	z_0	45	45	26	6	-	-	-	0	0	-	0	*
Birmingham	31.4	-4	NNE	2	z_0	43	55	29	5	-	-	-	0	0	-	0	*
Upper Heyford	30.3	-10	NE'N	2	z_0	42	55	25	6	-	-	-	0	0	-	0	*
Ross-on-Wye	30.6	-8	NNE	2	b	41	55	27	8	-	-	-	0	0	-	0	*
Hartland Point	29.8	-4	NE	3	bc	46	55	31	8	-	4	-	0	2-3	·	1	3
Bristol	30.5	-6	NE	1	m	40	65	29	4	-	-	-	0	0	-	0	*
Portland Bill	28.4	-2	E	3	bc	46	92	44	8	2	-	-	4-6	4-6	4000	1	4
Plymouth	28.2	-2	ENE	3	bc	48	55	35	8	-	-	2	0	2-3	-	0	3
The Lizard	26.7	-4	NE'E	5	bc	46	75	38	7	4	-	-	2-3	2-3	2500	0	3
Scilly (St. Mary's)	27.4	+6	E	4	b	46	75	39	8	-	4	-	0	Tr	-	0	4
Guernsey																	
Pembroke	30.2	-2	NE'E	3	bc	47	75	38	7	5	4	-	2-3	2-3	3000	0	2
Holyhead (Valley)	29.9	-2	-	0	b	46	75	39	6	-	-	-	0	0	-	0	·
Chester (Sealand)	31.4	-6	SE	1	z_0	42	55	28	5	-	-	-	0	0	-	0	*
Manchester	31.8	-4	-	0	m	39	75	32	4	-	-	-	0	0	-	0	*
Spurn Head	32.1	-8	NNE	2	b	44	65	32	7	-	-	1	0	0	-	0	2
Catterick	32.9	0	-	0	b	39	85	35	5	-	-	-	0	0	-	0	*
Tynemouth	31.6	+4	SW	3	bf4	43	65	32	2	-	-	-	0	0	-	0	2
St. Abbs Head	30.9	+4	SE	1	z_0	51	65	40	5	5	-	-	Tr	Tr	3000	0	2
Leuchars	30.6	0	-	0	b	43	92	40	5	-	-	-	0	0	-	1	*
Renfrew (Abbots I.)	31.7	0	-	0	m	35	97	34	4	-	-	-	0	0	-	1	*
Eskdalemuir	32.2	-6	-	0	b	37	85	32	7	-	-	-	0	0	-	1	*
Point of Ayre	31.0	0	S'E	4	b	48	65	33	8	-	-	-	0	0	-	1	3
Tiree	29.0	0	SSE	2	b	45	92	43	7	-	-	5	0	Tr	-	0	3
Stornoway	27.1	-8	SSE	3	bc	48	92	46	8	-	-	2	0	4-6	-	1	2
Dalwhinnie	30.5	-4	N	1	b	43	65	32	7	-	-	1	0	1	-	1	*
Aberdeen †	30.8	+2	NW	1	bf	42	85	37	3	-	-	5	0	Tr	-	1	2
Wick	28.5	-4	SSW	1	b	41	92	39	6	-	-	1	0	1	-	0	*
Sumburgh	28.9	-6	S	1	c	44	92	42	8	-	-	8	0	9	-	0	1
Blacksod Point	28.3	+2	S	3	b	51	65	40	8	-	-	-	0	0	-	0	2
Malin Head	29.3	-2	SE	3	b	48	55	33	9	-	-	-	0	0	-	0	2
Aldergrove	30.9	-2	ESE	1	z_0	40	75	33	6	-	-	-	0	0	-	1	*
Birr Castle	29.8	+4	S	1	b	44	75	37	7	-	-	-	0	0	-	1	*
Valentia Obsy.	28.0	-2	-	0	b	48	65	37	9	1	-	1	0	Tr	-	1	2
Roches Point	29.2	0	E	3	b	48	65	37	8	-	-	-	0	0	-	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 15th Hrs. (38)
London (Kew)	58	40	30	-	-	12.2
Croydon	56	33	27	-	Tr	12.0
S. Farnborough	61	34	24	-	-	12.6
Boscombe Down	62	34	29	-	-	12.4
Thorney Island	61	37	38	-	-	
Lympne	51	33	32	-	-	12.8
Manston	49	41	38	-	-	12.6
Shoeburyness	51	35	26	-	-	12.4
Felixstowe	49	37	34	-	-	12.9
Gorleston	46	42	37	-	-	13.0
Mildenhall	61	28	19	-	Tr	11.8
Cranwell	59	34	33	-	-	13.2
Birmingham	63	37	26	-	-	11.4
Upper Heyford	62	35	28	-	-	*
Ross-on-Wye	62	37	24	-	-	12.7
Hartland Point	54	44	42	-	-	12.3
Bristol	63	37	25	-	-	12.6
Portland Bill	51	40	*	-	-	*
Plymouth	61	44	38	-	-	12.6
The Lizard	54	46	*	-	-	12.5
Scilly (St. Mary's)	57	45	*	-	-	12.7
Guernsey						
Pembroke	57	39	*	-	-	12.5
Holyhead (Valley)	65	40	33	-	-	*
Chester (Sealand)	65	39	33	-	-	12.4
Manchester	64	34	26	-	-	*
Spurn Head	48	39	*	-	-	12.9
Catterick	64	34	30	-	-	12.5
Tynemouth	48	39	37	-	-	*
St. Abbs Head	51	44	*	-	-	*
Leuchars	58	39	33	-	-	9.9
Renfrew (Abbots I.)	67	33	26	Tr	-	8.8
Eskdalemuir	66	31	24	-	-	*
Point of Ayre	56	44	*	-	-	11.5
Tiree	55	43	*	-	-	12.7
Stornoway	59	46	*	-	-	8.9
Dalwhinnie	66	29	23	-	-	11.4
Aberdeen †	56	37	29	-	-	11.6
Wick	56	36	32	-	-	*
Sumburgh	51	41	29	-	-	10.9
Blacksod Point	65	46	*	-	-	*
Malin Head	65	45		-	-	12.5
Aldergrove	61	36	29	-	-	12.2
Birr Castle	65	35	30	-	-	
Valentia Obsy.	63	44	33	-	Tr	
Roches Point	55	43	*	-	-	*

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	00	05690	25401	00	05590	00000	00	05690	16300	00	05690	17104
115	54	02654	20225	54	01654	12225	54	01653	16214	54	02654	16416
203	00	05790	16310	00	05730	08110	00	00890	16200	00	05890	16400
206	00	05690	00002	00	00790	04100	00	05690	00000	00	05690	22100
210	00	05690	06300	00	00790	07300	00	05690	20100	00	05590	16201
220	00	05790	14400	00	00790	14200				00	05790	14300
230	00	05690	30101	00	05690	20200	00	05690	00000	00	05590	00000
245	50	00771	15401	5-	01754	15115	00	05690	20100	00	05690	24101
260	00	05690	01100	00	05590	02100	00	05590	06140	00	08490	20100
278	00	00890	14401	00	00790	13300	00	05690	14100	00	05690	14200
279	00	00790	28101	00	00790	21201	00	00790	00000	00	05590	04100
285	00	00890	10400							10	00851	32401
288	00	05590	02240	00	05590	00001	00	05690	16100	00	00790	20122
575				00	05790	10100	00	05690	12100	00	05790	00000
301	00	05590	12300	00	05690	11300	00	05690	09200	00	17390	10200
321	00	00890	08300	00	00890	08301	00	00790	00000	04	05590	29101
299	00	00790	08200	00	00790	08201	00	00790	00000	40	00761	00001
292	00	00890	07200	04	00890	10201	00	00790	00000	00	05590	00000
310	--	05641	04411							--	00690	08300
614	00	00790	08400	10	00861	06301	00	05690	00000	00	05690	02100

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	00	00890	16100	00	00790	31200	00	00890	12100			
334	--	00790	10201							--	00690	00002
340	00	05690	09400	00	00890	10300	00	00790	12100	00	05690	00000
136	00	00590	06300	00	00890	07300	00	00890	04200	00	00890	03301
330	00	00790	08400	00	00790	08300				0*	01790	08312
350	00	00890	06400	03	00890	38301	00	05690	06200	00	00790	03300
368	00	00790	06400	00	00890	06400				00	00790	06201
379	00	00890	06400	00	00990	06340				00	05690	04300
390	00	00790	x6400	00	00790	08300	00	00790	06300			
382				00	00890	06400	00	00790	04100	00	00790	03201
438	00	05790	04400							00	00890	04400
450	00	00890	06400	00	00890	06400	00	00890	37400	00	00790	02300
400	00	00790	08500	00	00790	04300	00	05690	04100	05	00890	06301

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 16th 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_0by	bz_0y	bz_0y
Croydon	bz_0b	by	$bybz_0w$
Greenwich	by	by	by
Camden Square	b	b	*
Kensington	bzb	b	*
Hampstead	bc	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.2, Time 7h on 15th; Min. <0.1, Time 0-1h on 16th.

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	40	30	-	-	12.2	*	*
Croydon	56	33	27	-	Tr	12.0	*	*
Greenwich	57	39	26	-	-	12.5	20	57
Westminster	59	40	34	-			37	65
Regents Park	60	39	31	-	-		53	43
Camden Square	62	39	31	-	-	*	*	53
Kensington	61	39	34	-	-		27	57
Hampstead	58	36	32	-	-		*	58

BRITISH SECTION

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

SECRET

Friday 17th April 1942

No. 29366

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)	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)	26·6	-14	E'N	4	z	56	35	31	6	-	-	-	0	0	-
	Croydon	27·1	-8	ENE	4	b	53	45	34	8	1	-	-	Tr	Tr	3000
	S. Farnborough	26·3	-14	E	5	b	59	45	37	8	-	-	-	0	0	-
	Boscombe Down	26·1	-18	E'N	5	b	59	45	38	8	-	-	-	0	0	-
	Thorney Island	25·4	-16	NE	4	b	58	45	35	8	-	-	-	0	0	-
	Lympne	27·1	-6	ENE	4	b	50	55	36	7	-	-	-	0	0	-
	Manston	27·6	-8	NE'E	4	z	49	75	40	6	-	-	-	0	0	-
2	Shoeburyness	28·2	-6	NE'E	4	b	49	75	42	7	5	-	-	Tr	Tr	2500
	Felixstowe	28·9	-6	NE'E	4	b	48	75	41	7	5	-	-	Tr	Tr	800
	Gorleston	30·7	0	ENE	3	b	45	85	40	7	-	-	-	0	0	-
	Mildenhall	28·8	-6	ENE	4	b	61	45	37	8	-	-	-	0	0	-
	Cranwell	29·5	-12	ENE	4	b	60	45	39	8	-	-	-	0	0	-
3	Birmingham	27·7	-12	ENE	4	b	60	25	25	7	-	-	-	0	0	-
	Upper Heyford	29·2	-18	ENE	5	b	60	35	35	7	-	-	-	0	0	-
4	Ross-on-Wye	26·9	-16	NE'E	4	b	60	25	29	8	-	-	-	0	0	-
5	Hartland Point	25·5	-20	NE	3	b	50	65	39	7	-	-	-	0	0	-
	Bristol	26·6	-22	NE	4	b	61	35	29	8	-	-	-	0	0	-
	Portland Bill	25·1	-12	E	3	bc	53	92	49	8	2	-	-	4·6	4·6	4000
	Plymouth	24·6	-20	E	4	b	60	35	33	8	-	-	-	0	0	-
	The Lizard	24·6	-10	NE	3	bc	54	55	39	8	7	-	-	2·3	2·3	3500
	Scilly (St. Mary's)	26·0	-2	NE	4	b	54	75	46	8	-	-	-	0	0	-
	Guernsey															
6	Pembroke	26·7	-26	NNE	4	b	64	45	44	8	-	-	-	0	0	-
7	Holyhead (Valley)	28·0	-16	NE	2	z	66	65	52	7	-	-	-	0	0	-
	Chester (Sealand)	28·1	-24	E	2	z	68	35	39	6	-	-	-	0	0	-
8	Manchester	28·5	-18	E	3	z	67	35	38	6	-	-	-	0	0	-
10	Spurn Head	30·8	-4	E'N	3	b	48	75	39	7	-	-	1	0	Tr	-
	Catterick	30·1	-16	SSE	2	b	68	35	35	8	-	-	-	0	0	-
	Tynemouth	31·0	-4	SSE	3	z	54	45	34	6	5	-	-	2·3	2·3	2500
11	St. Abbs Head	29·4	-16	ESE	3	z	56	65	43	5	-	-	-	0	0	-
	Leuchars	28·9	-12	ESE	2	z	68	45	44	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	29·2	-14	SW	2	z	67	25	33	6	-	-	-	0	0	-
	Eskdalemuir	28·7	-6	S	2	b	66	35	38	8	5	-	-	1	1	3000
	Point of Ayre	30·2	-8	SE	2	b	57	55	42	8	-	-	-	0	0	-
13A	Tiree	28·3	-6	S'W	4	b	59	55	43	7	-	-	-	0	0	-
13B	Stornoway	26·4	+6	S	7	b	57	65	45	8	-	-	8	0	1	-
15	Dalwhinnie	26·5	-2	SW	3	b	64	25	28	7	-	-	1	0	1	-
	Aberdeen	28·1	-10	S'E	3	z	67	35	40	6	-	-	-	0	0	-
	Wick	26·7	-10	SE'S	2	z	66	45	41	7	-	-	-	0	0	-
16	Sumburgh	27·7	-6	SW	2	bc	52	75	48	7	-	-	2	0	2-3	-
17	Blacksod Point	27·4	-6	S	3	b	60	55	44	7	-	-	-	0	0	-
18	Malin Head	27·9	-10	SSE	1	b	64	35	36	8	-	-	-	0	0	-
	Aldergrove	29·0	-10	S'E	1	z	67	45	43	6	-	-	-	0	0	-
19	Birr Castle	22·7	-16	SSE	1	b	65	45	44	7	-	-	-	0	0	-
20	Valentia Obsy.	26·5	-12	S'W	4	b	63	55	47	8	-	-	-	0	0	-
	Roches Point	28·2	-6	E	3	b	53	75	45	8	-	-	-	0	0	-

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)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	24·8	-8	ENE	4	b	54	35	26	7	-	-	-	0	0	-	0	•
	Croydon	24·8	-10	ENE	5	b	51	45	28	8	-	-	-	0	0	-	0	•
	S. Farnborough	23·4	-10	E	4	b	53	45	33	8	-	-	-	0	0	-	0	•
	Boscombe Down	23·9	-6	E'N	4	b	55	35	30	8	-	-	-	0	0	-	0	•
	Thorney Island	23·3	-6	NE'E	5	b	54	45	31	8	-	-	-	0	0	-	0	•
	Lympne	24·1	-16	NE	4	b	48	45	30	8	-	-	-	0	0	-	0	§ 5
	Manston	24·9	-14	NE'N	5	z	46	75	37	6	-	-	-	0	0	-	0	•
2	Shoeburyness	25·4	-12	NE'N	4	b	47	55	33	8	-	-	-	0	0	-	0	•
	Felixstowe	26·0	-6	NE	4	b	49	35	25	8	-	-	-	0	0	-	0	3
	Gorleston	27·5	-22	NE'E	3	b	45	85	40	7	-	-	-	0	0	-	0	3
	Mildenhall	26·6	-8	ENE	4	b	55	25	24	8	-	-	-	0	0	-	0	•
	Cranwell	27·5	-8	ENE	4	b	54	55	36	8	-	-	-	0	0	-	0	•
3	Birmingham	25·6	-8	NE	4	b	59	35	31	8	-	-	-	0	0	-	0	•
	Upper Heyford	24·8	-10	E'N	4	b	57	35	30	8	-	-	-	0	0	-	0	•
4	Ross-on-Wye	24·1	-14	E'N	4	b	60	35	35	8	-	-	-	0	0	-	0	•
5	Hartland Point	22·1	-18	NNE	4	b	52	75	45	7	-	-	-	0	0	-	0	3
	Bristol	23·5	-12	E'S	4	b	60	45	35	8	-	-	-	0	0	-	0	•
	Portland Bill	22·5	-12	E	3	be	47	85	43	8	2	-	-	4·6	4·6	4000	1	4
	Plymouth	22·5	-10	ESE	3	z	54	55	38	8	-	-	-	0	0	-	0	3
	The Lizard	22·2	-10	NE'E	2	bc	50	75	42	8	7	-	-	2·3	2·3	3500	0	4
	Scilly (St. Mary's)	22·9	-14	ENE	2	b	52	65	41	8	-	-	-	0	0	-	0	4
	Guernsey																	
6	Pembroke	23·9	-18	NNE	3	b	58	55	43	8	-	-	-	0	0	-	0	2
7	Holyhead (Valley)	25·4	-12	ENE	2	z	56	45	36	6	-	-	-	0	0	-	0	1
	Chester (Sealand)	25·8	-12	WNW	1	z	57	55	42	6	-	-	-	0	0	-	0	•
8	Manchester	26·1	-12	E	3	b	62	35	38	7	-	-	-	0	0	-	0	•
10	Spurn Head	27·6	-24	ENE	3	b	44	85	41	7	-	-	-	0	0	-	0	2
	Catterick	28·1	-8	SE	2	b	61	35	32	8	-	-	-	0	0	-	0	•
	Tynemouth	29·1	-4	SSE	3	b	48	55	35	8	-	-	-	0	0	-	0	2
11	St. Abbs Head	27·6	-2	ESE	3	z	50	75	45	6	5	-	-	2·3	2·3	3000	0	1
	Leuchars	26·8	-24	ESE	2	z	62	55	45	6	-	-	-	0	0	-	0	•
12	Renfrew (Abbots I.)	26·7	-10	W'N	1	z	68	45	45	6	-	-	1	0	1	-	0	•
	Eskdalemuir	26·3	-14	W'S	1	b	65	45	45	7	-	-	-	0	0	-	1	•
	Point of Ayre	27·1	-6	N'E	1	b	55	45	40	8	-	-	-	0	0	-	0	0
13A	Tiree	26·4	-6	-	0	b	56	65	45	7	-	-	-	0	0	-	0	2
13B	Stornoway	26·4	+2	SSE	5	b	54	65	41	8	-	-	8	0	1	-	0	3
15	Dalwhinnie	26·5	-10	W	1	b	59	45	38	7	-	-	-	0	0	-	0	•
	Aberdeen	26·3	-4	SSW	3	z	62	35	35	6	-	-	-	0	0	-	0	2
	Wick	25·8	-6	SE	3	z	53	55	39	6	-	-	5	0	2-3	-	0	•
16	Sumburgh	26·3	-10	SW	1	bc	50	75	42	7	-	-	2	0	2-3	-	0	1
17	Blacksod Point	25·6	-6	-	0	b	58	55	42	8	-	-	-	0	0	-	0	1
18	Malin Head	26·0	-10	E	1	b	57	65	45	7	-	-	-	0	0	-	0	1
	Aldergrove	26·6	-14	SE'E	2	b	63	45	42	8	-	-	-	0	0	-	0	•
19	Birr Castle	24·6	-18	SE	1	b	67	45	45	7	-	-	-	0	0	-	1	•
20	Valentia Obsy.	24·7	-10	SW'S	2	b	61	45	40	8	-	-	-	0	0	-	1	2
	Roches Point	24·5	-26	NNW	1	b	55	75	47	8	5	-	-	1	1	2500	1	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 16th (39)	Weather 12h.—18h. 16th (40)	Weather 18h. 16th–1h. 17th (41)	Weather 1h.–7h. 17th (42)
1	London (Kew)	bzoy	bzoby	by	bmo
	Croydon	bzoyby	by	bybzo	bzobomw
	S. Farnborough	byzoy	by	by	bbemo
	Boscombe Down	bzoy	by	by	byb
	Thorney Island	by	by	bybb	bbzob
	Lympne	bcb	by	bybb	bbmowbmo
	Manston	bcbmozo	bzo	bzob	bwbmo
2	Shoeburyness	bcb	b	bbzo	bwzomo
	Felixstowe	e,b	by	byb ✱	bbmo
	Gorleston	b	b	bczo	bmob
	Mildenhall	by	by	byb	b
	Cranwell	by	by	byb	bbmow
3	Birmingham	bzy	by	b	bm
	Upper Heyford	by	by	byb	bbmo
4	Ross-on-Wye	bzoby	by	bzb	bzw
5	Hartland Point	cb	b	b	b
	Bristol	bzwzoy	by	b	bbmow
	Portland Bill	bc	bc	bc	bc
	Plymouth	bvy	bzoy	bzo	b
	The Lizard	bcy	bc	bc	bc
	Scilly (St. Mary's)	b	b	b	b
	Guernsey				
6	Pembroke	by	by	bbc	bc
7	Holyhead (Valley)	bzo	bzoy	bzoy	bzo,b
	Chester (Sealand)	bzoy	bzoy	bzo ✱	
8	Manchester	bzoy	bzoy	bzo	bmozo
10	Spurn Head	b	b	b	b
	Catterick	by	by	bybw ✱	bmobmw
	Tynemouth	bbc	bcb	b	bbcm
11	St. Abbs Head	bzo	bzo	bzobmobcm	bcwm
	Leuchars	bzo	zoybzo	bzobmo	bmow
12	Renfrew (Abbots I.)	bmfmzoy	bzo	byzof	bfbcf
	Eskdalemuir	bxb		b	b
	Point of Ayre	by	by	by	b
13A	Tiree	b	b	b	b
13B	Stornoway	bc	bbc	bcb	b
15	Dalwhinnie	bcy	beby	*	bbc
	Aberdeen	bzo	bzo	bzo	bmw
	Wick	bzoby	bybzo	bbcbmo	bmo
16	Sumburgh	bbc	bc	bmo ✱	bmo
17	Blacksod Point	b	b	b	bc
18	Malin Head	b	b	b	b
	Aldergrove	bzobzoy	bzoyby	bybzo	bzo
19	Birr Castle	b	b	b	b
20	Valentia Obsy.	b	b	b	bc
	Roches Point	b	b	b	b

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

Districts	Forecasts
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands	Moderate east wind. Fine. Rather warm during day. Rather cold at night.
10 N.E. England 11 S.E. Scotland	Moderate east to southeast wind. Fair. Cool.
12 S.W. Scotland & Isle of Man	Moderate east or southeast wind. Fine.
13A W. Scotland 13B N.W. Scotland 14 Mid-Scotland	Rather warm during day. Rather cold at night.
15 N.E. Scotland	As 10-11.
16 Orkneys and Shetlands	As 10-11.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 12-14.

GENERAL INFERENCE

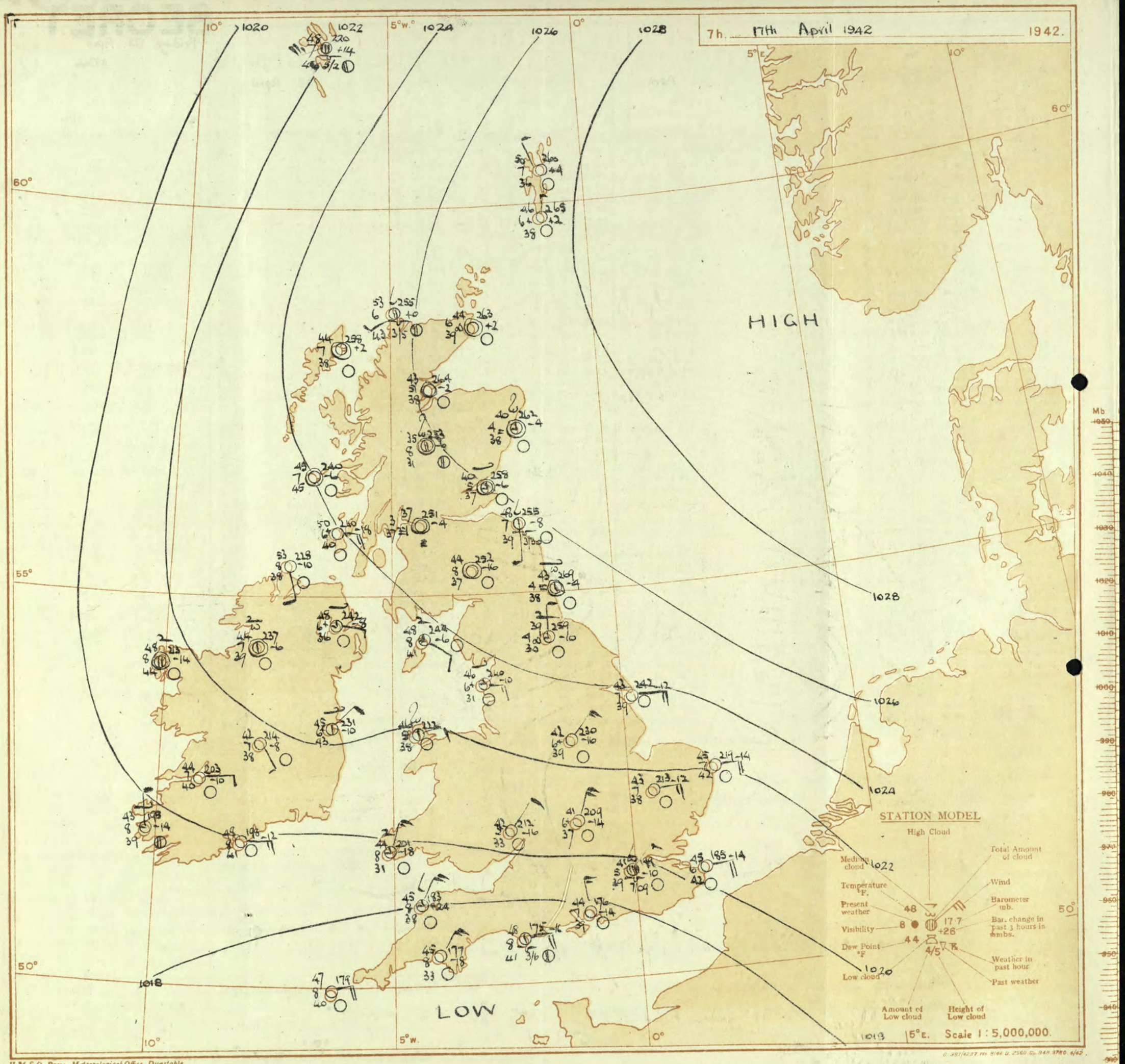
An anticyclone over Denmark is moving southeast and decreasing in intensity and a depression to southwards of the British Isles is spreading north.

FURTHER OUTLOOK

Little change.

Forecasts issued at 10.30. G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

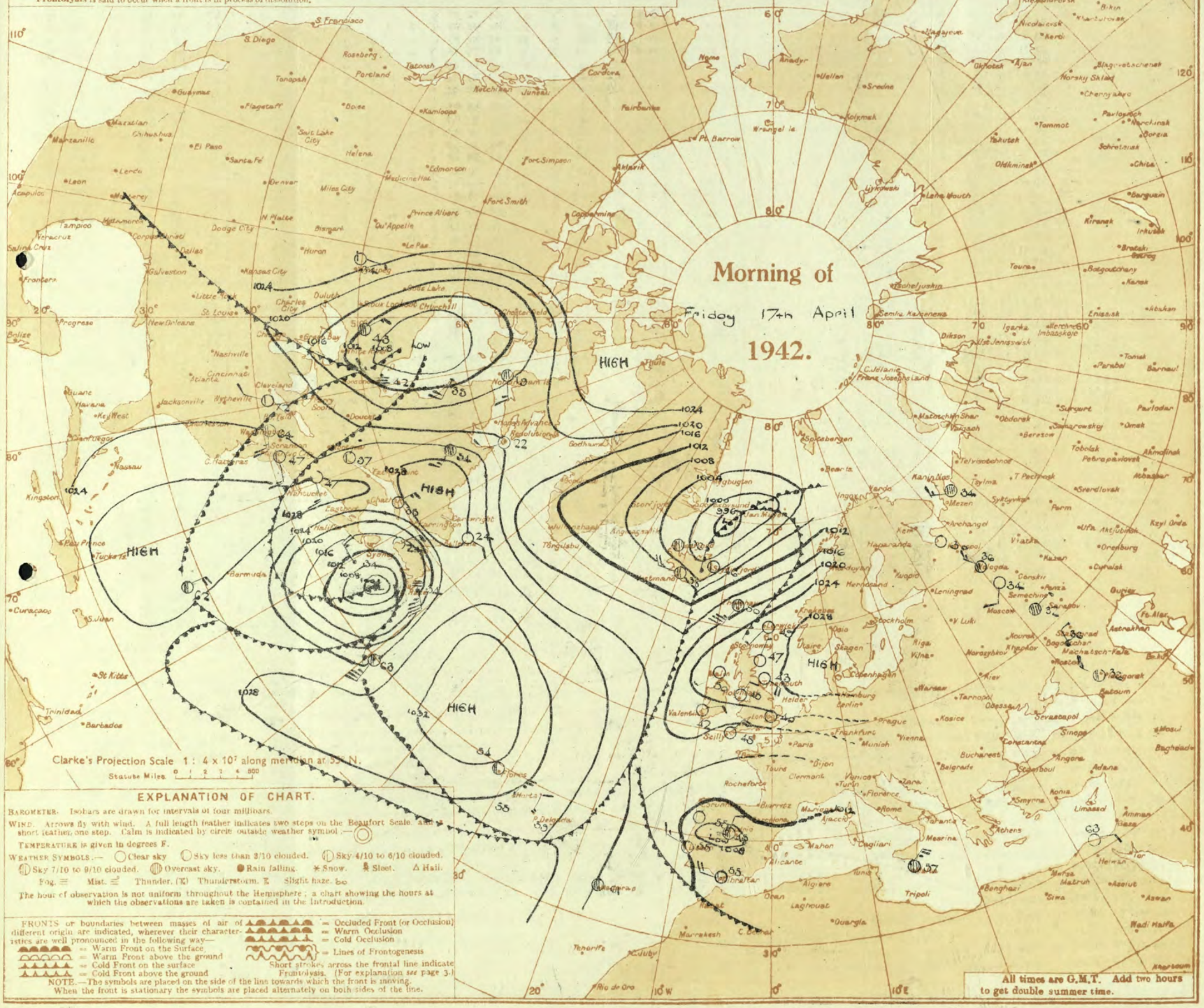
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 17th April 1942

No. 29366

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22.9	-14	-	0	b	40	75	34	6	-	-	-	0	0	-
	S. Farnborough	226	22.3	-16	NE	3	b	42	65	29	7	-	-	-	0	0	-
	Boscombe Down	417	22.8	-12	ENE	3	b	45	45	25	7	-	-	-	0	0	-
	Thorney Island	10	21.1	-16	NE'N	4	b	45	65	35	8	-	-	-	0	0	-
	Lympne ...	283	21.9	-14	NE	3	b	44	85	41	7	-	-	-	0	0	-
	Manston ...	154	21.5	-22	NE'E	3	b	44	85	41	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23.1	-20	NE	4	b	44	85	39	7	-	-	-	0	0	-
	Gorleston ...	5	25.0	-16	ENE	4	bc$_z$	44	85	41	6	5	-	-	2-3	2-3	2500
	Mildenhall ...	15	24.0	-18	NE'N	3	b	39	75	33	8	-	-	-	0	0	-
	Cranwell ...	263	25.7	-18	NE'N	3	b	39	92	37	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.7	-2	NE	3	b	40	75	33	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22.0	0	NNE	3	b	47	65	36	8	-	-	-	0	0	-
	Bristol ...	209	23.7	-10	ENE	2	b	42	55	28	7	-	-	-	0	0	-
	Portland Bill ...	32	20.6	-10	ENE	4	bc	45	85	40	8	2	-	-	2-3	2-3	4000
	Plymouth ...	82	20.9	-14	ENE	3	b	45	65	33	8	-	-	-	0	0	-
	The Lizard ...	240	20.6	-6	NE	4	bc	46	75	39	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	19.4	-8	NE'E	4	b	45	85	40	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	23.2	0	E'N	4	bc	48	75	40	8	5	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	24.4	+2	NE	2	bz$_o$	45	75	36	6	-	-	-	0	0	-
	Chester (Seafand)	16	26.0	0	SE'E	1	b	43	75	36	6	-	-	-	0	0	-
8	Manchester ...	235	26.2	-2	NE	1	b	41	75	34	6	-	-	-	0	0	-
10	Spurn Head ...	29	26.8	-18	ENE	3	b	43	85	39	7	-	-	-	0	0	-
	Catterick ...	175	27.9	-2	NW	1	b	37	65	28	7	-	-	-	0	0	-
	Tynemouth ...	108	28.5	-4	SE	4	b	43	85	38	7	-	-	-	0	0	-
11	St. Abbs Head	280	26.5	-12	S	3	bc	51	75	42	6	5	-	-	2-3	2-3	2500
	Leuchars ...	36	26.9	-2	-	0	bz$_o$	42	85	38	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	26.2	-4	-	0	bf+	41	92	38	3	-	-	1	0	2-3	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	25.8	+4	S'W	4	b	49	55	35	8	-	-	-	0	0	-
13A	Tiree	22	25.6	-6	-	0	b	48	75	39	8	-	-	-	0	0	-
13B	Stornoway ...	80	26.2	+2	SSE	1	b	49	75	40	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	27.1	+2	NNE	1	bz$_o$	47	75	38	7	-	-	-	0	0	-
	Wick ...	114	26.5	+4	NW'W	2	b	42	85	37	6	-	-	-	0	0	-
16	Sumburgh ..	19	26.7	+6	SW	1	bz$_o$	49	65	39	6	-	-	-	0	0	-
17	Blacksod Point	18	24.3	-10	-	0	b	47	85	43	8	-	-	-	0	0	-
18	Malin Head ...	84	24.9	-6	SW'W	1	b	50	85	46	8	-	-	-	0	0	-
	Aldergrove ...	268	25.8	-6	ESE	1	bz$_o$	50	65	38	6	5	-	-	1	1	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.8	-14	ENE	2	b	42	92	40	8	-	-	-	0	0	-
	Roches Point	22	22.7	-10	N'E	2	b	49	85	45	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 17th 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)	19.2	-16	NE'E	3	z$_o$	44	75	37	6	-	-	-	0	0	-	1	*
	Croydon ...	19.9	-10	NE	2	z$_o$	41	92	39	5	5	7	-	9+	10	800	1	*
	S. Farnborough	19.1	-14	NNE	3	z$_o$	42	85	37	*	-	-	5	0	4-6	-	0	*
	Boscombe Down	19.5	-18	NE	2	b	42	75	36	7	-	-	-	0	0	-	0	*
	Thorney Island	17.6	-14	N'W	3	b	44	85	39	7	-	-	-	0	0	-	0	*
	Lympne ...	18.6	-14	NE	3	z$_o$	45	85	40	6	-	-	-	0	0	-	0	*
	Manston ...	18.5	-14	ENE	4	z$_o$	45	85	42	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	29.8	-14	NE'N	3	b	47	85	43	6	-	-	-	0	0	-	0	*
	Felixstowe ...	20.5	-12	NE'E	4	z$_o$	46	85	42	6	-	-	-	0	0	-	0	3
	Gorleston ...	21.9	-14	E'N	4	b	45	85	42	7	-	-	-	0	0	-	0	2
	Mildenhall ...	21.3	-12	NE'E	3	b	43	85	38	7	-	-	-	0	0	-	0	*
	Cranwell ...	23.0	-16	NE'N	3	z$_o$	42	85	39	6	-	-	-	0	0	-	0	*
3	Birmingham ...	22.4	-16	NE	3	m	41	75	34	4	-	-	-	0	0	-	0	*
	Upper Heyford	20.9	-14	NNE	4	z$_o$	41	85	37	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	21.2	-16	NNE	2	z$_o$	42	75	33	5	-	-	-	0	0	-	0	*
5	Hartland Point	18.3	-24	NE	4	b	45	75	38	8	-	4	-	0	Tr	-	0	3
	Bristol ...	21.2	-10	NE	2	z$_o$	40	85	35	5	-	-	-	0	0	-	0	*
	Portland Bill ...	17.5	-16	ENE	4	bc	48	75	41	8	5	-	-	2-3	2-3	4000	1	4
	Plymouth ...	17.7	-18	NE	3	b	45	65	33	8	-	-	-	0	0	-	0	3
	The Lizard ...	17.2	-16	NNE	3	bc	43	75	37	8	7	-	-	2-3	2-3	3000	0	3
	Scilly (St. Mary's)	17.9	-18	NE'E	4	b	47	75	40	8	-	-	-	0	0	-	0	3
	Guernsey ...																	
6	Pembroke ...	20.2	-20	NE'E	5	bc	46	55	32	8	5	-	-	2-3	2-3	3000	0	2
7	Holyhead (Valley)	22.2	-6	NE'E	2	bc	46	75	38	8	-	4	9	0	2-3	-	0	2
	Chester (Seafand)	23.9	-10	WNW	1	m	39	85	35	4	-	-	5	0	1	-	0	*
8	Manchester ...	23.4	-20	NNE	1	z$_o$	43	75	35	5	-	-	9	0	1	-	0	*
10	Spurn Head ...	24.2	-12	ENE	3	b	43	85	39	7	-	-	-	0	0	-	0	3
	Catterick ...	25.9	-10	N	1	m	39	75	30	4	-	-	5	0	1	-	0	*
	Tynemouth ...	26.9	-4	-	0	m	43	85	38	4	-	3	1	0	2-3	-	1	2
11	St. Abbs Head	25.5	-8	S	1	bc	48	75	39	7	5	4	-	2-3	2-3	3000	0	1
	Leuchars ...	25.8	-6	-	0	z$_o$	40	85	37	5	-	-	1	0	Tr	-	0	*
12	Renfrew (Abbots I.)	25.1	-4	-	0	bf-	37	97	37	3	-	-	-	0	0	-	1	*
	Eskdalemuir ...	25.2	-16	-	0	b	44	75	37	8	-	-	-	0	0	-	1	*
	Point of Ayre ...	24.4	-6	SE'E	2	b	48	75	41	8	-	-	5	0	Tr	-	0	1
13A	Tiree	24.0	-6	-	0	b	45	97	45	7	-	-	-	0	0	-	0	2
13B	Stornoway ...	25.8	+2	-	0	b	44	85	38	7	-	-	-	0	0	-	1	1
15	Dalwhinnie ...	25.3	-6	-	0	bc	35	85	31	8	-	-	9	0	4-6	-	1	*
	Aberdeen ...	26.2	-4	-	0	m	40	92	38	4	-	-	9	0	Tr	-	1	2
	Wick ...	26.3	+2	-	0	z$_o$	44	85	39	6	-	-	-	0	0	-	0	*
16	Sumburgh ..	26.5	+2	N	1	z$_o$	46	75	38	6	-	-	-	0	0	-	0	1
17	Blacksod Point	21.3	-14	-	0	bc	48	85	44	8	-	-	5	0	4-6	-	0	0
18	Malin Head ...	22.8	-10	S'E	2	b	53	55	38	8	-	-	-	0	0	-	0	1
	Aldergrove ...	24.2	-8	ESE	1	z$_o$	48	65	36	6	-	-	1	0	1	-	0	*
19	Birr Castle ...	24.4	-8	SE	1	b	42	85	38	7	-	-	-	0	0	-	1	*
20	Valentia Obsy.	19.5	-14	N	1	b	43	85	39	8	-	-	1	0	1	-	1	2
	Roches Point	19.8	-12	E	3	b	48	75	41	8	-	-	-	0	0	-	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 16th Hrs. (38)
1	London (Kew)	57	41	33	-	-	12.6
	Croydon ...	55	38	33	-	Tr	12.6
	S. Farnborough	59	39	29	-	-	12.9
	Boscombe Down	61	36	30	-	-	12.9
	Thorney Island	58	40	35	-	-	*
	Lympne ...	53	42	38	-	-	13.0
	Manston ...	51	43	39	-	-	12.3
2	Shoeburyness ...	51	42	35	-	-	11.5
	Felixstowe ...	51	42	40	-	-	12.7
	Gorleston ...	46	45	39	-	-	12.9
	Mildenhall ...	61	37	27	-	-	13.1
	Cranwell ...	61	38	35	-	-	13.4
3	Birmingham ...	63	38	33	-	-	12.0
	Upper Heyford	62	37	33	-	-	*
4	Ross-on-Wye	63	38	27	-	-	12.7
5	Hartland Point	57	44	40	-	-	12.5
	Bristol ...	63	32	27	-	-	13.0
	Portland Bill ...	52	41	*	-	-	*
	Plymouth ...	61	41	31	-	-	12.7
	The Lizard ...	55	41	*	-	-	12.2
	Scilly (St. Mary's)	56	45	*	-	-	12.9
6	Pembroke ...	65	37	*	-	-	12.3
7	Holyhead (Valley)	68	40	34	-	-	*
	Chester (Seafand)	69	35	31	-	-	12.7
8	Manchester ...	68	35	26	-	-	*
10	Spurn Head ...	51	41	*	-	-	12.6
	Catterick ...	69	34	26	-	-	12.6
	Tynemouth ...	57	39	34	-	-	11.1
11	St. Abbs Head	62	44	*	-	-	*
	Leuchars ...	71	37	30	-	-	12.0
12	Renfrew (Abbots I.)	70	36	35	-	Tr	9.5
	Eskdalemuir ...	69	37	35	-	Tr	9.5
	Point of Ayre ...	59	44	*	-	-	12.6
13A	Tiree	60	42	*	-	-	13.1
13B	Stornoway ...	58	41	*	-	-	12.3
15	Dalwhinnie ...	66	28	21	-	-	12.0
	Aberdeen ...	69	38	32	-	-	11.4
	Wick ...	66	39	33	-	-	*
16	Sumburgh ..	54	41	28	-	-	10.3
17	Blacksod Point	61	43	*	-	-	*
18	Malin Head ...	65	46		-	-	
	Aldergrove ...	68	44	36	-	-	12.3
19	Birr Castle ...	68	38	32	-	-	12.3
20	Valentia Obsy.	64	40	34	-	Tr	
	Roches Point	56	47	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th April — 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN
109 00	05690	00000	00	05690	00002
115 54	01754	20324	54	01758	20314
203 00	05890	16500	04	01890	16403
206 00	00890	24100	04	00790	24101
210 00	05690	25300	00	05690	08100
220 00	05690	14410			
230 00	05690	20200	00	05690	22100
245 00	00590	16300	00	05690	32100
260 00	05590	20100	00	05590	20100
278 00	17690	14300	00	00790	12100
279 00	05690	24100	00	00790	19200
285 00	00890	12400			
288 00	00790	08100	00	00890	06200
575 00	00790	12100	00	00890	10100
301 00	05590	30300	00	05690	10300
321 00	00890	07301			
299 00	00890	08100	00	00890	08100
292 00	00990	09200	00	00990	10200
310 00	00790	09200			
614 00	00790	04201	00	00790	08300

01h. G.M.T. 17th April — 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN
00	05690	00000			
00	05690	00000	00	05590	00000
00	00790	20100	00	05590	00000
			00	05490	12100
00	05590	00000	00	05690	00000
00	05690	26100	00	05690	00001
00	45390	00040	00	45390	12100
00	05690	14100			
00	00690	04400	00	05590	04300
			00	00890	30300
00	00790	00000	00	47390	22100
			03	00790	00003
00	05690	06100			
00	05690	00000	00	05690	31100
00	00790	00000	00	00790	32200
00	00890	05100	04	05690	29101
00	05690	08100	00	05590	04301

13h. G.M.T. 16th April — 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN
333 00	00890	26400	00	05690	28200
334 --	00890	10101			
340 00	05690	09400	00	00890	08400
136 00	00890	05300	00	00790	05300
336 00	00790	12300	00	00790	07400
350 00	00890	06400	00	00890	05400
368 00	00890	06400	00	00890	08400
379 00	00890	04400	00	00690	06400
390 00	00890	07300	00	00890	06400
382 00	00890	39400	00	00890	38300
438 10	00752	04402			
430 00	00890	04400	00	00890	04500
409 00	00890	01400	00	00790	17300

01h. G.M.T. 17th April — 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$N$_h$	DDFWN
00	00790	38400			
			--	00790	10101
00	00790	00101	00	05690	01100
00	00890	05200	00	00790	07300
			04	01790	04312
00	00790	04300	00	05690	02400
00	00790	07300	00	00790	06401
00	00790	06200	00	00790	04300
00	00790	04300	00	00790	04300
00	00790	03200	00	05690	03300
			00	05690	01400
00	00790	04400	00	05690	03400
00	00790	07300	00	00790	04200

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th 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 ...	bzy	bzby	bm$_o$	
Croydon	bzyby	by	bybz	
Greenwich			*	
Camden Square			*	
Kensington				
Hampstead				

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	57	41	33	-	-	12.6	*	*
Croydon	55	38	33	-	Tr	12.6	*	*
Greenwich								
Westminster								
Regents Park								
Camden Square						*	*	
Kensington								
Hampstead							*	

SECRET

Page 1

BRITISH SECTION

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

Saturday 18th April 1942

No. 29367

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15·3	-22	NE'E	5	zo	58	55	40	6	1	-	-	Tr	Tr	2500
	Croydon ...	15·6	-18	ENE	3	b	55	53	40	7	1	-	1	Tr	Tr	1500
	S. Farnborough	14·3	-22	ENE	4	zo	59	56	42	6	1	4	*	Tr	Tr	2000
	Boscombe Down	14·3	-18	NE'E	5	bc/r	57	55	39	7	5	3	*	4·6	4·6	5000
	Thorney Island	14·4	-18	E'S	4	b	57	65	44	7	1	-	-	1	1	4000
	Lympne ...	15·7	-18	NE	3	zo	54	65	41	6	1	-	6	Tr	4·6	2500
	Manston ...	15·6	-14	ENE	5	zo	53	75	43	6	-	-	1	0	Tr	*
2	Shoeburyness ...	16·7	-10	NE'E	5	b	52	75	44	6	-	-	-	0	0	-
	Felixstowe ...	16·3	-20	NE	6	zo	50	85	47	6	-	3	-	0	Tr	-
	Gorleston ...	15·9	-24	ENE	5	b	46	85	40	7	-	-	-	0	0	-
	Mildenhall ...	16·8	-26	ENE	5	b	60	45	40	8	-	*	-	0	0	*
	Cranwell ...	19·2	-26	E'N	5	b	59	55	42	8	-	-	-	0	0	-
3	Birmingham ...	16·6	-24	ENE	4	bc	59	45	38	8	1	-	-	2·3	2·3	4000
	Upper Heyford	16·0	-24	NE'E	4	bc	60	45	42	6	1	3	-	Tr	4·6	2500
4	Ross-on-Wye	15·8	-28	ENE	5	bc	61	49	41	7	1	5	-	Tr	2·3	4000
5	Hartland Point	14·2	-16	NE	4	b	50	75	41	7	-	4	-	0	Tr	-
	Bristol ...	16·1	+22	E	4	c	59	55	42	7	1	7	-	Tr	9	2500
	Portland Bill ...	14·1	-10	NE	4	c	50	85	46	8	2	2	-	4·6	7·8	4000
	Plymouth ...	14·9	-14	E	4	zo	58	45	39	7	-	7	-	0	4·6	-
	The Lizard ...	14·0	-14	NE	4	bc	54	65	41	8	7	6	-	4·6	4·6	3500
	Scilly (St. Mary's)	14·8	-18	NE'E	3	b	56	75	47	8	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	15·7	-20	E'N	4	b	59	55	42	8	-	4	-	0	1	-
7	Holyhead (Valley)	17·6	-22	NE	5	zo	58	45	37	6	-	-	-	0	0	-
	Chester (Sealand)	18·1	-30	ENE	3	b	63	45	43	7	1	-	-	Tr	Tr	4000
8	Manchester ...	18·2	-34	ENE	5	b	62	45	41	7	1	-	-	Tr	Tr	5700
10	Spurn Head ...	22·0	-14	ENE	5	b	47	75	41	7	-	-	-	0	0	-
	Catterick ...	21·7	-26	E	3	b	62	35	36	8	-	-	1	0	Tr	-
	Tynemouth ...	24·5	-14	NE	2	bc	48	85	43	8	-	4	1	0	2-3	-
11	St. Abbs Head	25·4	0	ESE	3	b	46	97	45	9	5	-	-	Tr	Tr	3000
	Leuchars ...	24·8	-10	E	2	bc	52	65	35	9	-	-	3	0	2-3	-
12	Renfrew (Abbots I.)	21·2	-22	E'N	4	zo	66	35	35	6	-	-	6	0	4·6	-
	Eskdalemuir ...	21·4	-22	ESE	3	b	61	35	34	8	-	-	1	0	Tr	-
	Point of Ayre...	20·4	-24	E'N	2	b	54	65	43	7	-	-	5	0	1	-
13A	Tiree	21·5	-24	SSE	1	b	61	68	47	6	-	-	-	0	0	-
13B	Stornoway ...	22·7	-20	NNE	4	b	55	75	46	6	-	-	-	0	0	-
15	Dalwhinnie ...	22·8	-10	SE	4	bc	67	25	34	8	-	-	1	0	1	-
	Aberdeen ...	25·4	-10	SSE	3	b	56	15	9	8	-	-	9	0	Tr	-
	Wick ...	25·2	-8	E'N	2	zo	53	65	42	6	-	-	-	0	0	-
16	Sumburgh ...	26·1	-2	E	2	b	55	45	34	7	-	-	-	0	0	-
17	Blacksod Point	18·0	-24	-	0	bc	62	65	50	8	-	-	2	0	2-3	-
18	Malin Head ...	20·3	-18	E	2	b	52	65	41	8	-	-	-	0	0	-
	Aldergrove ...	20·5	-20	E	3	b	62	45	38	7	-	-	1	0	Tr	-
19	Birr Castle ...	17·2	-26	ENE	2	b	62	45	41	7	-	-	-	0	0	-
20	Valentia Obsy.	16·6	-18	W	2	b	58	65	46	8	1	-	-	Tr	Tr	4000
	Roches Point	17·1	-18	E	4	b	55	65	44	8	-	4	-	0	Tr	-

OBSERVATIONS at 18h. G.M.T. 17th 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)	12·5	-14	NE'E	4	zo	50	55	39	6	5	-	-	10	10	4000	0	*
	Croydon ...	13·0	-12	E'S	2	zo	53	78	44	6	-	7	-	0	10	-	0	*
	S. Farnborough	12·4	-10	E	3	zo	55	65	42	6	-	7	-	0	9+	-	0	*
	Boscombe Down	13·0	0	E'S	4	c	54	65	42	7	-	-	6	0	9+	-	0	*
	Thorney Island	11·7	-14	ENE	2	c	55	65	47	7	-	1	7	0	10	-	0	*
	Lympne ...	13·1	-14	NE	2	c	49	75	42	7	-	7	-	0	9+	-	0	3
	Manston ...	12·0	-18	NE'N	4	zo	48	85	44	6	-	7	-	0	9+	-	0	*
2	Shoeburyness ...	13·4	-16	NNE	4	c	49	75	43	8	-	2	-	0	9+	-	0	*
	Felixstowe ...	13·9	-18	NE'N	4	c	49	65	40	7	-	7	6	0	9+	-	0	3
	Gorleston ...	15·5	-26	NE'E	5	c	46	85	42	7	5	7	1	2-3	7·8	4000	0	4
	Mildenhall ...	14·5	-14	ENE	4	c	58	55	40	8	-	7	6	0	9+	-	0	*
	Cranwell ...	16·3	-14	ENE	4	c	50	85	45	8	-	7	6	0	7·8	-	0	*
3	Birmingham ...	13·9	-10	NE	4	c	56	55	40	7	-	1	-	0	9+	-	0	*
	Upper Heyford	13·2	-4	NE'E	4	zo	56	55	40	6	1	7	-	Tr	10	3500	0	*
4	Ross-on-Wye	12·6	-20	ENE	4	c	59	45	39	8	7	-	7	4·6	10	3500	0	*
5	Hartland Point	11·3	-16	NE	2	bc	54	65	42	7	1	-	3	2-3	4·6	4000	0	2
	Bristol ...	12·7	-14	E'S	3	c	60	55	43	7	4	-	7	2-3	10	4000	0	*
	Portland Bill ...	12·0	-6	NE	3	c	49	85	45	8	2	-	-	7·8	7·8	4000	1	4
	Plymouth ...	11·8	-10	E'S	3	zo	54	65	42	6	2	7	-	2-3	9	4000	0	3
	The Lizard ...	11·8	-10	NNE	1	c	51	75	42	8	8	6	-	7·8	7·8	2000	0	3
	Scilly (St. Mary's)	12·2	-14	NNE	2	bc	50	85	46	6	-	4	5	0	4·6	-	0	3
	Guernsey ...																	
6	Pembroke ...	12·5	-16	NNW.	3	zo	55	65	42	6	2	4	-	4·6	7·8	4000	1	2
7	Holyhead (Valley)	13·6	-18	NE	3	zo	61	55	42	6	1	-	9	Tr	7·8	4000	0	2
	Chester (Sealand)	15·5	-14	E'N	2	c	60	45	39	7	5	2	6	Tr	9+	4500	0	*
8	Manchester ...	16·0	-10	ENE	5	c	56	55	38	7	-	4	6	0	9	-	0	*
10	Spurn Head ...	18·1	-20	NE'N	4	bc	46	75	39	7	-	5	2	0	4·6	-	0	4
	Catterick ...	19·7	-6	NE	3	bc	52	55	37	7	-	-	2	0	4·6	-	0	*
	Tynemouth ...	21·6	-16	ENE	3	b	45	85	42	8	-	-	-	0	0	-	0	2
11	St. Abbs Head	21·3	-14	E	2	b	45	97	41	9	-	-	-	0	0	-	0	1
	Leuchars ...	22·1	-18	ENE	1	b	47	65	36	8	-	-	-	0	0	-	0	*
12	Renfrew (Abbots I.)	19·0	-12	ENE	4	b	58	45	37	7	-	4	-	0	Tr	-	0	*
	Eskdalemuir ...	19·3	-12	NE'N	3	b	55	45	36	8	-	4	-	0	Tr	-	0	*
	Point of Ayre...	16·8	-18	SE'S	1	b	56	55	42	8	-	-	5	0	Tr	-	0	1
13A	Tiree	18·6	-12	-	0	b	51	85	48	7	-	-	-	0	0	-	0	2
13B	Stornoway ...	19·0	-12	NNE	4	b	54	97	47	5	-	-	-	0	0	-	0	2
15	Dalwhinnie ...	21·7	-8	S	2	bc	57	33	36	8	-	4	1	0	2-3	-	0	*
	Aberdeen ...	23·1	-8	SE'E	2	zo	48	45	30	6	-	4	-	0	Tr	-	0	2
	Wick ...	22·5	-14	SSE	1	bc	49	75	40	9	-	4	1	0	2-3	-	0	*
16	Sumburgh ...	24·4	-8	ENE	4	b	49	85	43	7	-	-	-	0	0	-	0	2
17	Blacksod Point	5·3	-14	SSE	1	b	58	65	46	8	-	-	2	0	1	-	0	1
18	Malin Head ...	17·0	-18	E	3	bc	56	55	40	8	4	4	-	1	2·3	4000	0	2
	Aldergrove ...	16·6	-22	E	3	b	60	45	40	7	-	4	1	0	Tr	-	0	*
19	Birr Castle ...	14·0	-12	ENE	1	b	61	55	45	7	-	-	-	0	0	-	1	*
20	Valentia Obsy.	14·2	-10	NNN	4	b	53	75	45	8	1	-	-	Tr	Tr	5700	1	3
	Roches Point	13·9	-18	SE	2	b	55	65	44	8	-	-	-	0	0	-	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 17th (39)	Weather. 13h.—18h. 17th (40)	Weather. 18h.—1h. 17th to 18th (41)	Weather. 1h.—7h. 18th (42)
1	London (Kew)	cbzoy	b,czy	cyczo	cmo
	Croydon ...	cmoby	bcyczo	cmobc	bmocmw
	S. Farnborough	ozocbzy	bzocyczo	czombcwbcmowmo	
	Boscombe Down	bycifo	bicyc	c,fzo,bc	
	Thorney Island	bbcpfob	bc	cmw	cmow
	Lympne ...	bzo	bc⊕czc	cmobcmo	bcemo
	Manston ...	bmozo	b,czmo	cbcmo	bccmowc
2	Shoeburyness ...	bmob	cmoc	cbc	bcwcmo
	Felixstowe ...	bmo	bmocmoc	ccmob	bmocmo
	Gorleston ...	bzob	bbcc	bbzo	bczo
	Mildenhall ...	bby	bybcycy	cycbcb	b,cmo
	Cranwell ...	bby	bybc	bcb⊕	bbmo,cmo
3	Birmingham ...	mb	b,c	c	cbm
	Upper Heyford	bzobczoy	bczoy	bczobcmo	bbcmo
4	Ross-on-Wye	bzoby	bcycy	cycp	Omo
5	Hartland Point	b	bcifo	bcc	c
	Bristol ...	bmozob,c	cfofoby		cmo
	Portland Bill ...	bcc	c	c	bcc
	Plymouth ...	bc	cfoczo	czo	cmo
	The Lizard ...	bc	c pfoc	bc	c
	Scilly (St. Mary's)	b	bbc	bccbcw	bccw
	Guernsey ...				
6	Pembroke ...	bcby	czo	czo	cmo
7	Holyhead (Valley)	bzo	bzo	cyzoc	c,zo
	Chester (Sealand)	bmzoyb	bbcc	bczo	bcmo
8	Manchester ...	bzy	bycy	bczo	bbczo
10	Spurn Head ...	b	bc	bcb	bc
	Catterick ...	bfbzoby	bbcy	bmo	bmov
	Tynemouth ...	bc	bcb	b	b
11	St. Abbs Head	bcmo	bc	b	
	Leuchars ...	bmowbyv	byrb	b	b
12	Renfrew (Abbots I.)	bfbmo		bybzo	bbcmozo
	Eskdalemuir ...	b	by	b	bbc
	Point of Ayre...	b	by	bbc	bcbbc
13A	Tiree	bzo	b	b	bcc
13B	Stornoway ...	b	bzo	b	bczo
15	Dalwhinnie ...	bcy	bcy		bccy
	Aberdeen ...	bzoy	byzo	bzo	bzox
	Wick ...	bzo	bzob	b	bbc
16	Sumburgh ...	b	byb	bmo	bjfb
17	Blacksod Point	bc	b	b	bc
18	Malin Head ...	b	b	b	c
	Aldergrove ...	bzobyzob	bybcy	bcbbc	bcc
19	Birr Castle ...	bc	b		c
20	Valentia Obsy.	b	b	b	bc
	Roches Point	b	b	b	bc

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

Districts	Forecasts
1 S.E. England	As 3-6
2 E. England ...	As 3-6 but low cloud or fog on east coast later.
3 E. Midlands ...	Light or moderate east wind becoming fair at first but with increasing cloud, local thundery rain later; rather cold near east coast, average temperature elsewhere.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Moderate east to southeast wind, fair but increasing cloud; fog or low cloud on east coast later, average temperature in west rather cold near east coast.
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	
16 Orkneys and Shetlands	As 7-15.
17 N. W. Ireland	Moderate east to southeast wind, average temperature.
18 N. E. Ireland	
19 S. E. Ireland	Light east wind fair at first, slight local rain later. Average temperature
20 S. W. Ireland	

GENERAL INFERENCE

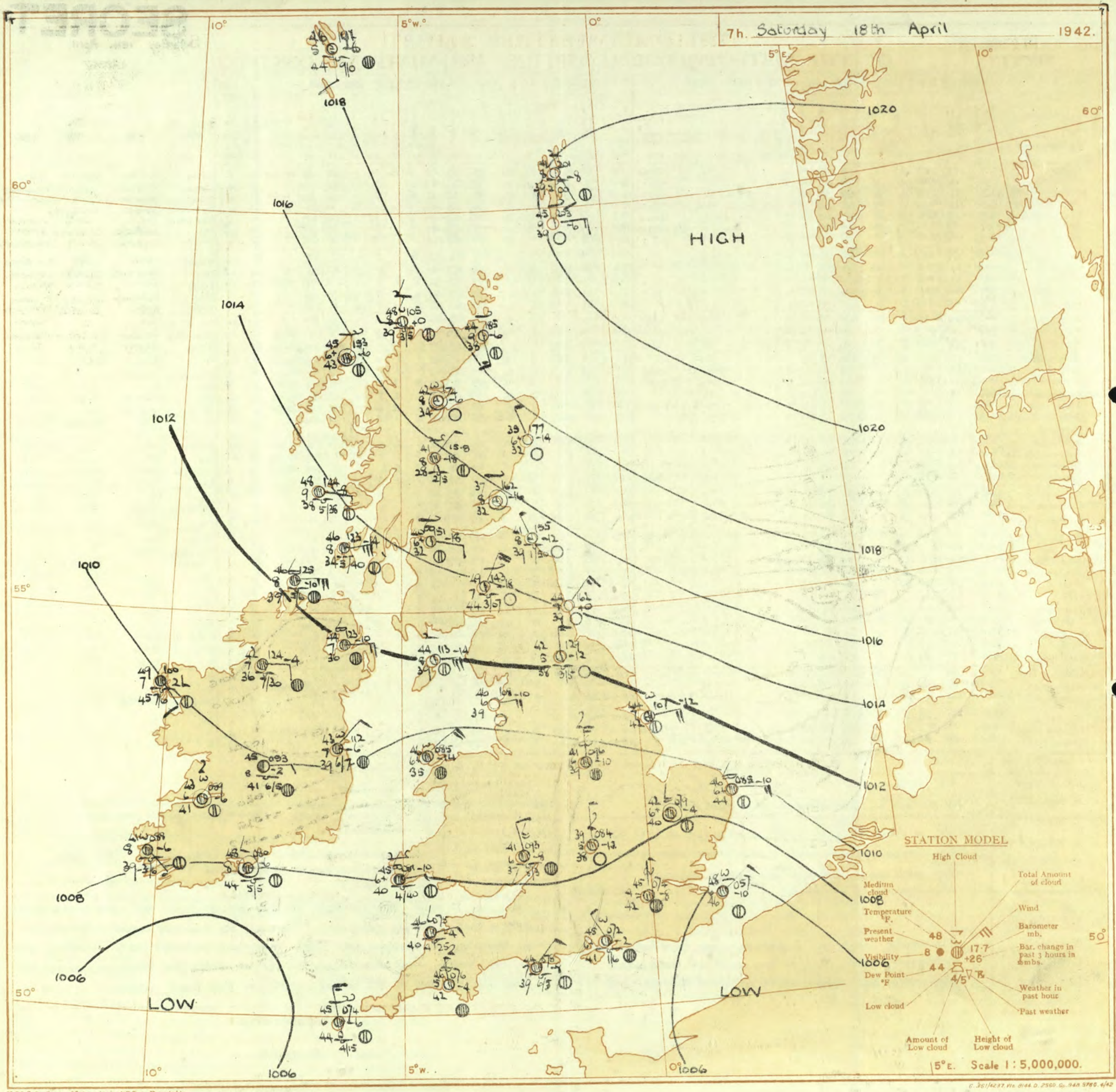
Pressure is high to Northeast of the British Isles and low to the South, and is falling slowly generally. There will be variable cloud at first with a tendency to increase and later there will be slight local thundery rain in the South. Day temperatures will be about the seasonal average in most districts but it will be rather cold on the East Coast.

FURTHER OUTLOOK

None issued.

