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.

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) — Columns 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.

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

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

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

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

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

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

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

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

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

	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/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix $_o$ indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
[gale 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.

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

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

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

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

GALE WARNINGS*

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

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

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

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

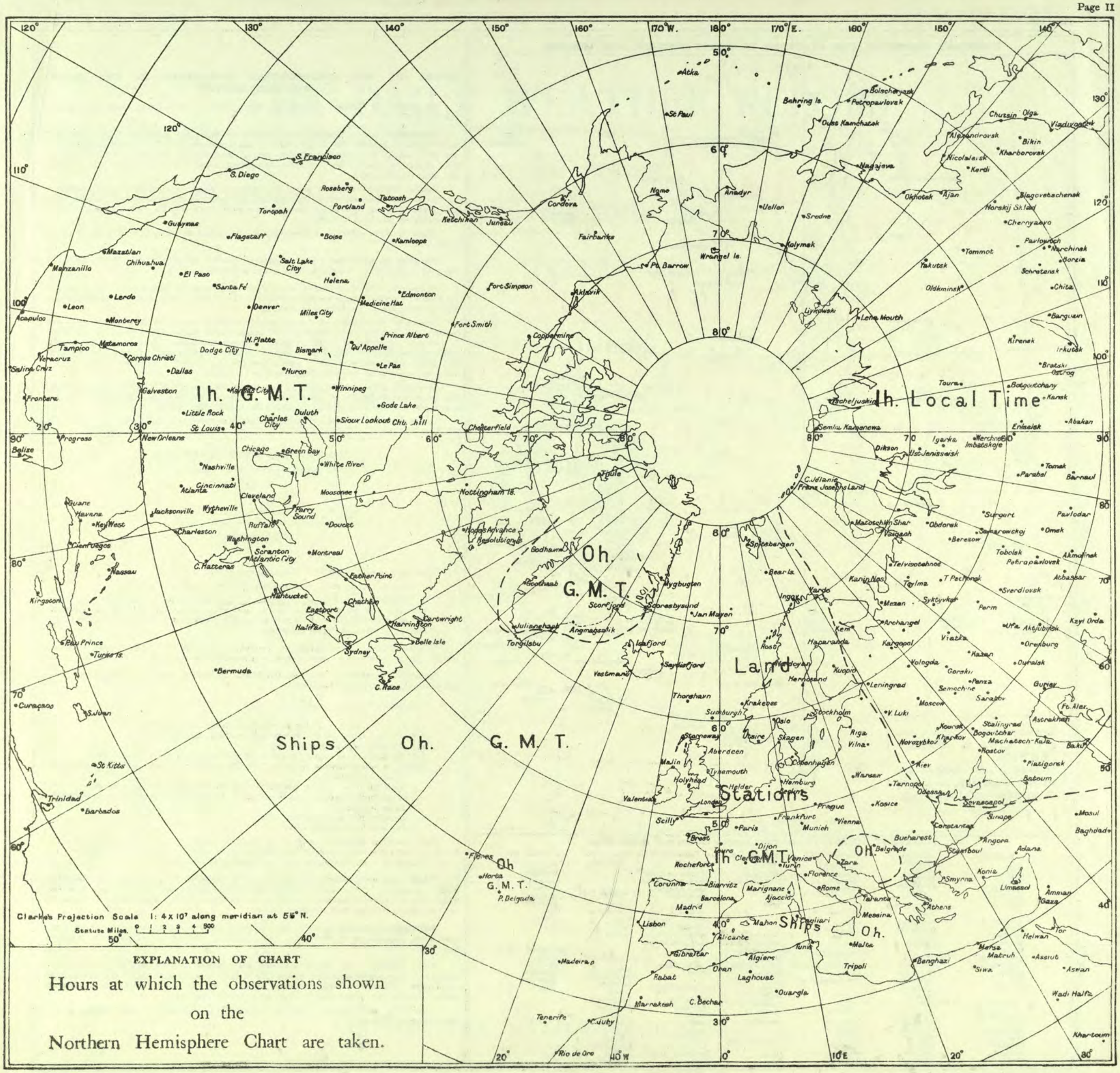
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

North Cone hoisted: South Cone hoisted:

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

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND.

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

FORECAST DISTRICTS and the Counties comprised within them

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

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.

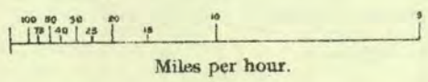
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

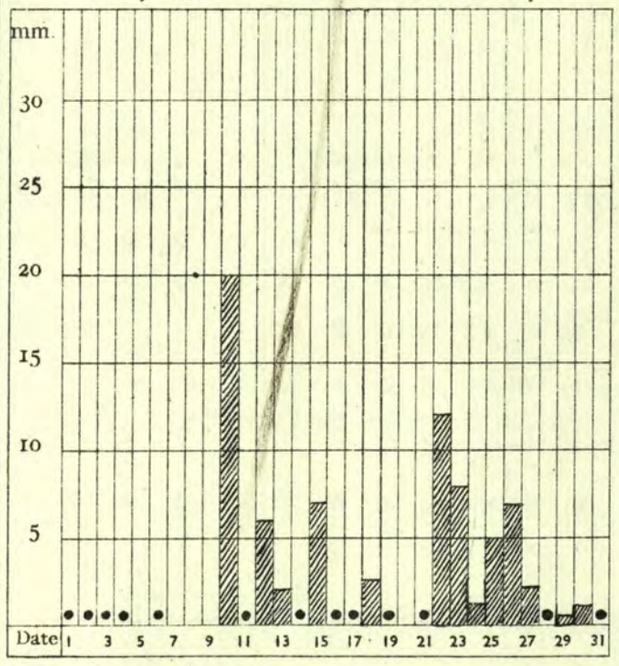
MONTHLY SUPPLEMENT,

May 1942 No. 305

Unsettled generally; rainfall and sunshine above average.

Anticyclonic conditions were the main feature of the early part of the month. The abnormal spell of drought and sunshine which had persisted since 10th April over a large part of the country lasted until 9th May. The nights were cool with frequent ground frost, but there were a few warm days. On the 6th May temperatures reached 75°F at Mildenhall and in Central London. The influence of a depression off Southwest England gave rain in the extreme Southwest on the 9th, and the drought which had persisted over most of the country since the early part of April was finally broken by more general rain and thunderstorms on the 10th. Unsettled conditions resulting from the passage of disturbances mainly from the Southwest continued until the 14th, when a ridge of high pressure from the Icelandic "HIGH" spread southeast. A rapid return to unsettled conditions followed the movement of a depression, with associated troughs, across the country, from the Southwest. Further disturbances moved eastward during the next few days, and thunderstorms, heavy in places, were experienced in Southeast England on the 19th. A ridge of high pressure over England developed into a small anticyclone over the North by the 21st, and a brief fair interval ensued, although thundery showers were reported from the West and Southwest. On the 22nd, unsettled conditions were renewed as a trough from the depression south of Iceland moved across, and thunderstorms in Southeast England and the Midlands were reported during the passage of the main disturbance. On the 25th and 26th the intense depression off Northwest Ireland moved slowly east, maintaining very unsettled conditions with gales in several places. Gales were also reported from Southwest coasts with the passage of a secondary disturbance across Southern England on 27th & 28th. The influence of a complex depression off Northwest Scotland maintained unsettled conditions generally during the remainder of the month, with scattered thunderstorms and thundery showers. Rainfall was in excess of normal almost everywhere, while sunshine was above average except in the extreme South, and was abundant in Scotland where new high records were established at Renfrew and Leuchars.

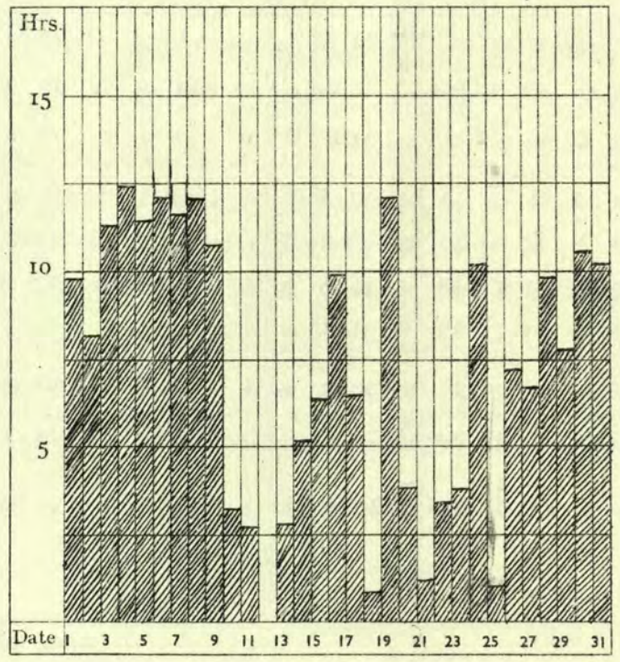
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

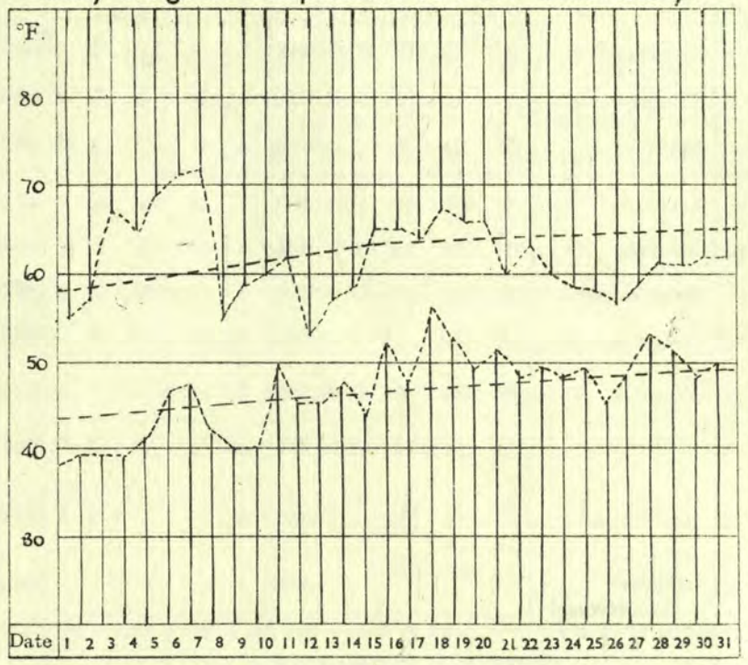
RAINFALL. Total for Month. 75 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 224 hrs.

Daily Range of Temperature at KEW Observatory.



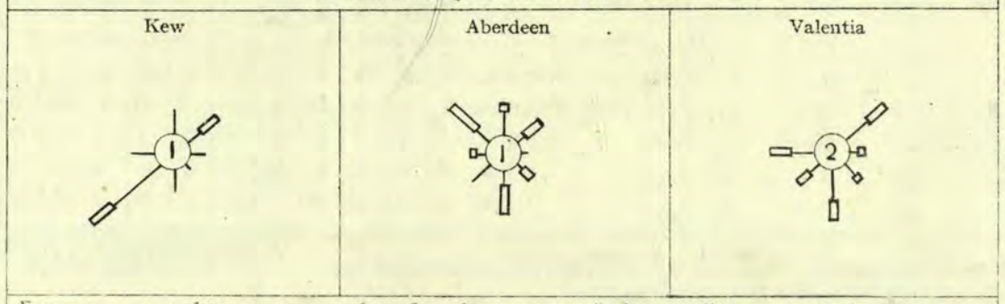
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb	mb.	°F.	°F.
Kew	1013·3	−2·6	54·1	−0·4
Aberdeen	1011·4	−3·6	47·5	−0·6
Valentia	1009·6	−5·7	52·8	−1·0

* 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; 10mm 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 ...	7,287
Aberdeen ...	6,149
Lerwick ...	12,118
Valentia .	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 42°-50°	51°-59°	60°-68°	69°-77°	78°-86°	Average Maximum.	Minimum. 24°-32°	33°-41°	42°-50°	51°-59°	60°-68°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.
							°F.						°F.	°F.		°F.		°F.		°F.		
1	London ... (Kew Obsy).	0	10	18	3	0	62·5	0	7	18	6	0	46·6	72	7	53	12	56	18	38	1	5
	Croydon ...	0	13	14	4	0	61·7	1	7	19	4	0	45·3	74	7	53	12	55	18	31	3	4
	Thorney Island	0	13	18	0	0	60·8	0	8	18	5	0	47·4	68	6, 20	55	10, 12	53	18	34	1, 3	6*
	Lympne ...	1	19	10	1	0	58·5	1	10	18	2	0	44·5	69	18	47	2	53	18	32	3	5
2	Shoeburyness...	1	11	15	4	0	60·7	0	8	17	6	0	44·5	75	7	50	2	54	18, 28	34	3	4
	Gorleston ...	7	15	7	2	0	56·8	0	7	21	3	0	45·8	74	6	47	8	59	19	39	1	0
	Cranwell ...	2	11	16	2		60·2	0	13	17	1	0	42·4	73	6	46	12	51	18	33	9	5
3	Birmingham ... (Edgbaston)	2	10	17	2	0	58·7	0	11	18	2	0	44·1	71	6	46	11	53	18	34	9	5
4	Ross-on-Wye...	1	8	18	4	0	60·5	1	8	17	5	0	44·4	72	7	49	12	53	18	32	2	5
5	The Lizard ...	1	29	1	0	0	*	0	2	27	2	0	*	60	6	50	10	51	17, 19	40	1	*
7	Holyhead ... (Valley)	0	26	5	0	0	54·8	1	7	21	2	0	46·5	61	3, 9, 20, 21.	51	11	51	21, 22	32	3	3
8	Chester ... (Sealand)	1	11	18	1	0	59·6	1	6	19	5	0	43·5	70	6	47	11	54	18, 21	29	10	3
10	Tynemouth ...	11	10	9	1	0	53·9	0	5	24	2	0	44·1	70	6	45	10, 11	52	6	38	4	0
11	Leuchars ...	7	12	11	1	0	55·4	2	10	19	0	0	41·3	69	24	48	8, 13	49	18	32	8	7
12	Renfrew ...	1	12	18	0	0	57·6	6	6	17	2	0	41·6	68	2	50	11	52	16	27	2	8
	Eskdalemuir ...	4	16	11	0	0	55·4	5	16	10	0	0	38·7	65	14	47	11	49	16	26	3	9
13B	Stornoway ...	8	22	1	0	0	52·8	0	12	19	0	0	42·2	60	20	48	7	49	5, 17, 22.	35	4	*
15	Aberdeen ...	8	18	5	0	0	53·9	3	9	18	1	0	42·2	68	6	48	8, 9, 12, 13	52	6	30	8, 9, 14.	5
18	Aldergrove ...	1	17	13	0	0	58·5	3	13	15	0	0	42·9	68	6	45	11	50	5, 22	29	4	7
19	Birr Castle ...	0	10	20	1	0	58·9	4	4	21	2	0	43·2	70	6	54	8, 12	51	7, 21	30	1	5
20	Valentia ... (Cahirciveen)						56·9						46·7									

District.	Stations.	Low Cloud. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	13 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	18 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Fog, Mist and Good Visibility. Number of observations within fixed l'mits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	1	23	1	0	27	0	0	25	1	0	0	1	2	13	0	0	0	0	23
	Croydon ...	8	16	0	2	22	0	4	20	0	0	0	0	2	18	0	0	0	4	26
	Thorney Island	11	12	0	1	22	3	3	19	3	0	1	1	1	20	0	0	0	0	27
	Lympne ...	12	13	1	3	19	2	3	16	1	0	2	0	3	15	0	0	2	0	24
2	Shoeburyness...	5	15	3	0	25	1	2	18	1	0	0	0	2	12	0	0	0	0	28
	Gorleston ...	1	22	0	1	26	0	3	20	0	0	0	0	1	22	0	0	0	0	22
	Cranwell ...	9	14	0	2	23	0	4	17	0	0	0	1	1	17	0	0	0	0	25
3	Birmingham ... (Edgbaston)	5	18	0	3	20	2	1	21	0	0	0	2	3	17	0	0	0	1	23
4	Ross-on-Wye...	3	20	0	2	26	0	1	24	0	0	0	1	1	17	0	0	0	0	24
5	The Lizard ...	5	26	0	5	26	0	4	27	0	0	1	1	0	26	0	0	2	0	21
7	Holyhead ... (Valley)	5	17	2	1	19	1	4	17	1	0	0	0	1	20	0	0	0	2	21
8	Chester ... (Sealand)	0	23	1	0	22	2	0	21	4	0	0	0	3	11	0	0	0	1	19
10	Tynemouth ...	0	28	0	1	28	0	0	26	0	0	0	0	1	15	0	0	0	0	23
11	Leuchars ...	4	20	1	0	28	0	0	27	0	0	0	1	0	23	0	0	0	0	27
12	Renfrew ...	1	24	0	1	25	0	0	24	0	0	0	4	3	13	0	0	0	0	25
	Eskdalemuir ...	6	20	0	2	27	0	1	26	0	0	0	1	0	24	0	0	0	0	28
13B	Stornoway ...	0	30	0	0	29	0	0	27	0	0	0	0	0	30	0	0	0	0	31
15	Aberdeen ...	5	25	0	2	25	0	3	24	0	0	0	2	1	22	0	0	1	0	22
18	Aldergrove ...	6	20	1	1	28	1	0	23	2	0	1	1	0	24	0	0	0	0	26
19	Birr Castle ...	5	20	0	7	18	0	9	16	0	0	0	0	0	29	0	0	0	0	31
20	Valentia ... (Cahirciveen)																			

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	1830	47·5	45·0	58	45·1	61	48·2	31
850	4810	36·9	36·2	62	35·8	62	38·3	31
750	8080	26·9	26·5	62	26·6	62	28·2	31
650	11770	15·7	15·1	62	14·2	62	16·8	31
550	15950	2·9	0·2	62	−1·3	62	2·0	31

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	46	12	16	13	2	0	21	9	12	0	0	0	20	12	4	2	0	0	12	6	6	0	0	0	500 above ground.
1000 above M.S.L.	34	9	7	11	5	0	21	7	13	1	0	0	17	8	8	0	0	0	9	4	5	0	0	0	1000 above M.S.L.
2000 ,, ,,	14	8	2	2	1	0	15	6	7	2	0	0	10	7	1	1	0	0	5	1	4	0	0	0	2000 ,, ,,
3000 ,, ,,	8	4	2	2	0	0	3	2	1	0	0	0	3	2	1	0	0	0	3	1	2	0	0	0	3000 ,, ,,
4000 ,, ,,	4	2	2	0	0	0	1	1	0	0	0	0	3	3	0	0	0	0	1	0	1	0	0	0	4000 ,, ,,

* 30 days only.

† 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 ..... May ..... 1942.

District.	Stations.	Sunshine. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months Hours.	Difference from average Hours.	Total for Month Hours.	Difference from average Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	Rainfall. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours mm.	Date.	Total for past 12 months. mm.	Difference from average mm.	Total for Month.‡ mm.	Difference from average mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	1	5	5	6	14	12·4	4	1493	+24	224	+26	1880	315	1909	114	1932	16	4	4	6	1	0	20	10	650	+44	76	+32	1856	106	1856	4	1896	2	0
	Croydon ...	1	5	4	7	14	12·6	6	1592	+67	231	+40	1922	286	1922	115	1932	16	1	8	4	2	0	16	10	661	−18	87	+40	1921	103	1932	11	1936	1	0
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*	21	2	2	5	1	0	16	23	*	*	67	+25	1941	106	1932	3	1936	0	0
	Lympne ...	2	3	10	6	10	13·9	6	1756	−9	217	−8	1921	311	1922	164	1932	15	5	6	5	0	0	11	10	678	−46	65	+25	1920	108	1930	14	1936	4	0
2	Shoeburyness ...	0	6	7	6	12	12·2	7	1548	−168	220	−4	1919	290	1922	146	1932	18	6	4	3	0	0	15	10	493	−10	53	+20	1920	79	1924	3	1936	1	0
	Gorleston ...	1	6	3	11	10	13·0	13	*	*	215	−8	1908	304	1919	127	1932	20	5	4	2	0	0	7	23	512	−110	28	−16	1871	99	1924	3	1940	5	0
	Cranwell ...	3	4	2	13	9	14·3	9	217	+28	1493	−45	1921	291	1922	99	1932	16	3	9	1	2	0	18	10	609	+19	75	+29	1917	117	1932	13	1934	2	0
3	Birmingham ... (Edgbaston)	3	4	5	7	8	13·2	3	1273	−31	206	+35	1887	252	1909	83	1932	15	2	7	7	0	0	15	10	781	+107	95	+41	1893	173	1932	5	1896	1	0
4	Ross-on-Wye ...	3	5	9	2	12	13·5	4	1461	−24	202	+16	1915	246	1922	104	1932	17	1	6	6	1	0	16	27	665	−52	93	+39	1859	139	1886	5	1896	2	0
5	Falmouth ... (Observatory)	7	5	2	7	10	14·3	31	1665	−45	189	−18	1881	336	1896	152	1925	13	1	5	8	3	1	25	17	1026	−81	166	+110	1871	142	1878	1	1896	*	*
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	267	1929	154	1920	17	4	4	4	2	0	18	10, 17	808	−75	80	+30	1871	121	1924	6	1895	0	0
8	Chester ... (Sealand)	2	7	6	3	13	13·9	3	1370	−6	213	+47	1923	242	1929	109	1932	16	2	6	7	0	0	12	10	602	−36	75	+29	1922	114	1924	9	1922	2	0
10	Tynemouth ...	Not recorded.							*	*		*	1935	*		*	*	21	3	5	2	0	0	7	15	480	−141	30	−21	1915	151	1924	15	1929	2	0
11	Leuchers ...	0	5	3	11	12	14·3	2	1404	−66	256	+79	1922	225	1935	119	1933	16	3	6	5	1	0	16	17	641	−12	86	+36	1922	109	1938	21	1922	3	0
12	Renfrew ...	1	7	6	5	12	12·7	3	1205	+12	202	+40	1921	195	1929	106	1925	16	5	5	4	1	0	17	17	877	−62	69	+9	1921	156	1925	13	1935	0	0
	Eskdalemuir ...	2	6	8	4	11	13·9	9	1323	+122	206	+45	1910	223	1919	102	1924	15	3	4	6	3	0	25	25	1422	−7	138	+54	1910	236	1925	15	1936	2	0
13B	Stornoway ..	1	5	7	6	12	14·8	8, 9	1223	+8	238	+59	1881	279	1882	134	1920	16	7	3	5	0	0	8	6, 26	933	−333	39	−26	1870	132	1920	15	1890	*	*
15	Aberdeen ...	2	7	5	6	11	14·1	8, 9	1263	−66	206	+36	1881	249	1881	105	1927	14	7	4	6	0	0	13	27	825	+77	78	+18	1871	124	1906	16	1876	2	0
18	Aldergrove ...	5	1	9	7	9	14·0	1	1234	−63	205	+9	1927	234	1927	116	1933	14	2	7	8	0	0	13	23	931	+93	88	+30	1926	90	1931	21	1939	3	0
19	Birr Castle ...	2	6	6	9	8	13·3	6	*	*	195	+26	1881	268	1901	107	1925	10	4	9	8	0	0	13	23	*	*	102	+46	1862	126	1916	9	1896	*	*
20	Valentia ... (Cahirciveen)												188	296	1896	139	1914													1866	168	1913	6	1896		

MINIMUM SURFACE HUMIDITY.

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

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

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)...	9	22	0	0	0	0	0	0	0	0
Ross-on-Wye ...	15	16	0	0	0	0	0	0	0	0
Renfrew ...	16	15	0	0	0	0	0	0	0	0
Eskdalemuir ...	16	15	0	0	0	0	0	0	0	0
Aberdeen ...	16	15	0	0	0	0	0	0	0	0
Valentia ...										

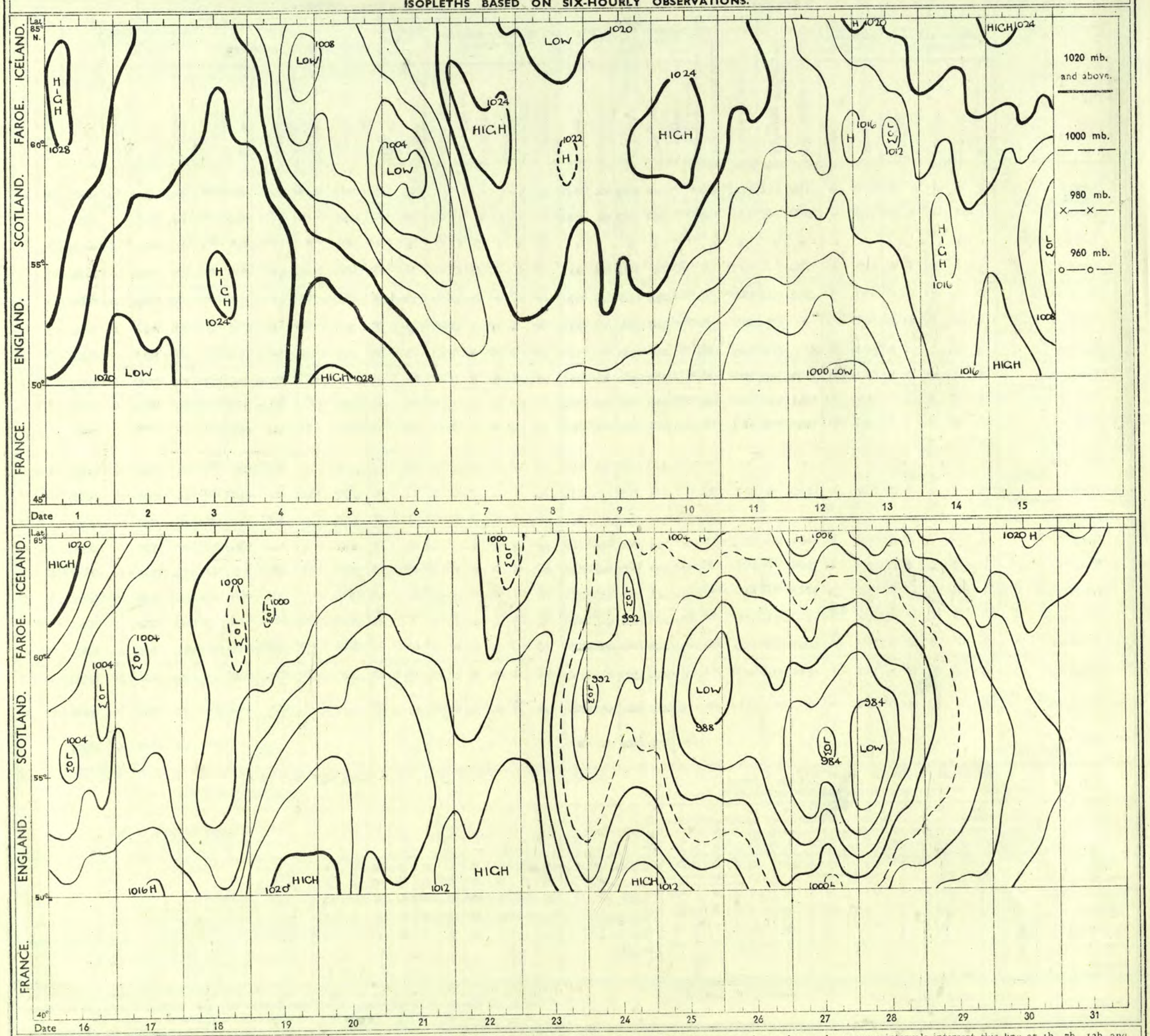
CODE for State of Ground.

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 ..... May ..... 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

Pz.388/4272. Wt.8142. D. 2558. Gp.948. 325. 6/42.

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

SECRET

Page 1

BRITISH SECTION

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

Friday 1st May 1942

No. 29,380

OBSERVATIONS at 13h. G.M.T. 30th 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)	24·9	−8	E'N	4	b	55	25	22	8	1	-	-	Tr	Tr	2500
	Croydon ...	25·2	−4	NE'E	5	b	56	35	27	8	1	-	-	Tr	Tr	2500
	S. Farnborough	24·9	−6	ENE	4	b	57	35	27	8	1	-	-	Tr	Tr	3500
	Boscombe Down	24·6	−4	E'N	4	b	58	35	28	7	1	-	-	Tr	Tr	2500
	Thorney Island	24·0	−2	ESE	4	b	57	55	30	8	1	-	-	1	1	2500
	Lympne ...	25·0	−2	ENE	3	b	51	35	27	8	1	-	-	Tr	Tr	4000
	Manston ...	26·0	−2	NE	4	b	49	65	37	8	5	-	5	Tr	Tr	2000
2	Shoeburyness ...	26·5	0	ENE	4	b	51	65	37	8	1	4	-	Tr	Tr	2000
	Felixstowe ...	26·0	−10	NE'E	4	b	51	55	45	8	-	-	-	0	0	-
	Gorleston ...	27·8	−6	NE'N	3	bc	46	75	38	7	-	-	8	0	2-3	-
	Mildenhall ...	26·6	−6	E	3	bc	57	35	29	8	1	-	-	2-3	2-3	2500
	Cranwell ...	27·7	−6	ENE	4	b	56	35	27	8	1	-	-	Tr	Tr	3000
3	Birmingham ...	26·2	−4	E	4	b	56	35	30	8	1	-	-	Tr	Tr	4000
	Upper Heyford	25·8	−6	E'N	5	b	56	35	27	8	1	-	-	1	1	3500
4	Ross-on-Wye	25·0	−4	E'N	4	b	57	35	27	8	1	-	-	Tr	Tr	4000
5	Hartland Point	23·5	+2	ENE	3	bc	53	45	31	8	-	-	4	0	2-3	-
	Bristol ...	25·5	−2	E	4	b	58	35	32	8	-	-	-	0	0	-
	Portland Bill ...	24·5		E	4	bc	50	85	46	8	2	-	-	4-6	4-6	4000
	Plymouth ...	23·8	+4	E	5	b	53	35	28	8	-	-	5	0	Tr	-
	The Lizard ...	22·5	+8	E	6	bc	52	65	41	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	21·8	+10	ES	5	c	52	75	47	7	-	-	7	0	10	-
	Guernsey ...															
6	Pembroke ...	25·1	+6	SE'E	5	bcq	53	65	40	7	-	7	-	0	2-3	-
7	Holyhead (Valley)	26·5	−6	ENE	4	z_0	57	35	31	6	-	-	-	0	0	-
	Chester (Sealand)	27·4	−10	E	4	bc	60	35	30	7	5	-	1	Tr	2-3	4000
8	Manchester ...	27·7	−10	E'N	4	b	58	35	26	7	1	-	1	Tr	1	5700
10	Spurn Head ...	25·5	0	N'E	4	b	51	55	37	7	-	-	-	0	0	-
	Catterick ...	30·2	−10	NE	4	bc	55	35	27	8	1	-	2	Tr	2-3	2500
	Tynemouth ...	31·4	−2	NE	4	bc	47	85	43	8	-	4	-	0	2-3	-
11	St. Abbs Head	31·7	+16	NW	2	b	44	87	40	8	5	-	-	Tr	Tr	4000
	Leuchars ...	32·2	−4	ESE	3	b	53	45	34	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	30·8	−4	ES	3	z_0	60	35	32	7	-	-	-	0	0	-
	Eskdalemuir ...	29·4	−12	NE	3	b	58	35	30	8	5	-	1	Tr	Tr	4000
	Point of Ayre ...	29·7	−2	E	3	b	52	75	43	8	-	-	1	0	Tr	-
13A	Tiree ...	29·7	0	ESE	3	b	54	35	22	8	-	-	5	0	1	-
13B	Stornoway ...	31·7	−4	SE	1	b	56	55	38	8	-	-	-	0	0	-
15	Dalwhinnie ...	31·6	0	S	3	b	58	25	22	8	-	-	-	0	0	-
	Aberdeen ...	32·2	−4	ENE	2	b	53	65	41	8	-	-	-	0	0	-
	Wick ...	32·8	−6	ENE	1	b	53	65	42	8	1	-	-	Tr	Tr	2500
16	Sumburgh ...	32·4	−6	NNE	3	b	51	75	44	9	5	-	-	Tr	Tr	2500
17	Blacksod Point	24·1	+4	SSE	5	c	56	45	36	8	5	-	7	4-6	10	2500
18	Malin Head ...	28·8	+2	SE'E	5	b	49	55	34	8	5	-	-	1	1	4000
	Aldergrove ...	30·2	+10	SE'E	4	b	55	45	31	8	1	-	1	Tr	Tr	4000
19	Birr Castle ...	25·0	+6	ENE	3	bc	58	45	33	7	-	-	8	0	2-3	-
20	Valentia Obsy.	21·2	+10	SE'E	4	c	58	65	47	8	1	3	6	Tr	9+	4000
	Roches Point	24·2	+10	ES	6	bc	58	65	47	8	1	8	5	1	4-6	4000

OBSERVATIONS at 18h. G.M.T. 30th 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)	24·4	−2	E	2	c	55	25	23	8	-	-	6	0	7-8	-	0	*
	Croydon ...	24·4	−2	ENE	2	bc	52	35	25	8	-	-	4	0	2-3	-	0	*
	S. Farnborough	23·9	−2	E	4	b	54	35	24	8	-	-	8	0	1	-	0	*
	Boscombe Down	23·6	−6	E	4	bc	57	35	27	8	5	-	1	2-3	4-6	4000	0	*
	Thorney Island	23·6	−2	NE	4	b	55	55	38	9	-	-	5	0	Tr	-	0	*
	Lympne ...	24·1	−2	ZNE	3	bc	49	45	30	8	-	-	6	0	4-6	-	0	§ +
	Manston ...	25·4	+14	NE	4	b	47	65	36	8	-	-	1	0	1	-	0	*
2	Shoeburyness ...	24·7	−16	ENE	4	c	49	55	35	9	-	-	6	0	7-8	-	0	*
	Felixstowe ...	24·2	−10	ENE	4	bc	48	45	26	9	-	-	6	0	4-6	-	0	
	Gorleston ...	25·0	−10	N	4	bc	50	35	25	8	5	4	-	4-6	4-6	4000	0	3
	Mildenhall ...	25·5	0	N'E	3	c	53	45	30	8	-	-	1	0	7-8	-	0	*
	Cranwell ...	26·4	−10	NE	4	b	53	55	35	8	-	-	1	0	Tr	-	0	*
3	Birmingham ...	25·6	−2	ENE	4	b	54	35	27	8	-	-	-	0	0	-	0	*
	Upper Heyford	24·4	−2	ENE	4	b	56	35	28	8	1	-	6	Tr	1	4000	0	*
4	Ross-on-Wye	24·6	−6	ENE	4	b	56	35	27	8	1	4	1	Tr	Tr	4000	0	*
5	Hartland Point	23·2	−2	NE	3	bc	53	55	40	7	1	-	-	2-3	2-3	2500	0	3
	Bristol ...	24·1	−6	ENE	3	b	57	35	32	8	1	-	-	Tr	Tr	4000	0	*
	Portland Bill ...	23·0	−4	E	4	bc	48	85	44	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	23·8	−2	E	3	b	53	65	42	8	-	-	-	0	0	-	0	3
	The Lizard ...	22·5	0	E'S	5	bc	49	65	38	8	4	-	-	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	22·6	+4	E	5	bc	50	65	39	8	-	-	5	0	4-6	-	0	4
	Guernsey ...																	
6	Pembroke ...	24·5	−6	E'N	3	b	54	65	42	7	-	-	-	0	0	-	0	3
7	Holyhead (Valley)	25·9	−2	ENE	3	z_0	58	35	29	7	-	-	-	0	0	-	0	3
	Chester (Sealand)	26·0	−6	E'N	2	b	59	35	30	7	-	-	-	0	0	-	0	*
8	Manchester ...	26·2	−6	NE	4	b	58	35	29	8	-	-	-	0	0	-	0	*
10	Spurn Head ...	27·0	−20	N'E	5	bc	46	85	42	7	2	6	-	1	4-6	4000	0	4
	Catterick ...	28·8	−6	NE	4	b	51	55	36	8	-	-	1	0	Tr	-	0	*
	Tynemouth ...	29·6	−4	W'S	2	b	46	85	42	8	-	4	-	0	Tr	-	0	3
11	St. Abbs Head	30·1	−12	-	0	b	48	75	39	9	5	-	-	Tr	Tr	4000	0	3
	Leuchars ...	30·1	−8	E	2	b	50	55	34	9	-	-	8	0	Tr	-	0	*
12	Renfrew (Abbots I.)	28·9	−2	ENE	3	z_0	59	25	28	7	-	-	-	0	0	-	0	*
	Eskdalemuir ...	28·6	−4	ENE	3	b	54	45	32	8	-	-	-	0	0	-	0	*
	Point of Ayre ...	28·1	−8	NNE	2	b	52	65	41	8	-	-	-	0	0	-	0	2
13A	Tiree ...	28·3	−2	SSW	1	b	52	45	32	3	-	-	-	0	0	-	0	3
13B	Stornoway ...	30·3	−6	NNE	4	b	51	65	40	8	-	-	-	0	0	-	0	2
15	Dalwhinnie ...	30·0	−10	SW	2	b	59	25	26	8	-	-	-	0	0	-	0	
	Aberdeen ...	30·4	−8	E'N	2	b	48	75	41	8	5	3	1	Tr	Tr	2500	0	2
	Wick ...	31·2	−6	ENE	2	bc	49	75	43	8	-	3	1	0	2-3	-	0	*
16	Sumburgh ...	30·8	−6	NE	3	bc	48	85	43	8	5	-	-	4-6	4-6	20000		1
17	Blacksod Point	24·3	+2	SSE	4	c	56	55	41	8	-	-	6	0	7-8	-	0	3
18	Malin Head ...	27·1	−6	SSE	4	b	57	25	22	8	-	-	-	0	0	-	0	4
	Aldergrove ...	28·1	−4	SE'E	3	b	55	35	30	7	-	-	1	0	Tr	-	0	*
19	Birr Castle ...	25·2	+2	ESE	2	bc	57	35	32	7	-	-	8	0	2-3	-	0	*
20	Valentia Obsy.	22·7	+6	SE'E	4	c	54	65	43	8	1	3	2	Tr	9	4000	0	3
	Roches Point	24·6	0	E'S	5	bc	51	75	44	8	-	-	5	0	4-6	-	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 30th (39)	Weather. 13h.—18h. 30th (40)	Weather. 18h.—1h. 30th/1st (41)	Weather. 1h.—7h. 1st (42)
1	London (Kew)	bczby	bbccy	cby	bbcmow
	Croydon ...	bzby	bybcy	bcbzow	bbcmobcmo
	S. Farnborough	by	bby	bbczoyb	bbcmobmocmo
	Boscombe Down	by	by	by	bzobcmo
	Thorney Island	by	byr	byvd	b
	Lympne ...	by	bcy	byccmo	czo
	Manston ...	b	bcbcb	bcmo	czo
2	Shoeburyness ...	b	bcpcyr	bcybb	bbccw
	Felixstowe ...	by	bcy	bcybbw	bwb,c
	Gorleston ...	b	bc	cbc	bcc
	Mildenhall ...	bby	bcy	cbbx	bxbcfc
	Cranwell ...	by	by	byb,c	oc
3	Birmingham ...	mby	by	b	bcm
	Upper Heyford	by	bybcy	byb	bczo
4	Ross-on-Wye	bby	by		bz
5	Hartland Point	bcy	bbcy	bcby	by
	Bristol ...	by	by	byb,b	bzoxbmo
	Portland Bill ...	bc	bcbc	b	bbc
	Plymouth ...	b	by	b	bxzo
	The Lizard ...	bc	bc	bc	bc
	Scilly (St. Mary's)	bcc	cbc	bcb	b
	Guernsey ...				
6	Pembroke ...	bcq	b	b	bcb
7	Holyhead (Valley)	bybz	bzy	byzo	bzob
	Chester (Sealand)	by	by	byzo	bcmo
8	Manchester ...	bzy	by	bymo	bzobc
10	Spurn Head ...	b	bbc	c	c
	Catterick ...	bzby	by	bzow	cfcmo
	Tynemouth ...	bc	b	bco	oc
11	St. Abbs Head	b	b	bf	fbccmo
	Leuchars ...	by	by	b	fmocfx
12	Renfrew (Abbots I.)	bzby	by	bybzw	bfgfx
	Eskdalemuir ...	b	by	by	by
	Point of Ayre ...	b	by	b	b
13A	Tiree ...	by	by	b	b
13B	Stornoway ...	b	b	b	bcc
15	Dalwhinnie ...				bbcby
	Aberdeen ...	bcby	by	bc*	bcc
	Wick ...	byb	by	bbcc	c
16	Sumburgh ...	bjfb	by	bbc	c,b
17	Blacksod Point	b	bbc	bcc	c,b
18	Malin Head ...	c	c	b	b
	Aldergrove ...	be	b	b	b
		bby	by	bybzob	b
19	Birr Castle ...	bc	bc	bc	b
20	Valentia Obsy.	c	c		b
	Roches Point	b	b	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 1st May

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light or moderate northeast wind; fine during day, much cloud and local fog at night and in early morning. Rather cold on coast, average temperature inland during day, but cold at night.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light easterly wind; fine apart from local fog night and early morning average day temperature, cold at night with frost locally.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1–4
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	As 5–8
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 5–8

GENERAL INFERENCE

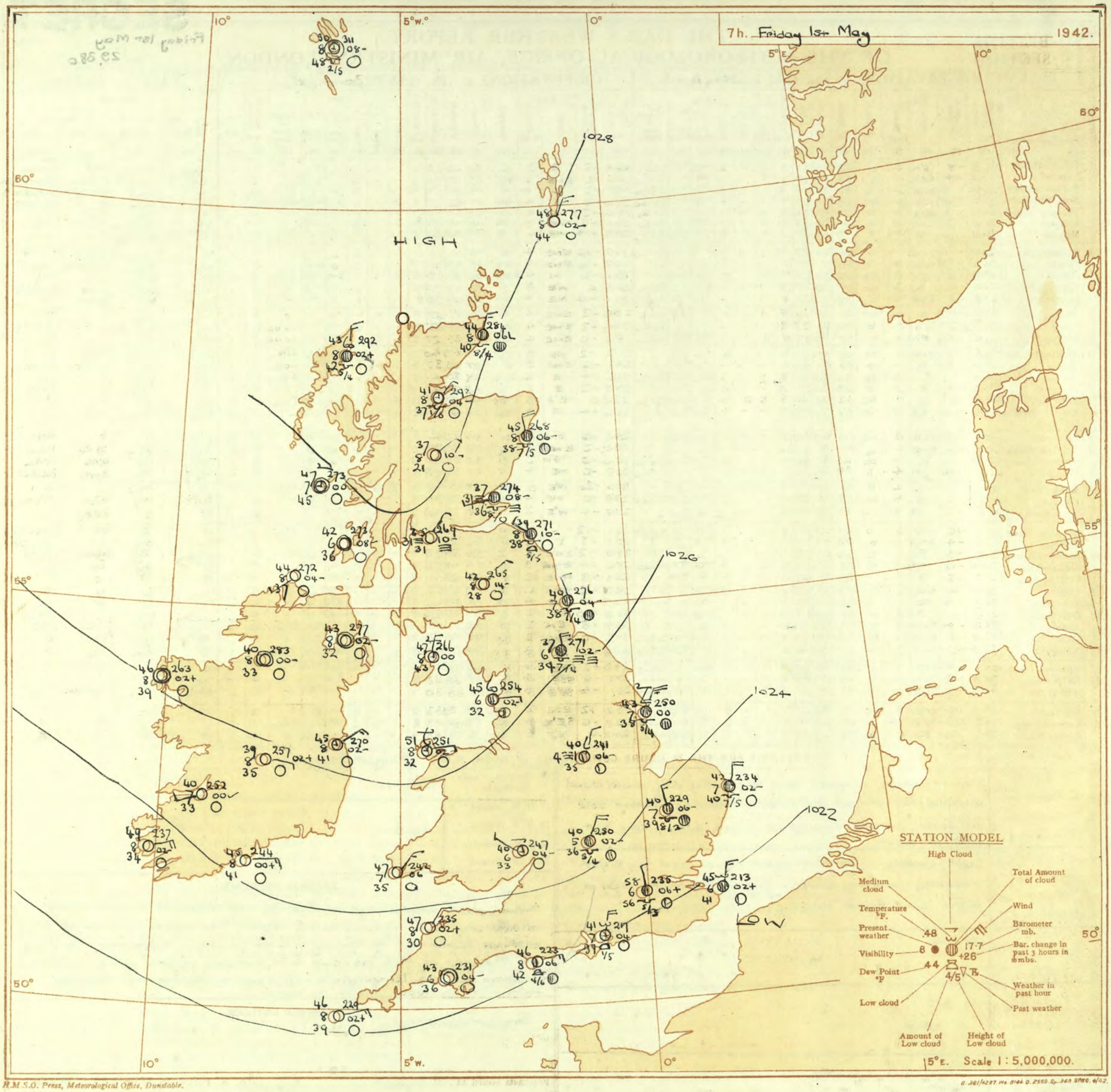
The anticyclone centred near the Faeroes at 0600 is slowly decreasing in intensity and moving slowly North. Fine weather is expected to continue, but it will be cloudy in East Scotland, Northeast England, the Midlands, at first. This cloud will probably return again tonight to eastern districts. Temperature will be average during the day but there will be local frost at night

FURTHER OUTLOOK

Similar conditions.

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).