Forecasts issued at 10.30. G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

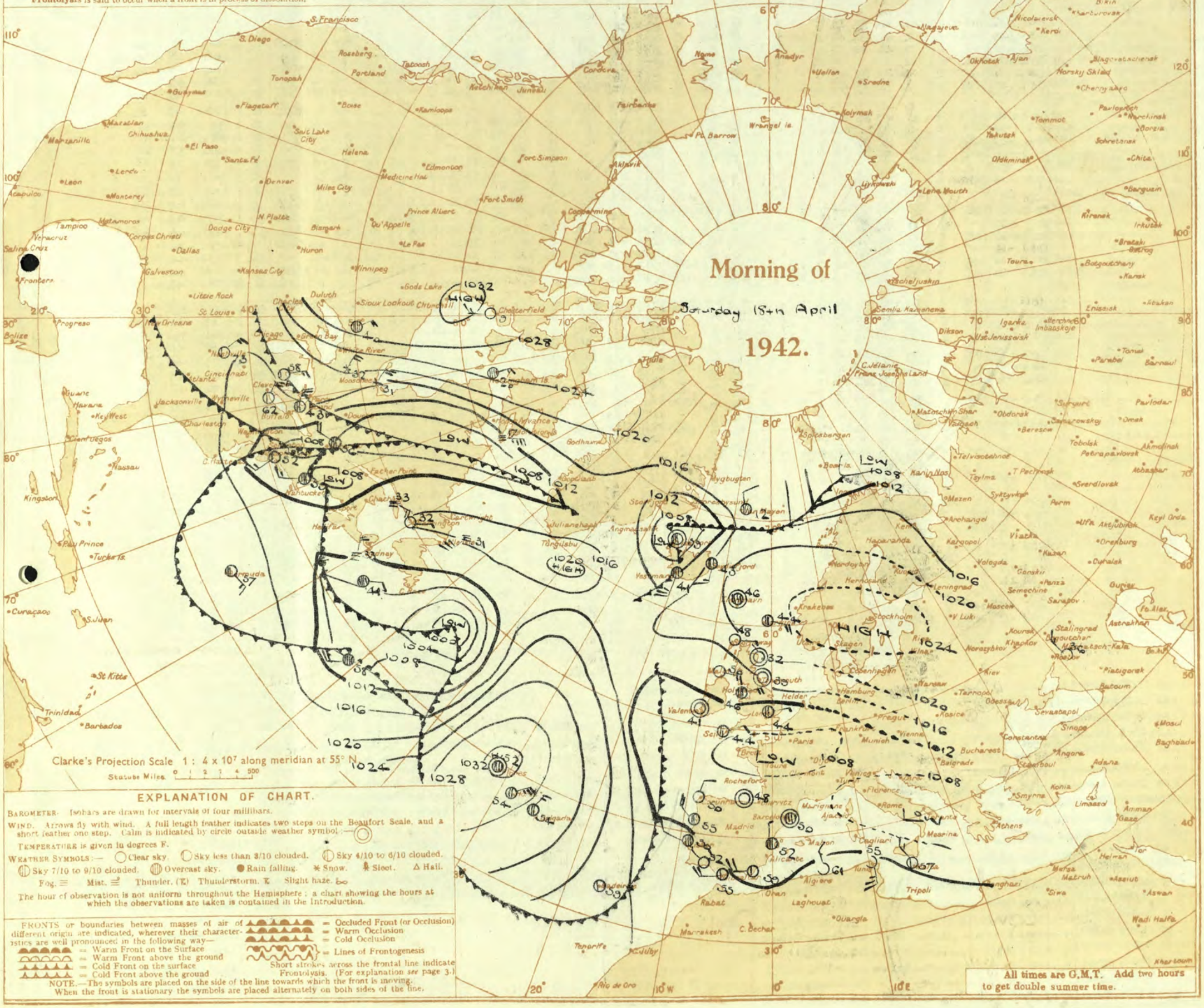
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 18th April 1942

No. 29367

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)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	48	*	*	*	*	*	*	*	*	*
	Croydon ...	290	09·8	-22	ENE	1	2o	44	97	44	6	-	7	-	0	4-6	-
	S. Farnborough	226	09·4	-20	NNE	1	2o	47	85	43	6	-	7	-	0	4-6	-
	Boscombe Down	417	10·6	-14	NE	1	2o	45	85	40	6	-	2	6	0	9	-
	Thorney Island	10	09·0	-20	NNE	2	2o				6	-	1	-	0	10	-
	Lympne ..	293	09·7	-20	NNW	2	2o	44	92	42	5	-	7	-	0	4-6	-
	Manston ...	154	08·3	-22	ENE	3	2o	43	85	44	6	-	-	1	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·8	-18	NE'N	4	b	47	85	43	7	-	-	-	0	0	-
	Gorleston ...	5	11·7	-16	E'N	4	2o	45	92	42	6	-	-	-	0	0	-
	Mildenhall ...	15	10·6	-20	NE'N	2	b	41	92	38	7	-	-	-	0	0	-
	Cranwell ...	203	12·3	-24	NNE	3	bc	41	92	38	7	-	7	-	0	2-3	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·5	-12	NE'N	3	2o	41	85	38	6	-	7	-	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·8	-12	ESE	2	c	47	75	38	7	5	-	-	7-8	7-8	2500
	Bristol ...	209	10·7	-20	-	0	2o	46	85	41	6	-	7	-	0	2-3	-
	Portland Bill ...	32	09·7	-4	NE	2	0	48	85	44	7	5	-	-	10	10	2500
	Plymouth ...	82	09·8	-16	-	0	2o	45	85	42	6	-	1	-	0	10	-
	The Lizard ...	240	09·7	-14	NE	2	bc	45	85	40	7	4	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	09·7	-14	NE	2	bc	44	97	45	5	5	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	10·3	-12	NE'E	3	c	48	85	45	6	5	-	-	7-8	7-8	4000
7	Holyhead (Valley)	32	12·1	-12	ENE	3	c	46	65	36	8	-	7	3	0	9+	-
	Chester (Sealand)	16	13·2	-14	E	1	2o	43	85	35	6	-	7	2	0	9	-
8	Manchester ...	235	13·8	-18	NE	4	c	43	75	35	6	-	7	6	0	9	-
10	Spurn Head ...	29	13·4	-28	ENE	4	b	44	85	39	7	-	-	-	0	0	-
	Catterick ...	175	16·6	-22	N	2	2o	39	85	36	6	-	-	-	0	0	-
	Tynemouth ...	108	18·6	-16	NNE	2	b	43	85	39	7	-	-	-	0	0	-
11	St. Abbs Head	280	19·0	-22	ESE	1	b	40	97	39	7	4	-	-	Tr	Tr	2500
	Leuchars ...	36	19·7	-4	-	0	b	39	75	31	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	18·1	-10	E	3	2o	41	65	31	6	5	-	-	Tr	Tr	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	14·6	-14	E	4	bc	43	85	40	8	-	4	-	0	2-3	-
13A	Tiree	22	16·7	-8	-	0	b	45	75	38	8	5	-	-	1	1	3500
13B	Stornoway ...	80	17·1	-6	E	1	b	48	85	44	6	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20·9	-8	-	0	b	32	92	29	8	-	-	-	0	0	-
	Wick ...	114	20·6	-12	ESE	2	b	43	75	36	8	-	-	-	0	0	-
16	Sumburgh ..	19	21·9	-10	ENE	3	2o	43	97	42	6	-	-	-	0	0	-
17	Blacksod Point	18	12·9	-10	SSE	1	b	49	85	45	8	-	-	-	0	0	-
18	Malin Head ...	84	15·1	-6	ESE	3	bc	50	65	40	8	5	3	-	2-3	2-3	2500
	Aldergrove ...	268	15·2	-8	E'S	3	bc	48	55	33	7	5	4	1	2-3	4-6	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·7	-12	-	0	b	41	92	39	8	-	-	-	0	0	-
	Roches Point	22	10·6	-10	NNE	3	bc	48	85	44	8	5	-	-	2-3	2-3	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)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	06·8	-8	NNE	2	2o	44	85	39	5	5	-	-	9	9	2500	1	*
	Croydon ...	07·4	-8	N	1	m	45	85	42	4		3	-	0	7-8	-	0	*
	S. Farnborough	07·5	-2	NW	1	2o	41	92	38	6	1	7	-	4-6	9+	3000	0	*
	Boscombe Down	08·1	-10	NE	3	2o	41	85	38	6	-	3	8	0	7-8	-	0	*
	Thorney Island	07·2	-2	NW'N	1	2o	45	85	41	6	5	3	-	Tr	9+	4000	0	*
	Lympne ..	06·9	-10	NNE	2	2o	47	92	45	6	-	3	-	0	4-6	-	0	*
	Manston ...	05·7	-10	NE	2	2o	48	92	48	6	-	3	-	0	7-8	-	0	*
2	Shoeburyness ...	07·3	-8	NE'N	3	c	47	92	45	5	5	3	2	2-3	9	4000	0	*
	Felixstowe ...	06·3	-14	NE	2	2o	48	85	43	6	-	7	-	0	7-8	-	0	2
	Gorleston ...	08·5	-10	E	3	c	46	92	44	6	-	7	-	0	7-8	-	0	3
	Mildenhall ...	07·3	-4	-	0	2o	42	92	40	6	-	3	-	0	7-8	-	0	*
	Cranwell ...	09·6	-10	N	3	2o	41	97	39	6	-	7	6	0	7-8	-	0	*
3	Birmingham ...	09·5	-10	NE	3	m	40	85	36	4	-	-	-	0	0	-	0	*
	Upper Heyford	08·4	-12	N	2	2o	39	92	38	5	-	-	6	0	7-8	-	0	*
4	Ross-on-Wye	09·3	-8	N'W	2	2o	41	85	38	6	5	-	-	10	10	800	0	*
5	Hartland Point	07·5	-4	ENE	2	c	46	85	40	7	5	4	-	4-6	7-8	2500	0	3
	Bristol ...	09·4	-8	NE	3	2o	42	85	38	5	5	7	-	2-3	9+	4000	0	*
	Portland Bill ...	07·8	-8	NE	2	c	44	85	39	7	5	-	-	9	9	2500	1	4
	Plymouth ...	07·6	-4	NNW	1	2o	46	85	42	5	-	7	6	0	4-6	-	0	2
	The Lizard ...	07·2	-10	NE	1	c	47	85	43	7	8	2	-	7-8	9+	1500	0	3
	Scilly (St. Mary's)	07·4	-6	NNW	3	c	45	97	44	6	8	-	2	4-6	9	1500	0	3
6	Pembroke ...	07·6	-6	SE'E	3	2o	49	75	32	6	5	-	-	10	10	2500	0	2
7	Holyhead (Valley)	08·5	-14	NE	4	2o	46	75	35	6	-	3	-	0	7-8	-	0	2
	Chester (Sealand)	11·1	-2	NNW	1	b	41	85	36	5	-	-	1	0	Tr	-	0	*
8	Manchester ...	09·9	-12	NE	3	2o	43	85	37	6	-	-	-	0	0	-	0	*
10	Spurn Head ...	10·7	-12	ENE	4	bc	44	92	42	7	-	3	-	0	4-6	-	0	4
	Catterick ...	12·3	-12	N	3	2o	42	85	38	5	5	-	-	2-3	2-3	2500	0	*
	Tynemouth ...	16·2	0	NE	3	b	44	85	39	7	-	-	-	0	0	-	0	
11	St. Abbs Head	13·5	-12	NW	1	b	41	92	39	8	5	-	-	Tr	Tr	5000	0	1
	Leuchars ...	16·2	-16	-	0	b	37	85	32	8	-	-	1	0	Tr	-	0	*
12	Renfrew (Abbots I.)	15·1	-18	ESE	2	2o	40	75	32	6	-	7	1	0	2-3	-	1	*
	Eskdalemuir ...	14·3	-18	NE	4	bc	39	85	34	7	5	-	-	2-3	2-3	700	0	*
	Point of Ayre...	11·3	-14	E'N	5	bc	44	85	39	8	-	-	5	0	2-3	-	0	4
13A	Tiree	14·4	-8	E'S	1	c	48	55	28	9	5	-	-	7-8	7-8	3500	0	2
13B	Stornoway ...	15·3	-6	-	0	c	45	92	43	6	-	-	2	0	7-8	-	0	1
15	Dalwhinnie ...	15·8	-18	NE	1	c	41	55	28	8	4	-	2	1	7-8	2500	0	*
	Aberdeen † ...	17·7	-14	NW'N	2	2o	35	85	32	6	-	-	-	0	0	-	1	2
	Wick ...	18·5	-6	SSE	3	bc	44	85	38	9	-	-	1	0	2-3	-	0	*
16	Sumburgh ..	20·3	-6	ENE	3	b	45	75	39	9	-	-	1	0	Tr	-	0	
17	Blacksod Point	10·0	-2	SE	2	c	48	85	44	7	5	-	-	9+	9+	4000	0	2
18	Malin Head ...	12·5	-10	E'S	5	c	46	75	37	8	5	7	-	7-8	9	4000	0	3
	Aldergrove ...	12·3	-10	NE'E	3	c	44	75	36	7	-	7	-	0	9+	-	0	*
19	Birr Castle ...	09·3	-2	ENE	2	c	45	85	41	8	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	08·8	-6	SSW	1	c	41	92	39	8	5	3	-	2-3	9+	4000	1	2
	Roches Point	08·0	-6	-	0	c	48	85	44	8	5	1	-	7-8	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 17th Hrs. (38)
London (Kew)	58	42	37	-	-	6·7
Croydon ...	57	41	35	-	Tr	6·5
S. Farnborough	61	40	29	-	-	6·9
Boscombe Down	62	39	36	Tr	-	7·9
Thorney Island	60	43	36	Tr	-	*
Lympne ..	55	43	40	-	-	7·3
Manston ...	53	42	30	-	-	7·0
Shoeburyness ...	54	42	35	-	-	6·7
Felixstowe ...	52	44	41	-	-	8·6
Gorleston ...	48	44	41	-	-	10·3
Mildenhall ...	62	33	25	-	-	9·8
Cranwell ...	59	38	35	-	-	11·1
Birmingham ...	61	39	35	-	-	9·5
Upper Heyford	62	38	32	-	-	*
Ross-on-Wye	63	40	35	-	-	9·8
Hartland Point	57	46	44	Tr	-	10·4
Bristol ...	62	40	37	-	-	8·9
Portland Bill ...	51	41	*	-	-	*
Plymouth ...	59	44	37	Tr	-	8·7
The Lizard ...	56	44	*	Tr	-	8·7
Scilly (St. Mary's)	57	43	*	-	-	12·7
Guernsey ...						
Pembroke ...	61	56	*	-	-	11·2
Holyhead (Valley)	63	43	38	-	-	*
Chester (Sealand)	64	36	35	-	-	10·9
Manchester ...	63	40	36	-	-	*
Spurn Head ...	51	44	*	-	-	12·4
Catterick ...	63	38	32	-	-	12·4
Tynemouth ...	49	42	38	-	-	*
St. Abbs Head	48	39	*	-	-	
Leuchars ...	59	35	26	-	-	13·2
Renfrew (Abbots I.)	66	39	26	-	-	9·2
Eskdalemuir ...	63	35	32	-	-	12·8
Point of Ayre...	59	42	*	-	-	12·4
Tiree	64	44	*	-	-	11·6
Stornoway ...	57	43	*	-	-	11·4
Dalwhinnie ...	67	28	20	-	-	10·9
Aberdeen † ...	57	31	26	-	-	11·8
Wick ...	55	41	36	-	-	*
Sumburgh ..	58	40	33	-	-	12·4
Blacksod Point	63	45	*	-	-	*
Malin Head ...	67	45		-	-	
Aldergrove ...	62	41	36	-	-	13·0
Birr Castle ...	64	42	39	-	9	12·3
Valentia Obsy.	60	39	34	-	Tr	
Roches Point	56	47	*	-		*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	00	00790	08401	00	00890	12303
115	54	01653	08214	54	01654	10414
203	00	05790	08400	00	05790	06300
206	00	05690	08200	04	01790	04314
210	00	05690	06300	04	00890	10313
220	00	05690	23200	00	05690	00000
230	04	05690	22100	08	01890	08204
245	03	00990	08201	04	00990	06301
260	04	00790	04202	00	00790	04301
278	04	00890	31303	00	00890	08410
279	04	05690	09502	00	00790	05401
285	04	00890	10501			
288	00	00790	04300	00	01590	32304
575	00	00790	10201	05	00890	10101
301	10	00761	08501	00	02790	08506
321	00	14851	00851	00	01890	37414
299	00	00790	02300	70	01753	04403
292	14	00961	07301	00	01990	06405
310	--	01652	05612			
614	00	00741	37401	07	02790	38426

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
00	00890	00000	00	00890	11203
			54	01853	24414
00	00790	12400			
00	00790	08200	03	00890	00002
00	00890	08400	00	00890	08213
			07	01890	08106
50	00761	08301	03	02890	04216
04	00890	32101	00	00990	01102
00	00790	04300	03	00790	04203
04	00890	10301	03	02890	08226
00	00790	04400	00	00790	05301
			20	05633	06413
00	17490	02200	50	17552	02304
54	05763	06103	50	02767	08227
00	05690	06124	00	05690	06300
00	00790	01313	00	05690	30302
00	00790	04300	57	01754	04314
00	00790	29200	00	05690	01202
			--	05428	08518
00	00690	02320	00	05590	03302

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	05301			
334	--	05590	10201			
340	10	00862	08602	00	02890	08516
136	00	00790	06500	00	02790	05416
336	04	01790	04412	70	02765	08416
350	18	00851	06402	--	02890	06517
368	04	00790	08402	54	01762	06304
379	53	02753	04415	57	02762	04417
390	10	00861	06401	07	02790	05428
380	53	01763	06415	57	02763	08328
438						
430	18	01764	09515	01	05690	04328
409	03	00790	01402	54	01774	18264

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
07	02790	04327	03	02890	00027
			--	01672	10103
00	05690	32128	00	05690	28100
07	02790	06314			
50	05654	04314			
07	05690	02327	00	05690	01316
01	05690	06223	07	05690	08328
07	05690	04214	50	08418	02418
07	05690	02213	07	05690	02215
07	05690	02224	07	05690	32114
01	05690	04318	73	05664	32127
50	05658	06218	57	05664	07227

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 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	Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew ...	cbζy	b,cζy	cycζ	Kew 24 hours ended 7h. Max 0·2 Time 6-7h. Min 0·1 Time 1-2h.
Croydon ...	cm3by	bcycζ	cm3bc	
Greenwich ...	bcby	bc⊕cycbcbz		
Camden Square	b	c	*	
Kensington ...	b,c	o	*	
Hampstead ...				

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	58	42	37	-	-	6·7	*	*
Croydon ...	57	41	35	-	Tr	6·5	*	*
Greenwich ...	57	42	33	-	-			
Westminster ...	59	44	40	-	-		67	85
Regents Park ...	60	43	37	-	-		52	69
Camden Square	62	43	36	-	-	*	*	73
Kensington ...	61	43	38	-	-		63	73
Hampstead ...							*	

BRITISH SECTION

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

SECRET

Sunday 19th April 1942

No. 29368

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	05·1	-10	-	0	zo	60	55	44	6	-	5	-	0	9+	-
	Croydon ...	05·2	-8	NNW	1	m	60	65	46	4	-	3	-	0	9	-
	S. Farnborough	05·2	-10	W	1	zo	59	65	45	6	-	5	-	0	7·8	-
	Boscombe Down	06·1	-12	N'E	1	bc	58	65	45	7	7	-	-	4·6	4·6	5700
	Thorney Island	06·1	-6	S	3	zo	65	75	46	6	-	3	2	0	9+	-
	Lympne ...	08·7	+6	SE	1	zo	55	75	47	6	-	1	8	0	9+	-
	Manston ...	05·5	0	-	0	zo	51	85	45	6	-	7	-	0	9+	-
2	Shoeburyness ...	06·1	-4	ENE	2	c	51	85	45	6	5	-	-	9+	9+	2800
	Felixstowe ...	06·1	-2	NE'E	3	zo	49	75	42	6	-	7	5	0	9+	-
	Gorleston ...	07·4	-8	E'S	3	bc	47	85	44	7	-	3	-	0	4·6	-
	Mildenhall ...	05·4	-8	ENE	3	c	61	55	44	7	-	7	-	0	9+	-
	Cranwell ...	06·8	-12	ENE	3	b	56	65	43	7	5	7	-	Tr	1	2000
3	Birmingham ...	05·7	-8	NE	3	zo	56	65	44	5	-	-	2	0	4·6	-
	Upper Heyford	05·0	-18	-	0	zo	60	65	47	6	1	-	9	2·3	4·6	2800
4	Ross-on-Wye	05·9	-20	NE	2	zo	58	55	43	5	-	3	-	0	1	-
5	Hartland Point	05·8	-8	N	1	c	49	85	44	7	-	-	6	0	7·8	-
	Bristol ...	06·6	-16	NE'N	2	zo	56	65	45	5	5	3	-	2·3	9	4000
	Portland Bill ...	07·5	-4	N	2	c	49	85	45	8	2	4	-	4·6	9	4000
	Plymouth ...	06·6	-6	SW'S	3	zo	52	75	45	6	-	7	-	0	9+	-
	The Lizard ...	06·4	-2	ENE	1	c	55	75	47	6	8	5	-	4·6	7·8	2000
	Scilly (St. Mary's)	06·7	-2	SW'W	1	c	54	75	46	6	8	6	8	4·6	9	1500
	Guernsey ...															
6	Pembroke ...	06·9	-4	S'W	3	zo	50	85	45	6	2	3	-	2·3	7·8	3000
7	Holyhead (Valley)	06·0	-12	NE	4	zo	57	55	41	6	-	8	5	0	4·6	-
	Chester (Sealand)	06·8	-2·4	ENE	2	c	59	55	41	5	-	-	7	0	9+	-
8	Manchester ...	06·7	-18	NE	4	zo	56	65	43	6	-	8	2	0	7·8	-
10	Spurn Head ...	08·4	-18	E'N	4	b	48	85	45	7	-	-	-	0	0	-
	Catterick ...	10·9	-6	NNE	4	zo	51	75	41	6	-	-	2	0	9+	-
	Tynemouth ...	13·0	-8	NE	3	bc	46	85	43	7	2	3	-	2·3	4·6	2800
11	St. Abbs Head	13·0	-20	NNE	1	bc	45	92	43	7	5	-	-	4·6	4·6	2000
	Leuchars ...	13·9	-10	E	3	b	48	75	41	8	5	-	8	Tr	1	1500
12	Renfrew (Abbots I.)	11·2	-18	E	4	c	59	45	38	7	-	4	2	0	7·8	-
	Eskdalemuir ...	10·1	-16	NE'E	4	bc	57	65	43	8	1	7	1	Tr	4·6	3800
	Point of Ayre...	08·8	-22	E'N	4	c	53	75	45	8	-	-	6	0	7·8	-
13A	Tiree ...	11·9	-10	N'W	1	bc	53	75	45	8	-	3	5	0	4·6	-
13B	Stornoway ...	13·4	-8	-	0	c	59	85	54	8	-	-	2	0	7·8	-
15	Dalwhinnie ...	12·7	-10	SSE	3	bc	61	85	32	8	-	-	9	0	2·3	-
	Aberdeen ...	15·5	-12	E'N	3	b	48	75	41	8	-	-	-	0	0	-
	Wick ...	16·2	-14	E'S	3	b	49	85	43	9	-	-	1	0	Tr	-
16	Sumburgh ...	28·0	-14	ESE	3	b	48	75	41	9	-	-	-	0	0	-
17	Blacksod Point	08·7	-12	WNW	1	c	57	75	49	7	5	-	6	2·3	7·8	4000
	Malin Head ...	12·0	-14	E	3	bc	50	85	46	8	4	4	-	2·3	4·6	4000
	Aldergrove ...	09·0	-18	E	4	b	60	55	41	8	-	-	8	0	1	-
19	Birr Castle ...	07·0	-14	NE	2	c	59	65	47	7	5	-	5	2·3	9	2500
20	Valentia Obsy.	07·3	-10	NW'N	2	c	55	75	47	8	-	7	-	0	10	-
	Roches Point	07·1	-8	E	3	c	53	75	45	7	5	-	-	7·8	7·8	2500

OBSERVATIONS at 18h. 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)	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)	051	+2	SW	2	zo	57	65	46	6	5	7	-	Tr	9+	2500	0	*
	Croydon ...	05·3	+4	SSW	3	zo	57	65	47	6	-	3	-	0	10	-	0	*
	S. Farnborough	05·4	+6	SW	3	zo	57	65	45	6	-	7	8	0	9+	-	0	*
	Boscombe Down	06·2	+2	SSW	3	c	54	65	48	7	5	3	1	2·3	7·8	5700	0	*
	Thorney Island	06·3	0	SSW	3	zo	53	75	46	6	1	7	-	Tr	9+	5700	0	*
	Lympne ...	07·5	+4	SSW	1	zo	50	85	44	6	-	4	-	0	4·6	-	0	3
	Manston ...	05·8	+2	S'W	2	zo	56	75	47	6	-	3	-	0	9+	-	0	*
2	Shoeburyness ...	06·2	+2	E'S	1	bc	49	85	45	5	-	7	-	0	4·6	-	0	*
	Felixstowe ...	059	+2	ESE	1	zo	48	75	44	6	-	5	8	0	9+	-	0	2
	Gorleston ...	06·6	-6	E'S	2	zo	47	85	43	6	-	-	8	0	4·6	-	0	3
	Mildenhall ...	05·2	-2	SE'E	2	zo	55	65	43	6	-	7	-	0	4·6	-	0	*
	Cranwell ...	05·8	-2	E'N	3	zo	50	75	43	6	-	7	6	0	9+	-	0	*
3	Birmingham ...	04·9	0	ENE	2	zo	58	55	42	6	5	7	-	4·6	7·8	4000	0	*
	Upper Heyford	045	0	SW'S	2	zo	59	65	47	6	-	7	-	0	10	-	0	*
4	Ross-on-Wye	05·0	0	S	2	pr	56	65	46	6	5	2	-	7·8	10	2000	1	*
5	Hartland Point	05·7	0	WSW	3	c	49	75	42	7	5	6	6	4·6	9+	4400	0	3
	Bristol ...	05·8	+2	W	1	zo	57	75	49	6	5	7	5	1	9	4000	0	*
	Portland Bill ...	07·9	0	S	2	o	47	92	45	7	5	-	-	10	10	2500	1	3
	Plymouth ...	06·5	-2	SSW	3	zo	49	85	46	6	-	7	-	0	9+	-	0	1
	The Lizard ...	06·1	-4	WNW	1	c	51	85	47	6	8	6	-	7·8	7·8	1500	0	2
	Scilly (St. Mary's)	06·2	-6	W'N	1	c	52	85	48	6	8	-	-	9+	9+	1500	0	2
	Guernsey ...																	
6	Pembroke ...	05·7	-4	NW'W	2	zo	50	75	41	6	5	3	-	4·6	7·8	3000	0	2
7	Holyhead (Valley)	03·9	-6	ENE	3	zo	56	55	42	6	2	9	-	1	7·8	4000	0	3
	Chester (Sealand)	04·9	-6	ENE	2	c	59	55	44	6	-	9	8	0	7·8	-	0	*
8	Manchester ...	05·3	-2	E'N	3	c	55	65	44	6	-	8	2	0	10	-	0	*
10	Spurn Head ...	07·1	-4	E'N	3	zo	46	97	45	6	8	-	-	10	10	2500	0	4
	Catterick ...	08·5	-6	NNE	3	m	45	85	41	4	5	1	-	4·6	9+	900	0	*
	Tynemouth ...	10·8	-8	E	3	c	44	92	42	7	8	-	-	9	9	2800	0	3
11	St. Abbs Head	11·2	-6	NE	1	c	42	97	41	6	5	7	-	4·6	7·8	1800	0	3
	Leuchars ...	11·1	-14	ENE	3	c	45	85	41	8	1	-	8	4·6	7·8	3000	0	*
12	Renfrew (Abbots I.)	09·6	-4	E	3	c	53	65	42	7	-	7	6	0	9	-	0	*
	Eskdalemuir ...	08·6	-6	NE'N	3	c	50	65	40	8	5	-	6	Tr	7·8	2500	0	*
	Point of Ayre...	059	-6	E	4	c	51	75	42	8	-	-	9	0	7·8	-	0	4
13A	Tiree ...	09·7	-6	N	1	bc	51	85	46	8	-	-	6	0	4·6	-	0	2
13B	Stornoway ...	10·5	-10	NNE	3	c	54	75	46	8	-	-	2	0	7·8	-	1	1
15	Dalwhinnie ...	11·5	-10	SSE	2	c	53	65	40	8	5	-	9	2·3	7·8	4000	0	*
	Aberdeen ...	13·4	-10	E'S	2	b	45	85	42	7	5	-	1	1	1	1700	0	2
	Wick ...	13·5	-14	SE'E	3	b	45	85	42	7	-	-	1	0	1	-	0	*
16	Sumburgh ...	15·5	-14	ESE	3	bc	47	75	40	9	-	-	6	0	4·6	-	0	2
17	Blacksod Point	07·8	-2	NNE	3	c	52	92	51	8	5	-	9	2·3	9	2500	0	3
	Malin Head ...	07·9	-6	E	3	bc	51	75	43	8	4	-	4	2·3	4·6	4000	0	2
	Aldergrove ...	06·8	-10	NE'N	2	bc	60	55	44	7	-	-	6	0	2·3	-	0	*
19	Birr Castle ...	05·7	-2	N	1	c	58	65	46	7	5	7	-	4·6	9	2500	1	*
20	Valentia Obsy.	06·3	-4	NNW	4	c	55	85	51	7	-	9	-	0	9+	-	1	3
	Roches Point	05·8	-6	S	1	c	52	85	48	7	5	3	-	2·3	7·8	2500	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 18th (39)	Weather. 13h.—18h. 18th (40)	Weather. 18h.—1h. 18th/19th (41)	Weather. 1h.—7h. 19th (42)
1	London (Kew)	b,czoy	czoyczo	czo	cbbcw
	Croydon ...	bcmcz	czczoy	czobmow	bmbz,cmw
	S. Farnborough	cmobczo	bbrczo	czowbmo	bcbmow
	Boscombe Down	cmobc	bcobc	bcmobm	bmofe
	Thorney Island	cmoccmo	cmo	cmocm	cmff
	Lympne ...	cmobcmo	czo	bcbmow	bmwf
	Manston ...	bccmo	cbcmozo	bcmobm	bmbcmo
2	Shoeburyness ...	cmo	cmobcmo	bccmo	cmobcm
	Felixstowe ...	bbccmo	cmo	cmobmow	bmowbcmo
	Gorleston ...	bczo	bcmo	cmobcb	bbcwzo
	Mildenhall ...	b,cy	cybc	b,cmo	cmircmo
	Cranwell ...	cbc	b,czo	bczobmo	bmocf
3	Birmingham ...	bccz	bccz	cbc	cbc
	Upper Heyford	cmoczoy	bczoczo	czobcmo	bmobm
4	Ross-on-Wye	czbzcz	bzcz	czo	czbmow
5	Hartland Point	cbc	c	cbc	bcc
	Bristol ...	cmoczo	czoczo	cbcczo	bcmbmow
	Portland Bill ...	c	c	bcc	coff
	Plymouth ...	bcmocmbcmocmo		bmocmo	ofcmow
	The Lizard ...	bczo	czo	cbczw	ffcb
	Scilly (St. Mary's)	cbcc	c	c	cbcw
	Guernsey ...				
6	Pembroke ...	cmo	cmo	cbczow	bcwcm
7	Holyhead (Valley)	cbczoy	bcczoy	cbcbmo	cmobcw
	Chester (Sealand)	b,czo	bcczo	bccyzmo	bcmoc
8	Manchester ...	bczo	czoy	bcmo	bccmo
10	Spurn Head ...	b	omo	bc	bzo
	Catterick ...	bczoczo	bzocm	of	ofom
	Tynemouth ...	bbc	bcc	bcc	co
11	St. Abbs Head	bbcm	bcmcmo	cmo	bcmop
	Leuchars ...	b	bbc	bccmo	bccmow
12	Renfrew (Abbots I.)	bcbczo	czoycy	czobccmo	cmow
	Eskdalemuir ...	bbc	bc	bcco	omo
	Point of Ayre...	bbcc	c	bccbc	bbcczo
13A	Tiree ...	bc	bc	bcb	bcczo
13B	Stornoway ...	c	c	b	bcc
15	Dalwhinnie ...	cbcy	bcc		c
	Aberdeen ...	b	b	bzo	bffw
	Wick ...	b	b	bbmo	bmocmo
16	Sumburgh ...	b	bbc	bccbc	bcb
17	Blacksod Point	bc	bc	bc	bc
	Malin Head ...	c	bc	bc	bc
	Aldergrove ...	cbcby	bybcy	bcb	bcmcmw
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	c	bc	c	r
	Roches Point	bc	bc	bc	r

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

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light south to southwest wind; fair at first, cloudy with local thundery rain or showers later today and tonight; local fog in early morning; rather warm during day.
5 S.W. England 6 South Wales	As 1–4 but some coastal fog.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light variable wind becoming southerly; variable cloud local thundery rain; fog in places in early morning; rather warm during day.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light southeast or variable wind; fair at first slight local rain later, fog patches on east coast; rather warm during day except near east coast.
16 Orkneys and Shetlands	As 13A – 15.
17 N.W. Ireland 18 N.E. Ireland	As 7 – 12.
19 S.E. Ireland 20 S.W. Ireland	Light variable wind; mainly cloudy, occasional thundery rain or showers, average temperature or rather warm.

GENERAL INFERENCE

A shallow low pressure system covers the British Isles and the Bay of Biscay and will be maintained. Light winds will prevail generally. There will be some fine periods at first especially in the East and North, but for the most part conditions will be rather cloudy and some light showers are probable locally. Later a more pronounced tendency to thundery conditions will be in evidence and some thundery rain is likely to spread up from the South. Local morning fog patches will occur.

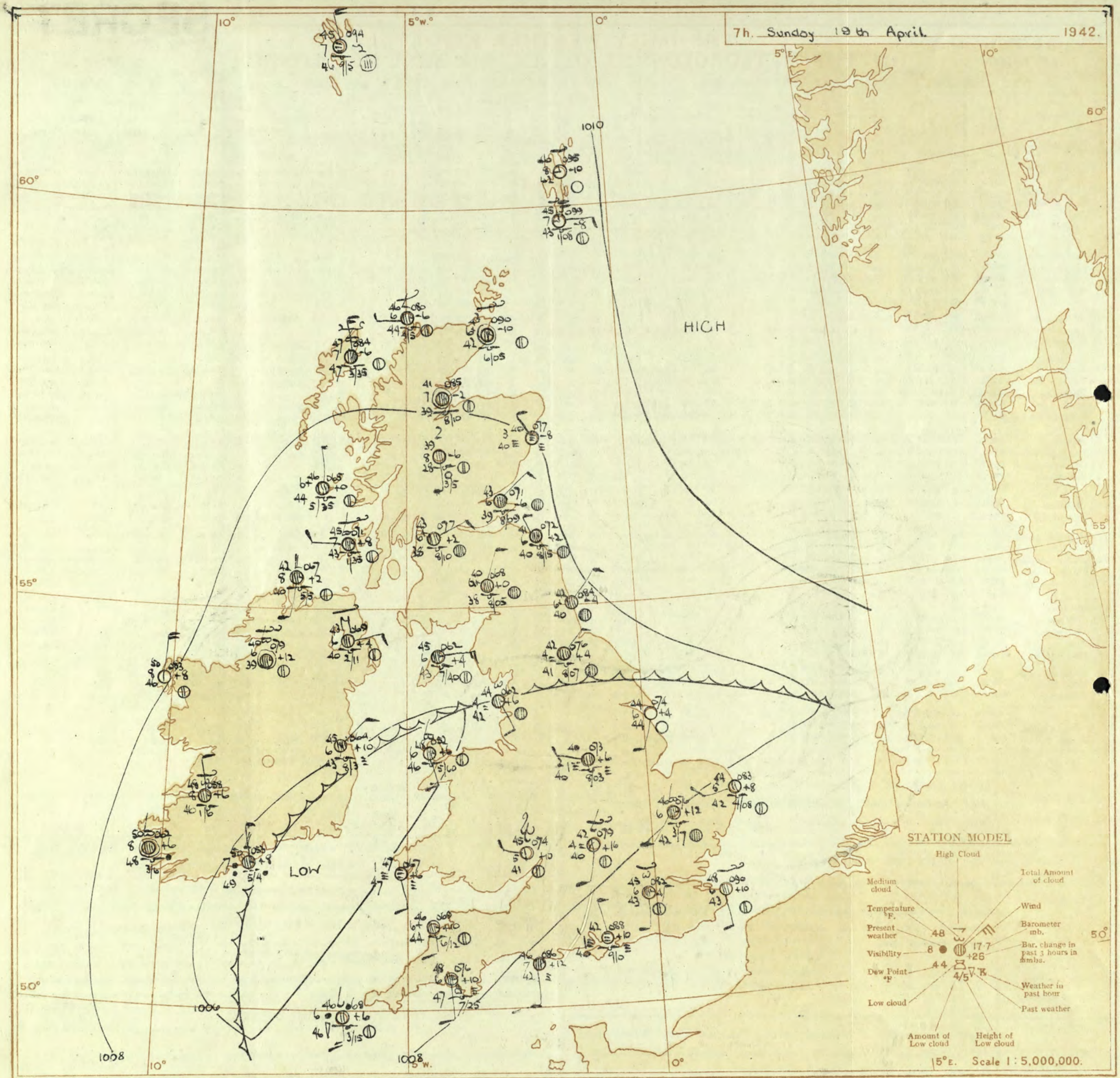
FURTHER OUTLOOK

Occasional thundery rain in many districts.

Forecasts issued at 10.30. G.M.T.

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

7h. Sunday 19th April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

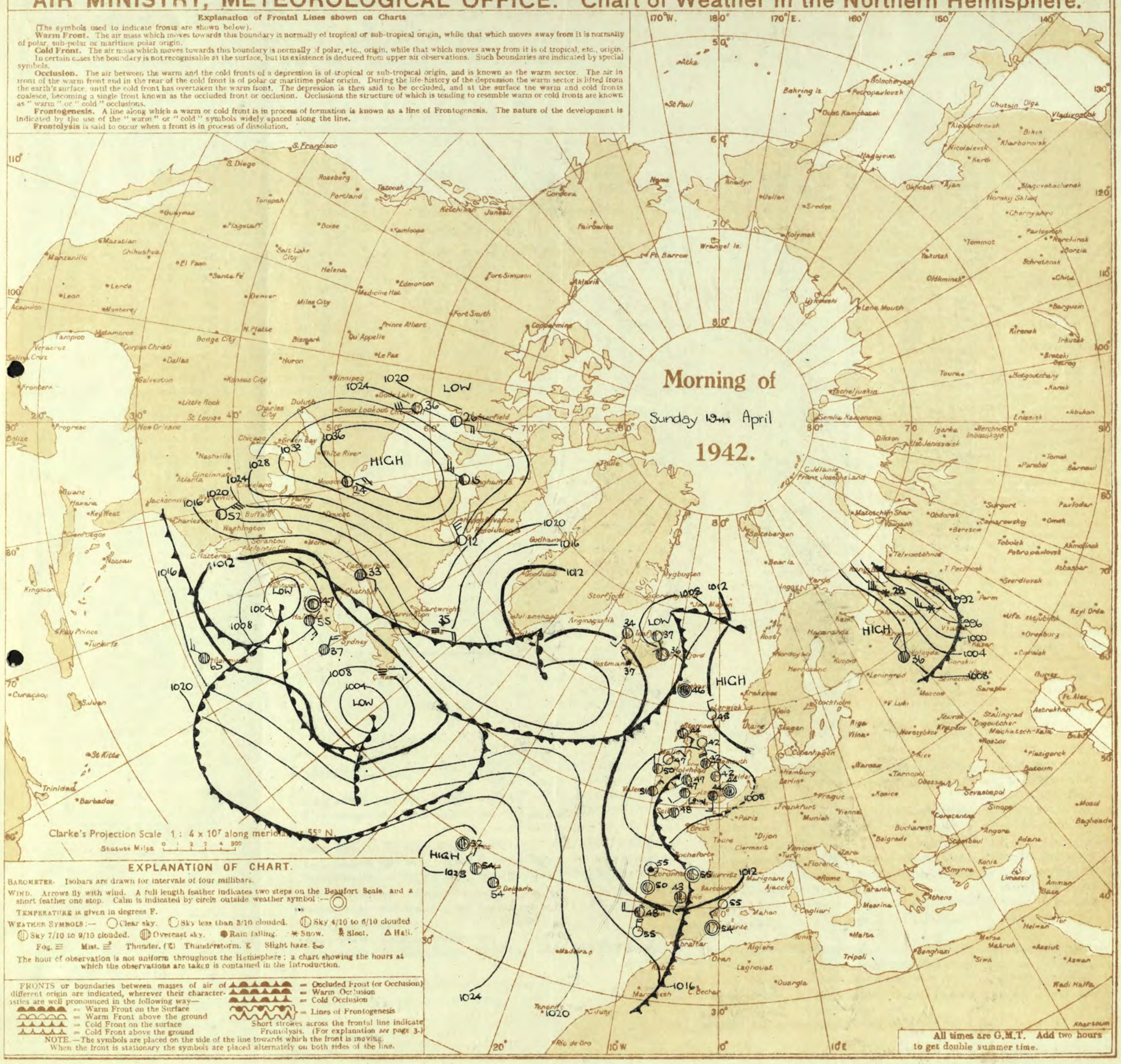
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (E) 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 19th April 1942

No. 29368

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	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon	290	07·5	+6	S	3	Zo	44	97	43	5	-	-	-	0	0	-
	S. Farnborough	226	07·6	+6	SW'S	1	Zo	44	92	42	5	-	-	8	0	1	-
	Boscombe Down	417	07·4	0	SW'S	2	m	43	97	43	4	-	3	-	0	2-3	-
	Thorney Island	10	08·0	+20	-	0	m	42	97	42	4	5	-	-	Tr	7-8	4000
	Lympne	283	09·1	+2	WSW	1	m	42	97	42	4	-	-	-	0	0	-
	Manston	154	07·8	+4	SW'S	3	m	44	85	41	4	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	06·9	+2	SW'W	1	Zo	48	85	45	5	-	7	-	0	7-8	-
	Gorleston	5	07·5	+2	-	0	Zo	44	97	43	6	-	-	-	0	0	-
	Mildenhall	15	06·2	0	S'W	2	Zo	43	85	40	5	5	-	-	10	10	5200
	Cranwell	203	06·4	-2	NNW	1	Zo	40	97	39	5	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·5	+10	SW	1	Zo	47	85	42	5	-	4	2	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·0	+2	SSE	3	bc	44	97	43	7	5	-	-	2-3	2-3	2500
	Bristol	209	07·0	+8	SSE	2	Zo	47	85	44	5	-	7	-	0	7-8	-
	Portland Bill	32	07·2	+16	SW	2	c	46	85	42	7	5	-	-	7-8	7-8	2500
	Plymouth	82	06·9	0	-	0	m	47	97	47	4	5	-	-	10	10	1200
	The Lizard	240	06·9	+2	SW	1	bc	47	97	47	6	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	06·4	-2	SW	2	c	48	92	47	6	5	-	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	05·7	+4	SW'S	2	Zo	47	97	46	6	5	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	04·4	+2	SSW	3	Zo	47	97	46	5	5	-	-	7-8	7-8	3100
	Chester (Sealand)	16	05·3	0	ESE	1	c	47	85	43	6	-	2	-	0	9+	-
8	Manchester	235	05·8	+4	NE'E	2	Zo	43	85	39	6	-	7	-	0	4-6	-
10	Spurn Head	29	06·5	0	NE	2	bc	42	97	41	6	1	-	-	2-3	2-3	4000
	Catterick	175	07·7	-6	N	2	Of+	42	92	40	2	5	-	-	10	10	500
	Tynemouth	108	08·8	-4	E	2	c	42	97	41	7	8	-	-	7-8	7-8	1500
11	St. Abbs Head	280	09·3	-6	-	0	bc	41	92	39	6	5	-	-	2-3	2-3	1500
	Leuchars	36	09·0	-14	E	2	Zo	41	97	40	5	5	-	-	10	10	500
12	Renfrew (Abbots I.)	19	08·5	-10	NE'E	3	Zo	43	85	40	6	5	-	-	9	9	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	06·0	-2	E'N	3	bc	45	85	42	7	*	4	-	0	2-3	*
13A	Tiree	22	09·7	-4	-	0	b	44	92	42	8	-	-	-	0	0	-
13B	Stornoway	80	09·8	-8	NNW	2	b	45	92	43	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·2	-16	-	0	f+	39	97	39	2	-	-	-	10	10	<150
	Wick	114	11·4	-10	SSE	4	b	42	97	41	6	-	-	-	0	0	-
16	Sumburgh	19	12·9	-14	ESE	3	bc	44	85	38	8	-	-	8	0	2-3	-
17	Blackrod Point	18	07·8	-2	N	2	bc	50	85	46	8	5	-	-	4-6	4-6	4000
18	Malin Head	84	07·1	-4	NE'E	2	b	47	92	45	8	-	-	-	0	0	-
	Aldergrove	268	07·0	-2	-	0	Zo	43	92	41	6	-	-	8	0	2-3	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·2	-6	NE'N	1	c	51	85	47	8	5	7	-	4-6	9	4000
	Roches Point	22	04·9	-6	NW'W	1	c	50	85	46	8	5	-	-	9	9	2500

OBSERVATIONS at 7 hr. G.M.T. 19th 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 18h. Hrs. (38)
London (Kew)	08·4	+10	-	0	Zo	45	92	43	5	-	5	4	0	2-3	-	0	*	62	41	27	-	Tr	4·8
Croydon	08·2	+4	S	2	Zo	45	92	43	6	-	3	1	0	9	-	1	*	64	41	37	-	Tr	3·8
S. Farnborough	08·2	+6	-	0	Zo	44	97	43	6	-	4	1	0	1	-	1	*	63	41	29	-	-	4·4
Boscombe Down	08·7	+12	SW	1	F	42	97	42	1	-	-	-	10	10	<150	1	*	61	41	*	-	Tr	4·8
Thorney Island	08·8	+10	NNW	2	F	42	97	42	1	5	-	-	10	10	<150	1	*	57	37	32	-	-	*
Lympne	09·5	+2	SSE	1	Zo	45	97	45	6	-	3	-	0	4-6	-	0	§3	60	37	30	-	-	4·5
Manston	09·0	+10	S'E	1	Zo	48	85	43	6	-	3	2	0	7-8	-	0	*	56	43	36	-	-	3·8
Shoeburyness	09·0	+6	WSW	2	c	47	85	43	5	-	4	6	0	7-8	-	0	*	55	41	31	-	-	2·8
Felixstowe	08·7	+14	SW'S	2	Zo	47	85	43	6	-	-	5	0	4-6	-	0	1	52	43	37	-	-	6·3
Gorleston	08·3	+8	WSW	2	Zo	44	92	42	5	5	-	-	4-6	4-6	800	0	2	49	43	34	-	-	9·5
Mildenhall	07·6	+12	SW'S	2	Zo	46	85	42	6	5	7	-	2-3	9+	5700	0	*	62	43	25	-	Tr	5·3
Cranwell	07·3	+6	W'N	1	Of+	40	97	40	2	5	-	-	10	10	300	0	*	59	39	32	-	Tr	5·2
Birmingham	06·7	+6	SW	2	m	47	85		4	-	5	-	0	9	-	0	*	61	43	37	-	-	5·7
Upper Heyford	07·9	+16	S'W	2	m	42	92	40	4	-	4	2	0	2-3	-	0	*	61	39	33	-	-	
Ross-on-Wye	07·4	+10	W	1	Zo	45	85	41	5	-	4	9	0	2-3	-	0	*	61	42	29	Tr	-	3·9
Hartland Point	06·9	+10	SSE	2	c	46	92	44	6	5	-	-	9	9	1200	0	3	52	44	42	-	-	4·3
Bristol	08·1	+6	ESE	1	Zo	44	92	42	5	-	-	5	0	Tr	-	0	*	61	39	33	-	-	4·8
Portland Bill	08·6	+12	S	2	c	46	85	42	7	5	-	-	9	9	2500	1	3	50	43	*	-	-	*
Plymouth	07·6	+10	S	2	Zo	48	97	47	6	8	-	-	9+	9+	2500	0	2	55	43	37	-	-	4·6
The Lizard	07·0	+4	SSW	1	bc/f	47	97	45	6	5	6	-	4-6	4-6	1500	1	2	56	45	*	-	-	7·4
Scilly (St. Mary's)	06·8	+6	S'E	3	bc	46	97	46	6	5	4	-	2-3	4-6	1500	0	3	56	44	*	-	-	5·6
Guernsey																							
Pembroke	06·5	+8	SE	3	m	46	97	46	4	5	-	-	10	10	600	0	2	51	40		-	-	3·0
Holyhead (Valley)	05·2	+6	SSE	3	Zo	48	92	46	6	5	7	-	7-8	9+	6000	0	2	60	42	36	-	-	*
Chester (Sealand)	06·1	+6	SE	1	m	47	85	43	4	5	1	-	7-8	9	4000	0	*	62	46	42	-	-	7·8
Manchester	06·5	+4	-	0	Zo	47	85	43	5	-	3	-	0	9	-	0	*	61	41	33	-	-	*
Spurn Head	07·4	+4	SSW	2	Zo	44	97	44	6	-	-	-	0	0	-	0	2	48	(42)		-	-	7·4
Catterick	07·6	+4	NE	1	m	42	92	41	4	5	-	-	10	10	700	0	*	52	38	31	-	-	9·2
Tynemouth	08·4	-4	NE	1	Zo	42	92	40	6	5	-	-	10	10	1400	0	3	47	41	40	-	-	*
St. Abbs Head	07·2	+2	NW	1	O	41	97	40	6	5	-	-	10	10	1500	0	2	46	40		-	-	
Leuchars	07·1	-6	NE	1	Zo	43	85	39	6	5	-	-	10	10	900	0	*	49	40	33	-	-	11·8
Renfrew (Abbots I.)	07·7	+2	NE'E	2	Zo	43	85	38	6	5	-	-	10	10	1000	0	*	61	42	39	-	-	8·7
Eskdalemuir	06·8	0	NNE	2	O	40	92	38	6	5	-	-	10	10	500	0	*	61	39	38	-	-	9·1
Point of Ayre	06·2	+4	E	3	Zo	45	92	43	6	5	-	-	9+	9+	4000	0	3	54	43	*	-	-	10·0
Tiree	06·9	0	N	1	c	46	92	44	6	5	-	-	7-8	7-8	3500	0	2	56	44	*	-	-	9·0
Stornoway	08·4	-6	NNW	3	c	47	97	47	7	5	7	7	2-3	10	3500	0	1	59	42	*	-	-	12·0
Dalwhinnie	08·5	-6	S	1	c	39	65	38	8	7	-	6	2-3	7-8	2500	1	*	62	34	26	-	-	10·9
Aberdeen †	07·7	-8	NW'W	2	f	40	97	40	3	-	-	-	10	10	<150	1	2	48	35	29	-	-	12·1
Wick	09·0	-10	-	0	Zo	43	97	42	6	5	-	2	9	9+	500	0	*	49	41	37	-	-	
Sumburgh	09·9	-8	E	2	b	45	92	43	7	5	3	1	Tr	1	800	0	2	50	42	38	-	-	12·7
Blackrod Point	08·3	+8	N	4	bc	50	85	46	8	5	-	-	2-3	2-3	4000	0	3	58	47	*	-	-	
Malin Head	06·7	+2	SW'S	1	c	42	92	40	8	5	2	-	7-8	9	2500	0	1	52	40		-	-	*
Aldergrove	06·9	+4	ENE	1	Zo	43	92	40	6	5	8	1	1	7-8	1100	0	*	62	39	34	-	-	11·1
Birr Castle	05·8	+10	NNE	1	c	42	92	40	7	5	-	-	2-3	9	2500	1	*	61	40	34	-	-	
Valentia Obsy.	06·2	+6	-	0	c	50	92	48	8	5	7	-	2-3	10	4000	1	0	57	49	46	Tr	0·2	
Roches Point	05·3	+8	N	1	ir	50	97	40	7	6	2	-	7-8	9+	1500	1	2	55	49	*	-	0·6	*

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 03	00890	02401	03	00890	08401	00	00880	12401	53	05621	12204
115 54	01653	12114	54	01653	12114	54	01761	20113	51	02654	24116
203 00	05790	12120				00	05790	12300	5-	09728	32228
206 00	00890	08401	00	00890	08401	00	00790	00000	5-	02748	00018
210 00	00890	06401	00	00890	06401	00	05690	09200	5-	41637	19247
220 03	01890	29204	03	01890	29204				13	05790	32103
230 03	00890	08203	03	00890	08203	03	00690	08101	07	02890	04126
245 00	00990	07501	00	00990	07501	50	00732	01202	5-	05628	04218
260 50	01851	04202				5-	05628	06228	5-	05648	06068
278 50	01861	10305	07	01790	07615	07	02790	09317	57	05664	20226
279 07	01790	07615	07	01780	07615	50	01763	06513	5-	05656	04426
285											
288 5-	05637	04417	5-			5-	41428	05128	5-	47338	00048
575 00	00890	08202	00	00890	08202	57	05654	00016	07	05690	00016
301 00	05690	08417	00	05690	08417	00	05690	06320	03	08490	12226
321 50	01754	37427	50	01754	37427	07	05590	02223	--	44209	30149
299						00	00690	32200	--	46109	32249
292			17	01751	05414	5-	08418	29208	5-	43208	29148
310											
614 23	05654	06325	23	05654	06325	03	08490	00026	--	48009	04149

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
333 00	02790	08115	00	02790	08115	04	02590	16126	50	01642	14313
334 --	05672	06203	--	05672	06203						
340 03	02790	06327	03	02790	06327	00	08490	12318	00	08490	14225
136 03	01790	08305	07	05690	10312	00	05590	14103	04	05590	18128
336 53	01753	04414	53	01753	04414						
350 14	05653	04315			04315	00	08490	18220	07	05690	19303
368 00	05690	14323	00	05690	14323	00	08490	25110	50	42544	16144
379 07	05690	06053	07	05690	06053	07	05590	22314	04	45109	20343
390 07	05690	32217				04	08490	18111	00	08490	16144
382 73	05654	06225	73	05654	06225	03	05690	00012	03	05590	00026
438									54	05662	11315
430						00	08490	00026	00	08490	00024
409 53	05664	23316	53	05664	23316	50	05563	12243	5-	05567	14247

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of Sunday 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	bcZoy	cZoycZo	cZobbcw
Croydon	bcmcz	czcyoy	czobmow
Greenwich	bbcZoy	bccZoy	cbwcbZoy
Camden Square	o	c	*
Kensington	bc	bcc	*
Hampstead	bc	c	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time
Min. Time

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	62	41	27	-	Tr	4·8	*	*
Croydon	64	41	37	-	Tr	3·8	*	*
Greenwich	66	41	39	-	-	5·9	56	55
Westminster	65	43	38	-	-	*	*	57
Regents Park								
Camden Square	68	44	34	-	-	*	*	65
Kensington	65	43	35	-	-	*	65	69
Hampstead	64	42	37	-	-	*	*	69

SECRET

Page 1

BRITISH SECTION

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

Monday 20th April 1942

No. 29369

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)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	08·1	+6	SW	3	c	58	55	46	7	8	-	8	7-8	9+	2500
	Croydon ...	08·1	-4	SW	2	c	62	45	39	7	2	-	3	2-3	9+	2500
	S. Farnborough	08·1	-6	SW'S	3	bc	61	55	44	8	1	-	2	4-6	4-6	4000
	Boscombe Down	09·0	+2	SW'S	3	fg	57	55	42	7	8	-	-	7-8	7-8	3000
	Thorney Island	09·5	+2	SW	3	z0	52	85	47	5	1	-	9	1	2-3	4000
	Lympne ...	10·7	+4	SSE	1	c	56	75	48	7	-	-	8	0	7-8	-
	Manston ...	08·7	-6	SSW	3	[illegible]	62	46	40	6	1	4	2	Tr	9	3000
2	Shoeburyness ...	08·9	-2	SSE	1	bc	59	65	48	5	1	4	6	1	4-6	2500
	Felixstowe ...	08·9	+2	SSE	3	z0	56	65	46	6	1	-	6	Tr	9+	4000
	Gorleston ...	08·4	-8	W'N	2	c	63	45	41	6	2	-	-	4-6	7-8	1100
	Mildenhall ...	07·7	-10	WSW	2	c	68	45	40	7	1	7	-	4-6	10	3000
	Cranwell ...	07·0	-6	SW	2	z0	60	55	44	6	2	-	6	1	9+	2500
3	Birmingham ...	07·1	+2	S	3	c	56	55	41	7	8	7	-	7-8	9	2500
	Upper Heyford	07·5	-4	SSW	3	z0	57	55	42	6	1	-	2	4-6	7-8	3000
4	Ross-on-Wye	07·9	0	SW	3	z0	55	65	41	6	7	-	1	4-6	7-8	3000
5	Hartland Point	07·9	+4	WSW	3	bc	51	75	47	6	1	-	-	2-3	2-3	2500
	Bristol ...	08·4	-2	S	3	z0	54	65	44	6	8	-	-	10	10	4000
	Portland Bill ...	09·8	+10	S	2	c	50	85	46	6	5	7	-	7-8	9	1500
	Plymouth ...	08·9	+4	SSW	4	z0	53	85	49	6	2	-	1	9	9	2500
	The Lizard ...	08·6	+4	SSW	2	c	51	92	49	7	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	07·7	+4	WSW	3	bc	55	75	50	7	8	-	-	4-6	4-6	1200
	Guernsey ...															
6	Pembroke ...	08·4	+10	S'E	2	m	50	92	48	4	5	-	-	10	10	600
7	Holyhead (Valley)	06·5	+4	S	3	z0	59	45	39	6	-	-	-	0	0	-
	Chester (Sealand)	05·6	-8	-	0	bc	62	55	46	6	1	-	-	4-6	4-6	4500
8	Manchester ...	07·6	+6	-	0	z0	60	55	46	6	-	3	-	0	9	-
10	Spurn Head ...	07·3	0	ENE	3	c	46	85	44	6	7	-	-	9	9	4000
	Catterick ...	06·9	-8	SE	1	z0	54	75	45	6	-	3	-	0	9+	-
	Tynemouth ...	07·8	-4	SE	3	z0	44	85	41	5	5	1	-	7-8	10	1400
11	St. Abbs Head	07·0	-4	NNW	2	c	46	85	40	6	5	-	-	7-8	7-8	3000
	Leuchars ...	06·3	-6	SW	2	z0	47	75	41	6	5	-	-	9	9	1000
12	Renfrew (Abbots I.)	06·9	-8	-	0	m	56	55	42	4	5	-	-	2-3	2-3	6000
	Eskdalemuir ...	05·4	-2	SW'S	3	b	57	55	40	7	1	-	-	Tr	Tr	3500
	Point of Ayre ...	06·7	+4	ESE	2	z0	61	85	46	6	-	3	-	0	7-8	-
13A	Tiree ...	08·4	+4	N	2	bc	50	92	48	7	-	3	5	0	2-3	-
13B	Stornoway ...	08·8	+6	NNW	5	c	52	85	46	8	2	6	-	4-6	7-8	2500
15	Dalwhinnie ...	07·3	-6	ENE	1	bc	62	25	27	8	1	4	-	1	2-3	4000
	Aberdeen ...	06·4	-6	SE'E	2	z0	49	75	42	6	-	-	3	0	Tr	-
	Wick ...	07·1	-6	ES	2	bc	47	85	44	7	5	3	1	2-3	4-6	800
16	Sumburgh ...	07·4	-10	ESE	3	bc	48	85	43	7	-	3	1	0	2-3	-
17	Blacksod Point	10·6	+10	N	6	c	53	75	45	7	8	-	-	7-8	7-8	2500
18	Malin Head ...	08·0	+6	NNW	3	z0	49	92	47	5	5	2	-	4-6	7-8	1500
	Aldergrove ...	07·1	0	NW'N	1	z0	54	55	40	6	5	-	-	7-8	7-8	2500
19	Birr Castle ...	06·8	+2	NNE	2	c	57	55	41	7	4	-	-	4-6	9	1500
20	Valentia Obsy.	08·0	+6	N'E	4	c	58	65	46	7	1	7	-	Tr	9	2500
	Roches Point	06·8	+6	SW	2	c	55	85	51	7	3	-	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 19th 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)	°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)	07·6	+2	SW	2	c	57	55	42	7	5	-	8	4-6	9	2500	0	*
	Croydon ...	07·8	+2	SSW	3	c	58	55	43	7	-	-	3	0	7-8	-	0	*
	S. Farnborough	08·2	+2	SW	4	c	55	65	45	8	-	-	4	0	7-8	-	0	*
	Boscombe Down	08·3	-8	WSW	3	c	55	55	40	7	8	6	2	7-8	7-8	3000	0	*
	Thorney Island	09·1	0	SSW	2	bc	51	85	48	7	1	-	9	1	4-6	4000	0	*
	Lympne ...	10·1	-2	SSW	2	z0	52	75	43	6	-	-	3	0	1	-	0	§3
	Manston ...	08·3	+2	SW'S	3	z0	55	65	43	6	-	-	3	0	7-8	-	0	*
2	Shoeburyness ...	08·3	-2	S	2	c	57	65	45	6	-	-	6	0	7-8	-	0	*
	Felixstowe ...	07·9	-2	S	2	c	51	75	45	7	-	-	3	0	9	-	0	3
	Gorleston ...	08·2	-2	SSW	3	z0	54	75	46	6	5	-	-	10	10	1600	1	3
	Mildenhall ...	06·6	-4	SW'N	3	bc	62	45	38	7	1	7	-	1	2-3	4000	0	*
	Cranwell ...	06·3	-2	SW'N	2	bc	53	55	40	7	2	4	8	2-3	4-6	2500	0	*
3	Birmingham ...	07·0	0	S	2	c	56	55	40	7	-	7	-	0	9+	-	0	*
	Upper Heyford	07·4	0	SW'N	2	c	56	55	40	7	5	7	6	4-6	10	3500	0	*
4	Ross-on-Wye	07·2	0	SW	3	z0	56	55	41	6	8	-	8	7-8	9+	3000	0	*
5	Hartland Point	08·4	+4	WSW	2	bc	52	75	42	7	5	4	-	4-6	4-6	3500	0	3
	Bristol ...	08·4	0	W	3	z0	55	65	44	6	4	-	6	1	9	2500	0	*
	Portland Bill ...	09·3	+2	SW	2	c	48	85	44	7	5	4	-	7-8	9	2500	1	3
	Plymouth ...	09·3	+2	SW	4	z0	50	92	48	6	2	7	6	1	7-8	2500	0	2
	The Lizard ...	09·2	+4	SW	3	bc	51	92	49	7	8	7	-	4-6	4-6	1500	0	3
	Scilly (St. Mary's)	08·3	+2	SSW	3	bc	52	85	49	7	5	-	2	2-3	4-6	1500	0	3
	Guernsey ...																	
6	Pembroke ...	07·7	+6	NW	1	c	54	75	49	7	2	6	3	4-6	4-6	2500	1	1
7	Holyhead (Valley)	06·9	0	SW	3	[illegible]	46	97	46	1	-	-	-	10	10	<150	0	2
	Chester (Sealand)	08·4	+16	NNW	1	z0	50	85	46	6	5	-	-	9+	10	4000	0	*
8	Manchester ...	07·5	±16	WSW	3	pn	52	85	46	6	9	-	-	10	10	1800	0	*
10	Spurn Head ...	06·8	-6	ENE	2	z0	46	92	44	6	8	-	-	10	10	1500	0	2
	Catterick ...	06·3	-10	NW	2	ig	55	65	43	5	6	2	-	10	10	1200	0	*
	Tynemouth ...	06·0	+6	S'W	2	bc	52	75	44	6	-	3	1	0	2-3	-	0	*
11	St. Abbs Head	06·8	0	WNW	3	z0	50	85	43	6	-	4	-	0	2-3	-	0	2
	Leuchars ...	08·4	0	N	4	b	48	85	45	7	-	-	5	0	1	-	0	4
12	Renfrew (Abbots I.)	09·7	+6	NNW	4	c	47	92	45	8	5	7	-	7-8	10	1200	0	2
	Eskdalemuir ...	06·9	+4	N	3	bc	56	45	32	8	1	-	-	2-3	2-3	4000	0	*
	Point of Ayre ...	05·9	-2	E'S	2	z0	45	92	42	5	5	-	3	7-8	7-8	300	1	2
13A	Tiree ...	07·0	+4	NW	4	c	48	85	45	7	5	-	-	10	10	1000	0	*
13B	Stornoway ...	06·4	-8	WSW	1	ojf	45	92	43	6	5	-	-	10	10	700	0	1
15	Dalwhinnie ...	11·9	+10	N	6	c	51	75	43	8	8	-	-	10	10	1500	0	5
	Aberdeen ...	08·8	+6	NNW	4	c	49	85	45	6	8	7	-	4-6	9	1500	0	1
	Wick ...	07·5	+6	NW	2	z0	52	75	44	6	7	1	9	7-8	7-8	3500	0	*
16	Sumburgh ...	07·0	+6	NNE	2	c	55	65	44	7	5	7	-	4-6	9	1500	1	*
17	Blacksod Point	10·4	+16	NNE	5	c	53	75	45	7	1	7	-	1	9+	2500	1	4
18	Malin Head ...	07·3	+2	SE	2	c	56	65	42	8	8	3	-	4-6	7-8	1500	1	3
	Aldergrove ...																	
19	Birr Castle ...																	
20	Valentia Obsy.																	
	Roches Point																	

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 19th (39)	Weather. 13h.—18h. 19th (40)	Weather. 18h. 19th to 1h. 20th (41)	Weather. 1h.–7h. 20th (42)
1	London (Kew)	bczcy	cy	cybczo	bcbmow
	Croydon ...	bycy	cy	cybcmo	bmowcmo
	S. Farnborough	bmzbc	bcybc	bcpucmo	cbcmow
	Boscombe Down	pfecmz	bcy	bcmo	bcmocmo
	Thorney Island	Fcbmz	bbcmzbc	bcmmo	ofmow
	Lympne ...	bcmzmc	cybc	bcbmow	bmowff
	Manston ...	bcbzy	czybcz	bczomo	bmowcmo
2	Shoeburyness ...	bcmo	bccmz	cbcmo	bcmo
	Felixstowe ...	bcmzmz	cmzbcc	ccmobmo	bmocmowcm
	Gorleston ...	bczz	cpzcz	cmbzozo	bczo
	Mildenhall ...	bczbcy	cybcy	bmo	bzobccmo
	Cranwell ...	bczzy	bczbcy	bcybczo	cbccmo
3	Birmingham ...	cbc	cy	cbc	bcm
	Upper Heyford	bczz	czy	czozbmo	bcmcmo
4	Ross-on-Wye	bzbcc	bcyfy	c	cbcmo
5	Hartland Point	cbc	bc	cbc	bcf
	Bristol ...	czz	czyczz	czobcmo	bccmow
	Portland Bill ...	c	bcc	bcc	c
	Plymouth ...	cmzbccm	czz	bcmoomo	cmow
	The Lizard ...	cbcc	cbc	bcc	bccw
	Scilly (St. Mary's)	bccbc	bc	bcw	bcc
	Guernsey ...				
6	Pembroke ...	mo		bcmow	cm
7	Holyhead (Valley)	cbczz	bymf	ffmo	omcmo
	Chester (Sealand)	cmzx	czpz	cfofobm	cffmo
8	Manchester ...	czz	cmpz	fofacm	cmof
10	Spurn Head ...	c	omz	o	ozobb
	Catterick ...	ozcz	cfmzig	cmir	crfodo
	Tynemouth ...	pcmz	cmoofbcmomoir		
11	St. Abbs Head	cmz	cxcmzbf	ommo	bacmoomo
	Leuchars ...	cmzcz	czbz	cmoiocmo	cwm
12	Renfrew (Abbots I.)	cmbcZ	bczyb	bmobcmw	bmowbcf
	Eskdalemuir ...	obcb	byb	mbzobc	bcc
	Point of Ayre ...	czz	cbczz	bcczo	czo
13A	Tiree ...	bc	bc	bc	bc
13B	Stornoway ...	c	c	cprobc	bc
15	Dalwhinnie ...	cbcy	bcy		bco
	Aberdeen ...	ff bczz	bczz	bcfc	czow
	Wick ...	cmbc	bcmc	b,c	cbc
16	Sumburgh ...	bbc	bcmcjf	cmobc	bcc,b
17	Blacksod Point	bc	c	c	bc
18	Malin Head ...	c	c	c	c
	Aldergrove ...	bczbczz	bczycz	czocmoc	cbcb
19	Birr Castle ...	c	c	r	c
20	Valentia Obsy.	f	c	be	pr
	Roches Point	m	bc		b

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

Districts	Forecast
1 S.E. England	Light S.W. wind veering N.W; considerable fine periods but some thundery showers this afternoon; local fog in early morning; rather warm.
2 E. England ...	Light N.W. wind backing W. mainly cloudy with occasional rain today, local thunder; fair tonight but fog developing later, average temperature.
3 E. Midlands ...	
4 W. Midlands	As 1.
5 S.W. England	Light N.W. wind, backing gradually S.W. mainly fair, but a few scattered showers this afternoon, fog in places tonight, rather warm during day.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light W. to S.W. wind veering N.W. later, cloud increasing with occasional rain later today, showers tomorrow, average temperature today falling later.
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	
13B N.W. Scotland	Wind freshening from S.W, veering N.W. later, cloudy, with occasional rain today, showers later, average temperature today, becoming rather cold.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	
17 N.W. Ireland	As 11-12.
18 N.E. Ireland	
19 S.E. Ireland	As 6-10.
20 S.W. Ireland	

GENERAL INFERENCE

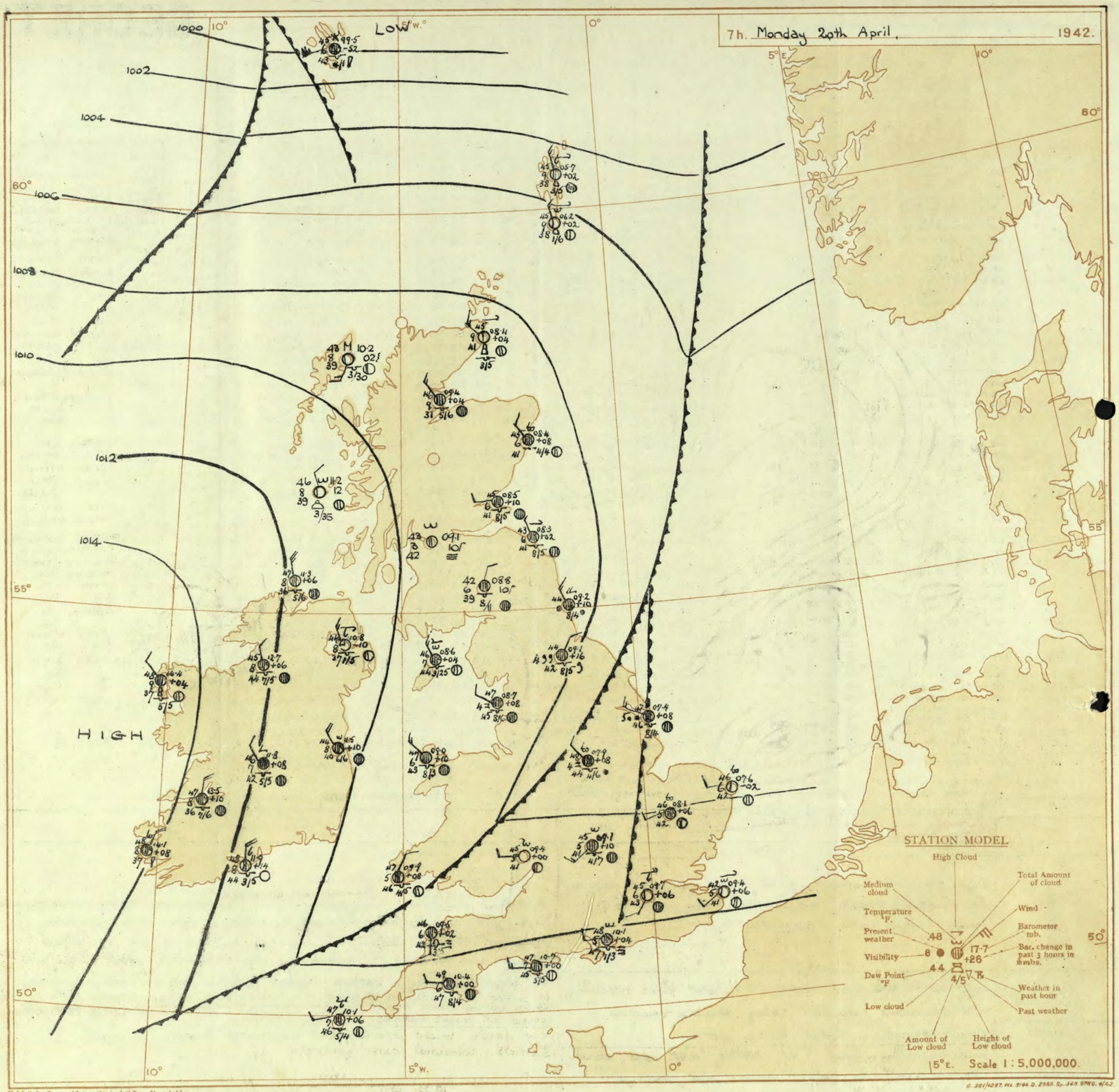
A shallow trough of low pressure from Yorkshire to Scilly is moving slowly S.E. and is being followed by a feeble ridge. A deepening depression S.E. of Iceland is moving East and an associated trough will move S.E. across the British Isles later. There will be slight rain today in eastern England and thundery showers are likely to develop later today in England and Wales. Cloudy conditions with occasional rain will occur in N.W. Scotland this afternoon and later will spread S.E. across Scotland.

FURTHER OUTLOOK

N.W. winds bright intervals and occasional showers in most districts. Somewhat cooler generally.

Forecasts issued at 10.30. G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 20th April 1942

No. 29,869

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	09·3	0	SSE	2	zo	43	97	43	5	-	-	1	0	2-3	-
	S. Farnborough	226	09·3	+2	SW'S	1	zo	43	97	42	6	-	1	-	0	9	-
	Boscombe Down	417	10·0	+2	SW	1	zo	44	97	43	5	5	-	-	10	10	5000
	Thorney Island	10	10·1	+2	WSW	2	zo	47	97	47	6	5	-	-	10	10	400
	Lympne	283	10·6	+2	-	0	zo	42	97	41	5	-	-	-	0	0	-
	Manston	154	09·2	0	SW	1	zo	43	97	42	5	-	·	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	08·4	+2	SW'W	1	zo	49	85	45	6	-	-	-	0	0	-
	Gorleston	5	08·0	-4	W'N	2	b	48	75	41	6	-	-	-	0	0	-
	Mildenhall	15	08·1	+2	SSW	2	zo	48	75	40	5	-	7	-	0	1	-
	Cranwell	203	07·5	+2	SW'W	1	zo	44	85	40	5	-	-	8	0	9	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·3	+4	W'N	1	m	45	92	42	4	-	7	1	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·2	+4	WSW	3	bc	48	75	42	7	5	-	-	4-6	4-6	1500
	Bristol	209	10·1	+4	SW	1	zo	46	85	43	6	5	-	-	4-6	4-6	4700
	Portland Bill	32	10·3	+6	WSW	3	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth	82	10·6	+6	SW	1	zo	48	97	48	6	5	-	-	10	10	1000
	The Lizard	240	10·6	+6	SW'W	3	c	47	97	47	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	09·7	+4	SW'S	2	bc	47	97	47	7	5	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	09·3	+4	WSW	3	zo	47	97	47	5	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	08·4	+6	W'N	3	o	46	97	45	6	5	-	-	10	10	1500
	Chester (Sealand)	16	08·3	+2	-	0	m	44	92	42	4	-	-	-	0	0	-
8	Manchester	235	08·4	0	-	0	∞r	47	97	47	5	6	2	-	7-8	10	2500
10	Spurn Head	29	06·8	-8	WNW	2	zo	47	92	45	6	5	-	-	10	10	4000
	Catterick	175	07·6	0	-	0	ir	48	85	45	4	5	-	-	10	10	2500
	Tynemouth	108	07·3	-2	W	3	zo	49	85	45	6	5	-	-	10	10	1500
11	St. Abbs Head	280	08·5	+24	NE	1	bc/f	41	97	41	6	5	-	-	4-6	4-6	1500
	Leuchars	36	07·5	+8	SE	1	zo	44	92	42	6	5	2	-	7-8	10	2200
12	Renfrew (Abbots I.)	19	07·3	+6	WSW	1	m	42	97	41	4	-	3	-	0	4-6	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07·8	+4	NW'W	3	zo	46	92	45	6	-	2	-	0	10	-
13A	Tiree	22															
13B	Stornoway	80	11·2	0	WNW	1	bc	40	92	38	8	5	-	-	2-3	2-3	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen†	79	08·0	+2	NW'N	3	zo	44	85	40	6	5	-	2	2-3	4-6	2000
	Wick	114	08·3	+2	NW	2	c	43	92	41	7	5	-	-	9	9	3100
16	Sumburgh	19	06·2	0	NNW	2	c	44	85	40	7	5	-	-	7-8	7-8	2000
17	Blacksod Point	18	14·0	+2	N	5	c	48	65	37	7	5	-	-	9	9	1500
18	Malin Head	84	10·8	+2	N	5	c	47	85	43	8	5	-	-	9+	9+	4000
	Aldergrove	268	09·6	+2	NNW	3	o	46	85	42	7	5	-	-	10	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·6	+6	N'E	5	o	49	75	42	7	5	-	-	10	10	2500
	Roches Point	22	10·1	+6	N	4	bc	49	85	45	8	5	-	-	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 20th 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)	09·6	+4	SW'W	2	zo	48	85	44	6	-	3	1	0	2-3	-	0	*
Croydon	09·7	+6	SSW	2	zo	45	92	43	6	-	4	2	0	2-3	-	1	*
S. Farnborough	09·6	+6	W	1	zo	47	85	44	6	-	3	-	0	4-6	-	1	*
Boscombe Down	10·1	+6	W'N	1	zo	45	92	43	5	-	3	-	0	7-8	-	0	*
Thorney Island	10·1	+4	W	2	zo	48	97	48	5	5	3	-	9+	9+	700	0	*
Lympne	10·9	+2	SSW	1	of-	43	97	43	3	5	-	-	10	10	100	0	§
Manston	09·4	+6	SW'W	2	zo	42	97	41	5	-	3	1	0	2-3	-	0	*
Shoeburyness	09·2	+4	W	2	bc	47	85	43	5	-	1	-	0	4-6	-	0	*
Felixstowe	08·4	+4	WSW	1	m	45	92	42	4	-	7	8	0	7-8	-	0	1
Gorleston	07·6	-2	W	2	zo	46	85	42	6	-	7	-	0	2-3	-	0	2
Mildenhall	08·1	+6	WSW	2	zo	46	85	43	5	-	7	-	0	9	-	0	*
Cranwell	07·6	+2	W	2	rf	47	92	45	3	5	-	-	10	10	5000	1	*
Birmingham	08·7	+6	W	2	m	47	75	40	4	-	3	-	0	2-3	-	0	*
Upper Heyford	09·1	+10	SW'S	1	zo	45	85	42	5	5	3	-	4-6	7-8	6000	0	*
Ross-on-Wye	09·4	0	W	1	zo	45	85	41	5	-	-	9	0	1	-	0	*
Hartland Point	09·5	+2	S	2	c	46	85	43	6	4	1	-	2-3	9+	2500	1	3
Bristol	10·4	+6	NW	3	zo	47	97	46	5	5	1	6	Tr	9+	1500	0	*
Portland Bill	10·7	0	W	3	c	47	92	46	7	5	-	-	7-8	7-8	2500	1	3
Plymouth	10·4	0	W	2	zo	49	92	47	6	5	-	-	10	10	1400	0	2
The Lizard	10·4	+2	WSW	2	c	49	97	48	7	8	2	-	7-8	10	1800	0	3
Scilly (St. Mary's)	10·1	+6	W'S	2	c	47	97	47	7	5	4	7	7-8	7-8	1500	0	2
Guernsey																	
Pembroke	09·9	+8	N'E	2	zo	47	97	47	5	5	1	-	4-6	7-8	2500	0	2
Holyhead (Valley)	09·0	+10	NW	3	zo	47	85	44	6	5	-	-	10	10	800	1	2
Chester (Sealand)	08·9	+6	W'N	2	of	47	92	45	5	5	-	-	10	10	1400	0	*
Manchester	08·4	+2	-	0	of+	46	97	46	3	5	-	-	10	10	1500	1	*
Spurn Head	07·4	+8	WNW	3	roro	47	97	47	5	5	-	-	10	10	1500	1	3
Catterick	09·1	+16	NNE	2	dodo	44	92	43	4	5	-	-	10	10	900	1	*
Tynemouth	09·2	+10	NNW	3	iro	44	92	42	6	-	2	-	10	10	1400	1	3
St. Abbs Head	08·3	+2	NNW	1	o	43	92	42	6	5	-	1	10	10	2400	0	2
Leuchars	08·5	+10	W	2	zo	45	85	42	6	5	-	-	10	10	2500	1	*
Renfrew (Abbots I.)	09·1	+10	-	0	bcf-	43	97	42	3	-	3	-	0	4-6	-	0	*
Eskdalemuir	08·8	+10	NNE	2	o	42	85	39	6	5	-	-	10	10	1100	0	*
Point of Ayre	08·6	+4	NW'N	3	c	46	92	44	7	5	3	5	2-3	9+	2500	0	2
Tiree	10·8	+2	NNW	4	c	48	85	47	8	5	-	-	7-8	7-8	3500	0	4
Stornoway	10·2	+2	SSW	3	bc	43	85	39	8	5	8	-	2-3	2-3	3000	0	1
Dalwhinnie	10·5	+2	NNW	2	o	41	75	36	8	5	-	-	10	10	2500	0	*
Aberdeen†	08·4	+8	NW	2	zo	49	83	42	6	6	7	-	4-6	10	1500	1	2
Wick	08·4	+4	NW'W	3	bc	45	85	40	9	8	-	1	2-3	2-3	2500	0	*
Sumburgh	06·2	+2	NNW	3	bc	45	75	38	9	1	3	1	Tr	2-3	4000	0	2
Blacksod Point	11·4	+4	NW	2	c	48	65	37	9	8	-	-	7-8	7-8	2500	0	2
Malin Head	11·3	+6	N'W	3	c	47	65	36	8	5	-	-	7-8	7-8	4000	0	4
Aldergrove	10·8	+10	NW'N	3	b	44	75	36	8	5	4	5	Tr	1	2500	0	*
Birr Castle	11·8	+8	NW	2	c	46	85	42	7	5	1	-	7-8	10	2500	1	*
Valentia Obsy.	14·1	+8	NNE	4	c	48	65	37	8	5	-	-	9+	9+	4000	1	4
Roches Point	11·9	+14	N	4	bc	48	85	44	8	5	4	-	2-3	4-6	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 13h–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)	61	46	38	-	Tr	8·7
Croydon	64	41	39	-	Tr	8·9
S. Farnborough	62	43	32	-	-	9·6
Boscombe Down	58	42	34	-	Tr	6·2
Thorney Island	56	45	37	-	-	*
Lympne	58	37	30	-	-	10·7
Manston	64	41	36	-	-	9·7
Shoeburyness	63	44	41	-	-	6·9
Felixstowe	57	43	36	-	-	11·6
Gorleston	63	44	43	Tr	7	5·5
Mildenhall	66	42	34	-	-	10·4
Cranwell	62	44	39	-	Tr	4·7
Birmingham	58	45	41	-	-	5·5
Upper Heyford	59	44	39	-	-	*
Ross-on-Wye	59	42	33	-	-	6·1
Hartland Point	54	45	44	-	-	6·4
Bristol	59	42	31	-	-	6·3
Portland Bill	51	51	*	-	-	*
Plymouth	54	47	40	-	-	5·1
The Lizard	55	45	*	Tr	-	6·1
Scilly (St. Mary's)	56	45	*	-	-	10·2
Guernsey						
Pembroke	55	39		1	Tr	7·1
Holyhead (Valley)	55	45	44	-	Tr	*
Chester (Sealand)	64	42	41	Tr	0·4	3·2
Manchester	64	46	37	Tr	1	*
Spurn Head	49	44		-	0·3	4·1
Catterick	56	44	43	Tr	0·2	1·3
Tynemouth	45	42	41	-	Tr	0·0
St. Abbs Head	45	33		-	-	
Leuchars	53	44	42	-	0·1	*
Renfrew (Abbots I.)	60	37	31	-	-	6·8
Eskdalemuir	59	39	36	-	-	7·9
Point of Ayre	52	45	*	-	-	3·3
Tiree	51	44	*	-	-	8·7
Stornoway	52	37	*	-	-	3·0
Dalwhinnie	64	39	34	-	-	11·5
Aberdeen†	49	39	34	-	-	5·7
Wick	49	41	38	-	-	
Sumburgh	50	41	34	-	-	9·7
Blacksod Point	53	43	*	-	-	
Malin Head	51	46		-	-	0·0
Aldergrove	57	42	39	-	-	4·6
Birr Castle	59	43	38	-	-	5·7
Valentia Obsy.	59	47	45	-	Tr	
Roches Point	59	46	*	2	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th April ... 18h. G.M.T. ... 01h. G.M.T. 20th April ... 07h. G.M.T.

II	13h. $C_L C_M$	13h. $wwVhN_h$	13h. DDFWN	18h. $C_L C_M$	18h. $wwVhN_h$	18h. DDFWN	01h. $C_L C_M$	01h. $wwVhN_h$	01h. DDFWN	07h. $C_L C_M$	07h. $wwVhN_h$	07h. DDFWN
109	08	01790	08203	5-	05635	30305	5-	01743	28413	7-	02965	26215
115	52	02644	32227	52	02844	28326	52	02834	28327			
203							5-	61938	28328	14	01942	24314
206	03	01790	00023	53	05653	32414	5-	05648	26128	5-	02965	28325
210	5-	05528	02228	--	44209	01249	5-	05658	24328	51	02856	25328
220	50	05753	29503	50	02747	29617						
230	08	02790	20814	03	05790	24312	00	00790	26100			
245	5-	05636	12226	5-	47218	09148	50	05634	23144	5-	02768	23128
260	00	05590	28120	00	05690	22100	00	05590	20110	5-	05548	04128
278	03	05790	02311	00	00790	31300	00	05690	28300			
279	00	05690	22200	08	05690	20403	00	08490	18200	--	48309	13149
286												
288	5-	05666	20145	52	45263	00048	--	57209	20169	52	62326	30168
575	17	01762	30114	57	61744	31258	50	00752	30212	5-	02857	30227
301	53	05565	28218	03	05590	28317	52	08464	30228			
321	03	05590	00044	83	05664	28215	5-	05558	26348			
299	5-	08454	00014	5-	05657	12127	5-	05636	00016	5-	52448	24158
292	5-	05567	17127	5-	45368	17148	02	05658	27148	02	22548	28268
310												
614	03	41590	22148	58	05663	20225	57	43354	21248	57	08464	28268

13h. G.M.T. 19th April ... 18h. G.M.T. ... 01h. G.M.T. 20th April ... 07h. G.M.T.

II	13h. $C_L C_M$	13h. $wwVhN_h$	13h. DDFWN	18h. $C_L C_M$	18h. $wwVhN_h$	18h. DDFWN	01h. $C_L C_M$	01h. $wwVhN_h$	01h. DDFWN	07h. $C_L C_M$	07h. $wwVhN_h$	07h. DDFWN
333	1-	05663	20313	13	09561	20214	5-	05548	24228			
334										--	01673	00004
340	20	01764	18314	03	02790	32216	03	47390	00043	5-	05658	00028
136	10	01763	22324	20	02865	22116	04	05690	21285	00	08490	22228
336										52	05655	28328
350	10	05654	18826	57	05663	23226	07	05590	18225	57	05564	20325
368	80	01765	21325	53	05663	24215	07	08490	00014	57	05544	25328
379	8-	02756	20316	23	02752	20316	53	05665	26317	50	05663	24213
390	20	08464	23215	00	05690	24126	00	08490	18113	07	43390	25244
382	10	05664	18314	77	02864	22227	57	05674	24225	03	05690	25124
438										--	46009	24349
430	20	05663	18244	00	05690	18314	5-	05528	24228	5-	08418	24128
409	50	05655	22345	20	02753	22318	5-	41628	20248	52	61635	18268

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.

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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	bczocy	cy	cybczw
Croydon	bycy	cy	cybcmw
Greenwich			
Camden Square	o	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. Time

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	61	46	38	-	Tr	8·7	*	*
Croydon	64	41	39	-	Tr	8·9	*	*
Greenwich								
Westminster	64	46	42	-			56	79
Regents Park	64	46	41	-	-		*	*
Camden Square	64	46	38	-	-	*	*	65
Kensington	65	46	39	-	-		59	67
Hampstead	62	43	40	-	-		*	70

SECRET

Page 1

BRITISH SECTION

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

Tuesday 21st April 1942

No. 29370

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)	10.0	0	W'S	3	c	59	45	37	7	8	-	1	4-6	7-8	4000
	Croydon	09.9	0	WSW	2	c	61	45	39	7	2	-	1	7-8	7-8	3000
	S. Farnborough	10.0	-2	W	3	c	60	45	41	8	2	-	-	7-8	7-8	4000
	Boscombe Down	10.7	0	NW	3	zo	59	45	39	7	2	-	6	4-6	7-8	3000
	Thorney Island	11.1	+2	SSW	3	b	59	75	49	7	8	-	1	1	1	4000
	Lympne	11.6	+2	SSW	2	zo	55	75	47	6	2	-	-	9	9	3200
	Manston	09.8	0	S	3	zo	58	85	53	6	2	-	-	9	9	1800
2	Shoeburyness	10.0	*	WSW	2	bc	63	55	45	6	1	3	-	1	4-6	4000
	Felixstowe	09.2	+4	W'N	3	zo	58	55	43	6	-	7	-	0	9+	-
	Gorleston	09.1	+12	N'W	3	zo	52	85	48	5	5	-	-	10	10	800
	Mildenhall	09.0	+4	WNW	3	zo	59	55	43	6	2	3	-	2-3	9	2500
	Cranwell	09.6	+10	N'W	2	zo	52	75	45	5	5	-	-	10	10	2000
3	Birmingham	10.1	+6	NNW	2	c	53	65	42	6	8	-	-	9+	9+	1500
	Upper Heyford	09.5	+4	W'N	3	zo	57	55	43	6	8	6	-	9	9+	3000
4	Ross-on-Wye	10.3	+6	W'N	2	c	56	65	46	7	8	-	7	7-8	9+	3000
5	Hartland Point	11.2	+8	WSW	2	c	52	85	48	7	5	1	-	7-8	9+	1500
	Bristol	11.2	+2	W	•3	bc	59	65	47	7	1	3	8	1	4-6	3000
	Portland Bill	12.5	+6	SW	3	c	49	92	47	7	5	-	-	10	10	2500
	Plymouth	11.5	+2	SW	2	zo	53	85	49	6	7	-	-	10	10	1800
	The Lizard	11.4	+4	W'N	2	c	54	85	50	7	8	3	-	7-8	7-8	1500
	Scilly (St. Mary's)	11.9	+10	NNE	3	c	51	85	46	6	5	-	-	10	10	1800
	Guernsey															
6	Pembroke	12.2	+8	N'E	4	c	50	75	43	8	8	2	-	7-8	10	1500
7	Holyhead (Valley)	11.2	+10	NNW	3	c	49	75	41	8	5	3	-	4-6	7-8	1000
	Chester (Sealand)	10.1	+6	NW'N	4	c	56	45	36	6	5	1	-	2-3	10	2500
8	Manchester	10.3	+6	-	0	ido	46	92	46	4	5	-	-	10	10	900
10	Spurn Head	09.0	+6	N'W	4	roro	45	92	43	6	-	2	-	10	10	500
	Catterick	10.6	+4	NE	2	zo	49	65	38	5	5	2	-	2-3	10	1000
	Tynemouth	10.4	+10	N	3	o	48	75	41	6	5	-	-	10	10	1400
11	St. Abbs Head	10.0	+12	NW	1	o	46	85	40	6	8	1	-	10	10	2800
	Leuchars	09.4	-2	NW	1	c	52	55	34	7	8	-	-	9	9	3000
12	Renfrew (Abbots I.)	09.7	-2	NW	2	zo	55	55	40	7	7	3	-	4-6	4-6	2500
	Eskdalemuir	09.5	+6	-	0	c	49	65	39	6	5	-	-	10	10	1500
	Point of Ayre	10.7	+6	NW'N	4	c	50	85	43	8	5	1	-	9	10	1800
13A	Tiree	11.9	0	WSW	2	c	52	85	48	8	5	-	-	7-8	7-8	3500
13B	Stornoway	08.7	-6	W	4	c/pr	50	85	46	8	8	7	-	7-8	9+	2500
15	Dalwhinnie	09.6	0	NW	3	bc	53	35	26	8	1	-	-	2-3	2-3	4000
	Aberdeen	08.9	-4	NNW	2	bc	52	55	34	8	7	-	-	4-6	4-6	2800
	Wick	08.0	-6	WNW	3	bc	53	55	35	9	7	-	-	2-3	2-3	3500
16	Sumburgh	05.8	-6	WSW	3	b	49	75	40	9	7	-	-	Tr	Tr	4000
17	Blacksod Point	15.0	+4	NW'W	3	c	49	75	42	8	8	-	-	9+	9+	2500
18	Malin Head	12.3	+2	NW'N	3	c	51	75	44	8	8	6	-	4-6	7-8	4000
	Aldergrove	12.0	+2	NW'N	4	bc	52	55	35	9	1	-	5	2-3	4-6	3000
19	Birr Castle	13.3	+6	NNW	2	c	54	45	34	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.	15.7	+6	N	4	c	52	55	37	9	5	-	1	7-8	7-8	4000
	Roches Point	13.8	+6	N	4	c	52	55	37	9	5	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 20th 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)	10.3	+4	NNW	2	zo	59	55	41	6	8	-	4	4-6	9	2500	0	*
Croydon	10.1	+2	WNW	3	c	59	55	42	6	5	-	6	4-6	7-8	7300	0	*
S. Farnborough	10.6	+6	SW'W	1	c/pr	56	75	48	7	2	-	8	7-8	9+	3500	1	*
Boscombe Down	11.3	+6	W	3	c	55	75	47	7	5	-	-	9	9	2500	0	*
Thorney Island	11.4	+2	WSW	2	zo	53	75	47	6	-	6	1	0	4-6	-	0	*
Lympne	11.8	+6	WSW	2	bc	53	75	44	6	-	6	1	0	2-3	-	0	§ 4
Manston	09.9	+2	SW	3	zo	58	65	44	6	2	6	3	2-3	4-6	3000	0	*
Shoeburyness	10.4	+2	NW	3	bc	59	55	42	6	5	-	4	2-3	4-6	4000	0	*
Felixstowe	09.6	+2	NNE	2	zo	55	75	45	6	-	3	-	0	9+	-	0	2
Gorleston	10.9	+8	N'W	3	zo	47	85	44	6	5	-	-	9+	9+	1200	•	2
Mildenhall	10.9	+14	N'E	2	zo	49	85	46	6	5	-	-	9+	9+	2500	0	*
Cranwell	11.2	+4	NNE	2	c/r	46	92	44	6	5	-	-	10	10	4500	0	*
Birmingham	10.8	+4	NNE	3	zo	53	75	46	5	5	-	-	10	10	1500	0	*
Upper Heyford	10.2	+2	NW	1	zo	55	65	45	6	8	2	-	4-6	10	3000	0	*
Ross-on-Wye	11.0	+4	NW	2	c	53	75	44	7	5	1	-	9	10	3000	0	*
Hartland Point	12.3	+8	N	3	c	47	85	42	8	5	-	-	9	9	2400	0	3
Bristol	11.6	+4	WNW	3	zo	55	65	45	6	4	3	7	1	10	4000	0	*
Portland Bill	12.5	-4	SW	2	o	48	92	46	5	5	-	-	10	10	1500		3
Plymouth	11.8	0	WSW	1	zo	50	92	48	6	5	7	1	7-8	9+	4000	0	2
The Lizard	12.3	+4	N	4	c	50	85	46	7	8	2	-	7-8	10	1400	0	3
Scilly (St. Mary's)	13.2	+6	N'E	4	c	49	85	46	7	5	-	-	10	10	1500	0	3
Guernsey																	
Pembroke	13.1	+6	N'E	3	c	49	75	41	8	5	1	-	4-6	9+	2500	0	2
Holyhead (Valley)	11.9	+4	NW	3	bc	49	75	40	8	5	3	2	Tr	4-6	2000	0	3
Chester (Sealand)	11.7	+4	NW	3	c	49	75	46	6	5	-	8	2-3	9	3000	0	*
Manchester	11.2	+6	-	0	m	48	92	46	4	5	-	-	7-8	7-8	2000	1	*
Spurn Head	11.2	+8	N	3	ro	45	92	44	6	-	2	-	10	10	800	1	2
Catterick	11.4	+8	ENE	1	m	49	75	40	4	5	-	-	10	10	2500	1	*
Tynemouth	11.8	+6	NE	2	o	45	85	40	7	5	-	-	10	10	1400	1	2
St. Abbs Head	09.4	-4	SSW	2	c	50	75	41	6	5	-	-	7-8	7-8	2500	0	2
Leuchars	08.2	-2	S	3	zo	53	65	43	6	5	3	-	7-8	9	4000	0	*
Renfrew (Abbots I.)	10.3	+2	NW'W	2	bc	52	65	40	7	8	4	1	1	2-3	3000	0	*
Eskdalemuir	10.0	+2	SSW	2	c	50	75	41	6	5	-	-	9+	9+	1100	0	*
Point of Ayre	11.2	+2	NNW	4	b	49	75	42	8	-	4	-	0	1	-	0	3
Tiree	12.1	+4	NW	2	bc	50	85	46	8	8	3	4	2-3	2-3	3500	0	3
Stornoway	10.1	+12	WSW	5	bc	51	75	45	8	2	6	-	2-3	4-6	2500	0	2
Dalwhinnie	11.0	+8	NW	3	c	48	55	35	8	8	4	2	4-6	9+	2500	0	-
Aberdeen	09.4	+4	SW'S	3	zo	48	75	40	6	5	-	-	9	9	2800	1	2
Wick	08.7	+10	W'N	4	bc	49	65	39	9	8	6	2	4-6	4-6	3500	0	*
Sumburgh	05.4	-2	W	5	bc	47	75	41	8	7	-	1	2-3	4-6	2000	0	3
Blacksod Point	15.3	+2	NNW	2	c	52	97	51	9	8	-	-	9+	9+	2500	0	2
Malin Head	12.9	+2	WNW	3	c	50	85	46	8	5	-	-	9	9	1500	0	2
Aldergrove	12.7	+6	N'W	3	c	52	65	41	9	7	-	-	9+	9+	2500	0	*
Birr Castle	13.3	0	N	1	c	52	65	41	8	5	1	-	7-8	10	1500	1	*
Valentia Obsy.	16.0	+2	N'W	4	c	52	75	45	9	7	-	2	4-6	7-8	4000	1	3
Roches Point	14.1	-2	N	4	c	54	55	39	9	5	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 20th (39)	13h.—18h. 20th (40)	18h. 20th to 1h. 21st (41)	1h.—7h. 21st (42)
London (Kew)	bczobcy	bccyzo	cyczo	cmo
Croydon	bcmocy	bcyczo	czoyromo	bmowcm
S. Farnborough	bcm.wbcy	bccypropr	cprobccm	cmowof
Boscombe Down	bcmo	bczo	czomo	bcmooff
Thorney Island	obccmobc	bcbbc	cmo	omo
Lympne	ofcmozo	cbczob	bzobm	bmomff
Manston	bmobcbzo	probczoy	bczozcm	comcmo
Shoeburyness	bcmozoy	bczoy	iczoyc	cmoc
Felixstowe	cmcmoy	cmoyprocm	irocmo	cmo
Gorleston	bcczo	cmo	cmo	cmo
Mildenhall	cmoczoy	czo	cmo	cmocido
Cranwell	cmmo	crorocmo	cmcf	cffcmo
Birmingham	bcc	cz	czc	com
Upper Heyford	bczoczo	czoyczo	cprozomom	omcm
Ross-on-Wye	bczocc	cpoc	c	como
Hartland Point	c	c	cb	bbcc
Bristol	cmozobc	cyczo	czomow	cfmw
Portland Bill	c	co	off	off
Plymouth	cmo	cmoiro	cmoc	cw
The Lizard	c	c	cbcw	c
Scilly (St. Mary's)	c	c	cbcc	c
Guernsey				
Pembroke	c	c	bc	bcc
Holyhead (Valley)	cmoc	cbccbc	bcb	bbcc
Chester (Sealand)	cmozoy	czo	bccmo	cmo
Manchester	cfmido	cmido	cm	cm
Spurn Head	omoro	omoiro	oiro	cm
Catterick	ododcm	cmocm	cmbcm	cf
Tynemouth	omoo	o	obcbmo	bcmo
St. Abbs Head	omo	cmo	cmobcmo	bcmocmo
Leuchars	cmoc	cbcyb,czo	cmobmoc	cmoc
Renfrew (Abbots I.)	befcm,mo		bcmo	bcmobc
Eskdalemuir	cmo		czo	cbcb*
Point of Ayre	cmoz	cbcb	bbcc	cbcw
Tiree	bcc	cbc	bc	bc
Stornoway	cpr	cbc	bcpro	cpro
Dalwhinnie	obcy	bccy		cbcc
Aberdeen	cdobcy	bcyzo	cbc*	bcw
Wick	bcy	cprobc	bbc	bcc
Sumburgh	bcprob	bccbc	bbcby	bcproc
Blacksod Point	d	c	c	c
Malin Head	bc	pr	c	pr
Aldergrove	bbcy	c	ciroc	bccw
Birr Castle	c	c	*	c
Valentia Obsy.	pr	c	c	c
Roches Point	bc	bc	pr	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light northerly to variable breeze, mainly cloudy; hazy; average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light westerly winds; fair; some bright periods; local patches of early morning fog; average temperature.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate to fresh westerly winds, veering later; some light showers or occasional local light rain chiefly near the coast; average temperature.
16 Orkneys and Shetlands	As 13A – 15.
17 N. W. Ireland; 18 N. E. Ireland	As 7 – 12.
19 S. E. Ireland; 20 S. W. Ireland	As 1 – 6.

GENERAL INFERENCE

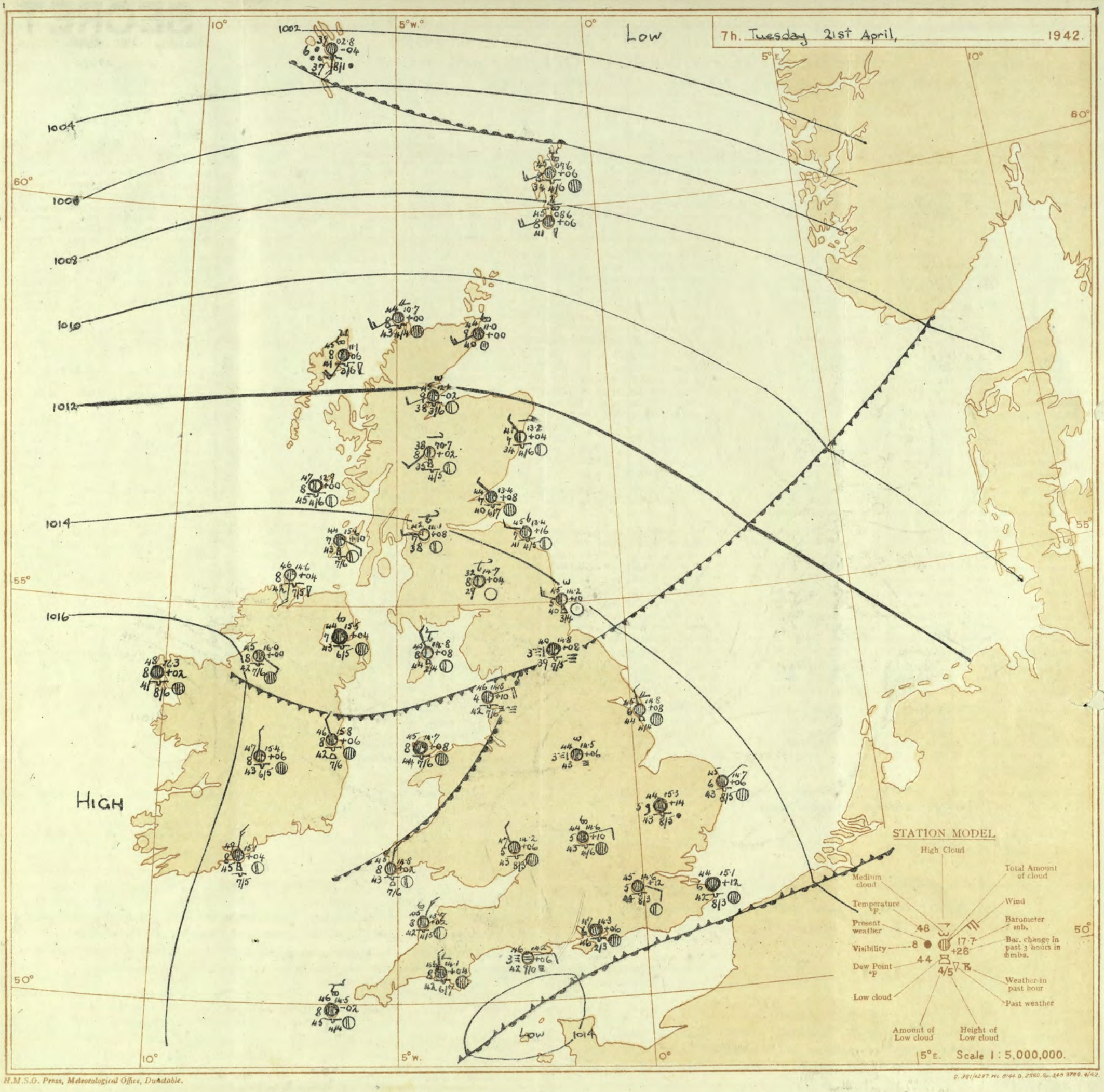
A feeble ridge of relatively high pressure is practically stationary over the British Isles and a depression south of Iceland will move eastwards. Weather will continue mainly dry but often cloudy especially in the southern half of the country.

FURTHER OUTLOOK

Uncertain; probably becoming less settled.

Forecasts issued at 10.30 G.M.T.

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



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

D. 381/4287. Wt. 8164. D. 2560. Gp. 248 9780. 4/42.

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

Explanation of Frontal Lines shown on Charts

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

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

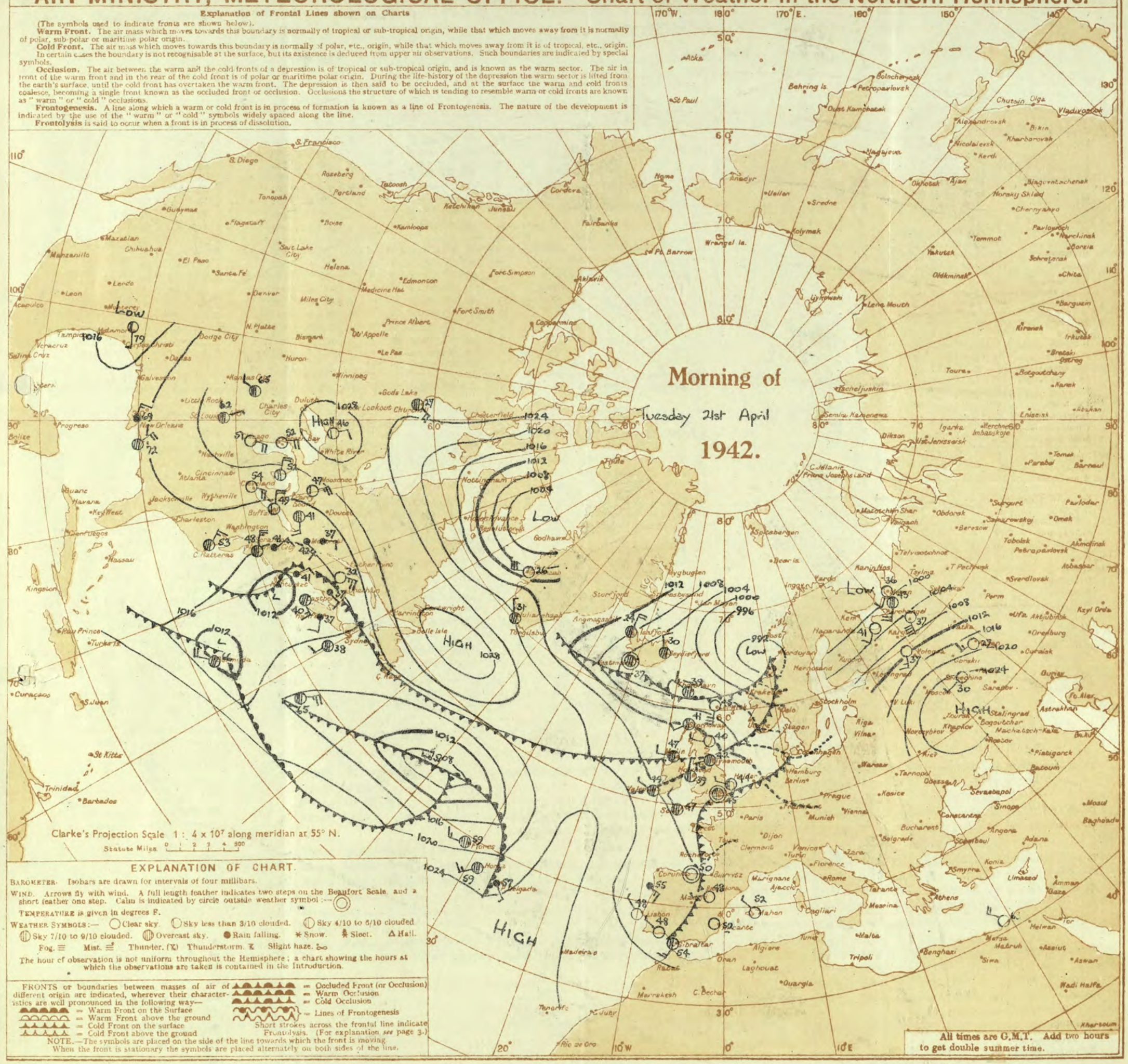
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



BRITISH SECTION

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

Tuesday 21st April 1942

No. 29370

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	290	13.0	+4	NE	1	zo	49	92	46	5	5	-	-	10	10	5000
	S. Farnborough	226	12.8	+2	-	0	zo	45	92	43	5	-	1	8	0	7-8	-
	Boscombe Down	417	13.4	+4	-	0	zo	44	97	43	5	-	-	-	0	4-6	-
	Thorney Island	10	13.3	+2	-	0	zo	47	97	47	6	5	-	-	10	10	400
	Lympne	283	13.9	+6	NNW	1	m	44	97	43	4	-	-	-	0	0	-
	Manston	154	13.5	+10	NE'N	2	m	44	92	42	4	5	-	-	10	10	400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13.8	+6	NNE	1	zo	43	92	41	5	-	7	-	0	3	-
	Gorleston	5	13.7	+6	WNW	1	zo	44	92	43	5	5	-	-	10	10	1500
	Mildenhall	15	13.9	+6	-	0	zo	44	92	41	6	-	7	-	0	10	-
	Cranwell	203	14.6	+16	-	0	of	43	97	43	3	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13.4	+6	NE'E	2	m	46	92	44	4	5	-	-	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13.8	+4	N	3	b	46	75	39	8	-	-	-	0	0	-
	Bristol	209	13.8	+2	-	0	zo	47	85	43	5	5	1	7	4-6	10	2500
	Portland Bill	32	13.2	+2	SW	2	f	46	92	42	3	-	-	-	10	10	<150
	Plymouth	82	13.9	+6	NNE	1	c	46	85	41	7	5	-	-	7-8	7-8	4700
	The Lizard	240	14.2	+2	N'W	2	bc	43	92	41	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	14.8	+2	NW'N	2	c	47	85	44	7	8	-	-	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	14.2	+4	NW'N	4	bc	46	75	39	8	7	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	14.0	+4	N	1	bc	39	92	37	7	3	-	-	2-3	2-3	4000
	Chester (Sealand)	16	13.8	+4	-	0	c	42	92	40	6	5	1	-	2-3	10	4500
8	Manchester	235	13.7	+6	-	0	m	46	92	44	4	5	-	-	10	10	2400
10	Spurn Head	29															
	Catterick	175	14.0	+8	-	0	m	41	92	39	4	5	-	-	4-6	4-6	1800
	Tynemouth	108	12.6	+4	WSW	3	zo	42	85	38	5	-	-	-	0	0	-
11	St. Abbs Head	280	11.7	+16	W	4	zo	47	75	40	6	5	-	-	4-6	4-6	1500
	Leuchars	36	12.1	+10	-	0	zo	43	92	41	6	5	-	-	7-8	7-8	3000
12	Renfrew (Abbots I.)	19	13.0	+6	WSW	2	zo	41	85	37	6	5	-	1	2-3	2-3	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13.7	+6	NW	2	e	46	97	45	8	9	4	-	7-8	9	3800
13A	Tiree	22	14.3	0	-	0	b	42	92	40	8	-	-	-	0	0	-
13B	Stornoway	80	12.2	+8	SW	2	bc/pr	41	97	41	8	5	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12.5	+10	W'N	1	b	40	85	36	8	5	-	-	Tr	Tr	3000
	Wick	114	10.8	+6	WSW	4	bc	43	85	37	7	5	4	1	1	4-6	3000
16	Sumburgh	19	07.9	+12	S	6	b	45	65	34	8	5	-	-	1	1	2000
17	Blacksod Point	18	15.4	0	WNW	1	o	49	85	45	7	5	-	-	10	10	1500
18	Malin Head	84	14.6	+2	W	2	c/pr	47	85	43	8	-	2	-	9	9	2500
	Aldergrove	268	14.9	+4	NW'N	1	cp	46	65	43	8	5	-	-	7-8	7-8	4700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.9	+2	NW'N	1	e	49	85	45	9	5	-	-	9+	9+	4000
	Roches Point	22	15.7	+2	N	4	c	49	85	45	8	8	-	-	9	9	2500

OBSERVATIONS at 7 hr. G.M.T. 21st 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)	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)	14.6	+10	SSW	1	zo	48	85	45	5	5	-	-	10	10	2500	0	*	61	47	42	-	-	6.2
Croydon	14.6	+12	SE	2	zo	45	97	44	5	5	-	-	10	10	600	0	*	62	43	42	-	Tr	7.2
S. Farnborough	14.4	+10	-	0	o	45	97	44	5	5	-	-	10	10	300	1	*	63	41	32	1	Tr	6.4
Boscombe Down	14.3	+6	SE	1	F	43	97	43	1	-	-	-	10	10	<150	0	*	61	39	35	Tr	Tr	7.9
Thorney Island	14.3	+6	-	0	zo	47	97	46	6	5	-	-	10	10	700	0	*	59	45	*	-	-	*
Lympne	16.2	+18	NNE	1	f=	43	97	43	3	-	-	-	10	10	<150	0	§1	59	41	34	-	-	7.7
Manston	15.1	+12	-	0	zo	44	92	42	6	5	-	-	10	10	600	0	*	61	42	40	Tr	-	3.2
Shoeburyness	15.4	+12	E	1	c	45	85	42	5	5	-	-	10	10	900	0	*	65	44	39	-	-	6.4
Felixstowe	15.2	+10	-	0	zo	44	92	41	6	5	-	-	10	10	1500	0	1	63	41	36	Tr	Tr	1.2
Gorleston	14.7	+6	NE'E	1	c	45	92	43	6	5	-	-	10	10	2100	0		54	43	42	-	-	3.5
Mildenhall	15.3	+14	-	0	ido	44	97	43	5	5	-	-	10	10	2500	1	*	61	43	37	-	Tr	0.4
Cranwell	15.1	+10	SE	1	zo	44	92	43	5	5	-	-	10	10	4500	0	*	53	43	39	Tr	-	0.0
Birmingham	14.3	+8	NNE	2	m	45	85	41	4	5	-	-	10	10	1500	0	*	56	45	43	-	-	0.3
Upper Heyford	14.6	+10	ENE	2	zo	44	92	43	5	5	7	-	4-6	10	4500	0	*	58	44	42	-	-	*
Ross-on-Wye	14.2	+6	NNW	2	zo	47	85	43	5	5	-	-	10	10	800	0	*	58	46	38	-	-	3.3
Hartland Point	13.7	+2	NNE	3	c	45	85	42	8	5	7	-	4-6	9	2500	0	3	54	44	42	-	-	1.1
Bristol	14.6	+10	E	1	m	48	92	45	4	5	-	-	10	10	1000	0	*	60	46	40	-	-	5.9
Portland Bill	14.2	+6	E	2	f	46	85	40	3	-	-	-	10	10	<150	1	2	49	43	*	-	-	*
Plymouth	14.1	+4	N	1	c	46	85	42	8	5	1	-	9	10	5000	0	2	53	45	43	Tr	-	0.4
The Lizard	14.4	+2	NNW	1	c	45	92	44	7	8	2	-	7-8	10	1500	0	3	55	41	*	-	-	5.8
Scilly (St. Mary's)	14.5	-2	-	0	c	46	97	44	8	5	7	8	4-6	9	1500	0	2	54	45	*	-	-	0.7
Guernsey																							
Pembroke	14.8	+2	N'E	3	c	45	92	43	8	7	-	-	9+	9+	3000	0	2	52	36	*	-	-	0.0
Holyhead (Valley)	14.7	+8	-	0	c	45	97	45	8	5	-	-	9+	9+	4000	1	1	53	37	28	-	-	*
Chester (Sealand)	14.8	+20	WNW	1	c	46	85	43	6	5	-	-	10	10	4000	1	*	57	40	38	-	-	0.0
Manchester	14.0	+2	-	0	m	45	92	43	4	5	-	-	10	10	2500	0	*	48	44	41	0.1	-	*
Spurn Head	14.8	+8	N'W	2	c	45	97	44	6	1	2	-	4-6	10	1500	0	2	47	43	*	2	Tr	0.0
Catterick	14.8	+8	-	0	cf-	40	97	39	3	5	-	-	9+	9+	2500	1	*	51	36	28	0.1	-	0.0
Tynemouth	14.2	+10	WNW	3	zo	45	85	40	5	2	3	-	2-3	4-6	1500	1	2	48	41	39	0.2	-	*
St. Abbs Head	13.4	+16	WNW	2	c	45	85	40	7	5	4	-	4-6	9+	2500	0		50	43	*	-	-	
Leuchars	13.4	+8	NW	1	c	44	85	40	7	5	-	-	9	9	5000	0	*	57	41	32	-	-	3.6
Renfrew (Abbots I.)	14.1	+8	W	1	b	42	85	37	7	-	4	1	0	1	-	0	*	58	38	29	-	-	5.4
Eskdalemuir	14.7	+4	-	0	b	32	85	29	8	-	4	1	0	2-3	-	0	*	51	28	21	-	-	0.0
Point of Ayre	14.8	+8	NNW	2	bc	45	97	44	8	1	4	5	1	2-3	1800	0	2	51	43	*	*	-	2.7
Tiree	12.9	0	-	0	bc	47	92	45	8	5	-	-	4-6	4-6	3500	0	2	53	41	*	Tr	-	9.1
Stornoway	11.1	-6	SSW	4	c	45	85	42	8	5	7	7	2-3	10	3500	1	2	55	40	*	0.2	Tr	7.1
Dalwhinnie	14.8	+2	SW	2	bc	38	85	35	8	8	-	1	4-6	4-6	2500	1	*	50	26	18	-	-	5.4
Aberdeen †	13.2	+4	NW	1	bc	41	75	35	7	5	-	1	4-6	4-6	3200	1	2	57	37	32	Tr	-	3.9
Wick	11.0	0	SW'W	3	c	44	85	39	9	-	7	-	0	9	-	0	*	56	39	35	Tr	-	*
Sumburgh	08.6	+6	WSW	4	c	45	85	41	8	-	7	6	0	9+	-	0		50	43	38	-	Tr	8.5
Blacksod Point	16.3	+2	-	0	o	48	75	41	8	5	-	-	10	10	4000	0	1	54	45	*	Tr	-	*
Malin Head	14.6	+4	S	3	c	46	85	42	8	5	-	-	9+	9+	2500	0	1	52	43		Tr	Tr	0.0
Aldergrove	15.5	+4	-	0	c	44	92	43	7	5	7	-	9	9+	3000	0	*	55	41	33	-	Tr	8.9
Birr Castle	15.4	+6	N	1	c	47	85	43	8	5	-	-	9	9	2500	1	*	55	44	41	-	-	
Valentia Obsy.	15.9	+2	NE	1	c	49	85	45	8	5	-	-	9+	9+	4000	0	1	55	47	44	Tr	Tr	
Roches Point	15.1	+4	N	3	c	49	85	45	8	8	-	-	9+	9+	2500	0	3	55	48	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 20th April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 21st April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 7-	02965	23425	20	01854	24524	8-	01851	22403	87	81854	21416
115 52	62834	24467	87	02944	24466	87	02844	24426	52	02844	20326
203			84	02844	24325	5-	02945	16305			
206 5-	02967	26217	8-	25966	24286	5-	01864	26114	53	02963	20216
210 70	00962	26312	8-	02855	25326	50	00751	22101	53	02861	21327
220			50	01854	26304						
230 7-	01964	24314	8-	02856	24326	50	00851	20101	53	01852	10114
245 5-	02866	28226	53	02765	14217	50	05662	24102	50	02966	24226
260 5-	05658	18128	53	05503	18213	50	01765	18215	53	01864	24214
278 70	01875	29525	77	01853	28514	54	00853	28413	50	01741	25314
279 5-	05658	31228	5-	05657	20128	00	05590	00000	03	05690	25123
285											
288 5-	05568	02128	6-	05554	00028	00	47390	00040	5-	43267	26247
575			7-	0285-	283-8	5-	02855	30126	5-	02867	12127
301 51	05634	28328	5-	05528	27228	5-	05668	26128	5-	41467	06447
321 51	05645	01368	02	62648	04168	5-	08458	12168	5-	05548	16128
299 5-	21638	30358	3-	62648	32368	00	00790	00000	53	08444	18244
292 02	62548	02168	52	05656	14168	5-	08478	00028	5-	13368	16148
310 ->	57109	24349							--	03628	26318
614 5-	98478	26228				5-	08458	00028	03	43390	00047

IIIC_L C_M (13h. G.M.T. 20th April)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 21st April)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 51	02845	30428	57	02841	28316	00	00890	30200	5-	02876	28316
334 --	05555	24216							--	05545	28116
340 51	05671	28228	51	05673	29228	00	08490	00020	5-	05668	00028
136 02	05628	32368	52	62627	32368	5-	05668	26168	5-	05568	04128
336 57	02754	24328	57	02754	26428						
350 96	10666	22327	52	05654	32228	5-	08458	07158	5-	05668	06128
368 24	01753	26314	02	05668	24108	07	08490	00024	53	05666	00028
379 20	05654	26314	07	05690	26318	5-	05538	28228	52	05545	04248
390 20	05664	24214	53	08473	26227	5-	45368	10148	5-	61538	11168
382 87	10655	25327	87	81654	26228	07	05690	00024	5-	05648	06128
438 8-	01534	24444							50	43438	22328
430 20	01763	20314	07	01690	20313	5-	08418	24228	5-	08428	26158
409 5-	02736	27228	52	61736	01468	50	05643	32263	50	02841	01225

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 21st 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	bez₀bcy	bceyz₀	cyez₀cm₀
Croydon	bcm₀cy	bcyez₀	ez₀ywcm₀
Greenwich	cz₀y	cy	cwom₀
Camden Square	o	bc	*
Kensington	bco	oz	*
Hampstead	bc	c	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.1, Time: rest of period. Min. <0.1, Time: 10–14h 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	61	47	42	-	-	6.2	*	*
Croydon	62	43	42	-	Tr	7.2	*	*
Greenwich	63	45	44	-	-	5.5	44	57
Westminster	62	46	41	-	-		46	56
Regents Park	63	46	45	-	-		51	89
Camden Square	64	46	34	-	-	*	*	89
Kensington	63	47	46	-	-		57	91
Hampstead	62	43	42	-	-		*	

BRITISH SECTION

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

SECRET

Wednesday 22nd April 1942

No. 29371

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)	15·4	+4	E'S	2	zo	50	85	45	6	S	–	–	10	10	1500
	Croydon ...	15·3	+2	SSE	1	zo	50	78	43	6	S	–	–	10	10	2000
	S. Farnborough	15·1	–2	SE'S	1	zo	53	75	45	6	7	–	–	9+	9+	1600
	Boscombe Down	15·5	+2	SE	2	zo	49	85	45	5	5	–	–	10	10	700
	Thorney Island	15·2	+4	SE	2	0	51	85	46	7	5	–	–	10	10	2200
	Lympne ...	16·9	0	ESE	1	zo	46	85	42	6	5	–	–	10	10	700
	Manston ...	16·3	+2	SE	1	zo	45	75	45	6	5	–	–	9+	9+	1500
2	Shoeburyness ...	16·5	+2	E'S	2	c	50	85	44	6	5	–	–	7-8	7-8	3500
	Felixstowe ...	16·5	+2	E'S	2	zo	48	85	44	6	5	–	–	7-8	10	900
	Gorleston ...	16·7	+4	SE	1	zo	47	85	43	6	5	3	–	4-6	9	2100
	Mildenhall ...	15·9	–2	SE	2	zo	53	65	41	6	5	2	–	4-6	10	4000
	Cranwell ...	15·4	+2	SSE	3	c	55	65	43	7	7	3	–	4-6	7-8	3500
3	Birmingham ...	15·0	0	SE	2	zo	52	75	45	5	5	–	–	10	10	800
	Upper Heyford	15·2	+2	ESE	3	ido	48	85	44	4	5	–	–	10	10	900
4	Ross-on-Wye	14·5	0	ENE	2	zo	57	65	44	6	1	3	–	2-3	2-3	3500
5	Hartland Point	14·0	0	N	2	bc	49	75	42	7	1	–	–	2-3	2-3	2500
	Bristol ..	15·0	0	ESE	2	zo	52	85	48	5	5	2	–	9	10	1200
	Portland Bill ...	14·6	+2	E	2	0	47	92	45	6	5	–	–	10	10	2500
	Plymouth ...	14·5	+2	SW	3	c	51	75	44	8	1	3	–	2-3	9	3500
	The Lizard ...	14·7	0	W'N	3	bc	54	85	39	8	8	6	–	4-6	4-6	2000
	Scilly (St. Mary's)	15·2	+2	WNW	2	bc	53	75	46	8	8	–	–	4-6	4-6	1800
	Guernsey ...															
6	Pembroke ...	14·9	0	N'E	4	c	53	65	42	7	5	1	–	9+	10	2500
7	Holyhead (Valley)	15·0	–2	NW	1	c	54	55	39	8	8	3	–	4-6	7-8	3000
	Chester (Sealand)	15·4	+4	WNW	3	c	53	75	45	8	8	–	–	9+	9+	4000
8	Manchester ...	14·9	–2	SW	1	m	53	75	46	4	5	–	–	9	10	1800
10	Spurn Head ...	16·0	+2	SSE	4	bc	50	85	45	6	7	–	–	4-6	4-6	1500
	Catterick ...	14·4	–4	SSE	2	zo	57	55	42	6	8	–	–	4-6	4-6	3500
	Tynemouth ...	15·1	–2	E	2	bc	50	75	42	7	–	2	–	0	4-6	–
11	St. Abbs Head	13·3	+4	E	1	bc	50	85	45	7	1	–	–	2-3	2-3	2500
	Leuchars ...	13·1	–6	SW	1	zo	57	45	37	6	1	–	–	2-3	2-3	3500
12	Renfrew (Abbots I.)	14·1	0	WNW	3	c	55	55	37	8	4	–	–	7-8	7-8	4500
	Eskdalemuir ...	10·2	+2	W'S	1	bc	54	45	34	8	7	–	1	4-6	4-6	3500
	Point of Ayre...	15·3	0	NW'W	3	bc	55	75	46	8	1	4	5	1	2-3	2000
13A	Tiree	14·3	0	WSW	2	c	52	75	43	8	5	1	–	9	9	3500
13B	Stornoway ...	10·8	+2	SW	6	c	53	75	45	8	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	12·8	–2	SW	3	bc	54	45	34	8	–	–	2	2-3	4-6	4000
	Aberdeen ...	12·5	–6	S'E	4	b	54	55	37	7	7	–	6	Tr	1	3200
	Wick ...	10·6	–6	WSW	4	c	57	45	37	9	1	4	8	4-6	7-8	3500
16	Sumburgh ...	07·8	–6	WSW	5	c	48	85	42	8	5	–	–	9+	9+	2500
17	Blacksod Point	15·8	–2	W	3	c	54	65	43	9	5	–	–	9	9	2500
18	Malin Head ...	14·9	0	W'S	3	c	50	75	43	8	5	2	–	4-6	10	2500
	Aldergrove ...	15·5	–2	NW'W	1	c	53	55	37	9	7	–	–	7-8	7-8	3500
19	Birr Castle ...	15·3	–2	N	1	c	55	55	40	8	5	–	–	7-8	7-8	2500
20	Valentia Obsy.	15·5	–2	W'S	3	c	53	75	45	9	8	–	–	9+	9+	4000
	Roches Point	15·7	0	ESE	3	c	51	85	47	9	8	1	–	7-8	9+	1500

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)	14·8	–4	S'E	2	zo	53	75	45	6	8	–	–	7-8	7-8	1500	0	*
	Croydon ...	15·0	–4	SSE	2	b	52	75	45	6	4	–	–	1	1	2500	0	*
	S. Farnborough	14·7	–2	S	2	c	51	75	45	7	5	–	–	9+	9+	3000	1	*
	Boscombe Down	15·2	+2	S	2	zo	50	85	45	6	5	–	–	4-6	4-6	1000	0	*
	Thorney Island	15·1	–2	SSE	2	zo	50	85	47	6	5	–	–	10	10	2900	0	*
	Lympne ...	16·5	–2	ESE	1	c	45	85	42	6	5	–	–	7-8	7-8	1200	0	§
	Manston ...	16·0	+2	E	1	zo	45	85	40	6	5	–	–	9+	9+	800	0	*
2	Shoeburyness ...	16·1	–2	E'S	2	c	47	85	43	6	5	–	–	7-8	7-8	2900	0	*
	Felixstowe ...	16·3	+2	SE	1	c	46	85	42	7	5	–	2	9+	9+	800	0	1
	Gorleston ...	16·8	0	S'E	2	bc	45	92	43	8	5	3	–	2-3	4-6	1400	0	* 2
	Mildenhall ...	15·5	–2	S'E	2	zo	53	65	40	6	5	1	–	2-3	7-8	4000	0	*
	Cranwell ...	14·1	–2	SE	3	zo	53	65	43	6	5	3	–	7-8	9+	4000	0	*
3	Birmingham ...	14·6	–4	SSE	2	zo	53	75	45	6	5	–	–	9	9	2500	0	*
	Upper Heyford	14·6	–2	–	0	of	49	85	46	3	5	–	–	10	10	900	0	*
4	Ross-on-Wye	14·1	0	SW	2	zo	52	85	46	5	5	–	–	9+	9+	3000	0	*
5	Hartland Point	13·9	0	WSW	3	c	48	85	43	7	5	–	–	9+	9+	1500	0	2
	Bristol ..	14·6	–6	SE'E	1	m	49	97	47	4	5	2	–	9+	10	800	0	*
	Portland Bill ...	14·4	–2	S	2	0	47	92	45	6	5	–	–	10	10	1500	1	2
	Plymouth ...	14·2	–4	SSW	2	b	51	85	47	8	1	3	–	(Tr)	(1)	3000	0	2
	The Lizard ...	14·5	0	WN	3	c	49	92	46	8	8	2	–	7-8	7-8	2000	0	3
	Scilly (St. Mary's)	14·9	–2	NW'W	2	bc	53	75	47	8	2	4	9	1	4-6	1800	0	2
	Guernsey ...																	
6	Pembroke ...	14·3	–2	NNE	4	o	52	65	40	8	5	–	–	7-8	7-8	3000	0	2
7	Holyhead (Valley)	14·6	–2	NW	3	b	54	55	36	8	–	4	1	0	Tr	–	1	3
	Chester (Sealand)	14·6	–2	WNW	3	b	51	65	39	8	–	–	–	0	0	–	0	*
8	Manchester ...	14·3	–4	W	1	zo	52	75	43	6	–	3	–	0	2-3	–	0	*
10	Spurn Head ...	15·1	–2	SE'S	4	bc	48	85	44	7	7	–	–	4-6	4-6	4000	0	3
	Catterick ...	13·8	+2	WSW	3	zo	56	55	39	6	2	–	–	9+	9+	2500	0	*
	Tynemouth ...	14·5	+2	SSE	3	bc	47	85	43	6	2	3	–	4-6	4-6	2400	0	2
11	St. Abbs Head	12·8	–2	SE	3	bc	46	55	34	7	5	–	–	2-3	2-3	4000	0	3
	Leuchars ...	11·7	–4	SW	3	bc	59	45	39	8	4	4	2	Tr	4-6	4000	0	*
12	Renfrew (Abbots I.)	13·6	–2	WNW	3	c	53	55	38	8	4	–	–	9	9	4000	0	*
	Eskdalemuir ...	13·4	+2	SSW	3	bc	52	65	38	8	7	–	–	2-3	2-3	3700	0	*
	Point of Ayre...	15·0	–4	WNW	3	b	51	75	45	8	–	–	9	0	Tr	–	0	2
13A	Tiree	12·7	–4	WSW	3	c	51	85	46	8	5	3	–	2-3	7-8	3500	0	4
13B	Stornoway ...	09·7	–4	SSW	5	pr	50	92	48	8	5	7	–	7-8	9+	2500	1	3
15	Dalwhinnie ...	13·4	0	W	3	bc	49	55	35	8	1	–	8	1	2-3	4000	0	*
	Aberdeen ...	11·2	–6	SSW	3	zo	50	65	40	6	4	–	9	Tr	4-6	3200	1	2
	Wick ...	10·3	–2	WSW	5	c	52	65	41	9	5	7	8	2-3	9	3500	0	*
16	Sumburgh ...	06·6	+6	WSW	6	c	47	85	43	8	5	7	–	9	10	2500	0	5
17	Blacksod Point	15·1	–6	W	3	c	51	75	44	9	8	3	5	2-3	7-8	2500	0	2
18	Malin Head ...	14·4	–4	SW'W	3	c	50	75	43	8	5	2	–	7-8	9+	2500	0	2
	Aldergrove ...	14·7	–2	W	2	c	55	45	36	8	5	3	–	4-6	9	3200	0	*
19	Birr Castle ...	14·4	–6	NNW	1	c	55	55	40	8	5	–	–	9	9	2500	1	*
20	Valentia Obsy.	15·2	–2	S'E	1	ir	51	85	47	8	5	–	–	10	10	4000	1	1
	Roches Point	15·2	–2	SE	1	c	50	92	48	8	8	7	–	7-8	9+	1500	0	1

PAST 24 HOURS.