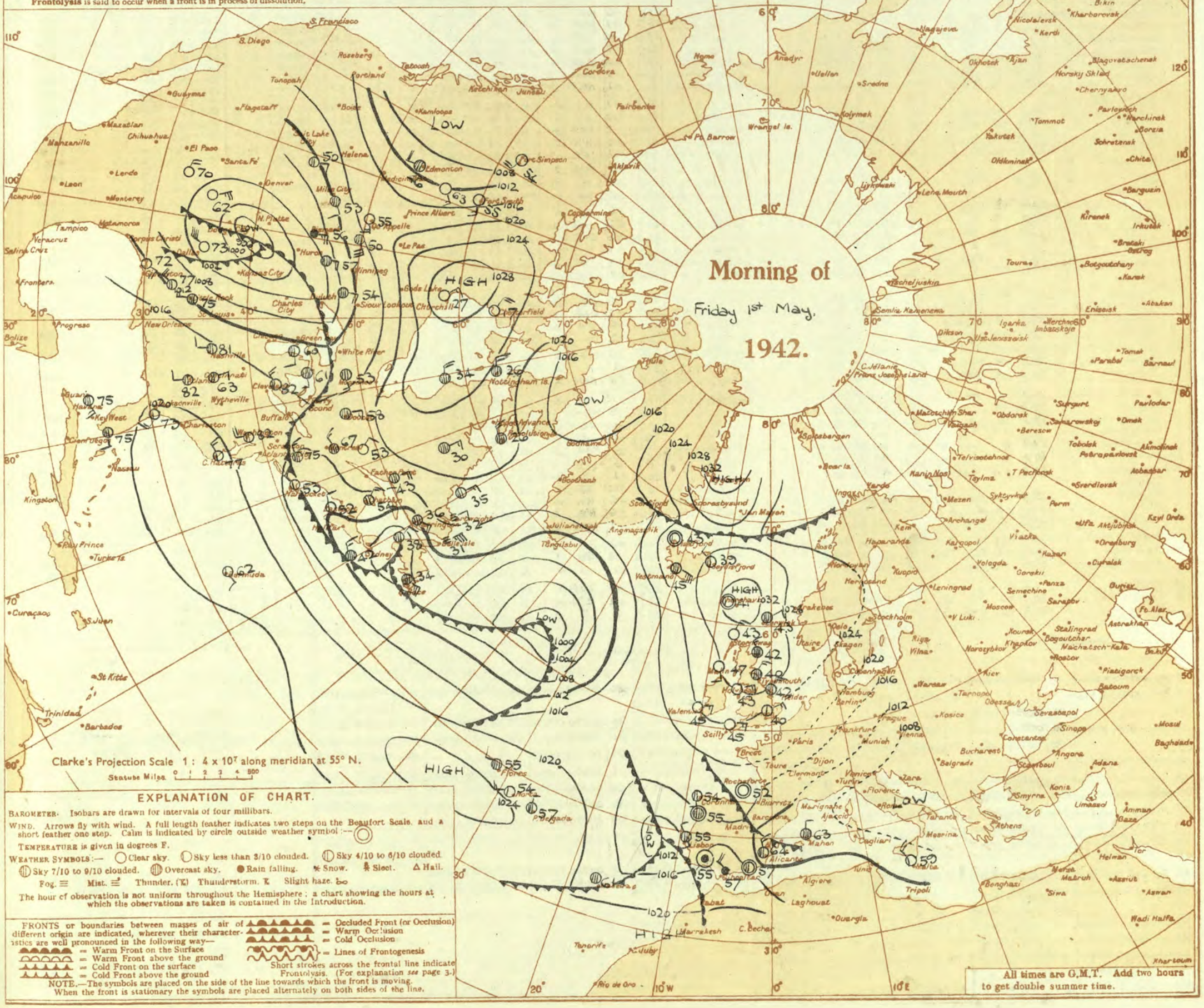
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Friday 1st May 1942

No. 29,380.

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

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	23·5	−6	NE	3	b	40	85	36	6	5	–	–	Tr	Tr	600
	S. Farnborough	226	23·5	−8	NE	2	b	39	75	32	8	–	–	–	0	0	–
	Boscombe Down	417	24·0	−8	N	1	2o	38	65	28	6	–	–	–	0	0	–
	Thorney Island	10	22·6	−10	N	3	b	40	75	34	8	–	–	–	0	0	–
	Lympne ..	283	22·4	−10	N	2	2o	41	85	37	6	5	–	–	10	10	400
	Manston ...	154	22·0	−10	NNE	3	2o	43	85	39	6	5	–	–	9+	9+	1700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·8	−10	N'E	3	b	40	85	36	7	–	–	–	0	0	–
	Gorleston ...	5	24·0	−8	NE	4	b	45	85	40	7	–	–	–	0	0	–
	Mildenhall ...	15	24·3	−6	N	2	b	33	97	33	7	–	–	–	0	0	–
	Cranwell ...	203	25·9	−2	N	3	c	41	97	40	7	5	–	–	10	10	600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·4	−6	NNE	2	b	38	85	34	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·0	+2	ENE	2	b	47	45	27	7	–	–	–	0	0	–
	Bristol ...	209	25·2	−2	E	1	b	40	65	29	7	–	–	–	0	0	–
	Portland Bill ...	32	22·8	−12	NE	3	b	44	85	39	7	–	–	–	0	0	–
	Plymouth ...	82	24·0	+2	E	1	b	39	75	33	8	–	–	–	0	0	–
	The Lizard ...	240	23·1	0	ENE	3	bc	46	75	39	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	23·1	+4	E	3	b	45	85	40	8	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	25·1	+4	NE'E	5	b	44	65	33	7	–	–	–	0	0	–
7	Holyhead (Valley)	32	26·1	−2	ENE	3	2o	43	75	36	7	–	–	–	0	0	–
	Chester (Sealand)	16	26·5	+2	NE'E	2	m	38	75	30	4	–	–	–	0	0	–
8	Manchester ...	235	26·3	−4	NNE	2	2o	40	75	34	6	–	–	–	0	0	–
10	Spurn Head ...	29	25·9	−10	N'E	3	c	42	92	40	7	2	6	–	4-6	7-8	1500
	Catterick ...	175	28·3	−4	NNW	1	2o	36	75	29	6	–	3	–	0	2-3	–
	Tynemouth ...	108	28·6	−4	NNE	3	o	40	97	40	6	5	–	–	10	10	1500
11	St. Abbs Head	280	26·9	0	NW	2	F+	36	97	36	0	–	–	–	10	10	<150
	Leuchars ...	36	29·3	−4	–	0	bjf	36	92	34	7	–	–	2	0	1	–
12	Renfrew (Abbotsl.)	19	28·9	−2	–	0	2o	36	75	29	6	–	4	–	0	Tr	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	27·9	0	–	0	b	46	85	40	8	–	–	–	0	0	–
13A	Tiree	22	28·3	0	–	0	b	47	85	45	7	–	–	–	0	0	–
13B	Stornoway ...	80	31·3	+4	NNE	3	b	43	85	39	8	–	–	–	0	0	–
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	29·3	−8	NW	3	c	42	92	39	8	5	–	–	10	10	1400
	Wick ...	114	30·0	−6	N	2	c	45	92	43	7	5	–	–	9+	9+	900
16	Sumburgh ..	19	29·5	−8	ENE	2	c	43	92	41	8	5	–	–	10	10	900
17	Blacksod Point	18	26·4	+8	SE'E	2	b	47	65	36	8	–	–	–	0	0	–
18	Malin Head ...	84	28·4	+4	SSE	2	b	47	75	40	8	–	–	–	0	0	–
	Aldergrove ...	268	28·5	−2	ENE	1	b	40	65	31	7	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·3	+2	E'N	3	b	45	65	34	8	–	–	–	0	0	–
	Roches Point	22	24·8	−2	ENE	3	b	44	85	40	8	–	–	–	0	0	–

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	°F Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	22·8	+6	NNE	3	2o	42	85	36	6	5	–	1	1	2-3	2500	0	*
	Croydon ...	23·2	+2	NNE	2	2o	42	85	37	5	5	–	–	7-8	7-8	1000	0	*
	S. Farnborough	23·5	+6	N'W	2	2o	38	92	35	6	5	–	–	7-8	7-8	600		*
	Boscombe Down	23·7	−2	NNE	3	2o	40	85	35	6	5	–	1	2-3	4-6	2000	0	*
	Thorney Island	21·7	−4	NNE	4	b	41	92	40	7	1	3	–	Tr	Tr	2500	0	*
	Lympne ..	21·6	−2	NNW	2	2o	42	92	40	6	5	–	–	9+	9+	7000	0	§
	Manston ...	21·3	+2	NNE	3	2o	45	85	40	6	–	3	–	0	9+	–	0	*
2	Shoeburyness ...	22·2	+2	N	3	c	41	85	36	7	5	–	–	9	9	6700	0	*
	Felixstowe ...	22·3	+2	N'E	4	c	42	85	35	7	5	3	–	Tr	9	1500	0	3
	Gorleston ...	23·4	−2	NNE	4	c	42	92	40	7	5	–	–	9+	9+	2500	0	3
	Mildenhall ...	22·9	−6	N'W	3	c	41	92	39	7	5	–	–	10	10	800	0	*
	Cranwell ...	24·6	−2	N'E	4	c	41	85	37	7	5	–	–	10	10	5100	0	*
3	Birmingham ...	25·1	0	NNE	2	m	40	75	33	4	–	–	6	0	7-8	–	0	*
	Upper Heyford	24·5	+4	N	3	2o	38	92	36	6	5	–	–	9	9	400	0	*
4	Ross-on-Wye	24·7	−4	NW	1	2o	40	75	32	6	–	–	1	0	1	–	0	*
5	Hartland Point	23·5	+2	NE	2	b	47	55	30	8	–	–	–	0	0	–	0	2
	Bristol ...	24·8	+2	NNE	2	2o	39	85	35	5	–	–	1	0	Tr	–	0	*
	Portland Bill ...	22·3	+6	ENE	3	bc	46	85	42	8	2	–	–	4-6	4-6	4000	1	3
	Plymouth ...	23·1	−4	–	0	2o	43	75	36	6	–	–	–	0	0	–	0	1
	The Lizard ...	23·8	+8	NE	2	bc	45	65	35	8	4	–	–	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	22·9	+2	ENE	3	b	46	75	39	8	–	–	–	2-3	0	2500	0	3
	Guernsey ...																	
6	Pembroke ...	24·2	−6	NE	3	b	47	65	45	7	–	–	–	0	0	–	0	2
7	Holyhead (Valley)	25·1	−2	ENE	1	b	51	35	25	8	–	4	1	0	1	–	0	2
	Chester (Sealand)	25·4	−6	W'N	1	bc	38	85	33	6	5	–	1	1	2-3	6000	0	*
8	Manchester ...	25·2	−2	–	0	m	39	65	27	4	–	–	9	0	7-8	–	0	*
10	Spurn Head ...	25·0	0	N'E	5	c	43	85	38	7	5	2	5	7-8	9+	1500	0	4
	Catterick ...	27·1	−2	N	4	c/f	37	85	34	6	5	–	–	9+	9+	1500	0	*
	Tynemouth ...	27·6	−4	NNW	2	c	40	92	38	7	5	–	–	9+	9+	1700	0	3
11	St. Abbs Head	27·1	−10	NW	2	c	39	97	38	8	7	–	–	7-8	7-8	2500	0	2
	Leuchars ...	27·4	−8	WSW	1	f+	37	97	36	3	5	–	–	10	10	<150	1	*
12	Renfrew (Abbotsl.)	26·9	−10	NE'N	1	bf+	35	85	31	3	–	–	–	0	0	–	0	*
	Eskdalemuir ...	26·5	−14	NE	2	b	42	55	28	8	–	–	–	0	0	–	0	*
	Point of Ayre...	26·6	0	NNE	1	b	47	85	43	8	–	–	5	0	1	–	0	2
13A	Tiree	27·3	0	–	0	b	47	97	45	7	–	–	5	0	1	–	0	2
13B	Stornoway ...	29·2	+2	N	3	c	43	92	42	8	5	7	–	7-8	10	1500	0	2
15	Dalwhinnie ...	28·2	−10	NE	1	b	37	55	23	8	–	–	–	0	0	–	1	*
	Aberdeen † ...	26·8	−6	N'W	4	c	45	75	38	8	5	–	–	9+	9+	2400	0	2
	Wick ...	28·4	−6	N'E	3	c	44	85	39	8	5	–	–	10	10	2000	0	*
16	Sumburgh ..	27·7	−2	NNE	3	b	48	85	43	8	–	–	–	0	0	–	0	
17	Blacksod Point	26·3	+2	–	0	b	46	75	39	8	–	–	–	0	0	–	0	1
18	Malin Head ...	27·2	−4	SW	1	b	44	75	37	7	–	–	–	0	0	–	0	0
	Aldergrove ...	27·7	−2	–	0	b	43	65	32	8	–	–	–	0	0	–	0	*
19	Birr Castle ...	25·7	+2	ESE	1	b	39	85	35	8	–	–	–	0	0	–	0	*
20	Valentia Obsy.	23·7	−2	E'N	4	b	49	55	34	8	–	–	–	0	0	–	0	2
	Roches Point	24·4	0	E	3	b	45	85	41	8	–	–	–	0	0	–	0	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
1	London (Kew)	56	38	27	–	–	12·5
	Croydon ...	55	36	29	–	Tr	13·0
	S. Farnborough	58	32	22	–	–	13·0
	Boscombe Down	59	33	22	–	–	12·6
	Thorney Island	58	34	27	–	–	*
	Lympne ..	53	35	30	–	–	13·3
	Manston ...	51	40	36	–	–	12·9
2	Shoeburyness ...	54	36	24	–	–	13·1
	Felixstowe ...	54	37	34	–	–	12·1
	Gorleston ...	51	39	35	–	–	11·0
	Mildenhall ...	59	40	21	–	–	13·2
	Cranwell ...	57	39	36	–	–	13·5
3	Birmingham ...	58	37	31	–	–	11·8
	Upper Heyford	58	36	33	–	–	*
4	Ross-on-Wye	58	37	23	–	–	13·4
5	Hartland Point	55	41	38	–	–	11·7
	Bristol ...	59	34	20	–	–	13·2
	Portland Bill ...	52	41	*	–	–	*
	Plymouth ...	55	35	26	–	–	13·1
	The Lizard ...	52	40	*	–	–	12·0
	Scilly (St. Mary's)	55	43	*	–	–	9·4
	Guernsey ...						
6	Pembroke ...	54	35	*	–	–	12·7
7	Holyhead (Valley)	60	39	31	–	–	*
	Chester (Sealand)	61	35	32	–	–	12·5
8	Manchester ...	61	35	23	–	–	*
10	Spurn Head ...	53	40	*	–	–	13·5
	Catterick ...	60	33	26	–	–	13·2
	Tynemouth ...	48	39	38	–	–	*
11	St. Abbs Head	48	36	*	–	–	*
	Leuchars ...	55	34	28	–	–	14·6
12	Renfrew (Abbotsl.)	61	30	21	–	–	13·1
	Eskdalemuir ...	60	33	25	–	–	13·6
	Point of Ayre...	55	43	*	–	–	13·1
13A	Tiree	58	42	*	–	–	14·0
13B	Stornoway ...	58	38	*	–	–	13·0
15	Dalwhinnie ...	61	21	11	–	–	13·4
	Aberdeen † ...	57	36	30	–	–	13·9
	Wick ...	54	49		–	–	*
16	Sumburgh ..	52	42	37	–	–	12·8
17	Blacksod Point	57	41	*	–	–	*
18	Malin Head ...	58	40		–	–	11·8
	Aldergrove ...	57	36	31	–	–	13·2
19	Birr Castle ...	59	30	24	–	–	12·5
20	Valentia Obsy.	58	38	28	–	–	
	Roches Point	53	41	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th April ... 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 00	00890	03300	10	00851	01300
115 54	01961	10313			
203			01	05890	06214
206 00	00990	10200	50	00962	10202
210			00	00990	06201
220 00	00890	13400			
230 00	00890	14200	00	00890	11100
245 00	00990	10600	5-	47308	08148
260 00	00790	07300	00	00790	04300
278 00	00890	12400	00	00890	28200
279 10	00861	04403	00	00990	07300
285					
288 00	00890	04301	00	01690	04313
575 00	00890	43402	00	00790	11300
301			00	01890	09404
321 00	00890	04402	00	00890	04401
299 00	00890	06300	00	00890	32400
292 10	00961	03201	04	00890	02301
310 --	01644	08513			
614 10	00862	06302	04	00890	06301

01h. G.M.T. 1st May ... 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
5-	02847	02217	5-	02857	32327
51	09834	08327			
01	05790	24214			
00	00890	00000	50	00861	04101
5-	02845	20105	5-	02848	28228
			00	00690	00000
00	05690	00000	00	05690	00000
--	48209	26149	50	01944	28144
00	05690	04200	--	43309	04149
00	00790	12100	00	00890	26200
00	00990	03201	04	00890	03101
			13	01861	28313
5-	47348	32128	5-	05648	32228
00	05690	00000	00	00890	00000
			07	05690	08114
5-	05637	02227	5-	05647	29327
5-	02746	32426	5-	03748	32528
03	05990	28216	53	02731	29316
			--	01643	04413
00	05690	02200	04	41490	02243

13h. G.M.T. 30th April ... 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 00	01890	12201	00	00890	08100
334 --	01681	12303			
340 10	00790	06501	00	00890	07400
136 10	00861	05301	50	02843	01417
336 00	00790	12400	00	00790	08500
350 10	01863	05403	04	00890	35402
368 00	00890	08300	00	00890	06300
379			00	00990	06402
390 10	01863	06303	00	01890	06314
382 10	00862	07402	00	00990	06301
438					
430 10	00862	06402	00	00990	04401
409 00	00790	42512	00	00890	12401

01h. G.M.T. 1st May ... 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
00	05690	04100	04	00890	00002
			--	01682	08203
00	05590	31100	00	05590	28116
50	01731	01311	5-	02737	02427
			50	05652	04312
5-	05636	34306	5-	05637	01427
00	00790	04200	00	00790	04101
00	00890	06300	51	05625	02345
00	05690	02300			
5-	02737	01227			
00	05790	04400			
00	00790	03200			
00	00890	06200	00	00890	05200

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st May
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	bz$_o$by	bbccy	bbcgwby	
Croydon ...	bz$_o$by	bybcy	bbcgbc	
Greenwich ...	by	by	b⊕b	Kew 24 hours ended 7h. Max. Time
Camden Square	b	b	*	0·1 7-11h on 30th
Kensington ...	bc	bc	*	Min. Time
Hampstead ...	bc	bc	bc	<0·1 12-15h on 30th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew	56	38	27	–	–	12·5	*	*
Croydon ...	55	36	29	–	Tr	13·0	*	*
Greenwich ...	56	37	21	–	–	12·0	27	63
Westminster ...	57	40	35	–			41	72
Regents Park ...	58	38	32	–	–		49	61
Camden Square	61	39	33	–	–	*	*	59
Kensington ...	61	39	32	–	–		39	63
Hampstead ...	55	35	33	–	–		*	71

SECRET

Page 1

BRITISH SECTION

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

Saturday 2nd May 1942

No. 29381

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

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)	20·8	-16	N	3	c	54	35	29	7	8	-	-	9+	9+	2500
	Croydon	21·0	-14	N	4	c	54	45	32	7	2	-	-	9+	9+	3000
	S. Farnborough	20·8	-14	NE'E	3	c	56	35	29	8	7	-	-	7-8	7-8	4000
	Boscombe Down	21·6	-14	NE	3	bc	56	35	29	8	1	-	1	4-6	4-6	2500
	Thorney Island	20·6	-8	NNE	3	c	57	65	45	7	2	-	-	7-8	7-8	4000
	Lympne	20·9	-8	NNE	4	c	51	45	37	8	2	3	-	2-3	7-8	3500
	Manston	20·7	-8	NE'N	4	c	49	65	38	7	1	3	-	Tr	9+	3000
2	Shoeburyness	20·6	-18	N	3	c	56	45	33	8	7	-	-	9	9	4000
	Felixstowe	20·7	-14	ENE	4	c	44	75	37	8	4	3	-	7-8	7-8	5700
	Gorleston	22·2	-2	NNE	4	c	45	75	36	7	5	4	-	4-6	9	2800
	Mildenhall	21·6	-16	N'W	3	bc	52	55	48	8	7	3	1	4-6	4-6	2500
	Cranwell	23·1	-14	NNE	4	bc	49	65	38	8	5	-	-	4-6	4-6	3000
3	Birmingham	22·6	-10	E	3	z0	50	55	35	6	5	-	-	9+	9+	5700
	Upper Heyford	22·1	-14	NE'N	3	z0	51	55	37	6	1	-	-	4-6	4-6	3500
4	Ross-on-Wye	21·6	-20	N	3	z0	56	45	34	6	1	9	-	Tr	4-6	3500
5	Hartland Point	22·7	-2	NE	2	bc	51	55	36	7	1	-	4	Tr	2-3	2500
	Bristol	22·5	-16	N'E	2	bc	57	35	33	8	1	3	1	2-3	4-6	4000
	Portland Bill	21·4	-8	ESE	2	bc	54	85	50	8	2	-	-	4-6	4-6	4000
	Plymouth	22·0	-6	E	2	b	58	45	41	8	1	-	1	Tr	Tr	4000
	The Lizard	23·1	+6	E	3	b	54	65	43	8	4	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	23·0	0	NE	3	b	55	75	47	8	-	-	-	0	0	-
	Guernsey															
6	Pembroke	23·2	+6	NNW	4	b	59	55	30	7	-	-	-	0	0	-
7	Holyhead (Valley)	23·0	-16	N	3	b	58	45	39	8	-	4	-	0	Tr	-
	Chester (Sealand)	23·1	-12	NW'W	4	b	53	45	31	7	-	-	1	0	1	-
8	Manchester	22·5	-16	NE	4	bc	60	25	26	6	-	4	1	0	4-6	-
10	Spurn Head	23·7	-16	NNE	4	c	46	75	39	7	7	7	1	4-6	7-8	1500
	Catterick	24·4	-18	NE	3	z0	52	55	38	6	5	-	-	Tr	Tr	3500
	Tynemouth	25·5	-10	NNE	3	bc	47	79	40	8	2	-	-	4-6	4-6	2400
11	St. Abbs Head	25·2	-8	N	1	bc	45	85	41	8	5	4	-	2-3	4-6	3500
	Leuchars	25·2	-8	SE	3	b	51	65	40	8	1	-	-	Tr	Tr	3000
12	Renfrew (Abbots I.)	23·8	-12	E	1	z0	64	35	36	6	-	-	-	0	0	-
	Eskdalemuir	23·0	-18	NE	2	b	57	35	30	8	-	-	-	0	0	-
	Point of Ayre	24·0	-14	NE'E	2	b	52	65	41	8	-	-	-	0	0	-
13A	Tiree	25·8	-12	N'E	2	b	52	75	45	8	-	-	-	0	0	-
13B	Stornoway	27·7	-2	NNE	4	b	49	75	42	8	1	-	-	Tr	Tr	3500
15	Dalwhinnie	24·3	-8	N	3	b	58	25	26	8	-	-	-	0	0	-
	Aberdeen	24·8	-18	ENE	4	b	54	55	37	8	5	-	-	Tr	Tr	2400
	Wick	26·7	-10	NE	4	b	51	65	40	9	1	3	1	Tr	1	3000
16	Sumburgh	26·2	-6	NE'N	3	b	52	55	38	8	-	-	1	0	Tr	-
17	Blacksod Point	25·0	-10	-	0	b	62	45	41	8	-	-	-	0	0	.
18	Malin Head	25·6	-10	WNW	2	b	51	85	47	7	-	-	-	0	0	.
	Aldergrove	24·4	-20	W'S	2	b	61	35	34	7	1	-	-	Tr	Tr	4000
19	Birr Castle	23·9	-14	ESE	2	bc	65	35	37	7	-	-	8	0	2-3	-
20	Valentia Obsy.	23·4	-2	SE	3	b	62	45	41	9	1	-	1	Tr	1	2500
	Roches Point	24·6	0	E'S	3	b	53	65	42	8	1	-	-	Tr	Tr	4000

OBSERVATIONS at 18h. G.M.T. 1st May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 1st (39)	13h.–18h. 1st (40)	18h. 1st to 1h. 2nd (41)	1h.–7h. 2nd (42)
London (Kew)	20·1	-4	E'S	1	z0	51	55	34	6	1	-	8	2-3	2-3	2500	0	*	bcz0cy	cpr0bc	bcbzw	bzwcmz
Croydon	20·0	-2	ENE	2	c	50	55	34	7	2	-	9	2-3	7-8	2500	0	*	bm0ybc	c	cybcw	cbcmz
S. Farnborough	19·7	-2	NE'N	3	bc	54	45	3	8	1	-	1	4-6	4-6	3500	0	*	bbczy	qbcy	bcbmzc	cmzwbcebc
Boscombe Down	20·5	-10	NE	3	b	53	45	34	8	2	-	1	1	1	2500	0	*	bcb	bc	bcybmz	bm0
Thorney Island	19·3	-6	NNE	3	bc	55	35	27	8	4	-	1	2-3	2-3	5700	0	*	bcc	cpr0bc	bbom	bcmcb
Lympne	20·3	-2	N	2	c	49	35	26	9	-	-	2	0	7-8	-	0	§	cybcy	bcyvbyw	bcvyc	czpzpr
Manston	19·8	-4	N'E	2	c	47	65	37	8	-	3	6	0	9	-	0	*	cm0z0c	cmbybcc	ccm0	cmzpzmz
Shoeburyness	20·1	-4	E'N	3	bc	49	55	22	9	-	-	5	0	4-6	-	0	*	cwccy	cbc	bcyvbc	id0m0o
Felixstowe	20·1	-4	ENE	3	c	48	75	41	8	-	-	8	0	9+	-	0	3	c	cbcc⊕	cwc	cir0c
Gorleston	20·8	-12	N'E	4	c	45	75	36	7	5	-	7	2-3	10	2800	0	2	cbc	bcc	cz	c
Mildenhall	20·4	-4	NNE	3	bc	53	55	37	8	4	-	8	Tr	4-6	2500	0	*	cwbccbc	bcy	bccbc	bcmzomc
Cranwell	20·8	-10	NNE	2	b	53	55	36	8	-	-	2	0	2-3	-	0	*	cbc	by	bbcbmzw	bm0cmx
Birmingham	20·9	-6	ENE	3	z0	55	45		6	-	-	-	0	0	-	0	*	bccz	cbz	bz	bbcz
Upper Heyford	20·4	-14	NE	3	bc	53	45	34	7	1	-	1	2-3	2-3	3000	0	*	cm0bcz0	z0bcy	bcybc	bm0cm
Ross-on-Wye	20·2	-6	E	3	b	54	55	37	7	1	-	1	Tr	Tr	4000	0	*	bzbyz	bcyz0	bbz	bm0r
Hartland Point	20·9	-10	WSW	3	b	53	75	45	7	-	-	-	0	0	-	0	3	by	bcb	b	b
Bristol	21·0	0	NE	3	bc	53	45	35	8	1	-	-	2-3	2-3	4000	0	*	bm0bcz0	bz0y	bzmzbm	bzbm
Portland Bill	19·8	-10	W	3	c	49	92	47	8	5	-	-	7-8	7-8	4000	1	3	bc	bcc	b	bcbc
Plymouth	21·6	-4	WSW	3	bc	52	65	40	8	4	-	-	2-3	2-3	4000	0	3	by	bbcy	b	bmzbx
The Lizard	22·4	-4	W	1	bc	52	75	42	8	4	-	-	2-3	2-3	3500	0	3	bc	bc	bc	bc
Scilly (St. Mary's)	22·8	-2	SW	2	b	53	55	37	8	-	-	1	0	Tr	-	0	2	b	by	bw	bw
Guernsey																					
Pembroke	21·6	-12	N	4	b	55	55	40	8	-	-	-	0	0	-	0	2	by	bqy	bcb	bc
Holyhead (Valley)	21·6	-10	NW'W	3	b	53	55	37	7	-	-	-	0	0	-	0	2	by	by	byzm0	bmzgfx
Chester (Sealand)	21·2	-10	NW	4	bc	52	55	37	8	1	-	8	2-3	4-6	5000	0	*	bcby	bbcy	byz	bmbcmz
Manchester	20·1	-12	-	0	bc	59	45	35	6	-	-	1	0	2-3	-	0	*	bczz0y	bcz0y	bzm0	bmx
Spurn Head	21·6	-6	N'E	4	c	45	75	38	7	1	3	2	2-3	7-8	1500	0	3	cbcby	c	c	bc
Catterick	21·9	-12	NE	3	z0	50	65	39	6	-	-	-	0	0	-	0	*	cbz0y	bz0	bzbmcm0	cmzc
Tynemouth	23·3	-4	NNE	3	b	43	85	38	8	-	4	-	0	1	-	0	3	cbc	bc	bcc	c
St. Abbs Head	23·1	-10	NE	1	b	46	85	42	8	1	4	-	Tr	1	3500	0	2	cm0cbc	bcb	bc	bcb
Leuchars	22·8	-14	ESE	3	b	50	75	41	8	-	-	-	0	0	-	0	*	b	b	b	bbxb
Renfrew (Abbots I.)	21·7	-10	SE'E	2	z0	60	45	40	6	-	-	-	0	0	-	0	*	bfmz0	bz0y	bzz	bifF
Eskdalemuir	21·3	-10	NE'E	2	b	55	55	8	8	-	-	-	0	0	-	0	*	by	by	bx	bbcx
Point of Ayre	21·9	-12	NWW	2	b	55	65	43	8	-	-	-	0	0	-	0	2	b	b	bbcw	bc
Tiree	24·0	-6	N'W	2	b	50	75	43	8	-	-	-	0	0	-	0	3	b	b	b	b
Stornoway	26·1	-6	NNE	5	b	49	85	45	8	-	-	3	0	Tr	-	0	3	cbcb	b	b	by
Dalwhinnie	23·6	-4	NE	4	b	54	35	9	8	-	-	-	0	0	-	0			by		bbc
Aberdeen	23·1	-12	N	4	b	53	55	38	8	-	-	-	0	0	-	0	3	cbcby	by	bw	b
Wick	25·5	-6	NNE	4	b	51	65	40	9	-	-	-	0	0	-	0	*	bcb	byb	b	b
Sumburgh	24·9	-10	NE	3	b	50	65	38	8	-	-	1	0	Tr	-	0	1	by	byb	b	bbc
Blacksod Point	23·8	-6	NNW	2	b	58	55	42	8	-	4	-	0	Tr	-	0	2	b	b	b	b
Malin Head	24·1	-8	NNW	2	b	51	75	44	8	-	-	-	0	0	-	0	0	b	b	b	bc
Aldergrove	22·7	-8	NNW	3	b	60	25	24	8	-	-	5	0	1	-	0	*	bby	bz0yby	by	bmzffw
Birr Castle	22·3	-6	NNE	1	bc	64	35	36	7	5	-	4	2-3	4-6	2500	0	*	bc	bc		bc
Valentia Obsy.	23·2	0	S'W	3	b	57	35		8	-	-	-	0	0	-	0	3	b	b	b	b
Roches Point	23·5	-8	S	2	b	55	65	44	8	-	-	-	0	0	-	0	2	b	b	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 2nd May

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Cloudy with local rain; some fair periods inland later to-day. Moderate northerly winds, fresh on coasts; cool.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Mainly fair; chance of slight showers over high ground. Cool; moderate northerly wind.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	As 1-3
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland	Fine; local valley fog at night. Light northerly winds; average temperature.
14 Mid Scotland, 15 N.E. Scotland	Fair during day, becoming cloudy with local drizzle to-night. Moderate northerly winds, backing and freshening later.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Light variable winds; fine; average temperature.

GENERAL INFERENCE

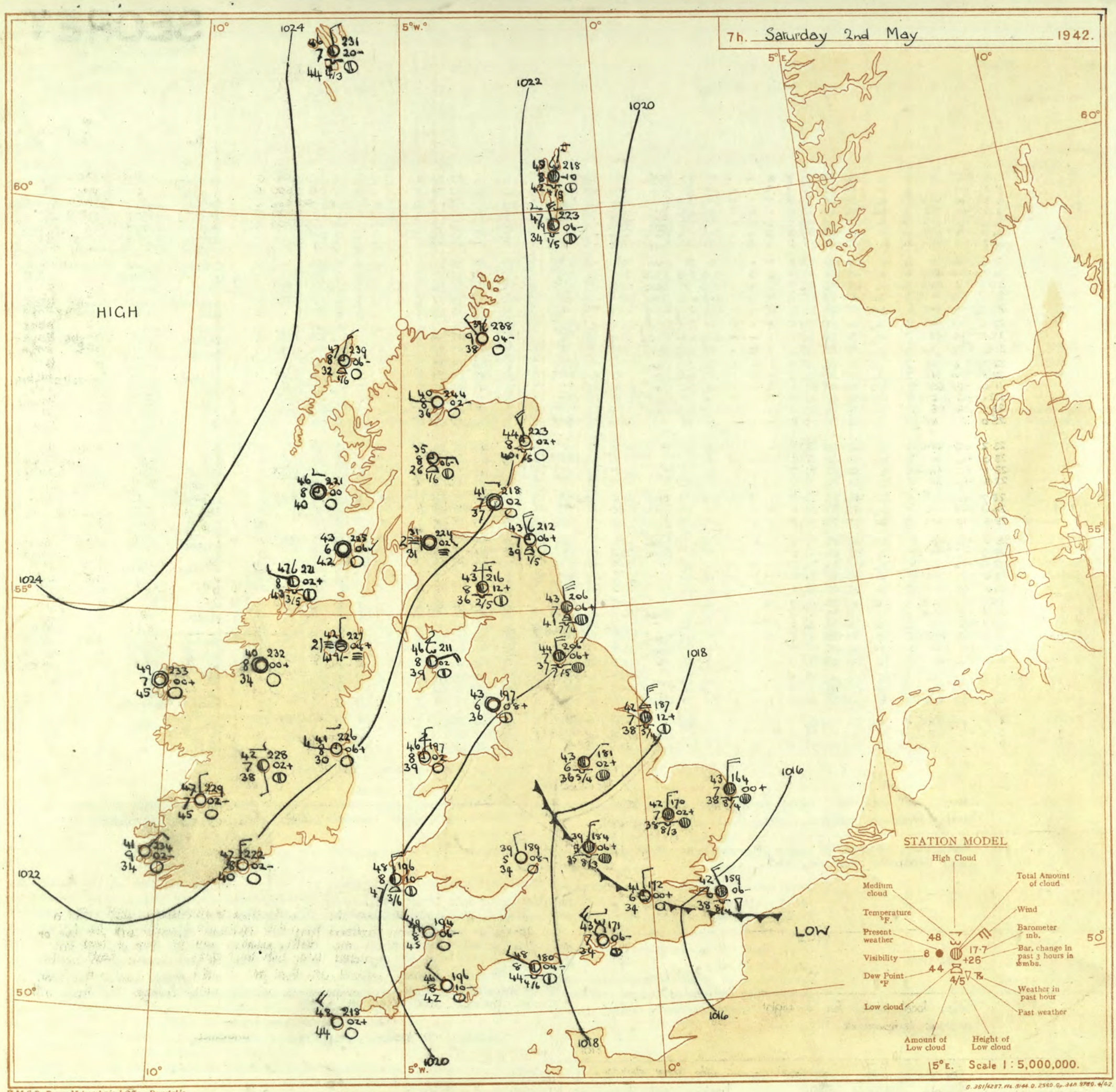
A depression estimated over the Low Countries is spreading west and a trough is approaching Scotland from the northeast. Weather will be fair or fine in western districts. In the North, weather will be fine at first but cloudy conditions are expected later with local drizzle. In the East, weather will be mainly cloudy, probably with local rain. It will be rather cold in the East. In the West and North, day temperatures will be about average, but there will be ground frost locally at night.

FURTHER OUTLOOK

Tendency to become slowly more unsettled.

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.

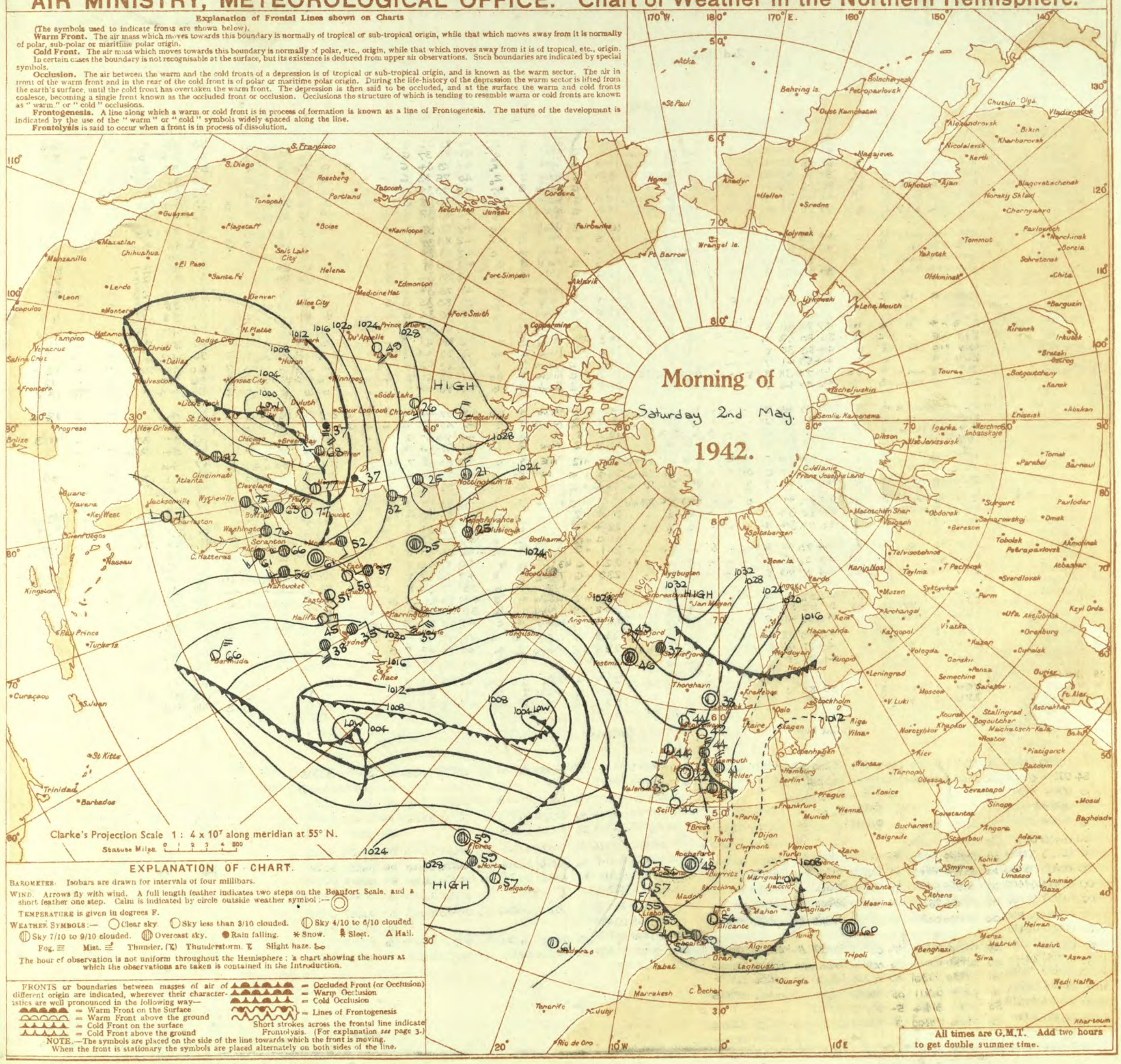
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Page 4.