District	Stations.	Weather. 7h.–13h. 21st (39)	12h.–18h. 21st (40)	18h.–21st to 1h. 22nd (41)	1h.–7h. 22nd (42)
1	London (Kew)	cocmo	czo	czmo	cmo
	Croydon ...	omid.	czobczo	bzocm	cmcmo
	S. Farnborough	ofedomocz	czoc	bccmo	omwcmo
	Boscombe Down	om	omcmo	bcmo, om	ododomo
	Thorney Island	omoirc	ccmopmo	cmoomo	omocmo
	Lympne ...	ofmm	ocmo	bcmoom	omcmo
	Manston ...	cmozo	cbczomocomomcmo	cmommo	
2	Shoeburyness ...	cmo	cmo	cmo	cmo
	Felixstowe ...	cmirocmo	cmoc	bmocmo	cmo
	Gorleston ...	czo	czobc	bcmooff	offemo
	Mildenhall ...	cidocmo	cmo	bbcmo	bcmocmoom
	Cranwell ...	czobc	bczoczo	cbzocmo	cmmow
3	Birmingham ...	oz	ozo	c	com
	Upper Heyford	cmo	cidomcf	ofcfm	cmofm
4	Ross-on-Wye	ozcz	bczcz	cz	coz
5	Hartland Point	cbc	bcczo	c	cbcc
	Bristol ..	cmomo	crorm	cmbcbf	bfofcmo
	Portland Bill ...	offo	omo	bcbc	bcc
	Plymouth ...	bccmo	cbcmob	bbc	cmow
	The Lizard ...	cbc	bcc	cbccw	c
	Scilly (St. Mary's)	cbc	bc	bcw	bcc
	Guernsey ...				
6	Pembroke ...	c	bcc	c	c
7	Holyhead (Valley)	c,y	cbcby	bybw	bwxmob
	Chester (Sealand)	moc	cbcby	cbcmow	cmmow
8	Manchester ...	cm	c,bzo	bzomo	cmomw
10	Spurn Head ...	bcmo	bc	bc	omo
	Catterick ...	cbcymo	cfycmoy	bzow	cwbcmo
	Tynemouth ...	bc	bc	bcmo	Bcmo
11	St. Abbs Head	cmomobc	bcm	bcmbmo	bbc
	Leuchars ...	cbcbzoy	bybcy	b	bbcbcw
12	Renfrew (Abbots I.)	bcy	cbccy	c	ccmo
	Eskdalemuir ...	bbcy	cbcb	b	bbcxc
	Point of Ayre...	bcbbc	bcb	bbcc	c
13A	Tiree	bcc	c	c	cido
13B	Stornoway ...	c	cpro	cpr	c
15	Dalwhinnie ...	cbcy	bcy		bco
	Aberdeen ...	bcwby	bybc	bbcw	bcb
	Wick ...	cbcy	bccyvc	c	dododoc
16	Sumburgh ...	cpr.c	c	cro	crorc
17	Blacksod Point	c	bc	c	c
18	Malin Head ...	c	c	c	c
	Aldergrove ...	cy	cbccy	cmo	cmocuc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	c	r	r	pr
	Roches Point	pr	bc	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 22nd April, 1942.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable wind; fair or fine apart from fog in places towards dawn; average temperature.
5 S.W. England	Light southerly wind, mainly fair or fine but slight rain in extreme southwest tomorrow; some coastal fog later and local fog inland towards dawn; average temperature.
6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	As 1–4.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light W. wind, fair, but cloud increasing later; fog in places towards dawn. Average temperature.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Wind light W. at first, becoming light N.E. later, cloudy, occasional rain, becoming rather cold.
16 Orkneys and Shetlands	Light or moderate N.E. wind, cloudy, occasional showers rather cold.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland	As 1–4.
20 S.W. Ireland	As 5

GENERAL INFERENCE

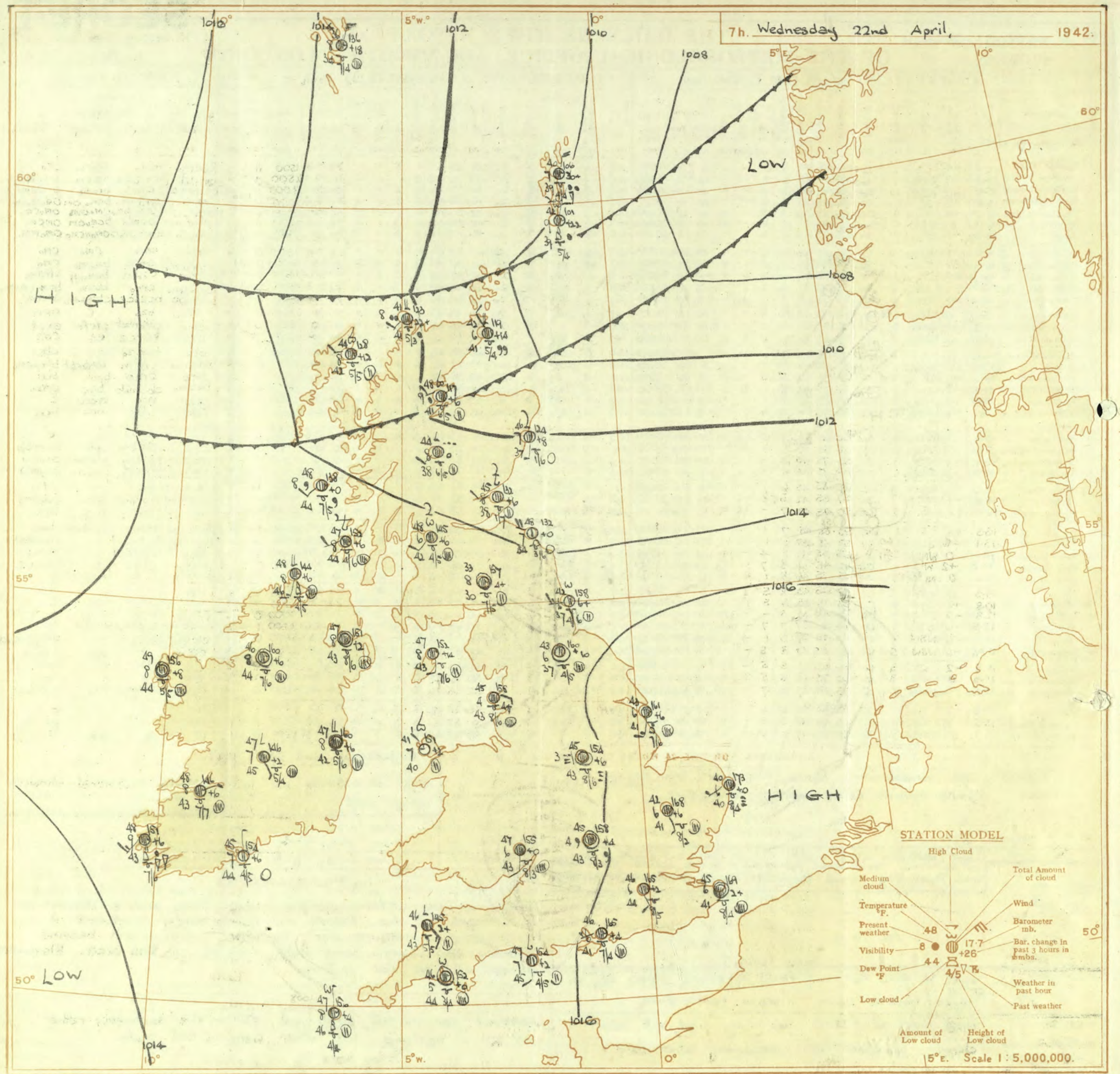
Pressure is very uniform over the British Isles and a depression to northeast of the Azores will move slowly northeast. A trough of low pressure over Northern Scotland will become stationary and cause some light rainfall in this area. Elsewhere weather will be fair or fine.

FURTHER OUTLOOK

Occasional rain in the Southwest, fair in the Southeast; rather cold in N. Scotland but rather warm in the South.

Forecasts issued at 10.30 G.M.T.

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



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

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).

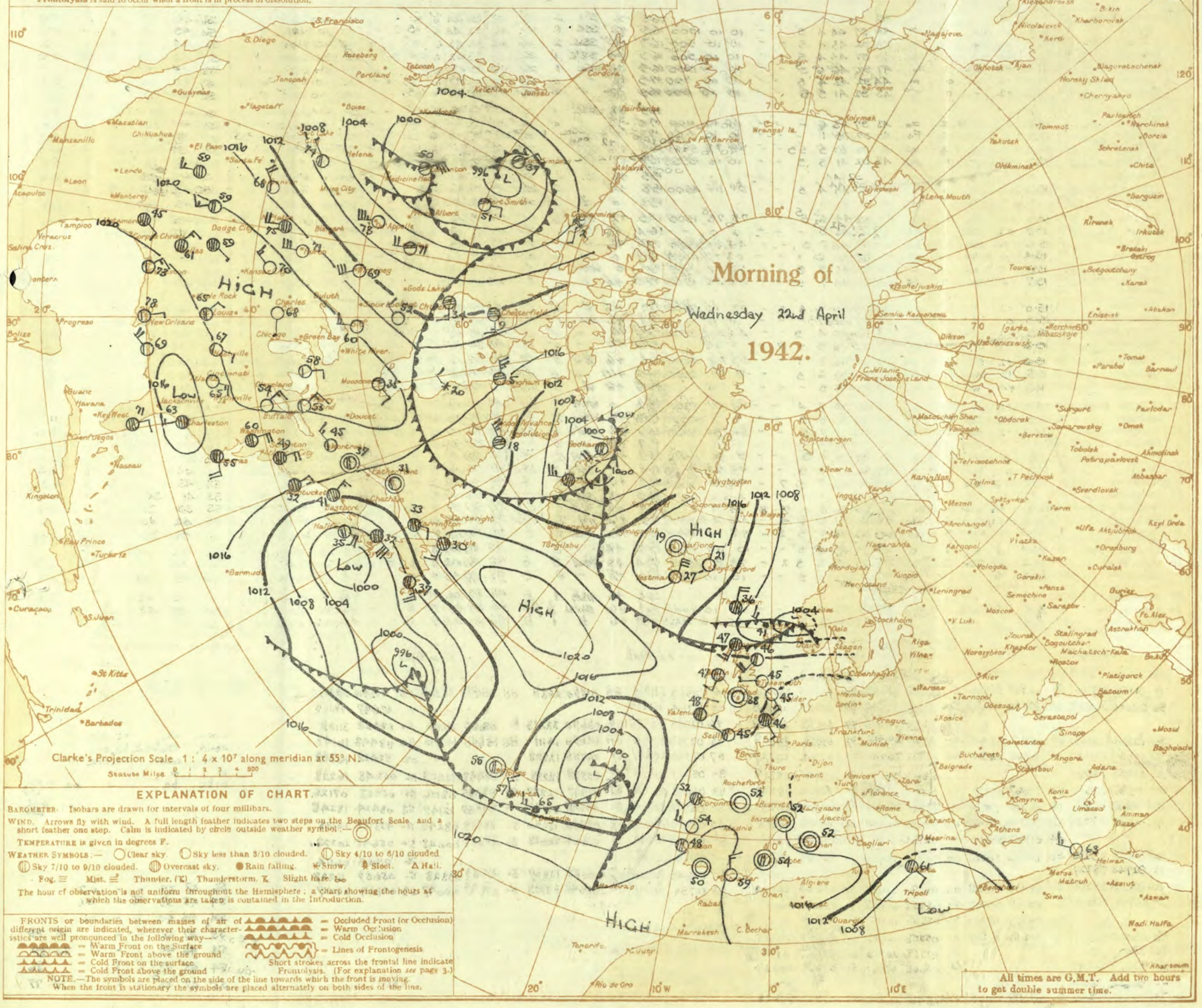
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Wednesday 22nd April 1942

No. 29371

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)	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	16·8	0	SSE	1	m	46	97	44	4	5	-	-	10	10	1900
	S. Farnborough	226	16·2	+2	SSE	2	m	45	92	43	4	5	-	-	10	10	500
	Boscombe Down	417	16·2	+2	S'E	2	ido	46	97	44	4	5	-	-	10	10	500
	Thorney Island	10	16·4	+4	S'E	2	zo	47	92	46	6	5	-	-	10	10	1200
	Lympne ...	283	17·4	+2	-	0	m	44	92	42	4	5	-	-	10	10	700
	Manston ...	154	17·3	+2	-	0	zo	43	92	41	5	5	-	-	10	10	600
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	13	17·3	+2	SE'E	2	zo	43	97	43	6	-	-	-	10	10	1100
	Gorleston ...	5	17·6	0	SSE	2	F+	40	97	36	1	-	-	-	10	10	<150
	Mildenhall ...	15	16·4	0	SE	2	zo	41	92	39	5	5	-	-	7·8	7·8	5200
	Cranwell ...	203	15·9	0	-	0	zo	43	92	41	5	5	-	-	10	10	3500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·7	+2	-	0	m	46	92	44	4	5	-	-	9+	9+	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·5	+2	S	3	c	47	85	44	6	5	-	-	7·8	7·8	1500
	Bristol ...	209	15·9	+2	SE	1	bf+	43	97	42	3	-	-	-	0	0	-
	Portland Bill ...	32	15·6	+4	SSE	3	bc	46	92	44	7	5	-	-	4·6	4·6	2500
	Plymouth ...	82	15·4	0	E NE	1	zo	42	92	41	6	1	-	-	2·3	2·3	4000
	The Lizard ...	240	15·3	0	WNW	1	c	46	97	46	7	8	-	-	7·8	7·8	1500
	Scilly (St. Mary's)	163	15·7	0	WNW	2	bc	45	97	44	7	5	-	-	4·6	4·6	1500
	Guernsey ...	175															
6	Pembroke ...	142	15·0	-2	N	3	c	47	75	40	8	8	2	-	7·8	10	2500
7	Holyhead (Valley)	32	15·5	0	-	0	b	38	97	37	7	-	-	-	0	0	-
	Chester (Sealand)	16	15·5	-2	-	0	m	42	92	40	4	5	-	-	4·6	4·6	3500
8	Manchester ...	235	15·6	-2	SW	1	zo	42	85	38	5	-	7	-	0	7·8	-
10	Spurn Head ...	29	15·6	+2	S	3	bc	45	92	43	7	1	-	-	2·3	2·3	4000
	Catterick ...	175	15·3	+2	SW	3	zo	42	75	33	6	5	-	-	Tr	Tr	2500
	Tynemouth ...	108	14·8	+4	W	1	zo	45	75	38	5	-	-	-	0	0	-
11	St. Abbs Head	280	13·6	+6	W	4	b	46	65	35	7	4	-	-	Tr	Tr	2500
	Leuchars ...	36	12·9	+2	W	1	b	42	85	36	8	5	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	14·2	-2	WSW	2	c	46	95	39	7	5	-	-	9+	9+	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	15·3	0	W	2	c	43	85	38	8	5	-	-	9	9+	4000
13A	Tiree ...	22	14·3	0	SW	2	c	47	92	45	8	5	-	-	7·8	7·8	3500
13B	Stornoway ...	80	10·7	+6	SSW	3	c/pr	47	97	45	7	5	7	-	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	12·3	+6	WSW	2	b	41	85	36	8	-	7	8	0	1	-
	Wick ...	114	10·0	-6	WSW	4	bc	46	85	42	8	5	4	-	4·6	4·6	3500
16	Sumburgh ...	19	09·6	+10	WSW	5	ido	44	92	42	7	5	2	-	7·8	10	1500
17	Blacksod Point	18	15·4	0	S	1	c	49	85	45	8	5	-	-	10	10	2500
18	Malin Head ...	84	14·6	-2	SSW	2	c	47	92	45	8	5	2	-	7·8	9	2500
	Aldergrove ...	268	15·2	0	-	0	c	47	75	41	6	5	-	-	10	10	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·5	-2	NE'E	1	o/r	48	92	46	8	5	-	-	10	10	4000
	Roches Point	22	15·5	0	-	0	bc	47	97	46	8	5	-	-	4·6	4·6	2500

OBSERVATIONS at 7 hr. 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)	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)	16·5	-2	S'W	2	zo	48	85	44	6	5	-	-	10	10	2500	0	*
	Croydon ...	16·5	+2	SSE	2	zo	46	92	44	6	5	-	-	10	10	2000	0	*
	S. Farnborough	16·7	+10	SSW	2	zo	46	85	42	6	5	-	-	10	10	1200	1	*
	Boscombe Down	16·5	+4	SE'E	1	zo	45	85	42	6	5	7	-	9	9+	1400	0	*
	Thorney Island	16·5	+4	WSW	1	zo	46	85	42	6	5	-	-	9+	9+	1500	0	*
	Lympne ...	17·5	+2	-	0	zo	44	92	42	6	5	-	-	10	10	1400	0	1
	Manston ...	16·9	+2	-	0	zo	45	85	41	6	5	-	-	10	10	1500	0	*
2	Shoeburyness ...	16·9	+2	ESE	1	c	46	92	44	5	5	-	-	9+	9+	1400	0	*
	Felixstowe ...	17·0	-2	-	0	zo	44	92	41	6	5	-	-	10	10	1700	0	1
	Gorleston ...	17·3	0	SW'W	1	zo	40	97	40	6	5	-	-	10	10	1000	0	3
	Mildenhall ...	16·8	+6	SSE	1	zo	42	92	41	6	5	-	-	10	10	500	0	*
	Cranwell ...	15·9	+2	SSE	1	zo	43	97	41	5	-	3	-	0	9+	-	0	*
3	Birmingham ...	15·5	+2	S	1	m	46	92	44	4	5	-	-	10	10	450	0	*
	Upper Heyford	15·8	+4	-	0	ido	45	92	43	4	5	-	-	10	10	800	0	*
4	Ross-on-Wye	15·5	0	S	2	zo	47	85	43	6	5	-	-	10	10	1000	0	*
5	Hartland Point	14·5	+2	SE	3	c	46	85	43	7	5	1	-	7·8	10	2300	0	2
	Bristol ...	16·4	+8	SSE	1	zo	45	92	43	6	5	-	-	4·6	4·6	1500	0	*
	Portland Bill ...	15·4	+2	S	2	c	47	92	45	7	5	4	-	4·6	7·8	2500	1	2
	Plymouth ...	15·2	0	-	0	zo	46	97	44	5	5	3	-	2·3	9	1500	0	2
	The Lizard ...	15·1	0	WNW	2	c	48	92	46	8	8	2	-	7·8	10	1500	0	3
	Scilly (St. Mary's)	15·0	+4	N	1	c	47	97	46	8	8	3	-	4·6	9	1500	0	2
	Guernsey ...																	
6	Pembroke ...	15·1	+4	N	4	c	46	85	43	8	5	2	-	9+	10	3200	0	2
7	Holyhead (Valley)	15·1	+2	NW	1	b	41	92	40	7	-	7	-	0	1	-	1	2
	Chester (Sealand)	15·5	+4	-	0	c	44	85	40	5	5	2	-	4·6	10	1800	0	*
8	Manchester ...	15·5	+2	-	0	m	42	92	40	4	5	-	-	10	10	2500	1	*
10	Spurn Head ...	16·1	+6	S'W	3	c	43	92	41	6	7	-	-	9+	9+	4000	0	2
	Catterick ...	16·0	+10	-	0	zo	43	75	37	6	5	-	-	4·6	4·6	2800	0	*
	Tynemouth ...	15·8	+6	W	3	zo	42	85	37	6	5	3	-	4·6	4·6	3000	0	2
11	St. Abbs Head	13·2	0	WNW	4	bc	47	55	44	7	4	-	-	2·3	2·3	4000	0	2
	Leuchars ...	13·2	+6	WSW	2	c	45	75	38	8	5	4	6	Tr	7·8	6000	0	*
12	Renfrew (Abbots I.)	14·5	+6	SW'W	2	zo	48	75	42	6	5	3	6	4·6	7·8	3000	0	*
	Eskdalemuir ...	15·7	+4	-	0	c	33	85	30	8	5	-	-	9+	9+	2200	0	*
	Point of Ayre ...	15·2	+14	S'W	2	c	47	85	43	8	5	-	-	9+	9+	4000	0	1
13A	Tiree ...	13·8	0	SW'W	2	ido	48	85	44	8	5	-	-	9+	9+	2500	0	3
13B	Stornoway ...	12·8	+12	W	2	c	44	92	42	8	5	7	-	7·8	10	2500	1	1
15	Dalwhinnie ...	13·9	0	SW	2	c	44	85	38	8	5	1	-	9	10	2500	0	*
	Aberdeen ...	12·4	+8	S'W	1	c	46	75	37	7	5	-	6	Tr	7·8	3200	1	2
	Wick ...	11·9	+14	NW	2	c/d	42	97	41	6	5	2	-	7·8	10	1800	1	*
16	Sumburgh ...	10·1	+20	NNE	2	c	42	92	39	9	8	3	-	7·8	9	2000	1	2
17	Blacksod Point	15·6	+8	-	0	c	49	85	45	8	5	-	-	7·8	7·8	2500	0	1
18	Malin Head ...	14·4	+6	SSW	3	c	48	92	46	8	8	2	-	4·6	9	2500	0	1
	Aldergrove ...	15·1	+2	-	0	c	47	85	43	8	5	-	-	10	10	4000	0	*
19	Birr Castle ...	14·6	+2	SSE	1	c	47	92	45	7	5	1	-	7·8	10	1500	1	*
20	Valentia Obsy.	15·1	+6	SW'W	3	c/pr	48	85	44	9	8	-	-	9+	9+	4000	1	1
	Roches Point	15·4	+6	N	1	bc	45	97	44	7	5	-	-	4·6	4·6	2500	0	1

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 21st Hrs. (38)
1	London (Kew)	56	47	39	-	-	0·7
	Croydon ...	54	45	38	Tr	-	0·6
	S. Farnborough	54	44	38	Tr	-	0·5
	Boscombe Down	51	42	35	Tr	Tr	0·0
	Thorney Island	53	45	*	-	-	*
	Lympne ...	47	42	42	-	-	0·9
	Manston ...	50	41	39	-	-	2·9
2	Shoeburyness ...	51	44	38	Tr	-	2·0
	Felixstowe ...	49	41	36	Tr	-	0·8
	Gorleston ...	47	37	36	-	-	2·7
	Mildenhall ...	55	39	33	0·1	-	0·6
	Cranwell ...	56	37	28	-	-	5·0
3	Birmingham ...	54	45	43	-	-	0·0
	Upper Heyford	50	45	43	Tr	Tr	*
4	Ross-on-Wye	58	45	41	-	-	2·5
5	Hartland Point	51	45	43	-	-	6·1
	Bristol ...	53	43	38	Tr	-	0·0
	Portland Bill ...	48	46	*	-	-	*
	Plymouth ...	53	41	35	-	Tr	8·5
	The Lizard ...	55	45	*	-	-	5·1
	Scilly (St. Mary's)	57	45	*	-	-	8·8
	Guernsey ...						
6	Pembroke ...	55	40	*	-	-	1·7
7	Holyhead (Valley)	55	36	28	-	-	*
	Chester (Sealand)	55	39	37	-	-	2·2
8	Manchester ...	55	38	30	-	-	*
10	Spurn Head ...	53	42	*	-	-	6·9
	Catterick ...	59	40	30	-	-	4·9
	Tynemouth ...	51	41	38	-	-	*
11	St. Abbs Head	51	42	*	-	-	*
	Leuchars ...	62	39	34	-	-	11·5
12	Renfrew (Abbots I.)	57	43	37	-	-	9·6
	Eskdalemuir ...	58	28	20	-	-	11·2
	Point of Ayre ...	56	38	*	-	-	11·1
13A	Tiree ...	52	46	*	-	Tr	1·4
13B	Stornoway ...	55	43	*	Tr	1	4·3
15	Dalwhinnie ...	55	41	36	-	-	10·0
	Aberdeen ...	55	39	31	-	-	10·7
	Wick ...	58	42	40	-	0·6	*
16	Sumburgh ...	50	41	29	-	Tr	3·4
17	Blacksod Point	55	44	*	-	-	*
18	Malin Head ...	51	44		-	Tr	0·0
	Aldergrove ...	55	45	44	-	-	6·3
19	Birr Castle ...	58	45	43	-	-	3·6
20	Valentia Obsy.	54	46	42	0·2	0·1	
	Roches Point	53	45	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st April $C_L C_M$	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	17	01852	55714	57	02853	54726	5-	61638	55628	53	22965	24266
115	52	02844	20527	52	02744	20587	52	64735	53568	52	62835	20268
203							5-	02836	20526	6-	61838	24468
206	80	01963	22413	83	01863	22415	5-	01965	24415	57	61956	22218
210	10	01862	22413	14	01861	22315	50	00861	20211	57	02963	20227
220	53	01953	23016							52	02845	28318
230	5-	02867	20317	5-	02967	19317	5-	01864	20264	5-	51814	18257
245	10	01863	16413	14	01761	17414	50	05661	26212	50	02851	24117
260	16	01861	22201	00	00790	23401	00	05690	20100	50	01753	20314
278				44	01863	30314	5-	02756	12216	5-	05667	14127
279	10	01863	20213	00	00890	20303	00	00790	18200	5-	05667	18127
285	23	02745	08227									
288	20	05665	22215	5-	08458	14228	00	05690	20110	50	05564	20104
575	7-	02858	00028	5-	02867	00027	5-	02858	00028	5-	02867	00027
301				00	00890	28200	5-	05565	12115	5-	08468	10128
321	53	05665	14327	52	22656	16268	5-	05558	00028	5-	47368	25148
299	70	05647	18327				5-	02758	20218	5-	08457	20227
292	5-	47367	14247				5-	05666	27116	5-	05668	00028
310	--	02626	26316									
614	7-	05656	16346	5-	05668	16128	5-	08468	00048	5-	43368	00048

III	13h. G.M.T. 21st April $C_L C_M$	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	14	01963	26314	03	01890	26311	00	00890	26200	03	01890	26303
334	--	01764	26214							--	03647	12128
340	26	02765	32225	04	05690	32213	5-	05666	32116	5-	08458	31128
136	13	02763	16125	00	05690	14111	00	05690	14310	50	08443	16143
336	57	02743	28227	57	02755	12328				02	52428	16358
350	5-	05647	10327	52	05555	12228	5-	08448	12228	5-	05648	16228
368	53	05545	06228	5-	08447	12227	51	08445	08126	51	05553	07126
379	5-	05548	12228	5-	05547	16147	--	44209	12149	53	08424	18245
390	57	05534	09227	00	08490	15220	5-	08458	08248	5-	43348	14148
382	5-	08438	10228	51	05664	00028	5-	45358	00048	5-	05648	20228
438	--	46109	12149							76	01663	06114
430	5-	05645	16168	5-	05557	12227	5-	05538	13328	5-	05657	16227
409	53	01754	30215	57	05645	23228	5-	05647	00047	53	02844	26127

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	Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew	cocm.	cz.	cz.m.cm.	Kew 24 hours ended 7h. Max. Time 0·4 7-24h 21st. Min. Time 0·1 0-4h 22nd
Croydon	omid.	cz.bcz.	bz.cm.	
Greenwich	om.	ocm.	cm.omc	
Camden Square	o	o	*	
Kensington	ocbc	bc	*	
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 %	Humidity 9h % Today
Kew	56	47	39	-	-	0·7	*	*
Croydon	54	45	38	Tr	-	0·6	*	*
Greenwich	54	44	40	-	-	1·2		
Westminster	55	47	46	-	-		75	79
Regents Park	54	46	44	-	-		60	79
Camden Square	54	45	43	-	-	*	*	86
Kensington	55	47	46	-	-		78	77
Hampstead							*	

BRITISH SECTION

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

SECRET

Thursday 23rd April 1942

No. 29372

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)	16·0	−6	W	2	zo	56	55	40	6	8	–	–	7-8	7-8	4000
	Croydon ...	16·2	−6	SSW	1	c	58	55	42	7	5	–	–	9	9	2500
	S. Farnborough	15·9	−10	W'S	2	c	57	55	42	7	1	–	–	7-8	7-8	2500
	Boscombe Down	16·2	−4	SW	3	c	51	75	42	7	7	–	–	10	10	3000
	Thorney Island	16·9	0	S	3	b	53	75	45	7	2	–	–	1	1	2500
	Lympne ...	17·3	−4	SE	1	zo	51	75	43	6	1	–	–	7-8	7-8	2000
	Manston ...	16·9	−4	SE	1	zo	50	75	42	6	5	–	–	9	9	2500
2	Shoeburyness ...	16·9	−2	SE	2	c	53	75	45	5	5	–	–	7-8	7-8	2800
	Felixstowe ...	17·0	−2	SSE	3	b	51	75	41	6	–	–	–	0	0	–
	Gorleston ...	17·6	0	SE'S	2	zo	47	75	42	6	1	–	–	1	1	2500
	Mildenhall ...	16·2	−6	–	0	zo	56	65	45	6	5	–	–	10	10	2500
	Cranwell ...	15·5	−4	SW	2	zo	56	65	43	6	5	–	–	9+	9+	2500
3	Birmingham ...	15·6	0	S	1	zo	50	75	43	6	5	–	–	10	10	1500
	Upper Heyford	15·5	−8	SSW	2	zo	55	55	40	6	8	–	–	7-8	7-8	2800
4	Ross-on-Wye	15·3	−4	NW'N	2	c	55	65	44	6	5	–	–	9+	9+	3000
5	Hartland Point	15·2	+2	NE	3	c	52	85	47	6	5	–	–	9	9	2000
	Bristol ...	16·0	−4	SSW	3	zo	54	65	43	6	5	1	–	7-8	10	1500
	Portland Bill ...	17·4	+6	S	2	o	49	92	47	8	5	–	–	10	10	2500
	Plymouth ...	15·8	0	SW	3	zo	53	85	48	7	7	3	–	4-6	9+	2000
	The Lizard ...	15·8	+2	W'N	2	bc	55	75	50	8	8	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	16·0	+2	NW'W	1	bc	56	65	46	8	8	8	–	2-3	4-6	1500
	Guernsey ...															
6	Pembroke ...	16·1	+2	NW'W	3	c	48	85	44	8	5	–	–	9+	9+	3000
7	Holyhead (Valley)	15·2	0	NW	2	bc	55	55	39	8	1	7	–	2-3	4-6	2000
	Chester (Sealand)	15·8	−2	WNW	1	zo	50	85	45	5	5	2	–	7-8	10	4000
8	Manchester ...	15·4	−2	WSW	2	of	50	75	44	3	5	–	–	10	10	3000
10	Spurn Head ...	14·9	−6	SSE	3	o	51	85	48	6	5	–	–	10	10	2900
	Catterick ...	15·2	−4	SW	1	c	61	45	40	8	7	–	–	7-8	7-8	4500
	Tynemouth ...	15·5	−2	W	3	bc	57	45	37	7	8	–	–	4-6	4-6	2800
11	St. Abbs Head	13·7	+4	NW	2	bc	53	65	40	7	5	4	–	4-6	4-6	4000
	Leuchars ...	13·7	+4	WNW	2	c	55	65	48	9	2	–	8	4-6	7-8	3000
12	Renfrew (Abbots I.)	14·6	0	NW	5	c	55	65	43	8	8	4	6	4-6	9+	1800
	Eskdalemuir ...	14·5	0	N'W	2	c	53	55	37	8	5	–	–	9+	9+	2200
	Point of Ayre ...	15·9	+2	NW'W	3	c	54	85	48	8	2	7	–	Tr.	9+	4500
13A	Tiree	15·8	+12	N'E	1	c	48	85	44	8	5	–	–	9+	9+	2500
13B	Stornoway ...	15·8	+24	WNW	4	c	48	75	39	8	2	6	–	4-6	7-8	2500
15	Dalwhinnie ...	15·3	+10	WSW	2	pr	49	75	42	8	5	–	–	10	10	2500
	Aberdeen ...	14·7	+20	NE	2	c	48	75	41	8	6	2	–	10	10	2200
	Wick ...	14·7	+12	N	2	c	49	65	38	9	8	7	–	7-8	9+	2000
16	Sumburgh ...	14·9	+22	NE	3	c	44	65	32	8	5	–	–	9	9	2000
17	Blacksod Point	16·0	+2	W	2	c	54	65	43	9	8	3	5	2-3	9	2500
18	Malin Head ...	15·4	+6	W'N	3	c	53	75	46	9	2	3	5	4-6	7-8	4000
	Aldergrove ...	16·0	+6	WN	1	c	54	55	36	8	8	–	–	10	10	5000
19	Birr Castle ...	15·2	0	ESE	1	c	53	75	46	7	5	–	–	7-8	10	1500
20	Valentia Obsy.	15·9	+2	SSW	3	c	55	55	40	9	8	–	1	9+	9+	4000
	Roches Point	16·2	+2	S	3	bc	54	75	47	8	3	3	–	2-3	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)	14·9	−4	W	2	zo	55	55	40	6	5	–	–	9+	9+	2500	0	*
	Croydon ...	14·5	−2	WSW	2	zo	55	65	42	6	5	–	–	4-6	9	3500	0	*
	S. Farnborough	15·2	0	WNW	1	c	54	65	43	8	8	–	–	9	9	4000	0	*
	Boscombe Down	15·7	−4	WSW	2	bc	51	75	42	8	7	–	–	4-6	4-6	2600	0	*
	Thorney Island	15·8	−2	S'W	2	b	51	75	45	7	–	–	–	0	0	–	0	*
	Lympne ...	16·7	−2	SSE	1	zo	49	85	44	6	–	–	–	0	0	–	0	§ 1
	Manston ...	15·7	−2	SE'S	1	zo	48	85	45	6	–	–	–	0	0	–	0	*
2	Shoeburyness ...	15·7	−2	SE	2	bc	51	85	46	5	–	3	–	0	2-3	–	0	*
	Felixstowe ...	15·7	−2	SSE	2	zo	47	85	45	6	5	–	5	Tr	2-3	2500	0	1
	Gorleston ...	15·9	−2	S	3	zo	46	85	43	6	–	–	–	0	0	–	0	3
	Mildenhall ...	15·1	−2	–	0	zo	56	65	45	6	5	–	–	4-6	9	1500	0	*
	Cranwell ...	14·6	−2	SW'S	3	zo	55	65	43	6	5	–	–	1	1	3000	0	*
3	Birmingham ...	15·6	0	NNW	2	zo	50	75	43	6	5	–	–	10	10	2500	0	*
	Upper Heyford	15·1	+2	SW	3	zo	53	65	41	6	5	–	–	9+	9+	4500	0	*
4	Ross-on-Wye	14·9	−4	WS	2	zo	54	65	43	6	5	–	–	9+	9+	3500	0	*
5	Hartland Point	15·1	+4	NNE	3	c	48	92	45	6	5	–	7	7-8	10	2000	0	3
	Bristol ...	15·6	−2	S	2	zo	52	75	44	6	5	3	–	7-8	9+	6000	0	*
	Portland Bill ...	15·3	−12	S	2	c	48	92	46	8	5	–	–	7-8	7-8	4000	1	2
	Plymouth ...	15·1	−4	SW	3	zo	51	85	46	6	2	4	–	2-3	2-3	2000	0	2
	The Lizard ...	15·2	−2	–	0	bc	54	65	43	8	8	6	–	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	15·4	−2	NE'E	2	bc	53	75	46	8	8	–	–	2-3	2-3	1500	0	2
	Guernsey ...																	
6	Pembroke ...	15·4	−2	N	3	c	49	75	40	8	8	–	–	9+	9+	3000	0	2
7	Holyhead (Valley)	15·6	+4	NW	3	b	52	65	42	8	1	3	–	Tr	1	3000	0	2
	Chester (Sealand)	15·7	0	WNW	2	c	49	85	45	6	5	–	–	10	10	6000	0	*
8	Manchester ...	15·0	−2	NW'W	2	zo	50	75	41	5	5	–	–	10	10	3000	0	*
10	Spurn Head ...	14·4	−20	NE'E	4	zo	48	92	46	6	5	–	–	10	10	2500	0	2
	Catterick ...	14·8	0	ENE	1	o	55	55	38	7	5	–	–	10	10	3000	0	*
	Tynemouth ...	15·6	+4	SSW	2	bc	51	65	40	7	2	3	–	2-3	4-6	2800	0	2
11	St. Abbs Head	15·0	+10	SE	1	c	51	65	40	7	6	7	–	4-6	9	3000	0	1
	Leuchars ...	15·0	+26	N	2	zo	45	92	43	7	3	2	–	9	10	800	1	*
12	Renfrew (Abbots I.)	15·1	+2	WNW	3	c	53	65	42	9	4	6	6	7-8	9+	2500	0	*
	Eskdalemuir ...	14·4	0	NNW	3	c	53	55	38	8	5	7	7	7-8	9+	2200	0	*
	Point of Ayre ...	15·7	−2	NW'W	2	c	51	75	45	8	–	3	–	0	9+	–	0	2
13A	Tiree	16·8	+4	N'E	3	c	47	75	38	8	5	–	–	9	9	3500	0	3
13B	Stornoway ...	17·9	+6	NW	2	c	50	75	39	8	5	7	–	7-8	9+	2500	1	1
15	Dalwhinnie ...	16·3	+8	N	2	pr	44	75	42	7	5	–	–	10	10	2500	1	*
	Aberdeen ...	16·5	+12	ENE	2	c/r	44	85	41	8	5	7	–	7-8	9+	2300	1	2
	Wick ...	16·8	+14	NE	1	c	46	85	42	8	8	7	–	7-8	7-8	3500	0	*
16	Sumburgh ...	18·5	+22	NNE	3	c	40	65	30	8	5	–	–	9+	9+	2500	0	3
17	Blacksod Point	16·8	+6	N'W	3	c	52	75	45	9	8	3	–	4-6	9	2500	0	2
18	Malin Head ...	16·3	+6	N	3	c	49	97	48	8	5	–	–	9+	9+	1500	0	1
	Aldergrove ...	16·0	+2	NW	1	c	51	75	43	8	7	7	–	7-8	10	5000	0	*
19	Birr Castle ...	14·7	0	W	1	c	53	75	46	7	5	1	–	7-8	10	1500	0	*
20	Valentia Obsy.	16·1	+2	N'W	2	pr	52	65	41	9	8	–	–	10	10	4000	0	2
	Roches Point	15·9	−2	SW	2	bc	52	75	45	8	5	3	–	2-3	4-6	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 22nd (39)	13h.–18h. 22nd (40)	18h. 22nd to 1h. 23rd (41)	1h.–7h. 23rd (42)
1	London (Kew)	cmozoy	czoy	czo	cmow
	Croydon ...	cmccy	cyczo	czcmo	cmbcmw
	S. Farnborough	cmbcy	bccyc	bcbmo	bbcbcm
	Boscombe Down	czoc	czobc	bcmo, bm	ombfbc
	Thorney Island	czobcb	bzo	fgbmw	bmfwmo
	Lympne ...	cmo	czobzo	bmowF	Fjfbmjf
	Manston ...	cmozo	cbcbzomo	bmomwmo	bmoFF
2	Shoeburyness ...	cmo	cmobcmo	bcmo	bcmowof
	Felixstowe ...	bmo	bmobcmo	bfcfof	ofomcmo
	Gorleston ...	bcbzo	bzo zo	oFFe	oFFe
	Mildenhall ...	bczoyczo	czobczoc	bczcmw	cmmow
	Cranwell ...	czo	czobzo	bzobf	bfFcmo
3	Birmingham ...	omcz	cz	c	cf
	Upper Heyford	cidomcmo	yczo	czomm	cmof
4	Ross-on-Wye	ozczo	cczo	cpocmo	cbcmo
5	Hartland Point	c	cmo	c	c
	Bristol ...	bcmocmo	czo	bccmw	cmcmf
	Portland Bill ...	c	bcc	b	bcc
	Plymouth ...	cmo	bcmo	bmobm	bmow
	The Lizard ...	bc	bccbc	bccmw	c
	Scilly (St. Mary's)	cbc	bc	bcb	bbcc
	Guernsey ...				
6	Pembroke ...	c	c	c	c
7	Holyhead (Valley)	bybc	bbcby	bbcb	bcwfg
	Chester (Sealand)	cidomozo	cmoiro	cmow	cmroro
8	Manchester ...	cf	cfzzo	iromo	rorm
10	Spurn Head ...	omo	omo	omomiro	omirc
	Catterick ...	bcbcy	bcycy	czocmo	cmomfm
	Tynemouth ...	bc	bc	bcmo	coir
11	St. Abbs Head	bcm	bcmobcc	cidiro	cirorr
	Leuchars ...	cvycv	cvcrro	croir	crrromo
12	Renfrew (Abbots I.)	cproc	cproc	cpriro	
	Eskdalemuir ...	cbccy	cy		
	Point of Ayre ...	c	c	c	c
13A	Tiree	c	c	bc	
13B	Stornoway ...	c	c	cprbc	bccpr
15	Dalwhinnie ...	ocproo	opr		
	Aberdeen ...	bcwcpro	cprro	c	crro
	Wick ...	circc	cproc	cpropr	crroc
16	Sumburgh ...	cbcc	cyc	cbcc	cy
17	Blacksod Point	bc	c	c	c
18	Malin Head ...	c	c	c	pr
	Aldergrove ...	cy	ccproc	c	c
19	Birr Castle ...	c	c	c	c
20	Valentia Obsy.	c	pr	pr	bc
	Roches Point	b	bc	b	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light variable winds becoming northeast, moderate to fresh. Fair at first, occasional rain later; becoming colder.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate northeast to east wind, fresh locally. Rain at first, fair later apart from light showers near East coast. Rather cold; frost locally at night.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light to moderate northeast wind, decreasing. Fair; rather cold: frost at night.
16 Orkneys and Shetlands	As 13A–15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate northeast or east wind, fresh on coasts. Cloudy; local rain: becoming colder.

GENERAL INFERENCE

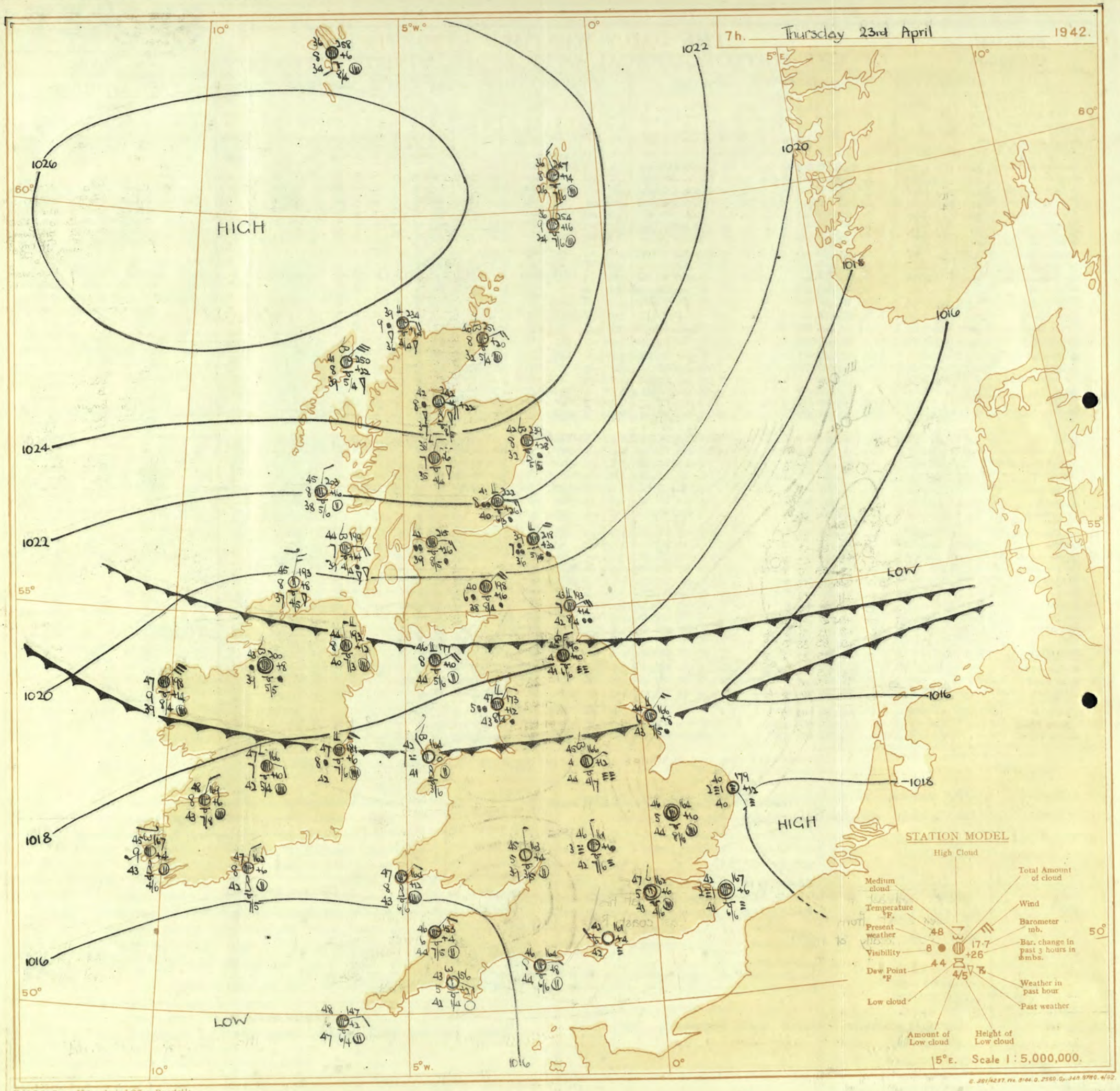
An anticyclone centred to northwest of Scotland is spreading southeast and two cold fronts over North England and North Ireland are moving south. There will be occasional rain in the North at first, followed by fair weather. In the South it will be fair at first but occasional rain will occur later. Temperatures will fall in all districts.

FURTHER OUTLOOK

Mainly fair but local showers near the East coast; rather cold.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

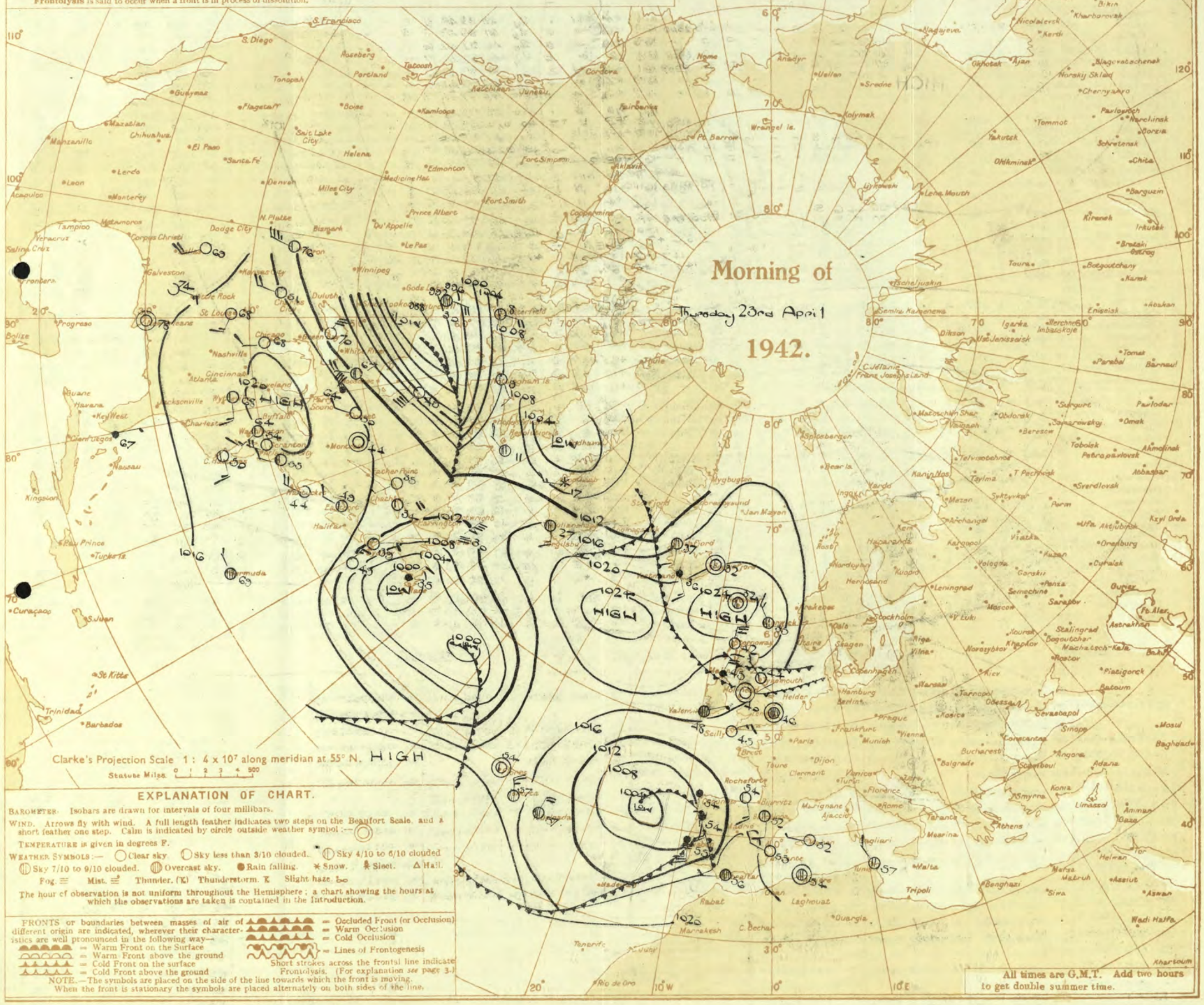
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add two hours to get double summer time.

Page 4.

BRITISH SECTION

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

Thursday 23rd April 1942
No. 29372

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)	Med (11)	High (12)	Amount Low 0-10 (13)	Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	15·7	0	SSW	1	z_0	45	92	42	5	5	-	-	2-3	2-3	2500
	S. Farnborough	226	15·4	-4	-	0	z_0	44	85	40	5	-	-	-	0	0	-
	Boscombe Down	417	16·2	-2	SSW	1	m	41	92	41	4	-	-	-	10	10	<150
	Thorney Island	10	16·2	+2	NW'N	1	z_0	37	97	37	6	5	-	-	Tr	Tr	2500
	Lympne	283	16·8	+2	-	0	bF	41	97	41	1	-	-	-	0	0	-
	Manston	154	16·0	+2	-	0	z_0	42	85	38	5	-	-	5	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·1	0	ESE	1	f	42	97	42	2	-	-	-	10	10	<150
	Gorleston	5	16·7	0	SSW	2	F	41	97	41	1	-	-	-	10	10	<150
	Mildenhall	15	15·6	+2	SE	1	m	45	92	43	4	5	-	-	10	10	4300
	Cranwell	203	15·6	+6	-	0	bf+	40	92	39	2	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·3	+2	-	0	m	47	92	44	4	5	-	-	10	10	3800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·3	0	NE	2	c	47	85	44	6	5	-	-	9+	9+	2500
	Bristol	209	16·1	+2	-	0	z_0	45	92	43	5	5	2	-	7-8	10	5700
	Portland Bill	32	15·7	-8	S	1	b	45	92	43	7	-	-	-	0	0	-
	Plymouth	82	16·0	+2	E'S	2	z_0	42	97	42	5	-	-	-	0	0	-
	The Lizard	240	15·6	-2	-	0	c	47	85	44	6	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	15·5	-2	NE'E	3	b	45	92	43	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	15·5	-8	NE'N	4	c	48	75	40	8	8	2	-	9+	10	4000
7	Holyhead (Valley)	32	16·4	+2	-	0	b	40	85	37	7	5	-	-	Tr	Tr	5000
	Chester (Sealand)	16	15·9	0	NW'W	1	c	46	85	42	6	5	-	-	10	10	4200
8	Manchester	235	15·8	+2	-	0	ir_0	45	85	41	5	5	-	-	10	10	4000
10	Spurn Head	29	15·6	0	E'S	3	ir_0	46	92	44	6	-	2	-	10	10	2500
	Catterick	175	16·6	+6	-	0	z_0	45	85	40	5	5	-	-	9	9	3000
	Tynemouth	108	16·9	+8	NW	2	z_0	44	92	42	5	-	3	-	0	2-3	-
11	St. Abbs Head	280	17·3	+8	NE	3	ir_0	42	92	40	7	5	-	-	9+	9+	2500
	Leuchars	36	18·6	+12	N	1	ir_0	43	92	41	8	5	2	-	7-8	10	2700
12	Renfrew (Abbots I.)	19	18·0	+14	E'N	3	ir_0	46	85	43	6	5	-	-	10	10	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16·4	+2	NW	2	c	46	92	44	8	5	-	-	9	9	4000
13A	Tiree	22	18·4	+2	N'E	3	bc	43	85	37	8	5	4	-	2-3	2-3	3500
13B	Stornoway	80	21·9	+14	NNE	6	bc/pr	42	92	40	8	8	6	-	4-6	4-6	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	20·0	+18	NE'E	2	dr	42	97	41	8	5	-	-	9+	10	700
	Wick	114	21·1	+20	NE'E	4	pr	41	92	38	7	5	-	-	10	10	1400
16	Sumburgh	19	22·6	+16	NNE	3	c	36	65	24	8	5	3	-	7-8	9	3100
17	Blacksod Point	18	17·8	+6	NNE	2	c	50	85	46	8	5	-	-	9	9	2500
18	Malin Head	84	18·3	+6	N'E	4	pr	45	75	38	8	5	2	-	4-6	10	2500
	Aldergrove	268	17·7	+6	N'W	2	c	44	85	41	7	5	-	-	10	10	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·7	-2	NE'E	1	c/pr	48	85	44	8	8	-	-	10	10	4000
	Roches Point	22	16·5	0	N	2	bc	47	85	43	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 23rd 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 22nd Hrs. (38)
London (Kew)	16·1	+4	SW	1	z_0	49	85	45	5	5	-	-	9+	9+	2500	0	*	59	47	35	-	-	3·8
Croydon	16·2	+6	-	0	z_0	47	85	43	5	5	4	-	4-6	4-6	4500	0	*	59	42	39	-	Tr	2·9
S. Farnborough	16·5	+14	-	0	z_0	44	92	42	6	-	3	-	0	1	-	1	*	60	42	30	-	-	4·8
Boscombe Down	16·4	0	-	0	fg	44	92	43	7	-	3	-	0	2-3	-	0	*	54	39	31	-	Tr	1·3
Thorney Island	16·1	+4	W	2	z_0	42	97	42	6	-	-	-	0	0	-	1	*	54	37	29	-	-	*
Lympne	16·9	+2	-	0	m_0	45	97	44	4	-	-	-	0	0	-	0	§1	53	35	32	-	-	5·3
Manston	16·7	+6	-	0	cf-	42	97	42	2	5	-	-	9	9	3000	1	*	53	39	36	-	Tr	4·5
Shoeburyness	16·7	+10	E	1	cf-	45	97	44	3	5	-	-	9+	9+	500	0	*	54	42	34	-	-	5·9
Felixstowe	17·5	+2	E	2	z_0	43	97	43	5	5	-	-	10	10	7300	0	1	53	40	39	-	-	8·3
Gorleston	17·9	+12	SE'S	1	f-	40	97	40	2	-	-	-	10	10	<150	0	2	49	39	36	-	-	8·6
Mildenhall	16·4	+10	-	0	z_0	46	92	44	5	5	-	-	10	10	4500	0	*	59	43	32	-	Tr	2·7
Cranwell	16·9	+10	NE	2	z_0	45	92	43	5	5	-	-	10	10	3000	0	*	58	36	30	-	Tr	4·7
Birmingham	16·4	+6	NNE	2	F+	42	97	41	1	-	-	-	10	10	<150	0	*	53	42	33	-	-	0·0
Upper Heyford	16·1	+10	N	1	cf	46	85	42	3	5	-	-	9+	9+	4000	0	*	56	45	44	Tr	-	*
Ross-on-Wye	16·3	+4	N	1	z_0	45	85	39	5	5	-	-	2-3	2-3	3000	0	*	56	44	39	-	Tr	0·8
Hartland Point	15·3	+4	NE	2	c	46	92	44	6	5	-	-	9+	9+	2400	1	2	53	44	42	-	-	1·9
Bristol	17·0	+12	-	0	m/f	46	85	43	4	5	-	-	9	9	7200	0	*	56	43	33	-	-	0·6
Portland Bill	16·4	+8	E	1	c	46	92	44	8	5	-	-	9	9	4000	1	2	49	43	*	-	-	*
Plymouth	15·6	+2	ESE	1	z_0	43	92	42	5	5	3	-	Tr	2-3	1500	0	1	55	39	39	-	-	4·9
The Lizard	14·7	-2	NE	2	c	47	97	47	6	8	6	-	7-8	9+	1500	0	3	55	45	*	-	-	6·6
Scilly (St. Mary's)	14·7	+2	E'N	2	c	48	97	47	6	5	-	-	9	9	1800	0	2	59	43	*	-	-	0·7
Guernsey																							
Pembroke	16·4	+12	NE'E	2	c	47	85	43	8	8	-	-	9	9	3000	0	2	50	40	*	-	-	0·0
Holyhead (Valley)	16·4	0	NW	1	fg	42	97	41	7	8	7	4	2-3	4-6	3000	0	1	59	35	28	-	-	*
Chester (Sealand)	16·7	+8	WNW	1	r_0r_g	46	85	43	6	8	2	-	7-8	10	3000	1	*	52	46	44	0·2	0·5	0·0
Manchester	16·7	+10	-	0	cf+	45	97	44	3	5	-	-	7-8	10	1500	1	*	52	44	42	-	1	*
Spurn Head	16·6	+8	NE'N	3	c	44	92	43	6	-	2	-	9+	9+	2500	1	2	52	43	*	-	1	3·8
Catterick	19·0	+10	N'E	3	m/f	45	85	41	4	5	7	-	9	10	4500	0	*	61	44	39	-	-	5·8
Tynemouth	19·3	+14	ENE	5	o/r	43	97	42	7	-	2	-	10	10	1200	1	3	59	43	41	-	1	*
St. Abbs Head	21·8	+32	NE	4	rr	39	92	36	7	6	2	-	7-8	10	1500	1	4	55	39	*	-	4	*
Leuchars	22·2	+26	E	3	r_0r_0	41	97	40	8	5	2	-	9	10	900	1	*	61	41	38	Tr	3	8·3
Renfrew (Abbots I.)	21·5	+26	E	3	r_0r_0	42	92	39	6	5	-	-	10	10	2500	1	*	59	41	40	Tr	2	3·0
Eskdalemuir	19·8	+16	NE'E	4	ir_0	40	92	38	6	5	-	-	10	10	1100	0	*	54	39	39	-	Tr	1·9
Point of Ayre	17·7	+10	ENE	4	c	46	97	44	8	5	2	-	7-8	10	3500	0	3	55	44	*	-	-	0·3
Tiree	20·3	+16	NNE	2	c	45	75	38	8	5	-	-	7-8	7-8	3500	0		52	43	*	2	-	0·0
Stornoway	25·0	+22	NE	6	c	41	92	39	8	5	7	-	7-8	9+	1500	1	3	50	39	*	Tr	1	5·4
Dalwhinnie	23·5	+16	NNE	2	o	38	85	35	7	5	1	-	4-6	10	1500	1	*	51	36	35	4	6	0·5
Aberdeen †	23·9	+28	E'N	3	c	42	65	32	8	7	7	-	7-8	9	2100	1	3	54	40	39	0·2	1	1·7
Wick	25·1	+20	ENE	3	c	40	75	32	8	5	7	-	7-8	9+	1500	1	*	49	37	28	Tr	1	*
Sumburgh	25·4	+16	NNE	2	c	36	55	24	9	5	-	-	9+	9+	3500	0	2	44	31	30	-	-	3·5
Blacksod Point	19·8	+14	NE	6	c	47	75	40	9	5	-	-	10	10	1500	0	5	56	46	*	-	-	*
Malin Head	19·3	+8	N'E	3	bc	45	75	38	8	5	-	1	4-6	4-6	2500	0	2	54	44	*	-	Tr	0·0
Aldergrove	19·3	+12	N'W	1	c	44	85	40	8	5	2	-	9+	10	800	0	*	53	42	41	Tr	-	0·2
Birr Castle	16·6	+10	ESE	2	c	47	85	43	7	5	1	-	7-8	10	1500	0	*	57	43	25	1	-	0·3
Valentia Obsy.	16·7	+4	SW'W	1	c	45	92	43	9	8	3	1	4-6	7-8	4000	1	1	57	44	40	Tr	Tr	*
Roches Point	16·2	+6	N'E	2	c	47	85	43	8	8	-	-	9+	9+	2500	0	2	55	45	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd April $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 23rd April $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
100				8-	81847	08487	5-	02756	05486	50	00952	32812
115	87	81944	28387	87	02944	28285	87	81844	04487	52	81944	08487
203				73	02945	08327	30	01943	04313	8-	02946	04514
206	87	02956	04388	57	22856	00068	57	02955	02088	8-	81858	43488
210	5-	02977	02257	57	62866	32168	5-	02857	00067	52	22845	08257
220	57	02854	29417	53	01855	29314				53	01953	02804
230	5-	51848	20358	57	02867	25218	5-	62858	00088	5+	02957	04168
245	3-	25966	08287	52	62763	06388	5-	62668	04268	6-	62846	06468
260	80	02854	20314	86	81646	07427	5-	05548	07488	5-	62648	05468
278	8-	02966	32327	84	02866	26827	57	02764	28327	8-	81858	04288
279	73	02775	20427	5-	02877	20327	5-	05667	00027	52	62744	06568
285	5-	02857	28417							27	81625	08488
288	2-	02765	18215	5-	05667	06127	5-	08478	00028	87	05645	06328
575	87	02866	26128	87	02867	00028	5-	52848	26128	57	61885	00068
301	03	05690	25314	53	05664	28314	5-	05668	29328	02	62548	04268
321	50	05684	00044	8-	81368	19188	5-	62468	00068	5-	62554	02168
299	54	05553	14103	54	05664	10115	5-	02755	00015	53	01764	02214
292	5-	02868	28128	51	02756	00026	5-	02768	06128	57	22654	08167
310	--	05428	24228							--	46603	04349
614	53	05563	16127	53	41464	24248	03	45290	04142	57	41474	06145

III	13h. G.M.T. 22nd April $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 23rd April $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	13	02862	26326	13	01861	28424	05	01790	28113	93	02974	24125
334	--	03647	18228							--	03547	20128
340	5-	08468	28228	5-	05668	30128	5-	05668	00028	5-	05668	32268
136	5-	05668	16118	00	05690	20220	03	08490	12127	5-	05557	07146
336	52	05644	16327	52	05545	18328				02	52528	20358
350	8-	05655	17155	5-	05667	21127	5-	05568	16128	5-	05567	00027
368	73	02665	20417	5-	05668	18128	5-	08448	06128			
379	5-	02747	16327	5-	02755	18325	5-	45358	00058	5-	08457	02147
390	8-	47357	15148	03	08486	24146	5-	08468	00028	5-	67388	00068
382	7-	02758	20228	5-	02767	00027	5-	08464	00014	0-	05566	00027
438	00	00690	20200							00	00690	04200
430				00	00890	18210	00	05690	32100	50	41521	02141
409	52	05625	25228	52	05627	08328	5-	05525	00028	50	05663	07213

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd April
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	cmzy	czy	cmzw
Croydon	cmzccy	cycz	cmbcm
Greenwich	ocy	cy	cmf
Camden Square	o	c	*
Kensington	c	c	*
Hampstead	o	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew 24 hours ended 7h.
Max. Time 0.2 h. 7h. 23rd
Min. Time 0.1 9-15h. 22nd

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew	59	47	35	-	-	3·8	*	*
Croydon	59	42	39	-	Tr	2·9	*	*
Greenwich	61	43	30	-	-	2·1	49	89
Westminster	58	40	45		-		55	86
Regents Park	61	49	37	-	-		55	79
Camden Square	62	48	40	-	-	*	*	79
Kensington	60	48	40	-	-		59	85
Hampstead	59	47	41	-	-		*	87

Page 1 BRITISH SECTION

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

SECRET

Friday 24th April 1942

No. 29,373

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)	16·1	-2	E'N	3	z	57	55	41	6	5	-	-	9+	9+	1500
	Croydon	16·4	+2	ENE	3	z	56	65	42	6	5	-	.	9+	9+	3000
	S. Farnborough	16·1	-2	NE	1	pr	56	65	44	6	8	-	-	10	10	2000
	Boscombe Down	15·6	-8	SE'E	3	c	60	45	30	7	8	-	.	9	9	3000
	Thorney Island	15·8	-2	S	3	bc	56	65	44	7	8	-	-	1	1	2500
	Lympne	17·4	+2	NE	1	z	54	65	43	6	1	-	-	1	1	3000
	Manston	17·6	+6	NE	3	z	50	75	42	6	5	-	-	Tr	Tr	600
2	Shoeburyness	17·8	+6	ENE	2	bc	53	75	45	6	1	3	-	Tr	2-3	2500
	Felixstowe	18·2	+2	ENE	3	z	49	75	41	7	5	-	-	9+	9+	5700
	Gorleston	19·0	+6	NE'E	4	z	43	85	38	6	5	-	-	10	10	800
	Mildenhall	17·8	+6	NE'E	4	c	56	55	40	7	5	-	-	9+	9+	3500
	Cranwell	19·6	+10	NE'E	4	c/d	46	85	40	6	5	-	-	4-6	10	1000
3	Birmingham	17·5	+2	ENE	3	z	51	75	34	5	6	-	-	10	10	1500
	Upper Heyford	16·3	-2	ENE	2	pr	54	75	45	6	8	-	-	10	10	1800
4	Ross-on-Wye	17·1	0	N'E	2	m	40	75	41	4	5	-	-	10	10	800
5	Hartland Point	15·5	-2	NNE	3	bc	50	85	46	7	2	-	-	2-3	2-3	2000
	Bristol	16·7	-6	N	2	z	56	65	44	5	-	3	-	0	9+	-
	Portland Bill	16·7	+2	SE	2	°c	50	85	46	7	2	4	-	4-6	9	4000
	Plymouth	15·4	(2)	S'W	2	c	58	65	48	7	5	3	-	4-6	7-8	3000
	The Lizard	15·0	-2	ENE	4	c	53	85	49	8	8	2	-	7-8	10	2000
	Scilly (St. Mary's)	15·3	+2	ENE	3	c	56	85	50	6	2	3	.	2-3	9+	1800
	Guernsey															
6	Pembroke	17·0	+6	W'S	2	c	52	75	45	7	8	6	-	7-8	9+	3000
7	Holyhead (Valley)	16·8	0	NNE	4	c	53	75	46	5	5	7	-	4-6	10	2000
	Chester (Sealand)	18·5	+8	E'N	3	c	53	65	42	5	5	-	-	10	10	3000
8	Manchester	18·9	+8	E'N	5	c	51	75	44	6	7	-	-	4-6	10	2500
10	Spurn Head	20·9	+18	ENE	6	o	43	92	41	7	5	-	-	10	10	1500
	Catterick	23·4	+26	NE	3	ir₀	43	85	38	8	5	-	-	10	10	1400
	Tynemouth	24·6	+20	ENE	5	o/r	42	75	36	7	-	2	.	10	10	1200
11	St. Abbs Head	25·2	+14	NNE	3	bc/pr	41	75	33	7	5	4	-	4-6	4-6	3300
	Leuchars	25·6	+10	SE	4	c	46	65	33	9	7	3	9	4-6	7-8	3000
12	Renfrew (Abbots I.)	24·0	+8	E	5	c	46	65	36	8	2	7	-	9+	9+	1800
	Eskdalemuir	23·4	+10	NE'E	4	cr	42	85	38	8	6	2	-	7-8	10	1400
	Point of Ayre	20·8	+16	E'N	5	rr	45	92	43	7	6	2	-	4-6	10	2000
13A	Tiree	22·9	+4	E'S	2	c	50	65	40	9	5	-	.	9	9	3500
13B	Stornoway	26·4	+10	NE	5	bc	46	85	42	9	1	4	5	1	2-3	3500
15	Dalwhinnie	25·5	+10	E	3	c	44	65	32	8	5	6	-	7-8	9+	2500
	Aberdeen	26·9	+14	ENE	3	pr	44	65	32	8	8	-	-	9	9	1900
	Wick	27·6	+10	NNE	3	bc	42	65	31	9	1	-	-	2-3	2-3	4000
16	Sumburgh	27·5	+14	NNE	3	bc	41	45	34	9	7	-	1	2-3	4-6	3500
17	Blacksod Point	20·7	+2	N'E	5	bc	52	65	40	9	8	-	-	2-3	2-3	2500
18	Malin Head	21·7	+12	E'N	4	c	46	85	42	8	4	6	-	4-6	7-8	2500
	Aldergrove	21·0	+10	E'N	4	id₀	45	85	41	7	5	-	.	10	10	1200
19	Birr Castle	18·3	0	ENE	2	c	51	85		7	8	2	-	7-8	10	800
20	Valentia Obsy.	17·1	-2	NE'N	2	c	57	65	45	8	8	-	.	9	9	5700
	Roches Point	17·7	+4	SE	3	c	54	65	42	8	5	3	5	9	9	5700

OBSERVATIONS at 18h. G.M.T. 23rd 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. 23rd. (39)	Weather 13h.–18h. 23rd. (40)	Weather 18h. 23rd. to 1h. 24th. (41)	Weather 1h.–7h. 24th. (42)
London (Kew)	17·6	+10	E	4	b	52	55	37	6	-	-	-	0	0	-	0	*	zwmzy	cbz₀y	bbccz₀	cz₀
Croydon	17·3	+8	NE	4	b	50	65	39	6	S	-	-	Tr	Tr	1500	0	*	bczcz	cz₀ybz₀	bz₀cm₀c	c
S. Farnborough	16·7	+6	E	3	z₀	53	55	37	6	S	3	-	2-3	4-6	5000	0	*	bmzyypr	cz₀pr₀bc	bcczcm₀	cm₀c
Boscombe Down	16·0	+2	ES	4	z₀	55	65	43	6	S	-	-	9+	9+	3000	0	*	bc	cpr₀m₀	cir₀cm₀	bm₀
Thorney Island	16·2	+2	E	2	c	52	85	48	7	2	6	-	4-6	9+	2500	0	*	bm b	bcc	cbm₀bcm₀	bcm₀bw
Lympne	17·4	0	NNE	3	z₀	45	85	40	6	S	-	9	1	4-6	1000	0	§	bfzbz	bz₀bc	bccbcm₀	bcm₀cbc
Manston	17·9	+2	NNE	4	z₀	44	92	42	6	S	-	-	9+	9+	500	0	*	cfmbz₀	bz₀bccm₀	cm₀	cbcm₀
Shoeburyness	18·5	+6	NE'E	4	bc	45	85	42	5	S	3	-	2-3	4-6	900	0	*	cfwbcm	cm₀bcm₀	bcm₀	bcm₀
Felixstowe	18·6	+6	NE	5	z₀	44	85	39	6	S	-	-	10	10	4000	0	3	cm	cm₀	cm₀bcm₀	bcm₀c
Gorleston	20·3	+8	NE	5	c	42	92	40	7	S	-	-	10	10	1000	0	4	cfcz	cm₀c	cbcc	cq
Mildenhall	19·7	+14	NE	5	o	44	85	39	7	S	-	-	10	10	1500	0	*	czcy	cyc	cb	c
Cranwell	21·8	+14	NE'E	5	c	42	85	37	7	S	-	-	9+	10	800	0	*	czidm	cm₀	c	cpr₀
Birmingham	20·2	+10	ENE	4	ir₀	42	92	40	5	6	-	-	10	10	800	1	*	foc	oir₀	r₀o	oc
Upper Heyford	17·7	+14	NE	4	o/r	46	85	40	6	S	-	-	10	10	3100	0	*	cfcm	r₀r₀ir₀m₀	cm₀bc	bcm₀c
Ross-on-Wye	17·3	+6	ENE	4	id₀	47	85	42	6	S	-	-	10	10	800	1	*	czoz	omr₀m	crcq	cqc
Hartland Point	14·8	-2	NE	2	c	51	75	42	6	S	-	-	9+	9+	2500	0	2	cbcz	bcc	cbc	bbc
Bristol	16·6	0	NE	3	ir₀	52	75	46	5	S	2	-	7-8	10	2500	0	*	cmimz	cir₀fz₀	cm₀, cm₀	cm₀cw
Portland Bill	14·8	-2	E	2	bc	50	85	46	8	S	-	-	2-3	2-3	4000	1	2	c	b bc	bc	bbcc
Plymouth	14·6	-10	E	3	b	57	55	41	7	1	4	-	Tr	Tr	3500	0	3	bcmbc	bcb	b	bm₀
The Lizard	13·9	-4	ENE	2	bc	51	75	45	8	7	-	-	2-3	2-3	3500	0	3	c	bc	bc	cq
Scilly (St. Mary's)	14·2	-6	NE'E	3	bc	52	85	46	8	8	4	5	4-6	4-6	1200	0	2	c	cbcc	bcw	c
Guernsey																					
Pembroke	15·9	-2	NE	4	c	53	75	45	9	8	6	-	9	9+	3000	0	2	c	c	cm₀	bcc
Holyhead (Valley)	18·4	+6	NE'E	5	ir₀	47	85	42	5	S	2	-	7-8	10	2000	1	3	cz	cmir₀	cir₀m₀	cr₀mbc
Chester (Sealand)	21·0	+20	ENE	3	z₀	45	75	38	6	S	1	-	9	10	3000	1	*	cr₀rfz	cz₀	czbc	bcz₀
Manchester	20·9	+12	NE'E	4	c	42	85	37	6	S	-	-	10	10	1300	1	*	cfiz	m₀ir₀	cz₀	bcz₀b
Spurn Head	22·7	+16	ENE	6	c	42	75	36	7	S	3	-	4-6	7-8	1500	0	4	o	c	c	cjp
Catterick	25·1	+8	NE	3	c	42	65	31	8	S	-	-	9+	9+	1300	0	*	cmir₀	cir₀c	c	cjprc
Tynemouth	25·9	+4	ENE	5	c	42	75	34	8	8	-	-	9+	9+	1600	1	3	oir	c	c	cp₀
St. Abbs Head	26·1	+2	NNE	3	c	40	85	35	9	7	4	-	7-8	9	2500	1	2	orr cprbc	bcc	bcc	c
Leuchars	26·6	+2	E	3	c	43	75	34	8	1	-	-	7-8	7-8	3000	1	*	cr₀c	bc	bccy	cyc
Renfrew (Abbots I.)	25·1	+6	E	5	bc	46	55	29	8	1	-	5	2-3	2-3	3500	1	*	mcpr	cbcby	bybccbc	cbcc
Eskdalemuir	25·0	-6	NE'E	4	c	41	65	32	8	S	7	-	7-8	9	1700	1	*	cr₀r	cr₀r₀	bbcc	c
Point of Ayre	22·3	+12	E	4	c	45	85	40	7	6	1	-	4-6	10	2500	1	4	r₀rr	rrr₀r₀c	c	c
Tiree	24·2	+4	-	0	c	48	85	42	8	S	3	-	4-6	7-8	3500	0	3	c	c	cbcb	b
Stornoway	27·3	+6	NE	4	bc	46	75	40	9	1	4	2	Tr	2-3	3500	0	2	cbc	cbc	bcb	bb, c
Dalwhinnie	27·3	+6	ESE	2	c	43	65	41	8	7	-	-	7-8	7-8	2500	0	*	oc	c	*	cbc
Aberdeen	27·6	+6	ENE	3	bc	41	55	27	8	S	-	-	4-6	4-6	2600	1	3	bcpr	cbcy	bcbyc	cbc
Wick	28·7	+8	NE	3	b	40	65	28	9	4	-	-	1	1	4000	0	*	bc	bcbyb	b	bbc
Sumburgh	28·8	+8	ENE	2	bc	39	55	27	9	4	-	-	4-6	4-6	4000	0	2	bc	bcy	cbcyc	c
Blacksod Point	20·2	-2	NNE	5	b	51	75	44	8	8	-	-	1	1	2500	0	4	bc	bc	c	c
Malin Head	23·0	+10	ESE	5	c	47	85	43	8	5	-	-	9+	9+	2500	0	4	bc	c	c	bc
Aldergrove	22·4	+6	E'N	4	r₀r₀	43	85	39	7	8	2	-	4-6	10	900	0	*	idcoid₀	oid₀or₀r₀	r₀r₀ir₀id₀	cbcb
Birr Castle	18·2	+2	ENE	3	c	48	85	44	7	9	2	-	7-8	10	800	0	*	pr	c	*	pr
Valentia Obsy.	17·8	+2	ENE	3	c/pr	51	75	44	8	8	7	-	7-8	9+	4000	0	2	c	pr	bc	bc
Roches Point	16·8	-6	ESE	4	c	51	85	47	8	5	3	-	2-3	7-8	2500	0	3	bc	bc	bc	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Fresh easterly wind, fair or fine. Rather cold.
5 S.W. England; 6 South Wales	Fresh easterly wind. Cloudy at first, but later as 0-4. Rather cold.
7 North Wales; 8 N.W. England; 9 N. Midlands	As 0-4
10 N.E. England; 11 S.E. Scotland	Fresh easterly wind. Cloudy with local showers. Rather cold
12 S.W. Scotland & Isle of Man; 13A W. Scotland	As 0-4
13B N.W. Scotland	Moderate to fresh southeasterly winds. Fair or fine. Temperature rather below average.
14 Mid Scotland; 15 N.E. Scotland	As 0-4.
16 Orkneys and Shetlands	Moderate southwesterly winds. Cloudy with some showers. Average temperature.
17 N.W. Ireland; 18 N.E. Ireland	As 0-4
19 S.E. Ireland; 20 S.W. Ireland	As 5-6

GENERAL INFERENCE

Pressure is high in a belt from North Scotland to South Scandinavia, the British Isles lying in an easterly current of cold relatively dry air. Weather mainly fine, with local showers on East coast. Rather colder than of late.

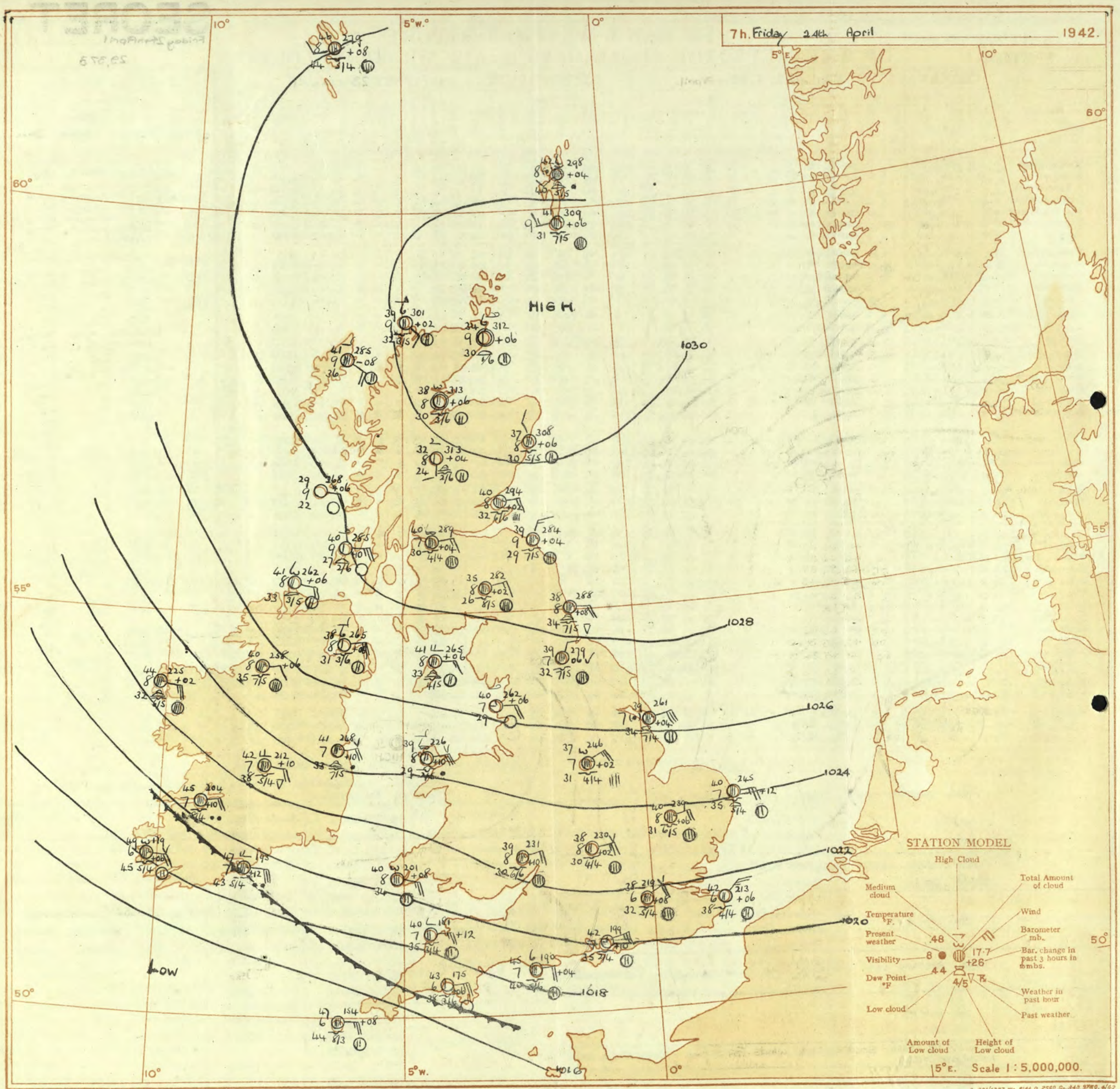
FURTHER OUTLOOK

Little change.

Forecasts issued at 10·30 G.M.T.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

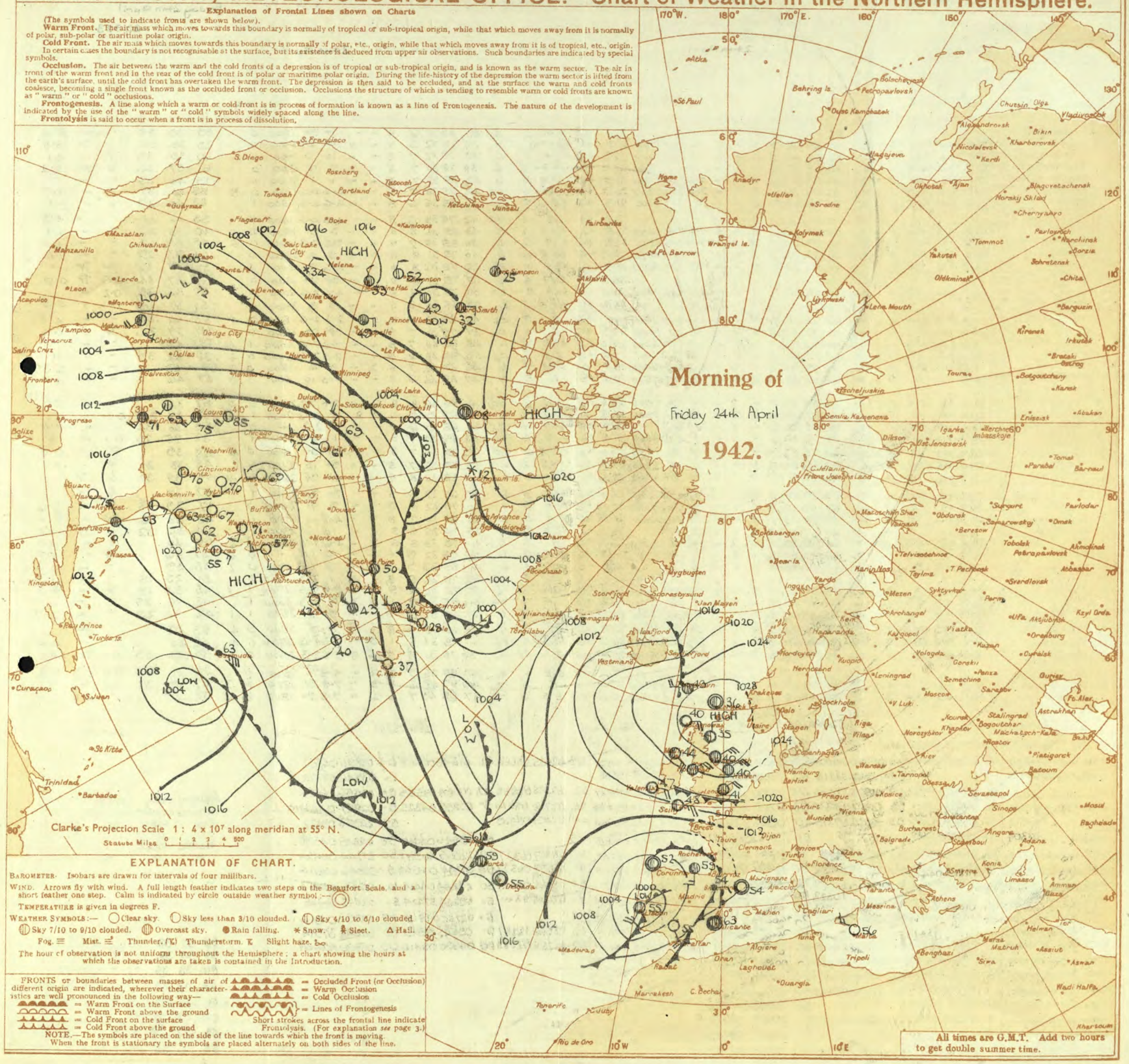
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 24th April 1942

No. 29,373

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	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon	290	21·0	+10	NE	2	c	41	85	37	7	5	–	–	10	10	1700
	S. Farnborough	226	21·0	+14	NE	4	z0	42	85	40	5	5	–	–	10	10	1000
	Boscombe Down	417	20·2	+10	ENE	4	z0	43	85	37	6	5	–	–	10	10	800
	Thorney Island	10	19·1	+8	NE	5	z0	43	85	39	6	5	–	–	7-8	7-8	1500
	Lympne	283	20·7	+10	NNE	4	z0	41	92	38	6	5	–	–	2-3	2-3	800
	Manston	154	21·1	+14	NNE	4	z0	42	85	38	5	5	–	–	9	9	1300
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	22·2	+12	NE'N	4	z0	40	85	36	6	5	–	–	7-8	7-8	1600
	Gorleston	5	23·2	+10	ENE	5	c	40	85	36	7	5	–	–	7-8	7-8	1500
	Mildenhall	15	23·4	+14	NNE	3	b	35	85	33	7	5	–	–	1	1	4000
	Cranwell	203	24·9	+10	NE	4	c	38	75	32	7	5	–	–	9+	9+	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·7	+16	NE	4	bc	37	85	33	7	5	–	–	4-6	4-6	1300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·8	+10	ENE	4	bc	46	85	40	7	5	–	–	2-3	2-3	2500
	Bristol	209	21·3	+14	E'N	4	z0	41	85	37	6	5	2	–	9	10	1400
	Portland Bill	32	18·6	+24	ENE	4	bc	46	92	44	7	5	–	–	2-3	2-3	4000
	Plymouth	82	16·6	+2	E'N	5	b	48	75	41	7	–	–	–	0	0	–
	The Lizard	240	15·5	+6	ENE	5	bc	48	85	44	8	7	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	14·9	+2	E	5	bc	48	85	43	7	5	3	3	1	4-6	1500
	Guernsey	175															
6	Pembroke	142	18·8	+8	E'N	5	c	46	85	43	7	–	2	–	7-8	9+	2500
7	Holyhead (Valley)	32	21·4	+8	NE	5	r0	41	85	39	6	5	2	–	9+	10	2500
	Chester (Sealand)	16	24·6	+10	E'N	3	z0	39	65	30	6	–	7	–	0	4-6	–
8	Manchester	235	25·0	+14	NE'E	4	c	38	75	30	6	5	3	–	1	7-8	2000
10	Spurn Head	29	25·4	+10	NE	5	c	40	75	32	7	7	–	–	9+	9+	1500
	Catterick	175	27·4	+6	NE	2	c	39	65	28	7	5	–	–	10	10	2300
	Tynemouth	108	27·9	+6	NE	5	c	40	75	31	7	5	–	–	9+	9+	1500
11	St. Abbs Head	280	27·8	+8	NNE	4	c	39	55	28	8	5	–	–	10	10	2500
	Leuchars	36	29·2	+8	E	2	c	40	55	25	8	5	–	–	9+	9+	3600
12	Renfrew (Abbots I.)	19	28·5	+12	NE	3	c	39	65	28	8	5	–	–	7-8	7-8	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	25·5	+12	SE'E	4	c	42	75	36	8	6	2	–	7-8	10	2000
13A	Tiree	22	26·2	+8	SSE	1	b	38	85	33	8	–	4	–	0	Tr	–
13B	Stornoway	80	29·5	+8	E	4	b	40	85	35	8	–	–	–	0	0	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	30·2	+8	N	2	c	35	75	27	8	5	–	–	7-8	7-8	3500
	Wick	114	30·7	+6	E'S	2	b	32	85	28	8	–	4	–	0	Tr	–
16	Sumburgh	19	30·4	+6	–	0	c	36	75	27	8	5	7	–	7-8	10	3500
17	Blacksod Point	18	22·5	+10	ESE	5	c	48	85	44	7	8	–	–	9+	9+	1500
18	Malin Head	84	25·7	+10	SE'E	5	bc	44	85	40	8	4	3	–	2-3	4-6	2500
	Aldergrove	268	25·9	+12	E	4	bc	39	75	32	8	5	–	–	2-3	2-3	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·0	+2	E'N	4	z0	47	92	45	6	1	–	–	2-3	2-3	2500
	Roches Point	22	18·1	+6	ENE	3	z0	48	85	44	6	5	–	–	7-8	7-8	1500

OBSERVATIONS at 7 hr. 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)	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)	22·1	+6	NE	4	z0	40	65	31	6	5	–	–	9+	9+	2500	0	*
Croydon	21·9	+8	NE	4	c	38	75	32	6	5	–	–	7-8	10	1000	0	*
S. Farnborough	22·3	+14	ENE	4	c	39	75	?2	7	5	–	–	10	10	1500	1	*
Boscombe Down	21·9	+20	ENE	5	c	38	75	30	7	5	–	–	9	9	1200	0	*
Thorney Island	19·9	+10	NE'E	5	b	42	75	35	7	5	–	–	1	1	1500	0	*
Lympne	20·9	+6	NE	4	bc	42	75	35	7	5	–	–	4-6	4-6	1200	0	5
Manston	21·3	+6	NE'N	5	z0	42	85	36	6	5	–	–	4-6	4-6	1500	1	*
Shoeburyness	22·1	+8	NE	4	bc	42	75	35	6	5	–	–	4-6	4-6	1400	0	*
Felixstowe	22·5	+2	NE'N	4	c	43	85	38	8	5	–	–	9	9	1500	0	4
Gorleston	24·5	+12	ENE	5	c	40	85	35	7	7	–	–	7-8	7-8	1000	0	5
Mildenhall	23·9	+6	NE'E	4	c	40	75	31	8	5	–	–	9	9	2500	0	*
Cranwell	25·3	+2	NE'E	4	pr	39	75	32	8	8	–	–	4-6	9	1500	0	*
Birmingham	24·3	+6	ENE	4	c	38	75	31	6	9	–	–	9+	9+	1500	0	*
Upper Heyford	23·0	+2	ENE	5	bc	38	75	30	8	5	–	–	4-6	4-6	2000	0	*
Ross-on-Wye	23·1	+10	NE'E	4	c	39	65	30	8	5	–	–	9	9	3500	1	*
Hartland Point	18·1	+20	E	5	bc	40	85	35	7	5	1	–	2-3	4-6	1500	0	4
Bristol	22·9	+12	E	4	c	37	75	31	7	5	–	–	9+	9+	1800	0	*
Portland Bill	19·0	+4	ENE	4	c	45	86	40	7	5	4	–	7-8	7-8	4000	1	4
Plymouth	17·5	+6	E'N	5	z0	43	85	38	6	5	–	–	2-3	2-3	4000	0	4
The Lizard	15·5	0	ENE	7	c	46	85	42	7	8	2	–	9	10	1500	0	5
Scilly (St. Mary's)	13·4	+8	E	5	c	47	85	44	6	5	–	–	10	10	800	0	3
Guernsey																	
Pembroke	20·4	+10	E'N	6	cq	41	85	36	8	8	6	–	7-8	9+	2500	0	3
Holyhead (Valley)	22·6	+10	ENE	6	c	39	65	29	8	4	7	8	1	4-6	2000	1	4
Chester (Sealand)	25·5	+8	ENE	1	z0	40	65	30	6	–	–	1	0	2-3	–	0	*
Manchester	25·8	+6	ENE	3	bc	39	65	29	7	5	–	–	1	2-3	2000	1	*
Spurn Head	26·1	+4	NE'E	6	jp	39	75	34	7	3	–	–	9+	9+	1500	0	4
Catterick	27·9	+6	NNE	2	c	39	75	32	7	5	–	–	9+	10	2200	1	*
Tynemouth	28·8	+8	E	4	c	38	85	34	8	8	–	–	9+	9+	2600	1	4
St. Abbs Head	28·4	+4	NNE	3	c	39	65	29	9	5	–	–	9+	9+	2500	1	3
Leuchars	29·4	+2	ENE	3	c	40	75	32	8	9	–	–	9	9	3000	0	*
Renfrew (Abbots I.)	28·9	+4	E'N	3	c	40	65	30	7	5	7	–	4-6	10	1600	1	*
Eskdalemuir	28·2	+2	NE'E	3	c	35	75	26	8	5	–	–	10	10	2800	1	*
Point of Ayre	26·5	+6	E	3	c	41	75	33	8	8	2	–	4-6	7-8	2500	1	4
Tiree	27·5	+6	ESE	2	b	29	75	32	9	–	–	–	0	0	–	0	4
Stornoway	28·5	-8	SE	4	c	41	85	36	9	–	–	8	0	7-8	–	0	2
Dalwhinnie	31·3	+4	S	1	bc	32	75	24	8	8	–	5	1	2-3	4000	1	*
Aberdeen †	30·8	+6	NNW	1	c	37	75	30	8	5	–	–	7-8	7-8	2500	1	1
Wick	31·2	+6	–	0	bc	34	85	30	9	1	4	2	Tr	2-3	3000	1	*
Sumburgh	30·9	+6	W'S	3	c	41	65	31	9	5	–	–	9+	9+	2500	1	1
Blacksod Point	22·5	+2	E'S	5	c	44	65	33	8	8	–	–	9	9	2500	0	4
Malin Head	26·2	+6	ESE	4	bc	41	75	34	8	1	5	–	2-3	4-6	2500	0	4
Aldergrove	26·5	+6	E'N	3	bc	39	75	31	8	5	4	8	2-3	2-3	3500	0	*
Birr Castle	21·2	+10	ESE	4	c	42	85	38	7	5	2	–	7-8	10	1500	0	*
Valentia Obsy.	17·9	+6	E	4	z0	49	85	45	6	5	3	–	7-8	9+	1500	0	3
Roches Point	19·3	+12	E'S	6	?/r	47	85	43	7	6	2	–	7-8	9+	1500	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 23rd Hrs. (38)
London (Kew)	59	39	38	–	–	2·6
Croydon	59	38	38	–	Tr	5·8
S. Farnborough	60	39	39	Tr	–	4·1
Boscombe Down	61	37	36	Tr	Tr	5·2
Thorney Island	54	40	38	*	–	*
Lympne	55	40	37	–	–	10·7
Manston	53	40	39	Tr	–	9·1
Shoeburyness	53	41	41	–	–	4·3
Felixstowe	50	38	36	–	–	1·1
Gorleston	45	39	37	–	–	0·0
Mildenhall	58	34	29	–	–	1·4
Cranwell	51	37	32	Tr	Tr	*
Birmingham	52	37	34	0·3	Tr	0·0
Upper Heyford	57	36	35	0·2	–	*
Ross-on-Wye	51	37	35	0·1	1	0·0
Hartland Point	53	40	39	–	–	4·4
Bristol	56	37	36	Tr	1	0·0
Portland Bill	52	44	*	–	–	*
Plymouth	59	42	39	–	–	11·7
The Lizard	55	45	*	–	–	6·3
Scilly (St. Mary's)	57	46	*	–	–	4·7
Guernsey						
Pembroke	57	34	*	–	–	2·7
Holyhead (Valley)	55	38	36	0·1	1	*
Chester (Sealand)	58	36	34	1	–	0·0
Manchester	52	35	29	0·1	–	*
Spurn Head	45	39	*	Tr	–	0·0
Catterick	48	38	31	Tr	–	0·0
Tynemouth	44	38	37	3	Tr	*
St. Abbs Head	42	37		4	–	
Leuchars	47	39	35	1	–	5·6
Renfrew (Abbots I.)	43	38	36	0·3	–	5·4
Eskdalemuir	44	34	32	1	Tr	1·2
Point of Ayre	46	40	*	3	–	0·0
Tiree	52	36	*	Tr	–	1·7
Stornoway	48	39	*	–	–	1·2
Dalwhinnie	51	23	15	–	–	1·3
Aberdeen †	45	34	29	Tr	–	5·0
Wick	43	26	25	–	–	*
Sumburgh	42	34	26	–	–	7·7
Blacksod Point	53	42	*	–	–	
Malin Head	48	40		–	–	0·0
Aldergrove	49	36	33	0·1	Tr	0·1
Birr Castle	55	41	39	0·6	0·3	0·3
Valentia Obsy.	57	45	38	0·2	Tr	*
Roches Point	55	47	*	–	0·6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 23rd April IIIC_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
1010	00952	32302	00	00990	04301	00	00990	00000	03	01890	18105
11554	01953	08484				54	01953	12214	54	01953	12214
203			10	00952	04422	00	00990	12400	00	00990	12310
208-	02955	07585	50	00951	08411	53	01863	06214	53	01863	00014
2110	[illegible]	04313	10	01964	04304	53	01952	07213	10	01961	07204
2253	[illegible]	08304	53	01954	12215				50	01954	12204
237-	02965	04225	53	01964	08215	50	00861	06111	10	00961	06102
2483	01943	07463	74	00973	06413	5-	03768	06228	8-	10957	08327
2652	02844	04467	10	01863	04413	5-	02756	03327	5-	02855	04417
2872	81965	43688	57	22964	26468	53	01962	10323	50	00961	09602
2762	62635	06568	51	01853	06664	50	00863	05513	70	02865	04525
286-	62628	08568							27	26635	08488
2852	526-5	05458	8-	02834	05427	5-	02767	04427	5-	01867	06337
578-	02856	08266	5-	51648	08328	5-	02748	08428	5-	01857	08227
3057	22644	09368	52	02747	09568	00	05690	08403	00	00790	08402
325-	02747	05467	5-	02748	04428	5-	02758	03328	57	01864	01428
295-	03748	04425	80	01754	04514				51	25755	04466
295-	02748	41428	52	02955	40327	5-	02857	05227	5-	01957	05227
310--	02628	04528							--	01635	08615
615-	05655	04328	5-	05635	04428	5-	05646	06426	53	02744	04526

13h. G.M.T. 23rd April IIIC_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
3351	02765	08828	62	62645	08668	52	61646	06668	04	01890	04523
334--	63437	18188							-	03546	08228
3460-	05667	08427	62	62645	07568	83	02764	08565	5-	02856	06526
136-	02734	06428	5-	02746	05626	5-	02855	04325	5-	02857	04427
3367	02754	20858	--	67309	08469				57	02754	08427
3506-	17867	06227				5-	05646	04416	50	02845	04525
3685-	05577	04227	5-	08467	06327	57	22555	40567	50	01744	06424
3795-	05687	08857	5-	51657	06527	50	01744	06564	5-	02846	06626
3903	05663	10367	53	05664	06427	50	05644	04414	10	01743	06413
3827-	05667	09327	5-	62655	53xxx	5-	05644	37424	5-	02845	36425
4380	43850	49652				5-	02755	04515	57	02854	04516
4310	05664	14314	86	15666	12287	5-	05645	41515	50	05644	37514
4095-	02755	03817	50	01763	02283	00	05690	08410	00	05690	42601

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
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	mowm2oy	cb2oy	bc2oc2o
Croydon	bc2oc2o	c2oyb2o	b2ocr6c
Greenwich	cby	bcby	bc
Camden Square	c	c	*
Kensington	bczbc	bcc2	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time
Min. Time

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	59	39	38	–	–	2·6	*	*
Croydon	59	38	38	–	Tr	58	*	*
Greenwich	59	38	38	–	–	5·8	55	
Westminster	60	40	39	*	–	*	57	60
Regents Park	61	40	39	–	–	*	57	58
Camden Square	62	39	38	–	–	*	*	56
Kensington	62	44	38	–	–		61	60
Hampstead	58	36	33	–	–	*	*	67

BRITISH SECTION

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

SECRET

Saturday 25th April 1942

No. 23,374

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)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20.3	-18	NNE	5	b	52	35	27	7	-	-	1	0	1	-
	Croydon ...	20.0	-18	NE'E	5	bc	51	45	30	8	-	-	2	0	2-3	-
	S. Farnborough	19.7	-18	NE	5	b	53	75	44	7	-	-	-	0	0	-
	Boscombe Down	19.6	-18	E'N	5	b	54	75	42	8	-	-	-	0	0	-
	Thorney Island	18.1	-18	NE'E	5	b	55	45	35	8	-	-	-	0	0	-
	Lympne ...	20.2	-10	NNE	5	b	47	65	38	8	1	-	-	1	1	4000
	Manston ...	20.5	-12	NNE	6	z	45	68	37	6	5	-	-	4-6	7-8	1800
2	Shoeburyness ...	21.6	-6	NE	4	b	48	65	38	7	-	-	-	0	0	-
	Felixstowe ...	21.7	-10	NE	5	b	47	55	34	8	5	-	-	Tr	Tr	2500
	Gorleston ...	24.5	-8	E	5	c	41	65	32	7	7	-	-	7-8	7-8	2000
	Mildenhall ...	23.1	-10	NNE	4	bc	48	55	34	8	5	-	-	2-3	2-3	2500
	Cranwell ...	25.2	-10	NE'E	5	c	41	65	31	8	5	-	-	9+	9+	2300
3	Birmingham ...	23.7	-4	ENE	4	c	48	65	31	6	5	-	-	9+	9+	2000
	Upper Heyford	21.7	-10	NE	5	b	48	55	32	8	7	-	-	1	1	2800
4	Ross-on-Wye	21.7	-10	ENE	4	bc	48	55	32	8	1	-	-	2-3	2-3	4000
5	Hartland Point	17.3	-14	NNE	4	b	48	65	36	8	-	-	-	0	0	-
	Bristol ...	20.7	-18	ENE	5	b	52	45	33	8	1	-	-	Tr	Tr	4000
	Portland Bill	17.5	-20	ENE	4	c	51	85	47	8	5	-	-	7-8	7-8	4000
	Plymouth	16.0	-14	E	5	b	54	55	38	7	1	-	-	Tr	Tr	4000
	The Lizard ...	15.1	-4	ENE	6	bc	48	75	42	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	16.3	-8	E	5	c	48	85	44	7	5	-	-	7-8	7-8	1200
	Guernsey ...															
6	Pembroke ...	19.9	-6	E'N	5	bc	52	65	41	8	2	-	-	2-3	2-3	3000
7	Holyhead (Valley)	22.0	-8	ENE	6	bc	51	45	31	7	-	-	8	0	4-6	-
	Chester (Sealand)	24.1	-12	E	4	bc	48	45	31	6	5	-	-	4-6	4-6	2500
8	Manchester ...	24.7	-10	NE'E	5	bc	46	65	33	7	4	-	-	4-6	4-6	3000
10	Spurn Head ...	26.0	-6	NE'N	5	c	43	65	32	7	5	-	-	9	9+	2500
	Catterick ...	27.7	0	NE	3	c	42	65	31	8	5	-	-	10	10	2500
	Tynemouth ...	28.8	0	E	4	c/pr	41	75	35	8	8	-	-	9+	9+	2600
11	St. Abbs Head	29.4	0	NE	3	c/pr	39	75	31	9	5	2	-	4-6	10	2500
	Leuchars ...	29.9	-2	ENE	3	c/pr	44	65	33	8	8	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	28.6	-6	E	4	c	45	55	30	8	5	-	-	9+	9+	2500
	Eskdalemuir ...	27.8	-4	ENE	4	c	42	65	30	8	5	-	-	9	10	2800
	Point of Ayre...	26.2	-4	ESE	3	c	49	55	35	8	7	-	-	9	9	5000
13A	Tiree	27.2	-10	SE'E	2	b	47	65	34	9	1	-	-	1	1	3500
13B	Stornoway ..	29.4	-4	E	2	bc	47	75	38	9	-	-	8	0	2-3	-
15	Dalwhinnie ...	29.3	+2	E	3	bc	49	45	29	8	8	-	-	2-3	2-3	4000
	Aberdeen ...	31.1	-2	ENE	4	bc	44	55	29	9	1	-	5	4-6	4-6	3200
	Wick ...	31.8	+6	ESE	2	bc	45	65	35	9	1	8	5	2-3	4-6	3000
16	Sumburgh ...	32.2	+8	SW	2	r.r.	45	85	81	8	5	-	-	9+	9+	2000
17	Blacksod Point	22.3	-2	E	5	bc	51	65	40	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	26.7	0	E'S	5	bc	46	65	35	8	4	4	-	2-3	2-3	4000
	Aldergrove ...	26.4	-6	E'S	4	c	46	55	32	8	7	-	-	7-8	7-8	3200
19	Birr Castle ...	21.7	-4	SE	3	c	50	65	39	7	5	-	5	4-6	9	2500
20	Valentia Obsy.	10.7	-10	E	5	bc	53	65	42	7	5	4	-	2-3	4-6	4000
	Roches Point	18.8	-2	E	5	c	47	75	39	8	5	-	-	9	9	1500

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

District	Stations (For heights see p. 4.)	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)	18.8	-2	NE	5	bc	50	45	30	7	5	3	4	4-6	4-6	4000	0	*
	Croydon ...	18.5	-6	ENE	4	bc	49	55	32	7	5	-	-	4-6	4-6	4500	0	*
	S. Farnborough	17.6	-10	ENE	5	b	51	45	29	7	-	-	-	0	0	-	0	*
	Boscombe Down	17.6	-6	ENE	5	b	51	45	28	8	-	-	-	0	0	-	0	*
	Thorney Island	16.5	-2	NE	6	b	52	55	36	8	-	-	-	0	0	-	0	*
	Lympne ...	18.0	-14	NNE	6	b	43	85	38	7	5	-	-	Tr	Tr	1200	0	§5
	Manston ...	18.5	-14	NE'N	5	z	43	85	39	6	5	-	-	1	1	600	0	*
2	Shoeburyness ...	19.6	-10	NE'N	5	c	45	65	35	7	5	-	-	7-8	7-8	3500	0	*
	Felixstowe ...	19.7	-12	NE	5	bc	45	85	40	8	-	4	-	0	2-3	-	0	4
	Gorleston ...	22.0	-16	NE	5	b	43	75	37	7	-	-	-	0	0	-	0	4
	Mildenhall ...	21.6	-2	NE'N	4	c	45	65	33	8	5	-	-	9-	9	4000	0	*
	Cranwell ...	23.8	-6	NE	5	bc	40	65	31	8	5	-	-	4-6	4-6	2500	0	*
3	Birmingham ...	21.4	-8	ENE	5	bc	42	55	28	8	5	-	-	2-3	2-3	2500	0	*
	Upper Heyford	20.4	-2	NE'N	5	b	44	65	33	8	1	-	-	Tr	Tr	3500	0	*
4	Ross-on-Wye	19.9	-6	ENE	4	b	48	55	30	8	1	-	-	Tr	Tr	4000	0	*
5	Hartland Point	15.4	-4	ENE	4	b	49	65	39	8	-	-	-	0	0	-	0	4
	Bristol ...	19.1	-4	ENE	5	b	48	55	33	8	-	-	1	0	Tr	-	0	*
	Portland Bill	15.6	-6	E	4	c	50	85	46	8	5	-	-	7-8	7-8	4000	1	4
	Plymouth	14.8	-10	E'N	6	b	56	45	44	7	-	-	1	0	1	-	0	4
	The Lizard ...	13.2	-8	ENE	5	bc	51	75	42	7	4	-	-	2-3	2-3	2500	0	4
	Scilly (St. Mary's)	13.2	-12	E'N	5	b	52	75	43	7	-	-	-	0	0	-	0	
	Guernsey ...																	
6	Pembroke ...	17.9	-2	E'N	5	bcq	52	65	38	8	2	-	-	2-3	2-3	3000	0	3
7	Holyhead (Valley)	20.2	-6	ENE	6	z	47	55	33	6	-	3	1	0	2-3	-	0	4
	Chester (Sealand)	22.5	-6	ENE	3	z	47	55	30	6	-	4	1	0	Tr	-	0	*
8	Manchester ...	22.1	-14	NE	5	bc	44	65	31	8	4	-	1	Tr	2-3	7200	0	*
10	Spurn Head ...	24.0	-12	NE	5	c	41	75	33	7	1	7	-	2-3	7-8	2500	0	4
	Catterick ...	26.4	-2	NE	3	c	40	65	29	8	5	-	-	9+	9+	3500	0	*
	Tynemouth ...	27.6	0	ENE	4	c	40	75	34	8	8	-	-	9	9	2300	0	3
11	St. Abbs Head	28.2	-8	NE	4	c	39	65	29	9	5	-	-	9+	9+	2000	0	4
	Leuchars ...	28.8	-10	ENE	4	c	42	65	32	8	8	-	-	9	9	2500	1	*
12	Renfrew (Abbots I.)	27.2	-6	NE'E	4	bc	42	55	29	8	5	-	2	2-3	4-6	3000	0	*
	Eskdalemuir ...	26.3	-6	NE'E	4	c	39	65	29	8	5	-	-	9	9	2800	0	*
	Point of Ayre...	23.8	-8	E'N	6	b	44	65	34	8	-	4	-	0	1	-	0	5
13A	Tiree	25.6	-8	NNE	1	b	46	75	38	9	-	-	5	0	Tr	-	0	3
13B	Stornoway ..	28.0	-2	ENE	5	bc	49	75	40	8	1	4	1	Tr	4-6	3500	0	3
15	Dalwhinnie ...	28.3	-6	E	3	bc	46	55	28	8	8	4	-	1	2-3	4000	0	*
	Aberdeen ...	30.2	-4	ENE	4	bc	42	65	30	8	1	-	6	4-6	4-6	3400	0	3
	Wick ...	31.2	-4	ESE	2	c	43	75	36	9	5	-	-	7-8	7-8	3000	0	*
16	Sumburgh ...	31.7	0	E'N	2	c	45	85	41	9	8	3	-	2-3	9	2000	1	2
17	Blacksod Point	20.4	-10	ESE	5	bc	51	65	40	8	8	-	-	2-3	2-3	2500	0	4
18	Malin Head ...	24.4	-12	E'S	5	bc	46	65	35	8	8	-	1	1	2-3	4000	0	4
	Aldergrove ...	24.1	-10	E	4	b	46	55	31	8	1	-	5	Tr	1	4000	0	*
19	Birr Castle ...	19.9	-8	SE	4	c	49	65	38	7	-	-	5	0	7-8	-	0	*
20	Valentia Obsy.	16.5	-12	SE	4	b	54	55	39	8	1	4	-	Tr	Tr	2500	0	2
	Roches Point	18.0	-10	E	6	b	49	65	38	8	-	-	-	0	0	-	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h.—1h. (41)	Weather. 1h.—7h. (42)
1	London (Kew)	cb cz by	b bcy	bcbbc	b, cwcz
	Croydon ...	cz b	by bcy	cbz bm	bmocmo
	S. Farnborough	cbcb	by	byb	bbcocmo
	Boscombe Down	cbc	by	b	bbc
	Thorney Island	cbwb	bby	byb	b
	Lympne ...	bcb	bbcb	bbmo	bmo
	Manston ...	bcz	bcczbm	bmob	bbmozwmo
2	Shoeburyness ...	bcmbm	bbcc	cbc	b
	Felixstowe ...	cbcby	byb	b	b
	Gorleston ...	cy	cbcb	cbcb	cbcq
	Mildenhall ...	cbcby	bybbcc	cb	bw
	Cranwell ...	cpnc	c	bcb	bmoxk
3	Birmingham ...	c	cbc	bcb	bc, m
	Upper Heyford	bcb	by	bbc	bccbmo
4	Ross-on-Wye	cbcy	bay	bbc	co
5	Hartland Point	bcb	b	bbcb	bbc
	Bristol ...	bcbcby	by	byb	b, ccmw
	Portland Bill	c	c	bcb	bcbc
	Plymouth	bmb	by	b	bbc
	The Lizard ...	cbc	cbc	bc	bc
	Scilly (St. Mary's)	c	cbcb	b	bbcc
6	Pembroke ...	bc	bcq	bcbq	bcq
7	Holyhead (Valley)	bczy	bcbz	bbcb	bmo
	Chester (Sealand)	cbczy	bczyb	bbcz	bczomo
8	Manchester ...	bc	bcb	b	bw
10	Spurn Head ...	cq	c	b	b
	Catterick ...	cinc	c	cbbw	bwbxm
	Tynemouth ...	cp	c	cbc	b
11	St. Abbs Head	cpnpscpn	c	bcc	cb cb
	Leuchars ...	cipccpc	cpnc	cbcc	c
12	Renfrew (Abbots I.)	cy	cybcy	bccycb	bcmo
	Eskdalemuir ...	cv	cv	c	cbc
	Point of Ayre...	cy	cbcb	bcbzb	b
13A	Tiree	bcb	b	b	b
13B	Stornoway ..	bc	bc	b	bbc
15	Dalwhinnie ...	bc	bcy	*	bcc
	Aberdeen ...	bcy	bcy	bc	abc
	Wick ...	be	cv	bc	bcc
16	Sumburgh ...	ccccc	ccccc	cbcb	b
17	Blacksod Point	bc	bc	bcb	b
18	Malin Head ...	bc	b	bbcc	bc
	Aldergrove ...	bccy	bcyby	bybc	c, bbcb
19	Birr Castle ...	c	c	*	bc
20	Valentia Obsy.	bc	bc	bcb	bc
	Roches Point	bc	bc	bcb	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 25th April, 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate or fresh east wind, strong locally on coasts. Fair or fine. Cool.
5 S.W. England	Moderate or fresh east wind, strong on coasts. Fair or fine at first. Perhaps local rain later. Cool.
6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate east to S.E. wind fresh on coasts. Fine. Cool.
10 N.E. England 11 S.E. Scotland	Moderate east to S.E. wind. Fair. Cloudy periods. Cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	As 7-9.
15 N.E. Scotland	As 10-11.
16 Orkneys and Shetlands	Light variable winds. Fine. Average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland	As 7-9.
20 S. W. Ireland	As 5.

GENERAL INFERENCE

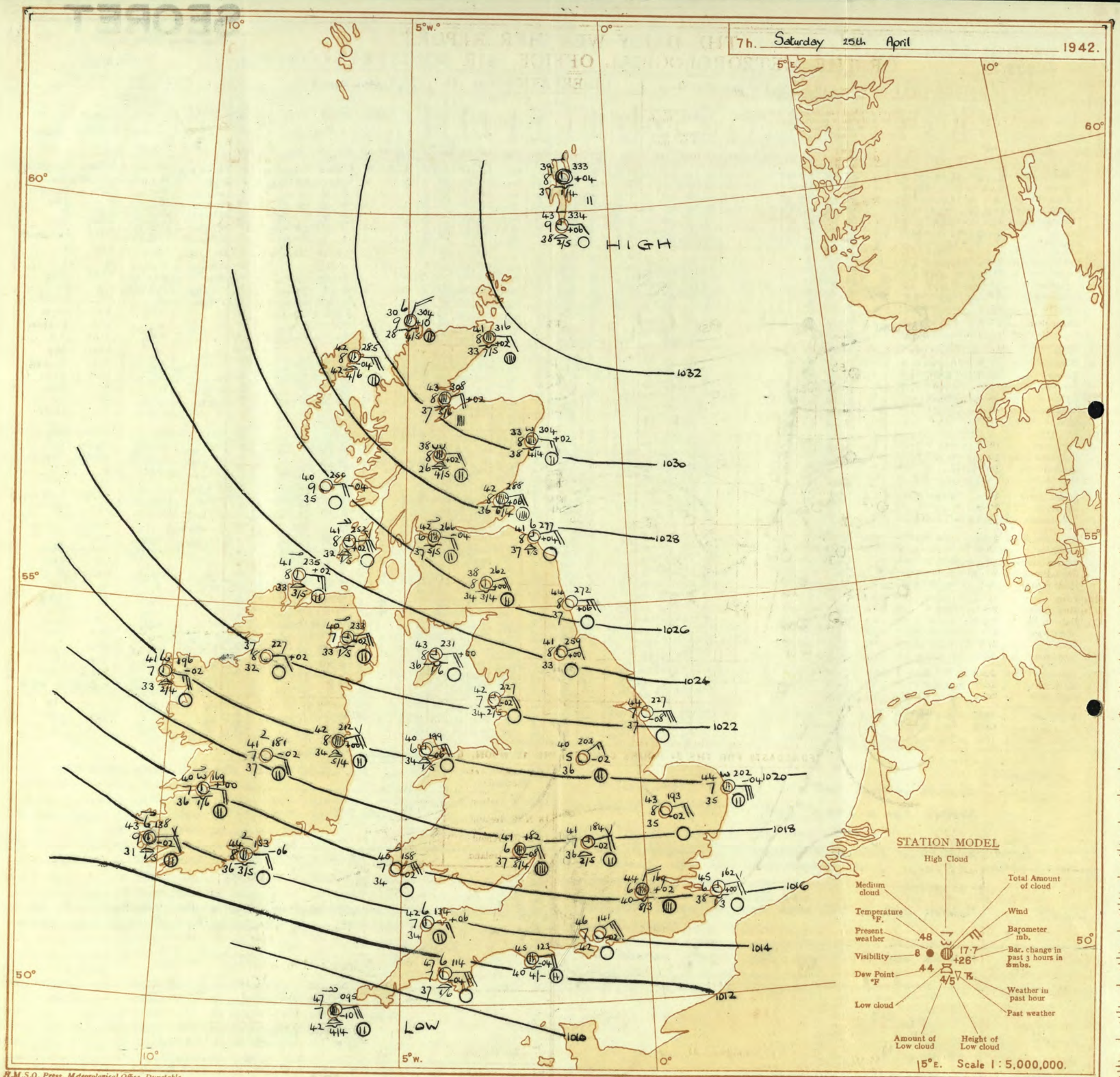
An anticyclone is centred east of Shetlands. Weather will be fair or fine but cool. There is a possibility of local rain later in S.W. England.

FURTHER OUTLOOK

Little change.