BRITISH SECTION

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

Saturday 2nd May 1942

No. 29381

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

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Croydon	290	19.1	-10	WSW	2	c	41	75	34	4	5	3	-	4-6	9+	3000
	S. Farnborough	226	18.8	-14	NNW	1	z0	36	85	33	6	5	-	-	9+	9+	7000
	Boscombe Down	417	20.5	-4	NNW	1	z	37	85	32	6	-	3	-	0	Tr	-
	Thorney Island	10	18.9	-10	NW'N	2	z0	36	92	34	6	-	3	-	0	1	-
	Lympne	283	19.0	-14	NNW	2	c	41	65	28	7	5	7	6	2-3	9	6000
	Manston	154	17.4	-22	WSW	2	z	38	85	35	6	5	7	-	Tr	9+	600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17.4	-18	NW'W	3	c	44	85	38	7	-	7	-	0	9+	-
	Gorleston	5	17.5	-26	N	3	c	42	75	36	7	5	-	-	10	10	1500
	Mildenhall	15	18.3	-14	WNW	2	z0	37	92	34	6	-	3	-	0	7-8	-
	Cranwell	203	18.5	-14	NW	3	z0	39	92	37	6	-	4	-	0	1	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19.3	-6	W	2	c	41	75	34	7	-	5	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.3	-4	N	2	b	47	85	43	8	-	-	-	0	0	-
	Bristol	209	20.7	-6	-	0	z0	35	85	32	6	-	-	-	0	0	-
	Portland Bill	32	19.0	1.0	N	2	b	44	85	39	8	-	-	-	0	0	-
	Plymouth	82	20.7	-4	-	0	b	44	85	41	7	-	-	-	0	0	-
	The Lizard	240	21.2	-8	NNW	4	bc	45	75	38	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	22.3	-8	NNW	3	b	46	97	46	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	22.6	+20	NW'N	4	b	47	85	43	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	20.1	-10	-	0	z0	42	85	38	6	-	-	1	0	1	-
	Chester (Sealand)	16	18.8	-18	WNW	3	bc	45	75	37	6	-	-	5	0	2-3	-
8	Manchester	235	19.2	-10	-	0	z0	39	85	35	5	-	-	-	0	0	-
10	Spurn Head	29	18.7	-16	N	5	c	41	97	40	7	7	2	-	7-8	10	1500
	Catterick	175	20.6	-8	N	4	z0	43	75	37	6	5	-	-	10	10	1300
	Tynemouth	108	20.7	-8	N	6	c	44	92	42	7	5	-	-	9+	9+	1500
11	St. Abbs Head	280	21.4	-8	NW	3	bc	43	92	41	7	5	-	-	4-6	4-6	2500
	Leuchars	36	22.0	-2	-	0	b	37	85	34	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	22.0	-2	-	0	m	36	92	34	4	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20.8	-6	E	4	bc	44	85	41	8	-	-	5	0	2-3	-
13A	Tiree	22	22.6	-6	-	0	b	44	92	42	8	-	-	-	0	0	-
13B	Stornoway	80	24.7	-14	NNE	4	b	44	97	43	8	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22.9	-6	NNW	4	b	42	92	41	9	-	-	-	0	0	-
	Wick	114	25.3	+6	N	1	b	37	92	36	9	-	-	-	0	0	-
16	Sumburgh	19	23.9	-8	NE	3	b	43	92	41	8	-	-	-	0	0	-
17	Blacksod Point	18	23.5	-2	-	0	b	45	75	38	8	-	-	-	0	0	-
18	Malin Head	84	22.4	-10	S	1	b	44	97	43	8	5	-	-	1	1	800
	Aldergrove	268	22.8	-2	NNW	1	b	41	92	39	7	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23.7	-2	NE	2	b	39	85	35	9	-	-	-	0	0	-
	Roches Point	22	22.9	-2	N	3	b	46	75	39	8	-	-	-	0	0	-

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

Stations	Barom. at M.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)	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)	17.6	-2	N'E	2	z0	40	85	36	6	5	-	-	9+	9+	1500	0	*
Croydon	17.5	-2	N	3	z0	41	85	37	6	5	-	-	10	10	700	0	*
S. Farnborough	17.2	0	N	2	z0	41	75	34	6	-	-	9	0	Tr	-	1	*
Boscombe Down	18.2	+6	NNW	2	z0	40	75	33	6	-	-	-	0	0	-	0	*
Thorney Island	17.1	-6	NW'N	3	bc	43	65	34	7	-	6	1	0	2-3	-	0	*
Lympne	16.9	-6	NW	2	c/pr	41	85	38	6	2	7	-	9	10	2500	1	3
Manston	15.9	-6	NNW	3	z	42	85	37	6	5	-	-	10	10	1500	0	*
Shoeburyness	16.5	-2	NW'N	2	id	43	85	38	6	5	-	-	10	10	1000	0	*
Felixstowe	16.5	0	N	3	c/r0	42	85	37	7	5	-	-	10	10	1200	0	2
Gorleston	16.4	0	N'E	4	c	43	85	38	7	5	-	-	10	10	1000	0	
Mildenhall	17.0	+2	N'E	3	c	42	85	38	7	5	-	-	10	10	800	0	*
Cranwell	18.6	+6	N	4	c	43	75	36	7	5	-	-	10	10	1500	0	*
Birmingham	18.8	+2	NNE	3	z0	41	75	34	6	-	-	-	0	0	-	0	*
Upper Heyford	18.4	+6	N'E	3	z0	39	85	35	5	5	-	-	10	10	3000	0	*
Ross-on-Wye	18.9	-8	NNW	1	z0	38	85	34	5	-	-	-	0	0	-	0	*
Hartland Point	19.4	-6	NW	3	b	49	75	35	8	-	-	-	0	0	-	0	3
Bristol	18.5	-10	WNW	2	m	45	85	41	4	-	-	-	0	0	-	0	*
Portland Bill	18.0	-4	NW	2	bc	48	85	44	8	5	-	-	4-6	4-6	4000	1	3
Plymouth	19.6	-10	NW	2	b	46	85	42	8	-	-	-	0	0	-	0	3
The Lizard	21.9	+16	NNW	4	bc	48	75	41	8	4	-	-	4-6	4-6	3500	0	3
Scilly (St. Mary's)	21.8	+2	NW'N	4	b	48	85	44	8	-	-	-	0	0	-	0	2
Guernsey																	
Pembroke	19.6	-10	N'W	4	bc	48	97	47	8	1	-	-	2-3	2-3	3000	0	2
Holyhead (Valley)	19.7	+2	NNE	1	b	46	75	39	8	-	-	6	0	1	-	0	
Chester (Sealand)	19.7	+8	-	0	bc	43	75	37	6	-	-	1	0	2-3	-	0	*
Manchester	19.3	+2	NW	2	m	41	85	36	4	-	-	-	0	0	-	0	*
Spurn Head	18.7	+12	N'E	5	c	42	85	38	7	5	2	-	7-8	10	1500	0	
Catterick	20.6	+6	N	4	c	44	75	38	7	5	-	-	9+	9+	2200	0	*
Tynemouth	20.6	+6	N	6	c	43	92	41	7	8	-	-	9+	9+	1600	0	3
St. Abbs Head	21.2	+6	NNW	4	b	43	85	39	7	2	4	-	Tr	Tr	2500	0	3
Leuchars	21.8	+2	-	0	b	41	85	36	7	-	-	2	0	1	-	0	*
Renfrew (Abbots I.)	22.4	+2	-	0	bf-	31	92	31	2	-	-	-	0	0	-	0	*
Eskdalemuir	21.6	+12	NNE	2	c	43	75	36	8	5	-	7	1	7-8	2800	0	*
Point of Ayre	21.1	+2	ENE	4	bc	46	75	39	8	-	5	6	0	4-6	-	0	3
Tiree	22.1	0	-	0	b	46	85	40	8	-	-	5	0	Tr	-	0	2
Stornoway	239	-6	NNE	3	b	47	45	32	8	1	-	-	Tr	Tr	3500	1	1
Dalwhinnie		-6	E	1	b	35	75	26	8	1	-	5	Tr	1	4000	1	*
Aberdeen †	22.3	+2	NW'N	4	b	44	85	41	8	5	-	-	Tr	Tr	2100	1	3
Wick	23.8	-4	NW	1	b	39	97	38	9	-	4	-	0	Tr	-	0	*
Sumburgh	22.3	-6	NNW	4	c	47	65	34	9	5	3	5	Tr	7-8	3000	0	2
Blacksod Point	23.3	0	-	0	b	49	85	45	7	-	-	-	0	0	-	0	2
Malin Head	22.1	+2	WNW	2	b	47	85	43	8	5	4	-	2-3	4-6	2500	0	2
Aldergrove	22.7	+4	N	1	f4	42	97	41	2	-	-	-	10	10	<150	0	*
Birr Castle	22.8	+2	SSE	1	bc	42	85	38	7	-	-	8	0	4-6	-	0	*
Valentia Obsy.	23.4	-2	NE'E	2	b	41	75	34	9	-	-	1	0	Tr	-	0	2
Roches Point	22.2	-2	N	3	b	47	75	40	8	-	-	-	0	0	-	0	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 1st Hrs. (38)
London (Kew)	55	39	25	Tr	-	9.8
Croydon	56	34	30	-	-	8.2
S. Farnborough	57	35	22	-	-	10.3
Boscombe Down	59	34	25	-	-	12.9
Thorney Island	58	35	29	0.3	-	*
Lympne	53	49	28	-	0.4	7.9
Manston	52	37	31	-	Tr	6.0
Shoeburyness	57	38	29	-	Tr	7.6
Felixstowe	55	41	40	-	Tr	5.3
Gorleston	48	41		-	~	
Mildenhall	57	36	27	-	-	9.0
Cranwell	55	35	25	-	-	7.0
Birmingham	57	37	25	-	-	8.7
Upper Heyford	54	38	32	-	-	*
Ross-on-Wye	59	32	20	-	-	11.5
Hartland Point	54	45	38	-	-	11.9
Bristol	60	35	23	-	-	11.9
Portland Bill	55	42	*	-	-	*
Plymouth	60	38	29	-	-	12.6
The Lizard	56	44	*	-	-	12.9
Scilly (St. Mary's)	56	44	*	-	Tr	13.2
Guernsey						
Pembroke	59	40	*	-	-	13.4
Holyhead (Valley)	59	37	26	-	-	*
Chester (Sealand)	55	37	33	-	-	11.3
Manchester	62	34	24	-	-	*
Spurn Head	47	40	*	-	-	
Catterick	53	35	27	-	-	8.7
Tynemouth	47	42		-	-	*
St. Abbs Head	47	42	*	-	-	
Leuchars	52	34	29	-	-	12.6
Renfrew (Abbots I.)	66	27	23	-	-	9.3
Eskdalemuir	60	34	26	-	-	13.2
Point of Ayre	56	39	*	-	-	12.3
Tiree	53	39	*	-	-	13.7
Stornoway	50	39	*	-	-	12.3
Dalwhinnie	59	21	11	-	-	13.1
Aberdeen †	56	38	36	-	-	11.2
Wick	53	32	31	-	-	*
Sumburgh	54	39	34	-	-	14.4
Blacksod Point	64	38	*	-	-	*
Malin Head	54	42		-		
Aldergrove	64	38	29	-	-	14.0
Birr Castle	67	32	26	-	-	12.5
Valentia Obsy.	63	34	29	-	1	
Roches Point	56	43	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 1st May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 2nd May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 00	00890	30400	00	00890	31400	00	00890	32300	53	00981	28202
115 54	02944	08326	54	02844	08326	54	02844	08325			
203 10	00841	32411				00	05890	08110			
206 00	00890	12200				00	00890	04100	00	00890	26200
210 10	00851	31201	50	00951	02201	00	00790	32200	50	00841	22201
220 00	05490	06400	00	00890	04400				00	00890	00000
230 00	00890	23100	00	00890	23200	00	00890	00000	00	00890	00000
245 00	00890	08500	00	00990	04200	00	00990	01300	00	00990	32401
260 00	00990	04300	00	00890	04300	00	05690	20100	00	05690	xxxxx
270 00	00890	30300	00	05690	28300	00	05690	28300	00	05890	27214
279 00	00890	06300	00	00890	04300	04	00790	06203	50	01752	03224
285 00	00890	02400									
288 50	02753	32225	00	17690	04313	5-	05548	32428	5-	05648	03328
575 40	00841	24101	00	00790	02100	00	00890	30100	00	00890	00000
301 00	00790	28301	10	00790	28301	00	05690	04302	00	05690	02317
321 10	01854	01324	00	00890	04211	00	05690	29300	53	01744	32325
299 5-	03748	32528	50	01764	31414	5-	02747	30527			
292 10	00851	32211	00	05690	29300	5-	05648	32328	50	05643	32414
310 --	05643	04413							--	08490	29200
614 10	05664	04214.	00	00790	06110	00	41490	30240	5-	05645	04225

IIIC_L C_M (13h. G.M.T. 1st May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 2nd May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 10	00961	32302	04	00990	30301	00	00790	30300	00	01990	30315
334 --	01782	10202							--	05672	00003
340 04	00790	32313	10	00763	30113	00	05690	26100	00	08490	04200
136 5-	02744	02455	58	02735	32316	5-	02737	32327	5-	02738	01428
336 54	01754	04313	54	01754	04315				50	01751	12311
350 8-	02756	32526	24	01852	02313	03	05690	24114	53	05638	30328
368 24	01752	16214	54	01864	24214	00	05590	28100	00	08490	30201
379 20	01864	02314	10	00861	04311	00	00790	26100	5-	05518	02318
390 26	02764	02315				5-	08467	24127	5-	51548	32358
382 10	01865	32215	13	00962	03302	03	01790	00025	5-	00637	01317
438 70	02865	02425							80	02755	22485
430 2-	02865	04215	86	01764	14124	50	01763	32103	20	01773	20214
400 10	00862	32303	00	00890	32211	00	00790	30300	00	00790	30200

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 May. Day 7h—18h Kew and Croydon, 9h—18h Kensington, 9h—23h other stations except for rainfall which is 9h—18h.

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bcz0cy	cpr0bc	bcbz0wcm0
Croydon	bm0ybc	c	cybcwm0
Greenwich	bbcy	bccp0b	bbcerc
Camden Square	b	bc	*
Kensington	bc	bc	*
Hampstead	bcp	bc	o

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.2 Time 17-22h on 1st. Min. <0.1 Time 10-16h on 1st.

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	55	39	25	Tr	-	9.8	*	*
Croydon	56	34	30	-	-	8.2	*	*
Greenwich	56	38	21	Tr	0.3	8.1	43	79
Westminster	59	41	35		-		53	83
Regents Park	59	39	33	-	-		35	75
Camden Square	58	40	31	-	-	*	*	72
Kensington	58	40	32	-	-		61	79
Hampstead	55	36	32	Tr	-		*	83

BRITISH SECTION

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

SECRET

Sunday 3rd May 1942

No. 29382

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

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)	17.9	+4	N'E	3	c	53	45	33	7	8	–	–	9	9	1500
	Croydon ...	17.9	+4	ENE	3	c	50	55	35	7	2	–	–	7·8	7·8	2000
	S. Farnborough	18·2	+2	NNE	4	bc	54	45	34	8	1	–	–	4·6	4·6	3000
	Boscombe Down	18·6	+2	NE'E	4	bc	55	45	35	8	1	–	–	2·3	2·3	2500
	Thorney Island	17.4	+4	NNE	3	c	56	75	47	7	2	–	8	4·6	7·8	2500
	Lympne ...	18·0	+10	NNE	3	ido	44	85	39	8	5	–	–	10	10	2500
	Manston ...	17·5	+8	NNE	3	c	45	75	39	7	5	2	–	9+	10	1800
2	Shoeburyness ...	18·4	+12	NE	3	c	48	65	38	8	5	–	–	9+	9+	2200
	Felixstowe ...	18·0	-10	ENE	4	bc	51	65	39	8	7	–	–	4·6	4·6	2500
	Gorleston ...	19·4	+10	NNE	4	c	45	75	38	7	1	–	–	4·6	4·6	2000
	Mildenhall ...	18·5	+6	N'E	3	bc	55	45	35	8	1	–	–	4·6	4·6	2500
	Cranwell ...	19·3	-2	N	4	b	57	45	37	8	5	–	–	Tr	Tr	2500
3	Birmingham ...	19·3	+2	NE	3	zo	56	45	36	6	1	–	–	Tr	Tr	4000
	Upper Heyford	18·9	+2	NE'N	4	bc	54	45	34	7	1	–	–	4·6	4·6	3100
4	Ross-on-Wye	18·7	0	NE	3	zo	58	45	38	6	1	–	–	Tr	Tr	4000
5	Hartland Point	19·4	0	N	3	b	52	75	45	7	–	–	5	0	Tr	–
	Bristol ...	19·3	0	NE	4	zo	58	45	38	6	1	–	6	Tr	Tr	2500
	Portland Bill ...	18·4	+8	NE	3	bc	58	85	54	8	5	–	–	4·6	4·6	4000
	Plymouth ...	18·7	-2	NNW	4	b	61	45	40	8	1	4	–	Tr	1	4000
	The Lizard ...	20·2	0	NW	4	bc	57	65	46	8	4	–	–	2·3	2·3	3500
	Scilly (St. Mary's)	21·8	+2	NW'N	5	b	57	65	46	8	–	–	–	0	0	–
	Guernsey ...															
6	Pembroke ...	20·5	+4	N'W	5	bc	55	75	46	7	–	4	1	0	4-6	–
7	Holyhead (Valley)	20·2	+2	N	3	b	55	55	40	8	–	–	8	0	Tr	–
	Chester (Sealand)	20·2	+2	WNW	4	zo	61	65	40	6	–	–	–	0	0	–
8	Manchester ...	19·3	-2	NE	4	b	63	35	35	6	–	–	–	0	0	–
10	Spurn Head ...	20·2	+6	NNE	4	b	48	75	40	7	1	4	–	1	1	2500
	Catterick ...	21·3	+2	NE	3	b	57	45	37	7	–	–	9	0	1	–
	Tynemouth ...	22·0	+4	N	4	bc	47	85	43	8	2	3	–	2·3	2·3	1600
11	St. Abbs Head	21·6	+4	NNW	2	b	47	75	40	8	4	–	–	Tr	Tr	3500
	Leuchars ...	22·1	0	SE	3	b	56	45	36	8	–	–	–	0	0	–
12	Renfrew (Abbots I.)	21·3	-10	SE	2	zo	66	25	30	6	–	–	–	0	0	–
	Eskdalemuir ...	20·7	0	NE	4	b	60	35	32	8	–	4	1	0	Tr	–
	Point of Ayre ...	21·5	0	N'E	2	b	55	65	44	8	–	–	5	0	Tr	–
13A	Tiree ...	22·6	0	N'E	1	b	52	75	43	8	–	–	–	0	0	–
13B	Stornoway ...	23·8	-6	NNE	4	b	51	65	40	9	–	–	–	0	0	–
15	Dalwhinnie ...	23·0	-4	NE	1	b	64	25	28	8	–	–	9	0	Tr	–
	Aberdeen ...	22·1	-4	NNE	3	b	58	35	30	9	–	4	9	0	Tr	–
	Wick ...	22·9	0	NE'N	2	c	55	45	35	9	–	3	9	0	7·8	–
16	Sumburgh ...	21·3	-6	NNW	4	c	49	65	38	8	7	–	–	7·8	7·8	3000
17	Blacksod Point	12·4	0	NW	1	b	59	55	44	8	–	–	–	0	0	–
18	Malin Head ...	22·5	0	W	3	b	52	75	44	8	–	–	–	0	0	–
	Aldergrove ...	21·7	-8	NE'E	1	b	65	25	29	8	–	–	–	0	0	–
19	Birr Castle ...	21·8	-6	SSE	1	bc	66	35	38	7	–	–	8	0	2-3	–
20	Valentia Obsy.	23·2	+2	WNW	3	b	57	55	42	9	–	–	4	0	2-3	–
	Roches Point	21·9	0	SW	2	b	59	65	48	8	1	–	–	1	1	4000

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

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)	18·8	+6	N'E	3	b	57	45	37	7	1	–	–	1	1	2500	0	*
	Croydon ...	18·6	+2	NE	2	b	53	45	33	6	1	–	–	Tr	Tr	2500	0	*
	S. Farnborough	19·0	+8	ENE	3	b	56	45	36	8	4	–	–	1	1	4000	0	*
	Boscombe Down	19·5	+10	NE	3	b	57	35	31	8	1	–	–	Tr	Tr	2500	0	*
	Thorney Island	19·1	+10	S'E	3	c	53	65	42	7	1	–	–	7·8	7·8	5700	0	*
	Lympne ...	19·4	+10	NNE	2	b	47	65	36	8	–	–	–	0	0	–	0	3
	Manston ...	18·8	+2	NNE	1	b	47	75	39	7	–	–	–	0	0	–	0	*
2	Shoeburyness ...	19·2	+2	E'S	1	b	48	75	39	8	–	–	–	0	0	–	0	*
	Felixstowe ...	18·6	+2	E	2	b	47	85	43	8	–	–	–	0	0	–	0	2
	Gorleston ...	19·0	-4	N'E	4	bc	50	65	39	7	5	3	–	1	2·3	2000	0	3
	Mildenhall ...	19·0	+2	N'W	3	b	55	45	35	9	4	–	1	Tr	1	4000	0	*
	Cranwell ...	19·1	-2	NE	3	b	54	65	43	8	–	–	1	0	Tr	–	0	*
3	Birmingham ...	19·1	0	NNE	3	zo	60	35	32	6	–	–	1	0	Tr	–	0	*
	Upper Heyford	19·4	+6	NNE	3	bc	57	45	37	8	–	4	6	0	2-3	–	0	*
4	Ross-on-Wye	19·3	+4	E	2	bc	59	45	39	7	–	–	6	0	2-3	–	0	*
5	Hartland Point	20·5	+6	NW	3	b	50	75	43	8	–	–	3	0	Tr	–	0	3
	Bristol ...	20·1	+6	NNE	2	bc	59	45	39	8	–	–	6	0	4-6	–	0	*
	Portland Bill ...	20·1	+12	SSW	2	bc	50	92	48	8	2	–	–	4-6	4-6	4000	1	3
	Plymouth ...	19·6	+10	NW	5	bc	58	65	47	8	1	–	–	4-6	4-6	3500	0	2
	The Lizard ...	20·7	0	NNW	5	bc	55	65	44	8	4	–	–	2·3	2·3	3500	0	3
	Scilly (St. Mary's)	22·7	+4	NW'N	4	b	54	75	46	8	–	–	–	0	0	–	0	2
	Guernsey ...																	
6	Pembroke ...	20·9	0	N'W	4	b	52	75	46	8	–	4	–	0	1	–	0	2
7	Holyhead (Valley)	20·8	+2	N'W	3	b	53	65	42	8	–	–	–	0	0	–	0	2
	Chester (Sealand)	20·5	+6	NW	4	b	54	55	39	7	5	–	–	Tr	Tr	5700	0	*
8	Manchester ...	19·5	+4	NE	3	bc	59	45	39	6	1	–	–	2·3	2·3	4000	0	*
10	Spurn Head ...	20·4	0	N	3	c	46	65	35	7	1	–	–	7·8	7·8	4000	0	4
	Catterick ...	21·2	0	NE	2	b	53	55	33	7	–	3	9	0	Tr	–	0	*
	Tynemouth ...	22·1	0	NNW	3	bc	46	85	43	8	–	4	1	0	2·3	–	0	3
11	St. Abbs Head	21·6	+2	NNE	1	bjf	47	65	32	9	4	4	–	Tr	Tr	3500	0	2
	Leuchars ...	21·7	-4	E	3	bc	51	45	31	8	–	3	1	0	2-3	–	0	*
12	Renfrew (Abbots I.)	20·3	0	WNW	4	b	64	25	28	8	–	4	–	0	1	–	0	*
	Eskdalemuir ...	20·1	-4	E'N	2	b	58	35	32	8	–	4	–	0	Tr	–	0	*
	Point of Ayre ...	21·2	-2	WNW	3	b	54	65	43	8	–	–	1	0	0	–	0	2
13A	Tiree ...	22·5	0	NNW	1	b	51	85	37	8	–	–	–	0	0	–	0	2
13B	Stornoway ...	23·0	0	NNE	4	b	50	65	39	9	–	–	–	0	0	–	0	2
15	Dalwhinnie ...	22·2	-4	W	3	bc	62	25	26	8	–	4	2	0	4-6	–	0	*
	Aberdeen ...	21·2	-2	NNE	3	bc	54	45	34	8	5	3	–	Tr	4-6	1500	0	2
	Wick ...	22·3	-2	NNW	3	bc	51	55	36	8	–	3	–	0	2-3	–	0	*
16	Sumburgh ...	20·7	-2	NNW	4	c	47	65	36	8	5	–	–	9+	9+	1800	0	2
17	Blacksod Point	23·3	0	N'W	2	b	55	65	44	8	–	–	–	0	0	–	0	2
18	Malin Head ...	22·5	+2	WNW	2	b	52	75	44	8	–	–	–	0	0	–	0	1
	Aldergrove ...	21·3	-2	NW'N	2	b	64	35	36	8	–	–	–	0	0	–	0	*
19	Birr Castle ...	21·5	0	N	1	bc	66	35	38	7	–	–	8	0	2-3	–	0	*
20	Valentia Obsy.	23·4	+2	SW	2	bc	56	45	36	9	–	–	6	0	4-6	–	0	2
	Roches Point	21·5	-2	W	3	b	61	55	45	8	–	–	–	0	0	–	0	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.—7h. 3rd (42)
London (Kew)	cmozocy	c, by	bzobzow	bxmocz
Croydon	cmobcy	bcyby	bmobzo	cmoxbczo
S. Farnborough	bzocby	bcyb	bywmox	bmoxcmo
Boscombe Down	bzobc	by	bybmo	bbcmo
Thorney Island	bmoc	bcc	cbbm	bmwbcx
Lympne	cmoc	cbcb	bbw	bmowcm
Manston	cmoiioc	cbcb	bcmow	bccmoc
Shoeburyness	oidomoc	cb	bbcbcm	b
Felixstowe	cbc	bcb	bbccw	c
Gorleston		bc	bcybcc	cmobc
Mildenhall	cbcy	bcyby	bbccm	cmobcm
Cranwell	bcb	bbcy	bwow	czoy
Birmingham	bbcbz	bzy	bx	bz
Upper Heyford	bz	bcby	bzobmo	cmobcc
Ross-on-Wye		byzby	bybz	bmow
Hartland Point	b	bbc	b	b
Bristol	bzo	bzobbc	bmobmo	bmom
Portland Bill	bcbc	bcbc	bbc	bcbc
Plymouth	bzoy	bcy	bcb	bw
The Lizard	bc	bc	bc	bc
Scilly (St. Mary's)	b	b	b	bw
Pembroke	bc	bc	bw	bw
Holyhead (Valley)	bwcb	by	bwx	bffxb
Chester (Sealand)	bzo	bzoy	byzomo	bmmox
Manchester	bzoy	bczoy	bzoy	bmo
Spurn Head	c	c	c	c
Catterick	cby	by	bybmocmo	bmob
Tynemouth	bc	bc	bc	bc
St. Abbs Head	b	b	bcb	bccmo
Leuchars	bcycy	by	bybcbw	bbxb
Renfrew (Abbots I.)	bfzoy	bzoby	bzomo	bmo
Eskdalemuir	bcby	by	byb	bxby
Point of Ayre	bcb	b	b	bw
Tiree	b	b	b	b
Stornoway	b	by	b,c	c
Dalwhinnie	bcy	bcy		bc
Aberdeen	bmby	by	byb	bcc
Wick	bbc	bcy	c	ceir
Sumburgh	bbc	cbcc	cir	circ
Blacksod Point	b	b	b	b
Malin Head	bc	b	b	bc
Aldergrove	ofbmzby	by	b	bfgwb
Birr Castle	bc	bc	*	bc
Valentia Obsy.	b	b	bc	bc
Roches Point	b	b	b	b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Fair, becoming cloudy tonight, with chance of slight local rain or drizzle. Light or moderate northwesterly wind veering north later. Average temperature.
4 W. Midlands 5 S.W. England 6 South Wales	Mainly fine, light northwesterly wind, becoming variable. Rather warm by day but cool at night.
7 North Wales 8 N.W. England	Fine, cloud increasing tonight. Light variable wind. Rather warm by day but cool at night.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-3
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Fine at first, cloudy later today, slight occasional rain or showers near northern coast and over high ground. Moderate northwesterly winds veering North. Rather cool.
14 Mid Scotland 15 N.E. Scotland	Cloudy occasional rain or showers, some fair periods later. Winds veering North to Northeast, moderate. Rather cool.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable winds. Fine. Average temperature or rather warm.

GENERAL INFERENCE

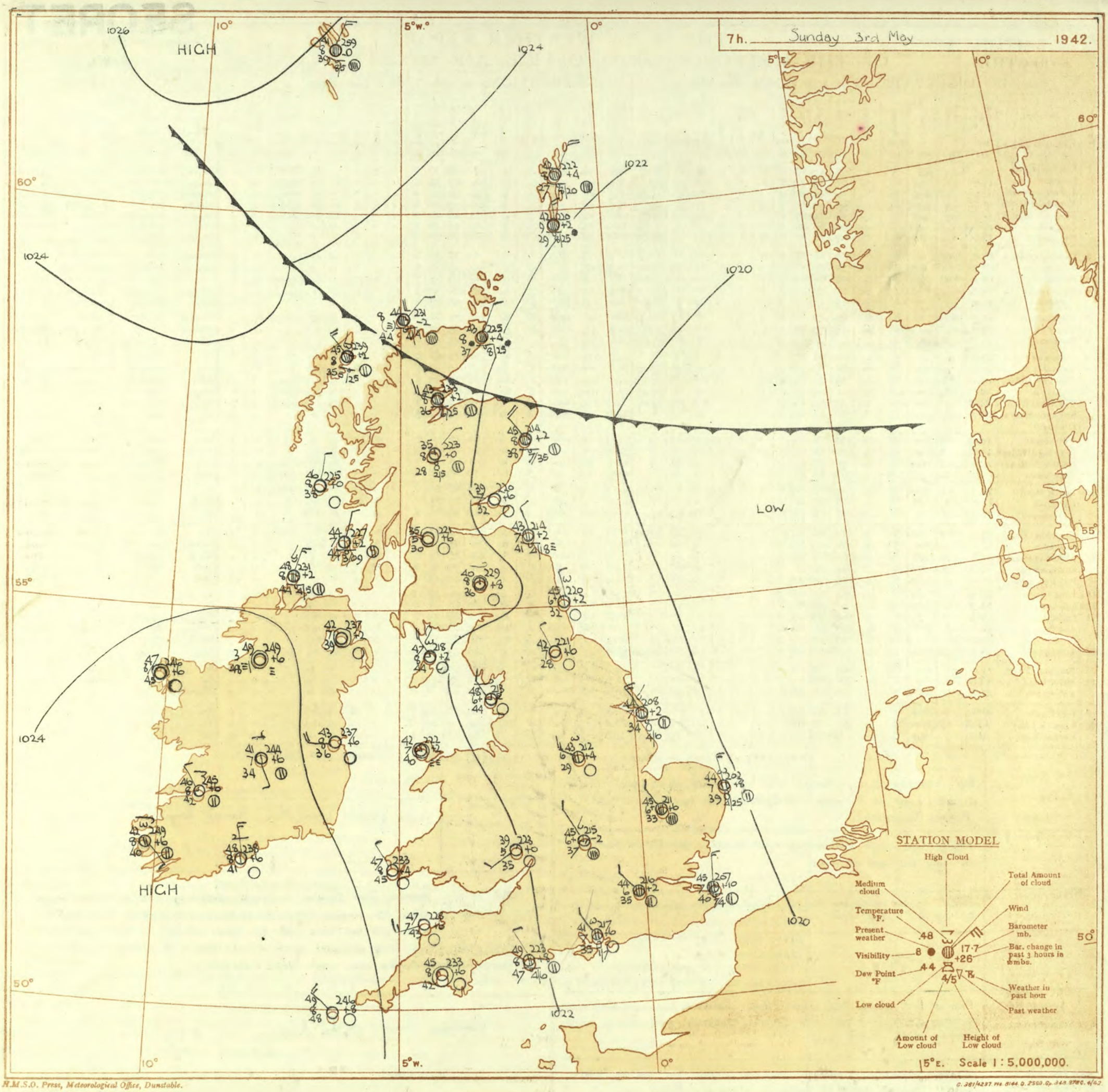
A ridge of high pressure over Ireland is almost stationary, and a feeble trough over northeast Scotland is moving slowly south southwest. Weather will be mainly fair or fine at first but there will be much cloud in North and East Scotland with slight local rain and much cloud later in Northeast England and parts of East Anglia, also with slight local rain.

FURTHER OUTLOOK

Fair over most of the country.

Forecasts issued at 10·30 GMT

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).

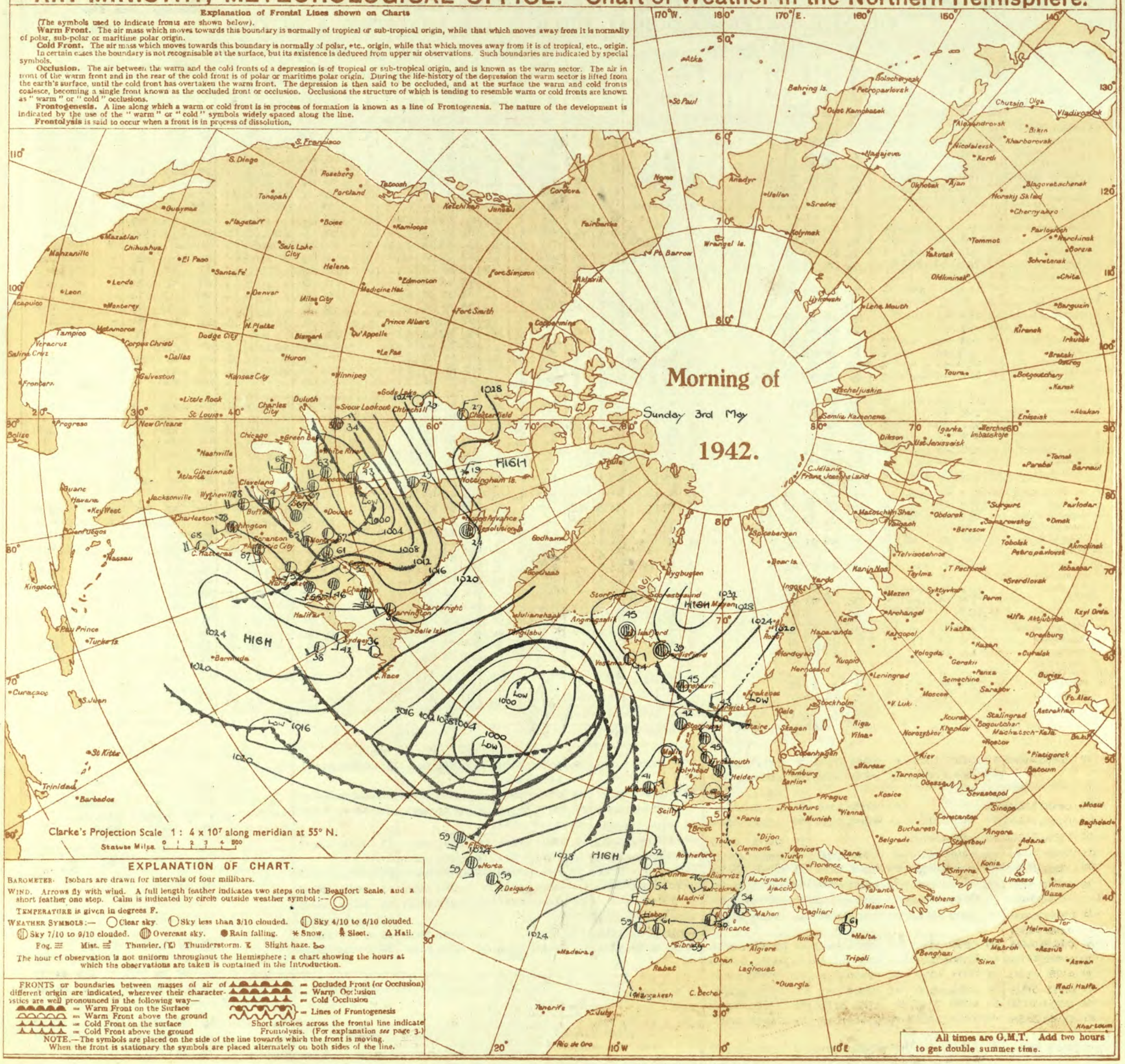
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Sunday 3rd May 1942

No. 29382

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

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	21·0	+8	–	0	m	35	92	32	4	–	4	–	0	1	–
	S. Farnborough	226	21·5	+10	–	0	zo	36	85	32	6	–	–	–	0	0	–
	Boscombe Down	417	21·6	+6	NW	1	b	42	75	33	7	–	–	–	0	0	–
	Thorney Island	10	21·0	+4	NW	2	zo	36	92	35	6	–	–	–	0	0	–
	Lympne ..	283	20·6	–2	NW	2	zo	36	97	35	6	–	–	–	0	0	–
	Manston ...	154	19·9	+2	NNW	3	zo	41	85	37	5	5	–	–	9+	9+	1100
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·6	–2	NW	3	c	40	92	38	7	–	3	–	0	9	–
	Gorleston ...	5	19·3	–4	N	3	zo	42	85	37	6	5	–	–	9	9	1500
	Mildenhall ...	15	20·6	+2	WNW	2	zo	38	92	36	6	5	3	–	2-3	7-8	1100
	Cranwell ...	203	20·9	+2	WNW	3	zo	39	75	33	6	–	3	8	0	2-3	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·3	0	NW	2	zo	38	92	35	6	–	3	–	0	1	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·1	+2	W	3	b	47	92	44	7	–	–	–	0	0	–
	Bristol ...	209	21·2	+2	–	0	zo	44	75	37	6	–	–	–	0	0	–
	Portland Bill ...	32	21·4	+2	N	3	bc	47	92	45	8	5	–	–	2-3	2-3	4000
	Plymouth ...	82	22·8	+4	–	0	b	45	92	43	7	–	3	–	0	Tr	–
	The Lizard ...	240	22·9	+6	N	4	bc	46	85	42	8	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	24·0	+4	NWN	2	b	45	97	44	8	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	22·7	+2	N'W	3	b	45	92	44	8	–	–	–	0	0	–
7	Holyhead (Valley)	32	21·8	+4	–	0	b	34	92	31	8	–	–	–	0	0	–
	Chester (Sealand)	16	21·6	0	–	0	m	36	92	34	4	–	–	–	0	0	–
8	Manchester ...	235	21·5	+2	–	0	zo	37	65	28	6	–	–	–	0	0	–
10	Spurn Head ...	29	20·5	–4	NW	4	c	42	75	36	7	7	3	–	7-8	9+	4000
	Catterick ...	175	21·6	–4	NW	1	zo	40	75	32	6	–	3	–	0	9+	–
	Tynemouth ...	108	21·8	–2	NNW	2	bc	45	55	29	6	5	3	–	4-6	4-6	2500
11	St. Abbs Head	280	21·9	–2	NNW	1	b	43	55	32	7	5	–	–	Tr	Tr	2500
	Leuchars ...	36	21·4	–4	–	0	b	37	75	29	7	–	–	–	0	0	–
12	Renfrew (Abbots I.)	19	21·4	+4	W	1	zo	36	85	31	5	–	–	–	0	0	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	21·3	0	W	3	b	42	92	40	7*	–	–	–	0	0	–
13A	Tiree ...	22															
13B	Stornoway ...	80	23·8	0	NNW	1	c	42	92	42	7	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	21·6	–4	NWN	3	c	42	85	39	9	5	–	–	9+	9+	3000
	Wick ...	114	22·4	–4	NNW	2	bc	44	85	38	8	5	–	–	4-6	4-6	2600
16	Sumburgh ..	19	20·9	0	N'E	4	iro	43	75	35	8	5	–	–	10	10	1800
17	Blacksod Point	18	24·1	0	–	0	b	41	92	39	8	–	–	–	0	0	–
18	Malin Head ...	84	22·8	–2	S'W	1	b	42	97	41	8	–	–	–	0	0	–
	Aldergrove ...	268	23·3	+6	–	0	b	42	92	40	7	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·4	+2	NE'E	2	c	41	97	40	7	–	–	4	0	7-8	–
	Roches Point	22	23·1	+2	NW'W	4	b	48	75	41	8	–	–	–	0	0	–

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	21·8	+4	N'N	1	zo	43	75	34	6	–	3	3	0	7-8	–	0	*
Croydon	21·6	+2	NW	1	zo	44	65	35	6	5	4	–	1	7-8	5000	0	*
S. Farnborough	22·0	+4	–	0	bc	37	85	33	7	–	3	–	0	4-6	–	1	*
Boscombe Down	22·7	+10	N	1	zo	39	85	34	6	–	3	–	0	2-3	–	0	*
Thorney Island	21·7	+6	NW	1	bc	41	75	35	7	1	3	–	Tr	4-6	5700	0	*
Lympne	21·8	+6	NW	2	zo	40	92	39	6	5	3	–	9	9	800	0	§1
Manston	21·0	+10	N	3	c	43	75	37	7	5	–	–	9+	9+	1200	0	*
Shoeburyness	20·9	+4	N'W	2	bc	46	75	39	6	–	3	–	0	4-6	–	0	*
Felixstowe	19·3	+6	NWN	3	c	45	85	40	7	5	3	–	7-8	9+	2200	0	2
Gorleston	20·2	+8	N'W	3	bc	44	85	39	7	2	3	–	4-6	4-6	2500	0	2
Mildenhall	21·1	+6	NW'N	2	zo	42	75	33	6	–	3	–	0	7-8	–	0	*
Cranwell	21·2	+4	WNW	3	zo	43	55	29	6	–	3	–	0	4-6	–	0	*
Birmingham	21·1	–2	W	2	zo	48	55	33	5	–	–	–	0	0	–	0	*
Upper Heyford	21·5	–2	NW'N	2	b	45	75	37	6	–	4	–	0	Tr	–	0	*
Ross-on-Wye	22·3	0	SW'W	1	zo	39	85	35	5	–	–	–	0	0	–	0	*
Hartland Point	22·8	+6	WSW	3	b	47	85	43	7	–	–	–	0	0	–	0	3
Bristol	22·9	+6	–	0	m	44	97	43	4	–	–	–	0	0	–	0	*
Portland Bill	22·3	+8	NW	2	bc	49	92	47	8	5	–	–	4-6	4-6	4000	1	3
Plymouth	23·3	+6	–	0	b	45	92	42	8	–	–	–	0	0	–	0	2
The Lizard	24·3	+10	NNW	2	bc	49	85	44	8	4	–	–	2-3	2-3	2300	0	3
Scilly (St. Mary's)	24·6	+8	NWW	3	b	49	97	48	8	–	–	–	0	0	–	0	3
Guernsey																	
Pembroke	23·3	+4	NW	2	b	47	92	45	8	–	–	–	0	0	–	0	2
Holyhead (Valley)	22·2	+2	–	0	b/f	42	97	40	7	–	4	–	0	Tr	–	0	1
Chester (Sealand)	21·6	+4	–	0	zo	43	75	36	6	–	–	–	0	0	–	0	*
Manchester	21·6	0	–	0	zo	41	85	38	5	–	–	–	0	0	–	0	*
Spurn Head	20·8	+2	NW	3	c	44	65	34	7	7	4	–	4-6	7-8	4000	0	3
Catterick	22·1	+6	NW	1	b	42	55	28	7	–	–	–	0	0	–	0	*
Tynemouth	22·0	+2	NNW	2	bc	45	65	32	6	–	3	–	0	2-3	–	0	3
St. Abbs Head	21·4	+2	NNW	1	bc	43	85	41	7	5	–	–	4-6	4-6	1800	0	1
Leuchars	22·0	+6	W	1	b	39	75	32	7	–	–	–	0	0	–	0	*
Renfrew (Abbots I.)	22·1	+6	–	0	zo	35	85	30	5	–	–	–	0	0	–	0	*
Eskdalemuir	21·8	+2	–	0	b	41	55	28	8	–	–	1	0	Tr	–	0	*
Point of Ayre	21·8	+2	NW'N	4	b	47	92	44	8	–	–	9	0	1	–	0	3
Tiree	22·5	0	N'E	1	b	46	85	38	8	–	–	–	0	0	–	0	2
Stornoway	23·9	+2	NW	3	c	45	65	35	8	5	7	–	7-8	9+	2500	0	2
Dalwhinnie	22·3	0	NE	1	b	35	75	26	8	7	–	–	1	1	2500	1	*
Aberdeen †	21·4	+2	NWN	4	c	45	75	38	8	5	–	–	9+	9+	3500	0	2
Wick	22·5	+4	NNE	2	iro	43	75	34	8	5	–	–	10	10	2500	1	*
Sumburgh	22·0	+2	N'W	3	o	42	55	29	9	5	–	–	10	10	2500	0	2
Blacksod Point	24·6	+6	–	0	b	47	92	45	8	–	–	–	0	0	–	0	0
Malin Head	23·1	+2	NNE	3	c	48	85	44	8	5	9	–	4-6	9	2500	0	1
Aldergrove	23·7	+2	–	0	b	42	85	39	7	–	–	–	0	0	–	0	*
Birr Castle	24·4	+6	SSE	1	bc	41	75	34	7	–	–	8	0	2-3	–	0	*
Valentia Obsy.	24·9	+6	SE'S	1	bc	42	92	40	8	–	3	2	0	4-6	–	0	1
Roches Point	23·8	+6	N'W	3	bc	48	75	41	8	–	–	5	0	2-3	–	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
London (Kew)	57	39	21	–	Tr	8·2
Croydon	56	31	25	–	Tr	6·2
S. Farnborough	58	30	18	–	–	9·2
Boscombe Down	58	37	29	–	–	12·5
Thorney Island	57	34	29	–	–	*
Lympne	47	32	26	Tr	–	3·2
Manston	48	37	31	Tr	–	3·3
Shoeburyness	50	34	27	Tr	–	5·7
Felixstowe	51	37	30	–	–	6·9
Gorleston	51	41	36	–	–	9·5
Mildenhall	57	34	23	–	–	9·5
Cranwell	59	38	28	–	–	10·5
Birmingham	61	40	24	–	–	11·3
Upper Heyford	58	35	28	–	–	*
Ross-on-Wye	61	33	22	–	–	12·4
Hartland Point	53	46	42	–	–	13·1
Bristol	61	36	24	–	–	12·4
Portland Bill	58	44	*	–	–	*
Plymouth	64	41	33	–	–	12·6
The Lizard	58	42	*	–	–	12·1
Scilly (St. Mary's)	57	45	*	–	0·1	13·3
Guernsey						
Pembroke	56	35	*	–	–	13·4
Holyhead (Valley)	58	32	22	–	–	*
Chester (Sealand)	54	33	30	–	–	12·9
Manchester	64	34	25	–	–	*
Spurn Head	49	41	*	–	–	8·5
Catterick	57	33	23	–	–	10·3
Tynemouth	48	41	38	–	–	*
St. Abbs Head	51	41	*	–	–	*
Leuchars	56	33	27	–	–	14·3
Renfrew (Abbots I.)	68	30	21	–	–	10·0
Eskdalemuir	63	30	20	–	–	13·2
Point of Ayre	58	40	*	–	–	12·7
Tiree	55	44	*	–	–	13·9
Stornoway	52	42	*	–	–	14·2
Dalwhinnie	66	21	11	–	–	13·0
Aberdeen †	58	40	35	–	–	12·6
Wick	57	41	41	–	0·2	*
Sumburgh	52	39	35	–	Tr	4·2
Blacksod Point	60	42	*	–	–	*
Malin Head	55	42		–	–	11·8
Aldergrove	67	31	26	–	–	11·6
Birr Castle	67	31	26	–	–	12·5
Valentia Obsy.	59	39	35	–	Tr	
Roches Point	63	46	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$ C$_M$ (13h. G.M.T. 2nd May)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (01h. G.M.T. 3rd May)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109 07	01890	28315	87	02855	27315	6-	03868	27328	5-	02867	32487
115			54	09961	08213	52	09741	04327	52	09844	04227
203									5-	02842	04328
206 03	01590	08313				03	00890	30201	5-	01856	26316
210 04	00990	06203	04	01890	07314	8-	02856	32216	57	02867	25328
220 00	05790	30300	00	00890	30300				50	01853	02203
230 00	00890	18100	04	00890	18201	00	00890	20101	00	00890	00001
245 00	00990	07401	03	01990	08215	04	01990	23114	50	01854	30314
260 00	00890	04310	00	00790	04300	00	05690	04201	04	00790	20101
278 00	00790	30301	00	00890	28300	00	00790	26300	5-	02726	28316
279 10	00961	06211	00	00890	05201	00	00890	00000	04	00890	02201
285 1-	00861	02501									
288 5-	05654	01414	00	05590	32213	53	08453	20143	00	09590	00000
575 00	00890	26100	10	00861	28201	00	05690	00000	00	43390	00400
301 10	00751	28302	10	00761	29301	00	05690	22100	00	05690	27201
321 10	01763	31313	04	00890	02411	03	05690	30116	03	08490	26121
299 50	01754	32314	50	01753	31423	5-	01756	32326	00	05690	28400
292 10	00761	32311	04	00-90	32302	03	05690	29227	04	05690	30211
310											
614 10	00741	06201	10	01764	02214	05	05590	28103	03	08490	00003

IIIC$_L$ C$_M$ (13h. G.M.T. 2nd May)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (01h. G.M.T. 3rd May)	wwVhN$_h$	DDFWN	C$_L$ C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
333 2-	01961	30512	40	00861	30401	00	00890	28100	5-	02657	00027
334			--	01552	08103						
340 10	05661	02301	00	05690	31200	00	04690	00000	00	04890	31100
136 5-	02745	32425	5-	02737	32417	59	05634	28326	5-	02747	31327
336 14	01761	04413	10	01763	04313						
350 20	01894	01854	16	00861	02303	03	05690	00003	03	05690	26244
368 00	05690	16200	24	01762	22214	00	05690	00000			
379 10	01854	32324	03	01990	02313	00	00790	32210	03	00790	28203
390 10	05655	04315	10	01765	02213	03	04690	32215	53	05573	25246
382			04	00890	05201	00	00790	00001	03	01690	00013
438 86	02765	04527							87	02763	00315
430 20	01864	32314				00	05690	32100	03	01790	22115
409 00	00790	31301	00	00890	28302	00	00790	21100	50	05634	23204

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

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

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	cm₀zocy	c,by	b,w,xm₀cz₀
Croydon ...	cm₀bcy	bcy by	bz₀,m₀xbcz
Greenwich ...	cy	bc by	bcbz₀
Camden Square	c	bc	*
Kensington ...	bc	bc	*
Hampstead ..	obc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·2, Time 21–23h 2nd. Min. <0·1, Time 12–18h 2nd.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	57	49	21	–	Tr	8·2	*	*
Croydon ...	56	31	25	–	Tr	6·2	*	*
Greenwich ...	57	38	19	–	–	6·0	44	35
Westminster ...	58	41	33	–		*	47	42
Regents Park ...								
Camden Square	60	39	28	–	–	*	60	39
Kensington ...	60	39	30	–	–	*	43	53
Hampstead ...	56	38	32	–	–	*	*	49

BRITISH SECTION

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

SECRET

Monday 4th May 1942

No. 29383

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

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)	21.1	-8	NNW	2	b	63	25	30	7	1	-	-	Tr	Tr	2500
	Croydon ...	21.4	-8	NNW	2	b	64	35	33	7	-	-	-	0	0	-
	S. Farnborough	21.1	-10	NNW	3	bc	67	28	33	8	1	-	-	2-3	2-3	3500
	Boscombe Down	21.7	-4	NW	4	b	67	25	31	8	2	-	-	1	1	3600
	Thorney Island	22.0	-2	S'W	4	b	57	55	43	8	1	4	-	Tr	Tr	5700
	Lympne ...	22.8	+6	SSE	3	b	50	75	41	7	-	3	-	0	Tr	-
	Manston ...	22.2	+2	NNW	1	b	56	55	37	7	1	3	-	Tr	1	3000
2	Shoeburyness ...	21.5	0	SE	3	b	54	65	44	8	-	3	-	0	Tr	-
	Felixstowe ...	21.6	+8	E'S	3	bc	52	65	41	7	1	-	-	2-3	2-3	4000
	Gorleston ...	21.6	+4	NE'N	4	bc	50	55	36	7	1	-	-	2-3	2-3	2500
	Mildenhall ...	21.8	+2	-	0	b	58	45	37	5	-	4	-	0	Tr	-
	Cranwell ...	21.1	-2	ENE	3	z	60	45	45	6	-	-	-	0	0	-
3	Birmingham ...	21.0	-2	WNW	3	b	68	35	37	8	-	4	-	0	0	-
	Upper Heyford	20.7	-6	NW	4	z	65	25	28	6	-	-	-	0	0	-
4	Ross-on-Wye	21.1	-4	WNW	3	b	67	25	31	9	1	-	9	Tr	Tr	4000
5	Hartland Point	24.3	+6	WSW	3	b	53	45	32	8	-	-	5	0	Tr	-
	Bristol ...	22.8	-4	WSW	3	b	66	45	41	8	1	-	-	Tr	Tr	4000
	Portland Bill ...	22.4	-4	W	2	bc	54	85	50	8	2	-	-	4-6	4-6	4000
	Plymouth ...	23.9	-2	WNW	3	b	65	35	39	8	-	4	-	0	Tr	-
	The Lizard ...	25.3	+6	WNW	4	bc	56	85	50	8	4	-	-	4-6	4-6	3500
	Scilly (St. Mary's)	26.2	+8	NW'W	4	bc	58	75	50	8	-	-	2	0	2-3	-
	Guernsey ...															
6	Pembroke ...	24.7	+8	NW'W	3	b	53	65	42	8	-	4	-	0	1	-
7	Holyhead (Valley)	23.6	+6	N	1	b	56	55	39	7	-	-	-	0	0	-
	Chester (Sealand)	23.0	+8	NW	5	b	55	55	39	7	-	-	-	0	Tr	-
8	Manchester ...	21.6	+2	NNW	4	c	60	35	34	8	-	4	-	0	10	-
10	Spurn Head ...	22.2	+6	N'E	5	b	52	55	36	7	1	-	-	Tr	Tr	4000
	Catterick ...	22.6	+4	NE	3	z	55	45	36	6	5	-	-	1	1	3500
	Tynemouth ...	23.6	+4	N	4	bc	49	75	42	8	1	4	1	1	2-3	3000
11	St. Abbs Head	23.4	+14	N	2	bc	46	85	42	8	2	4	-	2-3	2-3	2500
	Leuchars ...	23.5	+10	E	3	c	48	75	39	8	8	3	-	4-6	7-8	2500
12	Renfrew (Abbots I.)	21.8	-2	NE	1	z	63	35	36	5	-	-	-	0	0	-
	Eskdalemuir ...	21.4	-2	-	0	b	57	45	38	8	1	-	-	Tr	Tr	3200
	Point of Ayre...	22.9	+2	NW'N	4	b	55	65	43	8	-	-	5	0	Tr	-
13A	Tiree	24.3	+2	N	2	b	51	65	40	8	-	-	-	0	0	-
13B	Stornoway ...	24.8	+4	NNE	2	c	47	75	39	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	23.4	+6	NE	3	bc	52	45	31	8	7	-	-	2-3	2-3	2500
	Aberdeen ...	23.7	+10	NE'N	3	c	49	55	43	8	7	7	-	9	9+	3500
	Wick ...	24.5	+8	NE	3	c	45	65	35	9	5	3	-	4-6	9+	2500
16	Sumburgh ...	23.5	+10	NNE	3	c	45	45	27	9	5	-	-	10	10	2500
17	Blacksod Point	25.4	+2	-	0	b	61	92		8	-	-	-	0	0	-
18	Malin Head ...	24.5	+6	NW'N	2	b	51	75		8	1	-	-	Tr	Tr	2500
	Aldergrove ...	23.8	0	NW'W	2	b	59	45	41	9	1	-	-	Tr	Tr	3500
19	Birr Castle ...	24.5	-6	N	1	bc	66	39		7	-	-	8	0	2-3	-
20	Valentia Obsy.	25.7	+4	W'N	4	bc	56	85	52	9	2	-	1	2-3	2-3	2500
	Roches Point	25.1	+2	S	2	bc	59	75		8	1	-	5	1	4-6	4000

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

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)	20.6	0	N'W	3	b	65	25	39	7	1	-	-	Tr	Tr	2500	0	*
	Croydon ...	20.6	-2	NW	2	b	65	25	39	7	2	-	-	1	1	3500	0	*
	S. Farnborough	20.4	-4	NNW	3	b	67	25	39	9	1	-	-	1	1	3500	0	*
	Boscombe Down	21.6	+2	W'N	3	b	63	35	41	8	2	-	-	Tr	Tr	5600	0	*
	Thorney Island	20.8	-6	WSW	3	bc	62	45	42	8	1	-	-	4-6	4-6	5800	0	*
	Lympne ...	22.4	-2	SE	1	b	47	75	40	7	-	-	-	0	0	-	0	§ 3
	Manston ...	22.2	+2	SE'S	1	c	50	78	43	6	-	1	-	0	10	-	0	*
2	Shoeburyness ...	22.2	+6	E	5	bc	49	75	42	7	-	7	-	0	2-3	-	0	*
	Felixstowe ...	22.4	+4	SE'E	3	b	47	75	40	8	-	-	-	0	0	-	0	2
	Gorleston ...	22.7	+8	NE'N	4	bc	49	75	40	7	1	-	-	2-3	2-3	2800	0	3
	Mildenhall ...	22.7	+14	NNE	3	bc	52	55	35	8	-	-	8	0	2-3	-	0	*
	Cranwell ...	23.1	+18	NE	4	b	50	55	35	8	-	-	-	0	0	-	0	*
3	Birmingham ...	22.1	+6	NW	3	b	60	25	24	8	-	-	-	0	0	-	0	*
	Upper Heyford	21.4	+12	NNW	4	b	62	25	25	7	-	-	-	0	0	-	0	*
4	Ross-on-Wye	21.4	+6	NW	3	b	65	35	36	8	-	-	1	0	Tr	-	0	*
5	Hartland Point	24.7	+4	W	3	bc	53	75	43	8	-	-	5	0	2-3	-	0	3
	Bristol ...	22.2	-4	WSW	3	b	61	55	47	8	-	4	1	0	1	-	0	*
	Portland Bill ...	22.1	-2	NW	2	bc	52	85	48	8	2	-	-	2-3	2-3	4000	0	3
	Plymouth ...	24.1	+2	NW	3	bc	61	45	39	8	-	-	5	0	2-3	-	0	2
	The Lizard ...	26.0	+6	WNW	3	bc	54	75	46	8	7	6	-	4-6	4-6	3500	0	3
	Scilly (St. Mary's)	26.7	+2	WNW	3	bc	55	85	49	8	-	-	4	0	4-6	-	0	2
	Guernsey ...																	
6	Pembroke ...	25.1	+2	NW'W	3	b	53	85	47	7	-	4	-	0	1	-	0	2
7	Holyhead (Valley)	23.8	0	-	0	b	58	45	38	8	-	-	-	0	0	-	0	1
	Chester (Sealand)	23.1	0	WNW	4	b	55	55	36	8	-	-	1	0	Tr	-	0	*
8	Manchester ...	22.8	+10	NW	4	b	56	45	37	7	-	-	-	0	0	-	0	*
10	Spurn Head ...	23.3	+10	NNE	4	bc	47	75	40	7	1	-	-	2-3	2-3	4000	0	3
	Catterick ...	24.5	+12	NE'E	2	b	49	65	36	7	5	4	-	Tr	1	4000	0	*
	Tynemouth ...	24.6	+8	NNE	4	bc	46	75	39	8	-	4	-	0	2-3	-	0	3
11	St. Abbs Head	24.7	+8	N	4	c	45	75	36	8	5	4	-	2-3	7-8	2000	0	2
	Leuchars ...	24.4	+6	E	3	b	47	55	33	8	5	-	-	1	1	3500	0	*
12	Renfrew (Abbots I.)	22.6	+8	ENE	3	z	56	55	40	6	-	-	1	0	Tr	-	0	*
	Eskdalemuir ...	22.7	+10	ENE	4	b	53	55	37	8	-	4	-	0	Tr	-	0	*
	Point of Ayre...	23.4	0	NW	4	b	54	65	42	8	-	4	9	0	1	-	0	3
13A	Tiree	24.7	+2	NNW	2	b	49	75	42	8	-	-	-	0	0	-	0	3
13B	Stornoway ...	25.2	+2	NE	3	bc	47	75	38	8	5	-	-	4-6	4-6	3500	0	1
15	Dalwhinnie ...	24.7	+2	NE	2	b	52	65	35	8	8	-	-	1	1	2500	0	-
	Aberdeen ...	24.8	+10	NNE	3	c	48	55	31	8	5	-	-	7-8	7-8	4000	0	2
	Wick ...	25.4	+6	NE	2	c	45	65	35	9	5	-	-	9	9	4000	0	*
16	Sumburgh ...	24.3	+8	N	3	c	44	65	32	9	5	-	-	10	10	2500	0	2
17	Blacksod Point	26.1	+6	W	2	b	55	65	44	8	-	-	-	0	0	-	0	2
18	Malin Head ...	25.6	+4	N	1	b	49	75	42	8	-	-	-	0	0	-	0	1
	Aldergrove ...	24.7	+6	NNW	2	b	57	55	32	8	-	-	-	0	0	-	0	*
19	Birr Castle ...	24.3	0	N	1	bc	67	35		7	-	-	8	0	2-3	-	0	*
20	Valentia Obsy.	26.8	+6	WSW	3	b	55	85	51	9	1	-	1	Tr	1	2500	0	2
	Roches Point	25.4	+2	SW	3	b	61	55		8	-	-	-	0	0	-	0	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 3rd (39)	Weather. 13h.—18h. 3rd (40)	Weather. 18h. 3rd to 1h. 4th (41)	Weather. 1h.—7h. 4th (42)
1	London (Kew)	bzby	by	bybzz	bzxbz
	Croydon ...	bcbzy	bcyby	bybnz	bzxbm
	S. Farnborough	bcmzby	by	bbcybnz	bmxbjf
	Boscombe Down	bmzby	by	bz	b
	Thorney Island	b	bzbcy	bcyb	bbm
	Lympne ...	cmzb	b	bbmzw	bmzwb
	Manston ...	cbcby	bybccz	cbzbmz	bmzbczc
2	Shoeburyness ...	bcmzb	b	b	bbc
	Felixstowe ...	cbcb	bbcb	bbcbmz	bbcmzc
	Gorleston ...	bc	bc	bbc	cbc
	Mildenhall ...	bcmzbby	bybcy	bbmz	bmz
	Cranwell ...	bzy	bzby	bbmzw	bbcbmzbf
3	Birmingham ...	by	by	b	bxz
	Upper Heyford	bbzy	bzy	b	bmzbfg
4	Ross-on-Wye	bzby	by	by	bmzw
5	Hartland Point	by	bybc	bcbbc	bcocw
	Bristol ...	bmmzb	by	bmzbmz	bmjf
	Portland Bill ...	bcbc	bcbc	bcb	bcbc
	Plymouth ...	b	b	byb	bcwjf
	The Lizard ...	bc	bc	bcw	bc
	Scilly (St. Mary's)	b	b	bcbw	bcoffc
	Guernsey ...				
6	Pembroke ...	bcb	bz	bzw	bcif
7	Holyhead (Valley)	b	by	bw	bwm
	Chester (Sealand)	bzy	by	bymzw	bmzx
8	Manchester ...	bz	by	bz	bbz
10	Spurn Head ...	b	b	c	c
	Catterick ...	bzy	bzyb	bbmz	bmzb
	Tynemouth ...	bc	bc	bc	bcc
11	St. Abbs Head	bcmzb	bccbc	bcbbc	c
	Leuchars ...	bbcyc	cbcby	bcbc	cxc
12	Renfrew (Abbots I.)	bfzzy	bzbzy	bybzo	bmb
	Eskdalemuir ...	by	by	by	byb
	Point of Ayre...	b	b	bw	bbcw
13A	Tiree	b	b	b	b
13B	Stornoway ...	c	cbc	bc	bbc
15	Dalwhinnie ...	bcy	bcy		bc
	Aberdeen ...	cizc	cy	cybc	bcc
	Wick ...	c	cyvcv	c	c
16	Sumburgh ...	cy	cyc	c	cpzc
17	Blacksod Point	b	b	bc	bc
18	Malin Head ...	c	b	b	b
	Aldergrove ...	bby	by	byb	bbfgbf
19	Birr Castle ...	bc	bc		f
20	Valentia Obsy.	bc	b	bc	f
	Roches Point	b	b	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 4th May

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light variable wind; fine. Local mist or fog in early morning; rather warm inland during day but cool on coast. Ground frost at night.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate south to southwest wind, freshening later. Cloud increasing, some drizzle or light rain later; average temperature. As 1-12
16 Orkneys and Shetlands	As 13
17 N. W. Ireland	As 20
18 N. E. Ireland 19 S. E. Ireland	As 1-12
20 S. W. Ireland	Freshening south to southwest wind. Cloud increasing; drizzle or light rain later; average temperature.

GENERAL INFERENCE

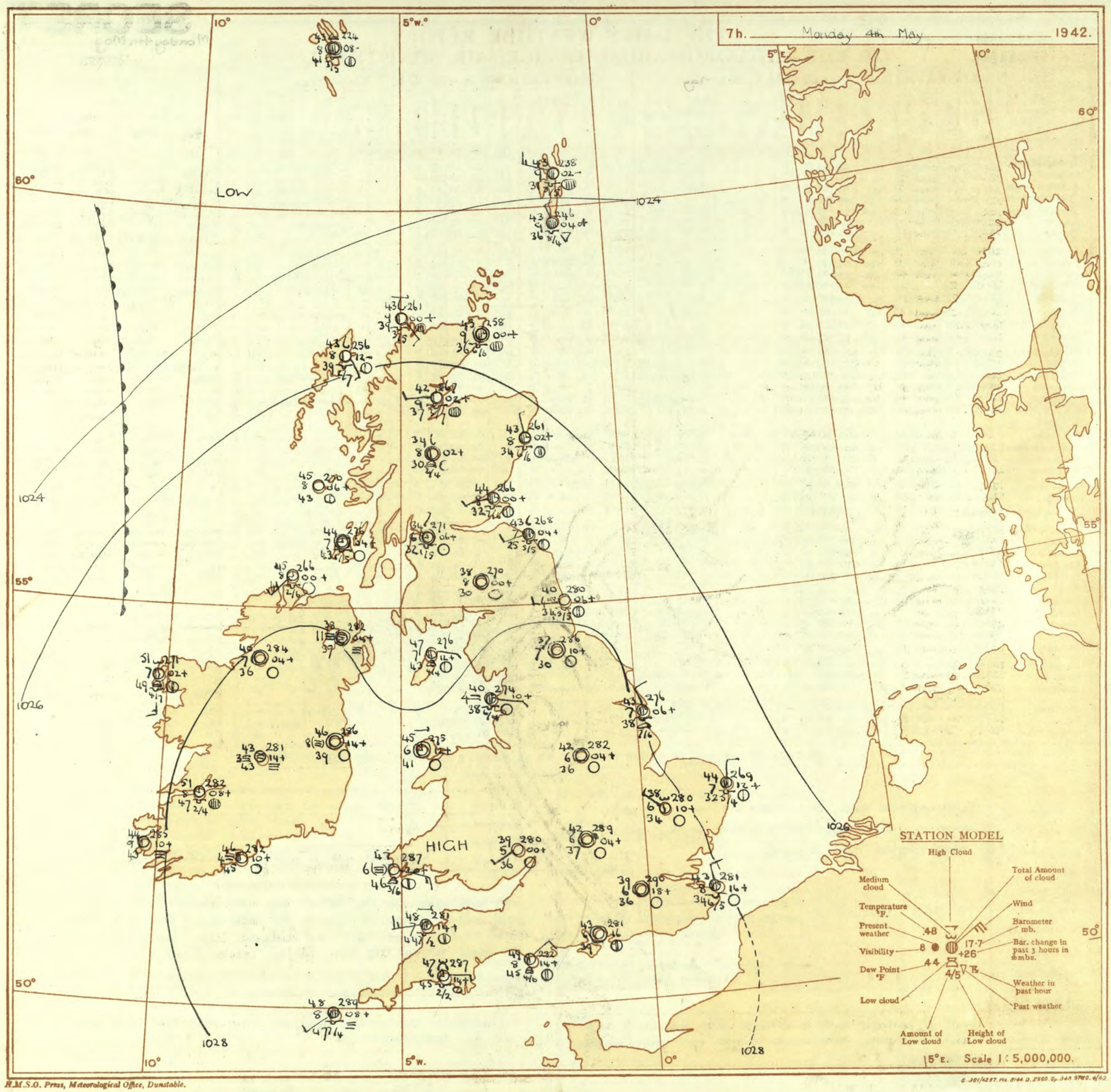
An anticyclone over the British Isles with maintain fine weather in most districts. There will, however, be much cloud and local drizzle later in the exteme West and Northwest. Day temperatures will be above average but there will be ground frost at night.

FURTHER OUTLOOK

Occasional rain in the West and Northwest. Fine and warm 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).

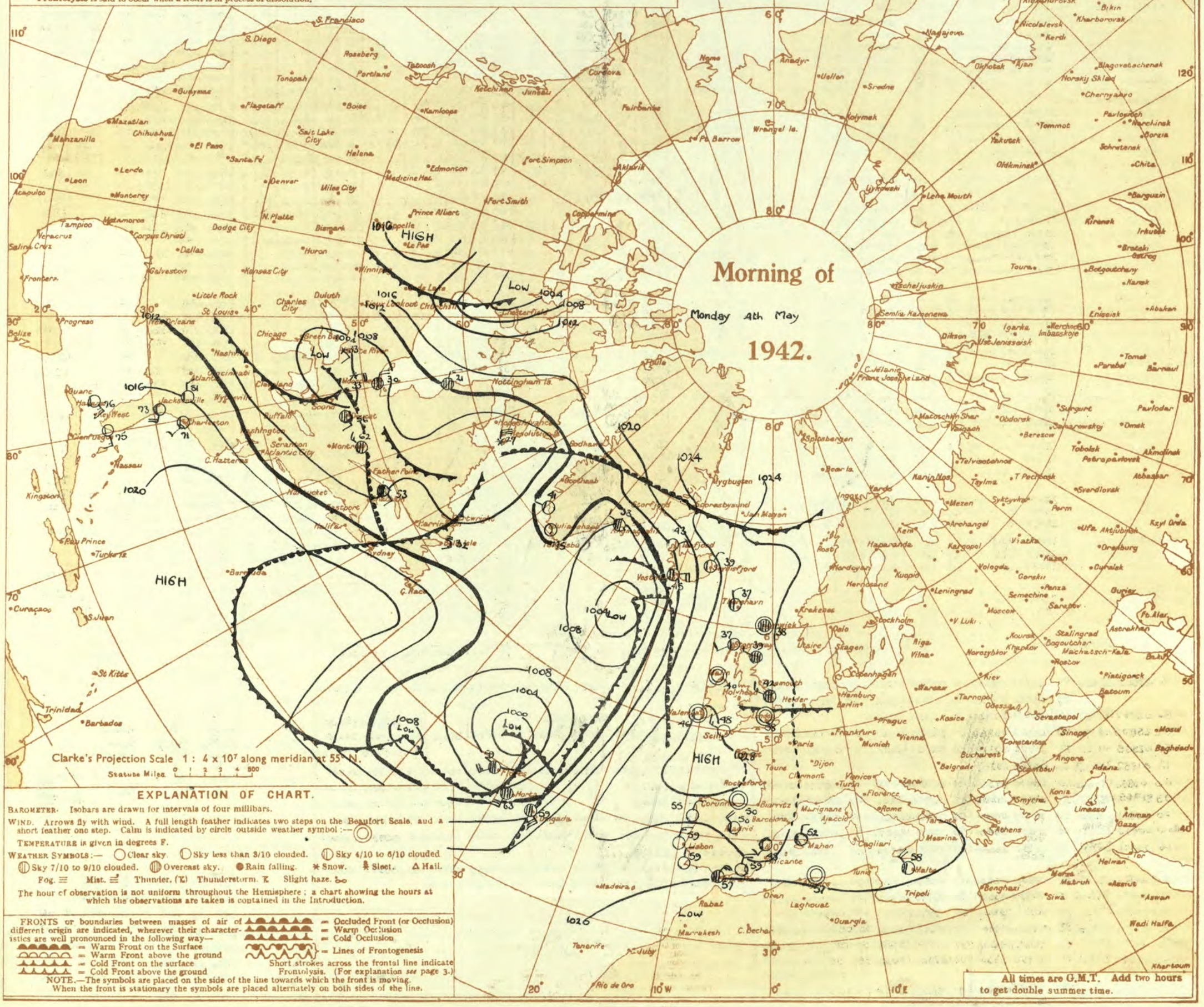
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (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 4th May 1942

No. 28383

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

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	26.1	+18	-	0	≡	38	92	37	5	-	-	-	0	0	-
	S. Farnborough	226	26.1	+18	-	0	≡	43	85	38	6	-	-	-	0	0	-
	Boscombe Down	417	26.6	+24	N'E	1	≡	40	85	35	6	-	-	-	0	0	-
	Thorney Island	10	25.3	+26	NE	3	≡	46	85	42	7	-	-	-	0	0	-
	Lympne ...	283	25.7	+14	NNW	1	≡	38	92	35	6	-	-	-	0	0	-
	Manston ...	154	25.6	+10	N'W	3	≡	40	85	32	6	-	-	1	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25.8	+10	NNW	2	≡	41	85	36	6	5	-	-	Tr	Tr	1500
	Gorleston ...	5	25.6	+10	NNE	2	bc	40	75	32	7	7	5	-	4-6	4-6	800
	Mildenhall ...	15	26.2	+8	NW	1	≡	33	87	32	6	-	-	-	0	0	-
	Cranwell ...	203	26.5	+6	-	0	≡	37	92	35	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26.8	+22	SW	1	b	38	85	33	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26.5	+2	WSW	2	b	49	92	47	7	4	-	-	1	1	4000
	Bristol ...	209	26.8	+14	-	0	≡	41	75	35	6	-	-	-	0	0	-
	Portland Bill ...	32	25.6	+22	N	2	b	49	92	47	8	-	-	-	0	0	-
	Plymouth ...	82	27.1	+6	NW'N	1	b	46	87	46	8	-	-	-	0	0	-
	The Lizard ...	240	27.7	+4	NNW	3	bc	46	97	45	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	27.8	+4	NW'W	3	b	48	97	48	6	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	26.6	+2	SW	3	b	48	97	48	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	26.2	+6	NNE	1	b	39	92	37	7	-	-	-	0	0	-
	Chester (Sealand)	16	26.3	+6	S	1	b	36	92	34	5	-	-	-	0	0	-
8	Manchester ...	235	26.5	+14	SSE	2	b	42	75	35	6	-	-	-	0	0	-
10	Spurn Head ...	29	26.6	+8	NW	3	c	42	85	38	7	2	6	-	4-6	7-8	2500
	Catterick ...	175	27.3	+4	-	0	≡	33	92	31	6	-	-	-	0	0	-
	Tynemouth ...	108	26.9	+8	NNW	2	bc	40	75	32	6	-	4	-	0	2-3	-
11	St. Abbs Head	280	26.4	+8	-	0	bc	40	75	32	8	4	4	-	1	2-3	-
	Leuchars ...	36	26.6	+2	-	0	c	38	85	33	7	-	3	-	0	9+	-
12	Renfrew (Abbots I.)	19	26.2	+10	-	0	≡	35	85	32	7	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	25.8	+10	N	3	b	45	85	40	8	4	-	-	Tr	Tr	3000
13A	Tiree	22	26.9	+4	SW	1	b	44	85	40	8	-	-	-	0	0	-
13B	Stornoway ...	80	26.5	+4	W	2	bc	37	92	34	8	5	-	-	2-3	2-3	35[illegible]
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	26.5	+6	NW	1	c	39	85	35	8	5	-	-	10	10	4700
	Wick ...	114	25.9	+2	-	0	bc	39	85	34	9	5	-	-	4-6	4-6	4000
16	Sumburgh ..	19	24.8	0	N'W	2	c	42	65	32	8	5	-	-	9+	9+	2500
17	Blacksod Point	18	27.3	+6	S	1	c	50	92	48	8	5	-	-	9+	9+	4000
18	Malin Head ...	84	26.7	+2	-	0	b	40	92	38	8	-	-	-	0	0	-
	Aldergrove ...	268	27.3	+10	-	0	c	36	92	34	8	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.4	+10	-	0	b	46	97	45	9	5	-	-	1	1	2500
	Roches Point	22	27.1	+6	N	4	b	50	85	46	8	-	-	-	0	0	-

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	28.7	+14	-	0	≡	44	75	37	6	-	-	-	0	0	-	0	*
Croydon ...	28.2	+12	-	0	≡	40	85	37	4	-	-	-	0	0	-	0	*
S. Farnborough	29.0	+18	-	0	≡	39	85	36	6	-	-	-	0	0	-	1	*
Boscombe Down	27.7	+12	-	0	≡	41	75	34	6	-	-	-	0	0	-	0	*
Thorney Island	28.1	+16	-	0	≡	43	85	39	6	-	-	-	0	0	-	0	*
Lympne ...	28.5	+18	NNW	1	b	42	85	36	8	5	-	-	1	1	3000	0	§3
Manston ...	28.1	+16	N	2	c	43	75	34	8	5	-	-	9	9	2000	0	*
Shoeburyness ...	28.1	+16	N	2	bc	41	85	37	7	5	-	-	4-6	4-6	5700	0	*
Felixstowe ...	28.0	+14	NW'N	2	c	43	75	37	8	6	-	-	9	9	3000	0	2
Gorleston ...	26.9	+12	N'E	2	c	44	85	31	7	5	-	-	7-8	7-8	1600	0	2
Mildenhall ...	28.0	+10	NW	1	≡	38	85	34	6	-	3	-	0	2-3	-	0	*
Cranwell ...	28.0	+8	W	2	b	41	85	36	7	5	-	-	1	1	4000	0	*
Birmingham ...	27.8	+8	SSW	1	≡	44	65	33	6	-	-	-	0	0	-	0	*
Upper Heyford	28.9	+12	-	0	≡	42	85	37	6	-	-	-	0	0	-	0	*
Ross-on-Wye	28.0	+6	SW'W	1	≡	39	85	36	5	-	-	-	0	0	-	0	*
Hartland Point	28.1	+14	WSW	3	c	48	85	44	7	5	-	8	9+	9+	500	0	3
Bristol ...	28.4	+6	-	0	bif	41	85	37	6	-	-	-	0	0	-	0	*
Portland Bill ...	29.2	+14	NE	2	bc	49	85	45	8	2	-	-	4-6	4-6	4000	0	3
Plymouth ...	28.7	+14	E	1	≡	47	92	45	6	5	6	-	1	1	400	0	2
The Lizard ...	29.3	0	WNW	3	bc	48	97	48	8	8	6	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	28.9	+8	SW	2	c	48	97	48	8	5	-	-	9+	10	1500	0	2
Guernsey ...																	
Pembroke ...	28.7	+20	E'S	3	bif	47	97	46	6	2	-	-	2-3	2-3	3000	0	2
Holyhead (Valley)	27.5	+12	-	0	≡	45	85	41	6	-	-	1	0	Tr	-	0	1
Chester (Sealand)	28.0	+12	SSE	1	m	40	75	34	4	-	-	-	0	0	-	0	*
Manchester ...	27.4	+6	S	3	≡	43	75	35	6	-	-	-	0	0	-	0	*
Spurn Head ...	27.6	+6	NNW	2	c	43	85	38	7	7	-	-	9+	9+	4000	0	2
Catterick ...	28.6	+10	-	0	b	37	75	30	7	-	-	-	0	0	-	0	*
Tynemouth ...	28.0	+6	W	2	m	40	75	34	4	5	-	-	7-8	7-8	2000	0	3
St. Abbs Head	26.8	+4	WSW	2	c	43	55	35	7	5	4	-	7-8	9+	2500	0	3
Leuchars ...	26.6	0	WSW	1	c	44	65	34	8	5	-	-	9+	9+	4500	0	*
Renfrew (Abbots I.)	27.1	+6	-	0	≡	34	92	32	6	5	-	4	Tr	Tr	2500	0	*
Eskdalemuir ...	27.0	0	-	0	b	38	45	30	8	-	-	-	0	0	-	0	*
Point of Ayre...	27.6	+12	E'S	1	bc	47	85	44	7	2	-	-	4-6	4-6	1500	0	2
Tiree	27.0	+6	SWS	1	bc	45	97	43	8	-	3	4	0	4-6	-	0	2
Stornoway ...	25.6	-12	SE	1	bc	43	85	39	8	5	4	6	1	2-3	5000	0	2
Dalwhinnie ...	28.2	+2	-	0	bc	34	85	30	8	2	4	-	1	2-3	1500	1	*
Aberdeen † ...	26.1	+2	N'W	1	c	43	75	34	8	5	-	-	9	9	4000	0	2
Wick ...	25.8	0	-	0	c	43	75	35	9	5	-	-	9	9	5000	0	*
Sumburgh ..	24.6	+4	NNW	2	c	43	75	34	9	5	-	-	10	10	1500	0	1
Blacksod Point	27.1	+2	S	3	bc	51	92	49	9	8	3	-	4-6	4-6	5700	0	2
Malin Head ...	26.6	0	SWS	1	b	46	85	41	8	5	-	-	1	1	4000	0	1
Aldergrove ...	28.2	+4	-	0	F4	38	92	36	1	-	-	-	10	10	<150	0	*
Birr Castle ...	28.1	+14	W	1	f	43	97	42	3	3	-	-	10	10	<150	0	*
Valentia Obsy.	28.5	+2	NE'E	2	fg	44	97	43	9	-	-	1	0	2-3	-	0	2
Roches Point	28.2	+10	N	4	m	46	97	45	4	5	-	-	4-6	4-6	800	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 3rd Hrs. (38)
London (Kew)	67	39	22	-	Tr	11.3
Croydon ...	68	33	29	-	0.1	11.0
S. Farnborough	70	39	22	-	-	12.0
Boscombe Down	69	34	27	-	Tr	11.5
Thorney Island	66	37	29	-	-	*
Lympne ...	54	35	28	-	-	10.2
Manston ...	60	38	32	-	-	9.6
Shoeburyness ...	59	35	27	-	-	9.7
Felixstowe ...	57	35	31	-	-	10.1
Gorleston ...	54	38	34	-	-	10.8
Mildenhall ...	60	30	20	-	Tr	11.2
Cranwell ...	60	35	27	-	Tr	12.1
Birmingham ...	66	38	25	-	-	13.2
Upper Heyford	67	33	27	-	-	*
Ross-on-Wye	69	33	20	-	-	13.0
Hartland Point	54	47	45	-	-	13.3
Bristol ...	67	33	20	-	-	12.8
Portland Bill ...	55	44	*	-	-	*
Plymouth ...	65	41	31	-	-	12.5
The Lizard ...	57	45	*	-	-	11.8
Scilly (St. Mary's)	58	47	*	-	-	13.1
Guernsey ...						
Pembroke ...	55	35	*	-	-	13.0
Holyhead (Valley)	61	33	26	-	-	*
Chester (Sealand)	56	34	30	-		11.9
Manchester ...	60	37	26	-	-	*
Spurn Head ...	53	39	*	-	-	13.0
Catterick ...	55	30	20	-	-	13.6
Tynemouth ...	49	38	35	-	-	*
St. Abbs Head	50	39	*	-	-	*
Leuchars ...	56	36	30	-	-	12.9
Renfrew (Abbots I.)	66		23	-	-	12.7
Eskdalemuir ...	61	27	21	-	-	12.8
Point of Ayre...	58	42	*	-	-	13.1
Tiree	53	36	*	-	-	14.4
Stornoway ...	49	35	*	-	-	2.9
Dalwhinnie ...	55	23	13	-	-	12.5
Aberdeen † ...	43	35	30	0.1	-	0.6
Wick ...	48	36	36	Tr	-	*
Sumburgh ..	46	38	37	-	0.1	0.1
Blacksod Point	62	44	*	-	-	*
Malin Head ...	52	(40)		-	-	
Aldergrove ...	62	29	25	-	-	13.8
Birr Castle ...	68	35	29	-	-	12.8
Valentia Obsy.	57	41	39	Tr	Tr	
Roches Point	62	45	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 3rd May ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	7-	02866	32226	7-	02867	28427
115				53	02944	04315
203	5-	02847	32327	10	00841	32301
206	52	25855	08386	53	01963	06314
210	57	02965	01327	53	01962	03314
220	13	01852	28403	00	00890	29200
230	00	00890	18100	00	00890	24300
245	33	81945	08387	5-	02954	10286
260	00	00890	04100	00	00890	04100
278	00	00890	28311	00	00890	28401
279	14	00861	24201	00	00790	20100
285						
288	53	00761	02302	00	00890	04300
575	00	00890	28300	00	00890	25300
301	00	00790	27301	00	00790	27300
321	00	00790	02300	53	01863	04404
299	50	01763	28313	50	01762	31412
292	10	05651	32301	00	00890	03300
310						
614	00	05690	08300	00	05690	06200

01h. G.M.T. 4th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02856	00026	50	02967	24227
115	52	02944	08227	54	01953	12224
203	10	00941	04201			
206	5-	02968	00028	50	01973	24123
210	53	02864	16127	5-	02977	22227
220						
230	00	00890	00001	54	00851	00003
245	5-	02966	23116	50	01965	28125
260	00	00890	09200	00	00890	25101
278	50	00741	26301	5-	05636	12116
279	00	00790	04400	00	00790	04100
285						
288	00	05690	20100	53	05654	18127
575	00	00790	00000	50	00790	00001
301	00	05590	10100	5-	08446	09116
321	00	05690	32110	50	05562	00012
299	57	01755	32315	5-	02765	31315
292	00	00790	29100	55	95652	00008
310				--	01641	20301
614	00	05690	00000	00	05590	26100

13h. G.M.T. 3rd May ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	26301	00	00890	28200
334						
340	00	00890	31300	00	00890	31400
136	14	01853	01313	50	00742	02402
336						
350	00	05690	27300	00	00790	04300
368	04	00890	21421			
378	00	00890	28300			
390	00	00790	30201	00	00790	10300
382	10	00861	30401	10	00772	32402
438	04	01790	22313			
430	13	01763	18313	10	01874	20314
409	50	00743	23313	50	02834	26316

01h. G.M.T. 4th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	00000	00	00790	00000
334						
340				00	05690	15200
136				5-	02744	29216
336				50	05652	32312
350	04	05590	22341			
368	00	05690	01100	00	05590	01100
378	00	00790	04200	00	00890	14100
390	00	05590	28200	04	05690	28111
382	00	05690	00000	03	05690	00001
438						
430	00	00690	02100	00	05690	02100
409	7-	05636	24226			

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 May
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 ...	bzdy	by	byzomo	Kew 24 hours ended 7h. Max. Time 0.3 6h 4th
Croydon ...	bcbzy	bcyby	bybm	
Greenwich ...	bzoy	by	bxboz	
Camden Square	b	c	*	
Kensington ...	bcx	bc	*	
Hampstead ...	b	bc	bc	Min. Time <0.1 19h 4th

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 ...	67	39	22	-	Tr	11.3	*	*
Croydon ...	68	33	29	-	0.1	11.0	*	*
Greenwich ...	67	39	21	-	-	11.3	29	56
Westminster ...	70	42	36	-		*	39	68
Regents Park ...	69	39	32	-	-	*	49	63
Camden Square	70	40	32	-	-	*	*	59
Kensington ...	70	37	31	-	-	*	29	57
Hampstead ...	67	37	33	-	-	*	*	71

SECRET

Page 1 **BRITISH SECTION**

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

Tuesday 5th May 1942

No. 29384

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

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)	28·6	-4	W'S	1	z0	58	35	33	6	1	–	–	Tr	Tr	2500
	Croydon ...	27·9	-6	WNW	1	z0	60	45	37	9	1	–	–	1	1	3000
	S. Farnborough	28·0	-10	WNW	2	b	62	35	35	8	1	–	–	Tr	Tr	4000
	Boscombe Down	28·2	-6	W	2	z0	64	35	34	8	1	–	–	Tr	Tr	4000
	Thorney Island	29·1	-2	SSW	4	b	52	75	44	7	–	–	–	0	0	–
	Lympne ...	29·4	+2	SE	3	c	49	75	40	8	4	–	–	7-8	7-8	3500
	Manston ...	30·0	+6	N	1	bc	50	55	36	8	5	3	–	2-3	4-6	3000
2	Shoeburyness ...	29·1	0	SE	3	b	51	65	39	8	5	–	–	9	9	3100
	Felixstowe ...	28·6	-4	SE'E	3	c	50	65	37	8	5	–	–	9+	9+	3500
	Gorleston ...	28·8	+2	NE	3	bc	47	55	32	8	5	4	–	4-6	4-6	2500
	Mildenhall ...	28·5	-6	–	0	c	54	65	36	8	5	–	–	9	9	2500
	Cranwell ...	27·4	-6	NW'W	2	b	59	45	39	8	1	–	–	Tr	Tr	3000
3	Birmingham ...	27·3	0	WNW	2	b	62	25	27	7	–	–	–	0	0	–
	Upper Heyford	27·5	-10	WSW	1	b	61	45	37	7	1	–	–	Tr	Tr	2500
4	Ross-on-Wye	26·5	-6	NNW	2	b	65	35	38	7	1	–	–	Tr	Tr	4000
5	Hartland Point	29·2	+6	W	4	c	49	92	47	7	5	2	–	7-8	10	600
	Bristol ...	28·4	-2	W'N	3	b	65	45	42	7	–	–	–	0	0	–
	Portland Bill ...	29·9	+6	S	2	bc	52	85	47	8	2	–	–	4-6	4-6	4000
	Plymouth ...	29·4	+4	SSW	2	b	55	85	50	7	1	–	–	Tr	1	3500
	The Lizard ...	30·0	+6	W	4	bc	50	85	44	8	8	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	30·3	+2	W	3	bc	56	85	50	8	1	4	–	1	2-3	1800
	Guernsey ...															
6	Pembroke ...	29·4	+4	SW	1	F	50	97	49	1	–	–	–	10	10	<150
7	Holyhead (Valley)	28·0	0	SE	1	b	56	55	42	8	–	–	1	0	Tr	–
	Chester (Sealand)	28·1	+4	NW'N	4	b	54	55	40	8	–	–	1	0	Tr	–
8	Manchester ...	27·3	-2	WNW	3	b	60	45	41	6	–	–	–	0	0	–
10	Spurn Head ...	28·0	-2	ESE	3	b	48	45	29	7	–	–	–	0	0	–
	Catterick ...	26·6	-10	NE	1	z0	61	45	40	6	5	–	–	Tr	Tr	4000
	Tynemouth ...	27·7	-4	SE	3	bc	49	75	41	6	–	4	–	0	4-6	–
11	St. Abbs Head	26·1	-6	ESE	2	bc	48	65	38	8	5	–	–	4-6	4-6	5000
	Leuchars ...	25·2	-10	E	1	c	57	45	37	8	–	4	8	0	9+	–
12	Renfrew (Abbots I.)	25·7	-10	NW	2	c	62	35	37	8	–	4	6	0	9	–
	Eskdalemuir ...	25·1	-4	SW'W	1	b	59	35	33	8	1	–	1	Tr	1	4000
	Point of Ayre ...	27·7	0	NW'W	3	bc	56	65	43	8	–	–	2	0	2-3	–
13A	Tiree ...	26·4	-6	SW'S	2	c	52	85	46	8	5	–	–	9+	9+	3500
13B	Stornoway ...	24·4	-6	SSE	5	c	52	75	45	8	5	7	–	4-6	9	1300
15	Dalwhinnie ...	25·3	0	SW	3	c	57	45	34	8	8	–	8	4-6	9	2500
	Aberdeen ...	26·0	-4	SE	3	bc	52	55	35	8	7	–	6	Tr	2-3	3500
	Wick ...	25·3	-6	S	3	c	51	45	32	9	1	4	9	1	7-8	4000
16	Sumburgh ...	24·2	-4	WSW	2	c	49	75	40	9	5	1	1	7-8	7-8	3000
17	Blacksod Point	27·6	+2	SW	3	c	56	85	51	8	8	–	–	9+	9+	2500
18	Malin Head ...	26·7	+2	WNW	2	bc	54	85	50	8	5	3	–	2-3	4-6	4000
	Aldergrove ...	26·9	-10	SW	2	c	64	35	37	8	1	–	6	1	7-8	4500
19	Birr Castle ...	27·9	-8	SSW	1	bc	65	55	49	7	–	–	8	0	2-3	–
20	Valentia Obsy.	28·8	0	W'N	4	c	57	85	52	9	2	–	1	4-6	7-8	1500
	Roches Point	28·9	+4	S	3	bc	55	85	51	8	1	–	–	2-3	2-3	4000

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

Stations	Barom. at M.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)	26·6	-8	SW'S	4	bc	57	55	41	7	1	–	4	Tr	2-3	2500	0	*
Croydon	27·2	-2	S	3	b	55	65	42	7	–	–	–	0	0	–	0	*
S. Farnborough	27·2	-2	SW'S	3	bc	59	55	40	8	–	–	4	0	2-3	–	0	*
Boscombe Down	26·9	-8	SSW	3	b	59	55	43	7	–	–	1	0	Tr	–	0	*
Thorney Island	28·4	-4	SSW	4	b	50	92	46	7	–	–	–	0	0	–	0	*
Lympne	29·3	-2	SSE	2	b	45	75	37	8	–	–	–	0	0	–	0	§
Manston	29·0	+2	SSE	3	b	46	65	36	9	–	–	–	0	0	–	0	*
Shoeburyness	28·2	-4	SSE	3	b	51	75	42	8	–	–	–	0	0	–	0	*
Felixstowe	29·3	-2	SE'S	3	b	47	65	37	8	–	–	–	0	0	–	0	2
Gorleston	28·9	-2	S'W	3	bc	46	65	36	8	–	6	–	0	2-3	–	0	2
Mildenhall	26·5	-14	SE'E	2	b	60	45	39	8	–	–	4	0	0	–	0	*
Cranwell	25·8	-2	E'S	3	c	52	65	41	7	–	–	6	0	9+	–	0	*
Birmingham	26·5	-4	NW	3	bc	61	25	26	7	–	–	2	0	4-6	–	0	*
Upper Heyford	26·2	-4	NW	2	b	63	35	32	7	–	–	2	0	1	–	0	*
Ross-on-Wye	26·0	-6	WNW	3	b	66	35	36	8	1	–	1	1	1	4500	0	*
Hartland Point	29·0	0	WSW	3	c	51	85	47	7	5	–	–	7-8	7-8	800	0	3
Bristol	26·9	-8	W	3	b	60	55	45	7	1	–	1	0	Tr	–	0	*
Portland Bill	28·2	-6	S	2	bc	49	85	45	8	5	–	–	4-6	4-6	<150	0	3
Plymouth	28·5	-4	NNW	3	b	62	55	44	8	–	–	–	0	0	–	0	2
The Lizard	29·4	-6	WNW	3	bc	53	85	45	8	4	–	–	2-3	2-3	2500	0	3
Scilly (St. Mary's)	30·2	-4	NW'W	3	b	54	85	50	8	1	–	–	Tr	Tr		0	2
Guernsey																	
Pembroke	28·9	-4	W	3	F	46	97	45	1	–	–	–	10	10	<150	0	2
Holyhead (Valley)	27·1	-10	SW	2	b	53	65	42	8	–	–	–	0	0	–	0	2
Chester (Sealand)	26·9	-8	NW	3	bc	58	35	29	8	–	–	2	0	4-6	–	0	*
Manchester	26·2	-4	WNW	3	bc	59	35	31	6	–	–	2	0	4-6	–	0	*
Spurn Head	26·6	-8	SE	5	b	46	45	29	7	–	–	–	0	0	–	0	3
Catterick	25·0	-4	W'N	2	c	62	45	41	7	–	–	2	0	9	–	0	*
Tynemouth	25·3	-6	S	4	bc	46	75	39	6	2	3	1	4-6	4-6	2500	0	3
St. Abbs Head	24·1	-16	SE	3	b	47	85	43	7	5	–	–	1	1	3500	0	3
Leuchars	22·3	-12	W	4	bc	65	35	32	8	–	4	8	0	2-3	–	0	*
Renfrew (Abbots I.)	24·8	-2	W	4	c	59	45	35	8	–	6	6	0	7-8	–	0	*
Eskdalemuir	24·2	-2	W'N	4	bc	59	45	38	8	1	4	8	Tr	4-6	3800	0	*
Point of Ayre	26·7	-2	NW	2	b	54	75	45	8	–	4	1	0	1	–	0	1
Tiree	24·8	-6	SW'W	2	c	51	97	50	7	5	–	–	9+	9+	800	0	3
Stornoway	21·6	-10	SSW	4	c/r	51	92	49	8	5	7	–	4-6	9+	1500	1	2
Dalwhinnie	23·0	-4	SW	2	c	52	55	36	8	5	6	–	7-8	10	2500	0	*
Aberdeen	24·0	-12	S'E	3	bc	47	75	39	7	5	4	9	1	2-3	3500	0	1
Wick	22·4	-14	SSE	4	c	46	75	37	8	5	7	–	4-6	9+	3200	0	*
Sumburgh	21·5	-18	SW'W	4	rr	44	85	40	7	5	2	–	7-8	10	1500	1	3
Blacksod Point	27·1	-4	WSW	4	c	53	85	49	8	8	–	–	10	10	2500	0	2
Malin Head	25·8	-4	W'N	3	c	53	85	49	8	5	9	–	4-6	7-8	4000	0	1
Aldergrove	25·6	-6	–	0	bc	63	45	44	8	5	4	8	4-6	4-6	4500	0	*
Birr Castle	26·5	-4	WSW	2	bc	65	55	49	7	1	–	8	1	4-6	2500	0	*
Valentia Obsy.	28·3	-6	W'N	2	c	56	85	52	9	5	–	2	2-3	7-8	2500	0	2
Roches Point	27·8	-6	S'W	3	bc	57	85	53	8	1	–	5	1	2-3	4000	0	3

PAST 24 HOURS.