Forecasts issued at 10.30. G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

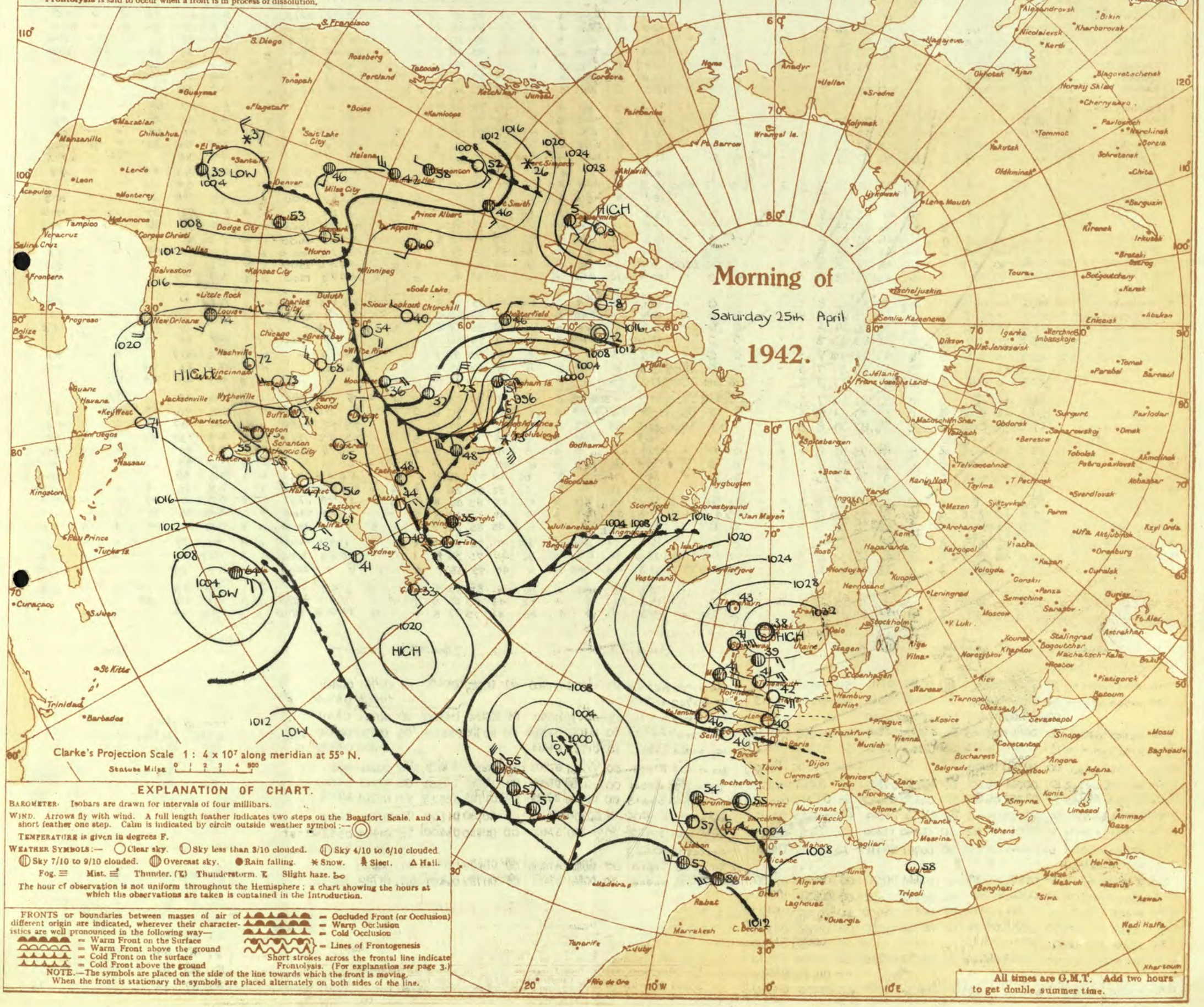
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 25th April 1942

No. 29,374

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	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·5	-8	NNE	4	b	40	85	36	6	-	-	-	0	0	-
	S. Farnborough	226	18·3	-10	NNE	2	b	39	85	33	7	-	-	-	0	0	-
	Boscombe Down	417	17·8	-10	NE'E	5	b	38	75	30	7	-	-	-	0	0	-
	Thorney Island	10	16·1	-8	NE	5	b	43	75	37	7	-	-	-	0	0	-
	Lympne ..	283	17·4	-6	ENE	4	Z_0	45	85	39	6	-	-	-	0	0	-
	Manston ...	154	17·2	-10	ENE	4	b	45	85	41	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·9	-14	NE	4	b	44	92	41	7	-	-	-	0	0	-
	Gorleston ...	5	20·9	-10	E'N	5	b	45	85	39	7	-	-	-	0	0	-
	Mildenhall ...	15	20·2	-14	NE'N	3	b	38	97	37	7	-	-	-	0	0	-
	Cranwell ...	203	22·6	-10	NNE	3	b	35	97	35	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	-12	NE	5	bc	37	92	35	7	5	3	-	2-3	2-3	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·6	-8	NE	4	b	41	65	29	7	-	-	-	0	0	-
	Bristol ...	209	19·5	-6	E	2	b	36	85	33	7	-	-	-	0	0	-
	Portland Bill ...	32	14·8	-14	ENE	4	b	46	85	42	8	-	-	-	0	0	-
	Plymouth ...	82	13·7	-18	ENE	6	bc	42	75	33	8	-	-	2	0	2-3	-
	The Lizard ...	240	12·6	-10	NE'E	6	bc	45	75	38	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	12·5	-10	E'N	6	b	46	75	38	7	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	18·2	-6	NE'E	5	bq	39	85	35	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	21·1	-4	ENE	5	b	37	75	29	7	-	-	-	0	0	-
	Chester (Sealand)	16	23·4	-6	E'N	1	Z_0	35	75	29	6	-	-	1	0	Tr	-
8	Manchester ...	235	23·5	-10	NE	5	b	35	85	30	8	-	-	-	0	0	-
10	Spurn Head ...	29	23·9	-4	E'S	5	b	42	92	40	7	-	-	-	0	0	-
	Catterick ...	175	26·9	+2	N	1	b	34	85	31	7	5	-	-	Tr	Tr	2500
	Tynemouth ...	108	27·5	+0	ENE	5	bc	41	85	37	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	28·3	+0	E	3	c	39	92	36	7	5	4	-	4-6	7-8	2500
	Leuchars ...	36	29·3	+2	ENE	4	c	47	75	33	8	4	-	-	9	9	1800
12	Renfrew (Abbots I.)	19	27·0	-10	ENE	4	b	38	85	33	8	5	-	-	1	1	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	24·5	-4	ESE	4	b	40	75	32	8	-	4	-	0	Tr	-
13A	Tiree	22	26·2	+0	-	0	b	35	75	32	9	-	-	-	0	0	-
13B	Stornoway ...	80	29·8	+6	ENE	5	b	41	92	39	8	-	4	-	0	Tr	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	31·1	-2	E	3	c	39	75	33	9	5	-	-	9+	9+	1700
	Wick ...	114	31·8	+0	ESE	4	bc	40	75	33	9	5	-	-	4-6	4-6	3400
16	Sumburgh ..	19	32·9	+2	-	0	b	38	92	36	9	-	-	-	0	0	-
17	Blacksod Point	18	21·2	-2	E'S	5	b	43	75	36	7	-	-	-	0	0	-
18	Malin Head ...	84	25·0	-4	ESE	6	c	41	65	30	8	8	-	-	7-8	7-8	2500
	Aldergrove ...	268	24·4	-6	E'N	4	c	38	75	31	8	5	-	-	7-8	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·1	-10	NE'E	5	b	46	65	35	8	-	4	1	0	Tr	-
	Roches Point	22	17·3	-6	E	4	b	45	85	41	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 25th 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)	16·9	0	NE'E	4	Z_0	44	75	37	6	5	-	-	7·8	7·8	2500	0	*
Croydon ...	16·9	+2	NNE	4	c	44	85	40	6	5	-	-	10	10	800	0	*
S. Farnborough	16·1	-6	NE'E	5	Z_0	43	75	36	6	5	-	-	9	9	1000	0	*
Boscombe Down	15·8	-10	ENE	4	bc	42	85	38	7	5	-	-	4·6	4·6	800	0	*
Thorney Island	14·1	-2	NE	5	b	46	85	42	7	-	-	-	0	0	-	0	*
Lympne ..	16·4	0	NE	4	b	46	85	40	7	-	-	-	0	0	-	0	5
Manston ...	16·2	0	ENE	4	Z_0	45	75	38	6	5	-	-	Tr	Tr	600	0	*
Shoeburyness ...	17·4	+2	NE	4	b	46	75	39	8	-	-	-	0	0	-	0	*
Felixstowe ...	18·2	-2	NE'E	6	b	45	75	36	7	-	-	-	0	0	-	0	5
Gorleston ...	20·2	-4	E'S	6	bc	44	75	35	7	-	3	-	0	4·6	-	0	5
Mildenhall ...	19·3	-2	ENE	4	b	43	75	35	8	-	-	-	0	0	-	0	*
Cranwell ...	21·5	0	ENE	4	b	42	85	36	7	-	3	-	0	Tr	-	0	*
Birmingham ...	19·4	-2	S	4	m	40	85	36	4	5	-	-	9	9	800	0	*
Upper Heyford	18·4	-2	ENE	4	b	41	85	36	7	1	-	-	1	1	2500	0	*
Ross-on-Wye	18·2	-8	E'N	4	c	41	85	37	6	5	-	-	10	10	1500	0	*
Hartland Point	13·4	+6	E	3	bc	42	75	34	7	-	4	-	0	2-3	-	0	4
Bristol ...	17·5	-10	ENE	3	Z_0	41	85	38	6	5	-	-	9+	9+	1000	0	*
Portland Bill ...	12·3	-4	ENE	4	bc	45	85	40	8	5	-	-	4-6	4-6	4000	1	4
Plymouth ...	11·4	-4	E	6	bc	47	65	37	7	1	4	-	Tr	2-3	4000	0	5
The Lizard ...	09·6	-10	NE	6	bc	46	75	39	7	8	6	-	4-6	4-6	2500	0	5
Scilly (St. Mary's)	09·5	-10	E'N	6	c	47	85	42	7	8	-	2	4-6	7-8	1800	0	4
Guernsey ...																	
Pembroke ...	15·1	-8	E'N	7	bcq	41	85	36	8	1	-	-	2-3	2-3	3000	0	1
Holyhead (Valley)	19·9	-6	ENE	5	Z_0	40	85	34	6	2	-	-	Tr	Tr	2500	0	4
Chester (Sealand)	21·5	-6	ENE	2	bc	39	85	34	6	-	3	-	0	2-3	-	0	*
Manchester ...	22·0	-4	NE'E	4	b	42	75	36	6	5	-	-	Tr	Tr	2000	1	*
Spurn Head ...	22·7	-8	E	7	b	44	75	37	7	-	-	-	0	0	-	0	5
Catterick ...	25·9	0	ENE	2	b	41	75	33	8	-	-	-	0	0	-	0	*
Tynemouth ...	27·2	+6	E	5	b	44	75	37	8	-	-	-	0	0	-	1	3
St. Abbs Head	27·7	0	ENE	4	b	41	97	37	8	2	4	-	Tr	1	3000	0	3
Leuchars ...	28·8	+6	ENE	4	c	42	75	36	8	5	-	-	9	9+	1500	0	*
Renfrew (Abbots I.)	26·6	-4	E'S	4	c	42	85	37	6	5	-	1	7·8	7·8	2500	0	*
Eskdalemuir ...	26·2	0	ENE	4	bc	38	85	34	8	5	-	-	2·3	2·3	1200	0	*
Point of Ayre...	23·1	0	E	4	b	43	75	36	8	4	-	-	Tr	Tr	4000	0	4
Tiree	25·0	-4	E'N	4	b	40	85	35	9	-	-	-	0	0	-	0	4
Stornoway ...	28·5	-4	E	5	bc	42	97	42	8	1	-	-	4·6	4·6	3500	0	3
Dalwhinnie ...	30·0	+2	E	3	c	38	65	26	8	8	6	-	4·6	7·8	2500	1	*
Aberdeen †	30·4	+2	E'S	3	c	43	85	38	8	5	3	-	4·6	7·8	1100	1	2
Wick ...	31·6	+2	E'S	3	c	41	75	33	8	5	-	-	9+	9+	2500	0	*
Sumburgh ..	33·4	+6	E	1	b	43	85	38	9	1	-	5	1	1	2500	0	0
Blacksod Point	19·6	-2	ESE	5	bc	41	75	34	7	2	5	-	1	2-3	1500	0	4
Malin Head ...	23·5	+2	E'S	5	bc	41	75	34	8	1	-	1	2·3	2·3	2500	0	4
Aldergrove ...	23·3	-14	ENE	4	b	40	75	33	7	5	-	1	Tr	1	2000	0	*
Birr Castle ...	18·1	-2	ESE	4	bc	41	85	37	7	-	-	6	0	4·6	-	0	*
Valentia Obsy.	13·8	-2	E	4	bc	43	65	32	9	1	4	3	Tr	2·3	2500	0	2
Roches Point	15·3	-6	E	4	bc	44	75	37	8	5	-	5	2·3	4·6	2500	0	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24 hrs. (38)
London (Kew)	53	40	36	-	Tr	11·0
Croydon ...	53	39	37	-	-	10·4
S. Farnborough	56	37	31	-	-	10·0
Boscombe Down	55	37	33	-	-	10·5
Thorney Island	50	42	38	-	-	*
Lympne ..	48	41	39	-	-	11·2
Manston ...	47	43	41	-	-	8·0
Shoeburyness ...	50	43	37	-	-	9·6
Felixstowe ...	48	42	40	-	-	11·2
Gorleston ...	44	42	38	-	-	6·5
Mildenhall ...	49	38	33	-	Tr	10·5
Cranwell ...	45	34		Tr	-	5·3
Birmingham ...	45	34	34	-	-	4·4
Upper Heyford	50	36	33	-	-	*
Ross-on-Wye	49	36	31	-	-	10·8
Hartland Point	50	40	39	-	-	10·5
Bristol ...	54	36	31	-	-	10·2
Portland Bill ...	54	42	*	-	-	*
Plymouth ...	56	42	39	-	-	11·8
The Lizard ...	52	43	*	-	-	6·7
Scilly (St. Mary's)	53	45	*	-	-	8·4
Guernsey ...						
Pembroke ...	54	31	*	-	-	9·4
Holyhead (Valley)	51	36	32	-	-	*
Chester (Sealand)		29	27		-	10·3
Manchester ...	49	35	28	-	-	*
Spurn Head ...	52	(42)	*	-	-	3·7
Catterick ...	43	33	28	-	-	0·0
Tynemouth ...	42	40	38	Tr	-	*
St. Abbs Head	41	38	*	Tr	-	*
Leuchars ...	52	40	36	Tr	-	2·7
Renfrew (Abbots I.)	47	37	33	-	-	4·4
Eskdalemuir ...	43	32	30	Tr	-	1·2
Point of Ayre...	49	39	*	-	-	6·5
Tiree	50	35	*	-	-	14·0
Stornoway ...	50	39	*	-	-	12·6
Dalwhinnie ...	52	22	14	-	Tr	12·8
Aberdeen †	45	39	37	-	-	8·1
Wick ...	46	38	37	-	-	*
Sumburgh ..	48	36	29	1	-	1·6
Blacksod Point	54	37	*	-	-	*
Malin Head ...	47	38		-	-	0·0
Aldergrove ...	47	35	31	-	-	10·7
Birr Castle ...	53	36	35	-	-	6·2
Valentia Obsy.	55	42	35	-	-	
Roches Point	50	42	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 24th April ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	13	01963	07114	5-	02957	09327
115	54	01963	08314	54	01954	08515
203				00	05800	12400
206	10	00961	08501	40	00962	08503
210	70	01963	04414	10	01961	06313
220	00	00990	13300	00	00990	10100
230	10	00972	08302	10	00961	08201
245	70	01954	38485	7-	02957	06517
260	8-	02756	04586	86	02765	04415
278	50	01954	42414	50	00961	42412
279	7-	02865	06525	53	02964	06515
285	5-	03748	08428			
288	23	02845	04427	5-	02857	03487
575	5-	02857	10327	10	00861	10301
301	40	01853	10513	40	00861	08511
321	5-	02857	04427	50	02856	04426
299	8-	02758	32428	80	02755	32415
292	5-	25957	09387	5-	01954	06624
310						
614	5-	02745	37427			

01h. G.M.T. 25th April ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	00861	10211	50	00962	11303
54	01961	08513	54	01954	01415
00	00990	08300			
5-	01864	08514	5-	02865	06425
53	01961	08325	5-	02857	08327
			00	00990	12300
04	00990	04301	10	00961	04302
5-	02857	07427	5-	02747	07327
00	01764	04314	5-	05645	04415
00	00990	12300	00	00890	09400
50	00761	06411	75	00752	05502
40	05661	00011	00	01890	07400
40	00852	18202	00	00890	88101
00	00890	08400	50	00752	08402
00	00790	01300	00	00790	04300
00	00790	04400	00	00890	09500
00	00890	03200	00	00890	08300
			--	01626	04526
5-	02736	35506	00	05590	04310

13h. G.M.T. 24th April ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	06503	00	01790	07503
334	--	01762	10313			
340	5-	02867	10515	10	00871	06511
356	5-	02857	04527	50	01854	04524
336	10	01764	08414	10	01763	04413
350	10	01853	37513	50	00861	37502
368	00	00890	06504	00	00890	06401
379	50	02853	04613	00	00890	37500
390	00	00890	04410	04	00890	05511
382	10	01951	37402	00	00890	37400
438	00	00890	02500			
430	00	00890	37510	00	00890	47500
409	00	00790	40500	50	00861	07401

01h. G.M.T. 25th April ... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
00	00790	08400	10	00761	06401
			--	02663	08214
00	05690	04200	50	00741	08411
00	00790	05320	00	00890	06400
			--	46309	08449
5-	05636	37416	50	00741	37411
00	05690	04500	00	00690	04501
5-	01725	39525	50	01724	39514
00	05790	04200	00	00790	06400
00	00890	03400	50	01744	03424
			00	05690	02400
00	05690	03400	00	05690	35500
04	01790	06401	00	01790	41514

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

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 ...	cbcz$_0$y	bbcy	b, wcz$_0$	
Croydon ...	c2b	by bcy	bm$_0$cm$_0$	
Greenwich ...	by	bcy	cbbc	
Camden Square	b	b	*	Kew 24 hours ended 7h. Max. Time 0·1 0-7h 25th
Kensington ...	bc	bc	*	
Hampstead ...	bc	bo	bc	Min. Time <0·1 7-21h 24th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	53	40	36	-	Tr	11·0	*	*
Croydon ...	53	39	37	-	-	10·4	*	*
Greenwich ...	54	40	31	-	-	10·0	36	63
Westminster ...	56	42	37	-	-		46	66
Regent's Park ...	55	45	34	-	-		50	65
Camden Square	57	40	34	-	-	*	*	63
Kensington ...	57	40	35	-	-		49	75
Hampstead ...	53	37	35	-	-		*	73

BRITISH SECTION

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

SECRET

Sunday 26th April 1942

No. 29,375

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)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	15.1	-6	NE	5	Z_0	55	45	37	6	-	-	-	0	0	-
	Croydon ...	15.7	-10	ENE	5	b	52	65	39	7	-	-	-	0	0	-
	S. Farnborough	14.0	-14	ENE	6	Z_0	57	55	40	6	-	-	-	0	0	-
	Boscombe Down	13.8	-10	E'N	6	Z_0	60	45	42	6	6	-	-	1	1	3500
	Thorney Island	12.9	-10	NE	5	b	60	65	46	8	-	-	-	0	0	-
	Lympne ...	16.4	-6	NE	6	b	50	65	38	8	-	-	-	0	0	-
	Manston ...	15.6	-8	NE'E	6	Z_0	49	65	38	6	-	-	-	0	0	-
2	Shoeburyness ...	17.3	-2	ENE	5	bc	49	65	39	7	5	-	-	4-6	4-6	2100
	Felixstowe ...	17.6	-8	NE'E	7	b	47	55	33	8	-	-	-	0	0	-
	Gorleston ...	19.9	-4	ENE	6	b	44	65	35	7	-	-	-	0	0	-
	Mildenhall ...	18.4	-10	E'N	6	b	54	35	29	8	-	-	-	0	0	-
	Cranwell ...	21.1	-6	ENE	6	b	50	75	46	8	-	4	-	0	1	-
3	Birmingham ...	17.7	-4	N'E	5	b	53	45	31	7	-	-	-	0	0	-
	Upper Heyford	16.2	-12	ENE	5	b	56	55	37	7	5	-	-	Tr	Tr	3500
4	Ross-on-Wye	15.5	-12	ENE	5	bq	56	55	38	7	1	-	-	1	1	3500
5	Hartland Point	11.5	-14	E	2	bc	53	65	42	7	-	4	-	0	4-6	-
	Bristol ...	14.8	-14	E	4	b	58	55	42	7	1	-	-	1	1	3000
	Portland Bill ...	10.6	-14	E	4	c	53	85	49	7	5	-	-	7-8	7-8	4000
	Plymouth ...	10.0	-14	E	6	bc	59	55	41	7	-	-	6	0	4-6	-
	The Lizard ...	09.3	-2	E	6	bc	53	75	45	7	4	6	-	4-6	4-6	2000
	Scilly (St. Mary's)	08.5	-6	E	5	c	54	75	46	7	8	3	2	4-6	7-8	1800
	Guernsey ...															
6	Pembroke ...	13.0	-10	E'N	6	bcq	56	75	46	7	1	6	-	2-3	4-6	3000
7	Holyhead (Valley)	17.0	-18	ENE	5	b	52	45	36	6	1	-	-	Tr	Tr	3000
	Chester (Sealand)	19.1	-14	ENE	5	b	55	45	33	8	5	-	-	Tr	Tr	5000
8	Manchester ...	20.4	-10	ENE	6	bc	58	45	32	8	4	-	2	Tr	4-6	4000
10	Spurn Head ...	23.5	0	E'N	7	bcq	44	65	32	7	1	-	-	2-3	2-3	4000
	Catterick ...	25.0	-6	ENE	4	b	50	35	25	9	1	3	-	1	1	3500
	Tynemouth ...	27.5	-2	E	5	b	44	75	37	8	1	-	-	1	1	2500
11	St. Abbs Head	28.3	0	E	4	b	45	85	39	8	2	4	-	Tr	1	3000
	Leuchars ...	28.8	-2	ENE	3	bc	49	65	38	9	2	-	5	2-3	4-6	2000
12	Renfrew (Abbots I.)	25.7	-6	ENE	4	c	52	45	33	8	5	-	-	7-8	7-8	2500
	Eskdalemuir ...	24.6	-8	E'N	6	b	51	35	23	8	1	-	-	Tr	Tr	3600
	Point of Ayre...	22.4	-6	E	3	b	52	65	40	8	1	-	-	Tr	Tr	3000
13A	Tiree	25.2	-12	SE'E	4	b	53	55	39	8	1	-	6	Tr	1	3500
13B	Stornoway ..	28.9	-2	E	4	bc	50	75	43	8	1	-	8	Tr	4-6	3800
15	Dalwhinnie ...	28.2	-4	E	4	c	50	45	27	8	8	-	2	4-6	7-8	2500
	Aberdeen ...	30.7	0	SSE	3	bc	47	75	39	8	1	-	-	4-6	4-6	2200
	Wick ...	31.6	+2	E'N	3	bc	46	75	39	8	7	1	-	2-3	4-6	2300
16	Sumburgh ...	33.2	-2	E	2	b	46	85	40	9	1	-	-	1	1	2500
17	Blacksod Point	18.1	-8	E	5	bc	54	65	43	8	2	-	-	2-3	2-3	4000
18	Malin Head ...	22.9	-12	E	5	b	49	55	34	8	1	-	-	1	1	4000
	Aldergrove ...	21.9	-10	E'S	6	b	53	35	28	8	1	-	1	Tr	Tr	3500
19	Birr Castle ...	16.5	-10	ESE	4	c	55	55	40	7	-	-	5	0	7-8	-
20	Valentia Obsy.	11.2	-18	E'S	5	bc	60	45	40	8	1	5	1	Tr	4-6	4000
	Roches Point	13.4	-10	E	6	bc	52	75	46	5	-	4	5	0	4-6	-

OBSERVATIONS at 18h. 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)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	14.4	-4	ENE	4	Z_0	51	45	30	6	-	-	-	0	0	-	0	*
	Croydon ...	14.8	-2	ENE	5	b	48	55	33	7	-	-	-	0	0	-	0	*
	S. Farnborough	13.4	-2	ENE	5	b	51	55	34	7	-	-	1	0	Tr	-	0	*
	Boscombe Down	12.6	-4	E'N	5	Z_0	54	45	34	6	-	-	5	0	1	-	0	*
	Thorney Island	11.7	-2	NE'E	6	bc	52	65	41	7	-	-	9	0	4-6	-	0	*
	Lympne ...	14.0	-8	NE	5	b	48	65	36	8	-	-	-	0	0	-	0	5
	Manston ...	13.8	-8	NE'E	6	b	47	65	35	7	-	-	-	0	0	-	0	*
2	Shoeburyness ...	15.8	-10	NE	6	b	45	75	38	7	-	-	-	0	0	-	0	*
	Felixstowe ...	16.3	-2	ENE	6	b	44	75	36	8	-	-	-	0	0	-	0	5
	Gorleston ...	19.0	+6	NE'E	6	b	44	75	38	7	-	-	-	0	0	-	0	5
	Mildenhall ...	17.7	-4	ENE	5	b	47	55	32	7	-	-	-	0	0	-	0	*
	Cranwell ...	20.3	+2	NE'E	5	b	43	55	29	8	-	-	-	0	0	-	0	*
3	Birmingham ...	17.3	-4	ENE	5	b	46	45	28	7	-	-	-	0	0	-	0	*
	Upper Heyford	15.1	-10	ENE	5	b	52	55	37	7	-	-	-	0	0	-	0	*
4	Ross-on-Wye	14.4	-4	NE'E	5	bq	51	45	30	8	-	-	5	0	1	-	0	*
5	Hartland Point	09.4	-12	NE	4	c	53	65	42	7	-	4	-	0	7-8	-	0	4
	Bristol ...	12.8	-6	NE'E	6	bc	56	45	37	7	-	-	6	0	2-3	-	0	*
	Portland Bill ...	10.0	-2	E	4	c	51	85	47	7	5	-	-	7-8	7-8	4000	1	
	Plymouth ...	09.0	-6	E'S	6	Z_0	57	55	32	7	-	7	-	0	10	-	0	4
	The Lizard ...	07.1	-10	E'N	6	c	51	85	45	7	8	2	-	7-8	10	1500	0	5
	Scilly (St. Mary's)	06.2	-10	E'S	6	c	52	85	46	6	8	7	-	4-6	9+	2800	0	5
6	Pembroke ...	11.1	-8	E'N	7	cq	56	65	42	7	-	7	1	0	7-8	-	0	3
7	Holyhead (Valley)	15.7	-2	E	6	b	52	45	29	7	1	-	1	Tr	1	3000	0	
	Chester (Sealand)	18.3	-4	ENE	4	b	49	35	24	7	-	4	-	0	Tr	-	0	*
8	Manchester ...	18.1	-6	ENE	6	bc	46	35	22	8	4	-	2	Tr	2-3	4000	0	*
10	Spurn Head ...	22.1	-8	E'N	7	bcq	42	75	36	7	-	6	-	0	2-3	-	0	5
	Catterick ...	24.4	+2	E'N	3	b	45	55	28	9	1	-	1	Tr	1	3000	0	*
	Tynemouth ...	26.1	-4	E	6	bc	42	97	36	8	2	-	-	2-3	2-3	2500	0	4
11	St. Abbs Head	26.7	-6	E	4	b	41	45	23	8	5	-	-	Tr	Tr	4000	0	4
	Leuchars ...	27.4	-6	E	4	b	45	65	43	9	-	3	1	0	Tr	-	0	*
12	Renfrew (Abbots I.)	24.2	-10	E'N	5	b	47	85	21	8	1	4	8	Tr	1	2000	0	*
	Eskdalemuir ...	24.3	0	E	4	b	42	45	21	8	1	-	-	Tr	Tr	3200	0	*
	Point of Ayre...	20.1	-10	E'S	5	b	49	65	38	8	-	4	-	0	Tr	-	0	
13A	Tiree	23.4	-8	E'S	3	bc	52	45	32	8	1	3	6	1	4-6	3500	0	4
13B	Stornoway ..	27.1	-6	ENE	7	bc	49	75	41	8	1	-	8	Tr	2-3	4000	0	3
15	Dalwhinnie ...	27.0	-8	E	3	bc	47	45	24	8	1	4	2	Tr	4-6	4000	0	
	Aberdeen ...	29.2	-12	E'S	2	b	44	75	37	8	1	-	8	1	1	2200	0	3
	Wick ...	29.7	-10	E'S	4	bc	44	75	34	9	5	1	-	2-3	2-3	2500	0	*
16	Sumburgh ...	32.1	-4	E	2	bc	46	85	40	9	8	-	1	1	2-3	2500	0	0
17	Blacksod Point	15.9	-10	E	6	bc	53	55	38	8	1	-	6	1	4-6	4000	0	5
18	Malin Head ...	20.9	-12	E	5	b	50	55	35	8	4	-	-	1	1	4000	0	4
	Aldergrove ...	20.3	-10	E'N	6	b	49	45	28	8	-	-	-	0	0	-	0	*
19	Birr Castle ...	14.2	-4	N'E	4	c	53	55	38	7	5	-	5	2-3	7-8	2500	0	*
20	Valentia Obsy.	10.2	-2	E'S	4	bc	57	55	41	8	-	7	3	0	4-6	-	0	4
	Roches Point	11.2	-12	E	6	bc	54	65	43	8	-	-	5	0	4-6	-	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 25th (39)	Weather. 13h.—18h. 25th (40)	Weather. 18h. 25th–1h. 26th (41)	Weather. 1h.–7h. 26th (42)
1	London (Kew)	bzy	bzy	bzby	bcwbc
	Croydon ...	bcy, by	by	byb	bbc
	S. Farnborough	mcmbzy	bzyb	bybz₀	bzmbcc
	Boscombe Down	bc, by	bzy	bbcc	c
	Thorney Island	bbcb	by	bccⓓ	cbc
	Lympne ...	b	b	bbcb	bcb
	Manston ...	bz	bzbyb	bybz₀b	bbcz
2	Shoeburyness ...	bbc	bcb	b	bbc
	Felixstowe ...	by	byb	b	b
	Gorleston ...	b	bc	bq	b
	Mildenhall ...	bby	by	byb	b
	Cranwell ...	b	bbcby	byb	bc
3	Birmingham ...	cmb	b	b	bcz
	Upper Heyford	b	by	bybcb	b
4	Ross-on-Wye	cbbcy	bqy	by b	bcc
5	Hartland Point	bc	bcc	bccir	irrc
	Bristol ...	cmbm	bbcy	bbcz₀b	bmc
	Portland Bill ...	c	bc	c	c
	Plymouth ...	bbcy	cy	cmoiroy	cycisc
	The Lizard ...	bcm	bcc	crocq	cpsc
	Scilly (St. Mary's)	cbcc	cbc	cir₀	crirc
6	Pembroke ...	bcq	bccq	bcq	bcq
7	Holyhead (Valley)	b	bzby	b	bzb
	Chester (Sealand)	bcbzy	bzy	bz₀	bzm
8	Manchester ...	by	bcy	b	bbc
10	Spurn Head ...	bcq	bcq	bq	bq
	Catterick ...	bcbcyby	by	b	bwbxbxb
	Tynemouth ...	bbc	bc	bc	bc
11	St. Abbs Head	b	b	b	bbc
	Leuchars ...	cb	b	c	b
12	Renfrew (Abbots I.)	bcmzcy	cbcby	byb	bbc
	Eskdalemuir ...	bcbv	bv	byb	bxbc
	Point of Ayre...	b	b	b	b
13A	Tiree	b	bbc	bc	bc
13B	Stornoway ..	bc	bc	bc	bc
15	Dalwhinnie ...	b	cbcy	*	bc
	Aberdeen ...	bc	bcb	b	bw
	Wick ...	bc	bcb	bcb	bcb
16	Sumburgh ...	bbcb	bbc	bbc	bcc
17	Blacksod Point	b	bc	bcb	b
18	Malin Head ...	bc	b	b	bc
	Aldergrove ...	bby	by	b	bbw
19	Birr Castle ...	bc	c	*	b
20	Valentia Obsy.	bc	bc	bc	bc
	Roches Point	b	b	bc	r

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

Districts	Forecast
1 S.E. England ↓	Moderate or fresh E. wind, becoming cloudy with slight local rain later. Rather cold.
2 E. England ↓	Fresh E. wind, strong locally on coasts. Fine. Rather cold especially in eastern coastal districts.
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England ↓	Fresh or strong E. wind, moderating later. Cloudy with local rain. Temperature rather below average.
6 South Wales ↓	As 1.
7 North Wales ↓	
8 N.W. England ↓	As 2-4.
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	Light or moderate Easterly or variable winds. Fair. Rather cold.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 13B - 15.
17 N.W. Ireland ↓	As 2-4.
18 N.E. Ireland ↓	
19 S.E. Ireland ↓	As 1.
20 S.W. Ireland ↓	

GENERAL INFERENCE

An anticyclone north of Shetland is declining slowly. The cold E. winds will continue and will be strong locally. The weather will be mainly fine but in the extreme south it will be cloudy with occasional rain and will become rather less cold.

FURTHER OUTLOOK

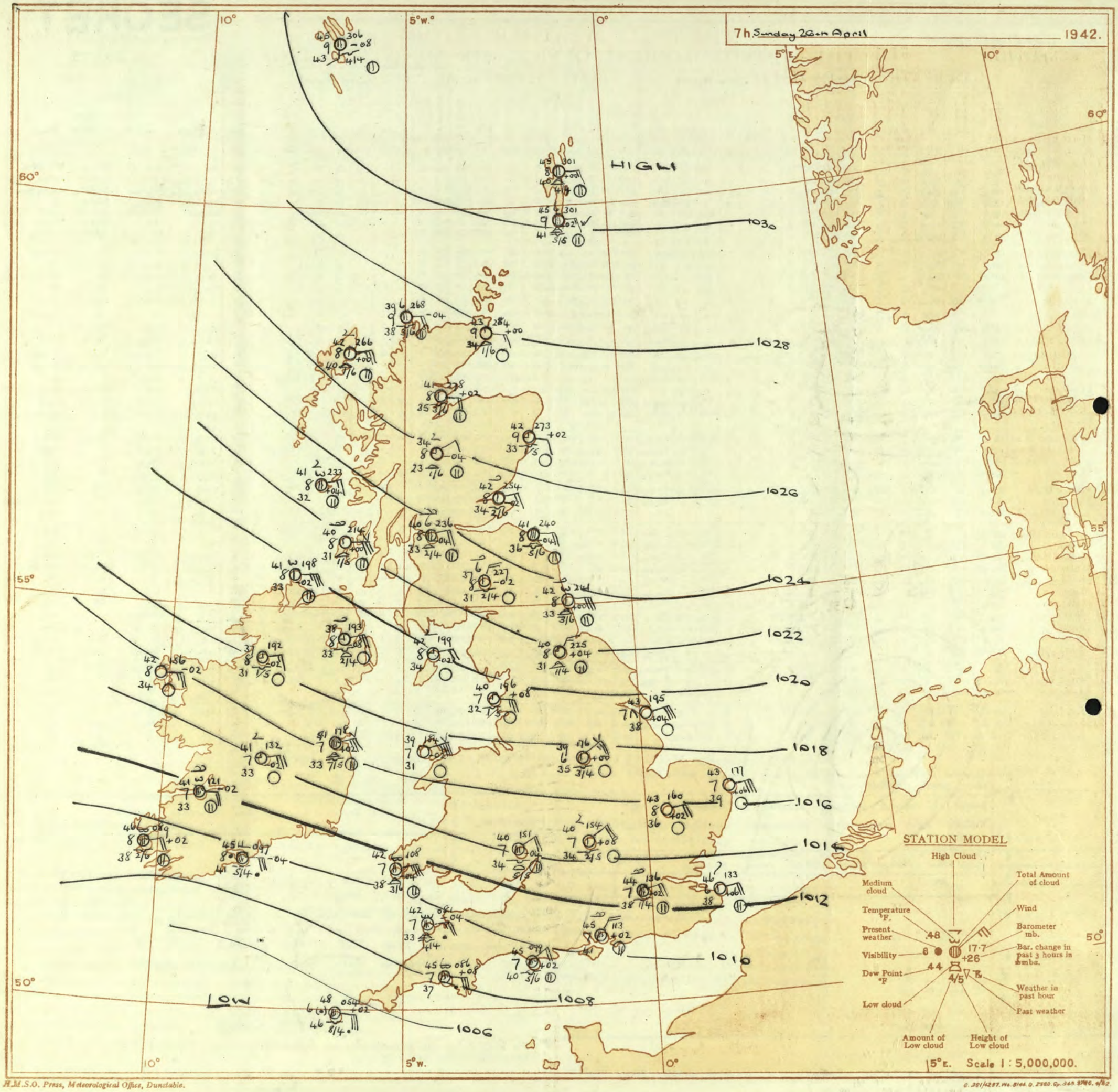
Little Change.

↓ Gale Warning in operation in districts 1, 2, 5, 6, 7, 8, 10, 11, 12, 17, 18, 19, 20. Issued at 1506. G.M.T. 25/4/42.

Forecasts issued at 10.30 G.M.T.

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

7h. Sunday 26th April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 26th April 1942

No. 29375

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. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon ...	290	14.3	-6	NE	4	b	41	85	36	7	-	-	-	0	0	-
	S. Farnborough	226	13.8	-2	NE	3	2o	40	75	34	6	-	-	-	0	0	-
	Boscombe Down	417	12.9	-6	E'N	6	c	41	75	32	7	-	7	-	0	7-8	-
	Thorney Island	10	11.9	-2	NE	6	c	45	85	40	7	-	3	6	0	7-8	-
	Lympne ...	283	13.6	-6	NE'E	5	bc	46	65	36	8	5	3	-	1	2-3	4500
	Manston ...	154	12.9	-10	ENE	4	b	45	75	37	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15.8	-6	NE'N	4	b	43	85	38	7	-	-	-	0	0	-
	Gorleston ...	5	17.6	-10	ENE	6	2o	44	75	37	6	-	-	-	0	0	-
	Mildenhall ...	15	16.5	-12	NE'E	3	b	38	85	34	7	-	-	-	0	0	-
	Cranwell ...	203	19.1	-14	NE	4	b	38	85	32	8	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.4	-6	ENE	5	b	37	85	32	7	-	-	8	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09.3	-6	ENE	4	ir	44	65	34	7	5	2	-	4-6	9+	1500
	Bristol ...	209	15.1	-2	E'N	3	b	38	75	32	7	-	3	-	0	1	-
	Portland Bill ...	32	10.1	-2	E	4	c	46	85	42	7	5	-	-	10	10	2500
	Plymouth ...	82	08.7	-8	E'N	7	c/r	48	55	35	7	5	-	-	9+	9+	5000
	The Lizard ...	240	07.2	-4	E'N	7	c	48	75	41	6	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	06.5	-4	E	6	c/r	47	97	46	7	5	2	-	7-8	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	11.9	-2	E'N	7	bq	41	85	36	7	1	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	16.0	+0	ENE	6	b	38	75	29	7	-	-	-	0	0	-
	Chester (Sealand)	16	19.1	-10	E'N	2	2o	35	75	29	6	-	-	-	0	0	-
8	Manchester ...	235	19.4	-6	ENE	4	b	36	85	31	7	5	-	-	1	1	2500
10	Spurn Head ...	29	20.5	-6	E'N	6	bq	42	85	37	7	-	-	-	0	0	-
	Catterick ...	175	23.2	-14	ENE	3	b	35	85	30	7	5	3	-	Tr	1	2500
	Tynemouth ...	108	24.6	-14	E	5	bc	41	75	33	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	25.6	-10	E	5	b	39	85	34	8	2	-	-	Tr	Tr	2500
	Leuchars ...	36	26.5	-10	ENE	3	b	40	75	32	9	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	24.7	-6	E	2	b	36	75	30	8	-	-	1	0	1	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20.9	-2	ESE	4	b	41	75	32	8	-	4	-	0	Tr	-
13A	Tiree ...	22	24.2	+0	ESE	4	bc	45	65	35	8	-	3	5	0	4-6	-
13B	Stornoway ...	80	27.8	+0	ENE	5	bc	42	92	40	8	-	-	8	0	4-6	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	28.4	-10	NE	1	b	35	85	32	9	5	-	-	Tr	Tr	2500
	Wick ...	114	29.1	-6	E	4	b	41	75	33	8	1	-	-	2-3	2-3	3000
16	Sumburgh ..	19	30.7	-6	ESE	1	bc	38	97	37	9	5	-	-	2-3	2-3	2000
17	Blacksod Point	18	16.3	-0	E	6	b	45	65	34	8	-	-	-	0	0	-
18	Malin Head ...	84	21.1	-2	ESE	6	b	42	65	31	8	-	-	-	0	0	-
	Aldergrove ...	268	20.8	-2	E'N	5	b	37	85	33	8	-	-	1	0	Tr	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09.9	-4	E'N	5	bc	50	65	39	8	5	4	-	1	4-6	4000
	Roches Point	22	10.9	+0	E'N	6	bc	48	75	41	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 26th 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. (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)	13.7	-2	NE'E	3	2o	44	75	36	6	-	-	6	0	7-8	-	0	*
	Croydon ...	13.6	+2	NE'E	4	c	44	75	38	7	5	-	2	Tr	7-8	1400	0	*
	S. Farnborough	13.0	+2	NE'E	3	c	43	75	36	7	1	-	5	Tr	10	2500	0	*
	Boscombe Down	12.2	+2	E'N	6	c	42	75	34	7	5	7	-	4-6	9	4000	0	*
	Thorney Island	11.3	+2	NE'N	4	c	45	85	41	7	-	-	2	0	7-8	*	0	*
	Lympne ...	13.5	0	ENE	4	bc	46	75	38	7	-	-	4	0	4-6	*	0	5
	Manston ...	13.3	+6	ENE	4	2o	46	75	38	6	-	-	4	0	2-3	-	0	*
2	Shoeburyness ...	14.6	+2	ENE	5	bc	46	75	38	8	-	-	4	0	2-3	-	0	*
	Felixstowe ...	15.4	+4	ENE	5	b	45	82	43	7	-	-	-	0	0	-	0	5
	Gorleston ...	17.7	+6	ENE	6	b	43	85	39	7	-	-	-	0	0	-	0	
	Mildenhall ...	16.0	+2	ENE	4	b	43	75	36	8	-	-	-	0	0	-	0	*
	Cranwell ...	18.1	+4	NE'E	4	c	41	85	36	7	5	-	-	7-8	7-8	800	0	*
3	Birmingham ...	16.7	0	ENE	4	c	37	85	33	5	5	-	-	9+	9+	450	0	*
	Upper Heyford	15.4	+8	NE	4	bc	40	85	34	7	5	-	6	1	2-3	2500	0	*
4	Ross-on-Wye	18.1	-4	NE	4	c	40	75	34	7	7	-	-	7-8	7-8	2500	0	*
5	Hartland Point	08.1	-2	E	5	c	42	75	33	7	8	6	-	4-6	9+	1700	0	4
	Bristol ...	14.3	+2	ENE	4	c	40	85	34	7	3	8	2	2-3	9	2500	0	*
	Portland Bill ...	08.9	+2	NE	4	c	45	85	40	7	4	-	-	7-8	9	4000	0	5
	Plymouth ...	08.6	+8	ESE	6	c	45	75	37	7	-	7	-	0	9+	-	0	4
	The Lizard ...	07.1	+6	ENE	6	c/pr	47	85	43	7	8	2	-	9	10	1500	0	3
	Scilly (St. Mary's)	05.4	+2	E'S	6	ojp	48	85	46	6	5	-	-	10	10	1200	1	5
	Guernsey ...																	
6	Pembroke ...	10.8	-4	E'N	7	bc	42	85	38	7	2	7	-	2-3	4-6	3000	0	4
7	Holyhead (Valley)	14.4	-2	NE'E	7	b	39	75	31	7	-	-	-	0	0	-	0	4
	Chester (Sealand)	18.3	-2	ENE	2	b	40	75	34	6	-	-	-	0	0	-	0	*
8	Manchester ...	18.3	-2	ENE	4	bc	40	75	33	7	5	-	-	2-3	2-3	2500	0	*
10	Spurn Head ...	18.5	+4	E'N	6	bq	43	85	38	7	-	-	-	0	0	-	0	5
	Catterick ...	22.5	+4	NE	3	b	40	75	31	8	2	-	-	Tr	Tr	2000	0	*
	Tynemouth ...	24.1	0	E	6	bc	42	75	33	8	2	3	1	2-3	2-3	4000	0	4
11	St. Abbs Head	24.0	-4	E	4	c	41	85	36	8	4	-	-	7-8	7-8	4000	0	4
	Leuchars ...	25.4	-2	ENE	3	bc	42	75	34	8	5	-	1	1	2-3	3000	0	*
12	Renfrew (Abbots I.)	23.6	-4	ENE	4	bc	40	75	33	8	1	4	2	1	4-6	2000	0	*
	Eskdalemuir ...	22.7	-2	NNE	4	bc	37	75	30	8	5	4	1	1	2-3	1400	0	*
	Point of Ayre ...	19.9	-2	E'N	4	b	42	75	34	8	-	-	5	0	Tr	-	0	4
13A	Tiree ...	23.8	+4	ENE	3	bc	41	55	32	8	-	3	6	0	4-6	-	0	4
13B	Stornoway ...	26.6	0	ENE	5	bc	42	92	40	8	1	-	5	Tr	2-3	3000	0	3
15	Dalwhinnie ...	26.8	-4	NE	1	b	34	65	23	8	1	-	5	Tr	1	4000	1	*
	Aberdeen † ...	27.3	+2	ESE	2	b	42	65	33	9	5	-	-	Tr	Tr	2300	1	2
	Wick ...	28.4	0	ESE	3	b	43	75	34	8	1	-	-	Tr	Tr	3500	0	*
16	Sumburgh ..	30.1	+2	E	3	c	45	85	41	9	8	4	-	7-8	7-8	2500	0	1
17	Blacksod Point	15.6	-2	E	5	b	42	75	35	8	-	-	-	0	0	-	0	5
18	Malin Head ...	18.8	-2	E	7	bc	41	75	34	8	-	3	-	0	2-3	-	0	5
	Aldergrove ...	19.3	-8	ENE	5	b	38	85	33	8	7	-	1	1	1	2000	0	*
19	Birr Castle ...	13.2	-2	ENE	5	b	41	75	34	7	-	-	5	0	1	-	0	*
20	Valentia Obsy.	08.9	+2	E'N	4	c	46	75	39	8	5	7	-	1	9+	4000	0	3
	Roches Point	09.7	-4	E	6	ir	45	85	41	8	6	2	-	7-8	9+	1500	0	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
1	London (Kew)	55	41	36	-	Tr	11.0
	Croydon ...	53	39	37	-	-	10.5
	S. Farnborough	57	39	32	-	-	10.4
	Boscombe Down	61	39	38	-	-	11.7
	Thorney Island	61	43	40	-	-	*
	Lympne ...	51	43	39	-	-	11.7
	Manston ...	50	43	41	-	-	11.8
2	Shoeburyness ...	51	42	37	-	-	11.3
	Felixstowe ...	48	42	40	-	-	12.0
	Gorleston ...	45	42	39	-	-	10.0
	Mildenhall ...	56	38	33	-	-	12.5
	Cranwell ...	51	35	31	-	-	5.3
3	Birmingham ...	54	34	31	-	-	11.3
	Upper Heyford	57	36	34	-	-	*
4	Ross-on-Wye	58	37	33	-	-	10.6
5	Hartland Point	55	42	39	-	0.1	3.5
	Bristol ...	60	37	34	-	-	10.0
	Portland Bill ...	53	44	*	-	-	*
	Plymouth ...	61	44	42	-	Tr	8.4
	The Lizard ...	54	46	*	-	Tr	8.3
	Scilly (St. Mary's)	55	46	*	-	2	5.8
	Guernsey ...						
6	Pembroke ...	58	34	*	-	-	7.2
7	Holyhead (Valley)	51	37	33	-	-	*
	Chester (Sealand)	56	31	27	-	-	12.0
8	Manchester ...	55	35	29	-	-	*
10	Spurn Head ...	43	40	*	-	-	13.0
	Catterick ...	52	34	30	-	-	13.2
	Tynemouth ...	46	40	37	-	-	*
11	St. Abbs Head	45	39	*	-	-	*
	Leuchars ...	49	39	36	-	-	10.3
12	Renfrew (Abbots I.)	53	35	28	-	-	9.1
	Eskdalemuir ...	52	31	28	-	-	12.2
	Point of Ayre ...	53	39	*	-	-	12.8
13A	Tiree ...	54	38	*	-	-	13.7
13B	Stornoway ...	52	39	*	-	-	13.1
15	Dalwhinnie ...	52	21	13	-	-	9.8
	Aberdeen † ...	47	39	34	-	-	12.5
	Wick ...	47	37	36	-	-	*
16	Sumburgh ..	47	38	34	-	-	11.7
17	Blacksod Point	56	39	*	-	-	*
18	Malin Head ...	50	40		-	-	12.7
	Aldergrove ...	54	34	30	-	-	13.3
19	Birr Castle ...	56	37	35	-	-	10.2
20	Valentia Obsy.	61	45	43	-	-	*
	Roches Point	56	44	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th April				18h. G.M.T.				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		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
109	00	00390	09402	50	00361	[illegible]402		70	01854	09304		80	00853	09313	
115	54	02354	08625	54	01354	08524		54	01363	41514		54	01363	08414	
203				17	01853	08514		70	01954	08314					
208	8-	01864	08414	00	01890	08614		04	01890	08413		50	01863	10413	
278	10	01963	39514	10	00961	06512		50	00862	10202		50	00851	09210	
229															
230	10	01964	06204	10	01961	06315		04	01990	10315		13	01851	04205	
246	20	01853	07314	00	00890	08411		50	00863	08403		14	00851	07402	
260	10	01854	04514	00	00890	04500		00	00790	04400		50	01854	04414	
278	13	00861	42701	04	00990	44701		04	00990	41301		54	14861	08602	
279	10	00961	42601	10	00861	38601		04	01890	04514		10	01862	05504	
285	10	01853	08613												
288	10	00952	38502	13	00943	39403		50	05644	04301		5-	01844	06314	
579	20	00861	08501	50	00862	08502		10	00741	08301		50	00851	07301	
301	04	00790	41601	00	00790	42601		50	00751	41401		5-	00751	00601	
321	13	01851	39614	03	00890	38611		00	00890	06310		50	01754	38404	
299	00	00790	06500	00	00890	04500		00	00790	07600		50	06501	-----	
292	4	00962	41413	10	00961	40401		00	00890	06200		14	00861	06301	
310															
614	50	01884	06624	00	00790	06601		00	00790	37400					

13h. G.M.T. 25th April				18h. G.M.T.				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		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
333	10	00791	06501	00	00790	06601		00	00790	41600		40	00861	06601	
334	--	02663	08815												
340	00	01890	00863	[illegible]	01890	07611		00	00790	06301		50	00741	04201	
136	00	00790	39600	50	00741	35601		00	00890	07500		5-	01890	06513	
338	10	01765	08615	50	01751	08511									
351	00	00790	33600	00	00790	37400		00	00790	36400		50	00731	37501	
368	10	00690	39603	00	01790	39614		00	01690	38514		59	61766	39518	
379	10	00861	37601	00	00890	04600		00	00790	39500		50	00722	39603	
390	00	00690	06500	00	00790	39500		00	00690	05400		00	00790	39402	
382	10	00851	38401	00	00890	38500		00	00790	05400		03	01750	04403	
439	00	05690	02400									00	01790	04513	
430	14	00751	06513	00	00790	04503		5-	02763	37516		03	01790	37424	
409	00	01790	42514	00	01790	42515		5-	05667	41567		67	02754	42627	

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 ...	bzy	bzy	bcwbc	
Croydon	bcy, by	by	byb	
Greenwich	by	by	bybc	
Camden Square	b	b	*	
Kensington	b	bc	*	0.1 3.20h 25th
Hampstead	b	bc	bc	Min. 0.1 26th

Kew 24 hours ended 7h. Max. Time

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	55	41	36	-	Tr	11.0	*	*
Croydon	53	39	37	*	-	10.5	*	*
Greenwich	54	41	35	-	-	10.1	54	64
Westminster	56	42	39	-			61	68
Regents Park								
Camden Square	59	41	35	-	-	*	*	64
Kensington	58	41	36	-	-		54	69
Hampstead	55	38	37	-	-		*	73

Page 1 BRITISH SECTION

SECRET

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

Monday 27th April 1942

No. 29375

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)	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)	13·6	-4	NE'E	4	zo	57	55	40	6	-	-	1	0	Tr	-
	Croydon	13·6	-2	NE	4	b	55	55	40	7		-	1	0	Tr	-
	S. Farnborough	12·6	-14	NE'E	5	zo	59	55	41	6	-	-	1	0	Tr	-
	Boscombe Down	11·9	-6	E'N	5	zo	61	45	40	6	-	-	1	0	2-3	-
	Thorney Island	11·1	-2	NE'E	5	c	53	65	41	6	-	-	6	0	2-3	-
	Lympne	14·2	+4	ENE	5	b	55	55	40	7	-	-	1	0	1	-
	Manston	16·1	0	NE'E	5	zo	52	65	41	6	-	-	6	0	2-3	-
2	Shoeburyness	15·3	0	ENE	5	b	50	76	41	7	1	-	-	1	1	1200
	Felixstowe	15·8	-2	ENE	5	b	49	65	40	8	-	-	-	0	0	-
	Gorleston	17·9	-4	ENE	5	b	47	75	40	7	-	-	-	0	0	-
	Mildenhall	16·0	0	E'N	5	b	56	55	39	8	5	-	-	Tr	Tr	2500
	Cranwell	17·9	-4	ENE	5	b	51	55	36	7	5	-	-	1	1	1800
3	Birmingham	15·3	-4	ENE	5	bc	54	55	39	7	7		-	4-6	4-6	4000
	Upper Heyford	13·8	-10	ENE	5	bc	58	55	43	7	-	-	4	0	4-6	-
4	Ross-on-Wye	13·6	-10	E'N	5	bc	57	55	42	7	1	-	2	1	2-3	4000
5	Hartland Point	09·6	0	NE	3	c	50	75	41	7	5	1	-	4-6	9+	2000
	Bristol	13·1	-10	ENE	5	b	59	55	45	7	-	3	-	0	1	-
	Portland Bill	10·1	+6	E	4	c	52	85	48	8	5	-	-	10	10	4000
	Plymouth	09·1	-2	E'S	6	fofo	52	75	44	6	5	7	-	4-6	10	4000
	The Lizard	07·5	0	ENE	6	c	49	85	45	6	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	06·3	+4	E	5	c	51	85	48	6	5	-	-	9+	9+	1200
	Guernsey															
6	Pembroke	12·1	+14	E'S	6	c	55	75	47	7	2	7	-	2-3	7-8	3000
7	Holyhead (Valley)	14·1	-4	ENE	6	zo	57	45	37	6	-	-	-	0	0	-
	Chester (Sealand)	16·4	-10	E'N	5	b	57	45	37	7	1	-	-	1	1	2500
8	Manchester	17·0	-6	E'N	5	bc	55	55	40	7	1	-	-	4-6	4-6	4000
10	Spurn Head	19·2	0	E'N	6	bq	45	85	39	7	-	-	-	0	0	-
	Catterick	21·5	-8	NE	4	bc	49	55	34	8	5	3	-	4-6	4-6	2800
	Tynemouth	24·4	+2	E	6	boq	45	65	34	8	2	-	-	2-3	2-3	2500
11	St. Abbs Head	24·8	0	E	5	b	44	75	37	8	5	-	-	Tr	Tr	4000
	Leuchars	25·9	0	E	4	b	47	55	32	9	1	-	-	1	1	3000
12	Renfrew (Abbots I.)	22·7	-6	ENE	5	b	51	45	31	8	1	4	-	Tr	Tr	2000
	Eskdalemuir	21·5	-2	E	5	b	49	45	29	8	7	-	1	1	1	3500
	Point of Ayre	19·4	-8	E'S	3	b	51	45	31	8	-	-	8	0	Tr	-
13A	Tiree	22·0	-10	ESE	4	bc	52	35	26	8	1	3	2	1	4-6	3500
13B	Stornoway	24·1	-18	ENE	5	b	50	75	41	9	-	4	5	0	1	-
15	Dalwhinnie	25·8	+4	SE	4	b	48	35	23	8	1	-	-	Tr	Tr	4000
	Aberdeen	27·9	-4	SE'E	3	b	47	65	36	9	1	-	-	Tr	Tr	2400
	Wick	28·3	+2	SE	4	b	46	65	35	9	2	3	-	Tr	1	3500
16	Sumburgh	30·2	+2	E	4	c	45	75	38	8	5	-	-	10	10	2500
17	Blacksod Point	04·4	-10	E	6	b	54	55	39	8	-	-	-	0	0	-
18	Malin Head	19·6	-6	SE	7	b	48	55	33	8	-	-	2	0	1	-
	Aldergrove	19·1	-4	E'N	5	b	52	45	32	8	-	-	1	0	1	-
19	Birr Castle	13·3	-6	E	4	bc	54	55	39	7	-	-	8	0	4-6	-
20	Valentia Obsy.	09·6	+2	E'N	4	c	53	65	42	8	5	7	-	4-6	9+	4000
	Roches Point	10·9	+2	E	6	c	50	75	42	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 26th 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)	13·1	+4	ENE	5	zo	54	45	33	6	-	-	6	0	9	-	0	*
	Croydon	13·4	0	ENE	4	c	52	55	37	7	-	-	6	0	10	-	0	*
	S. Farnborough	12·6	+6	E'N	5	bc	55	55	40	7	-	-	2	0	4-6	-	0	*
	Boscombe Down	11·6	+4	E'N	5	c	55	55	40	7	-	-	6	0	9	-	0	*
	Thorney Island	10·8	0	NE	5	c	58	75	50	7	-	-	8	0	9	-	0	*
	Lympne	13·4	0	NE	5	c	53	55	48	8	-	-	8	0	9	-	0	
	Manston	13·0	-2	NE'E	5	c	50	65	39	7	-	-	6	0	7-8	-	0	§ *
2	Shoeburyness	14·6	0	NE'N	5	c	49	65	38	8	-	-	6	0	7-8	-	0	*
	Felixstowe	15·5	-2	NE'E	6	bc	47	75	40	8	-	-	5	0	2-3	-	0	5
	Gorleston	17·4	-2	ENE	5	zo	45	75	39	6	-	-		0	0	-	0	5
	Mildenhall	16·2	+6	E'N	5	b	51	55	36	8	-	-	1	0	Tr	-	0	*
	Cranwell	18·0	-2	ENE	4	b	46	65	35	8	-	4	-	0	Tr	-	0	*
3	Birmingham	15·2	+2	ENE	5	bc	51	55	36	7	-	-	1	0	2-3	-	0	*
	Upper Heyford	13·5	0	ENE	5	bc	56	45	41	7	-	3	6	0	4-6	-	0	*
4	Ross-on-Wye	12·3	-8	E	4	bc	58	55	43	7	1	-	6	Tr	4-6	4000	0	*
5	Hartland Point	08·9	-4	ESE	3	c	56	65	45	7	5	1	-	7-8	9+	4600	0	2
	Bristol	11·8	+2	E	3	c	59	45	39	7		7	7	0	10	-	0	*
	Portland Bill	09·2	-6	E	4	c	52	85	48	8	5	-	-	10	10	2500		4
	Plymouth	08·7	-2	E'S	6	ifo	55	75	47	6	5	7	-	9	9+	5000	0	4
	The Lizard	07·2	0	ENE	5	bc	52	85	48	7	7	3	-	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	06·3	-6	E	5	c	51	85	47	6	5	3	5	4-6	7-8	1200	1	4
	Guernsey																	
6	Pembroke	10·4	0	E'N	6	cq	57	65	46	7	8	7	1	2-3	7-8	3000	0	4
7	Holyhead (Valley)	13·2	-2	ENE	5	b	55	55	40	7	-	3	-	0	Tr	-	0	4
	Chester (Sealand)	16·1	+4	E'N	4	b	54	45	35	7	-	-	-	0	0	-	0	*
8	Manchester	17·3	+6	ENE	4	b	51	55	36	8	4	-	-	Tr	Tr	4000	0	*
10	Spurn Head	19·8	0	E'N	6	bq	43	92	41	7	-	-	-	0	0	-	0	5
	Catterick	21·9	+10	ENE	4	b	47	55	32	8	-	-	-	0	0	-	0	*
	Tynemouth	23·4	0	E	5	bc	43	75	36	8	-	3	-	0	2-3	-	0	5
11	St. Abbs Head	24·2	+4	E	4	b	41	75	34	8	1	-	-	1	1	4000	0	4
	Leuchars	25·0	-2	E	5	b	45	65	34	9	1	-	-	1	1	3500	0	
12	Renfrew (Abbots I.)	21·8	+2	ENE	5	zo	45	45	30	7	-	-	-	0	0	-	0	*
	Eskdalemuir	21·5	+6	E	4	b	44	85	31	8	7	-	-	Tr	Tr	3500	0	*
	Point of Ayre	17·9	0	E	3	b	51	75	43	8	-	-	-	0	0	-	0	*3
13A	Tiree	20·8	-4	ESE	2	b	51	45	36	8	-	-	5	0	1	-	0	3
13B	Stornoway	22·2	-6	ENE	5	b	50	75	42	9	-	-	-	0	0	-	0	3
15	Dalwhinnie	23·0	-2	ENE	3	bc	44	35	19	8	1	-	-	Tr	Tr	4000	0	-
	Aberdeen	27·0	-6	ESE	3	b	45	75	38	8	-	-	-	0	0	-	0	*3
	Wick	27·4	-2	ESE	4	b	44	75	38	9	5	-	-	Tr	Tr	2500	0	
16	Sumburgh	29·5	-6	E'N	3	b	44	85	40	8	1	-	-	Tr	Tr	3000	0	*2
17	Blacksod Point	13·9	-2	E	5	bc	54	55	39	8	8	-	-	4-6	4-6	5700	0	5
18	Malin Head	18·2	-6	SE	4	bc	50	65	39	8	-	-	6	0	4-6	-	0	3
	Aldergrove	18·1	0	ENE	4	b	51	55	36	8	-	-	1	0	1	-	0	*
19	Birr Castle	12·5	-4	ENE	3	c	54	55	39	7	5	-	8	4-6	7-8	2500	0	
20	Valentia Obsy.	09·2	+2	E	5	c/r	54	65	43	8	5	r	-	7-8	9	4000	0	*3
	Roches Point	10·2	-6	E	5	bc	53	75	45	8	-	3	5	0	4-6	-	0	5

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 26th (39)	Weather 13h.—18h. 26th (40)	Weather 18h. 26th to 1h. 27th (41)	Weather 1h.—7h. 27th (42)
1	London (Kew)	cbzoy	bbcczo	czycy	c,bwbz
	Croydon	bcbzoy	bycy ⊕	cybcc	c,bwbz
	S. Farnborough	cbcbzoy	bbczocbcy	bcyc ⊕	cbcbm
	Boscombe Down	bczoy	cy	czo ⊕	cbcb
	Thorney Island	bcbzo	c	cbc	b
	Lympne	bc ⊕ b	bbcy	cybc ⊕	bc ⊕ b
	Manston	bcbzo	bzo bcc	c,bcbzo ⊕	cbcbzb
2	Shoeburyness	bcb	b,c	c	cbbc
	Felixstowe	b	b	bbcb	bc
	Gorleston	bby	bzo	bbc	bcc
	Mildenhall	b	by	bybc	bcb
	Cranwell	cbcby	by	bbw	bwb
3	Birmingham	czbc	bcb	b	bm
	Upper Heyford	bbc	bcbbc	bbc	bccmb
4	Ross-on-Wye	cbcy *	bcbcy	bc	beb
5	Hartland Point	cifc	cifo	c	c
	Bristol	cpfo,bzy	bcy	czobczo	bmo
	Portland Bill	c	c	c	bcbc
	Plymouth	crifofomo	cfofomo	cirobczo	beczir
	The Lizard	cpfoc	cbc	bcc	cbc
	Scilly (St. Mary's)	cifoc	c	cbc	bcc
	Guernsey				
6	Pembroke	qbccq	cq	bccq	cq
7	Holyhead (Valley)	bzoy	bzoy	byb	bmo
	Chester (Sealand)	bzoyby	bzoy	bzo	mozb
8	Manchester	by	by	b	bbz
10	Spurn Head	bq	q	bq	b
	Catterick	bcybbcy	bcyby	bwbmox	bmoxb
	Tynemouth	bcq	bcq,bc	b	b
11	St. Abbs Head	bcb	bcb	b	b
	Leuchars	bcby	bybcb	bbcb	b
12	Renfrew (Abbots I.)	bcby	bymo	b	b
	Eskdalemuir	bcby	by	b	bc
	Point of Ayre	by	b	b	b
13A	Tiree	bby	cby	b	b
13B	Stornoway	bcb	b	b	b
15	Dalwhinnie	bcy	bcy		bcy
	Aberdeen	b	b	b*	bw
	Wick	bv	b	b	bv
16	Sumburgh	bcc	cbcb	bcc,b	bcb
17	Blacksod Point	b	bc	b	b
18	Malin Head	b	bc	bcb	b
	Aldergrove	by	by	byb	b
19	Birr Castle	bc	bc		bc
20	Valentia Obsy.	r	r	bciro	r
	Roches Point	r	bc	bccroc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday April 27th 1942

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate to fresh easterly wind, strong locally on coasts; fine; cool.
5 S.W. England; 6 South Wales	Fresh or strong easterly wind; fair to cloudy; local showers; average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	As 0-4.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light to moderate east to southeast winds, fresh locally on coasts; fine, cool.
16 Orkneys and Shetlands	As 13A-15.
17 N. W. Ireland; 18 N. E. Ireland	As 0-4.
19 S. E. Ireland; 20 S. W. Ireland	As 5-6.

GENERAL INFERENCE

Pressure continues high to northeast of the British Isles and low to southwest. There will be occasional local thundery rain in the extreme South but elsewhere it will continue fine. The dry, cold easterly winds will persist but will be tempered by sunshine during the day.

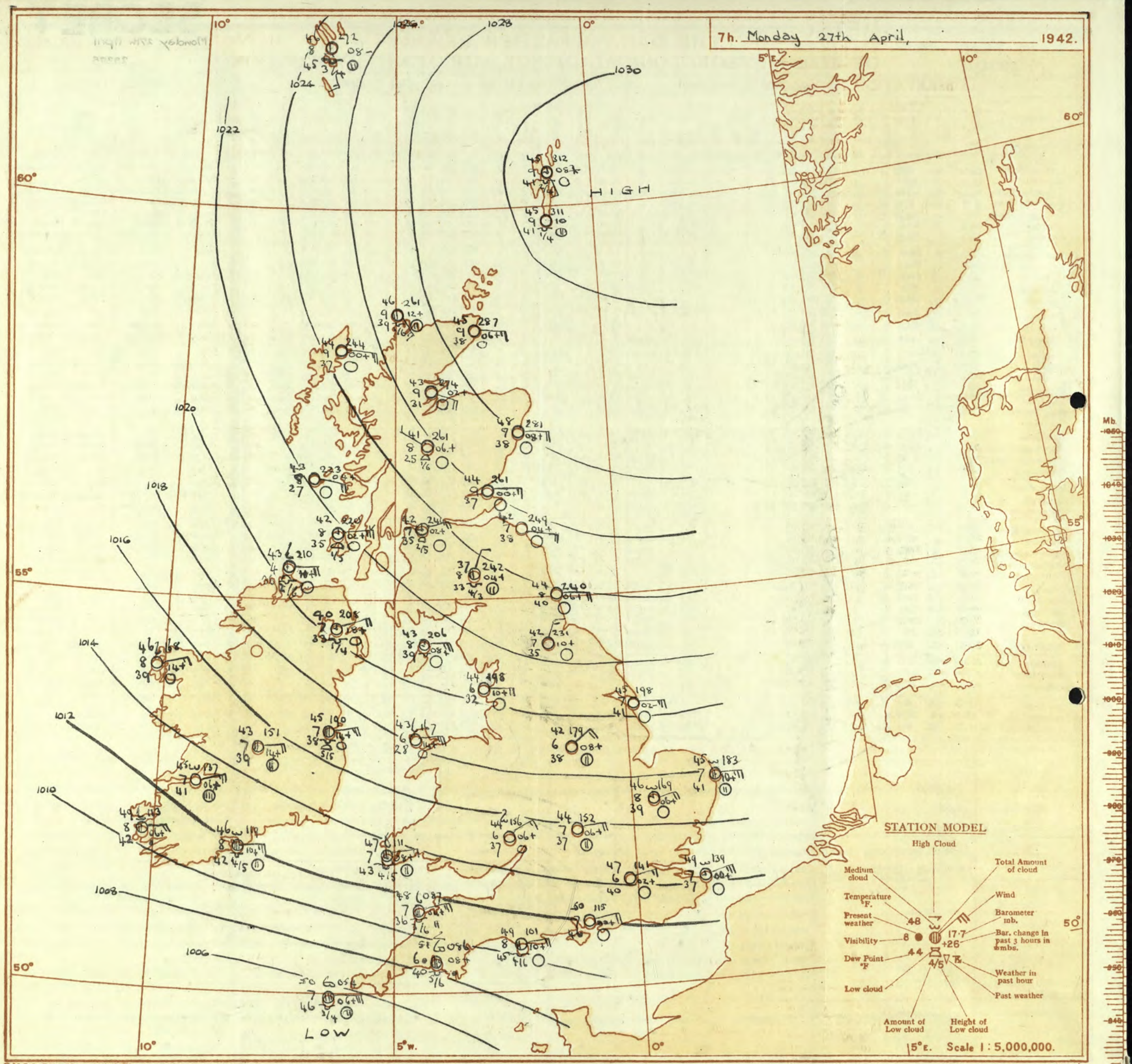
FURTHER OUTLOOK

Easterly wind continuing; fine over most of the country; local showers or occasional thundery rain in the Southwest.

Forecasts issued at 1030 G.M.T.

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

7h. Monday 27th April, 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

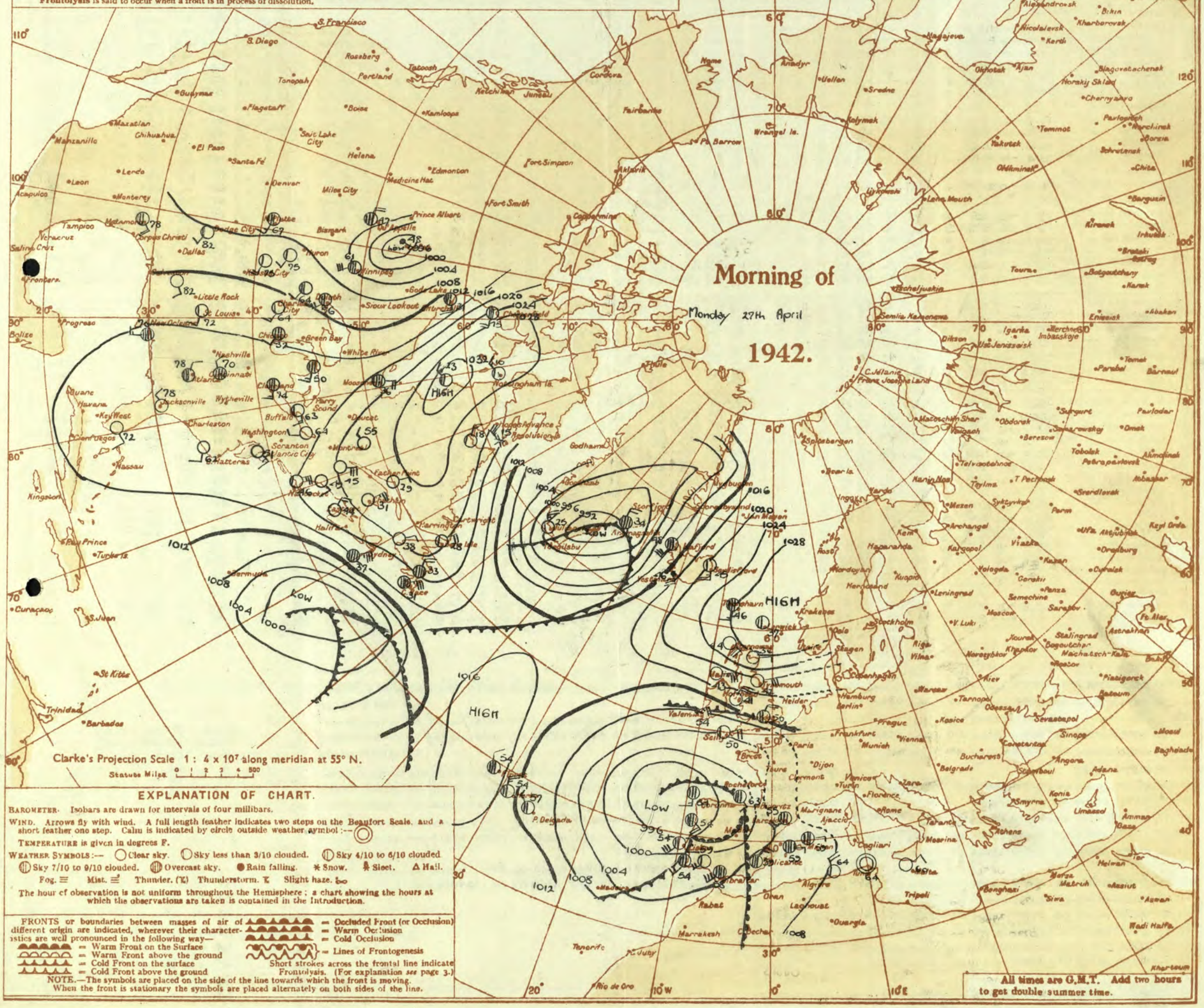
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Monday 27th April 1942

No. 23375

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)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon ...	290	13.9	-2	NE'E	2	c	45	85	40	6	-	4	7	0	10	-
	S. Farnborough	226	13.0	-6	E'NE	4	G	45	75	37	7	-	-	7	0	10	-
	Boscombe Down	417	12.4	+0	E'N	5	c	46	65	35	7	-	3	2	0	9	-
	Thorney Island	10	11.2	-2	NE'E	4	bc	50	85	45	7	-	-	8	0	4-6	-
	Lympne ...	283	14.1	+2	E'N	5	bc	51	65	39	7	-	-	2	0	4-6	-
	Manston ...	154	14.0	+2	E	4	c	48	75	41	7	-	-	6	0	9+	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15.7	-2	E'N	5	b	48	75	41	7	-	-	-	0	0	-
	Gorleston ...	5	17.6	+0	ENE	4	b	42	85	39	7	-	4	-	0	2-3	-
	Mildenhall ...	15	16.4	-6	ENE	3	bc	42	85	37	8	-	-	5	0	4-6	-
	Cranwell ...	203	18.4	-6	NE'E	4	b	39	85	36	7	-	-	2	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14.8	-10	ENE	4	bc	40	85	36	7	-	-	8	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09.2	+0	NE	4	c	50	75	41	7	5	1	-	7-8	9+	4000
	Bristol ...	209	13.9	+2	E'S	5	2_o	44	75	35	6	-	3	6	0	9	-
	Portland Bill ...	32	09.0	-8	E	4	c	49	85	45	7	5	-	-	10	10	4000
	Plymouth ...	82	08.3	-10	E	6	2_o	53	65	40	6	-	7	-	0	7-8	-
	The Lizard ...	240	07.1	-4	ENE	6	c	50	85	45	7	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	163	05.9	-8	E	5	bc	50	85	46	6	5	3	0	1	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	11.2	-4	ENE	7	c	47	85	43	7	5	3	-	4-6	9	4000
7	Holyhead (Valley)	32	15.0	+0	NE	6	b	41	85	35	7	-	-	-	0	0	-
	Chester (Sealand)	16	18.6	-2	NE'E	2	2_o	38	75	32	6	-	-	-	0	0	-
8	Manchester ...	236	19.0	+2	NNW	3	b	37	85	34	7	-	-	-	0	0	-
10	Spurn Head ...	29	20.6	+0	E'N	6	b	45	85	41	7	-	-	-	0	0	-
	Catterick ...	175	23.3	-2	N'E	2	2_o	35	92	33	6	-	-	-	0	0	-
	Tynemouth ...	108	23.9	-4	E	6	b	42	85	36	7	-	-	-	0	0	-
11	St. Abbs Head	280	24.6	+2	ESE	4	b	40	92	38	8	-	-	-	0	0	-
	Leuchars ...	36	26.2	+2	E	3	b	41	85	36	8	5	-	-	Tr	Tr	4000
12	Renfrew (Abbotsl.)	19	23.7	+2	ENE	4	b	38	75	30	8	1	-	-	Tr	Tr	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	26.0	+8	ESE	4	b	43	75	37	8	-	-	-	0	0	-
13A	Tiree ...	22	21.9	+0	E'S	1	b	39	55	29	8	-	-	5	0	Tr	-
13B	Stornoway ...	80	24.1	+6	ESE	4	b	44	75	39	8	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	28.2	+2	E'S	1	b	36	92	33	9	-	-	-	0	0	-
	Wick ...	114	28.2	+2	ESE	4	b	42	65	32	9	-	-	-	0	0	-
16	Sumburgh ..	19	30.0	+0	E'S	3	b	42	97	41	8	5	-	-	1	1	2500
17	Blacksod Point	18	15.5	+2	E'S	3	b	48	65	37	8	-	-	-	0	0	-
18	Malin Head ...	84	20.4	+10	E	7	b	43	85	39	8	-	-	-	0	0	-
	Aldergrove ...	268	19.5	+2	E	5	b	39	85	34	7	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10.8	-2	E'N	5	$1r_o$	54	65	43	7	5	7	-	9	10	4000
	Roches Point	22	11.3	+0	E	5	c/r	50	85	46	7	3	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 27th 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)	14.0	+6	NE'E	4	2_o	48	65	37	6	-	-	-	0	0	-	0	*
Croydon ...	14.1	+2	ENE	3	c	47	75	40	6	-	-	-	0	0	-	0	*
S. Farnborough	13.6	+6	ENE	4	2_o	47	75	39	6	-	-	1	0	Tr	-	0	*
Boscombe Down	12.9	0	E'N	5	2_o	47	75	38	6	-	-	1	0	Tr	-	0	*
Thorney Island	11.5	0	ENE	4	b	50	85	44	7	-	-	1	0	Tr	-	0	*
Lympne ...	13.9	0	NE'E	5	b	49	65	38	7	-	3	-	0	1	-	0	§ 4
Manston ...	13.9	+2	ENE	4	bc	48	75	39	7	5	-	-	2-3	2-3	7200	0	*
Shoeburyness ...	15.0	+2	E'N	4	c	48	75	40	8	-	5	-	0	7-8	-	0	*
Felixstowe ...	16.2	+6	ENE	5	c	47	75	44	7	5	-	-	9+	9+	5000	0	4
Gorleston ...	18.3	+16	E	5	c	45	85	40	7	-	3	-	0	7-8	-	0	5
Mildenhall ...	16.9	+6	ENE	4	b	46	75	37	8	-	3	-	0	1	-	0	*
Cranwell ...	18.7	+6	ENE	3	b	45	75	38	7	-	-	-	0	0	-	0	*
Birmingham ...	17.2	+4	NE	3	m	41	85	37	4	-	-	-	0	0	-	0	*
Upper Heyford	15.2	+6	ENE	4	b	44	75	36	7	-	-	-	0	0	-	0	*
Ross-on-Wye	15.6	+6	NE	3	b	44	75	37	6	-	-	8	0	Tr	-	0	*
Hartland Point	08.7	+4	ENE	5	c	48	65	38	7	5	4	-	2-3	7-8	3000	0	3
Bristol ...	14.1	+4	E	3	2_o	45	75	38	6	-	-	1	0	Tr	-	0	*
Portland Bill ...	10.1	+10	ENE	4	bc	49	85	45	8	5	-	-	4-6	4-6	4000	0	4
Plymouth ...	08.8	+8	E'S	7	ic	51	65	40	6	5	7	6	7-8	9+	4000	0	5
The Lizard ...	05.8	+4	NE	6	bc	49	92	48	7	8	6	-	4-6	4-6	2500	0	5
Scilly (St. Mary's)	05.4	+6	E'N	6	c	50	85	46	7	5	7	7	2-3	10	1800	0	5
Guernsey ...																	
Pembroke ...	11.1	+8	ENE	7	cq	47	85	43	7	5	4	-	4-6	7-8	3000	0	4
Holyhead (Valley)	16.7	+14	ENE	5	2_o	43	55	26	6	-	4	-	0	Tr	-	0	4
Chester (Sealand)	18.5	+8	ENE	1	2_o	43	75	35	5	-	-	-	0	0	-	0	*
Manchester ...	18.0	+8	ENE	3	2_o	44	75	36	6	1	-	1	0		3000	0	*
Spurn Head ...	19.8	-2	E	5	b	45	85	40	7	-	-	-	0	0	-	0	5
Catterick ...	23.1	+10	NNE	3	b	42	75	35	7	-	-	-	0	0	-	0	*
Tynemouth ...	24.0	+6	E	4	b	44	85	39	8	-	-	-	0	0	-	0	3
St. Abbs Head	24.0	+4	E	4	b	42	85	38	7	-	-	-	0	0	-	0	4
Leuchars ...	26.1	0	E	3	b	44	75	37	9	-	-	-	0	0	-	0	*
Renfrew (Abbotsl.)	24.4	+2	ENE	3	b	42	75	35	7	1	-	-	1	1	2500	0	*
Eskdalemuir ...	24.2	+4	NNE	2	bc	37	85	33	8	5	-	-	4-6	4-6	600	0	*
Point of Ayre ...	26.8	+8	E	5	b	43	85	38	8	5	-	-	Tr	Tr	1600	0	5
Tiree ...	22.3	+4	E'S	4	b	43	85	32	8	-	-	-	0	0	-	0	4
Stornoway ...	24.4	0	ESE	5	b	44	75	35	9	-	-	-	0	0	-	0	3
Dalwhinnie ...	26.1	+6	WNW	2	b	41	55	25	8	1	-	-	Tr	Tr	4000	0	*
Aberdeen † ...	28.1	+8	ESE	1	b	46	75	36	9	-	-	-	0	0	-	1	2
Wick ...	28.7	+6	E'S	3	b	45	75	36	9	-	-	-	0	0	-	0	*
Sumburgh ..	31.1	+10	ESE	3	b	46	85	41	9	5	-	-	Tr	Tr	1200	0	1
Blacksod Point	16.8	+14	E'N	3	b	46	75	39	8	-	4	-	0	0	-	0	3
Malin Head ...	21.0	+10	E	4	bc	43	75	36	8	4	4	-	1	2-3	4000	0	5
Aldergrove ...	20.8	+18	NE'E	4	b	40	75	33	7	5	-	-	Tr	Tr	1800	0	*
Birr Castle ...	15.1	+14	ENE	4	bc	43	85	39	7	-	-	5	0	4-6	-	0	*
Valentia Obsy.	11.3	+6	E'N	4	c	49	75	42	8	-	9	3	0	9	-	0	
Roches Point	11.9	+10	E	5	c	46	85	42	8	5	3	-	4-6	9	2500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F.	Temperature Min. Night 18h–7h °F	Temperature Min. on Grass °F.	Rainfall Day 7h–18h mm.	Rainfall Night 18h–7h mm.	Sunshine 26th Hrs. (38)
London (Kew)	57	45	40	-	Tr	8.6
Croydon ...	55	44	39	-	-	9.3
S. Farnborough	61	43	39	-	-	8.2
Boscombe Down	63	43		-	-	7.6
Thorney Island	64	46	41	-	-	*
Lympne ...	57	46	42	-	-	11.1
Manston ...	54	45	43	-	-	10.8
Shoeburyness ...	54	45	40	-	-	10.7
Felixstowe ...	51	45	41	-	-	12.4
Gorleston ...	47	43	40	-	-	10.6
Mildenhall ...	58	39	31	-	Tr	12.2
Cranwell ...	53	38	35	-	Tr	9.5
Birmingham ...	57	37	33	-	-	9.1
Upper Heyford	60	40	32	-	-	*
Ross-on-Wye	61	39	35	-	-	10.3
Hartland Point	57	46	46	Tr	-	1.2
Bristol ...	63	40	30	Tr	-	6.9
Portland Bill ...	54	44	*	-	-	*
Plymouth ...	57	49	46	Tr	Tr	0.5
The Lizard ...	52	48	*	0.5	-	4.7
Scilly (St. Mary's)	54	48	*	1	-	0.9
Guernsey ...						
Pembroke ...	59	38	*	-	-	5.5
Holyhead (Valley)	60	39	36	-	-	*
Chester (Sealand)	58	36	28	-	-	12.7
Manchester ...	57	36	30	-	-	*
Spurn Head ...	46	45	*	-	-	12.2
Catterick ...	52	34	25	-	-	13.1
Tynemouth ...	46	40	38	-	-	*
St. Abbs Head	45	38	*	-	-	*
Leuchars ...	47	40	36	-	-	13.8
Renfrew (Abbotsl.)	52	36	30	-	-	12.6
Eskdalemuir ...	51	31	28	-	-	12.5
Point of Ayre ...	54	41	*	-	-	12.3
Tiree ...	55	38	*	-	-	14.0
Stornoway ...	52	42	*	-	-	13.6
Dalwhinnie ...	50	31	17	-	-	13.2
Aberdeen † ...	47	40	34	-	-	13.8
Wick ...	47	40	38	-	-	*
Sumburgh ..	48	40	27	-	-	7.0
Blacksod Point	56	44	*	-	-	*
Malin Head ...	50	42		-	-	11.8
Aldergrove ...	53	36	33	-	-	13.
Birr Castle ...	57	39	37	-	-	
Valentia Obsy.	55	49	47	Tr	Tr	
Roches Point	54	45	*	0.4	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	10	02854	09424	10	00861	10401
115	54	01963	08414	54	01963	41514
203				00	00990	08310
206	04	00990	08502	00	00990	08600
210	04	00990	09401	00	00990	43400
220	00	00990	11200			
230	00	00990	06413	00	00990	08401
245	10	00951	08401	00	00890	07400
260	24	00851	04512	00	00890	04500
278	00	02890	42616	00	00890	42610
279	10	00861	05711	00	00890	38600
285						
288	10	00851	06511	00	00890	06500
575	00	00890	41401	03	00890	41401
301	10	00752	42602	00	00790	42500
321	10	00853	38413	00	00890	39500
299	50	01751	07511	00	00790	08500
292	14	00952	39412	00	00890	06300
310						
614	50	01752	06512	00	00790	39511

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	00	00990	11300	00	00890	12400
115	54	01963	08414	54	01961	12313
203						
206	00	00990	08600	00	00990	10400
210	00	00990	07100	00	00990	08309
220				00	00990	14300
230	00	00990	06400	03	00890	06401
245				00	00990	06400
260	00	00890	04410	50	01673	04303
278	00	00890	43400	00	00890	08500
279	00	00790	05400	00	00890	05500
285				20	01443	12413
288	00	00790	04200	00	00790	04200
575						
301	00	00790	08400	00	05690	08400
321	00	00790	02200	00	00790	05400
299	00	00790	08500	00	00790	08400
292	00	00790	06300	00	00890	06300
310				--	01633	08513
614	00	05690	37400	00	05690	04400

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	07600	5-	00762	05502
334						
340	10	00762	09502	00	00890	08601
136	00	00790	08510	00	00890	08502
336						
350	10	01851	38503	00	01790	06514
368	03	00790	39513	04	01790	40627
379	00	01890	39613	00	01890	06514
390	00	00790	41501	00	01790	06514
382	10	00861	40412	00	01790	41415
438	07	01790	04513			
430	00	01890	39515	00	02890	37415
409	57	25664	42688	07	01790	09485

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00890	05602	00	00790	04301
334				--	01572	08301
340	00	00790	04203	03	00790	06301
136	00	00890	06302	00	00890	06400
336				54	01754	04415
350	00	05690	04415	00	00790	05400
368	11	02651	37528	04	00790	06513
379	00	01790	06514	00	00890	06400
390	03	01790	06413	00	00790	06300
382	00	01890	38314	04	00790	05301
438				00	05790	06513
430	00	01790	39514	00	00790	37401
409	07	05690	40565	57	61754	41666

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of .....
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 ...	cbzoy	bbccz0	czoycy	Kew 24 hours ended 7h. Max. Temp. 04 7.22h 26th
Croydon ...	bcbzoy	bycy⊕	cybcc	
Greenwich ...	⊕by	bbc⊕y	b⊕cby	
Camden Square	c	bc	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	bc	Min. Temp. 10.1 0.22h 27th

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	45	40	-	Tr	8.6	*	*
Croydon ...	35	34	39	-	-	9.3	*	*
Greenwich ...	57	45	37	-	-	8.6	53	57
Westminster ...	58	46	41	-			58	63
Regents Park ...	59	44	38	-	-		43	56
Camden Square	61	44	36	-	-	*	*	58
Kensington ...	60	44	38	-	-		56	61
Hampstead ...	56	42	38	-	-		*	76

SECRET

Page 1

BRITISH SECTION

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

Tuesday 28th April 1942

No. 29376

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	12·6	-8	E'N	6	z_0	58	45	38	6	1	-	1	Tr	1	2500
	Croydon ...	12·7	-14	ENE	5	bc	56	55	40	7	-	-	4	0	2-3	-
	S. Farnborough	11·3	-10	E'N	6	bc	59	55	41	7	1	-	4	1	2-3	2500
	Boscombe Down	10·7	-12	ENE	6	bc	62	45	39	7	1	-	5	Tr	2-3	4000
	Thorney Island	09·6	-10	NE	5	bc	63	55	45	7	1	4	8	2-3	4-6	4000
	Lympne ...	12·7	-10	ENE	5	c	59	55	43	8	-	9	2	0	7-8	-
	Manston ...	12·7	-10	ENE	6	bc	54	65	42	7	-	-	6	0	4-6	-
2	Shoeburyness ...	14·2	-2	NE'E	6	bc	53	65	41	8	-	-	6	0	2-3	-
	Felixstowe ...	15·2	-6	ENE	6	b	51	65	39	7	5	-	5	Tr	1	5700
	Gorleston ...	17·5	-8	E	6	b	47	75	38	7	-	-	-	0	0	-
	Mildenhall ...	15·7	-8	ENE	6	c	57	45	37	8	-	3	-	0	9+	-
	Cranwell ...	17·5	+2	E'N	6	b	50	45	28	8	-	-	-	0	1	-
3	Birmingham ...	14·3	-8	ENE	5	z_0	56	52	54	6	5	3	-	7-8	9+	4000
	Upper Heyford	12·9	-14	ENE	5	z_0	56	55	40	6	7	-	-	7-8	7-8	3500
4	Ross-on-Wye	12·5	-14	E'N	5	cq	57	55	40	7	7	-	-	9+	9+	3500
5	Hartland Point	08·0	-6	ENE	6	bc	54	65	42	7	-	4	3	0	4-6	-
	Bristol ...	11·5	-14	E'N	5	c	60	55	43	7	1	3	-	7-8	7-8	4000
	Portland Bill ...	09·5	-4	E	4	c	54	85	50	8	5	-	-	7-8	7-8	4000
	Plymouth ...	07·8	-6	E'S	7	bc	61	55	43	7	-	-	2	0	2-3	-
	The Lizard ...	05·9	-4	ENE	7	bc	55	65	45	7	7	4	-	4-6	4-6	2500
	Scilly (St. Mary's)	06·6	+2	E'N	6	c	57	75	48	7	8	3	-	2-3	9+	1800
	Guernsey ...															
6	Pembroke ...	10·5	-10	E	7	bcq	60	55	40	7	-	4	1	0	4-6	-
7	Holyhead (Valley)	15·0	-18	ENE	6	z_0	60	35	35	6	-	-	-	0	0	-
	Chester (Sealand)	16·1	-14	ENE	5	z_0	61	35	36	6	1	-	-	1	1	3000
8	Manchester ...	17·1	-6	ENE	5	b	60	35	32	8	1	-	-	Tr	Tr	4000
10	Spurn Head ...	20·0	0	E'N	7	b	46	85	40	7	-	-	-	0	0	-
	Catterick ...	22·1	-6	E'S	5	b	59	55	42	9	1	-	-	Tr	Tr	4000
	Tynemouth ...	25·0	0	E	4	b	46	85	40	7	1	-	-	1	1	3000
11	St. Abbs Head	26·2	+8	E	3	b	47	75	40	7	1	-	-	Tr	Tr	4000
	Leuchars ...	26·6	-8	E	4	b	49	65	38	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	22·9	-12	E	4	b	56	35	30	7	-	-	-	0	0	-
	Eskdalemuir ...	22·2	-2	E	5	b	56	35	27	8	-	-	-	0	0	-
	Point of Ayre...	19·7	-6	E'N	3	c	53	75	43	8	-	4	-	0	Tr	-
13A	Tiree	22·6	-8	ESE	3	b	55	45	34	8	-	-	-	0	0	-
13B	Stornoway ...	25·1	+2	ENE	3	b	55	65	41	9	-	-	-	0	0	-
15	Dalwhinnie ...	25·3	+6	SE	4	b	54	25	20	8	-	-	-	0	0	-
	Aberdeen ...	28·7	0	ESE	3	b	49	65	39	7	-	-	-	0	0	-
	Wick ...	29·0	0	ESE	3	b	48	75	41	9	-	-	-	0	0	-
16	Sumburgh ...	31·4	+4	ESE	4	b	50	75	41	9	-	-	-	0	0	-
17	Blacksod Point	16·9	-2	E'N	2	b	59	55	43	8	-	-	-	0	0	-
18	Malin Head ...	20·8	-2	ESE	6	b	48	65	37	8	-	-	-	0	0	-
	Aldergrove ...	20·0	-6	ENE	4	b	57	45	35	8	-	4	-	0	Tr	-
19	Birr Castle ...	15·4	0	ENE	4	c	59	55	43	7	5	-	5	4-6	7-8	2500
20	Valentia Obsy.	12·2	+4	ENE	4	c	61	55	45	8	-	7	1	0	7-8	-
	Roches Point	12·7	0	NE'E	8	bc	57	65	45	8	-	4	5	0	2-3	-

OBSERVATIONS at 18h. G.M.T. 27th 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. (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)	11·8	0	E'N	5	z_0	59	55	34	6	7	3	1	4-6	9+	4000	0	*
	Croydon ...	12·1	-2	ENE	5	c	55	55	39	7	5	7	6	Tr	7-8	2500	0	*
	S. Farnborough	11·2	+4	E'N	5	z_0	59	48	38	6	8	3	-	2-3	9+	4000	0	*
	Boscombe Down	10·6	+6	ENE	5	i_0	58	55	39	7	5	6	-	7-8	9+	4000	0	*
	Thorney Island	09·5	+2	NE	5	c/r	59	55	43	7	5	7	-	9+	10	7200	0	*
	Lympne ...	12·3	-6	ENE	4	c	54	65	41	8	5	4	6	1	9+	5500	0	§ 5
	Manston ...	11·7	-2	ENE	5	z_0	52	65	50	6	-	-	6	0	9+	-	0	*
2	Shoeburyness ...	13·0	-10	NE	6	c	52	65	49	8	-	-	6	0	9+	-	0	*
	Felixstowe ...	13·0	-8	NE'E	6	c	50	65	38	8	-	-	6	0	9	-	0	5
	Gorleston ...	16·8	-10	ENE	6	z_0	47	85	42	6	-	-	8	0	4-6	-	0	6
	Mildenhall ...	15·2	-2	ENE	6	b	54	45	36	8	-	4	1	0	1	-	0	*
	Cranwell ...	18·0	+2	ENE	5	b	47	75	38	8	-	-	-	0	0	-	0	*
3	Birmingham ...	14·8	+4	ENE	4	z_0	52	55	37	7	-	-	1	0	Tr	-	0	*
	Upper Heyford	12·9	+6	ENE	4	b	56	55	38	6	-	4	6	0	1	-	0	*
4	Ross-on-Wye	12·3	0	E'N	5	cq	57	55	39	7	5	-	1	7-8	9	4000	0	*
5	Hartland Point	07·5	-2	E	5	bc	55	65	35	7	-	4	3	0	4-6	-	0	4
	Bristol ...	11·5	+8	E'N	4	c	59	55	31	7	5	3	1	1	9+	3500	0	*
	Portland Bill ...	08·2	-14	NE	4	c	54	92	50	7	4	-	-	10	10	2500	0	5
	Plymouth ...	07·1	0	E	6	c	58	55	35	7	5	2	-	4-6	10	5700	0	5
	The Lizard ...	05·8	-2	NE'E	6	c	53	85	47	7	8	2	-	7-8	10	2000	0	5
	Scilly (St. Mary's)	05·7	-2	NE'E	5	c	57	75	47	7	8	7	-	4-6	9+	1800	0	4
	Guernsey ...																	
6	Pembroke ...	10·6	+2	E'N	6	bcq	57	65	46	7	2	6	1	2-3	4-6	3000	0	3
7	Holyhead (Valley)	14·7	0	ENE	6	bc	54	35	38	7	-	3	-	0	2-3	-	0	4
	Chester (Sealand)	16·4	+2	ENE	4	bc	54	45	35	7	4	8	1	1	2-3	4000	0	*
8	Manchester ...	17·2	+4	E'N	5	b	52	45	31	8	-	4	-	0	1	-	0	*
10	Spurn Head ...	18·8	-2	E'N	7	bq	44	85	41	7	-	-	-	0	0	-	0	5
	Catterick ...	23·1	+10	ENE	4	b	47	55	40	9	-	-	-	0	0	-	0	*
	Tynemouth ...	25·3	+4	E	5	b	43	75	37	8	-	-	-	0	0	-	0	4
11	St. Abbs Head	25·8	0	NE	4	b	42	85	37	8	2	-	-	Tr	Tr	4000	0	4
	Leuchars ...	27·3	+4	E	4	b	46	65	37	8	1	-	-	1	1	3000	0	*
12	Renfrew (Abbots I.)	23·4	+8	E	5	z_0	53	45	34	9	-	-	-	0	0	-	0	*
	Eskdalemuir ...	26·5	+10	E	5	b	48	45	42	8	-	-	-	0	0	-	0	*
	Point of Ayre...	19·5	0	ESE	4	b	58	65	41	8	-	4	-	0	Tr	-	0	4
13A	Tiree	22·1	0	SE'E	2	b	50	75	42	8	-	-	5	0	Tr	-	0	3
13B	Stornoway ...	23·8	-6	ENE	5	b	55	65	45	8	-	-	-	0	0	-	0	3
15	Dalwhinnie ...		+4	SE	4	b	50	38	25	8	1	-	-	Tr	Tr	4000	0	*
	Aberdeen ...	29·1	+2	SE	2	b	45	85	39	8	1	-	-	Tr	Tr	2700	0	*
	Wick ...	29·1	+4	ESE	3	b	46	85	42	8	5	-	-	Tr	Tr		0	*
16	Sumburgh ...	31·7	0	E	3	b	48	75	41	9	-	-	-	0	0	-	0	1
17	Blacksod Point	17·0	+2	S'E	4	b	58	55	43	8	-	-	-	0	0	-	0	4
18	Malin Head ...	20·3	-2	ESE	3	b	51	55	36	8	-	-	-	0	0	-	0	3
	Aldergrove ...	18·5	+2	E'N	4	b	55	45	42	8	-	-	-	0	0	-	0	*
19	Birr Castle ...	14·7	-2	ENE	4	bc	58	45	45	7	-	-	8	0	2-3	-	0	*
20	Valentia Obsy.	12·0	+2	NE'E	4	b	61	55	46	8	1	-	-	1	1	4000	0	2
	Roches Point	11·8	-10	E'N	5	bc	60	55	47	8	1	3	5	Tr	4-6	4000	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 27th (39)	13h.—18h. 27th (40)	18h. 27th—1h. 28th (41)	1h.—7h. 28th (42)
1	London (Kew)	bz$_0$y	b,cz$_0$y	cy	cz$_0$y
	Croydon	bz$_0$bby	bcy	cybyc	cez$_0$
	S. Farnborough	bz$_0$bcy	bcyez$_0$	cz$_0$cy ⊕	cyc ⊕
	Boscombe Down	bz$_0$bcy	cyfc	cz$_0$	bez$_0$c
	Thorney Island	bbybcy	b,c	cnbcy	c
	Lympne	bbcy ⊕	bccy	cwy	cbccy
	Manston	bbc	bbcez$_0$	cb$_0$cz$_0$	cz$_0$ ⊕
2	Shoeburyness	bc	bcy	c	c ⊕
	Felixstowe	cbcb	bbzc	cbc	bcc
	Gorleston	bcqb	bbez$_0$	bccz$_0$q	cbez$_0$
	Mildenhall	b,cy	cyby	bybcybcby	bc
	Cranwell	by	by	b	b
3	Birmingham	b,cz	cbz	b	bz
	Upper Heyford	bycbc	bcybz$_0$	cz$_0$	cz$_0$cbc
4	Ross-on-Wye	bbcy	cbcc	bc	bcbcc
5	Hartland Point	cbc	bcc	bcc	c
	Bristol	bybcy	bcycy	cyc	cz$_0$
	Portland Bill	bcc	ccprc	cc	c
	Plymouth	cz$_0$irbcz$_0$	bcycy	cirbbz$_0$	cyirbb
	The Lizard	bc	c	cpr$_0$c	cprc
	Scilly (St. Mary's)	c	c	c	cirbb
	Guernsey				
6	Pembroke	bcyq	cq	cq	
7	Holyhead (Valley)	bm$_0$	bz$_0$y	bybz$_0$	b,z$_0$
	Chester (Sealand)	bz$_0$y	cbcy	bcybm$_0$	bcm$_0$bz$_0$
8	Manchester	by	bcy	bz$_0$b	bbez$_0$
10	Spurn Head	b	bq	bq	b
	Catterick	by	by	byb	b
	Tynemouth	bbc	b	b	bf
11	St. Abbs Head	b	b	b	b
	Leuchars	b	b	bbc	bcb
12	Renfrew (Abbots I.)	bby	by$_0$	byz$_0$b	b,bc
	Eskdalemuir	bcby	by$_0$	bc	bc
	Point of Ayre	b	b	b	b
13A	Tiree	by	by	b	b
13B	Stornoway	b	b	b	b
15	Dalwhinnie	bcby	cbcy	*	bcby
	Aberdeen	bwb	b	b	bw
	Wick	b	b	b	b
16	Sumburgh	b	b	b	b
17	Blacksod Point	b	b	b	b
18	Malin Head	b	b	b	b
	Aldergrove	bby	by	byb	bbyb
19	Birr Castle	bc	bc	*	bc
20	Valentia Obsy.	r	bc	b	bc
	Roches Point	r	b	bbc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 28th April 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Fresh to strong and squally easterly winds reaching gale locally; mainly fair but risk of slight occasional rain near south coast; cool.
5 S.W. England 6 South Wales	Strong and squally easterly winds, gale at times; cloudy with slight occasional rain and risk of local thunder; cool.
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	Fresh to strong and squally easterly winds reaching gale locally; fine; cool.
14 Mid Scotland 15 N.E. Scotland	Moderate E. to S.E. winds, fresh locally; fine; cool.
16 Orkneys and Shetlands	As 14-15.
17 N. W. Ireland 18 N. E. Ireland	As 7-13 B.
19 S. E. Ireland 20 S. W. Ireland	As 0-4.

GENERAL INFERENCE

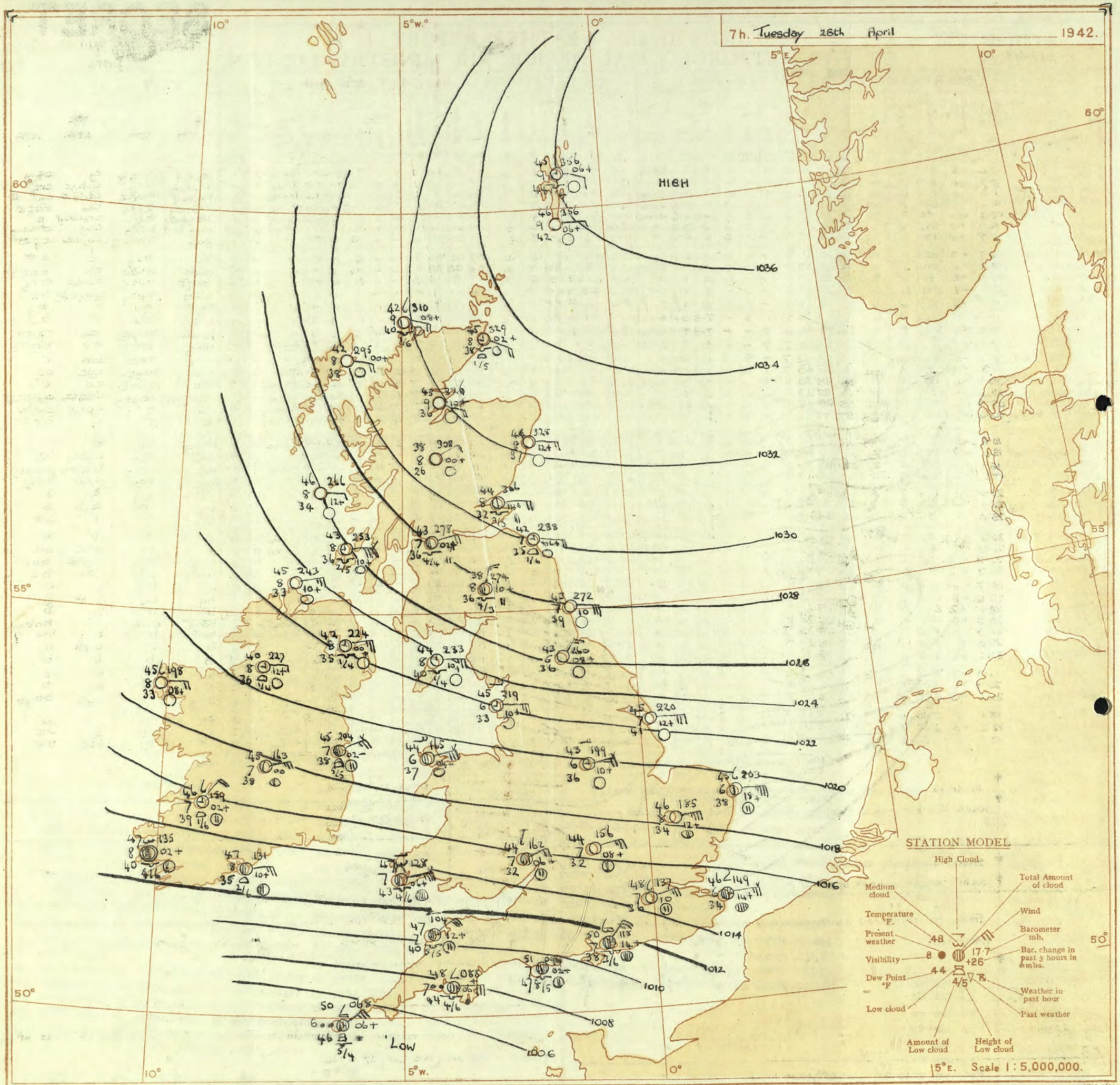
Pressure continues high to N.E. of the British Isles and low to the S.W. It will be cloudy with slight local rain in the South but elsewhere the fine weather will continue. The cold easterly winds will persist in many areas but temperature is likely to rise somewhat in the South.

FURTHER OUTLOOK

Similar. ▼ Gale warning in operation in districts 1, 2, 5, 6, 10 and 19. Times of issue 1000 and 1410 on 27.4.42.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

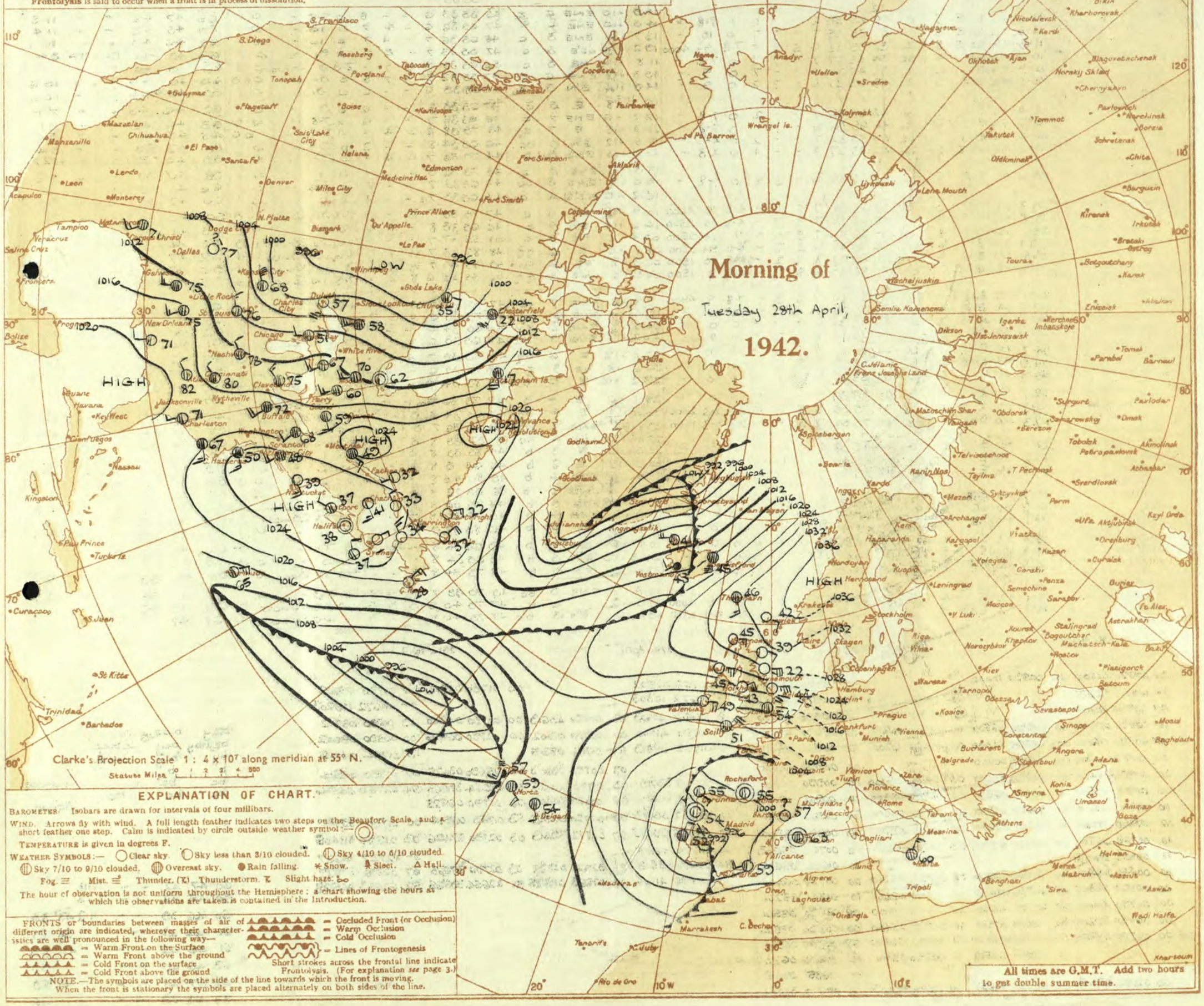
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Tuesday 28th April 1942

No. 29376

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)	Humidt. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	13.0	+2	ENE	5	c	49	65	38	6	-	-	6	0	7-8	-
	S. Farnborough	226	12.3	-2	NE¹E	5	c	51	55	35	7	-	3	7	0	10	-
	Boscombe Down	417	11.8	+6	NE¹E	5	2o	51	55	35	6	5	3	-	7-8	9+	4000
	Thorney Island	10	10.4	+2	NE	4	bc	54	55	37	7	-	7	7	0	7-8	-
	Lympne ..	283	12.9	+2	E	6	c	51	45	34	7	-	-	7	0	9	-
	Manston ...	154	13.1	+2	E¹N	5	2o	49	65	37	6	-	7	2	0	9	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15.4	+2	E¹N	6	bc	48	65	36	7	-	-	2	0	7-8	-
	Gorleston ...	5	18.2	+4	E¹S	6	2o	46	65	36	6	-	1	-	0	7-8	-
	Mildenhall ...	15	16.4	+2	E¹N	5	bc	47	55	32	7	-	-	2	0	4-6	-
	Cranwell ...	203	19.1	-2	NE¹E	5	b	42	85	37	7	-	-	4	0	2-3	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14.6	+0	ENE	5	2o	43	65	35	6	-	3	8	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09.3	+2	NE	5	c	50	75	41	7	5	1	-	4-6	10	4000
	Bristol ...	209	13.5	+4	E	5	c	48	65	36	7	5	7	-	4-6	10	2500
	Portland Bill ...	32	09.0	+6	ENE	4	o	50	85	46	7	5	-	-	10	10	2500
	Plymouth ...	82	08.1	-4	E	6	2o2o	54	65	41	6	5	7	-	4-6	9+	2500
	The Lizard ...	240	06.8	+0	ENE	6	c/pr	52	85	47	7	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	06.4	-8	NE¹E	5	c	51	85	47	6	8	7	-	4-6	9	1500
	Guernsey ...	175															
6	Pembroke ...	142	12.1	-2	ENE	6	cq	49	85	44	7	5	3	-	7-8	9	4000
7	Holyhead (Valley)	32	17.5	+14	ENE	6	b	43	75	36	7	-	-	-	0	0	-
	Chester (Sealand)	16	19.7	+0	NE¹E	2	b	41	75	34	6	-	-	-	0	0	-
8	Manchester ...	235	19.6	+6	NE	4	b	40	75	34	7	-	-	-	0	0	-
10	Spurn Head ...	29	20.7	+0	E¹N	7	bq	44	85	41	7	-	-	-	0	0	-
	Catterick ...	175	24.5	-2	ENE	3	b	40	85	35	7	-	-	-	0	0	-
	Tynemouth ...	108	25.9	+0	E	6	b	42	85	37	8	-	-	-	0	0	-
11	St. Abbs Head	280	28.1	+8	E	4	b	40	97	39	7	-	-	-	0	0	-
	Leuchars ...	36	29.1	+14	E	4	bc	41	75	35	8	5	-	-	2-3	2-3	2000
12	Renfrew (Abbots I.)	19	27.3	+8	E¹N	4	bc	40	75	34	7	5	-	-	2-3	2-3	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	22.1	+0	E	5	b	44	85	38	8	-	-	-	0	0	-
13A	Tiree	22	25.2	+8	E	2	b	44	65	34	8	-	-	-	0	0	-
13B	Stornoway ...	80	29.5	+30	E	3	b	45	85	40	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	31.7	+10	ESE	2	b	39	92	36	8	5	-	-	Tr	Tr	1500
	Wick ...	114	31.9	+10	SE	4	b	43	75	37	8	-	-	-	0	0	-
16	Sumburgh ..	19	34.1	+10	SE	2	b	42	92	40	9	-	-	-	0	0	-
17	Blacksod Point	18	19.4	+2	E	4	b	48	65	37	8	-	-	-	0	0	-
18	Malin Head ...	84	23.5	+14	E	5	b	45	55	31	8	-	-	-	0	0	-
	Aldergrove ...	268	22.3	+6	ENE	5	b	39	85	34	7	-	-	1	0	Tr	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14.1	+2	E	4	b	49	65	38	7	1	-	1	Tr	1	4000
	Roches Point	22	13.1	-2	ENE	4	bc	50	75	42	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 28th 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)	Humidt. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount Low 0–10 (28)	Cloud. Amount Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	14.9	+10	ENE	6	2o	45	55	33	6	-	-	8	0	7-8	-	0	*
Croydon ...	14.5	+10	ENE	4	2o	47	65	36	6	-	4	7	0	10	-	0	*
S. Farnborough	13.7	+10	ENE	5	c	48	65	36	7	-	4	7	0	10	-	0	*
Boscombe Down	13.2	+14	NE¹E	5	c	47	55	33	7	-	8	8	0	9+	-	0	*
Thorney Island	11.8	+14	NE	5	c	50	65	39	7	5	7	-	2-3	8	4000	0	*
Lympne ..	15.3	+18	ENE	6	c	47	55	32	8	-	7	8	0	9+	-	0	5
Manston ...	14.9	+14	E¹N	5	2o	46	65	36	6	-	-	6	0	9+	-	0	*
Shoeburyness...	16.3	+8	E	5	c	47	65	35	8	-	-	6	0	9	-	0	*
Felixstowe ...	16.7	+6	ENE	7	c	46	65	36	7	-	-	6	0	7-8	-	0	5
Gorleston ...	20.3	+18	E	7	2o	45	75	38	6	-	4	-	0	2-3	-	0	6
Mildenhall ...	18.5	+12	E¹N	5	bc	46	65	34	8	-	-	2	0	2-3	-	0	*
Cranwell ...	20.0	+14	ENE	5	b	44	75	36	7	-	4	-	0	Tr	-	0	*
Birmingham ...	18.3	+6	ENE	5	2	43	75	33	5	-	-	1	0	1	-	0	*
Upper Heyford	15.6	+8	ENE	5	bc	44	65	33	7	-	-	2	0	4-6	-	0	*
Ross-on-Wye	16.2	+6	NE¹E	4	c	44	65	33	7	-	-	4	0	9	-	0	*
Hartland Point	10.4	+12	NE	6	c	47	75	39	7	5	-	5	7-8	9+	2500	0	5
Bristol ...	14.2	+10	E¹N	4	c	46	65	33	8	-	7	6	0	9	-	0	*
Portland Bill ...	09.4	+2	NE	4	c	51	85	47	7	5	-	-	10	10	2500	1	5
Plymouth ...	08.8	+6	E	6	2o	48	85	43	7	5	1	-	4-6	10	5000	1	4
The Lizard ...	06.3	+2	NE	6	c/pr	49	85	45	7	8	2	-	9	10	1500	1	4
Scilly (St. Mary's)	06.8	+6	NE	5	2o	50	85	46	6	8	2	-	7-8	10	1200	1	4
Guernsey ...																	
Pembroke ...	12.8	+6	ENE	7	cq	47	85	42	7	5	6	1	4-6	7-8	3000		
Holyhead (Valley)	16.5	-4	ENE	6	2o	44	75	35	6	-	-	2	0	4-6	-	0	4
Chester (Sealand)	20.5	+8	ENE	2	2o	44	65	34	6	-	-	1	0	1	-	0	*
Manchester ...	20.2	+12	ENE	5	bc	44	65	33	6	1	-	1	Tr	4-6	4000	0	*
Spurn Head ...	22.0	+12	E	6	bq	45	85	39	7	-	-	-	0	0	-	0	5
Catterick ...	26.0	+8	NE	3	2	43	75	37	6	-	-	-	0	0	-	0	*
Tynemouth ...	27.2	+10	E	6	b	43	85	34	7	-	-	-	0	0	-	0	4
St. Abbs Head	28.5	+6	E	4	b	42	75	36	7	1	-	-	Tr	Tr	4000	0	4
Leuchars ...	30.6	+14	E	4	bc	44	65	34	8	5	-	-	2-3	2-3	2500	0	*
Renfrew (Abbots I.)	27.8	+2	ENE	4	bc	43	75	36	7	5	-	-	4-6	4-6	1600	0	*
Eskdalemuir ...	27.4	+10	NNE	4	bc	38	82	35	8	5	-	-	4-6	4-6	800	0	*
Point of Ayre...	23.3	+10	E	5	b	44	85	39	8	5	-	5	Tr	1	1800	0	5
Tiree	26.6	+12	E	2	b	46	65	5	8	-	-	-	0	0	-	0	3
Stornoway ...	29.5	0	ESE	4	b	45	85	40	8	-	-	-	0	0	-	0	3
Dalwhinnie ...	30.0	0	NE	2	b	38	55	22	8	-	-	-	0	0	-	0	*
Aberdeen † ...	32.8	+12	ESE	3	b	44	75	35	8	-	-	-	0	0	-	1	2
Wick ...	32.9	+2	ESE	4	b	45	75	36	8	7	-	-	Tr	Tr	2500	0	*
Sumburgh ..	35.6	+6	E	2	b	46	85	42	9	-	-	-	0	0	-	0	1
Blacksod Point	19.5	+8	E	4	b	45	65	34	8	-	4	-	0	Tr	-	0	4
Malin Head ...	24.3	+10	E¹N	5	b	45	65	34	8	-	-	-	0	0	-	0	5
Aldergrove ...	22.4	0	E¹N	5	b	42	75	34	8	5	-	-	Tr	Tr	1600	0	*
Birr Castle ...	16.3	0	ENE	5	bc	45	75	39	7	*	-	8	0	2-3	-	0	*
Valentia Obsy.	13.5	+2	-	0	c	47	70	40	8	5	3	5	4-6	7-8	4000	0	2
Roches Point	13.1	0	E¹N	5	bc	47	78	40	8	1	-	5	1	4-6	4000	0	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	60	47	42	-	-	11.8
Croydon ...	59	45	42	-	-	11.4
S. Farnborough	62	46	43	-	-	10.1
Boscombe Down	63	45	41	Tr	Tr	9.4
Thorney Island	65	49	46	-	-	*
Lympne ..	60	46	44	-	-	10.6
Manston ...	55	45	44	-	-	10.0
Shoeburyness...	56	46	40	-	-	7.4
Felixstowe ...	53	46	42	-	-	7.1
Gorleston ...	48	43	40	-	-	9.0
Mildenhall ...	59	42	38	-	-	9.4
Cranwell ...	55	40	37	-	-	12.7
Birmingham ...	58	40	35	-	-	8.2
Upper Heyford	60	41	39	-	-	*
Ross-on-Wye	60	42	38	-	-	8.3
Hartland Point	56	46	46	-	-	7.5
Bristol ...	63	41	42	-	-	10.0
Portland Bill ...	55	46	*	Tr	-	*
Plymouth ...	62	47	45	Tr	0.5	7.1
The Lizard ...	56	47	*	-	0.5	6.[illegible]
Scilly (St. Mary's)	57	48	*	-	3	2.9
Guernsey ...						
Pembroke ...	62		*	-		
Holyhead (Valley)	63	41	37	-	-	*
Chester (Sealand)	62	39	34	-	-	9.0
Manchester ...	61	40	34	-	-	*
Spurn Head ...	48	42	*	-	-	12.4
Catterick ...	58	43	32	-	-	13.4
Tynemouth ...	47	41	39	-	-	*
St. Abbs Head	47	39	*	-	-	
Leuchars ...	49	41	37	-	-	14.3
Renfrew (Abbots I.)	58	39	34	-	-	13.1
Eskdalemuir ...	57	34	32	-	-	12.1
Point of Ayre...	58	42	*	-	-	
Tiree	59	43	*	-	-	14.0
Stornoway ...	58	43	*	-	-	13.0
Dalwhinnie ...	56	26	16	-	-	18.4
Aberdeen † ...	49	41	36	-	-	13.7
Wick ...	50	40	39	-	-	*
Sumburgh ..	51	39	24	-	-	13.3
Blacksod Point	60	38	*	-	-	*
Malin Head ...	53	43		-	-	
Aldergrove ...	59	38	35	-	-	13.4
Birr Castle ...	61	41	39	-	-	12.2
Valentia Obsy.	65	47	42	Tr	-	
Roches Point	61	47	*	0.3	*	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th April				18h. G.M.T.				01h. G.M.T. 28th 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$_M$
100 00	00890	44400	00	00890	10400				00	00990	10400				
115 54	01961	12313				54	00961	12213	54	00961	08483				
203 00	00990	12400				00	00990	08500	00	00990	08500				
206 00	00890	07400	00	00990	08500	00	00990	10500	00	00990	10400				
210 00	00990	11400	00	00990	12400	00	00890	10200	50	00941	08311				
220 00	00990	14300	00	00990	00000				00	00990	12400				
230 00	00990	08400	00	00990	08400	00	00990	06300	00	00990	04300				
245 00	00990	07500	10	00851	06301	00	00990	06300	10	00841	07401				
260 00	00890	04600	00	00890	04500	00	00890	04400	50	01764	04414				
278 00	00890	09500	00	14800	42600	00	00890	42500	00	00890	18500				
279 10	00761	06701	00	00890	39700	03	00701	06601	50	00763	05603				
285 10	00852	10602							20	01624	08614				
288 10	00861	04401	20	01854	39504	00	00790	06200	00	00790	06400				
578 00	00890	08300	00	00790	08400	04	00790	06401	10	00841	08201				
301 00	00790	41600	00	00790	42700	00	00790	07500	00	05690	08501				
321 00	00890	39600	50	00841	39501	00	00790	06400	00	00890	38500				
299 00	00790	08400	00	00790	08500	00	00790	06500	57	00790	06500				
292			10	00951	06501	00	00790	05300	04	00890	06301				
310									--	01635	08615				
614 00	02790	39605	00	00890	39521	00	05690	04403	00	05690	39412				

13h. G.M.T. 27th April				18h. G.M.T.				01h. G.M.T. 28th 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$_M$
333 10	00752	06502							00	01790	04702	00	01790	05615	
334 --	01672	10303										--	01672	08203	
340 13	01863	40603	03	01890	40613	00	00790	04300	00	02790	06516	03	00790	08512	
136 00	00790	41600	00	00790	07602	00	02790	06516	00	00890	08602				
336 10	01763	08513	54	01754	08515							13	01754	04415	
350			07	00790	39603	00	05690	03425	07	01790	38514				
368 20	01765	39715	03	01790	40615	57	05664	39668	54	02753	04516				
379 5-	02846	06616	00	00890	04602	00	01790	06525							
390 10	00862	06513	04	02790	06526	53	01783	06514	00	01790	39515				
382 50	01855	39425	57	00772	39413	03	02790	37426	03	01890	38405				
438 00	01790	06515							5-	x2747	xx627				
430 54	02874	39515	5-	02765	04528	03	02790	37668	07	02890	37527				
409 00	01790	41614	55	02863	08525	51	22664	39568	52	62653	06568				

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of .....
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 Period.
Kew ...	bzoy	b,czoy	cy	
Croydon ...	bzobby	bcy	cybyc	
Greenwich ...	by	bcy	cbcby	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	0.1 whole
Hampstead ...	bc	bc	bc	

Stations.	Temperature Day Max °F.	Temperature Night Min °F.	Temperature Min on grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Yesterday	Humidity 9h % Today
Kew ...	60	47	42	-	-	11.8	*		*
Croydon ...	59	45	42	-	-	11.4	*		*
Greenwich ...	60	46	39	-	-	11.2	43		53
Westminster ...	61	44	43	-			50		61
Regents Park ...	61	46	42	-	-		43		53
Camden Square	63	46	40	-	-	*	*		53
Kensington ...	62	47	41	-	-		45		59
Hampstead ...	58	43	39	-	-		*		64

BRITISH SECTION

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

SECRET

Wednesday 29th April 1942

No. 29378

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)	14·8	−6	NE'E	6	bc	53	35	18	7	–	5	2	0	4-6	–
	Croydon ...	14·9	−2	ENE	6	c	52	45	22	7	–	4	6	0	9	–
	S. Farnborough	13·7	−2	ENE	7	zo	55	35	21	6	–	–	9	0	4-6	–
	Boscombe Down	12·4	−16	NE	5	bcQ	58	35	30	7	–	7	2	0	4-6	–
	Thorney Island	11·5	−6	ENE	6	bc	57	45	35	7	–	7	–	0	2-3	–
	Lympne ...	15·1	−6	ENE	6	c	51	45	29	8	–	3	2	0	7-8	–
	Manston ...	15·1	−2	ENE	6	c	51	55	36	7	–	3	6	0	9	–
2	Shoeburyness ...	17·0	−2	NE'E	7	c	51	55	37	8	–	–	6	0	7-8	–
	Felixstowe ...	17·9	+4	ENE	7	c	49	55	35	7	–	–	6	0	7-8	–
	Gorleston ...	21·0	0	ENE	7	bc	45	65	32	7	–	7	2	0	4-6	–
	Mildenhall ...	19·0	0	E'N	7	c	52	45	39	8	–	–	2	0	7-8	–
	Cranwell ...	22·1	+4	ENE	6	bc	51	45	33	8	–	–	6	0	4-6	–
3	Birmingham ...	17·4	−6	ENE	6	c	55	35	30	7	–	–	6	0	7-8	–
	Upper Heyford	15·7	−2	ENE	6	c	55	55	39	7	–	7	6	0	9	–
4	Ross-on-Wye	14·7	−8	ENE	6	c	57	35	36	8	–	–	7	0	9+	–
5	Hartland Point	09·3	−8	NE	6	c	51	65	40	7	–	4	0	9+		–
	Bristol ...	13·6	−8	E	5	c	59	45	35	8	–	7	6	0	9+	–
	Portland Bill ...	09·5	+12	ENE	5	c	54	35	21	8	2	5	–	7-8	7-8	4000
	Plymouth ...	08·5	−10	E	7	c	60	45	38	7	–	4	8	0	9	–
	The Lizard ...	07·8	+2	NE	6	c	51	85	47	7	8	6	–	7-8	7-8	1500
	Scilly (St. Mary's)	08·1	+6	ENE	5	c	53	75	45	7	5	2	–	7-8	10	1200
	Guernsey ...															
6	Pembroke ...	12·6	−6	E'N	6	cq	58	55	41	7	7	6	5	4-6	7-8	3000
7	Holyhead (Valley)	16·7	−8	ENE	7	bc	59	35	30	6	–	–	1	0	2-3	–
	Chester (Sealand)	19·6	−4	E	5	bc	59	35	39	7	–	–	6	0	4-6	–
8	Manchester ...	20·0	−4	E	7	bc	56	25	25	8	–	–	5	0	4-6	–
10	Spurn Head ...	24·2	0	E'N	7	bcq	46	75	39	7	1	–	–	2-3	2-3	4000
	Catterick ...	26·6	+2	ESE	5	b	53	35	35	9	–	–	1	0	Tr	–
	Tynemouth ...	29·0	+6	E	6	b	45	65	34	7	–	–	–	0	0	–
11	St. Abbs Head	30·5	+4	E	6	b	45	65	35	8	–	–	–	0	0	–
	Leuchars ...	32·1	0	E	5	b	49	55	43	8	–	–	–	0	0	–
12	Renfrew (Abbotsl.)	27·1	−10	E	5	zo	55	45	32	7	–	–	–	0	0	–
	Eskdalemuir ...	26·1	−6	E'N	7	b	53	25	28	8	1	–	–	Tr	Tr	2800
	Point of Ayre ...	22·5	−10	ESE	4	b	57	55	42	8	–	–	6	0	1	–
13A	Tiree	26·3	−10	E	3	b	59	25	22	8	–	–	–	0	6	–
13B	Stornoway ...	29·6	−6	E	4	b	53	65	42	8	–	–	5	0	Tr	–
15	Dalwhinnie ...	30·8	+8	SE	4	b	52	25	20	8	–	–	–	0	0	–
	Aberdeen ...	34·7	+2	SE'E	4	b	49	55	35	8	–	–	–	0	0	–
	Wick ...	34·0	+2	ESE	4	b	48	65	38	9	–	–	–	0	0	–
16	Sumburgh ...	36·8	+2	E'S	3	b	49	75	40	9	–	–	–	0	0	–
17	Blacksod Point	18·5	−10	E	5	b	58	55	42	8	–	–	–	0	0	–
18	Malin Head ...	23·6	−10	E	6	b	49	65	38	8	–	–	–	0	0	–
	Aldergrove ...	22·6	−10	ENE	6	b	55	45	33	8	–	–	1	0	Tr	–
19	Birr Castle ...	16·4	−6	ENE	5	bc	56	55	40	7	–	–	5	0	4-6	–
20	Valentia Obsy.	12·5	−6	ENE	4	c	59	55	43	8	1	4	1	Tr	7-8	–
	Roches Point	13·4	−6	E	6	bc	57	65	45	8	–	–	5	0	4-6	–

OBSERVATIONS at 18h. G.M.T. 28th 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)	14·8	+2	ENE	6	zo	52	35	28	6	–	–	7	0	9+	–	0	*
	Croydon ...	14·5	0	NE'E	6	c	50	45	32	7	–	–	6	0	9+	–	0	*
	S. Farnborough	14·1	+6	E'N	6	zo	52	35	28	6	–	–	8	0	7-8	–	0	*
	Boscombe Down	13·0	+6	E	7	zo	53	35	26	6	–	7	–	0	9+	–	0	*
	Thorney Island	11·5	0	NE'E	6	c	53	45	33	*	–	7	6	0	10	–	0	*
	Lympne ...	13·9	−2	ENE	6	zo	51	55	33	6	–	9	2	0	9	–	0	*
	Manston ...	14·5	+2	ENE	6	zo	50	55	36	6	–	–	–	0	9	–	0	§ *
2	Shoeburyness ...	16·3	−10	NE	6	c	49	65	37	6	–	–	6	0	9+	–	0	*
	Felixstowe ...	17·3	0	NE'E	6	c	48	65	36	7	–	–	6	0	7-8	–	0	5
	Gorleston ...	20·3	−2	ENE	6	zo	45	65	36	6	–	7	–	0	4-6	–	0	6
	Mildenhall ...	18·8	+2	E'N	6	bc	50	45	39	7	–	–	2	0	2-3	–	0	*
	Cranwell ...	21·9	0	ENE	6	bc	45	55	31	7	–	–	2	0	2-3	–	0	*
3	Birmingham ...	18·7	+6	ENE	6	bc	57	55	41	7	–	–	1	0	2-3	–	0	*
	Upper Heyford	16·1	+4	E'N	6	zo	51	35	28	6	–	4	8	0	4-6	–	0	*
4	Ross-on-Wye	15·5	+10	ENE	6	bcq	52	35	26	7	–	–	2	0	4-6	–	0	*
5	Hartland Point	08·5	−2	NE	6	c	54	45	35	8	–	4	9	0	7-8	–	0	5
	Bristol ...	13·9	+6	E	6	c	54	35	29	7	–	4	5	0	9	–	0	*
	Portland Bill ...	09·9	−2	ENE	5	c	52	85	48	7	5	–	–	10	10	2500	1	5
	Plymouth ...	08·9	+2	E'S	7	c	55	45	36	7	–	7	7	0	9+	–	0	4
	The Lizard ...	07·1	+6	ENE	7	c	52	65	41	7	8	6	–	7-8	7-8	1500	0	5
	Scilly (St. Mary's)	07·4	−2	E'N	6	c	51	75	42	7	5	2	–	7-8	10	1200	1	4
	Guernsey ...																	
6	Pembroke ...	11·3	−2	E'N	8	bcq	56	45	37	8	4	3	2	2-3	4-6	3000	0	5
7	Holyhead (Valley)	17·7	+4	ENE	6	cq	52	35	27	6	–	–	2	0	9	–	0	4
	Chester (Sealand)	20·5	+6	ENE	6	c	43	45	28	7	–	–	6	0	9	–	0	*
8	Manchester ...	20·9	+10	ENE	5	c	47	45	26	7	–	–	5	0	7-8	–	0	*
10	Spurn Head ...	23·6	0	E	8	bcq	43	75	37	8	4	4	1	2-3	4-6	4000	0	3
	Catterick ...	27·6	+14	E	5	bc	45	55	38	8	–	–	6	0	2-3	–	0	*
	Tynemouth ...	29·3	0	E	6	b	43	75	34	8	–	3	1	0	1	–	0	5
11	St. Abbs Head	29·7	+8	ESE	6	b	42	65	32	8	1	–	–	Tr	Tr	4000	0	5
	Leuchars ...	32·4	−2	E	4	b	45	75	38	9	5	–	–	Tr	Tr	2500	0	
12	Renfrew (Abbotsl.)	28·3	+12	ENE	5	b	48	55	21	7	–	–	–	0	0	–	0	*
	Eskdalemuir ...	27·8	+6	E'N	6	b	43	45	23	8	1	–	1	Tr	1	3500	0	*
	Point of Ayre ...	23·0	+4	E'S	6	b	50	55	36	8	–	–	8	0	1	–	0	5
13A	Tiree	25·3	0	E'S	4	b	54	35	22	8	–	–	–	0	0	–	0	4
13B	Stornoway ...	29·0	−2	E	5	b	51	75	42	8	–	–	–	0	0	–	0	2
15	Dalwhinnie ...	30·2	−2	SSE	4	b	46	45	26	8	1	–	–	Tr	Tr	2500	0	
	Aberdeen ...	34·4	−2	ESE	3	b	45	75	36	8	–	–	–	0	0	–	0	3
	Wick ...	34·5	+2	ESE	4	b	46	75	36	8	–	–	–	0	0	–	0	*
16	Sumburgh ...	37·1	+2	ESE	4	b	47	85	41	8	–	–	–	0	0	–	0	1
17	Blacksod Point	18·0	0	E'N	6	b	57	55	41	8	–	–	–	0	0	–	0	5
18	Malin Head ...	23·1	+2	ESE	6	b	51	45	31	8	–	–	–	0	0	–	0	5
	Aldergrove ...	22·7	+6	ENE	6	b	51	35	27	8	–	–	5	0	1	–	0	*
19	Birr Castle ...	16·4	0	ENE	5	c	56	45	35	7	5	–	5	2-3	9	2500	0	*
20	Valentia Obsy.	12·3	+2	E	4	c	61	45	44	8	–	7	–	0	9	–	0	3
	Roches Point	13·1	−2	E	6	c	56	55	41	8	5	–	5	2-3	7-8	2500	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 28th (39)	Weather. 13h.—18h. 28th (40)	Weather. 18h. 28th to 1h. 29th (41)	Weather. 1h.—7h. 29th (42)
1	London (Kew)	czo bcy	bcc ⊕	czocy ⊟	cbczoy
	Croydon ...	czo ccy	cbccy	czoycz	cybcy
	S. Farnborough	cybc	bccybcy	bczoz	bczoy
	Boscombe Down	czoy	bczoc	czoy	czoby
	Thorney Island	cybcy	bcycy	cbcy	bcyby
	Lympne ...	cy ⊕	bccy ⊕	cyzo	bczobcy
	Manston ...	bzoccy	cyczoy	czoy	bczoy
2	Shoeburyness ...	ccy	cy	c	c
	Felixstowe ...	bccy	cybcycc	cbcmo	
	Gorleston ...	bczobc	bc	bczo	bczob
	Mildenhall ...	bccy	bcby	bybcy	bcbcy
	Cranwell ...	bybcy	cbcy	bcyc	cbc
3	Birmingham ...	bbc	cb		bc
	Upper Heyford	c	cbcy	bczocz	cbczo
4	Ross-on-Wye	bccqy	cqbcq	cq	c
5	Hartland Point	c	c	c	c
	Bristol ...	cy	⊕bcycy	cyqczo	czo
	Portland Bill ...	c	c	o	c
	Plymouth ...	crorocy	cy	cirocy	cy
	The Lizard ...	cprc	c	cproc	cpro
	Scilly (St. Mary's)	crroc	c	ciro	ciro
	Guernsey ...				
6	Pembroke ...	cqy	cybcy ⊕	cq	cq
7	Holyhead (Valley)	bczoy	bcczoy	bcczoy	czoc
	Chester (Sealand)	bzybc	bbcc	bcyzo	bczobc
8	Manchester ...	bybc	bccy	bczo ⊟	c
10	Spurn Head ...	bcq	bcq	bcq	bcq
	Catterick ...	by	by	bybcb	bbmobc
	Tynemouth ...	b	bbc	bcq	bcbq
11	St. Abbs Head	b	b	bbc	bccb
	Leuchars ...	by	byb	b	cbcb
12	Renfrew (Abbotsl.)	by	bcmoby	bybbc	bc, czo
	Eskdalemuir ...	bcb	by	bybbc	bc
	Point of Ayre ...	by	by	b	bbcc
13A	Tiree	by	by	by	bbcy
13B	Stornoway ...	bc	bcb	bcb	b
15	Dalwhinnie ...	bbcby	bbcy		bbc
	Aberdeen ...	mby	by	b	b
	Wick ...	b	b	b	b
16	Sumburgh ...	b	b	b	b
17	Blacksod Point	b	b	bc ⊟	c
18	Malin Head ...	b	b	b ⊟	bc
	Aldergrove ...	bby	by	bc ⊕	bcc
19	Birr Castle ...	bc	bc		o
20	Valentia Obsy.	bc	bc	c	r
	Roches Point	b	bc	bc	r

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

Districts	Forecast
1 S.E. England ↓ 2 E. England ... ↓ 3 E. Midlands ... 4 W. Midlands 5 S.W. England ↓ 6 South Wales ↓	Fresh or strong easterly winds, gale locally on coast. Fair apart from local, thundery rain, more especially in the West. More cloud than of late; 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 easterly wind; fair but more cloud than of late: 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 ↓	Fresh or strong east wind; cloudy. Occasional local rain; rather cold.