WEATHER.

Stations	7h.—13h. 4th (39)	13h.—18h. 4th (40)	18h. 4th to 1h. 5th (41)	1h.—7h. 5th (42)
London (Kew)	bz0y	bz0by	bybc	bxbm2w
Croydon	bzbz0y	bz0yb	bbz bm0	bcm2w
S. Farnborough	bm0by	by	bybcbw	bmwjfbc
Boscombe Down	bm0bz0	bz0y	bm	bm
Thorney Island	bz0b	b	bbcbw	bcf Fw
Lympne	b,cbc	b	bbw	bbcfg
Manston	bccbcy	bcybcb	bbm0b	cbcbz
Shoeburyness	bcc	cbcb	b	bbc
Felixstowe	c	cb	b	bcm2bm2
Gorleston	cbcy	bcy	bcb	bbcwz
Mildenhall	bm0c	bcyby	bbm	bm2cz
Cranwell	by	bbyz0yby	bcbz0y	bccz
Birmingham	by	bbcy	bc	bcc
Upper Heyford	bm0bby	by	bybz	bzbcz
Ross-on-Wye	bzby	by	by	bwcz
Hartland Point	c	c	cbc	bccbcw
Bristol	bm0by	by	bybm2m	bcm cm2
Portland Bill	bc	bc	cbc	bcbc
Plymouth	b	by	byb	bcfcm
The Lizard	fbc	bc	bcw	ifFf
Scilly (St. Mary's)	cbccbc	bcb	b	bwxbcf
Guernsey				
Pembroke	bjf	Fe	b	c
Holyhead (Valley)	b	by	bcb	bcjf
Chester (Sealand)	m0mb	bbccy	bcyczbc0	bccz0y
Manchester	bzjby	bcz0y	bccz	czc
Spurn Head	bcb	b	b	bcm0
Catterick	bz0y	cz0ycy	bz	bzcz
Tynemouth	cmifbc	bc	bc	bccm0
St. Abbs Head	cbc	bbcbb	bm2c	c
Leuchars	bccy	cbcby	c	c
Renfrew (Abbots I.)	bz0cy	ccy	cym0	cm2idc
Eskdalemuir	by	bbcy	bcc	c
Point of Ayre	cbcb	b	bbc	bcc
Tiree	c	c	c	bm
Stornoway	bcc	cr0r0	c	cprir
Dalwhinnie	bccy	cy	*	c
Aberdeen	cbaby	byb	beir0	c
Wick	bccy	bccyc	r0r0m2c	c
Sumburgh	vbc	cr0rr	cr0r0m0	crrr0r
Blacksod Point	d	c	bc	c
Malin Head	bc	bc	r	r
Aldergrove	fcbbcy⊕	bcycy	bcc	c
Birr Castle	f	bc	*	bc
Valentia Obsy.	bc	bc	bc	bc
Roches Point	b	b	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 5th May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light west to southwest wind; fine and rather warm.
5 S.W. England; 6 South Wales; 7 North Wales	Light west to southwest wind. Fine and rather warm inland; fog patches on coast.
8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate or light west to southwest wind. Fair; average temperature or rather warm.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Moderate west to southwest wind. Cloudy; occasional slight rain: average temperature.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh or strong westerly wind. Cloudy; occasional rain: average temperature.
16 Orkneys and Shetlands ✦	Strong west wind, gale locally, moderating. Cloudy; rain at times: mild, becoming rather cold.
17 N. W. Ireland; 18 N. E. Ireland	As 8-10
19 S. E. Ireland; 20 S. W. Ireland	As 5-7

GENERAL INFERENCE

An anticyclone centred off Southwest England is moving slow southeast. A depression centred north of Scotland is moving east and an associated trough is moving southwards towards Scotland. In Scotland there will be rather general rain in the North but only slight local rain elsewhere. It will be mainly fine in England & Wales, although with some increase of cloud, more particularly in the North. Local coast fog will occur in the South & West. In most places ~~day temperature will be considerably above average.~~

FURTHER OUTLOOK

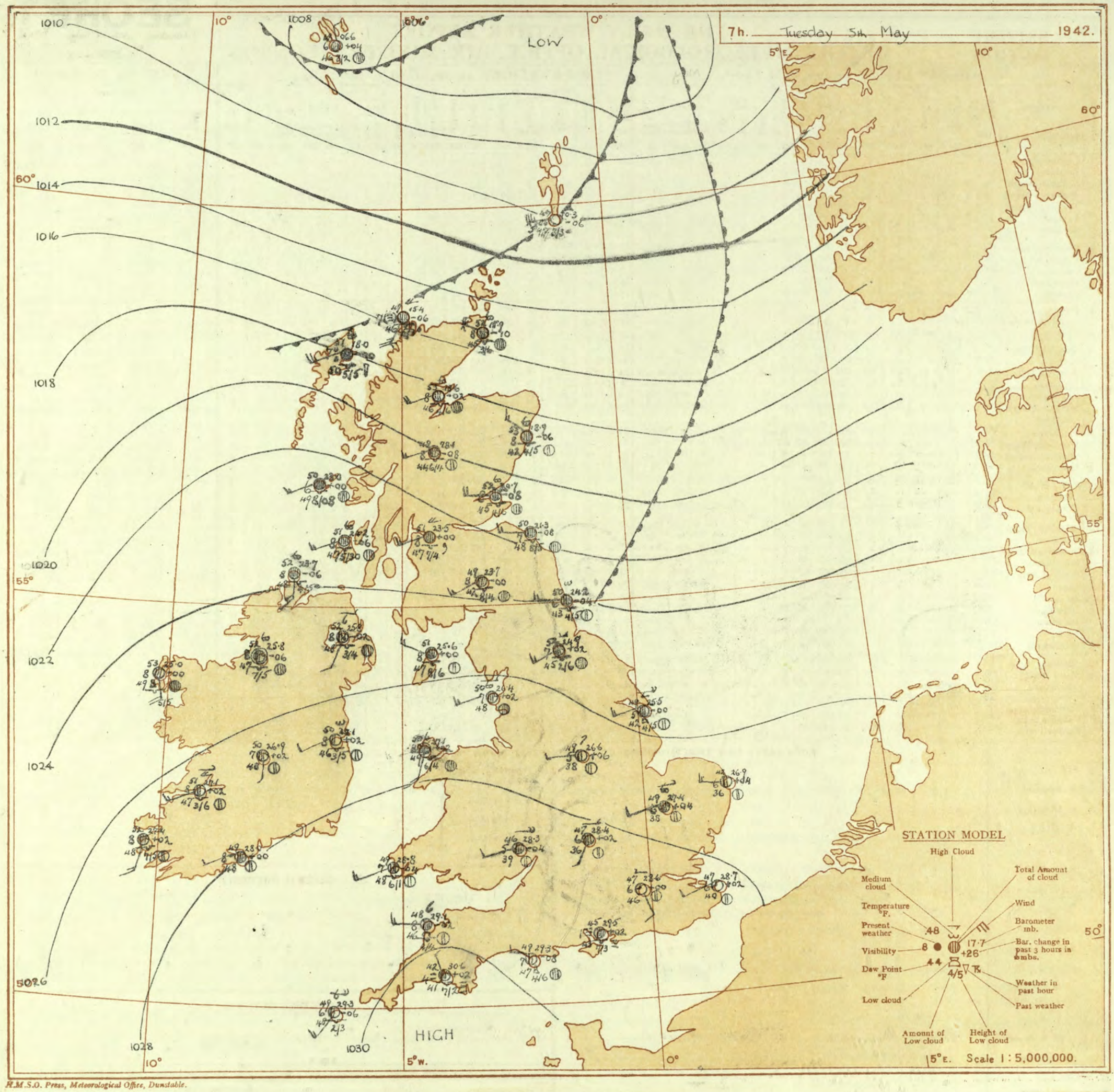
Fine or warm in the South. Cloudy, with occasional rain in the North.

✦ Gale warning in operation in district 16, issued at 1850h., 4. 5. 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.

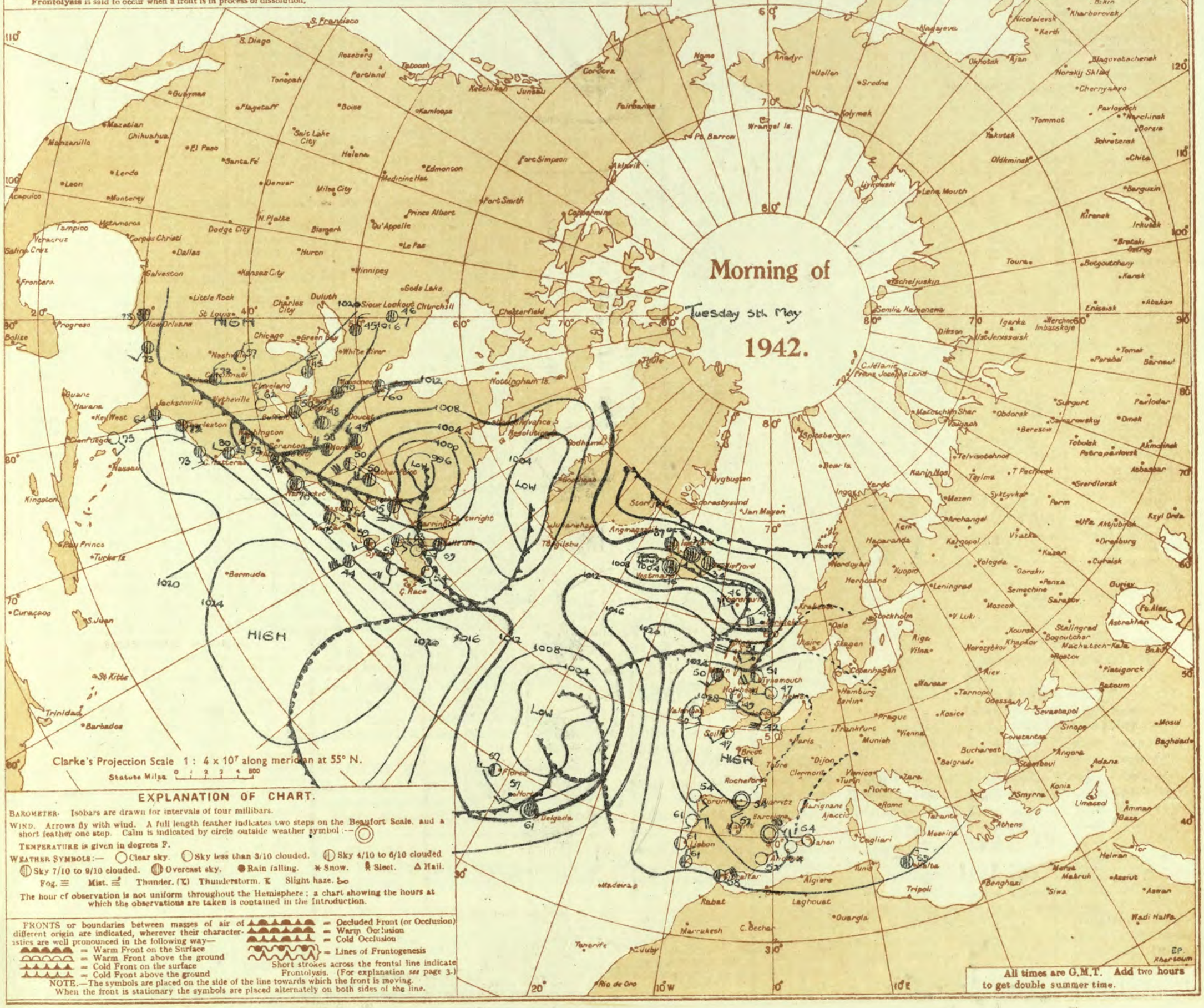
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

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 5th May 1942

No. 29384

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	% Humid. (7)	°F Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon ...	290	28.7	+4	SSW	3	b	42	82	41	6	-	-	-	0	0	-
	S. Farnborough	226	28.8	+2	SSW	1	b	43	82	41	7	-	-	-	0	0	-
	Boscombe Down	417	29.4	+6	NNW	1	8	44	80	39	6	-	-	1	0	Tr	-
	Thorney Island	10	29.2	+2	NE	1	b	42	87	42	7	-	4	1	0	1	-
	Lympne ..	283	29.6	-2	S'E	1	b	42	82	40	8	-	-	1	0	Tr	-
	Manston ...	154	29.3	-6	S	2	b	40	85	38	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	28.2	-10	SSW	4	b	45	85	42	7	-	-	-	0	0	-
	Gorleston ...	5	27.9	-8	SSW	4	8	43	83	37	6	-	-	-	0	0	-
	Mildenhall ...	15	27.3	-2	SSW	2	8	44	85	38	6	-	-	-	0	0	-
	Cranwell ...	203	26.9	+6	W	3	8	48	65	38	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	28.3	+6	WSW	2	8	47	85	39	6	-	-	2	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29.8	+2	W	2	8	48	87	47	8	5	-	-	4-6	4-6	450
	Bristol ...	209	30.0	+6	-	0	bf	39	87	38	4	-	-	1	0	Tr	-
	Portland Bill ...	32	29.6	+2	S	1	bc	46	85	42	7	2	-	-	4-6	4-6	4000
	Plymouth ...	82	30.3	+2	NW'N	1	b	46	87	45	8	-	-	5	0	Tr	-
	The Lizard ...	240	30.7	+8	NW	3	bc	47	87	41	8	4	-	-	4-6	4-6	250
	Scilly (St. Mary's)	163	30.8	+4	WSW	2	b	47	87	47	8	-	4	-	0	Tr	-
	Guernsey ...	175															
6	Pembroke ...	142	29.4	+2	SW	3	bc	46	92	48	8	-	3	-	0	2-3	-
7	Holyhead (Valley)	32	27.3	-2	S	3	bc	49	85	46	7	-	4	5	0	2-3	-
	Chester (Sealand)	16	26.7	+6	WSW	1	8	52	85	44	6	5	-	6	1	7-8	5000
8	Manchester ...	235	27.4	0	SSE	2	c	48	60	35	6	-	7	-	0	0	-
10	Spurn Head ...	29	26.8	0	WNW	3	b	47	78	40	7	-	-	-	0	0	-
	Catterick ...	175	25.8	-2	-	0	8	43	85	35	6	-	-	1	0	1	-
	Tynemouth ...	108	25.2	-4	W	4	bc	51	85	44	6	-	3	-	0	2-3	-
11	St. Abbs Head	280	26.6	-2	W	6	c	53	65	32	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	22.5	-6	W	3	c	52	78	42	8	5	2	-	4-6	9+	2700
12	Renfrew (Abbotsl.)	19	29.5	-6	W	3	8	51	85	46	6	5	-	-	10	10	2200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	25.3	0	W'N	3	bc	48	82	46	7	5	*	*	4-6	4-6	6000
13A	Tiree	22	24.4	-4	WSW	4	c	51	85	45	7	5	7	-	9	10	1800
13B	Stornoway ...	80	18.0	-14	SW	6	c	52	85	48	7	5	7	-	4-6	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20.3	-14	WSW	2	8	54	75	44	8	5	2	-	4-6	10	4700
	Wick ...	114	18.2	-14	SW'W	3	c	50	85	47	7	5	7	-	4-6	10	4000
16	Sumburgh ..	19	12.7	-12	SW	7	8	47	87	46	6	5	-	-	10	10	1100
17	Blacksod Point	18	26.6	-6	S	3	bc	52	92	50	8	5	4	-	4-6	4-6	2500
18	Malin Head ...	84	25.4	-4	SW'W	3	c	50	92	48	8	6	2	-	4-6	10	2500
	Aldergrove ...	268	26.6	+2	SW'W	1	c	51	78	44	7	5	2	-	9	10	2100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.8	0	S'E	3	bc	50	92	48	9	5	-	-	2-3	2-3	1500
	Roches Point	22	28.9	+4	WSW	3	bc	53	85	49	8	5	-	-	4-6	4-6	1500

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

Stations	Barom. at M.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)	29.0	+2	WSW	1	8	47	85	43	6	-	-	-	0	0	-	9	*
Croydon ...	28.6	0	SSE	2	8	47	87	43	6	-	-	5	0	1	-	0	*
S. Farnborough	29.1	+2	-	0	8	42	87	41	6	-	-	5	0	4-6	-	1	*
Boscombe Down	29.6	+2	NW	2	8	44	85	39	6	5	-	6	Tr	4-6	2200	0	*
Thorney Island	29.5	+2	-	0	cF	45	87	45	1	5	-	9	9+	10	800	1	*
Lympne ..	29.4	-2	SSW	1	bc	46	85	42	7	-	-	1	0	2-3	-	0	2
Manston ...	28.7	+2	WSW	2	8	47	73	40	6	-	-	1	0	Tr	-	0	*
Shoeburyness ...	28.2	+6	W	3	b	48	85	43	6	-	4	-	0	1	-	0	*
Felixstowe ...	27.9	+2	WNW	3	8	47	85	41	5	-	-	-	0	0	-	0	2
Gorleston ...	26.9	+2	W'N	3	8	42	75	36	6	5	-	8	0	4-6	-	0	2
Mildenhall ...	27.4	+4	WSW	2	8	48	65	38	6	-	7	1	0	9+	-	0	*
Cranwell ...	26.5	+4	WSW	4	8	50	65	38	6	-	7	6	0	9+	-	0	*
Birmingham ...	27.8	0	SW	3	c	50	55		8	-	-	6	0	7-8	-	0	*
Upper Heyford	28.4	+2	SSW	1	8	47	65	36	6	-	-	8	0	7-8	-	0	*
Ross-on-Wye	28.3	-4	WSW	2	8	46	75	38	5	-	-	2	0	7-8	-	0	*
Hartland Point	29.1	-2	W	3	c	48	82	44	8	4	4	-	4-6	10	500	0	3
Bristol ...	29.7	+2	W	2	8	48	85	45	6	5	-	6	9	9+	800	0	*
Portland Bill ...	29.3	-4	WNW	1	bc	49	82	47	7	2	-	-	4-6	4-6	4000	0	2
Plymouth ...	30.6	+2	NNW	1	c	42	87	42	4	5	-	-	9+	9+	300	0	2
The Lizard ...	30.2	-2	-	0	bf	46	87	46	2	5	-	-	10	10	400	1	3
Scilly (St. Mary's)	29.3	-6	SSW	3	bc	49	87	48	6	5	4	2	1	4-6	800	0	2
Guernsey ...																	
Pembroke ...	28.3	+2	WSW	4	c	49	87	47	7	8	8	-	4-6	7-8	3000	0	2
Holyhead (Valley)	27.1	+2	SSW	3	bf	50	87	49	8	5	4	-	9	9+	1000	0	3
Chester (Sealand)	26.5	+6	-	0	c	53	70	44	7	-	-	8	0	7-8	-	0	*
Manchester ...	27.0	+6	SSE	3	c	47	75	40	7	-	7	6	0	9+	-	0	*
Spurn Head ...	25.8	0	W'S	3	c	49	78	40	5	1	1	2	4-6	7-8	2500	0	2
Catterick ...	24.9	+2	SW	3	c	52	75	44	7	5	-	7	1	9+	4000	0	*
Tynemouth ...	24.2	-4	W	3	8	50	75	40	6	5	3	-	4-6	7-8	2500	0	3
St. Abbs Head	21.3	-8	W	3	c	50	92	48	7	5	-	-	10	10	2600	0	3
Leuchars ...	20.7	-8	W	4	c	52	75	44	8	5	7	-	4-6	9+	3500	0	*
Renfrew (Abbotsl.)	23.5	0	WSW	3	c	51	85	46	8	5	2	-	9+	10	1600	0	*
Eskdalemuir ...	23.7	0	SW'W	3	c	49	75	42	8	5	-	-	10	10	1100	0	*
Point of Ayre...	25.6	0	W'N	3	c	51	85	47	8	5	-	-	10	10	5000	0	2
Tiree	23.0	0	SW'W	3	8	50	87	48	6	5	-	-	10	10	800	0	4
Stornoway ...	18.0	0	SW	5	10	51	87	50	7	5	7	-	7-8	9+	2000	1	3
Dalwhinnie ...	20.5	-8	WSW	3	c	48	85	43	8	5	-	2	9	9+	1500	0	*
Aberdeen † ...	18.9	-6	NW'W	3	c	53	65	42	8	5	7	-	4-6	10	2200	0	1
Wick ...	15.8	-10	W'N	5	c	52	75	40	8	8	7	-	2-3	9+	4500	0	*
Sumburgh ..	10.8	-6	ESE	3	66	47	87	47	5	5	-	-	10	10	600	1	5
Blacksod Point	25.0	0	S'E	4	c	53	85	49	8	8	-	-	7-8	7-8	2500	0	3
Malin Head ...	23.7	-6	S	3	c	52	85	49	8	5	7	-	4-6	10	2500	0	2
Aldergrove ...	25.8	-2	SSW	2	c	52	85	40	8	5	4	8	2-3	7-8	1800	0	*
Birr Castle ...	23.9	+2	S	1	c	50	92	48	7	5	-	-	9	9	2500	0	*
Valentia Obsy.	27.4	+2	S'W	3	c	52	85	48	6	5	-	-	9+	9+	2500	0	3
Roches Point	28.0	0	WSW	1	c	49	87	48	8	5	-	-	7-8	7-8	1500	0	2

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 4th Hrs. (38)
London (Kew)	65	41	26	-	Tr	12.4
Croydon ...	64	41	38	-	0.1	11.6
S. Farnborough	67	36	26	-	-	12.9
Boscombe Down	66	37	27	-	Tr	12.9
Thorney Island	56	36	32	-	-	*
Lympne ..	51	35	28	-	-	10.5
Manston ...	51	39	36	-	-	7.3
Shoeburyness ...	53	43	37	-	-	11.0
Felixstowe ...	51	41	36	-	-	5.6
Gorleston ...	48	40	36	-	-	7.4
Mildenhall ...	61	41	30	-	-	9.6
Cranwell ...	63	41	29	-	-	11.6
Birmingham ...	65	48	29	-	-	13.0
Upper Heyford	65	43	35	-	-	*
Ross-on-Wye	69	39	31	-	-	13.5
Hartland Point	52	47	45	-	-	5.8
Bristol ...	65	38	28	-	-	13.4
Portland Bill ...	53	44	*	-	-	*
Plymouth ...	66	41	33	-	-	12.9
The Lizard ...	55	41	*	-	-	10.1
Scilly (St. Mary's)	67	45	*	-	-	11.5
Guernsey ...						
Pembroke ...	53	39	*	-	-	6.6
Holyhead (Valley)	58	47	42	-	-	*
Chester (Sealand)	59	45	35	-	-	13.4
Manchester ...	62	46	33	-	-	*
Spurn Head ...	50	49	*	-	-	8.4
Catterick ...	66	45	37	-	-	12.1
Tynemouth ...	49	46	43	-	-	*
St. Abbs Head	50	47	*	-	-	*
Leuchars ...	65	48	36	-	-	10.4
Renfrew (Abbotsl.)	64	50	43	-	Tr	9.3
Eskdalemuir ...	62	43	37	-	-	11.9
Point of Ayre...	58	46	*	-	-	12.0
Tiree	54	50	*	-	-	4.2
Stornoway ...	53	49	*	0.2	Tr	5.5
Dalwhinnie ...	60	46	44	-	-	9.4
Aberdeen † ...	52	44	41	-	Tr	9.8
Wick ...	53	43	42	-	0.6	*
Sumburgh ..	50	42	40	1	11	1.4
Blacksod Point	57	50	*	Tr	-	*
Malin Head ...	56	45		-	0.1	
Aldergrove ...	66	50	46	-	-	7.9
Birr Castle ...	68	41	35	-	-	8.7
Valentia Obsy.	61	49	42	-	Tr	11.2
Roches Point	59	48	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 57	02851	18426	02	02878	30428
115 51	02954	20328	52	02845	20428
203 56	01842	16414	5-	02848	16408
206 53	02963	08427	57	02767	08268
210 53	02961	06216	57	01854	06328
220 52	03735	17418			
230 14	01861	19314	5-	02857	18257
245 14	02962	15416	44	01761	08124
260 00	00790	28101	00	01890	26110
276 00	02820	32116	03	01890	20314
279 00	05690	21404	03	01790	20513
285 10	00862	28402			
288 10	00751	00001	07	47390	28127
575 10	00952	27313	14	00851	26203
301 00	00790	25301	00	00790	24223
321 00	05690	16300			
299 00	05690	32310	57	01853	10204
292 00	05690	12200	57	05662	12318
310					
614 00	05620	20200	00	05690	26214

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 62	62648	36768	62	03637	36768
115 --	67203	20463	52	09735	31568
203					
206 52	02863	22323	57	02864	22425
210 52	02754	53423	57	02863	20327
220			52	03634	22328
230 62	51824	51825	60	02728	19328
245 5-	01775	22215	57	02754	22228
260 57	05664	18116	5-	02758	22368
276 57	02764	26117	5-	02857	20127
279 5-	01764	20424	52	05665	12418
285			5-	03748	24328
288 00	05690	18113	00	02790	18224
575 5-	02748	27328	57	01857	00027
301 50	05664	28116	07	02790	22327
321 00	05590	20113	07	05590	25220
299 00	00790	10200	53	02754	24315
292 00	05590	00013	54	02761	22327
310			--	01624	24212
614 00	05690	00003	00	06590	24114

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 00	00890	28201	00	00990	18300
334 --	00790	06241			
340 00	00890	30300	00	01890	30304
136 10	01853	30114	03	01890	17302
336 04	01790	28408	04	01790	26401
350 10	00751	28101	00	05690	26134
368 10	00761	22301	5-	09428	24208
379 10	00861	24201	00	00890	30102
390 10	01754	26214	00	00690	14200
382 00	00890	26200	10	00872	31203
438 00	00790	18200			
430 40	00861	14301	40	00741	18202
409 50	01833	24343	50	02826	27217

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 5-	02737	14227	5-	51508	14258
334			--	02635	26216
340 03	01790	15115	00	02890	22215
136 00	00790	20210	07	05690	22216
336 04					
350 00	05690	21212	07	05690	20318
368 5-	08428	24248	5-	02848	25328
379 00	05690	00014	00	02790	28215
390 00	08490	21210	00	08490	24100
382 00	05690	00002	00	05690	00003
438			--	49109	24409
430 00	00790	32102	--	48109	22149
409 5-	02737	20227			

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 May
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 4th. Min. Time 4th.
Kew	bzy	bzby	bybc	
Croydon ...	bzbzy	bzoyb	bzobzo	
Greenwich ...	bzy	bcby	bcbzy	
Camden Square	b	b	*	
Kensington ...	b	bz	*	
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	41	26	-	Tr	12.4	*	*
Croydon ...	64	41	38	-	0.1	11.6	*	*
Greenwich ...	64	40	25	-	-	11.8	30	45
Westminster ...	66	43	37	-	-		47	65
Regents Park ...	67	44	40	-	-		53	58
Camden Square	68	44	38	-	-	*	*	50
Kensington ...	66	43	36	-	-		37	56
Hampstead ...	65	40	38	-	-		*	59

SECRET

Page 1

BRITISH SECTION

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

Wednesday 6th May 1942

No. 29385.

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

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. (8)	Dew Point. °F. (9)	Visibility. 0–9 (10)	Cloud. Form. Low. (11)	Cloud. Form. Med. (12)	Cloud. Form. High (13)	Cloud. Amount. Low 0–10 (14)	Cloud. Amount. Total 0–10 (15)	Height of Base (feet) (16)
1	London (Kew)	26·6	-16	SW	3	c	66	25	32	8	–	–	6	0	9+	–	
	Croydon ...	27·0	-10	WSW	3	c	68	25	31	8	–	–	6	0	10	–	
	S. Farnborough	27·7	-8	SW'S	4	c	69	35	37	8	–	–	6	0	9	–	
	Boscombe Down	27·9	-14	W'N	4	bc	65	35	33	8	–	–	6	0	4-6	–	
	Thorney Island	28·5	-10	SW	4	c	65	45	40	8	–	–	6	0	7-8	–	
	Lympne ...	28·0	-10	SSE	1	bc	57	75	49	8	–	–	6	0	4-6	–	
	Manston ...	27·1	-10	SW	3	z_0	68	35	36	6	1	–	2	2-3	4-6	3500	
2	Shoeburyness ...	26·9	-6	W'S	3	c	69	35	38	7	–	–	6	0	9	–	
	Felixstowe ...	26·3	-10	W	4	c	65	(55)	(46)	7	1	–	8	Tr	9	2500	
	Gorleston ...	25·5	-6	NW'N	4	c	70	25	36	7	1	–	–	7-8	7-8	1600	
	Mildenhall ...	26·0	-6	WSW	4	c	69	35	39	7	–	–	6	0	9+	–	
	Cranwell ...	25·0	-10	W'S	4	c	68	45	45	7	5	9	8	Tr	9	4000	
3	Birmingham ...	26·2	-4	WSW	3	c	65	35	37	8	7	2	2	1	7-8	5700	
	Upper Heyford	26·2	-14	SW'W	3	c	67	35	35	7	–	–	8	0	7-8	–	
4	Ross-on-Wye	26·6	-12	W'S	3	bc	66	45	44	8	1	–	6	Tr	4-6	4000	
5	Hartland Point	29·5	-4	W	3	c	51	85	45	8	5	–	–	7-8	7-8	1500	
	Bristol ...	28·8	-10	W	4	c	62	65	49	8	–	–	2	0	7-8	–	
	Portland Bill ...	29·1	-6	SW	2	bc	50	85	46	7	2	–	–	4-6	4-6	4000	
	Plymouth ...	30·1	-2	SSW	3	bc	56	85	50	8	1	–	2	Tr	2-3	1500	
	The Lizard ...	30·1	-6	SSW	2	bc	53	85	49	8	8	4	–	2-3	4-6	2500	
	Scilly (St. Mary's)	30·2	+2	E'S	2	c/f	54	85	50	6	8	–	–	7-8	7-8	500	
	Guernsey ...																
6	Pembroke ...	29·8	0	SW'W	4	bc	53	75	46	8	8	4	1	4-6	4-6	2500	
7	Holyhead (Valley)	26·5	-8	S	4	cjf	55	85	49	4	5	–	4	4-6	9+	<150	
	Chester (Sealand)	26·4	-2	NW	4	c	59	65	49	8	5	–	7	7-8	9+	3500	
8	Manchester ...	21·1	-26	NW'W	3	c	60	65	46	7	2	1	2	7-8	10	2500	
10	Spurn Head ...	24·7	+16	NW	4	c	57	75	47	5	8	3	–	7-8	9+	2500	
	Catterick ...	24·7	0	WSW	4	c	58	65	46	7	5	2	7	2-3	10	2500	
	Tynemouth ...	23·7	+4	W	5	c	60	85	56	7	8	–	–	9	9	2200	
11	St. Abbs Head	20·4	-6	W	5	c	57	92	55	8	5	2	–	7-8	10	2500	
	Leuchars ...	19·8	-4	W	6	c	59	55	45	8	5	7	–	7-8	10	3500	
12	Renfrew (Abbots I.)	22·5	-6	W'S	4	c	55	75	47	8	5	–	–	9+	9+	2000	
	Eskdalemuir ...	22·4	-6	SW	4	c	55	65	45	8	5	–	–	10	10	1800	
	Point of Ayre ...	25·1	-8	W'N	5	c	64	55	49	8	1	4	5	2-3	7-8	2500	
13A	Tiree ...	22·5	-4	SW'W	4	c	52	85	49	7	5	–	–	9+	9+	1400	
13B	Stornoway ...	16·8	-8	SSW	6	c	55	75	47	8	5	1	–	9	10	2000	
15	Dalwhinnie ...	18·0	-4	WSW	4	c	53	65	42	8	5	–	–	9+	9+	2500	
	Aberdeen ...	17·4	-2	WNW	4	c	59	55	42	8	5	7	–	1	10	3500	
	Wick ...	16·0	-4	W	6	i_0	55	75	47	8	5	7	–	7-8	9+	1500	
16	Sumburgh ...	10·6	0	W	7	z_0	49	97	46	6	6	–	–	10	10	800	
17	Blacksod Point	24·2	-8	S'W	4	c	56	65	45	8	8	–	–	9	9	2500	
18	Malin Head ...	22·9	-6	WSW	3	c	54	75	47	8	5	7	–	1	9	2500	
	Aldergrove ...	24·8	-6	SW	3	c	57	65	47	8	8	–	–	9+	9+	3000	
19	Birr Castle ...	26·2	-6	SSW	2	bc	62	55	46	8	5	–	–	4-6	4-6	2500	
20	Valentia Obsy.	26·9	+2	S	5	bc	60	65	48	9	1	4	1	Tr	2-3	2500	
	Roches Point	28·1	-2	SW	3	bc	57	85	52	9	1	–	5	1	4-6	4000	

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

District	Stations	Barom. at M.S.L. mb. (17)	Change in 3 hours. (18)	Wind. Direc. (19)	Wind. Force 0–12 (20)	Weather. (21)	Temp. °F. (22)	% Humid. (23)	°F. (24)	Dew Point. °F. (25)	Visibility. 0–9 (26)	Cloud. Form. Low. (27)	Cloud. Form. Med. (28)	Cloud. Form. High (29)	Cloud. Amount. Low 0–10 (30)	Cloud. Amount. Total 0–10 (31)	Height of Base (feet) (32)	State of Ground. 0–9 (33)	Sea. 0–9 (34)
1	London (Kew)	25·7	-6	W'S	3	c	66	35	35	8	–	–	8	0	9	–		0	•
	Croydon ...	25·9	-2	W	2	c	66	35	38	8	–	–	6	0	9	–		0	•
	S. Farnborough	26·2	-4	W'N	3	c	65	35	36	8	–	–	4	0	7-8	–		0	•
	Boscombe Down	27·2	-6	W'N	3	c	62	45	41	8	–	–	6	0	7-8	–		0	•
	Thorney Island	27·1	-8	WSW	3	c	59	55	44	8	–	–	9	0	9+	–		0	•
	Lympne ...	26·5	-10	SSW	1	c	55	65	45	8	–	–	7	0	10	–		0	3
	Manston ...	25·4	-8	SW'S	3	z_0	62	45	42	6	–	7	7	0	10	–		0	•
2	Shoeburyness ...	25·2	-10	W'S	2	c	67	35	35	7	–	9	6	0	9	–		0	•
	Felixstowe ...	25·0	-4	W	3	c	65	35	36	7	–	7	8	0	9+	–		0	2
	Gorleston ...	23·7	-12	WNW	2	c	68	15	12	7	5	–	–	10	10	1600		0	2
	Mildenhall ...	24·2	-4	WSW	3	c	69	35	36	8	–	7	2	0	9	–		0	•
	Cranwell ...	23·9	-2	W	5	bc	65	55	49	7	5	–	1	2-3	4-6	4000		0	•
3	Birmingham ...	25·4	0	WNW	3	bc	61	55	45	8	–	–	2	0	4-6	–		0	•
	Upper Heyford	25·1	-2	WSW	4	c	65	55	47	7	1	–	8	Tr	7-8	2500		0	•
4	Ross-on-Wye	25·7	-6	WSW	3	bc	62	55	45	8	–	–	2	0	4-6	–		0	•
5	Hartland Point	28·3	-6	W	3	bc	52	75	43	8	–	–	2	0	2-3	–		0	3
	Bristol ...	27·1	-10	W	3	bc	59	65	45	8	–	–	5	0	4-6	–		0	•
	Portland Bill ...	28·4	-2	SW	3	bc	51	85	47	7	2	–	–	2-3	2-3	4000		0	2
	Plymouth ...	28·6	-8	SSW	3	bc	52	85	48	8	–	–	8	0	4-6	–		0	2
	The Lizard ...	28·6	-10	–	0	fs	54	85	50	7	8	6	–	4-6	4-6	2500		0	2
	Scilly (St. Mary's)	28·5	-12	SE'S	2	bf+	48	97	47	3	–	–	1	0	1	<150		0	2
	Guernsey ...																		
6	Pembroke ...	28·2	-6	SW	3	bc	51	97	50	7	1	7	1	1	2-3	3000		0	2
7	Holyhead (Valley)	25·3	-12	SSW	4	c	52	75	46	8	5	–	8	Tr	7-8	3000		0	2
	Chester (Sealand)	25·3	-8	W'S	3	c	64	55	49	8	–	–	6	0	9	–		0	•
8	Manchester ...	25·1	-4	W'N	4	c	58	75	50	6	4	6	–	7-8	9	4000		0	•
10	Spurn Head ...	23·8	-8	WNW	4	z_0	56	75	47	6	2	8	2	4-6	7-8	2500		0	3
	Catterick ...	23·8	-12	SW	2	c	55	75	45	7	5	7	–	2-3	10	2000		0	•
	Tynemouth ...	23·0	-4	W	3	c	59	65	46	7	8	–	–	9+	9+	2500		0	3
11	St. Abbs Head	19·0	-8	W	4	c	57	65	45	8	5	2	–	7-8	10	2500		0	4
	Leuchars ...	19·0	-2	W	5	c	57	55	42	8	5	7	–	4-6	9+	3500		0	•
12	Renfrew (Abbots I.)	21·2	-6	WNW	4	c	55	65	44	7	5	7	–	7-8	9	2000		0	•
	Eskdalemuir ...	21·6	-8	SW	5	c	54	75	46	8	5	–	–	10	10	1500		0	•
	Point of Ayre ...	23·6	-12	W	4	bc	62	65	49	8	4	4	4	Tr	4-6	4000		0	3
13A	Tiree ...	21·1	-10	SW'W	4	c	52	85	48	7	5	–	–	9+	9+	2500		0	5
13B	Stornoway ...	13·8	-20	SSW	6	pr	51	92	48	7	5	2	–	9	10	1500		1	3
15	Dalwhinnie ...	18·0	-6	SW	3	c	48	85	43	7	5	–	–	10	10	1500		0	•
	Aberdeen ...	16·9	-4	W'N	3	c	59	55	41	8	5	7	–	1	10	3500		0	1
	Wick ...	15·6	-4	W	5	c	54	85	49	8	5	–	–	10	10	2500		0	•
16	Sumburgh ...	10·4	+2	W	6	rr	47	97	47	5	6	–	–	10	10	500		1	5
17	Blacksod Point	22·6	-14	S'W	5	c	54	75	47	8	8	–	6	4-6	9+	2500		0	4
18	Malin Head ...	20·2	-10	SW	4	c	55	75	48	8	6	2	–	2-3	7-8	4000		0	3
	Aldergrove ...	22·9	-14	WSW	3	c	60	55	44	8	1	4	8	2-3	9	3000		0	•
19	Birr Castle ...	24·4	-2	WNW	3	c	65	45	44	7	–	–	5	0	7-8	–		0	•
20	Valentia Obsy.	24·8	-14	S	5	bc	57	65	45	9	–	4	1	0	2-3	–		0	3
	Roches Point	26·7	-12	S	3	bc	54	85	50	8	–	–	5	0	4-6	–		0	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 5th (39)	Weather. 13h.—18h. 5th (40)	Weather. 18h. 5th to 1h. 6th (41)	Weather. 1h.—7h. 6th (42)
1	London (Kew)	om_0z_0cy	cy	cbcy	bcycz$_0$
	Croydon ...	bcz_0c	cy	cybcz$_0$y	bcz$_0$cy
	S. Farnborough	bz_0bcc	cy	cy	c
	Boscombe Down	bc	bcy	bc	bc
	Thorney Island	$Fbcm_0cy$	cy	cybbc	bcfybc
	Lympne ...	bz_0bbc	bcm_0c	cb	bbc
	Manston ...	bybcz$_0$	bccz$_0$y	cz$_0$ybz_0	bccz$_0$
2	Shoeburyness ...	bm_0bm_0cy	cy	bc	cbbcz$_0$
	Felixstowe ...	bm_0cy	cybcycy	cbcbm$_0$c	cm$_0$
	Gorleston ...	bcz_0ybcy	cy	cbcz$_0$	bcz$_0$
	Mildenhall ...	bcycy	cy	cybcbcy	bm$_0$cm$_0$c
	Cranwell ...	cz$_0$y	cbcy	bcybm$_0$z$_0$	bccz$_0$
3	Birmingham ...	cbc	bc	bcc	c
	Upper Heyford	bcz_0cy	bccbcy	bcz$_0$	bcm$_0$cm$_0$
4	Ross-on-Wye	cbcy	bcy	bc	bcbw
5	Hartland Point	c	cbc	bcb	cbcy
	Bristol ...	cbc	bccbc	bccbcm$_0$	bcjf
	Portland Bill ...	cbc	bc	bcbc	cbc
	Plymouth ...	cmbcm$_0$	bc	bcbm$_0$	bcm$_0$jf
	The Lizard ...	cbc	bcff	bcw	bc
	Scilly (St. Mary's)	bcoffc	bcbf	fFFe	bc
	Guernsey ...				
6	Pembroke ...	cbc	bc	bccf	bifbcw
7	Holyhead (Valley)	cjf	cifbc	cbcbw	bcwc
	Chester (Sealand)	bcc	cy	cybc	bccz$_0$y
8	Manchester ...	cz_0c	cz$_0$	cz$_0$m$_0$	qbc
10	Spurn Head ...	cm_0	cm_0	b	cz$_0$
	Catterick ...	cjf	c	c	c
	Tynemouth ...	cm_0c	c	com$_0$o	ocq
11	St. Abbs Head	c	c	cbcc	cbc
	Leuchars ...	ccy	cy	c	cbcy
12	Renfrew (Abbots I.)	c	c	cbcc	cz$_0$by
	Eskdalemuir ...	c	c	c	cbc
	Point of Ayre ...	cbccy	cbc	bcb	qbbccy
13A	Tiree ...	c	c	cbc	bcc
13B	Stornoway ...	cirpr	cpr	crr	crr
15	Dalwhinnie ...	c	co	*	obc
	Aberdeen ...	cy	by	c	cy
	Wick ...	cir_0	c	cir$_0$bc	bcir$_0$
16	Sumburgh ...	cmp	crrm$_0$	crrm$_0$	cr$_0$r$_0$r$_0$dm
17	Blacksod Point	c	c	b	b
18	Malin Head ...	c	c	c	bc
	Aldergrove ...	c	cy	bc	bcc,b
19	Birr Castle ...	c	bc	•	b
20	Valentia Obsy.	bc	bc	bc	b
	Roches Point	bc	b	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 6th May

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light to moderate west to southwest wind. Fair or fine; rather warm during day.
5 S.W. England 6 South Wales	Light or moderate south to southwest wind. Fair or fine, apart from fog patches on coast. Rather warm during day.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate or fresh west to southwest wind, strong at exposed places. Variable cloud; average temperature or rather warm.
13A W. Scotland ...	Fresh west to southwest wind, strong to gale at exposed places. Cloudy; occasional rain, average temperature.
13B N.W. Scotland ↓	As 15
14 Mid Scotland	As 13A
15 N.E. Scotland ↓	Fresh or strong west wind, gale at exposed places, becoming northeast in extreme North. Cloudy; rain at times. Average temperature in South, becoming rather cold in the North.
16 Orkneys and Shetlands ↓	Strong west wind, gale at exposed places, veering northeast. Cloudy; rain at times; becoming rather cold.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

An anticyclone centred south of the British Isles is receding southeastwards. A depression which is developing north of Scotland will later move eastwards while an associated trough swings southwards. Rain will spread from Northern to Central Scotland. Elsewhere, weather will be fair or fine, though with some fog patches in West and Southwest coastal districts. In most districts there will be average night temperatures but rather high day temperatures. In Northern Scotland it will become rather cold later.

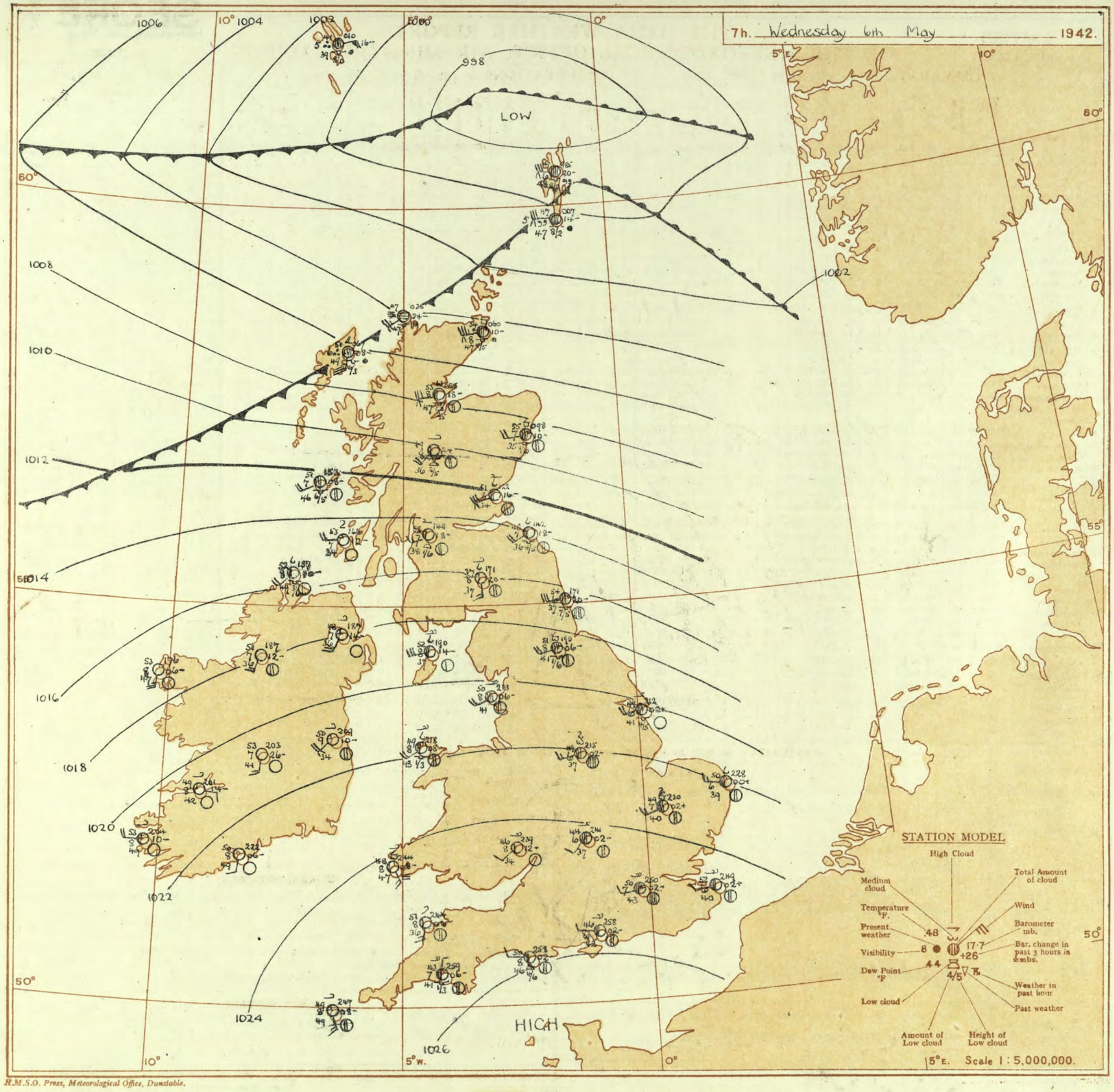
FURTHER OUTLOOK

Fair and warm in extreme South. Cloudy weather with rain spreading slowly south over Scotland and North England. Cold in North Scotland.

↓ Gale warning in operation in districts 13B, 15 (part of) and 16. Time of issue 2000 G.M.T. 5.5.42.

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.

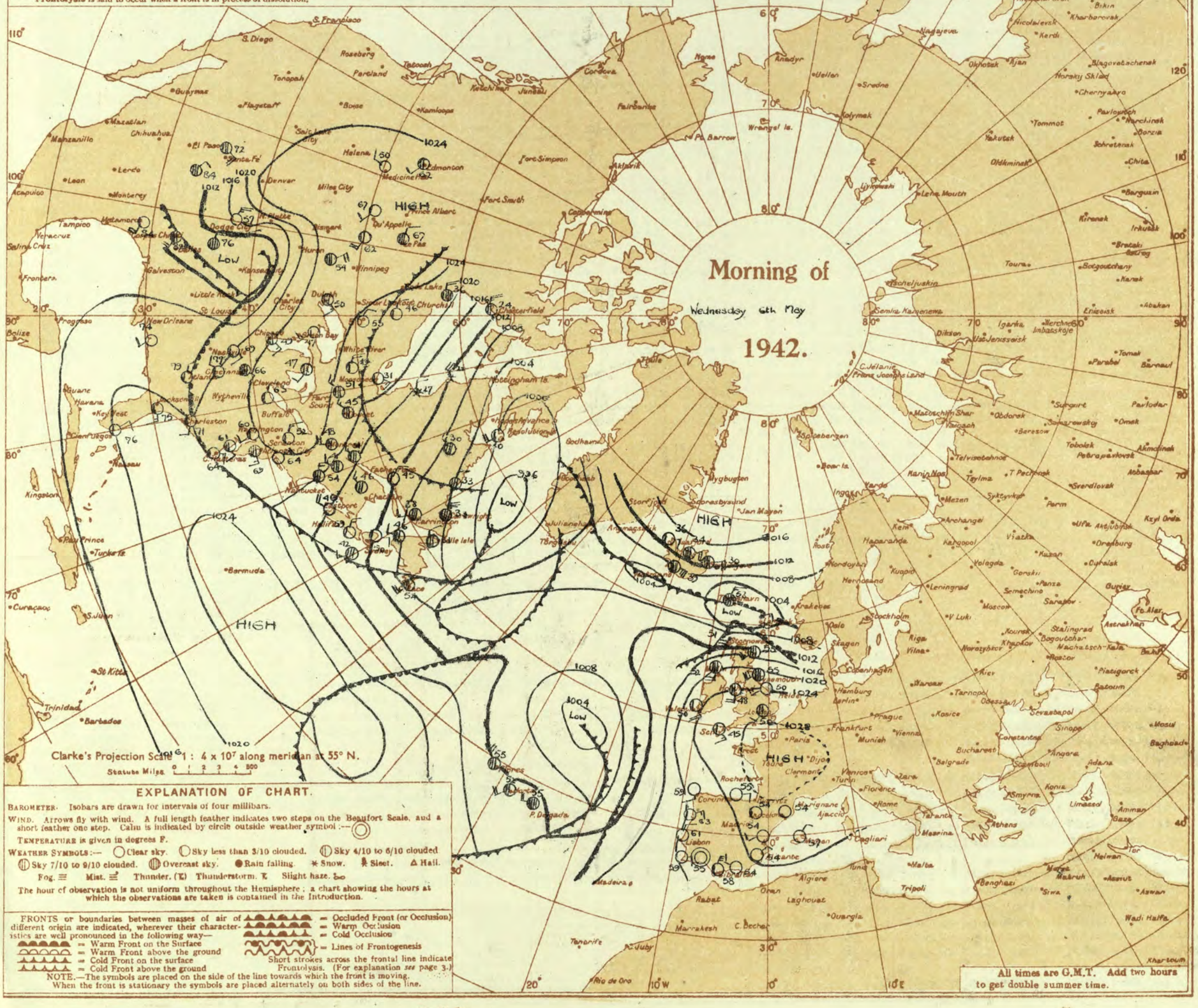
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

BRITISH SECTION

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

Wednesday 6th May 1942

No. 29385.

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26.0	-2	SW'S	2	bc	50	85	45	6	-	-	5	0	4-6	-
	S. Farnborough	226	26.2	-6	W'S	1	c	47	65	36	8	-	-	8	0	9	-
	Boscombe Down	417	27.2	-6	W	2	c	43	75	36	8	-	7	2	0	7-8	-
	Thorney Island	10	26.6	-6	WNW	2	bc	43	87	42	7	-	-	2	0	2-3	-
	Lympne ...	283	25.8	-6	SSW	2	bc	44	75	38	7	-	-	1	0	2-3	-
	Manston ...	154	25.2	-6	WSW	2	ζ	48	65	38	6	-	-	6	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24.2	-6	W'S	2	ζ	52	80	47	6	-	7	2	0	7-8	-
	Gorleston ...	5	23.0	+2	W	2	ζ	53	65	42	5	5	-	-	4-6	4-6	1500
	Mildenhall ...	15	24.3	-2	WSW	2	ζ	48	45	27	6	-	7	5	0	4-6	-
	Cranwell ...	203	23.3	-8	WSW	4	ζ	47	65	37	6	-	7	.	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25.2	-6	W	1	ζ	46	85	41	6	-	7	6	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26.6	-6	S'W	3	b	46	75	38	8	•	•	-	0	0	-
	Bristol ...	209	27.1	-10	-	0	ζ	48	87	42	6	-	7	1	0	4-6	-
	Portland Bill ...	32	27.3	-8	W	2	bc	48	80	44	7	5	-	-	4-6	4-6	2500
	Plymouth ...	82	27.8	-6	-	0	ζ	42	87	42	5	-	-	-	0	0	-
	The Lizard ...	240	27.6	-10	S'E	1	bc	45	87	45	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	26.9	-12	SSE	3	bc4	45	87	45	6	5	-	3	1	2-3	500
	Guernsey ...	175															
6	Pembroke ...	142	26.5	-6	S	3	bf-	47	87	47	2	-	-	-	0	0	-
7	Holyhead (Valley)	32	23.8	-10	S'W	3	bc	48	82	46	7	-	-	1	0	4-6	-
	Chester (Sealand)	16	23.5	-8	SW	3	bc	50	65	39	8	-	4	1	0	2-3	-
8	Manchester ...	235	23.0	-6	S'W	3	c	45	85	40	6	-	7	-	0	7-8	-
10	Spurn Head ...	29	22.0	-6	WSW	3	ζ	50	85	46	5	-	-	-	0	0	-
	Catterick ...	175	20.0	-14	WSW	3	c	50	85	46	7	5	7	-	1	10	4000
	Tynemouth ...	108	18.5	-18	WSW	6	o	55	75	47	6	5	-	-	10	10	1500
11	St. Abbs Head	280	16.0	-14	W	5	c	53	75	44	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	16.4	-14	W	4	c	50	75	43	8	-	7	-	0	10	-
12	Renfrew (Abbotsinch)	19	18.5	-14	S	1	ζ	45	87	42	6	5	-	8	Tr	2-3	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	21.8	-4	W'N	3	b	47	75	39	8	4	-	-	1	1	4000
13A	Tiree	22	18.3	-4	WSW	4	bc	50	92	48	7	5	-	-	4-6	4-6	2500
13B	Stornoway ...	80	08.8	-30	SSW	6	rr	51	92	49	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12.7	-18	WSW	3	c	53	65	42	8	-	7	-	0	9+	-
	Wick ...	114	09.7	-18	SW'W	6	c	51	85	47	8	5	-	-	7-8	7-8	4000
16	Sumburgh ..	19	04.4	-32	W	7	rr	47	87	47	5	6	-	-	10	10	500
17	Blacksod Point	18	20.5	-10	S'W	5	b	52	75	45	8	5	-	-	1	1	2500
18	Malin Head ...	84	19.0	-8	S'W	4	c	52	55	37	8	4	-	-	7-8	7-8	2500
	Aldergrove ...	268	21.7	-6	SW	3	bc	49	65	38	7	5	-	2	1	4-6	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.8	-10	S'E	4	b	50	75	43	8	-	4	-	0	Tr	-
	Roches Point	22	24.8	-10	S	2	b	49	87	48	8	5	-	-	1	1	2500

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

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)	24.0	-2	WSW	2	ζ	48	85	37	6	-	-	6	0	9	-	0	*
	Croydon ...	25.0	-2	WSW	2	c	50	85	38	7	-	-	2	0	9+	-	0	*
	S. Farnborough	25.3	0	WSW	1	c	45	85	36	9	-	-	5	0	7-8	-	0	*
	Boscombe Down	25.8	-6	-	0	c	44	85	38	8	-	-	2	0	9	-	0	*
	Thorney Island	25.8	-2	WNW	1	ζ	46	85	42	6	-	-	2	0	7-8	-	0	*
	Lympne ...	25.4	+4	WNW	1	c	50	85	38	7	-	-	2	0	9	-	0	3
	Manston ...	24.9	+2	WSW	2	ζ	52	85	40	6	-	-	2	0	7-8	-	0	*
2	Shoeburyness ...	24.3	+4	WSW	3	bc	51	85	40	6	-	4	2	0	4-6	-	0	*
	Felixstowe ...	23.8	0	W	3	ζ	50	85	45	6	-	-	6	0	9+	-	0	2
	Gorleston ...	22.8	0	WNW	3	ζ	50	65	39	6	-	-	1	0	4-6	-	0	2
	Mildenhall ...	23.0	+2	WSW	3	c	49	75	40	7	-	7	6	0	7-8	-	0	*
	Cranwell ...	22.1	-2	WSW	4	ζ	49	85	37	6	-	4	6	0	9	-	0	*
3	Birmingham ...	23.4	-4	SW	2	c	48	85	38	8	-	-	2	0	7-8	-	0	*
	Upper Heyford	24.1	-2	SW'S	2	ζ	44	75	37	6	-	-	8	0	7-8	-	0	*
4	Ross-on-Wye	23.9	-12	SW'S	2	bc	46	65	35	8	-	-	2	0	2-3	-	0	*
5	Hartland Point	24.4	-6	SSW	3	bc	51	85	36	8	-	-	4	0	2-3	-	0	2
	Bristol ...	25.7	-6	W	1	bcjf	42	97	41	6	1	-	2	Tr	2-3	2500	0	*
	Portland Bill ...	25.8	-2	WNW	2	bc	50	85	46	8	2	-	-	4-6	4-6	4000	0	2
	Plymouth ...	26.9	-6	NNE	1	bdjf	48	82	41	7	5	-	2	Tr	4-6	800	0	2
	The Lizard ...	25.1	-4	SE	3	bc	50	87	48	8	4	-	-	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	24.7	-8	S'E	3	b	49	87	48	8	-	-	1	0	Tr	-	0	2
	Guernsey ...																	
6	Pembroke ...	24.4	-8	SSE	3	bc	48	87	47	8	-	7	1	0	2-3	-	0	2
7	Holyhead (Valley)	21.8	-8	SW	4	bc	49	85	43	8	5	4	2	Tr	4-6	700	0	3
	Chester (Sealand)	21.6	-8	-	0	c	51	85	35	8	-	-	8	0	7-8	-	0	*
8	Manchester ...	22.3	-4	S'E	3	c	45	75	36	7	5	-	9	1	7-8	5700	0	*
10	Spurn Head ...	21.2	+2	WSW	4	c	49	75	41	6	5	-	8	4-6	7-8	2500	0	3
	Catterick ...	19.0	-6	WSW	4	c	51	85	41	8	6	7	-	Tr	9+	3000	0	*
	Tynemouth ...	17.1	-20	W	6	c	54	85	37	6	5	-	-	9+	9+	2500	0	4
11	St. Abbs Head	14.2	-18	SW	4	bc	48	85	36	7	5	4	-	4-6	4-6	2500	0	4
	Leuchars ...	12.2	-16	WSW	6	bc	51	85	34	8	-	4	5	0	4-6	-	0	*
12	Renfrew (Abbotsinch)	14.8	-18	SW'W	3	bc	52	85	38	7	2	-	5	Tr	2-3	4000	0	*
	Eskdalemuir ...	17.1	-20	S	3	bc	37	75	27	8	-	4	1	0	2-3	-	0	*
	Point of Ayre...	19.0	-14	W'S	6	bc	52	85	37	8	-	4	2	0	4-6	-	0	*
13A	Tiree	15.3	-8	WSW	4	c	51	85	46	7	5	-	-	9	9	2100	0	2
13B	Stornoway ...	06.7	-8	SSW	7	rr	51	92	49	6	5	2	-	9	10	1000	1	3
15	Dalwhinnie ...	11.3	-24	SW	4	bc	49	65	36	8	7	-	1	1	2-3	2500	0	*
	Aberdeen † ...	09.8	-10	W'S	4	c	55	45	35	7	5	7	-	Tr	9+	3600	0	2
	Wick ...	06.0	-10	W'S	7	ig	54	75	47	8	5	7	-	4-6	9	2200	0	*
16	Sumburgh ..	00.7	-14	W	6	dod	47	87	47	5	6	-	-	10	10	300	1	5
17	Blacksod Point	17.6	-6	SSW	5	b	53	85	45	8	-	-	-	0	0	-	0	4
18	Malin Head ...	15.7	-10	SW'S	4	bc	52	65	41	8	5	4	-	2-3	2-3	4000	0	3
	Aldergrove ...	18.7	-14	SW'S	4	b	48	65	36	7	-	-	1	0	1	-	0	*
19	Birr Castle ...	20.3	-26	SSW	3	b	53	65	42	7	-	-	-	0	0	-	0	*
20	Valentia Obsy.	20.4	-10	W'N	4	b	53	85	43	8	-	-	1	0	Tr	-	0	3
	Roches Point	09.2	-6	SSW	2	b	50	87	49	8	-	-	-	0	0	-	0	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
1	London (Kew)	69	46	35	-	-	11.4
	Croydon ...	69	44	38	-	-	11.0
	S. Farnborough	70	36	21	-	-	11.7
	Boscombe Down	67	37	24	-	Tr	12.1
	Thorney Island	66	39	29	-	-	*
	Lympne ...	60	39	32	-	-	8.8
	Manston ...	69	43	39	-	-	8.2
2	Shoeburyness ...	71	45	36	-	-	9.7
	Felixstowe ...	72	45	40	-	-	9.4
	Gorleston ...	70	45	39	-	-	7.0
	Mildenhall ...	71	43	30	-	-	9.0
	Cranwell ...	69	45	39	-	-	11.6
3	Birmingham ...	67	45	39	-	-	10.8
	Upper Heyford	69	39		-	-	*
4	Ross-on-Wye	68	37	25	-	-	11.5
5	Hartland Point	54	45	40	-	-	10.0
	Bristol ...	62	37	23	-	-	12.0
	Portland Bill ...	52	42	*	-	-	*
	Plymouth ...	56	35	34	-	-	12.0
	The Lizard ...	56	44	*	-	-	9.6
	Scilly (St. Mary's)	55	43	*	-	Tr	8.5
	Guernsey ...						
6	Pembroke ...	54	38	*	-	-	9.2
7	Holyhead (Valley)	56	47	42	-	-	*
	Chester (Sealand)	64	46	37	-	-	7.8
8	Manchester ...	63	41	35	-	-	*
10	Spurn Head ...	61	45	*	-	-	6.2
	Catterick ...	61	48	44	-	-	2.5
	Tynemouth ...	60	52	47	-	-	*
11	St. Abbs Head	57	43	*	-	-	*
	Leuchars ...	59	48	45	-	-	0.1
12	Renfrew (Abbotsinch)	61	43	31	-	-	0.9
	Eskdalemuir ...	57	36	31	-	-	0.0
	Point of Ayre...	65	44	*	-	-	3.4
13A	Tiree	54	50	*	-	-	0.0
13B	Stornoway ...	56	48	*	0.1	6	0.0
15	Dalwhinnie ...	57	44	37	-	-	1.0
	Aberdeen † ...	60	52	48	-	-	0.0
	Wick ...	58	49	49	Tr	Tr	*
16	Sumburgh ..	49	46	46	3	11	0.0
17	Blacksod Point	57	50	*	-	-	*
18	Malin Head ...	56	47		-	-	4.5
	Aldergrove ...	62	44	41	-	-	3.7
19	Birr Castle ...	68	40	31	-	-	8.6
20	Valentia Obsy.	60	47	38	-	Tr	
	Roches Point	58	48	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th May	III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.	$C_L C_M$	wwVhN$_h$	DDFWN
	109	62	62637	23728	62	22635	55668	
	115	--	67209	20469	--	67109	20469	
	203	58	03838	20528	6-	62828	20668	
	206	57	02855	22527	87	02855	55587	
	210	57	02855	55668	87	02854	55520	
	220	51	03620	24328	52	03735	22528	
	230	57	02747	18428	53	02842	20325	
	245	57	02952	56428	57	02943	22328	
	260	57	02855	22428	57	03855	23628	
	278	5-	02867	20327	54	02863	20320	
	279	70	02764	20427	77	02764	19426	
	285	5-	03748	28528				
	288	10	02764	22328	54	02864	22228	
	575	8-	02857	22427	54	02863	22326	
	301	57	02743	24327	57	02864	24327	
	321	53	05665	25326	10	05663	24416	
	299	52	01744	24315	54	01763	24414	
	292	17	02853	24425	17	02851	25227	
	310							
	614	40	05664	22225	20	05664	26225	

01h. G.M.T. 6th May	III	$C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.	$C_L C_M$	wwVhN$_h$	DDFWN
	109	02	62648	55863	62	62636	56868	
	115	5-	67109	53569	5-	67109	53569	
	203	6-	61838	20728				
	206	8-	01855	55625	73	01852	55614	
	210	5c	01853	53613	53	01753	55625	
	220				52	03648	24528	
	230	57	02754	53415	5-	02745	53426	
	245	07	02990	53427	07	02890	23515	
	260	50	01854	23414	00	00890	20512	
	278	00	00890	20300	04	01850	22414	
	279	07	00890	20502	00	05690	20625	
	285				57	01851	26515	
	288	5-	02778	20328	57	02874	17227	
	575	07	01790	20214	00	00790	18310	
	301	04	01790	21415	00	02890	21425	
	321	50	05652	18213	03	05690	20216	
	299	5-	01754	22114	50	01753	22214	
	292	57	05643	21325	07	05690	21226	
	310				--	01635	24315	
	614	03	05690	22214	03	05690	22225	

13h. G.M.T. 5th May	III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.	$C_L C_M$	wwVhN$_h$	DDFWN
	333	5-	02618	20328	5-	01843	53514	
	334	--	02646	26217	--	01763	26314	
	340	10	02964	24417	01	02990	22317	
	136	00	02790	23317				
	336				54	01753	26415	
	350				01	02790	23327	
	368	80	01843	22415	50	02852	20327	
	379				00	01790	24314	
	390	00	02790	20326	00	02790	24325	
	382	00	02890	22416	00	01990	23315	
	438	--	46109	26349				
	430	00	02890	20445	00	02890	20326	
	409	10	01741	29223	50	01841	27113	

01h. G.M.T. 6th May	III	$C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.	$C_L C_M$	wwVhN$_h$	DDFWN
	333	03	01790	16213	50	01841	16313	
	334				--	01762	28313	
	340	03	01890	23324	00	01890	18414	
	136	04	05690	13304	00	05690	25314	
	336				03	01790	24313	
	350							
	368	07	05690	20226				
	379	04	08490	00014	--	46009	08149	
	390	07	05690	22303	00	02790	22325	
	382	00	05690	24214	00	05690	24226	
	438	07	01790	00014	04	05690	00026	
	430				54	01763	22314	
	409	00	01890	24114	00	02890	24115	
		00	00790	14200	00	00890	16303	

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 6th May

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	bm$_o$2ocy	cy	cbcy	
Croydon ...	bc2o,c	cy	cybcbzy	
Greenwich ...	bbcyzo	bc	⊕bcy	Kew 24 hours ended 7h. Max. Time 0·1 7·9h 5th
Camden Square	c	c	*	
Kensington ..	bzb	bc	*	
Hampstead ...	bc	bc	bc	Min. Time 10·1 6·5h 6th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	69	46	39	-	-	11.4	*	*
Croydon ..	69	44	38	-	-	11.0	*	*
Greenwich ...	71	43	25	-	-	9.8	16	31
Westminster ..	71	45	39	-	-		37	60
Regents Park ...	70	46	42	-	-		32	49
Camden Square	72	46	36	-	-	*	*	42
Kensington ...	72	45	38	-	-		37	47
Hampstead ...	69	43	38	-	-		*	55

SECRET

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BRITISH SECTION

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

Thursday 7th May 1942

No. 29386

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22·5	-14	W'S	3	b	68	15	14	8	–	–	2	0	1	–
	Croydon	22·6	-18	SW'W	3	b	71	15	17	8	–	–	1	0	1	–
	S. Farnborough	22·8	-14	W'S	3	b	71	15	13	9	–	–	1	0	1	–
	Boscombe Down	23·0	-16	WNW	3	b	69	25	27	8	–	–	2	0	1	–
	Thorney Island	23·8	-14	SSW	4	b	63	75	53	8	–	–	1	0	Tr	–
	Lympne	23·5	-12	SW	3	bc	64	45	43	8	–	–	2	0	4-6	–
	Manston	22·7	-14	NW'N	1	bc	65	25	32	8	–	–	6	0	4-6	–
2	Shoeburyness	22·4	-14	WSW	3	c	70	25	32	7	–	–	2	0	9	–
	Felixstowe	21·5	-14	SW'W	3	bc	69	65	57	7	–	–	8	0	4-6	–
	Gorleston	20·9	-16	NNW	3	bc	71	15	12	7	–	4	–	0	4-6	–
	Mildenhall	20·8	-18	WSW	4	bc	72	25	30	8	–	–	8	0	4-6	–
	Cranwell	19·7	-16	WSW	5	bc	69	25	30	7	–	–	2	0	2-3	–
3	Birmingham	20·7	-14	SW	4	bc	68	25	32	8	–	–	1	0	2-3	–
	Upper Heyford	22·0	-14	SW'W	3	bc	67	25	25	7	–	–	2	0	4-6	–
4	Ross-on-Wye	22·4	-16	WSW	4	b	68	25	27	8	–	–	1	0	1	–
5	Hartland Point	22·9	-14	WSW	3	bc	58	55	38	7	–	–	1	0	2-3	–
	Bristol	23·5	-16	W	3	b	67	45	43	8	–	–	1	0	Tr	–
	Portland Bill	24·7	-14	W	2	bc	53	85	49	8	2	–	–	4-6	4-6	4000
	Plymouth	23·9	-14	SW	2	bc	61	55	44	8	–	–	8	0	2-3	–
	The Lizard	23·5	-14	–	0	bc	60	85	54	8	4	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	21·8	-14	S'E	3	bc	61	75	51	8	–	–	2	0	4-6	–
	Guernsey															
6	Pembroke	23·2	-8	SSW	4	b	53	85	48	8	–	1	–	0	1	–
7	Holyhead (Valley)	20·1	-6	SW'S	5	b	55	75	46	7	–	–	1	0	Tr	–
	Chester (Sealand)	19·3	-10	W'N	3	b	69	15	16	8	–	–	1	0	Tr	–
8	Manchester	19·1	-22	SW'W	5	bc	69	25	31	8	–	–	1	0	2-3	–
10	Spurn Head	18·4	-20	W'S	4	z_0	64	35	36	6	–	4	1	0	2-3	–
	Catterick	16·6	-14	W'S	4	bc	64	35	35	8	5	–	1	2-3	2-3	2500
	Tynemouth	14·9	-16	W	6	bcq	68	25	24	7	–	3	–	0	2-3	–
11	St. Abbs Head	10·0	-18	WSW	5	bc	61	55	42	8	2	–	–	2-3	2-3	3500
	Leuchars	10·1	-14	W	8	bc	61	55	44	8	2	–	–	4-6	4-6	3500
12	Renfrew (Abbots I.)	12·9	-14	W'S	6	z_0	56	75	48	6	8	–	–	9	9	1800
	Eskdalemuir	12·1	-24	SW	7	b^0	61	45	38	8	1	4	–	Tr	Tr	3800
	Point of Ayre	16·2	-12	W'S	7	b	67	35	29	8	–	–	1	0	Tr	–
13A	Tiree	13·2	-6	WSW	5	c	54	85	50	7	5	–	–	9+	9+	1800
13B	Stornoway	05·8	+2	WSW	6	c/r	50	92	48	8	5	7	5	4-6	9+	2500
15	Dalwhinnie	09·5	-18	SW	4	c	54	55	40	8	5	–	–	7-8	7-8	2500
	Aberdeen	06·3	-16	W'S	6	bc	66	35	37	8	1	4	9	Tr	2-3	3500
	Wick	04·6	-6	WSW	6	r_0r_0	49	92	47	7	5	7	–	4-6	10	900
16	Sumburgh	00·2	-6	W	4	c	41	85	34	7	5	7	6	4-6	7-8	5600
17	Blacksod Point	16·8	-6	SSW	5	c	56	85	52	7	8	–	–	9+	9+	1500
18	Malin Head	14·1	-10	W'S	5	c	55	75	47	8	8	–	–	9+	9+	2500
	Aldergrove	15·1	-14	SW	5	b	67	35	31	8	1	–	–	Tr	Tr	4000
19	Birr Castle	18·1	-14	SSW	3	bc	69	35	33	7	–	–	8	0	2-3	–
20	Valentia Obsy.	18·6	-12	S'W	5	b	61	65	49	8	1	–	–	Tr	Tr	2500
	Roches Point	20·9	-10	S	3	b	57	85	53	8	–	–	–	0	0	–

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)
London (Kew)	19·2	-20	SW'S	3	b	67	25	34	8	–	–	–	0	0	–
Croydon	19·7	-18	SSW	3	b	67	35	40	8	–	–	1	0	Tr	–
S. Farnborough	20·1	-10	SW'W	4	b	68	35	35	8	–	–	1	0	Tr	–
Boscombe Down	20·5	-16	SW	4	b	65	35	35	8	–	–	1	0	Tr	–
Thorney Island	21·3	-10	SSW	3	b	56	75	50	8	–	–	8	0	Tr	–
Lympne	21·3	-14	SSW	2	b	58	65	45	8	–	–	1	0	Tr	–
Manston	19·9	-14	SW	3	b	64	45	40	8	–	–	1	0	Tr	–
Shoeburyness	19·4	-16	SSW	4	b	64	55	46	8	–	–	–	0	0	–
Felixstowe	19·1	-20	SSW	3	b	61	55	44	7	–	4	–	0	Tr	–
Gorleston	18·1	-8	W'N	4	bc	73	15	25	7	–	–	2	0	2-3	–
Mildenhall	17·9	-10	WSW	4	b	70	25	50	8	–	–	1	0	Tr	–
Cranwell	16·4	-10	W	5	b	70	25	51	7	–	–	2	0	Tr	–
Birmingham	18·4	-14	WSW	3	b	67	25	30	8	–	–	1	0	1	–
Upper Heyford	18·7	-12	SW	4	b	67	35	35	7	–	–	–	0	1	–
Ross-on-Wye	18·9	-20	SW	4	bc	67	35	37	8	–	–	9	0	2-3	–
Hartland Point	20·0	-18	WSW	3	bc	60	45	38	8	–	–	4	0	2-3	–
Bristol	20·7	-16	WSW	3	b	65	45	45	8	–	4	1	0	Tr	–
Portland Bill	21·3	-16	S	1	bc	52	92	50	8	5	–	–	4-6	4-6	4000
Plymouth	21·9	-8	SSW	2	b	55	85	49	7	–	–	1	0	Tr	–
The Lizard	21·5	-14	–	0	bc	57	75	47	8	4	–	–	2-3	2-3	3500
Scilly (St. Mary's)	21·1	-12	S	2	b	57	85	52	7	–	–	1	0	Tr	–
Guernsey															
Pembroke	20·5	-12	SW'W	3	b	53	85	47	8	–	1	–	0	1	–
Holyhead (Valley)	16·8	-22	SW'S	5	b	54	65	43	7	–	–	1	0	1	–
Chester (Sealand)	16·8	-20	WSW	3	bc	64	35	32	7	–	8	9	0	2-3	–
Manchester	16·7	-16	SW	6	bc	64	25	23	7	–	–	1	0	2-3	–
Spurn Head	15·4	+4	WSW	6	bcq	65	25	22	7	–	4	1	0	2-3	–
Catterick	14·0	-10	W	5	b	62	45	37	7	–	–	1	0	Tr	–
Tynemouth	12·6	-2	W	6	bcq	65	55	49	7	–	–	–	0	2-3	–
St. Abbs Head	10·9	+22	WSW	6	z_0	59	97	59	7	3	6	–	2-3	4-6	2500
Leuchars	08·1	-6	W	6	bc	59	55	41	8	2	4	–	1	2-3	3000
Renfrew (Abbots I.)	12·0	-6	W	4	c	58	65	45	7	5	3	–	4-6	7-8	2000
Eskdalemuir	11·2	-6	NE	6	bc	57	65	45	8	5	–	–	2-3	2-3	3300
Point of Ayre	13·6	-10	W'S	6	b	66	45	42	8	–	–	1	0	Tr	–
Tiree	13·0	-2	WSW	4	i_0	51	92	49	7	5	–	–	10	10	1200
Stornoway	06·0	+12	SW	6	c	49	75	43	8	5	7	2	4-6	9+	2500
Dalwhinnie	08·0	0	SW	3	pr	49	85	45	7	5	7	–	4-6	9	1500
Aberdeen	06·1	+4	WNW	4	c/pr	59	55	45	8	8	4	–	4-6	9	3100
Wick	04·5	-4	WNW	5	c	53	55	36	9	5	3	1	7-8	9	3000
Sumburgh	02·4	+20	NE	6	ir	41	92	39	7	6	–	–	10	10	900
Blacksod Point	15·6	-8	SW	4	c	55	85	51	7	8	–	–	10	10	1500
Malin Head	13·3	-2	SW'W	5	c	53	85	45	8	8	–	–	10	10	2500
Aldergrove	13·7	-2	W'N	4	b	63	55	45	7	1	–	–	Tr	Tr	4000
Birr Castle	15·3	-16	SW	2	b	68	35	39	7	–	–	–	0	0	–
Valentia Obsy.	17·3	-10	SSW	4	bc	59	75	51	7	2	–	–	4-6	4-6	1500
Roches Point	18·6	-14	S	3	bc	54	92	52	8	1	–	5	Tr	4-6	4000

PAST 24 HOURS.

Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 6th (39)	Weather 13h.—18h. 6th (40)	Weather 18h. 6th to 1h. 7th (41)	Weather 1h.—7h. 7th (42)
London (Kew)	0	*	cz_0bcy	bcby	by	$bbcz_0w$
Croydon	0	*	cyby	by	$bybz_0w$	bwbcy
S. Farnborough	0	*	cbcby	by	byb	$bwbcm_0$
Boscombe Down	0	*	bcby	by	bybc	bm_0
Thorney Island	0	*	cwbcb	b	b	$jf9m_0w$
Lympne	0	§3	cbcy	bcby	b	$bbcm_0$
Manston	0	*	cz_0cbcy	bcby	byb	b, bbz_0
Shoeburyness	0	*	bcz_0bccy	cbcyby	byb	bcw
Felixstowe	0	2	cm_0cybc	bcyby	bm_0	bm_0bc
Gorleston	0	2	bcy	bc	bbc	bcy
Mildenhall	0	*	ccm_0bcy	bcyby	byb	bcz_0bc
Cranwell	0	*	bc	by	bybcy	cbcy
Birmingham	0	*	cby	by	b	bbc
Upper Heyford	0	*	bcz_0y	by	bybbc	bz_0bcz_0
Ross-on-Wye	0	*	bcvy	by	bcb, c	bcb
Hartland Point	0	2	bcy	bcby	bcby	bbcy
Bristol	0	*	bcby	by	$bybcm_0$	bcb
Portland Bill	0	2	bc	bc	bcc	bcbc
Plymouth	0	2	bc	bcb	bm_0w	$bbcm_0jf$
The Lizard	0	2	bc	bc	bcw	bc
Scilly (St. Mary's)	0	2	bbc	bcd	bbcb	b, cw
Guernsey						
Pembroke	0	2	bcb	bc	bcw	bcbw
Holyhead (Valley)	0	4	bcb	b	bw	b, cwm_0
Chester (Sealand)	0	*	by	by	bcy	$bcycz_0$
Manchester	0	*	by	by	bbcy	bcyc
Spurn Head	0	4	bcz_0	bcq	bcm_0	bcz_0
Catterick	0	*	cbcby	by	$bybz_0$	bz_0cm_0
Tynemouth	0	4	bcq	bcbq	bqbc	c
St. Abbs Head	0	4	$bcbz_0$	$bbcz_0$	bcz_0	om_0cprc
Leuchars	0	*	bcy	cbycy	cbcc	cbcc
Renfrew (Abbots I.)	0	*	cy, z_0	cz_0bcc	$cm_0ir_0z_0$	cz_0c
Eskdalemuir	0	*	bcby	bybc	c	bcc
Point of Ayre	0	4	bcby	by	bbcc	c
Tiree		5	b	oir_0	c	cbcpr
Stornoway	1	4	cpr	c	cpr	
Dalwhinnie	1	*	bcc	coprc		cp_0
Aberdeen	0	3	cbcby	$bcypr_0$	cprotb	$bcpr_0$
Wick	0	*	$cirp_0r_0$	c	bcr_0rrm_0	r_0r_0rrcbc
Sumburgh	1	4	$coirm_0c$	cpr_0ir	cbcc	cbc
Blacksod Point	0	3	c	c	r	c
Malin Head	0	4	c	c	d	r
Aldergrove	0	*	bbz	by	bccbz	$bczcid_0c$
Birr Castle	0	*	bc	bc		c
Valentia Obsy.	0	4	b	b	bc	bc
Roches Point	0	3	f	b	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 7th May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light or moderate southwest wind, becoming northeast moderate but fresh locally. Fine at first; cloudy later with local rain. Becoming much colder, with frost at night.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Variable winds becoming northeast, moderate or fresh, decreasing. Bright intervals, local showers. Becoming cold with frost at night.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate north wind decreasing and backing. Bright intervals; local showers of rain or hail. Cold; night frost.
16 Orkneys and Shetlands	
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 7-12.

GENERAL INFERENCE

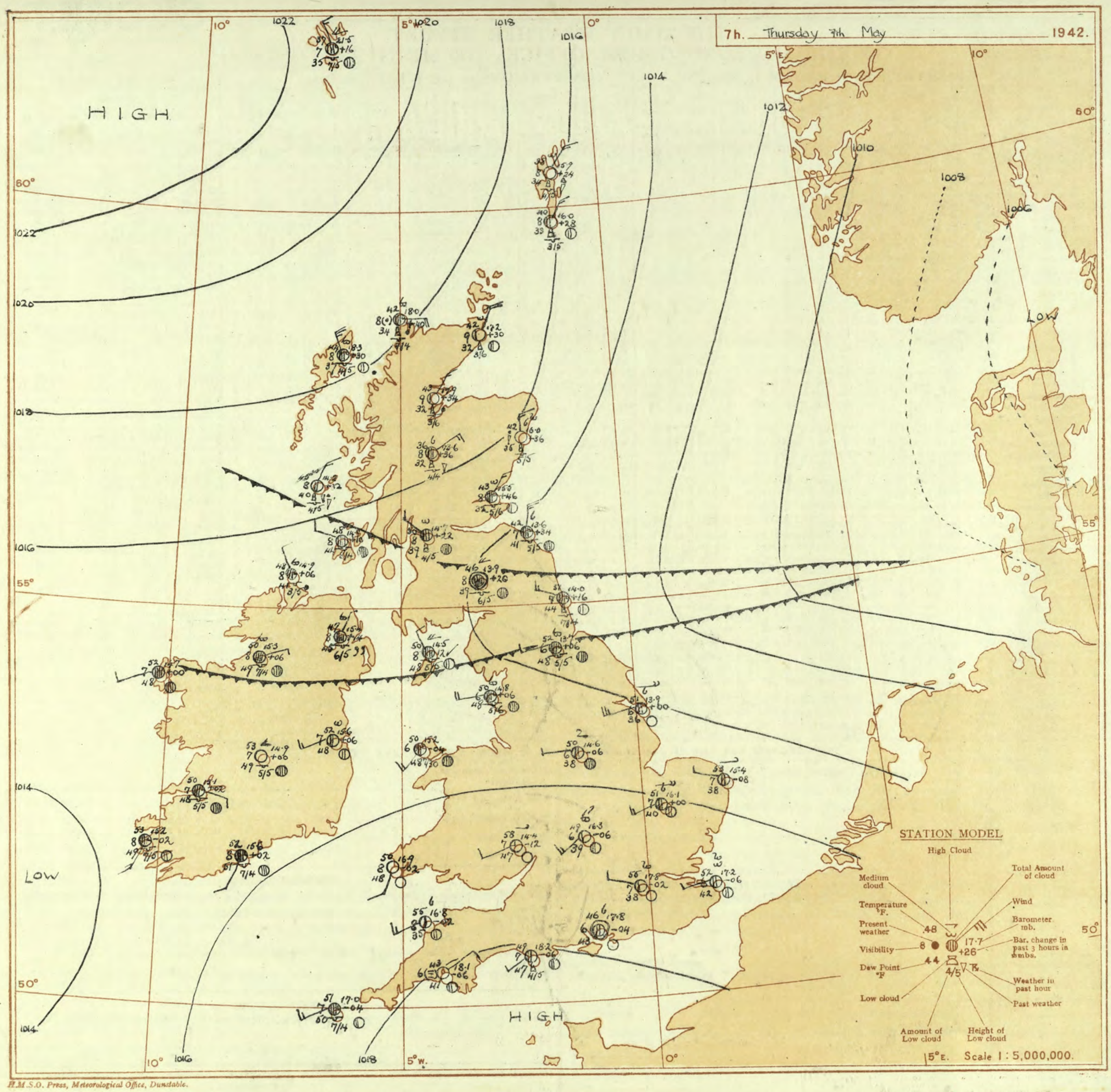
An anticyclone south of Scotland is moving southeast and a shallow trough of low pressure over South Scotland is moving south or southwest. There will be bright intervals and local showers in the North. In the South weather will be fair at first but local rain is expected later. There will be a marked fall of temperature over England and Wales.