GENERAL INFERENCE

Pressure continues high to northeast of the British Isles and low to southwest. Weather will be fair in most districts but there will be considerably more cloud than of late in many areas, and there is likely to be a slow extension of local, thundery rain over southwest districts of Britain. Winds will continue to be strong and reach gale at times on various parts of the English and Irish coasts.

FURTHER OUTLOOK

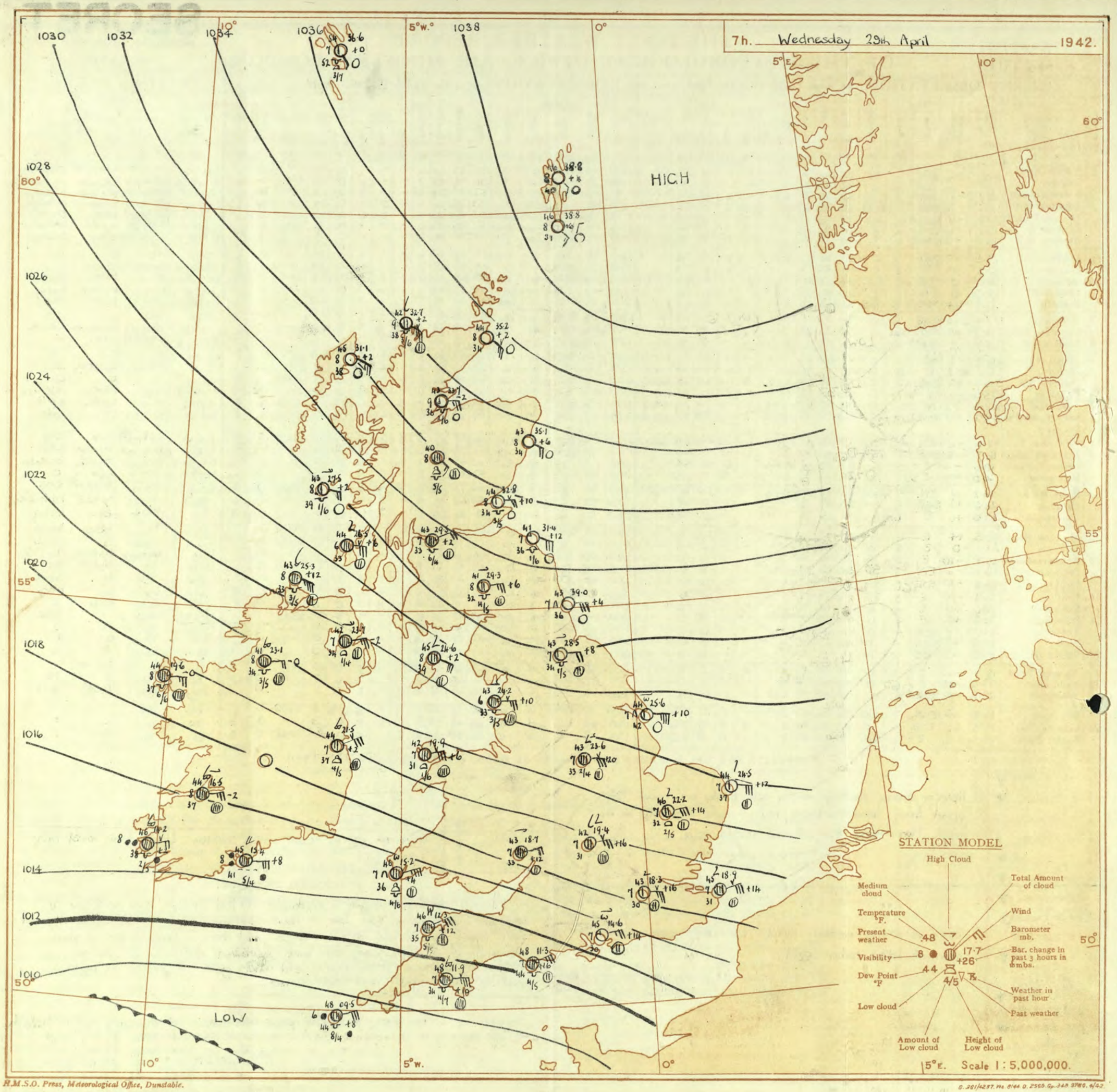
Fair or fine in the North. Increasing cloud with chance of thundery rain in the South.

↓ Gale warning in operation in districts 5, 6, 13, 20, issued 1000h 27.4., and
" " 1, 2, 10 " 1410h 27.4. "
" " 7, 8, 12, 13A & 18 " 0655 29.4.

Forecasts issued at

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

7h. Wednesday 29th April 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

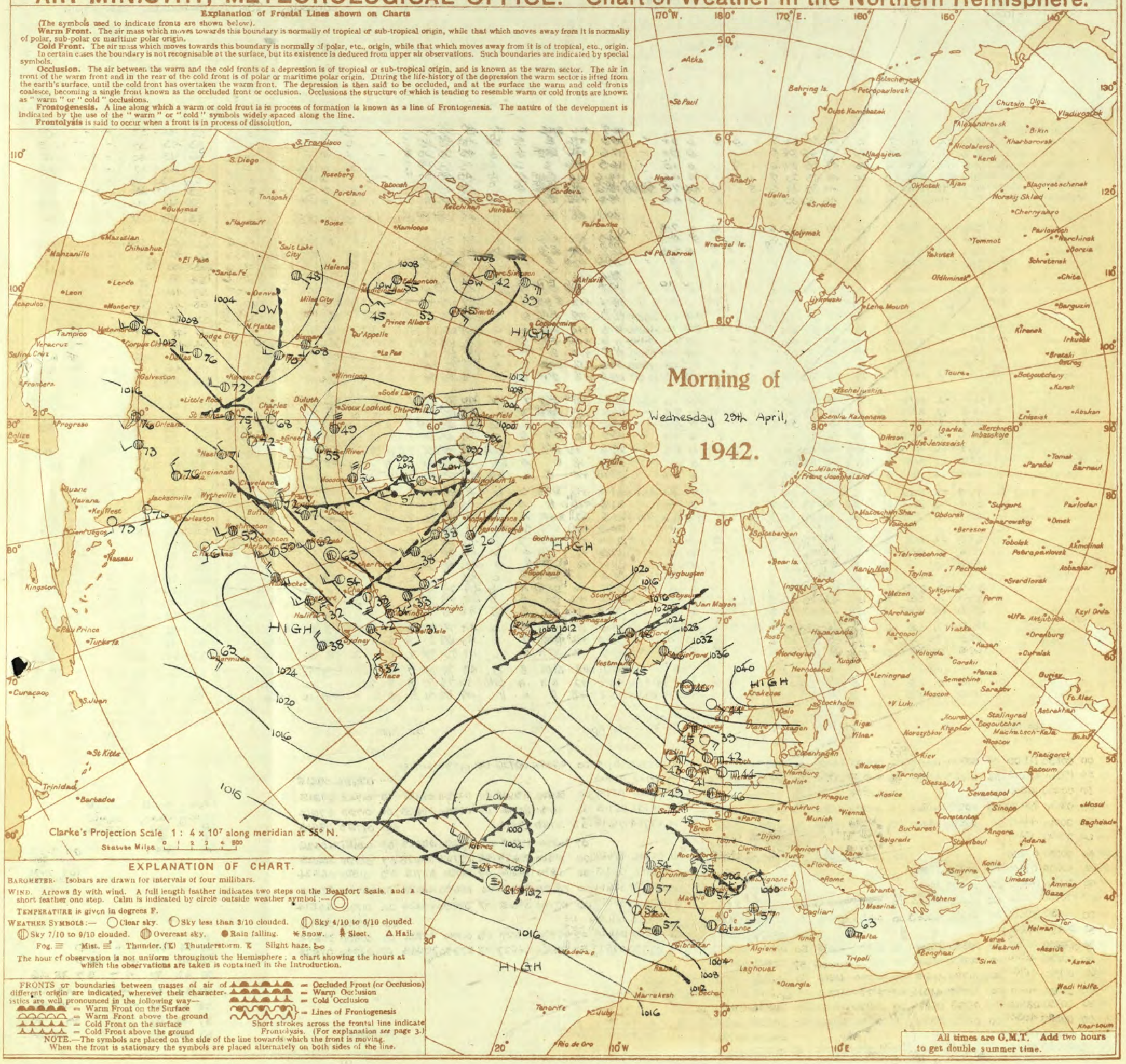
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 29th April 1942

No. 29378

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)	°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	15·8	+2	E	7	c	46	85	31	7	-	3	8	0	9+	-
	S. Farnborough	226	15·6	-2	E'N	5	zo	47	55	32	5	-	-	-	0	9+	-
	Boscombe Down	417	14·5	+2	E'N	6	zo	47	55	32	6	-	7	-	0	10	-
	Thorney Island	10	13·4	+4	ENE	3	bc	49	45	29	7	-	7	-	0	4·6	-
	Lympne ..	283	16·3	+14	ENE	7	zo	46	55	31	6	5	-	6	4·6	7·8	5000
	Manston ...	154	17·1	+14	E	6	zo	46	65	35	6	-	-	2	0	4·6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·2	+10	ENE	7	zo	47	65	36	6	-	-	6	0	7·8	-
	Gorleston ...	5	21·9	+8	E	6	zo	45	75	38	6	-	7	-	0	4·6	-
	Mildenhall ...	15	20·2	+6	E'N	5	bc	45	55	30	7	-	-	3	0	2·3	-
	Cranwell ...	203	22·3	+2	ENE	5	c	41	85	37	7	-	-	6	0	9	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·4	-2	ENE	6	zo	42	65	31	6	-	5	8	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·2	+4	NE	6	c	47	65	36	7	5	2	-	7·8	10	2500
	Bristol ...	209	15·8	+2	E	5	zo	44	65	33	6	5	1	-	7·8	10	4000
	Portland Bill ...	32	11·1	0	ENE	5	0	49	85	45	7	5	-	-	10	10	2500
	Plymouth ...	82	10·3	0	E	7	c/r	50	55	35	7	5	7	-	4·6	10	5700
	The Lizard ...	240	08·9	+4	E'N	6	c	49	75	42	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	08·5	-2	E'N	6	ro	48	85	44	6	5	2	-	7·8	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	14·1	-2	NE'E	7	cq	45	75	38	7	8	2	-	7·8	10	4000
7	Holyhead (Valley)	32	19·4	+2	NE'E	6	zo	41	75	34	6	-	-	7	0	7·8	-
	Chester (Sealand)	16	22·1	-2	ENE	4	bc	41	75	34	6	-	-	6	0	4·6	-
8	Manchester ...	235	22·6	-2	NE'E	4	c	41	75	34	7	-	-	7	0	10	-
10	Spurn Head ...	29	24·2	+6	E	8	bcq	44	85	40	7	-	3	-	0	2-3	-
	Catterick ...	175	27·7	-2	ENE	2	b	38	85	34	8	-	-	-	0	0	-
	Tynemouth ...	108	29·1	-4	E	6	bcq	42	85	38	7	-	3	-	0	2-3	-
11	St. Abbs Head	280	30·8	-6	ESE	6	c	40	85	36	7	5	-	-	9+	9+	4000
	Leuchars ...	36	32·4	-2	E	4	b	42	75	35	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	29·7	0	E'N	4	bc	40	65	29	7	5	-	-	4·6	4·6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	24·3	-6	E'S	5	b	43	75	36	8	-	-	5	0	1	-
13A	Tiree	22	27·6	0	E'S	4	b	42	45	22	8	-	-	-	0	0	-
13B	Stornoway ...	80	30·4	0	E	6	b	45	75	38	8	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	34·7	-2	ESE	3	b	39	85	36	8	-	-	-	0	0	-
	Wick ...	114	35·4	0	SE	5	b	43	75	36	8	-	-	-	0	0	-
16	Sumburgh ..	19	38·2	+2	ESE	3	b	44	85	40	8	-	-	-	0	0	-
17	Blacksod Point	18	19·1	-2	SE	6	c	46	65	35	8	5	6	1	4·6	9	4000
18	Malin Head ...	84	24·9	-2	E	8	b	43	55	28	8	-	-	-	0	0	-
	Aldergrove ...	268	24·9	+4	NE'E	5	c	38	75	31	8	-	-	6	0	7·8	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·0	0	E	4	c	49	55	34	8	5	4	7	1	10	2500
	Roches Point	22	14·6	0	E'N	6	c	47	75	40	8	5	1	-	4·6	9	1500

OBSERVATIONS at 7 hr. G.M.T. 29th 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)	18·7	+16	ENE	6	zo	45	55	29	6	-	-	3	0	4·6	-	0	*
	Croydon ...	18·3	+16	E	5	bc	43	55	30	7	-	-	5	0	2-3	-	0	*
	S. Farnborough	17·6	+16	ENE	6	b	45	55	30	8	-	-	1	0	Tr	-	0	*
	Boscombe Down	16·5	+16	E	6	bc	45	55	29	7	-	4	2	0	4·6	-	0	*
	Thorney Island	14·6	+14	ENE	5	b	45	55	30	7	-	3	1	0	Tr	-	0	*
	Lympne ..	18·6	+16	ENE	6	c	44	45	26	8	-	-	8	0	9	-	8	5
	Manston ...	18·9	+14	E'N	6	c	45	55	31	7	-	-	6	0	7·8	-	0	*
2	Shoeburyness ...	20·1	+8	E	7	c	45	65	33	8	-	4	8	0	7·8	-	0	*
	Felixstowe ...																	
	Gorleston ...	24·5	+12	E'S	6	bc	44	75	37	7	-	-	4	0	2-3	-	0	6
	Mildenhall ...	22·2	+14	E'N	6	bc	46	55	32	7	1	-	6	1	4·6	2500	0	*
	Cranwell ...	24·5	+20	E	6	c	44	75	35	8	5	4	6	2-3	7·8	2000	0	*
3	Birmingham ...	21·4	+10	E	4	bc	42	65	31	6	-	-	8	0	4·6	-	0	*
	Upper Heyford	19·4	+16	E'N	5	bc	42	65	31	7	-	4	6	0	4·6	-	0	*
4	Ross-on-Wye	18·7	+12	E NE	4	c	43	65	29	7	-	-	3	0	9	-	0	*
5	Hartland Point	12·3	+12	ENE	6	c	46	55	35	7	5	6	-	7·8	9	2000	0	5
	Bristol ...	17·3	+14	ENE	4	c	44	65	31	8	-	3	6	0	7·8	-	0	*
	Portland Bill ...	11·3	+16	ENE	5	c	48	85	46	7	5	7	-	4·6	9	2500	1	5
	Plymouth ...	11·9	+10	E	7	c	48	55	34	7	5	7	-	4·6	9+	5000	0	4
	The Lizard ...	09·8	+12	ENE	7	c	48	75	39	7	8	6	-	7·8	7·8	2000	0	5
	Scilly (St. Mary's)	09·5	+8	E'N	6	ro	48	85	44	6	5	-	-	10	10	1200	1	5
	Guernsey ...																	
6	Pembroke ...	15·2	+4	E'N	7	cq	46	75	36	7	8	3	-	4·6	7·8	3000	0	3
7	Holyhead (Valley)	19·9	+6	NE'E	6	c	43	65	31	7	1	-	3	Tr	7·8	3000	0	4
	Chester (Sealand)	22·6	+10	E	4	bc	44	65	34	7	1	-	6	2-3	4·6	3000	0	*
8	Manchester ...	23·5	+10	E'N	5	c	43	65	32	7	5	3	6	2-3	9	2500	0	*
10	Spurn Head ...	25·6	+10	E'S	7	bcq	44	85	31	7	1	3	1	2-3	2-3	4000	0	6
	Catterick ...	28·5	+8	E	4	bc	43	65	34	7	5	-	1	Tr	2-3	2000	0	*
	Tynemouth ...	29·0	+4	E	6	bq	43	75	36	7	-	-	-	0	0	-	0	5
11	St. Abbs Head	31·4	+12	ESE	6	b	41	85	36	7	4	-	-	Tr	Tr	4000	0	5
	Leuchars ...	32·8	+10	E	4	bc	44	65	34	8	5	-	-	2-3	2-3	2000	0	*
12	Renfrew (Abbots I.)	29·5	+2	ENE	4	zo	43	65	33	7	5	-	-	9	9	2000	0	*
	Eskdalemuir ...	29·3	+6	E'N	5	bc	41	65	33	8	5	-	1	4·6	4·6	2300	0	*
	Point of Ayre...	24·6	+2	E'S	5	c	45	85	39	8	-	-	6	0	7·8	-	0	5
13A	Tiree	27·5	+2	E'S	4	bc	43	55	32	8	5	-	2	Tr	2-3	3500	0	5
13B	Stornoway ...	31·1	+2	ESE	5	b	45	65	38	8	-	-	-	0	0	-	0	3
15	Dalwhinnie ...	31·4		SE	3	c	40			8	8	-		7·8	7·8	2500	0	*
	Aberdeen † ...	35·1	+6	SE'E	4	b	43	75	34	8	-	-	-	0	0	-	0	3
	Wick ...	35·2	+2	SE	5	b	44	75	34	8	-	-	-	0	0	-	0	*
16	Sumburgh ..	38·8	+6	SE	3	b	46	75	37	8	-	-	-	0	0	-	0	1
17	Blacksod Point	19·6	0	E	5	c	44	75	37	8	5	-	-	9	9	4000	0	4
18	Malin Head ...	25·3	+2	ESE	7	c	43	65	32	8	5	9	-	2-3	7·8	2500	0	5
	Aldergrove ...	23·7	-2	E'N	5	c	42	75	34	7	1	-	2	Tr	9+	2000	0	*
19	Birr Castle ...	17·1	+2	ENE	5	0	43	75	35	7	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	14·2	+2	E'N	4	ro	46	75	39	8	5	7	-	1	10	2500	0	3
	Roches Point	15·4	+8	E	6	ir	45	85	41	8	6	2	-	7·8	10	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 28th Hrs. (38)
1	London (Kew)	55	44	39	-	-	8·9
	Croydon ...	53	43	39	-	-	6·9
	S. Farnborough	56	43	40	-	-	7·6
	Boscombe Down	59	42	37	-	-	6·9
	Thorney Island	57	43	37	-	-	*
	Lympne ..	53	42	38	-	-	4·5
	Manston ...	53	42	41	-	-	5·4
2	Shoeburyness ...	53	43	39	-	-	4·1
	Felixstowe ...	51			-		
	Gorleston ...	46	42	38	-	-	7·0
	Mildenhall ...	55	42	36	-	-	11·6
	Cranwell ...	53	40	37	-	-	12·6
3	Birmingham ...	58	39	36	-	-	10·7
	Upper Heyford	57	40	38	-	-	*
4	Ross-on-Wye	58	41	37	-	-	6·1
5	Hartland Point	55	45	45	-	-	0·8
	Bristol ...	60	41	34	-	-	5·1
	Portland Bill ...	54	45	*	-	-	*
	Plymouth ...	60	47	46	-	Tr	1·7
	The Lizard ...	53	46	*	0·5	Tr	0·8
	Scilly (St. Mary's)	54	46	*	0·5	2	0·0
	Guernsey ...						
6	Pembroke ...	62	38		-	-	6·2
7	Holyhead (Valley)	60	40	37	-	-	*
	Chester (Sealand)	59	40	33	-	-	9·5
8	Manchester ...	57	39	33	-	-	*
10	Spurn Head ...	46	41	*	-	-	10·8
	Catterick ...	54	37	32	-	-	13·7
	Tynemouth ...	45	41	40	-	-	*
11	St. Abbs Head	45	35		-	-	
	Leuchars ...	49	41	38	-	-	14·0
12	Renfrew (Abbots I.)	56	40	36	-	-	12·5
	Eskdalemuir ...	53	32	28	-	-	11·8
	Point of Ayre...	57	42	*	-	-	12·4
13A	Tiree	59	40	*	-	-	14·6
13B	Stornoway ...	56	42	*	-	-	13·3
15	Dalwhinnie ...	53	35	27	-	-	13·4
	Aberdeen † ...	49	41	38	-	-	13·8
	Wick ...	49	40	39	-	-	*
16	Sumburgh ..	50	42	35	-	-	13·8
17	Blacksod Point	59	42	*	-	-	
18	Malin Head ...	53	41		-	-	11·3
	Aldergrove ...	57	37	34	-	-	13·5
19	Birr Castle ...	59	40	38	-	-	12·2
20	Valentia Obsy.	66	46	42	-	Tr	
	Roches Point	59	44	*	-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th April ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	00	00890	11500	00	00890	11400
115	54	10961	45513	54	01863	41514
203	00	00990	10500			
206	00	00990	08600	00	00990	41600
210	50	00961	44401	00	00990	43400
220	00	00890	12200			
230	00	00990	07500			
245	00	00990	07400	00	00890	07400
260	00	01890	04400	00	00890	04500
278	00	00890	42600	00	00890	42800
279	00	00890	39601	00	00890	40603
285	10	00861	08601			
288	00	00890	40501	00	00890	39601
575	00	00890	41501	00	00890	41601
301	00	18790	41701	00	01790	41615
321	00	00890	41614	00	14790	41614
299	00	00790	08600	54	01753	08614
292	00	00890	40501	00	01890	39514
310	--	01643	08713			
614	00	05690	41614	00	02890	38624

01h. G.M.T. 29th April ..... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
00	00890	11400	00	00890	11400
54	01963	41514	54	01963	43514
00	00990		00	00990	12400
00	00990	41500	50	00962	08502
00	00990	10300	50	00851	08301
			00	00890	12400
00	00990	04300	00	01890	04414
			5-	02866	04416
00	01890	41613	00	02890	41717
00	01890	39514	70	02752	39416
			2-	05626	08616
50	00834	06415	50	01841	06573
00	00790	40606	57	02853	08428
00	01790	41514	50	05653	41526
00	01790	41714			
00	00790	08600	00	00790	08600
00	00890	40401	5-	02745	40415
			--	02636	08726
00	02790	08515	10	01742	41615

13h. G.M.T. 28th April ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	01890	38714	00	02890	06726
334	--	01783	10303			
340	00	01890	41714	00	01890	39615
336	10	01741	06715	00	01790	06714
336	14	02754	04615	53	01753	08514
350				07	01790	39705
368	00	02790	37626	00	01890	39625
379	09	01890	06715	00	01890	38614
390	00	01890	39614	00	05690	39716
382	07	02890	39526	00	02790	39615
438	57	05765	04626			
430	03	01890	04624	09	02790	37627
409	07	02790	07527	57	02764	08527

01h. G.M.T. 29th April ..... 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
00	01790	40714			
			--	02654	08415
00	02790	08415	10	01742	07515
00	02790	39625	00	01790	07614
			13	02753	08616
07	05690	39628	57	02851	40626
57	02763	39628	07	02790	39628
07	02790	37715	09	01890	04524
00	05690	41625	00	01790	39615
07	02790	39626	04	01790	40514
			00	14790	06703
03	01790	37524	00	00890	39502
07	22690	39668	07	02790	07528

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew ...	czobcy	bcc⊕	czcy⊕	Kew 24 hours ended 7h. Max. 0·1 Time 9–22h on 28th; Min. 0·1 Time 0–3h on 29th
Croydon ...	czoccy	cbccy	czycz	
Greenwich ...	c⊕	cbc	c⊕bc	
Camden Square	c	b	*	
Kensington ...	bc	bc	*	
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 13h % Yesterday	Humidity 9h % To-day
Kew ...	55	44	39	-	-	8·9	*	*
Croydon ...	53	43	39	-	-	6·9	*	*
Greenwich ...	56	43	37	-	-	5·7	35	46
Westminster ..	55	44	40	-			43	72
Regents Park ..	55	44	40	-	-		39	49
Camden Square	57	44	37	-	-	*	*	48
Kensington ...	57	44	39	-	-		45	54
Hampstead ...							*	

BRITISH SECTION

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

SECRET

Thursday 30th April 1942

No. 29,379

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)	°F. (6)	% Humid. (7)	°F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	20.2	+4	E'N	6	bc	51	85	24	7	-	-	8	0	2-3	-
	Croydon ...	19.7	+6	ENE	6	bc	50	45	28	8	-	-	1	0	2-3	-
	S. Farnborough	19.1	+6	E	6	bc	53	48	33	7	-	-	4	0	4-6	-
	Boscombe Down	17.4	+2	E	7	bc	57	85	27	8	-	-	3	0	4-6	-
	Thorney Island	16.6	+2	E	6	c	55	45	31	8	-	-	2	0	7-8	-
	Lympne ...	19.3	-6	NE'E	7	b	50	45	29	8	-	-	-	0	0	-
	Manston ...	20.1	-2	ENE	6	b	49	65	36	7	-	-	1	0	Tr	-
2	Shoeburyness ...	20.4	0	NE'E	6	b	50	55	35	8	-	-	5	0	Tr	-
	Felixstowe ...	22.6	-2	NNE	7	b	49	45	31	8	-	-	5	0	Tr	-
	Gorleston ...	25.1	-2	E'S	6	b	46	75	36	7	-	-	-	0	0	-
	Mildenhall ...	23.3	-2	E'N	7	b	53	85	26	8	-	-	2	0	1	-
	Cranwell ...	25.7	+2	E	6	b	50	45	30	8	5	-	-	Tr	1	2500
3	Birmingham ...	21.6	+2	E	7	bc	53	25	19	8	-	-	2	0	4-6	-
	Upper Heyford	20.2	0	ENE	6	bc	54	25	21	8	-	-	6	0	4-6	-
4	Ross-on-Wye	19.6	+4	E'N	6	bcq	55	25	23	8	-	-	3	0	4-6	-
5	Hartland Point	13.5	+4	NE	6	bcq	55	25	30	7	-	4	6	0	4-6	-
	Bristol ...	18.3	+2	E	5	bc	58	25	24	8	-	-	2	0	2-3	-
	Portland Bill ...	14.5	+2	E	5	c	57	85	53	7	2	-	-	7-8	7-8	4000
	Plymouth ...	13.5	+6	E'N	6	c	54	45	30	7	-	4	8	0	9+	-
	The Lizard ...	12.4	+10	E'N	7	c	49	65	38	7	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	12.6	+16	E	6	c	51	70	42	7	5	3	3	4-6	9	1600
	Guernsey ...															
6	Pembroke ...	15.6	-8	E	8	c	57	55	38	7	8	3	5	2-3	7-8	3000
7	Holyhead (Valley)	20.4	-6	NE'E	6	bc	57	85	26	7	-	-	3	0	4-6	-
	Chester (Sealand)	22.9	0	E	6	c	56	85	26	7	-	-	2	0	7-8	-
8	Manchester ...	23.8	-6	E	6	c	54	85	25	8	-	-	6	0	7-8	-
10	Spurn Head ...	27.9	0	E'N	6	bc	45	65	35	7	1	-	4	2-3	2-3	4000
	Catterick ...	28.9	-14	E	5	bc	53	85	24	9	-	-	8	0	2-3	-
	Tynemouth ...	31.5	0	E	6	bcq	45	65	35	8	-	4	1	0	2-3	-
11	St. Abbs Head	32.6	+4	ESE	6	b	46	65	36	7	4	-	-	1	1	4000
	Leuchars ...	33.8	+2	ESE	5	b	49	55	32	8	-	-	5	0	1	-
12	Renfrew (Abbotsl.)	28.8	-6	E'N	3	c	55	85	21	7	-	-	6	0	9+	-
	Eskdalemuir ...	28.0	0	E	7	bc	51	25	19	8	1	3	6	Tr	4-6	3300
	Point of Ayre...	26.5	+4	SE	5	bc	53	65	41	8	-	-	8	0	4-6	-
13A	Tiree	26.5	+10	ESE	5	bc	54	45	32	8	-	-	2	0	2-3	-
13B	Stornoway ..	30.3	-8	E	5	bc	54	65	42	8	-	-	6	0	4-6	-
15	Dalwhinnie ...	32.5	+8	SSE	4	bc	51	25	19	8	-	-	5	0	2-3	-
	Aberdeen ...	36.0	+2	SE'E	3	b	49	55	35	8	-	-	-	0	0	-
	Wick ...	36.2	+4	SE	5	bc	48	65	36	8	-	7	-	0	4-6	-
16	Sumburgh ...	38.6	-2	E	3	b	47	65	35	9	-	-	-	0	0	-
17	Blacksod Point	19.3	+2	E'S	5	c	52	55	37	8	8	+	-	9+	9+	2500
18	Malin Head ...	24.4	0	ESE	7	c	50	55	35	8	5	4	6	2-3	7-8	2500
	Aldergrove ...	23.6	-10	ESE	6	c	55	35	38	8	-	-	8	0	7-8	-
19	Carr Castle ...	18.4	+6	ENE	3	c	53	45	33	7	5	1	-	7-8	10	2500
20	Valentia Obsy.	15.0	+10	E'N	5	bc	49	75	42	7	5	2	-	2-3	10	4000
	Roches Point	16.9	+10	E	6	c	49	75	42	8	8	1	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 29th 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)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	20.0	+2	ENE	6	b	50	85	23	7	-	-	-	0	0	-	0	*
	Croydon ...	19.9	+2	ENE	6	b	49	85	26	7	-	-	-	0	0	-	0	*
	S. Farnborough	19.2	+2	E'N	5	b	50	85	26	7	-	-	1	0	1	-	0	*
	Boscombe Down	18.7	+14	E'N	6	bc	50	85	24	7	-	-	2	0	2-3	-	0	*
	Thorney Island	17.6	+10	ENE	6	b	52	45	29	8	-	-	1	0	1	-	0	*
	Lympne ...	19.2	+2	NE	7	b	49	45	30	8	-	-	-	0	0	-	0	§
	Manston ...	19.7	-2	ENE	5	2	48	55	35	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	20.7	-6	NE'N	6	b	46	75	37	8	-	-	-	0	0	-	0	*
	Felixstowe ...	22.0	-4	NE'E	6	b	46	65	36	7	-	-	-	0	0	-	0	5
	Gorleston ...	24.5	-2	ENE	6	bq	45	65	34	7	-	-	-	0	0	-	0	6
	Mildenhall ...	23.5	+4	ENE	6	b	49	45	31	8	-	-	-	0	0	-	0	*
	Cranwell ...	25.4	+2	ENE	5	b	44	35	19	8	-	-	8	0	Tr	-	0	*
3	Birmingham ...	22.5	+10	E	7	bc	49	55	34	8	-	-	1	0	2-3	-	0	*
	Upper Heyford	20.8	+6	E'N	6	b	49	45	28	7	-	-	2	0	1	-	0	*
4	Ross-on-Wye	20.0	+8	E'N	5	bq	52	35	22	8	-	-	1	0	1	-	0	*
5	Hartland Point	18.4	+16	ENE	5	bcq	55	25	30	7	-	4	1	0	4-6	-	0	4
	Bristol ...	18.6	+2	E	6	b	52	35	25	8	-	-	2	0	1	-	0	*
	Portland Bill ...	15.2	+6	E	5	bc	52	75	46	7	2	-	-	4-6	4-6	4000	1	5
	Plymouth ...	15.4	+14	E'N	6	c	54	45	32	7	-	-	8	0	7-8	-	0	3
	The Lizard ...	14.1	+10	E	7	bc	50	65	36	7	8	6	-	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	13.9	+6	E'S	6	c	49	65	33	7	5	4	9	1	9	1500	1	5
	Guernsey ...																	
6	Pembroke ...	17.2	+6	E	6	cq	56	45	34	7	4	6	2	4-6	7-8	3000	0	3
7	Holyhead (Valley)	20.8	+2	E'N	7	bc	53	85	34	7	-	-	2	0	4-6	-	0	4
	Chester (Sealand)	24.1	+10	E'N	4	bc	52	35	22	7	-	-	4	0	2-3	-	0	*
8	Manchester ...	24.6	+4	ENE	5	bc	48	35	23	8	-	-	1	0	2-3	-	0	*
10	Spurn Head ...	27.5	-2	E'N	6	bc	44	65	34	7	1	-	-	2-3	2-3	4000	0	5
	Catterick ...	29.6	+4	E	3	b	46	45	26	9	-	-	8	0	Tr	-	0	*
	Tynemouth ...	31.2	+2	E	5	bc	43	65	33	8	-	4	-	0	2-3	-	0	4
11	St. Abbs Head	33.4	+12	E	3	b	42	56	30	8	5	-	-	Tr	Tr	5000	0	4
	Leuchars ...	33.3	-2	ESE	3	b	45	65	36	9	1	-	8	Tr	2-3	3000	0	*
12	Renfrew (Abbotsl.)	29.5	+6	ENE	5	bc	49	45	31	7	-	-	8	0	2-3	-	0	*
	Eskdalemuir ...	29.2	0	ENE	5	b	44	65	32	8	-	-	1	0	1	-	0	*
	Point of Ayre...	25.8	+4	SE	5	bc	52	55	37	8	-	-	8	0	2-3	-	0	4
13A	Tiree	26.4	0	ESE	4	bc	53	45	32	8	-	-	2	0	4-6	-	0	5
13B	Stornoway ..	29.5	+2	E	6	2	51	55	33	6	-	-	-	0	0	-	0	
15	Dalwhinnie ...	0		SE	3	bc	46	45	27	8	-	-	5	0	2-3	-	0	*
	Aberdeen ...	34.9	-8	E	2	b	45	75	37	8	-	-	-	0	0	-	0	3
	Wick ...	35.2	-6	E'S	4	b	45	65	34	9	-	4	-	0	Tr	-	0	*
16	Sumburgh ...	37.0	-10	NE	2	b	47	75	38	9	-	-	-	0	0	-	0	1
17	Blacksod Point	18.8	-2	ESE	5	c	53	45	33	7	5	-	-	9+	9+	1500	0	4
18	Malin Head ...	23.9	-6	ESE	6	c	51	45	31	8	5	4	7	4-6	7-8	4000	0	5
	Aldergrove ...	24.1	+2	E	5	c	52	45	30	8	-	-	8	0	9	-	0	*
19	Carr Castle ...	18.7	+2	ENE	4	c	56	35	30	7	5	-	-	7-8	10	2500	0	*
20	Valentia Obsy.	15.1	-2	E'S	6	c	52	55	37	8	5	7	-	2-3	10	5700	0	4
	Roches Point	16.2	-10	E'S	6	c	54	55	38	8	5	3	-	2-3	7-8	2500	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 29th (39)	Weather. 13h.—18h. 29th (40)	Weather. 18h.—1h. 29th/30th (41)	Weather. 1h.—7h. 30th (42)
1	London (Kew)	bcy	bcby	bc	bzo
	Croydon ...	bc	by	byb	bmowbzo
	S. Farnborough	bbcy	bcyzby	bybzoyb	bbmo
	Boscombe Down	bczy	bcy	brb	b
	Thorney Island	bcc	bcyby	bcbyb	b
	Lympne ...	cby	by	by	bybby
	Manston ...	b	bzoy	bzoy	bzoy
2	Shoeburyness ...	cbby	b	b	b
	Felixstowe ...	bcyby	byb	b	b
	Gorleston ...	b	bq	b	b
	Mildenhall ...	bcby	by	byb	b
	Cranwell ...	by	by	b	b
3	Birmingham ...	bcy	cby	b	bn
	Upper Heyford	bcy	bcyby	by	b
4	Ross-on-Wye	cqbcq	bcqy	byb	b
5	Hartland Point	cbcqy	bcqy	bbcqy	qbbcy
	Bristol ...	bcby	bcycy	byb	bbzo
	Portland Bill ...	bc	cbc	bb	bbc
	Plymouth ...	cy	cy	bcyby	bybyby
	The Lizard ...	cq	cbcyq	bcq	bc
	Scilly (St. Mary's)	cbc	cbcc	cbcc	cbc
	Guernsey ...				
6	Pembroke ...	cqy	cbcqy	bcq	bcq
7	Holyhead (Valley)	bcy	bcy	bcybc	bcb
	Chester (Sealand)	cqbc	bcy	bcybmo	bmozox
8	Manchester ...	bcy	bcy	b	bxzo
10	Spurn Head ...	bcq	bc	b	b
	Catterick ...	bcybyb	by	b	bbmo
	Tynemouth ...	bcq	bcq	bcb	b
11	St. Abbs Head	b	b	b	b
	Leuchars ...	by	b	bbcb	bxb
12	Renfrew (Abbotsl.)	cy	cybcy	bcbyb	bxbmo
	Eskdalemuir ...	bcy	bcbcy	bcbx	bxw
	Point of Ayre...	cbc	bcy	bcb	by
13A	Tiree	bcy	bcy	bcy	bbcy
13B	Stornoway ..	bbc	cbcy	b	b
15	Dalwhinnie ...	cbcy	bcy	b *	bcy
	Aberdeen ...	by	byb		bx
	Wick ...	bbc	bbcb	b	bbv
16	Sumburgh ...	b	b	b	b
17	Blacksod Point	c	c	c	c
18	Malin Head ...	c	c	c	bc
	Aldergrove ...	c	c	cybc	bcb
19	Carr Castle ...	c	c	* *	bc
20	Valentia Obsy.	r	r	c	c
	Roches Point	r	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 30th April, 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or light N.E. wind, fine at first but cloud increasing; rather warm inland during day slight frost at night.
4 W. Midlands	Moderate or light N.E. wind; fine; rather warm during day, slight frost in places at night.
5 S.W. England 6 South Wales	Fresh E. wind; fine; rather warm during day; slight frost in places at night.
7 North Wales 8 N.W. England 9 N. Midlands ...	As 3-4.
10 N.E. England 11 S.E. Scotland	As 1-2.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Light E. wind; fine; rather warm during day, frost at night.
15 N.E. Scotland	Light N.E. wind; fair but cloud increasing; rather cold.
16 Orkneys and Shetlands	
17 N.W. Ireland 18 N.E. Ireland	As 12-14.
19 S.E. Ireland 20 S.W. Ireland	As 5-6.

GENERAL INFERENCE

An anticyclone centred in the Shetland - Faroes area is slowly declining. Weather will continue fine today in all districts and the easterly winds will decrease slowly. More cloud is probable in the east tomorrow. Except near the East Coast it will be warmer than of late during the day, but at night it will be cold with slight frost in places.

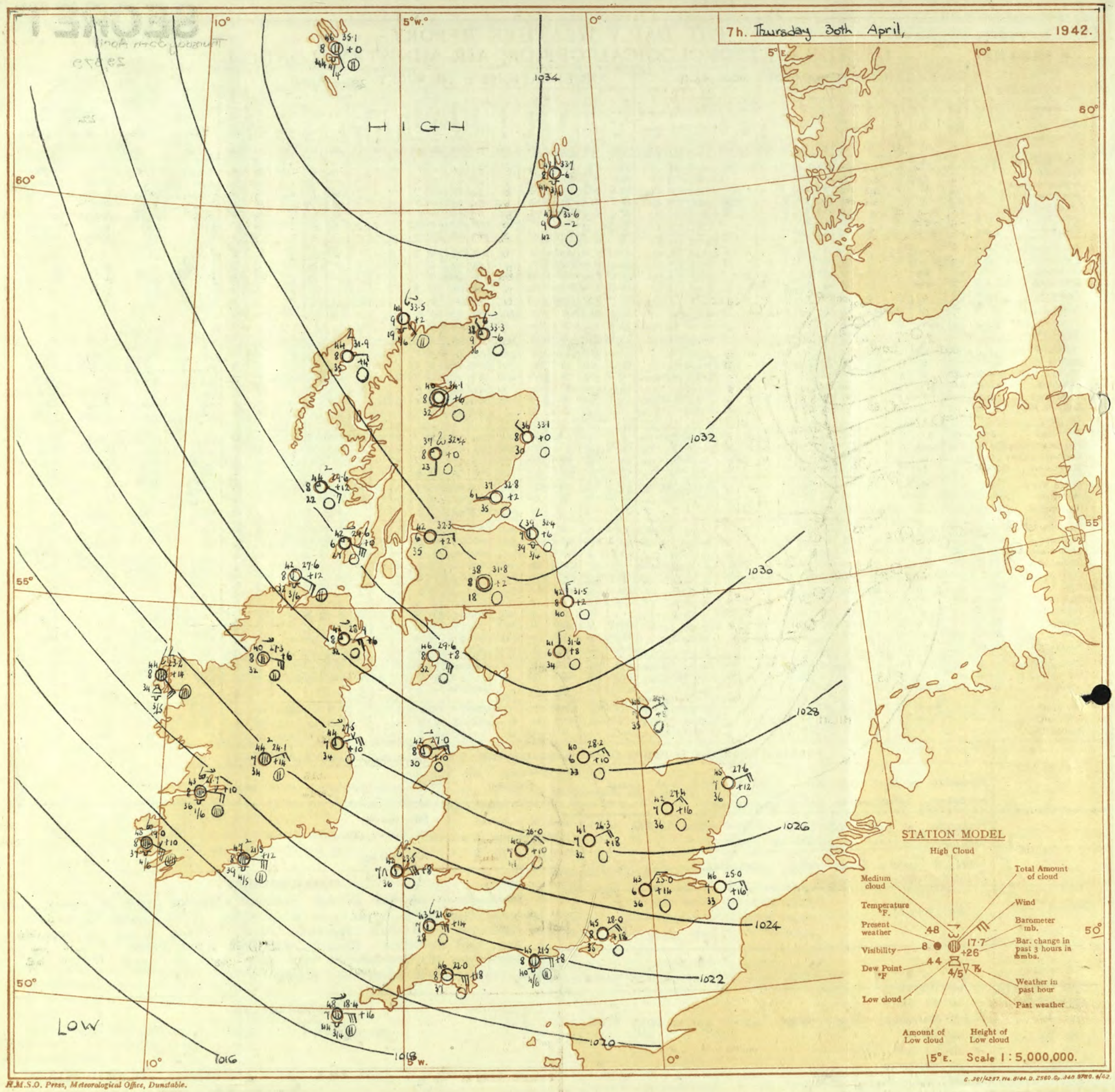
FURTHER OUTLOOK

Similar.

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

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

7h. Thursday 30th April, 1942.



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

C. 381/4237. No. 8144. D. 2560. Gp. 348 9780. 4/42.

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

Explanation of Frontal Lines shown on Charts

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

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

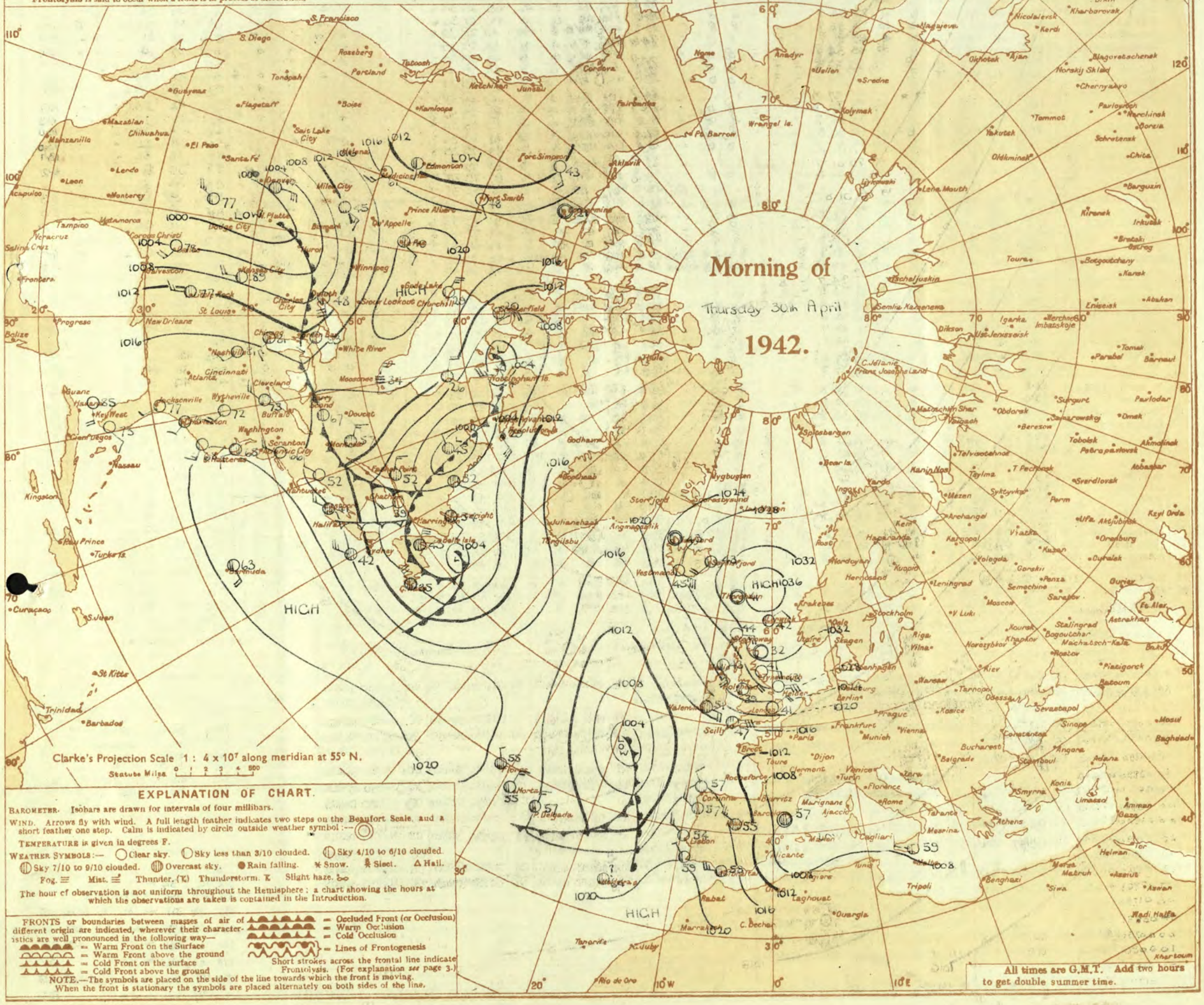
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 30th April 1942

No. 29,379

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	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22.7	+6	NE	4	b	41	75	34	7	-	-	-	0	0	-
	S. Farnborough	226	22.9	+10	ENE	3	b	40	75	32	7	-	-	-	0	0	-
	Boscombe Down	417	22.2	+8	ENE	4	b	41	65	31	7	-	-	-	0	0	-
	Thorney Island	10	20.9	+12	NE'E	4	b	45	65	34	7	-	-	-	0	0	-
	Lympne ..	283	22.6	+14	NE	5	b	45	55	30	8	-	-	-	0	0	-
	Manston ...	154	22.6	+10	E'N	4	zo	40	55	35	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24.1	+6	NE'E	6	b	45	75	37	7	-	-	-	0	0	-
	Gorleston ...	5	25.7	+2	E'N	6	b	43	75	36	7	-	-	-	0	0	-
	Mildenhall ...	15	25.4	+12	ENE	4	b	40	75	33	8	-	-	-	0	0	-
	Cranwell ...	203	27.4	+4	NE'E	3	b	38	75	31	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23.8	+4	NE	6	b	37	75	31	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19.4	+12	ENE	5	bcq	44	45	24	7	-	-	1	0	2-3	-
	Bristol ...	209	23.3	+10	E	3	b	39	75	31	8	-	-	-	0	0	-
	Portland Bill ...	32	19.1	+20	E	5	b	46	85	42	8	-	-	-	0	0	-
	Plymouth ...	82	18.9	+10	E	5	b	45	55	(30)	7	-	-	1	0	Tr	-
	The Lizard ...	240	16.9	+10	E'N	7	bc	47	75	39	7	8	-	-	4.6	4.6	2500
	Scilly (St. Mary's)	163	16.2	+8	E	6	c	47	75	40	7	5	3	3	4.6	7.8	1500
	Guernsey ...	175															
6	Pembroke ...	142	22.0	+18	E	6	bq	44	65	34	7	-	8	4	0	1	-
7	Holyhead (Valley)	32	24.8	+10	E'S	4	bc	39	65	28	8	-	-	2	0	4-6	-
	Chester (Sealand)	16	26.9	0	E	2	b	39	65	29	6	-	-	-	0	0	-
8	Manchester ...	235	27.4	+4	NE	3	b	37	75	29	7	-	-	-	0	0	-
10	Spurn Head ...	29	28.4	+2	E'N	6	b	43	65	33	7	-	-	-	0	0	-
	Catterick ...	175	30.8	-6	NNE	3	b	33	92	31	8	-	-	-	0	0	-
	Tynemouth ...	108	31.2	-2	E	4	b	41	75	35	7	-	-	-	0	0	-
11	St. Abbs Head	280	32.1	-2	SE	2	b	39	97	38	8	-	-	-	0	0	-
	Leuchars ...	36	33.0	-6	E	2	b	41	85	35	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	31.6	+2	E	2	b	38	85	33	7	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	29.8	+4	SE	6	b	41	65	32	8	-	*	8	0	*	*
13A	Tiree	22	28.4	+12	ESE	4	b	43	45	23	8	-	-	5	0	Tr	-
13B	Stornoway ...	80	31.5	+6	E	5	b	44	75	35	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	34.4	-8	-	0	b	32	92	30	8	5	-	-	Tr	Tr	4000
	Wick ...	114	34.3	-6	SE	2	b	42	85	37	8	-	-	-	0	0	-
16	Sumburgh ..	19	34.8	-10	NE	2	b	42	92	40	9	-	-	1	0	1	-
17	Blacksod Point	18	21.2	+14	SE'E	4	c	48	55	33	7	8	-	-	9+	9+	2500
18	Malin Head ...	84	25.6	+6	SE	6	bc	43	45	23	8	5	-	8	4-6	4-6	4000
	Aldergrove ...	268	27.8	+14	E	2	bc	39	65	28	7	-	-	2	0	4-6	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.6	+8	ESE	4	c	51	55	36	7	5	7	-	4-6	10	4000
	Roches Point	22	19.8	+12	E'S	6	c	50	65	39	8	5	-	-	9	9	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)	25.2	+14	NE	3	zo	45	65	34	6	-	-	-	0	0	-	0	*
Croydon	25.0	+14	NE	3	b	43	75	36	6	-	-	-	0	0	-	0	*
S. Farnborough	25.2	+16	NE'E	3	zo	43	75	35	6	-	-	-	0	0	-	0	*
Boscombe Down	24.6	+14	E'N	4	b	42	75	35	7	-	-	-	0	0	-	0	*
Thorney Island		+18	NE'E	4	b	45	65	35	8	-	-	-	0	0	-		*
Lympne	24.7	+18	ENE	3	b	46	55	31	8	-	-	-	0	0	-	0	§ 4
Manston	25.0	+16	E'N	3	b	46	65	33	7	-	-	-	0	0	-	0	*
Shoeburyness	24.5	+10	ENE	4	b	47	65	38	8	-	-	-	0	0	-	0	*
Felixstowe	26.3	+14	NE'E	5	b	45	75	36	8	-	-	-	0	0	-	0	4
Gorleston	27.6	+12	ENE	4	b	45	75	36	7	-	-	-	0	0	-	0	3
Mildenhall	27.4	+16	NE'E	3	b	42	85	36	7	-	-	-	0	0	-	0	*
Cranwell	28.4	+10	NE'E	3	b	42	75	35	8	-	-	-	0	0	-	0	*
Birmingham	27.6	+8	ENE	3	m	39	75	32	4	-	-	-	0	0	-	0	*
Upper Heyford	26.3	+18	ENE	4	b	41	75	32	7	-	-	-	0	0	-	0	*
Ross-on-Wye	26.0	+10	NE	3	b	40	75	31	7	-	-	-	0	0	-	0	*
Hartland Point	21.6	+14	ENE	4	bc	43	55	38	7	-	4	-	0	2-3	-	0	4
Bristol	25.5	+12	ENE	3	zo	41	75	28	6	-	-	-	0	0	-	0	*
Portland Bill	21.5	+8	E	4	bc	45	85	40	8	5	-	-	4.6	4.6	4000	1	4
Plymouth	22.0	+18	E	5	b	46	65	37	8	-	-	-	0	Tr	-	0	4
The Lizard	19.6	+16	E	6	bc	48	75	39	7	8	6	-	4-6	4-6	2500	0	5
Scilly (St. Mary's)	18.4	+16	E	6	bc	48	85	44	7	5	-	2	2-3	4-6	1200	0	5
Guernsey																	
Pembroke	23.5	+8	E'N	6	bcq	42	75	36	7	-	4	6	0	2-3	-	0	3
Holyhead (Valley)	27.0	+10	ENE	4	b	42	65	30	8	-	-	8	0	1	-	0	3
Chester (Sealand)	28.1	+10	-	0	zo	38	85	33	6	-	-	-	1	1	800	0	*
Manchester	28.7	+8	NE	2	zo	40	75	32	6	-	-	-	0	0	-	0	*
Spurn Head	29.1	+8	ENE	4	b	45	65	35	7	-	-	-	0	0	-	0	4
Catterick	31.6	+8	N	2	zo	41	75	34	6	-	-	-	0	0	-	0	*
Tynemouth	31.5	+2	N	3	b	42	92	40	8	-	-	-	0	0	-	0	5
St. Abbs Head	32.4	+6	NW	2	bc	39	97	33	7	4	1	-	2-3	2-3	1500	0	3
Leuchars	32.8	+2	W	1	zo	37	92	35	6	-	-	-	0	0	-	1	*
Renfrew (Abbots I.)	32.3	+2	E	2	zo	42	75	35	6	-	-	-	0	0	-	0	*
Eskdalemuir	31.8	+2	-	0	b	38	45	20	8	-	-	-	0	0	-	1	*
Point of Ayre	29.6	+8	SE'E	5	b	46	55	32	8	-	-	-	0	0	-	0	4
Tiree	29.6	+12	ESE	3	b	44	45	24	8	-	-	5	0	Tr	-	0	4
Stornoway	31.9	+4	E	2	b	44	65	35	8	-	-	6	0	0	-	0	2
Dalwhinnie	32.3	0	S	2	b	37	55	23	8	-	-	9	0	Tr	-	0	*
Aberdeen †	33.1	0	NW	2	b	36	85	30	8	-	-	-	0	0	-	1	2
Wick	33.3	-6	NW	1	b	38	92	35	9	-	4	1	0	Tr	-	0	*
Sumburgh	33.6	-2	NE'N	2	b	47	85	42	9	-	-	-	0	0	-	0	2
Blacksod Point	23.2	+14	SE	5	c	44	65	33	8	8	4	6	2-3	9	2500	0	4
Malin Head	27.6	+12	ESE	4	bc	42	65	31	8	5	-	-	2-3	2-3	4000	0	4
Aldergrove	28.9	+6	E	3	b	42	65	32	8	-	-	1	0	Tr	-	0	*
Birr Castle	24.1	+14	ENE	3	c	44	65	33	7	-	-	5	0	7-8	-	0	*
Valentia Obsy.	19.0	+10	ESE	5	c	48	65	37	8	5	7	-	4-6	9+	4000	0	4
Roches Point	21.5	+12	E'S	6	c	47	75	40	8	5	-	5	4-6	9	2500	0	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 29th Hrs. (38)
London (Kew)	52	40	34	-	-	
Croydon	51	39	34	-	Tr	10.2
S. Farnborough	55	37	31	-	-	12.4
Boscombe Down	57	37	31	-	-	11.0
Thorney Island	57			-		*
Lympne	51	41	38	-	-	11.7
Manston	51	43	39	-	-	12.1
Shoeburyness	51	42	36	-	-	10.7
Felixstowe	50	43	38	-	-	12.3
Gorleston	46	43	39	-	-	10.0
Mildenhall	54	34	22	-	-	13.0
Cranwell	51	36	32	-	-	13.1
Birmingham	56	35	29	-	-	11.2
Upper Heyford	55	36	33	-	-	*
Ross-on-Wye	57	35	26	-	-	9.3
Hartland Point	58	41	40	-	-	8.0
Bristol	59	36	26	-	-	10.3
Portland Bill	53	44	*	-	-	*
Plymouth	57	43	39	-	-	6.0
The Lizard	51	46	*	-	-	4.5
Scilly (St. Mary's)	53	46	*	Tr	-	5.6
Guernsey						
Pembroke	59	35		-	-	6.3
Holyhead (Valley)	60	36	30	-	-	*
Chester (Sealand)	57	31	29	-	-	12.7
Manchester	56	31	21	-	-	*
Spurn Head	46	42		-	-	12.5
Catterick	53	31	24	-	-	13.2
Tynemouth	45	40	36	-	-	*
St. Abbs Head	49	37		-	-	
Leuchars	49	33	25	-	-	14.2
Renfrew (Abbots I.)	57	35	22	-	-	11.5
Eskdalemuir	53	26	18	-	-	12.5
Point of Ayre	57	41	*	-	-	9.5
Tiree	56	41	*	-	-	11.6
Stornoway	57	43	*	-	-	10.3
Dalwhinnie	52	24	14	-	-	13.5
Aberdeen †	48	30	28	-	-	13.8
Wick	49	30	29	-	-	*
Sumburgh	49	41	36	-	-	14.4
Blacksod Point	54	43	*	-	-	*
Malin Head	52	40		-	-	
Aldergrove	56	37	32	-	-	8.3
Birr Castle	56	40	37	-		1.7
Valentia Obsy.	52	48	46	1	-	0.0
Roches Point	54	47	*	0.3	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 29th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 30th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	00	00890	10500	00	00890	11400	00	00890	00000	50	00841	28101
115	54	01963	43514	54	01864	45514	54	01864	12414	54	01961	12313
203				00	05890	13310	00	00890	12400			
206	50	00961	08501	00	00990	08500	00	00990	08300	00	00890	00000
210	00	00990	40402	00	00990	42501	00	00890	00000	00	00990	08100
220	00	00890	13400	00	00890	13500						
230	00	02890	06515				00	00990	05400	00	00890	06301
245	00	00990	09402	00	00990	07401	00	00990	28100	00	00990	23101
260	00	00890	07610	00	01890	06613	00	01890	04314			
278	00	01890	42615	00	01890	42614	00	00890	12312	00	00890	09400
279	00	01890	42714	00	01890	39614	00	00890	06300	00	00890	04300
285	13	00851	10602							00	00890	08400
288	00	01890	06513	00	00890	37601	00	00790	04100	00	41490	08140
575	57	02861	41626	04	02790	43525	00	01890	10414	00	01890	09514
301	00	01790	10614	00	01790	09613	00	00790	07500	00	05690	06400
321	14	00851	43602				00	00890	08300	50	05690	01300
299	00	00790	08500	00	00790	08500	00	00790	08500	50	01762	06302
292	10	00951	40502	00	00990	39401	00	00890	04200	00	00890	31200
310	--	01642	08712									
614	07	01790	39614	00	01890	39611	00	00790	04300	00	05690	00300

III	13h. G.M.T. 29th April $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 30th April $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	00	01890	08713	00	01990	06615	00	01790	06715	00	00890	07411
334	--	01672	08303							--	01691	10102
340				00	00890	08613	00	00790	08400	00	00790	07400
136	10	00742	08603	00	00790	06600	00	00790	06400	00	00790	06300
336	53	01753	12615	04	01790	12512				04	01790	12411
350	07	00890	40713	00	00890	39601	00	00790	38400	00	17690	05400
368	00	02790	39725	04	00890	05612	00	00890	39502	00	00790	07400
379	09	01890	39615				00	00790	06500	00	00890	06400
390	00	00890	39612	00	00890	41601	00	05690	04300	00	00790	04300
382	00	01890	40514	04	01890	41513	00	00790	38300	00	00790	06300
438	03	14790	06703							00	05790	04500
430	03	01990	37614	00	00890	37611	00	00790	38500	00	00890	04400
409	00	02790	40620	03	02890	09513	00	00790	37401	00	02790	41505

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 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 ...	bcy	bcby	bcbzo
Croydon ...	bc	by	bybmzw
Greenwich ...	bqy	bqy	by
Camden Square	bc	b	*
Kensington ...	bc	bc	*
Hampstead ...	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.4 Time 16–19h on 29th
Min. <0.1 Time 20–24h on 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 ...	52	40	34	-	-	10.0	*	*
Croydon ...	51	39	34	-	Tr	10.2	*	*
Greenwich ...	53	39	31	-	-	10.2	30	45
Westminster ...	53	42	37		-		45	53
Regents Park ...	54	40	34	-	-		49	51
Camden Square	55	40	32	-	-	*	*	37
Kensington ...	55	45	34	-	-		45	45
Hampstead ...	51	37	33	-	-		*	54