FURTHER OUTLOOK

Fair in the North and East; doubtful in the Southwest. Rather cold generally.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

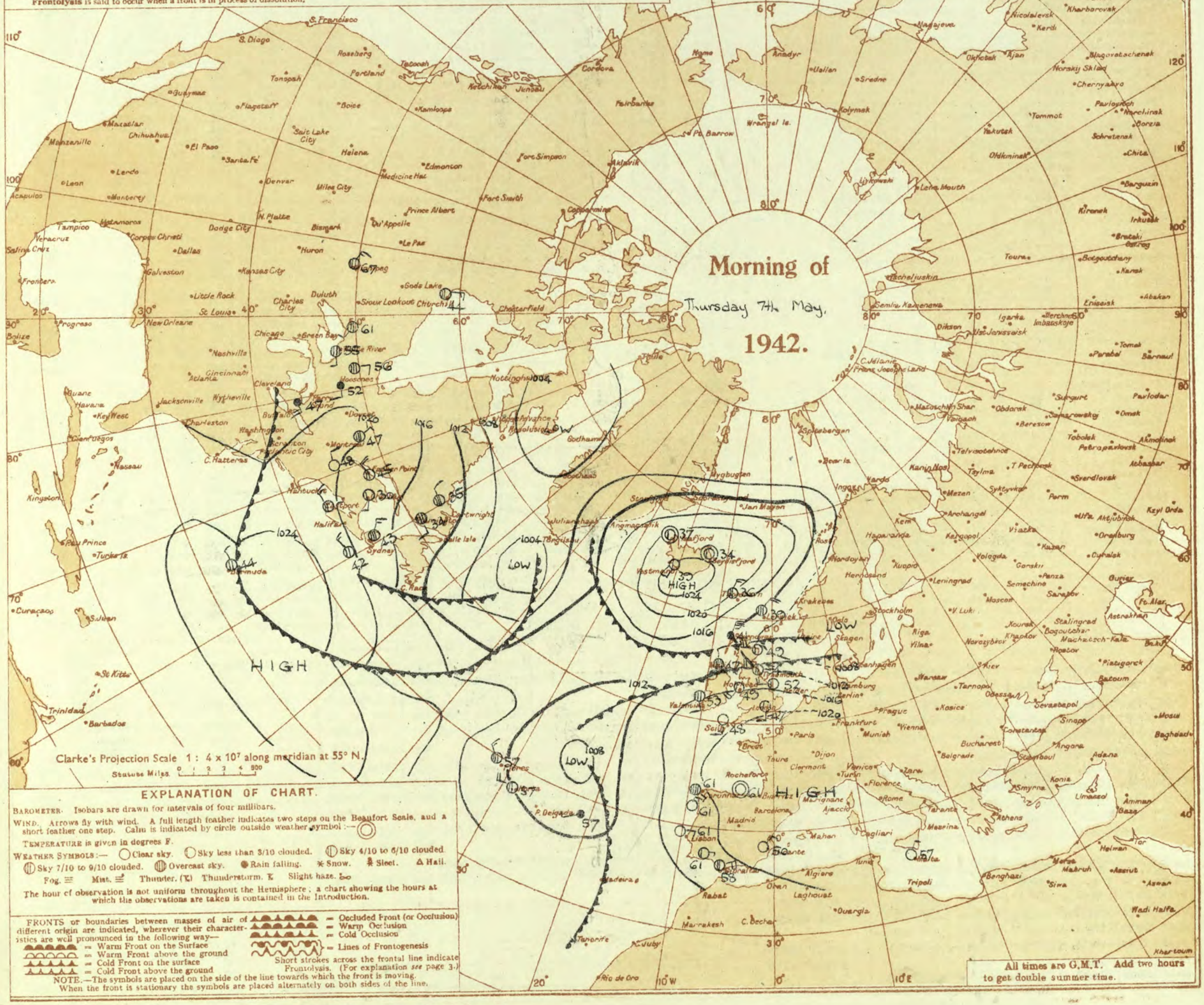
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 7th May 1942

No. 29386.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·2	-6	S	2	b	47	75	39	6	–	–	1	0	Tr	–
	S. Farnborough	226	19·0	-4	W'S	1	b	49	75	40	7	–	–	1	0	1	–
	Boscombe Down	417	19·9	-6	–	0	zo	45	85	39	6	–	–	2	0	4·6	–
	Thorney Island	10	19·8	-6	NNW	2	b	40	97	40	7	–	–	1	0	Tr	–
	Lympne ..	283	20·4	-4	SSW	1	b	43	85	39	7	–	–	–	0	0	–
	Manston ...	154	18·6	-10	WSW	3	b	49	65	36	7	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·5	-8	WSW	3	zo	53	65	41	6	–	–	–	0	0	–
	Gorleston ...	5	17·0	-4	WNW	2	b	54	45	34	6	–	4	–	0	1	–
	Mildenhall ...	15	16·8	-6	SW	3	b	51	65	40	7	–	–	1	0	1	–
	Cranwell ...	203	15·2	-10	WSW	4	bc	51	55	34	6	–	7	1	0	2-3	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·8	+8	SW	3	zo	49	65	37	6	–	4	–	0	2-3	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·9	-14	SSW	3	b	53	55	35	7	–	–	1	0	Tr	–
	Bristol ...	209	19·7	-10	–	0	zo	48	85	43	6	–	7	6	0	4·6	–
	Portland Bill ...	32	18·9	-16	SW	1	c	49	92	47	7	6	–	–	7·8	7·8	4000
	Plymouth ...	82	20·2	-6	SSW	1	zo	44	97	44	5	–	–	–	0	0	–
	The Lizard ...	240	19·5	+16	S'W	2	bc	50	75	43	7	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	18·9	0	S	3	b	48	97	47	7	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	18·1	-6	SW	3	bc	49	92	47	8	4	–	–	4·6	4·6	4000
7	Holyhead (Valley)	32	15·6	-6	SSW	4	zo	49	92	48	6	–	–	1	0	1	–
	Chester (Sealand)	16	14·7	-14	SW'S	4	bc	53	35	29	7	–	–	1	0	2-3	–
8	Manchester ...	235	15·7	-8	S'W	4	bc	47	65	33	8	–	–	1	0	4·6	–
10	Spurn Head ...	29	15·6	+4	W	4	zo	52	55	38	6	–	4	1	0	2-3	–
	Catterick ...	175	13·9	-10	W'S	2	b	49	65	39	6	–	–	–	0	0	–
	Tynemouth ...	108	12·8	-2	W	4	bc	54	75	45	6	5	–	–	4·6	4·6	2500
11	St. Abbs Head	280	09·1	+10	W	3	o	51	97	51	6	5	–	–	10	10	1500
	Leuchars ...	36	09·3	+8	NW	3	c	51	65	41	8	5	4	–	4·6	7·8	3400
12	Renfrew (Abbotsl.)	19	11·5	+2	W'N	4	zo	48	75	42	6	5	7	–	7·8	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	13·6	+2	W'N	4	c	50	92	48	8	5	–	–	9+	9+	3500
13A	Tiree	22	12·8	0	NW'N	2	c	46	92	44	8	5	–	–	7·8	7·8	2500
13B	Stornoway ...	80	11·7	+36	NNE	7	pr	41	97	41	7	8	7	–	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	07·9	+2	WNW	6	b	47	65	35	8	–	4	–	0	1	–
	Wick ...	114	10·7	+50	NE	7	r	39	85	35	6	5	–	–	10	10	1800
16	Sumburgh ..	19	10·5	+32	NE	4	c	39	75	30	8	5	–	–	7·8	7·8	2000
17	Blacksod Point	18	15·0	-6	W	3	c	52	92	50	7	5	–	–	10	10	800
18	Malin Head ...	84	13·7	+2	N'W	2	do.do.	47	97	46	7	6	2	–	7·8	10	2500
	Aldergrove ...	268	13·8	-2	W	2	zo	52	85	47	6	5	–	2	2·3	4·6	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·0	-10	S'E	2	c	53	92	51	7	5	–	–	7·8	7·8	2500
	Roches Point	22	16·8	-10	SSW	3	c	53	92	51	8	5	–	–	7·8	7·8	1500

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

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)	17·5	-4	SW	2	zo	50	75	41	6	–	–	1	0	4·6	–	0	*
	Croydon ...	17·8	-2	W'N	2	bc	55	55	38	7	–	–	9	0	2-3	–	0	*
	S. Farnborough	17·8	0	W	1	zo	47	75	41	6	–	–	1	0	2-3	–	0	*
	Boscombe Down	18·5	-4	–	0	zo	47	75	40	6	–	–	8	0	2-3	–	0	*
	Thorney Island	17·8	-4	–	0	zo	46	92	43	6	–	4	2	0	4·6	–	0	*
	Lympne ..	18·6	-6	W	1	bc	53	65	42	6	–	–	1	0	2-3	–	0	3
	Manston ...	17·2	-6	W'S	1	zo	52	65	42	6	–	3	9	0	4·6	–	0	*
2	Shoeburyness ...	17·3	0	WSW	3	bc	54	65	41	6	–	–	6	0	4·6	–	0	*
	Felixstowe ...	16·8	0	WSW	2	zo	50	75	43	6	–	–	6	0	4·6	–	0	2
	Gorleston ...	15·4	-8	WNW	3	bc	53	55	38	7	–	4	1	0	4·6	–	0	3
	Mildenhall ...	16·1	0	SW'W	3	bc	51	65	40	7	–	4	2	0	4·6	–	0	*
	Cranwell ...	14·8	-4	W'S	5	bc	51	55	37	7	–	–	3	0	2-3	–	0	*
3	Birmingham ...	16·1	-4	WSW	2	bc	51	65	40	8	–	–	2	0	4·6	–	0	*
	Upper Heyford	16·3	-6	SW	3	zo	49	65	39	6	–	7	4	0	2-3	–	0	*
4	Ross-on-Wye	14·4	-12	SW	2	b	58	65	49	7	–	–	1	0	1	–	0	*
5	Hartland Point	16·8	-2	SW	3	bc	55	45	34	8	–	4	–	0	2-3	–	0	3
	Bristol ...	18·1	-6	–	0	b	50	75	43	7	–	–	6	0	1	–	0	*
	Portland Bill ...	18·2	-6	SW	1	bc	49	92	47	7	2	–	–	4·6	4·6	2500	0	2
	Plymouth ...	18·1	-6	NE	2	b	43	92	41	6	–	–	–	0	0	–	0	
	The Lizard ...	17·2	-10	SE	2	bc	51	85	47	8	4	–	–	2-3	2-3	2500	0	3
	Scilly (St. Mary's)	17·0	-4	SW	3	c	51	97	50	7	5	–	–	9+	9+	1200	0	2
	Guernsey ...																	
6	Pembroke ...	16·9	-2	S'W	2	b	50	92	48	8	–	–	–	0	0	–	0	2
7	Holyhead (Valley)	15·2	-2	SW	3	c	50	92	48	6	5	–	–	9+	9+	3000	0	4
	Chester (Sealand)	15·0	-2	WSW	2	bc	53	75	44	6	5	3	–	2-3	4·6	3000	0	*
8	Manchester ...	15·3	+2	S	3	c	49	65	38	6	5	–	–	10	10	2500	0	*
10	Spurn Head ...	13·9	0	W'S	5	zo	51	55	38	6	–	4	2	0	4·6	–	0	3
	Catterick ...	13·7	+6	W'S	2	zo	52	85	46	6	5	7	–	7·8	9+	2800	0	*
	Tynemouth ...	14·0	+16	WNW	3	c	51	75	43	7	8	–	–	9+	9+	1600	0	3
11	St. Abbs Head	13·6	+34	N	5	c	42	97	42	7	5	4	–	7·8	9+	2500	0	4
	Leuchars ...	15·5	+46	NNE	3	c	43	65	32	8	5	3	–	7·8	9	3000	0	*
12	Renfrew (Abbotsl.)	14·7	+22	NW'W	2	c	50	65	38	8	2	3	2	4·6	7·8	2500	0	*
	Eskdalemuir ...	13·9	+20	–	0	c	46	75	39	8	5	2	–	9	10	2200	0	*
	Point of Ayre ...	14·5	+12	NW'N	2	c	50	92	48	8	5	2	–	7·8	10	2500	0	2
13A	Tiree	14·2	+12	N'E	3	c/pr	45	85	40	8	8	3	–	4·6	4·6	2500	0	4
13B	Stornoway ...	18·3	+30	NNW	5	c	44	75	35	8	5	7	–	4·6	9	2500	1	3
15	Dalwhinnie ...	16·2	+36	NE	3	c	36	85	35	8	8	4	–	4·6	7·8	1500	1	*
	Aberdeen † ...	16·0	+36	N'W	3	pr	42	75	36	8	8	4	9	7·8	9	2100	1	3
	Wick ...	17·2	+30	NNE	4	bc	42	65	32	9	2	3	–	2·3	2·3	3500	1	*
16	Sumburgh ..	16·0	+28	NNE	3	bc	40	75	32	8	8	6	–	2·3	4·6	2000	1	3
17	Blacksod Point	14·7	0	WSW	2	c	52	85	48	7	5	–	–	10	10	1500	0	1
18	Malin Head ...	14·9	+6	NNW	2	c	48	75	41	8	5	7	–	2·3	9+	2500	0	3
	Aldergrove ...	15·4	+14	N'E	1	c/d	47	92	45	8	5	7	–	9	10	3400	0	*
19	Birr Castle ...	14·9	0	SW	1	c	53	85	49	7	0	1	–	7·8	10	2500	0	*
20	Valentia Obsy.	15·2	-2	SSE	3	c	53	85	49	8	5	–	–	9+	9+	2500	0	2
	Roches Point	15·6	+2	SSW	2	c	52	97	51	8	5	–	–	9+	9+	1500	0	3

PAST 24 HOURS.

District	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 6th Hrs. (38)
1	London (Kew)	71	47	29	–	Tr	12·1
	Croydon ...	74	45	38	–	Tr	12·6
	S. Farnborough	73	39	24	–	–	12·6
	Boscombe Down	71	37	25	–	Tr	13·3
	Thorney Island	68	36		–	–	*
	Lympne ..	65	40	31	–	–	13·9
	Manston ...	71	45	41	–	–	13·4
2	Shoeburyness ...	74	47	35	–	–	12·1
	Felixstowe ...	74	46	39	–	–	12·9
	Gorleston ...	74	50	40	–	–	12·7
	Mildenhall ...	75	46	33	–	–	12·1
	Cranwell ...	73	46	42	–	–	13·7
3	Birmingham ...	71	46	40	–	–	12·2
	Upper Heyford	71	42	36	–	–	*
4	Ross-on-Wye	71	47	39	–	–	13·1
5	Hartland Point	62	52	49	–	–	13·7
	Bristol ...	69	42	27	–	–	12·5
	Portland Bill ...	53	47	*	–	–	*
	Plymouth ...	62	37		–	–	13·0
	The Lizard ...	60	47	*	–	–	13·3
	Scilly (St. Mary's)	61	48	*	–	–	13·7
	Guernsey ...						
6	Pembroke ...	55	42	*	–	–	12·5
7	Holyhead (Valley)	57	48	44	–	–	*
	Chester (Sealand)	70	49	41	–	–	12·6
8	Manchester ...	70	43	34	–	–	*
10	Spurn Head ...	68	48	*	–	–	13·0
	Catterick ...	65	48	41	–	–	9·7
	Tynemouth ...	63	45	45	–	–	11·8
11	St. Abbs Head	70	51	49	–	–	13·0
	Leuchars ...	63	41	*	–	–	*
12	Renfrew (Abbotsl.)	63	42	41	–	–	10·2
	Eskdalemuir ...	59	45	43	–	–	6·7
	Point of Ayre ...	63	45	45	–	–	11·8
		70	48	*	–	–	13·0
13A	Tiree		45	*		0·4	1·8
13B	Stornoway ...	54	40	*	5	3	4·6
15	Dalwhinnie ...	58	34	32	2	1	3·3
	Aberdeen † ...	68	37	34	Tr	Tr	5·8
	Wick ...	56	37	35	1	1	*
16	Sumburgh ..	49	36	31	2	Tr	1·4
17	Blacksod Point	56	51	*	–	Tr	*
18	Malin Head ...	56	46		–	0·5	3·1
	Aldergrove ...	68	46	46	–	Tr	12·6
19	Birr Castle ...	70	51	46	–	–	13·3
20	Valentia Obsy.	61	47	39	–	Tr	
	Roches Point	58	51	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th May			18h. G.M.T.			01h. G.M.T. 7th May			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 67	22735	24667	8-	25647	23627	5-	02875	03565			
115 52	02834	24467	52	10844	57587	52	62735	04488	87	10844	08466
203 6-	63838	22668	5-	02846	24526	5-	62848	20428	10	01843	32483
206 8-	61857	55427	86	01963	57524	50	01963	55413	80	01963	02363
210 83	02865	55726	83	01952	54464	8-	61847	24427	2-	01854	01424
220 52	63435	24568	53	02848	26346				56	01753	04513
230 5-	02636	53526	5-	52628	53558	57	02855	26467	5-	02957	02327
245 24	01754	56614	23	02865	55616	53	01863	22315	10	01953	02415
260 50	01763	20604	73	00762	20613	--	05668	20418	52	02844	03316
278 00	00830	20300	70	00852	30312	07	05690	22314	62	52834	28468
279 04	05690	53601	50	05661	23401	57	05664	18426	57	61855	29367
285									6-	58528	26558
288 00	01790	22422	00	05690	55513	00	05690	20400	52	05656	22328
578 10	00861	23401	07	05690	26502	57	05654	28327	57	02847	06128
301 00	00890	24501	00	01790	23503	00	00790	23503	57	05665	23427
321 03	01790	24524	00	01790	56514	00	05690	24311	53	05651	00026
299 03	01790	22511	50	01663	23413	00	00790	24210			
292 00	00890	55513	00	00790	56503	00	17690	22300	57	05663	22327
310 --	01642	24412							--	02625	24328
614 00	05690	24413	00	00890	22302	03	05690	20314	00	05690	24124

13h. G.M.T. 6th May			18h. G.M.T.			01h. G.M.T. 7th May			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 00	00890	20400	00	01890	53501	07	01790	16214	5-	02748	00018
334 --	00790	26301							--	02554	26215
340 00	00890	23401	00	00890	23403	04	00790	22403	00	00790	22212
136 00	05690	24416	00	00790	21612	09	01790	21414	00	01790	03314
336 04	01790	20401	04	01790	24412				00	01790	16412
350 00	01890	20325	00	00890	20400	07	05690	20314	07	05690	31213
368 00	00890	22342	00	00890	23201	00	01790	00014	00	04690	00012
379 00	01890	22414	00	00890	22413	00	05690	22303	00	00790	20303
390 00	01790	24424	00	00790	24200	00	05690	22302	04	05690	24216
382 00	00890	23412	00	00890	24200	04	05690	23203	04	00890	21202
438 00	00890	22300							07	01590	22163
430 00	01890	18311	00	00890	19301	00	00790	00000			
409 00	01790	17315	00	01790	16303	04	05690	14213	00	00890	15201

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 7th May
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 ...	zobcy	bcby	bybbzo	Kew 24 hours ended 7h. Max. Time 0·1 3-7h on 7th Min. Time <0·1 10-13h on 6th
Croydon ...	cyby	by	bybzcy	
Greenwich ...	bcy	by	bbcby	
Camden Square	c	b	*	
Kensington ...	b	b	*	
Hampstead ...	bc	b	bcmx	

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 % Today	Humidity 9h % Today
Kew ...	71	47	29	–	Tr	12·1	*	*
Croydon ...	74	45	38	–	Tr	12·6	*	*
Greenwich ...	74	45	28	–	–	11·3	13	33
Westminster ...	74	47	40	–	–		37	59
Regents Park ...	69	48	43	–	–		48	43
Camden Square	75	48	39	–	–	*	*	41
Kensington ...	75	47	47	–	–	.	27	74
Hampstead ...	72	44	37	–	–		*	63

Page 1 BRITISH SECTION

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

SECRET

Friday 8th May 1942

No. 29,387

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

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)	14.9	-14	WNW	3	b	67	25	27	8	-	-	1	0	Tr	-
	Croydon	15.5	-14	S'W	2	b	71	25	34	8	-	4	-	0	1	-
	S. Farnborough	14.9	-16	W'N	3	b	71	35	44	8	-	-	1	0	Tr	-
	Boscombe Down	16.1	-12	WNW	2	b	69	25	27	8	-	-	1	0	0	
	Thorney Island	16.3	-10	S'W	3	b	68	75	54	8	-	-	-	0	0	-
	Lympne	16.5	-14	SSE	3	b	65	45	42	8	-	-	-	0	0	-
	Manston	15.1	-10	NNW	2	z	67	25	32	6	-	-	-	0	0	-
2	Shoeburyness	15.5	-8	WSW	3	b	72	25	39	7	-	-	-	0	0	-
	Felixstowe	16.1	-10	SW	3	b	72	25	33	8	-	-	2	0	0	-
	Gorleston	15.9	+8	NE'E	4	z	54	65	41	6	7	-	-	4-6	4-6	2000
	Mildenhall	14.9	-2	W	4	bc	70	35	44	7	7	-	-	2-3	2-3	4000
	Cranwell	16.4	+18	NE'N	5	c	54	65	43	7	5	-	-	9+	9+	3000
3	Birmingham	14.9	-4	NW	3	bc	68	35	39	8	7	5	2	1	4-6	5700
	Upper Heyford	14.5	-10	WSW	1	bc	69	25	33	8	-	4	5	0	2-3	-
4	Ross-on-Wye	14.9	-10	NW	2	b	69	35	37	8	1	-	3	Tr	1	4500
5	Hartland Point	16.1	-8	W'S	3	F+	52	85	48	1	-	-	-	10	10	<150
	Bristol	16.2	-10	WNW	3	bc	67	35	40	8	-	-	4	0	2-3	-
	Portland Bill	16.8	-10	SW	2	b	55	85	51	7	-	-	-	0	0	-
	Plymouth	18.1	-6	SW	3	bc	58	85	53	8	-	4	2	0	2-3	-
	The Lizard	16.9	-6	SW	3	z	52	92	50	6	5	-	7	10	10	1000
	Scilly (St. Mary's)	17.0	0	SW'W	2	c	58	85	50	7	5	-	-	9+	9+	800
	Guernsey															
6	Pembroke	17.2	+2	SW	3	bc	55	85	48	7	2	3	1	2-3	4-6	3500
7	Holyhead (Valley)	16.2	+6	SW'S	2	z	58	75	53	6	2	8	-	2-3	7-8	1800
	Chester (Sealand)	15.8	0	NNW	3	c	59	65	48	6	6	3	-	7-8	9+	2000
8	Manchester	16.0	+4	WNW	3	z	62	55	47	6	2	6	-	9	9+	2000
10	Spurn Head	17.2	+26	N'E	4	c	47	85	42	7	5	-	-	9+	9+	1500
	Catterick	19.3	+34	N'E	4	r.	48	85	37	7	5	2	-	9	10	1600
	Tynemouth	19.5	+20	NNE	4	c	45	75	35	8	8	-	-	7-8	7-8	2000
11	St. Abbs Head	19.8	+20	N	2	c	45	75	38	8	2	4	-	4-6	7-8	2500
	Leuchars	19.7	+14	ENE	3	c	48	55	32	8	2	4	2	1	7-8	3000
12	Renfrew (Abbots I.)	18.7	+14	E	4	c	53	35	29	8	5	7	2	7-8	9	3500
	Eskdalemuir	18.0	+18	NE'E	4	c	51	45	31	8	5	7	1	2-3	7-8	2800
	Point of Ayre	17.2	+16	E'N	4	c	49	75	42	8	5	7	-	7-8	9+	2000
13A	Tiree	18.2	+6	NE'N	3	bc	50	65	37	9	1	3	2	2-3	4-6	3500
13B	Stornoway	22.2	+22	NNE	4	bc	47	75	38	8	2	6	-	2-3	4-6	3500
15	Dalwhinnie	19.9	+16	NE	3	bc	47	35	22	8	8	-	-	4-6	4-6	2500
	Aberdeen	20.2	+20	ENE	4	c	46	65	35	8	8	-	8	7-8	7-8	3500
	Wick	20.9	+18	NNE	4	c/pr	43	85	38	9	8	-	-	7-8	7-8	2200
16	Sumburgh	19.9	+18	N'E	4	phr	41	75	35	8	8	6	-	4-6	9	1500
17	Blacksod Point	15.3	+2	NE'E	4	c/d	51	92	49	8	6	-	-	10	10	2500
18	Malin Head	16.7	+6	NE	1	c	48	75	40	8	5	7	-	4-6	9	2500
	Aldergrove	17.2	+10	E	3	c/d	50	65	40	8	5	7	-	1	10	2500
19	Birr Castle	14.6	-6	NNE	1	c	63	55	47	7	5	1	-	7-8	10	2500
20	Valentia Obsy.	14.6	-6	S'E	4	c/r	57	85	52	8	5	7	-	4-6	9+	4000
	Roches Point	15.5	-2	SSW	3	bc	57	85	52	8	5	-	5	2-3	4-6	2500

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

Stations	Barom. at M.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)	4.4	-2	NNE	4	z	64	55	45	6	2	5	3	Tr	9	2500	0	*
Croydon	13.9	-6	NNE	5	z	70	25	33	6	1	4		Tr	7-8	4000	0	*
S. Farnborough	13.8	-4	WNW	2	c	69	25	32	8	-	-	6	0	7-8	-	0	*
Boscombe Down	14.5	-16	W'S	4	c	64	35	36	8	5	-	6	2-3	7-8	5000	0	*
Thorney Island	14.7	-6	WSW	4	c	62	55	47	8	-	-	4	0	7-8	-	0	*
Lympne	15.3	-6	N'E	8	bc	60	45	40	8	-	-	4	0	2-3	-	0	§3
Manston	14.8	+4	NE'N	5	z	54	65	41	6	-	-	9	0	7-8	-	0	*
Shoeburyness	15.6	+10	NE	6	c	51	75	44	5	-	5	-	0	7-8	-	0	*
Felixstowe	16.6	+14	NE'E	4	c	51	75	44	7	-	-	6	0	9+	-	1	4
Gorleston	17.9	+10	NE'E	4	c	47	85	43	6	5	-	-	10	10	800	0	3
Mildenhall	16.7	+14	NE	3	c	53	65	42	8	-	7	8	0	9+	-	0	*
Cranwell	18.7	+6	NE	4	ir.	44	85	40	7	5	-	-	9+	9+	1500	0	*
Birmingham	16.4	+6	NE	4	bc	54	65	43	8	-	8	1	0	2-3	-	0	*
Upper Heyford	15.0	+14	NE	4	c	55	55	41	7	-	4	8	1	9+	4000	0	*
Ross-on-Wye	14.2	-8	NE'E	5	bcq	61	55	46	8	1	-	-	4-6	4-6	4000	0	*
Hartland Point	15.4	0	WSW	3	c	52	85	48	7	5	1	-	7-8	9+	600	0	3
Bristol	14.7	-8	NW'W	2	c	63	55	47	8	-	3	2	0	7-8	-	0	*
Portland Bill	15.4	-4	SW	1	bc	55	85	51	8	2	-	-	2-3	2-3	4000	0	2
Plymouth	15.8	-10	SSW	2	z	52	97	51	6	2	-	2	Tr	4-6	2500	0	2
The Lizard	15.3	-12	W'N	2	bc	52	85	48	8	8	6	-	4-6	9+	2500	0	2
Scilly (St. Mary's)	15.7	-8	SW'W	2	c	58	85	49	7	8	7	-	7-8	10	1000	0	2
Guernsey																	
Pembroke	15.7	0	WNW	2	bc	54	85	47	7	2	3	3	2-3	4-6	3500	0	2
Holyhead (Valley)	15.3	-4	NE	4	c	53	75	45	6	5	8	-	4-6	9+	3000	0	3
Chester (Sealand)	17.0	+12	NE	4	z	51	55	36	5	5	-	-	10	10	2000	0	*
Manchester	17.2	+4	ENE	4	c	47	75	39	6	4	3	-	7-8	9+	4000	0	*
Spurn Head	19.1	+4	NE'N	4	d.d.	44	75	35	7	7	3	-	4-6	9+	4000	1	3
Catterick	20.6	+8	NE	3	c	44	55	33	7	5	7	-	1	10	3500	1	*
Tynemouth	20.7	+6	NE	4	c	44	75	35	8	8	4	1	4-6	7-8	2500	0	3
St. Abbs Head	20.3	+2	E	2	bc	43	75	36	9	5	4	-	2-3	4-6	3000	0	3
Leuchars	20.9	+6	ESE	3	bc	46	65	33	8	4	-	2	2-3	2-3	4000	0	*
Renfrew (Abbots I.)	19.7	+6	E	3	b	51	35	23	8	5	-	6	Tr	1	3500	0	*
Eskdalemuir	19.6	+6	ENE	3	c	46	45	27	8	5	7	8	1	7-8	3200	0	*
Point of Ayre	17.7	+4	E'S	1	c	48	75	41	8	5	2	-	7-8	10	3000	0	3
Tiree	18.5	0	NE'N	1	bc	50	55	32	9	1	3	-	2-3	2-3	3500	0	3
Stornoway	22.5	0	NE	5	b	45	66	35	8	1	-	-	Tr	Tr	4000	0	3
Dalwhinnie	21.8	+4	NE	3	bc	46	45	25	8	7	-	-	2-3	2-3	2500	0	*
Aberdeen	21.4	+6	ENE	4	bc	44	65	33	8	1	-	-	4-6	4-6	3400	0	
Wick	22.3	+2	NNE	2	c	43	75	34	8	5	-	-	9	9	4800	0	*
Sumburgh	21.1	+4	NNE	3	c/phr	43	75	34	8	8	6	-	4-6	7-8	2500	0	3
Blacksod Point	14.8	-8	ENE	3	o/r	53	92	51	8	5	-	-	10	10	1500	1	3
Malin Head	17.2	0	ENE	3	c	49	75	42	8	5	7	-	2-3	7-8	2500	0	3
Aldergrove	18.0	+6	E'	3	id.	47	65	37	7	5	7	-	2-3	10	5000	0	*
Birr Castle	13.5	-8	N	1	c	62	65	50	7	5	1	-	7-8	10	1500	0	*
Valentia Obsy.	14.1	-4	S'W	3	c	54	85	50	8	5	7	-	9	10	4000	1	2
Roches Point	14.6	-6	SSW	3	c	54	85	50	8	5	3	-	4-6	7-8	2500	0	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 7th (39)	Weather 13h.—18h. 7th (40)	Weather 18h. 7th to 1h. 8th (41)	Weather 1h.—7h. 8th (42)
London (Kew)	bczby	byczy	cz. bcy	bcz.
Croydon	bcyby	bybc	cm.c	cm.c
S. Farnborough	bczby	bbccy	cyz.m.	cm.c
Boscombe Down	bmzby	bcy	cybcm.	bcm.bz.
Thorney Island	bmzwb	bbcy	bccbm.	bcb
Lympne	bczby	bbcby	cz.m.bm.	bcm.c
Manston	bcbzy	bybcz	bcz.cbm.	bm.bcz.
Shoeburyness	bcwzby	cybcbcm		cm.c
Felixstowe	bcmzby	bybcmzc	ccm.bm.	bm.if.c
Gorleston	bcyz	bccmz	bcz.	bcc
Mildenhall	bybcy	bcyc	cbcc	cif.c
Cranwell	bcczy	cir.	c	c
Birmingham	b	bccbc	bcc	cz
Upper Heyford	bczby	bcycy	b	bbcc
Ross-on-Wye	by	bybccy	bcb	bb
Hartland Point	bccF	FFcc	cbc	bccbc
Bristol	by	bcy	bcz.bm.	bcm.cm.
Portland Bill	b	bcbc	b	bcc
Plymouth	bbc	bcc	bcbm.of	ofcmbm.
The Lizard	co	cbcz	bcw	cffcf
Scilly (St. Mary's)	c	c	c	bccof
Guernsey				
Pembroke	bcmz	bcmz	bccwm.	cqm.
Holyhead (Valley)	cbcmmz	czc	cz.	bcz.c
Chester (Sealand)	cyz	czofc	cz.	cz.
Manchester	qczy	cz	cz.	cz.if.
Spurn Head	c	cdodo	o	c
Catterick	crmr	crocy	c	c
Tynemouth	c	cbcc	cbc	bc
St. Abbs Head	c	bc	bcb	bbc
Leuchars	cbcy	bcy	bbcx	bcxbc
Renfrew (Abbots I.)	cr.cy	cbcby	bybz.	bm.mbcm
Eskdalemuir	cy	cy	cybc	bcx
Point of Ayre	c	c	c	c
Tiree	bc	bc	bc	bc
Stornoway	cbc	bcb	bbcb	b
Dalwhinnie	cpcbc	bcy	*	bccbc
Aberdeen	pzbc	cbc	bcb	bx
Wick	bcpzc	czc	p.hpzbcb	bc
Sumburgh	cphzcpr	cpzcc	cbcc	cprocbc
Blacksod Point	d	r	e	r
Malin Head	c	c	c	c
Aldergrove	cid.c	ccid.	e	e
Birr Castle	c	e	*	r
Valentia Obsy.	r	r	r	r
Roches Point	bc	bc	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 8th May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate easterly wind, fair or fine; rather low temperature
5 S.W. England; 6 South Wales	Moderate or fresh easterly wind; cloudy, some coastal fog occasional slight rain later; average temperature
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate Southeast wind; fine; rather low 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	Light variable or southeast wind; fine, average day temperature; slight frost at night.
16 Orkneys and Shetlands	Light variable wind; fair; average temperature
17 N. W. Ireland; 18 N. E. Ireland	As 7-10
19 S. E. Ireland; 20 S. W. Ireland	Moderate Southeast wind; cloudy; occasional rain; average temperature.

GENERAL INFERENCE

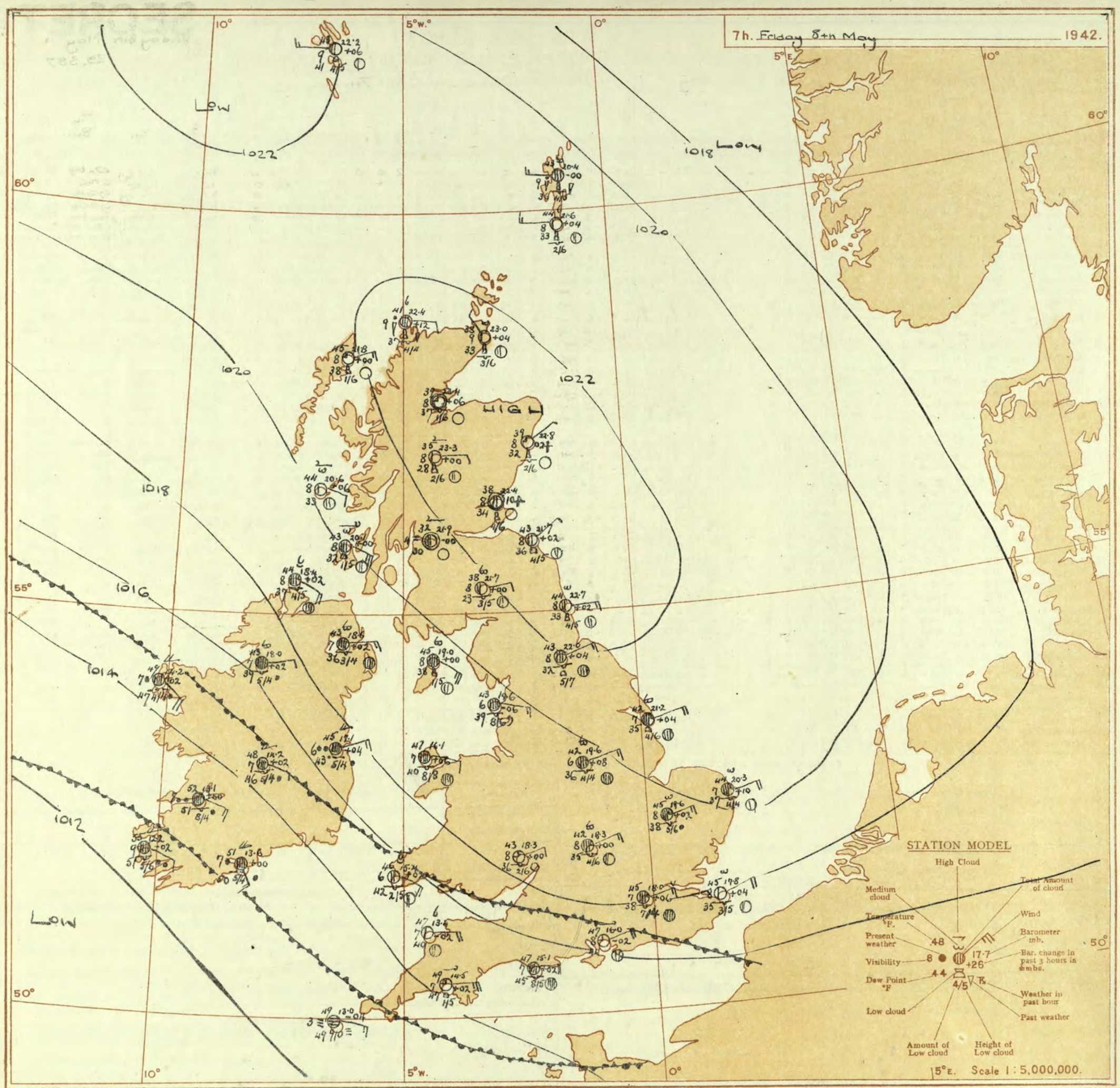
An anticyclone from Iceland to Northeast England is extending slowly southeast and a depression between the Azores is spreading slowly northeast. Weather will be fair or fine in Scotland, Northern England, and Eastern England, but it will be cloudy with occasional rain in South Ireland and later also in the extreme Southwest of England.

FURTHER OUTLOOK

Fair or fine in the North and East; doubtful in the Southwest.

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).

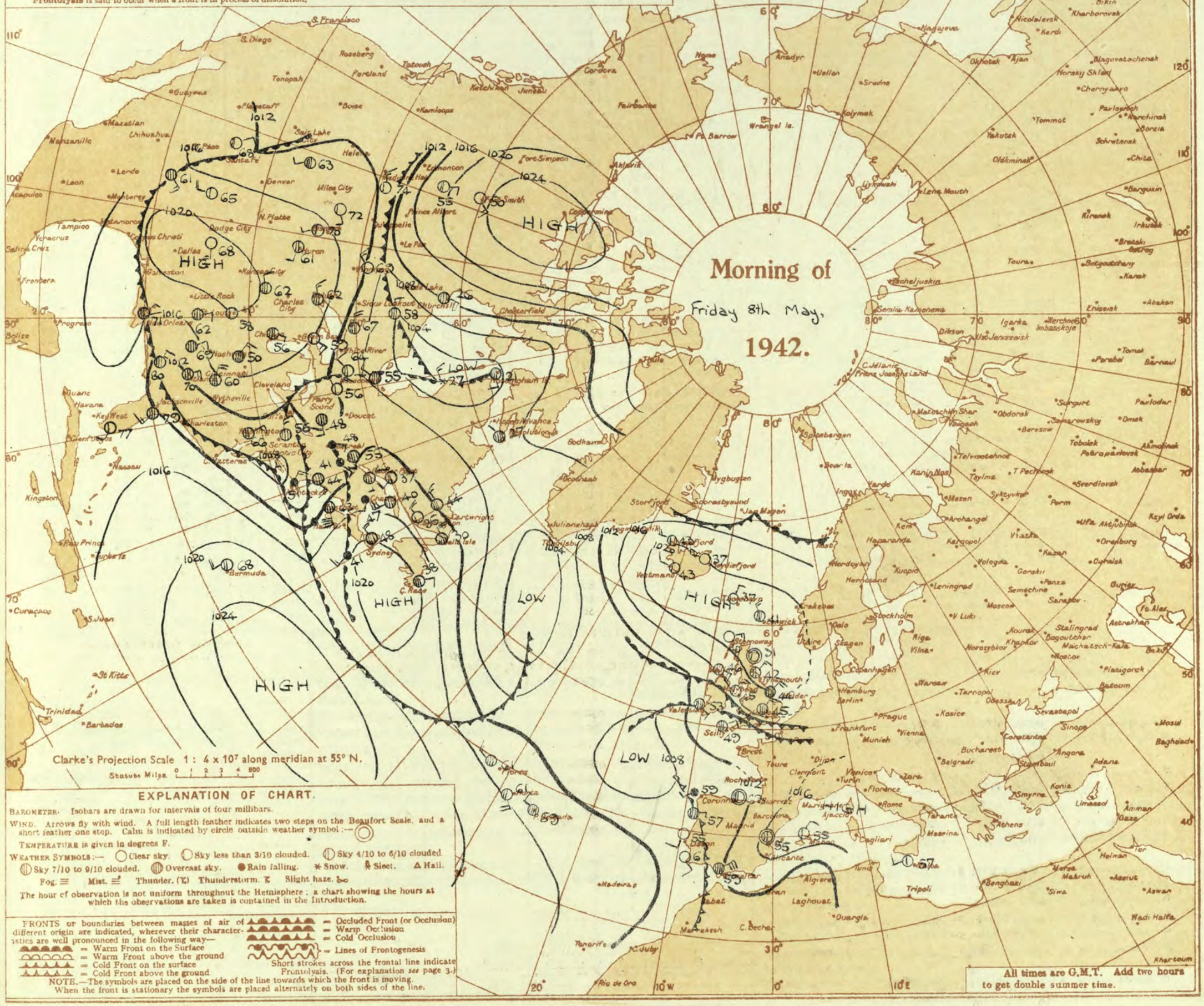
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.



Page 4.

BRITISH SECTION

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

Friday 8th May 1942

No. 29,387

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

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	17·7	+4	NE	4	c	45	85	41	6	5	–	–	10	10	800
	S. Farnborough	226	17·3	+6	E'N	3	z0	45	85	39	6	5	–	–	9+	9+	1100
	Boscombe Down	417	17·0	-1	ENE	3	z0	46	75	38	6	–	–	6	0	4-6	–
	Thorney Island	10	16·2	+6	ENE	4	z0	46	97	45	6	–	6	–	0	1	–
	Lympne	283	17·4	0	NE	4	z0	44	92	42	7	–	–	–	0	0	–
	Manston	154	17·6	+2	NE'E	4	z0	44	85	39	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·7	+6	NE'E	5	z0	44	75	37	6	–	–	–	0	0	–
	Gorleston	5	19·3	+4	E	4	z0	45	65	34	6	5	–	–	4-6	4-6	2500
	Mildenhall	15	19·5	+6	NNE	2	c	39	85	35	7	5	–	1	7-8	9	4200
	Cranwell	203	20·4	+2	ENE	3	c	42	75	35	7	5	–	–	10	10	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·5	+10	NE'N	3	b	41	85	36	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·9	-4	NNE	2	bc	49	92	47	7	5	–	–	4-6	4-6	2500
	Bristol	209	17·9	+10	E'S	3	z0	43	85	40	6	–	7	1	0	4-6	–
	Portland Bill	32	14·8	-4	E	3	b	48	92	46	7	–	–	–	0	0	–
	Plymouth	82	15·2	-2	–	0	F	48	97	48	1	–	–	–	10	10	<150
	The Lizard	240	15·0	0	NE'N	2	bc	46	97	45	7	8	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	14·9	-6	ENE	2	c	49	97	48	6	5	–	–	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	15·5	-4	E'N	3	c	47	97	46	6	2	3	–	2-3	7-8	4000
7	Holyhead (Valley)	32	15·6	+2	NE	3	bc	45	75	38	7	–	–	2	0	2-3	–
	Chester (Sealand)	16	09·4	0	E'S	3	c	44	65	34	6	5	–	–	10	10	4000
8	Manchester	235	20·0	+2	E	3	z0	42	75	34	5	5	–	–	10	10	3200
10	Spurn Head	29	21·4	+2	ENE	4	o	44	75	37	7	5	–	–	10	10	800
	Catterick	175	21·7	+2	NE	1	c	41	85	35	7	5	7	–	7-8	9	5000
	Tynemouth	108	21·7	+2	NE	3	bc	42	75	34	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	21·9	+2	NE	1	bc	40	75	34	8	1	–	–	2-3	2-3	2500
	Leuchars	36	22·8	+4	–	0	bc	34	92	32	8	1	–	–	2-3	2-3	3000
12	Renfrew (Abbots I.)	19	21·8	+2	NE'E	2	z0	38	85	32	6	–	–	–	0	0	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·3	+2	SE'S	5	c	45	75	36	8	8	2	–	7-8	10	2000
13A	Tiree	22	20·1	+4	ESE	4	bc	43	92	41	8	5	–	–	2-3	2-3	3500
13B	Stornoway	80	23·0	0	ENE	3	b	40	85	35	8	–	–	–	0	0	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22·9	-2	–	0	b	31	92	30	8	5	–	–	Tr	Tr	4000
	Wick	114	23·0	0	WNW	1	bc	33	92	30	8	2	–	–	2-3	2-3	3000
16	Sumburgh	19	21·6	-2	NNW	3	c	41	75	34	8	5	6	–	7-8	9	3000
17	Blacksod Point	18	14·6	-2	SE	3	c	51	85	47	7	5	–	–	10	10	1500
18	Malin Head	84	18·4	-2	ESE	4	c	46	65	35	8	6	7	–	4-6	9+	2500
	Aldergrove	268	15·8	0	E'N	3	c	47	75	35	7	5	–	–	10	10	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Valentia Obsy.	30	13·5	-6	SE'E	2	fofo	53	92	51	7	5	2	–	7-8	10	2500
	Roches Point	22	14·8	-2	WSW	2	fofo	52	97	51	8	6	2	–	7-8	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	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)	17·6	+2	ENE	5	z0	46	65	36	6	8	–	–	7-8	7-8	2500	0	*
Croydon	18·0	+6	ENE	3	c	45	75	38	7	5	–	–	9+	9+	1500	0	*
S. Farnborough	17·4	0	ENE	3	c	45	75	37	7	5	–	–	5	9	1000	0	*
Boscombe Down	16·9	+2	ENE	4	b	44	75	37	7	5	–	–	1	1	1800	0	*
Thorney Island	16·0	-2	ENE	4	b	47	85	44	8	–	–	1	0	Tr	–	0	*
Lympne	17·9	+2	ENE	4	b	45	75	37	8	5	4	1	Tr	Tr	1500	0	§5
Manston	17·8	+4	ENE	4	bc	45	65	35	8	5	3	–	2-3	2-3	2000	0	*
Shoeburyness	18·7	+4	ENE	5	bc	46	75	38	7	5	–	–	4-6	4-6	1800	0	*
Felixstowe	19·3	+6	NE'E	4	c/r	44	75	37	7	5	–	–	4-6	10	800	1	4
Gorleston	20·3	+10	E'N	4	c	44	75	35	7	5	3	–	4-6	9	1500	0	3
Mildenhall	19·6	+2	E'N	3	c	45	75	37	8	5	3	–	7-8	9	4000	0	*
Cranwell	20·7	+2	E	3	c	43	75	36	8	5	–	–	10	10	2500	0	*
Birmingham	19·0	0	E	3	z0	43	75	36	6	5	–	–	10	10	1500	0	*
Upper Heyford	18·3	0	ENE	3	c	42	75	35	8	5	7	–	4-6	9+	4000	0	*
Ross-on-Wye	18·3	0	ENE	2	b	43	75	36	8	5	–	–	1	1	3500	0	*
Hartland Point	13·4	-2	E	4	bc	47	75	39	7	–	4	–	0	2-3	–	0	4
Bristol	18·1	0	E'S	2	z0	42	85	38	6	5	–	–	10	10	1100	0	*
Portland Bill	15·1	+2	E	4	c	47	92	45	7	5	–	–	10	10	2500	0	
Plymouth	14·5	+2	E	5	z0	49	92	46	7	1	–	1	Tr	Tr	2500	0	2
The Lizard	12·7	-6	E	5	o	48	92	46	7	5	–	–	10	10	800	0	4
Scilly (St. Mary's)	13·0	-4	E'S	3	f+	49	97	49	3	–	–	–	10	10	<150	0	2
Guernsey																	
Pembroke	15·2	-2	ESE	7	cq	47	75	40	7	2	3	1	2-3	7-8	3000	0	4
Holyhead (Valley)	16·1	+6	E'S	2	c	47	75	39	7	5	–	–	10	10	7000	0	2
Chester (Sealand)	19·3	+2	E'S	3	c	44	65	34	7	5	2	–	4-6	10	1500	0	*
Manchester	19·5	+2	E	3	c	42	75	33	7	–	7	–	0	10	–	0	*
Spurn Head	21·2	+4	ENE	4	c	42	75	34	7	1	7	–	4-6	9+	4000	0	3
Catterick	22·0	+4	ENE	3	c	43	63	33	8	7	–	–	7-8	7-8	5800	0	*
Tynemouth	22·7	+2	E	3	bc	44	65	43	8	2	3	–	4-6	4-6	2600	0	3
St. Abbs Head	21·7	+2	NE	1	bc	43	75	34	8	1	–	–	4-6	4-6	2500	0	3
Leuchars	22·4	+10	–	0	bc	38	85	34	8	2	–	–	4-6	4-6	3000	0	*
Renfrew (Abbots I.)	21·9	0	–	0	m	32	92	30	4	–	–	5	0	4-6	–	0	*
Eskdalemuir	21·7	0	E'N	2	bc	38	55	23	8	5	7	–	2-3	4-6	2500	0	*
Point of Ayre	19·0	0	SE	5	c	45	75	36	8	2	7	–	Tr	10	2000	0	4
Tiree	20·6	+6	ESE	2	bc	44	65	34	8	–	3	5	0	2-3	–	0	3
Stornoway	21·8	0	ENE	3	b	45	75	38	8	2	–	–	Tr	Tr	3500	0	1
Dalwhinnie	23·3	0	E	2	bc	35	75	26	8	2	–	5	1	2-3	4000	1	*
Aberdeen †	22·6	+2	NW	2	b	37	75	31	7	5	–	–	1	1	3400	1	2
Wick	23·0	+4	NW	1	bc	38	85	33	9	8	3	–	2-3	2-3	4000	0	*
Sumburgh	21·6	+4	W	3	bc	44	65	33	8	8	4	–	1	2-3	3000	0	*
Blacksod Point	14·2	+2	SE	4	ifo	49	92	47	7	6	2	–	4-6	10	1500	1	3
Malin Head	18·4	+2	SE'E	4	c	44	75	37	7	6	2	–	4-6	10	2500	0	4
Aldergrove	18·6	+2	E	3	c	43	75	36	7	5	7	–	2-3	10	1400	0	*
Birr Castle	14·2	+2	ESE	1	c	48	92	46	7	5	2	–	7-8	10	1500	1	*
Valentia Obsy.	12·2	-2	ESE	2	c/r	55	85	51	9	5	2	–	7-8	10	4000	1	2
Roches Point	13·6	0	SSE	3	ifo	51	97	50	7	6	2	–	7-8	10	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
London (Kew)	72	42	38	–	–	11·6
Croydon	74	43	43	–	–	12·1
S. Farnborough	73	43	39	–	–	1·2
Boscombe Down	71	41	36	–	–	10·8
Thorney Island	67	43	39	–	–	*
Lympne	68	42	39	–	–	13·6
Manston	70	43	41	–	–	12·1
Shoeburyness	75	43	41	–	–	12·2
Felixstowe	74	33	33	–	Tr	10·8
Gorleston	64	43	40	–	–	10·8
Mildenhall	73	38	34	–	Tr	11·0
Cranwell	65	41	40	–	–	6·1
Birmingham	69	41	40	–	–	11·0
Upper Heyford	70	39	36	–	–	*
Ross-on-Wye	72	38	31	–	–	11·1
Hartland Point	59	46	42	–	–	6·8
Bristol	70	41	38	–	–	12·3
Portland Bill	56	44	*	–	–	*
Plymouth	59	45	40	–	–	12·1
The Lizard	54	50	*	–	–	4·3
Scilly (St. Mary's)	56	47	*	–	–	1·0
Guernsey						
Pembroke	56	40		–	–	10·5
Holyhead (Valley)	60	43	40	–	–	*
Chester (Sealand)	62	44	44	–	–	3·5
Manchester	63	41	41	–	Tr	*
Spurn Head	55	42	*	Tr	–	3·5
Catterick	53	37	36	0·4	–	0·0
Tynemouth	51	42	39	–	–	*
St. Abbs Head	60	39		–	–	
Leuchars	49	32	28	–	–	9·9
Renfrew (Abbots I.)	55	30	22	–	–	6·5
Eskdalemuir	54	28	23	–	–	3·4
Point of Ayre	50	43	*	–	–	0·0
Tiree	53	40	*	–	–	12·0
Stornoway	48	37	*	–	–	13·2
Dalwhinnie	49	22	20	Tr	–	11·1
Aberdeen †	49	30	25	Tr	–	8·4
Wick	48	30	28	Tr	Tr	
Sumburgh	47	37	27	1	–	8·3
Blacksod Point	54	47	*	2	1	
Malin Head	50	43		–		0·0
Aldergrove	52	41	41	Tr	Tr	0·0
Birr Castle	65	47	45	–	2	
Valentia Obsy.	60	53	50	2	1	
Roches Point	59	51	*	–	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th May ... 18h. G.M.T. — 01h. G.M.T. 8th May ... 07h. G.M.T.

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN
109 8-	25855	31885	87	10856	28187	87	01853	27214	87	00952	00013
115 87	02844	04388				54	01943	08314	84	81944	08285
203						10	01943	04313			
206 26	01904	08414	4-	02966	08326	40	00961	00001	50	00861	00001
210 8-	01983	02313	25	02961	06315	50	01962	00012	80	00862	16102
220			10	01962	08402						
230 7-	02966	04227	70	01965	08115	00	00990	08300			
245 80	02965	07485	86	00973	07413	50	00861	30101	20	00951	00001
260 11	02862	03415	10	01871	02314	00	00890	04100	10	05661	15101
278 57	02855	10428	57	61851	09467	07	02890	09428	07	02890	09427
279 57	02854	07428	57	02863	07526	04	00890	04311	70	01774	06404
285									23	01754	10415
288 52	61645	04368	52	02844	02328	50	05643	00013	53	01853	00014
575 62	54646	07158	52	02745	07358	57	61645	08368	57	02745	07268
301 5-	22668	30368	5-	02758	08568				5-	05668	09358
321 5-	02858	01428	57	61755	01368	5-	05668	00068	5-	02868	05328
299 5-	14747	02427	50	02766	02316	5-	01754	02414	74	02854	04315
292 52	05656	02328	52	02846	04268	5-	22867	04167	5-	02866	06266
310									--	03628	04528
614 17	05854	02328	57	61654	04427	5-	05548	06328	57	05644	06328

13h. G.M.T. 7th May ... 18h. G.M.T. — 01h. G.M.T. 8th May ... 07h. G.M.T.

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN
333 5-	02754	12215	14	01762	28314	03	05690	04414	57	02875	06327
334 --	01763	24214							--	02664	28215
340 26	02863	22117	06	05690	09413	5-	05668	12328	52	02855	08428
136 5-	05676	32416	5-	61745	04428	5-	61768	04368	5-	02844	06327
336 04	01790	18412	54	01754	28415				13	01762	08413
350 00	00890	26301	5-	02864	35516	5-	02763	03323	7-	02868	04428
368 00	00890	24313	50	05524	24326	03	05690	05443	5-	05647	06327
379 00	00890	28203	20	05653	02526	00	05690	04400	50	01753	06413
390 00	00790	26201	57	05572	35417	50	05661	06411	57	02742	08326
382 00	00890	20301	57	02763	38427	04	05690	04201	13	00761	06301
438 00	00790	24300							70	01754	04524
430 00	00890	18410	00	01890	19314	00	00790	04300	08	00890	04411
409 5-	01722	26205	5-	05617	30227	5-	08408	04128	03	05690	12216

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 May
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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	bcz0by	byc z0y	cz0bcyz0	Kew 24 hours ended 7h. Max. 0·1 Time 18-19h on 7th; Min. <0·1 Time 9-17h on 7th
Croydon	bcyby	bybc	cmfm0	
Greenwich				
Camden Square			*	
Kensington			*	
Hampstead				

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	72	42	38	–	–	11·6	*	*
Croydon	74	43	43	–	–	12·1	*	*
Greenwich								
Westminster								
Regents Park								
Camden Square						*	*	
Kensington								
Hampstead							*	

BRITISH SECTION

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

SECRET

Saturday 9th May 1942

No. 29388

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

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)	16·8	−6	NNE	4	2o	54	45	32	6	–	–	–	0	0	–
	Croydon ...	17·3	−2	NE'E	4	b	52	45	31	8	–	–	–	0	0	–
	S. Farnborough	15·9	−10	E	4	b	57	45	37	7	–	–	–	0	0	–
	Boscombe Down	15·2	−14	E'N	3	2o	60	45	40	6	–	–	–	0	0	–
	Thorney Island	14·5	−14	E'N	4	b	63	65	52	8	–	–	1	0	Tr	–
	Lympne ...	17·7	−2	ENE	5	b	51	45	31	8	–	–	–	0	0	–
	Manston ...	17·7	−4	NE'E	5	bc	49	55	35	8	5	3	–	1	2-3	2500
2	Shoeburyness...	18·6	+2	ENE	5	bc	50	65	38	8	7	3	–	4-6	4-6	2500
	Felixstowe ...	15·1	−6	ENE	5	c	49	65	37	8	5	3	6	Tr	9	800
	Gorleston ...	20·5	−4	ENE	4	bc	46	55	32	8	1	3	–	4-6	4-6	2000
	Mildenhall ...	18·7	−10	E'N	3	b	55	45	31	9	–	3	1	0	1	–
	Cranwell ...	20·0	−6	E	4	c	49	65	35	8	1	7	–	Tr	9+	3000
3	Birmingham ...	17·5	−6	E	3	2o	53	55	38	6	–	4	–	0	2-3	–
	Upper Heyford	16·8	−18	ENE	4	c	55	45	34	7	–	–	8	0	9	–
4	Ross-on-Wye	16·2	−14	ENE	3	b	54	55	39	8	–	–	1	0	Tr	–
5	Hartland Point	13·1	−8	ENE	3	b	53	75	45	7	–	–	–	0	0	–
	Bristol ...	15·9	−12	NE	4	b	59	65	45	8	1	–	–	Tr	Tr	4000
	Portland Bill ...	14·3	−18	E	4	bc	52	92	50	8	5	–	–	4-6	4-6	4000
	Plymouth ...	13·4	−14	E	4	2o	55	75	47	7	5	–	1	Tr	Tr	1500
	The Lizard ...	12·2	−10	E'N	5	c	52	85	47	7	8	6	–	4-6	7-8	2500
	Scilly (St. Mary's)	11·6	−6	E'S	5	c	54	85	49	6	5	3	–	4-6	10	300
	Guernsey ...															
6	Pembroke ...	14·4	−10	SE'E	5	bc	53	75	45	7	–	7	–	4-6	4-6	7000
7	Holyhead (Valley)	15·6	−4	SW'W	2	2o	54	65	42	6	5	–	–	9+	9+	7000
	Chester (Sealand)	18·0	−8	E	4	2o	53	55	35	6	5	–	–	9+	9+	5000
8	Manchester ...	18·9	−10	E	4	c	49	55	34	7	5	7	–	4-6	10	4000
10	Spurn Head ...	21·4	−4	ENE	4	c	45	65	34	7	1	–	1	4-6	7-8	4000
	Catterick ...	20·1	−10	SSE	3	c	54	45	42	8	4	–	–	7-8	7-8	3000
	Tynemouth ...	22·8	−2	SE	4	bc	47	65	36	8	2	–	–	2-3	2-3	3000
11	St. Abbs Head	21·3	+6	ESE	3	bc	48	65	36	8	1	–	–	4-6	4-6	2500
	Leuchars ...	22·0	−4	E	3	bc	49	55	34	8	1	–	–	2-3	2-3	3000
12	Renfrew (Abbots I.)	19·4	−14	SE	3	bc	57	35	28	8	1	–	–	4-6	4-6	2500
	Eskdalemuir ...	19·0	−10	ESE	3	bc	50	45	26	8	7	–	–	4-6	4-6	3200
	Point of Ayre...	18·8	−2	SE	4	c	52	65	38	8	–	3	–	0	7-8	–
13A	Tiree ...	19·8	−8	SE'E	2	b	51	45	42	8	1	–	5	Tr	1	4000
13B	Stornoway ..	21·8	−4	NE	4	b	49	65	39	8	1	–	–	1	1	4000
15	Dalwhinnie ...	21·5	−2	ESE	4	bc	50	45	27	8	1	–	–	4-6	4-6	4000
	Aberdeen ...	22·7	−2	SE	3	b	48	55	33	8	8	–	–	1	1	4000
	Wick ...	22·6	−2	ESE	2	bc	47	65	35	9	8	3	–	2-3	2-3	5500
16	Sumburgh ...	21·3	−4	W	4	bc	48	75	41	8	7	–	–	2-3	2-3	3000
17	Blacksod Point	14·1	−2	SE	4	1o	50	92	49	7	6	2	–	4-6	10	1500
18	Malin Head ...	17·4	−6	ESE	4	bc	46	65	35	8	4	4	–	2-3	4-6	4000
	Aldergrove ...	18·3	−4	SE	3	2o	49	75	42	6	7	7	–	4-6	9	2500
19	Birr Castle ...	14·1	−2	ESE	2	c	53	85	49	7	6	2	–	7-8	10	800
20	Valentia Obsy.	11·7	−6	E	2	1o	62	75	54	8	1	7	–	1	10	2500
	Roches Point	13·4	−2	SE'E	4	c	53	92	49	8	8	–	–	9+	9+	1500

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16·1	0	E'N	5	b	50	35	23	7	–	–	–	0	0	–	0	*
	Croydon ...	16·4	−4	ENE	4	b	45	65	33	8	–	–	–	0	0	–	0	*
	S. Farnborough	15·1	0	E'N	4	b	51	45	28	8	–	–	–	0	0	–		*
	Boscombe Down	14·4	−2	E'N	4	2o	55	45	33	6	–	–	–	0	0	–	0	*
	Thorney Island	13·9	−4	NE	5	b	55	65	43	8	–	–	–	0	0	–	0	*
	Lympne ...	16·9	−2	NE	4	b	45	65	35	8	–	–	–	0	0	–	0	§4
	Manston ...	16·7	−6	NE'E	5	b	45	65	35	8	–	–	–	0	0	–	0	*
2	Shoeburyness...	17·6	−4	NE	5	b	45	65	35	8	–	–	–	0	0	–	0	*
	Felixstowe ...	17·9	−8	NE'E	5	bc	44	75	35	8	5	3	–	2-3	4-6	4000	0	4
	Gorleston ...	19·6	−4	NE'E	5	bc	45	65	34	8	1	–	–	4-6	4-6	2000	0	4
	Mildenhall ...	18·0	−2	ENE	4	c	48	55	31	8	–	3	–	0	9	–	0	*
	Cranwell ...	19·1	−2	E'N	4	c	44	65	34	8	–	7	–	0	10	–	0	*
3	Birmingham ...	16·2	−4	ENE	4	bc	53	55	38	8	–	7	–	0	2-3	–	0	*
	Upper Heyford	15·0	−2	ENE	4	b	54	65	42	8	–	–	4	0	Tr	–	0	*
4	Ross-on-Wye	14·7	−10	ENE	3	b	57	45	37	8	–	–	–	0	0	–	0	*
5	Hartland Point	11·0	−12	NE	3	b	61	45	41	7	–	–	–	0	0	–	0	3
	Bristol ...	14·2	−2	E	4	b	58	55	43	8	–	–	–	0	0	–	0	*
	Portland Bill ...	12·1	−12	E	4	bc	49	92	47	8	5	–	–	4-6	4-6	4000	0	3
	Plymouth ...	11·8	−8	E	3	b	58	75	48	7	–	–	1	0	Tr	–	0	3
	The Lizard ...	10·3	−10	ENE	5	bc	52	75	43	7	8	6	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	09·4	−16	E'N	5	c	52	85	46	7	5	–	3	2-3	7-8	800	0	4
	Guernsey ...																	
6	Pembroke ...	12·4	−14	SE	5	b	56	65	43	7	–	7	1	0	1	–	0	3
7	Holyhead (Valley)	13·9	−10	NE'E	2	2o	55	55	41	6	5	3	–	Tr	9+	6000	0	1
	Chester (Sealand)	16·9	+2	E'N	3	c	52	45	33	7	5	–	–	9	9	5500	0	*
8	Manchester ...	13·6	−4	E	4	c	49	55	33	7	5	3	–	7-8	9+	4000	0	*
10	Spurn Head ...	20·6	−4	E'N	5	c	43	65	33	7	1	3	1	4-6	7-8	4000	0	3
	Catterick ...	19·7	+4	ESE	3	b	49	45	30	9	1	5	–	Tr	1	3500	0	*
	Tynemouth ...	21·5	−2	SE	4	bc	45	65	34	8	1	–	–	2-3	2-3	3000	0	3
11	St. Abbs Head	21·2	−2	ESE	3	bc	45	65	35	9	1	–	–	2-3	2-3	3000	0	3
	Leuchars ...	21·4	−2	SE	4	b	46	55	30	9	1	–	–	Tr	Tr	3000	0	*
12	Renfrew (Abbots I.)	18·2	−6	ENE	4	b	51	45	30	7	–	–	–	0	0	–	0	*
	Eskdalemuir ...	18·8	0	ESE	4	bc	48	75	38	8	1	–	–	2-3	2-3	3500	0	*
	Point of Ayre...	16·9	−8	SSE	4	c	51	75	42	8	5	–	–	9+	9+	6000	0	3
13A	Tiree ...	18·2	−4	NNE	2	b	48	75	39	8	–	–	5	0	Tr	–	0	4
13B	Stornoway ..	20·6	−4	NNE	3	b	47	75	39	8	–	–	–	0	0	–	0	3
15	Dalwhinnie ...		−6	ESE	4	bc	48	45	26	8	7	–	–	2-3	2-3	4000	0	*
	Aberdeen ...	22·0	−4	SE'S	3	b	45	65	34	7	7	–	–	Tr	Tr	4000	0	2
	Wick ...	21·9	−6	SE	2	b	45	65	34	9	1	–	–	1	1	5500	0	*
16	Sumburgh ...	21·5	+2	NW	3	c	47	75	40	9	8	7	–	4-6	7-8	1500	0	3
17	Blacksod Point	13·5	−6	SE'E	4	c	52	85	48	7	8	–	–	9+	9+	1500	1	3
18	Malin Head ...	16·0	−6	ESE	4	c	51	55	36	8	4	4	–	4-6	7-8	2500	0	4
	Aldergrove ...	17·1	−6	E'S	3	c	48	65	33	7	5	9	–	2-3	10	5700	0	*
19	Birr Castle ...	13·1	−8	ESE	1	c	54	75	47	7	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	10·5	−8	E'N	3	c	60	75	53	8	8	7	1	4-6	7-8	4000	0	1
	Roches Point	12·2	−10	E	4	bc	52	85	48	7	1	3	–	1	4-6	4000	1	4

PAST 24. HOURS.

District	Stations.	Weather. 7h.—13h. 8th (39)	13h.—18h. 8th (40)	18h.—1h. 8th to 9th (41)	1h.—7h. 9th (42)
1	London (Kew)	bcbzoy	bzoby	by	bbcczo
	Croydon ...	cbccby	bzo	b,cmo	cmoVcmo
	S. Farnborough	cbjkz	bjkz	bjkzb	bbccmo
	Boscombe Down	bzoy	bzoy	bzoymo	bcmoc
	Thorney Island	m	b	b	bbc
	Lympne ...	bby	by	b	b
	Manston ...	bcbbc	byb	b	bccmo
2	Shoeburyness...	cbc	bcb	bbc	c
	Felixstowe ...	ccirc	cbcbbc	bcbbc	bccbc
	Gorleston ...	cbcy	bcybc	bc	bc
	Mildenhall ...	cbcby	bybc,ycy	cybx	bxbmob
	Cranwell ...	c	cyc	cbcb	bxb
3	Birmingham ...	cbz	bbc	b	bbcz
	Upper Heyford	c	cyby	b	b
4	Ross-on-Wye	bby	by	by	bbc
5	Hartland Point	bcb	by	by	bcc
	Bristol ...	b	by	bbzo,bzo	bzob,cmo
	Portland Bill ...	cbc	bcbc	bcbc	bcbc
	Plymouth ...	cmobmo	bzo	b	bbcc
	The Lizard ...	c	bc	bcc	cprc
	Scilly (St. Mary's)	ofc	c	c	cifo
	Guernsey ...				
6	Pembroke ...	cbc	bcbzo	bcb	bbcq
7	Holyhead (Valley)	czo	czo	czobcyb	b
	Chester (Sealand)	czoy	czoy	bzo	bzow
8	Manchester ...	c	c	bzo	b
10	Spurn Head ...	c	c	bc	c
	Catterick ...	cbcy	bcy	b	bmobw
	Tynemouth ...	bc	bc	bc	bc
11	St. Abbs Head	bc	bcb	bbc	bc
	Leuchars ...	bcbcy	bcyby	bc	bcxbc
12	Renfrew (Abbots I.)	bcmobcy	bcby	byb	b,momx
	Eskdalemuir ...	bcy	bcby	bbc	bcx
	Point of Ayre...	c	c	cbcb	b
13A	Tiree ...	by	b	b	b
13B	Stornoway ..	b	b	b	b
15	Dalwhinnie ...	bcy	bcby		bc
	Aberdeen ...	bcb	by	b	bzo bx
	Wick ...	bc	bcbyv	b	b
16	Sumburgh ...	bbcuprobc	bcpro	cbccbc	bc
17	Blacksod Point	r	r	c	c
18	Malin Head ...	c	bc	bc	bc
	Aldergrove ...	c	czoc	czozabczo	cbcb
19	Birr Castle ...	r	c		bc
20	Valentia Obsy.	r	r	bc	c
	Roches Point	r	bc	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 9th May 1942.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Fresh easterly winds, fine but cloudy during the early hours of the morning. Rather cool with local night frost.
5 S.W. England ♠ 6 South Wales ♠	Strong easterly wind, Cloudy, local slight rain, temperature below average.
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	Moderate to fresh east to southeast winds; but light in the North. Fine rather cool with local night frost particularly in the North.
14 Mid Scotland 15 N.E. Scotland	Light variable winds. Fine, rather cool. Local frost tonight.
16 Orkneys and Shetlands	Light or moderate northwest wind. Showery, average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 6-13.

GENERAL INFERENCE

An anticyclone extending from the central north sea to southeast of Iceland is almost stationary. Weather will be fine in most areas but there will be occasional light rain in the extreme southwest, and showers in the Shetlands. Temperature rather below average, local frost at night.

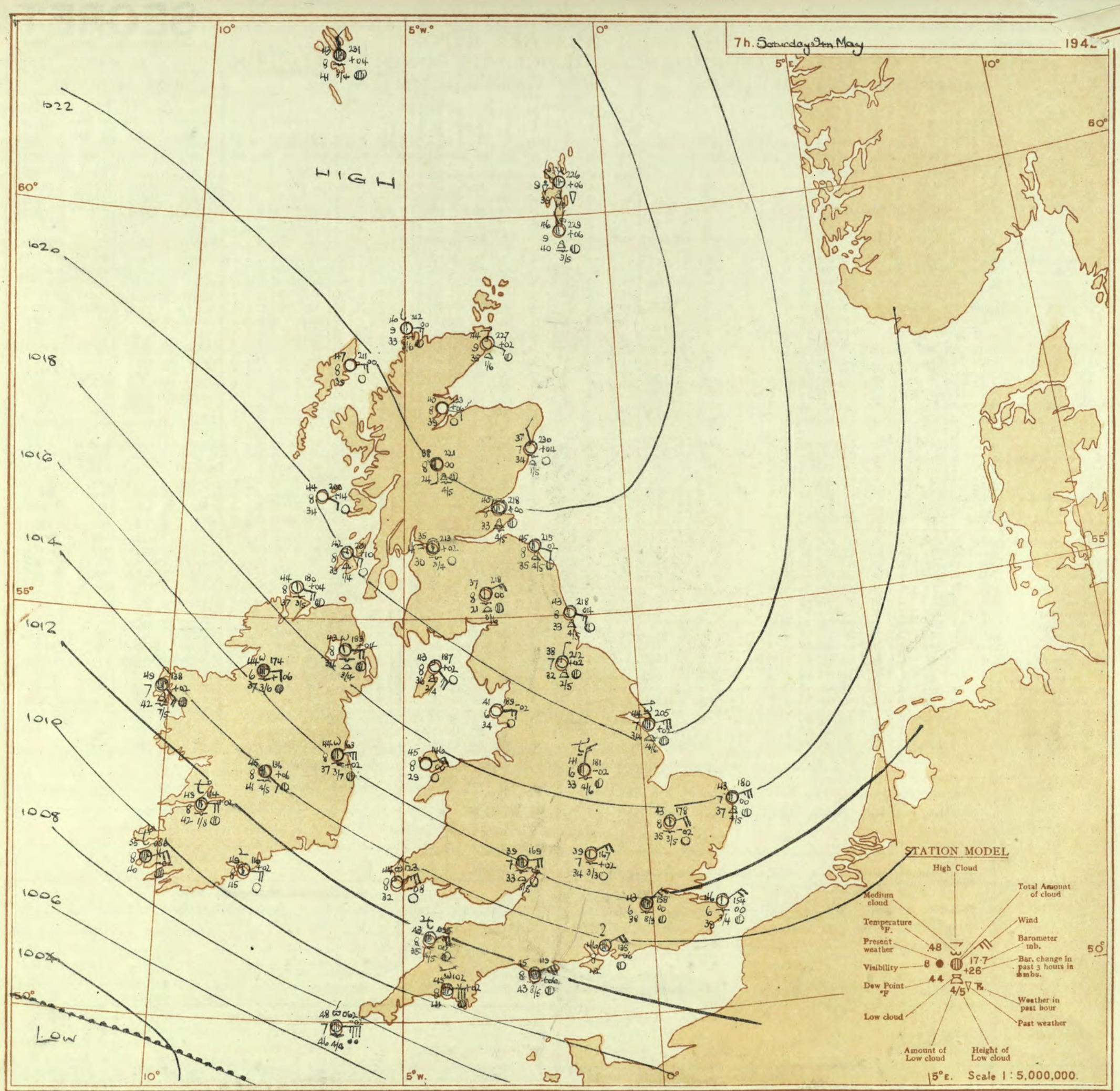
FURTHER OUTLOOK

Little change

♠ Gale warning in operation in districts 5, 6 Issued at 08.05 9-5-42

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.

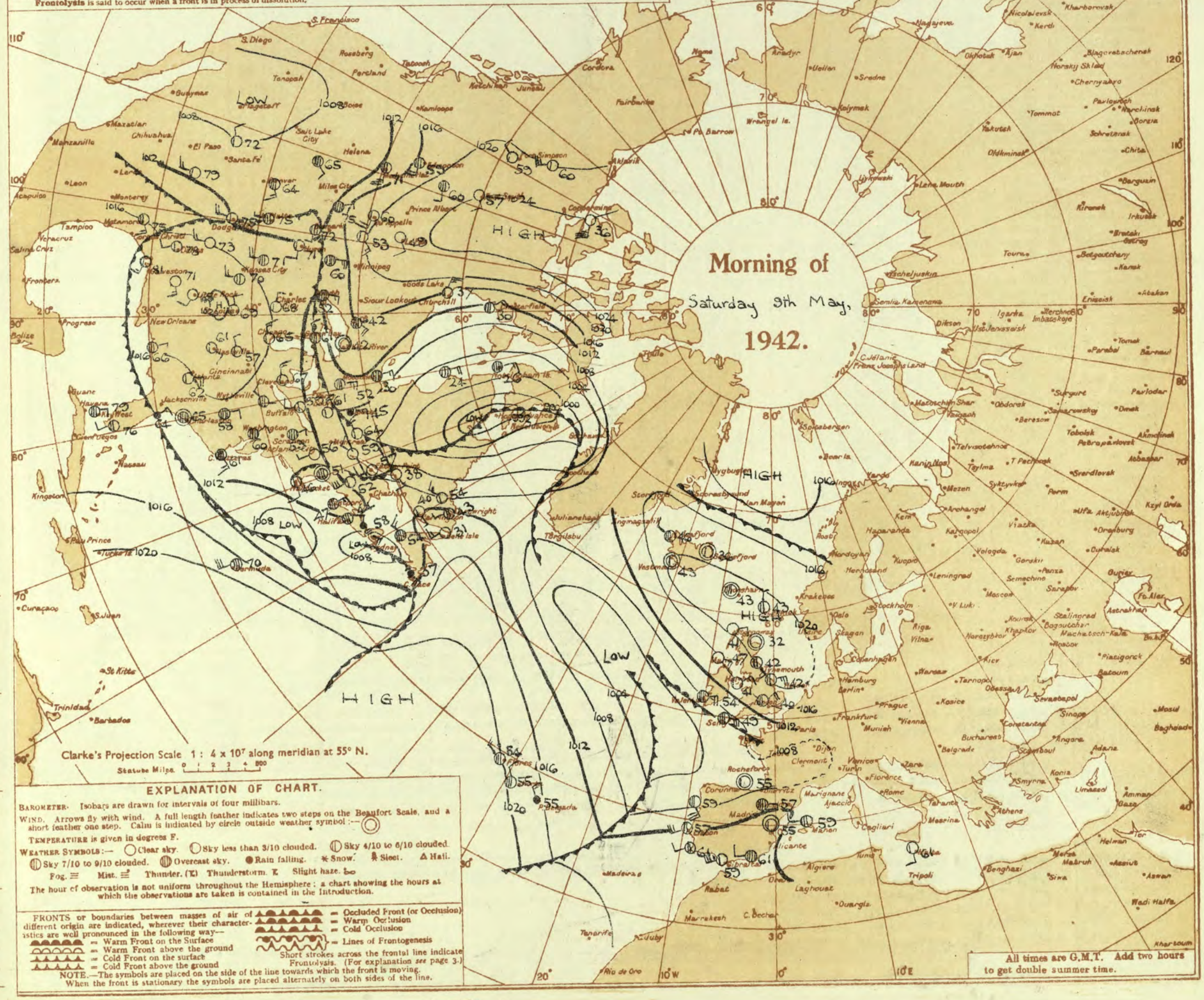
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

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

BRITISH SECTION

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

Saturday 9th May 1942

No. 29388

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

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	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·2	-8	NE	4	c	40	85	35	6	5	-	1	10	10	1200
	S. Farnborough	226	16·1	-2	ENE	3	b	39	75	32	7	-	-	2	0	1	-
	Boscombe Down	417	15·5	+2	NE'E	4	zo	39	75	31	6	-	-	1	0	2-3	-
	Thorney Island	10	14·2	-4	NE	4	b	42	92	39	8	-	-	-	0	6	-
	Lympne ..	283	16·4	-6	NE	4	b	42	92	40	7	-	-	-	0	0	-
	Manston ...	154	16·1	-6	NE'E	4	b	43	85	37	7	5	-	-	Tr	Tr	3000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·6	-6	NE	5	bc	42	85	37	8	5	-	-	2-3	2-3	1500
	Gorleston ...	5	19·4	-4	E'N	3	bc	42	75	36	7	1	-	-	4-6	4-6	2000
	Mildenhall ...	15	18·3	-6	NE	1	b	33	92	31	7	-	-	-	0	0	-
	Cranwell ...	203	19·9	+2	NE	2	b	34	85	31	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·6	-2	ENE	4	b	37	85	32	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·4	-10	E	5	b	46	35	21	7	-	-	-	0	0	-
	Bristol ...	209	16·0	+6	E	4	zo	40	75	33	6	-	-	1	0	Tr	-
	Portland Bill ...	32	11·7	-4	E	5	bc	47	92	45	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	10·6	-8	E	5	b	47	65	37	7	-	7	-	0	Tr	-
	The Lizard ...	240	09·7	-4	ENE	6	c	49	75	40	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	08·2	-6	E	6	c	49	85	44	7	5	-	-	7-8	7-8	800
	Guernsey ...	175															
6	Pembroke ...	142	13·1	0	E'N	5	b	48	65	39	7	-	-	1	0	1	-
7	Holyhead (Valley)	32	14·9	+2	NE	3	b	41	65	31	7	-	3	-	0	Tr	-
	Chester (Sealand)	16	11·8	+2	E	2	bc	39	75	32	6	-	3	-	0	2-3	-
8	Manchester ...	235	18·8	+6	E'N	4	b	38	75	31	7	5	-	-	Tr	Tr	5700
10	Spurn Head ...	29	20·5	-2	E'N	5	bc	42	75	34	7	1	-	-	4-6	4-6	2500
	Catterick ...	175	20·0	+2	-	0	b	29	92	28	7	-	-	-	0	0	-
	Tynemouth ...	108	21·8	-2	SE	3	bc	42	75	34	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	22·2	+2	ESE	3	bc	39	75	31	7	1	-	-	4-6	4-6	2500
	Leuchars ...	36	22·0	+2	-	0	bc	37	75	30	8	4	-	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	20·7	+2	ENE	3	b	37	75	31	7	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·6	+10	SE'S	6	b	48	75	36	8	4	*	-	Tr	Tr	4000
13A	Tiree	22	18·5	+4	ESE	2	b	42	65	34	8	-	-	-	0	0	-
13B	Stornoway ...	80	20·9	0	ENE	2	b	41	92	39	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22·4	-2	-	0	b	32	92	30	8	-	-	-	0	0	-
	Wick ...	114	22·5	+2	-	0	b	39	75	32	9	-	-	1	0	1	-
16	Sumburgh ..	19	22·3	+2	N	1	bc	43	85	39	9	4	4	-	2-3	2-3	4000
17	Blacksod Point	18	13·7	-2	SE	1	c	50	75	42	7	5	-	-	10	10	1500
18	Malin Head ...	84	16·9	+4	ESE	3	b	47	65	36	8	-	-	-	0	0	-
	Aldergrove ...	268	17·7	+4	ESE	3	zo	45	65	35	6	5	3	-	9	10	6000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·9	-6	E'N	4	c	54	65	43	8	5	-	6	7-8	9+	4000
	Roches Point	22	11·0	-6	E	5	bc	50	85	46	8	5	-	-	4-6	4-6	2500

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

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)	15·9	-4	NE'E	4	zo	44	75	32	6	5	-	-	9+	9+	1500	0	*
	Croydon ...	15·8	0	NE'E	3	o	43	85	38	6	5	-	-	10	10	800	0	*
	S. Farnborough	15·2	-8	ENE	3	zo	43	85	37	6	5	-	-	9+	9+	1200	0	*
	Boscombe Down	14·7	-6	ENE	4	bc	42	75	30	7	5	3	1	1	2-3	1000	0	*
	Thorney Island	13·5	-6	NE'E	4	c	46	85	42	8	-	-	6	0	7-8	-	0	*
	Lympne ..	15·6	-4	NE	4	bc	47	75	39	7	5	-	1	2-3	2-3	1000	0	§5
	Manston ...	15·4	0	ENE	4	zo	46	75	39	6	5	-	-	2-3	2-3	1500	0	*
2	Shoeburyness ...	16·5	+2	ENE	5	c	45	75	39	7	5	-	-	7-8	7-8	1500	0	*
	Felixstowe ...	17·0	-2	NE	5	bc	45	85	38	7	5	-	-	4-6	4-6	1300	0	4
	Gorleston ...	18·0	0	E'N	5	bc	43	75	37	7	2	-	-	4-6	4-6	2000	0	4
	Mildenhall ...	17·8	-2	ENE	4	bc	43	75	35	8	5	-	-	2-3	2-3	2500	0	*
	Cranwell ...	19·0	-2	NE'N	3	bc	42	75	34	8	5	-	-	4-6	4-6	1200	0	*
3	Birmingham ...	17·7	-4	ENE	4	zo	39	85	35	6	5	7	-	2-3	4-6	1500	0	*
	Upper Heyford	16·7	+2	ENE	3	bc	39	85	34	7	5	-	-	2-3	2-3	800	0	*
4	Ross-on-Wye	16·9	-6	E'N	4	c	39	75	33	7	7	-	-	7-8	7-8	3000	0	*
5	Hartland Point	09·5	0	E	5	c	43	65	35	8	5	4	6	4-6	7-8	2500	0	5
	Bristol ...	16·3	+4	E	3	zo	38	85	35	6	5	-	-	9+	9+	500	0	*
	Portland Bill ...	11·9	+6	ENE	5	c	45	92	43	8	5	-	-	10	10	2500	0	4
	Plymouth ...	10·2	+2	E	6	c	45	85	41	8	-	3	7	0	9+	-	0	4
	The Lizard ...	08·4	-4	ENE	6	c	47	85	43	7	8	2	-	9	10	1500	1	5
	Scilly (St. Mary's)	06·2	-2	E	7	c/r	48	92	46	7	5	7	-	4-6	10	1200	0	5
	Guernsey ...																	
6	Pembroke ...	12·1	0	E'N	6	bcq	45	65	32	7	-	7	-	0	2-3	-	0	4
7	Holyhead (Valley)	14·6	0	ENE	3	b	45	85	29	8	-	-	-	0	0	-	0	2
	Chester (Sealand)	18·3	-2	E'S	2	zo	41	65	32	6	5	-	1	Tr	1	2000	0	*
8	Manchester ...	18·6	+2	E'N	5	b	41	65	30	6	-	-	-	0	0	-	0	*
10	Spurn Head ...	20·5	+2	E'N	5	c	44	65	34	7	1	6	1	4-6	7-8	4000	0	4
	Catterick ...	21·2	+2	NNE	1	b	38	75	32	7	2	-	-	1	1	2500	0	*
	Tynemouth ...	21·8	+4	ESE	3	bc	43	65	33	8	2	-	-	4-6	4-6	2800	0	3
11	St. Abbs Head	21·5	+2	ESE	2	bc	45	65	35	8	2	-	-	4-6	4-6	3000	0	2
	Leuchars ...	21·8	0	-	0	bc	40	75	33	8	8	-	-	4-6	4-6	2500	0	*
12	Renfrew (Abbots I.)	21·3	+2	-	0	m	35	85	30	4	5	-	-	2-3	2-3	1200	0	*
	Eskdalemuir ...	21·8	0	NE'E	3	bc	37	55	31	8	7	-	-	2-3	2-3	3500	0	*
	Point of Ayre...	18·7	+2	SE'S	5	b	43	75	36	8	2	-	-	1	1	1300	0	4
13A	Tiree	20·0	+14	SE'E	2	b	44	65	34	8	-	-	-	0	0	-	0	3
13B	Stornoway ...	21·1	0	E	3	b	47	75	39	8	-	-	-	0	0	-	0	2
15	Dalwhinnie ...	22·9	0	S	2	bc	38	65	24	8	8	-	-	4-6	4-6	2500	0	*
	Aberdeen † ...	23·0	+4	NNW	2	b	37	85	33	7	7	-	-	Tr	Tr	2700	1	1
	Wick ...	22·7	+2	ESE	1	b	44	75	35	9	1	-	1	Tr	1	3500	0	*
16	Sumburgh ..	22·9	+6	NNW	1	bc	46	85	40	9	8	7	-	2-3	4-6	2500	0	1
17	Blacksod Point	13·8	+2	SE	4	c	49	75	42	7	8	-	-	9+	9+	2500	0	3
18	Malin Head ...	18·0	+4	ESE	4	bc	44	75	37	8	5	-	-	2-3	2-3	2500	0	3
	Aldergrove ...	18·3	+4	E'S	4	bc	43	75	34	8	7	3	-	2-3	2-3	1800	0	*
19	Birr Castle ...	13·6	+6	SE	2	bc	45	85	41	8	5	-	-	4-6	4-6	2500	0	*
20	Valentia Obsy.	08·6	-2	ENE	5	c	55	86	40	8	-	4	2	0	9+	-	0	3
	Roches Point	11·0	+2	E	4	bc	49	85	45	8	-	-	5	0	2-3	-	0	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	55	40	36	-	-	12·1
	Croydon ...	53	39	37	-	-	10·9
	S. Farnborough	57	39	33	-	-	11·9
	Boscombe Down	62	37	34	-	-	12·2
	Thorney Island	63	40	*	-	-	*
	Lympne ..	51	41	37	-	-	12·7
	Manston ...	51	42	40	-	-	12·0
2	Shoeburyness ...	51	40	39	-	-	10·7
	Felixstowe ...	49	29	25	-	-	5·3
	Gorleston ...	47	41	38	-	-	9·0
	Mildenhall ...	57	29	17	-	Tr	7·0
	Cranwell ...	(51)	33	27	Tr	-	1·1
3	Birmingham ...	56	34	30	-	-	7·0
	Upper Heyford	57	35	33	-	-	*
4	Ross-on-Wye	59	35	32	-	-	12·8
5	Hartland Point	61	42	41	-	-	12·7
	Bristol ...	61	35	31	-	-	9·0
	Portland Bill ...	55	43	*	-	-	*
	Plymouth ...	60	43	42	-	-	11·3
	The Lizard ...	52	45	*	-	1	7·5
	Scilly (St. Mary's)	57	47	*	-	Tr	5·3
	Guernsey ...						
6	Pembroke ...	57	35	*	-	-	6·5
7	Holyhead (Valley)	57	38	33	-	-	*
	Chester (Sealand)	54	36	32	-	-	0·8
8	Manchester ...	53	36	31	-	-	*
10	Spurn Head ...	46	41	*	-	-	7·1
	Catterick ...	55	26	20	-	-	13·5
	Tynemouth ...	48	41	38	-	-	*
11	St. Abbs Head	49	37	*	-	-	
	Leuchars ...	49	32	27	-	-	13·3
12	Renfrew (Abbots I.)	57	31	21	-	-	11·2
	Eskdalemuir ...	54	26	17	-	-	12·6
	Point of Ayre...	54	40	*	-	-	3·8
13A	Tiree	55	40	*	-	-	14·1
13B	Stornoway ...	49	40	*	-	-	14·8
15	Dalwhinnie ...	51	25	15	-	-	12·4
	Aberdeen † ...	48	30	23	-	-	14·0
	Wick ...	48	31		-	-	*
16	Sumburgh ..	50	39	26	Tr	-	6·4
17	Blacksod Point	53	48	*	Tr	-	*
18	Malin Head ...	52	48		-	-	8·2
	Aldergrove ...	52	39	37	-	Tr	0·1
19	Birr Castle ...	54	43	40	0·2	-	0·0
20	Valentia Obsy.	64	52	47	0·1	-	
	Roches Point	54	48	*	0·2	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th May ... 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 8-	02975	01225	46	01954	00014
115			54	01963	08414
203			10	00952	04502
206 10	00962	08402	16	00961	08502
210 70	00963	04413	10	00961	06501
220 10	01952	12202	00	00990	11200
230			10	00861	06201
245 10	01953	12313	40	00962	12202
260 70	01864	05114	10	00862	05112
278 73	01863	14313	13	01861	13303
279 13	01863	10413	53	01864	09315
285 13	01854	12515			
288 10	00853	04413	10	00851	08411
575			52	05644	08268
301 5-	05667	10427	07	05690	09513
321 77	02854	07367	76	02875	07325
299 50	01851	04301	50	01853	04213
292 17	01964	09225	13	01961	10315
310 --	02638	04525			
614 13	02763	06426	53	02764	06327

01h. G.M.T. 9th May ... 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
			80	00952	00003
			54	01963	08314
00	00990	08300			
00	00890	08200	00	00890	10200
00	00990	08100	00	00990	11201
00	00990	06200	00	00990	08200
40	01964	00014	10	01944	04104
00	00890	05100	00	00890	30111
00	00790	09410	00	00890	09400
00	00790	04400	10	00661	06401
			2-	20636	12326
54	05641	00003	50	05653	00013
52	05645	08328	53	05663	08227
00	05690	08400	00	05690	09300
50	00771	04221	50	01864	06214
10	01751	08311	10	00854	06414
00	00890	04100	10	00852	06112
			--	01634	04514
50	05690	06200	50	05664	02314

13h. G.M.T. 8th May ... 18h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 57	02774	12226	03	01790	30214
334 --	02664	30424	--	01762	04304
340 03	01890	10415	03	02890	07526
136 19	01852	05425	53	01852	06424
336			53	01763	08415
350 53	01861	05514	00	00890	07400
368 00	05690	06410	00	00790	06400
379 00	00890	04422	00	00890	07400
390 03	00890	10413	00	00890	09300
882 00	00890	07300	00	00890	07400
438 00	00790	04500			
430 00	00890	04401	00	00890	08400
409 00	00790	13401	04	00790	10401

01h. G.M.T. 9th May ... 07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
04	01790	06401	04	00890	06301
			--	02754	10315
04	00890	08301	50	01843	09413
50	01843	06213	50	01854	05314
			10	21764	08414
00	05690	06401	5-	01735	04405
00	00790	06400	00	00790	04403
00	00790	08400	5-	02826	06426
00	00790	06301	5-	02747	06317
00	00790	06300	5-	05638	07428
			67	02744	04520
00	00790	06401	50	01841	04515
03	00790	04403	53	02755	43627

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 9th May

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	bcbzoy	bzoby	bycczo	
Croydon ..	cbccby	bzo	b,cmy,vcmo	
Greenwich ...	by	by	bc	Kew 24 hours ended 7h.
Camden Square	bc	b	*	Max. Time
Kensington ...	bcb	b	*	0·1 15-18h on 8th
Hampstead ...	bc	b	bc	Min. Time
				<0·1 19-21h on 8th.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	55	40	36	-	-	12·1	*	*
Croydon ..	53	39	37	-	-	10·9	*	*
Greenwich ...	54	39	33	-	-	11·4	35	63
Westminster ...	55	41	39	+			57	75
Regents Park ..	56	39	36	-	-		37	70
Camden Square	58	39	35	-	-	*	*	59
Kensington ...	58	40	36	-	-		44	62
Hampstead ...	52	36	35	-	-		*	71

BRITISH SECTION

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

SECRET

Sunday 10th May 1942

No. 29389

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

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)	13·8	−10	ENE	4	bc	57	35	28	7	5	–	6	1	2-3	2500
	Croydon ...	14·8	−6	NE	4	bc	55	35	29	8	–	–	2	0	2-3	–
	S. Farnborough	13·3	−14	ENE	4	bc	59	35	33	7	–	–	1	0	2-3	–
	Boscombe Down	13·0	−14	ENE	4	zo	59	45	34	6	–	3	8	0	7-8	–
	Thorney Island	12·2	−10	ENE	3	c	61	55	33	8	5	3	1	Tr	7-8	7200
	Lympne ...	15·1	−2	NNE	4	bc	54	45	32	8	–	–	6	0	4-6	–
	Manston ...	14·6	−6	NE	5	bc	50	75	41	7	1	–	4	Tr	2-3	1200
2	Shoeburyness ...	15·7	−6	ENE	5	bc	54	55	30	8	–	–	4	0	2-3	–
	Felixstowe ...	16·2	−6	ENE	5	b	50	65	38	8	–	–	1	0	1	–
	Gorleston ...	18·1	−4	NE'E	5	bc	46	75	38	7	1	–	–	2-3	2-3	2000
	Mildenhall ...	16·6	−10	E'N	4	b	56	45	33	9	–	–	1	0	Tr	–
	Cranwell ...	17·8	−10	ENE	4	b	51	45	29	8	1	–	1	Tr	Tr	2500
3	Birmingham ...	15·7	−10	ENE	5	b	55	45	35	8	–	–	1	0	Tr	–
	Upper Heyford	14·4	−16	E'N	4	bc	57	45	34	8	–	–	6	0	2-3	–
4	Ross-on-Wye	14·3	−12	ENE	4	b	57	45	33	8	–	–	5	0	1	–
5	Hartland Point	10·1	−2	ENE	5	c/r	49	65	39	8	5	1	–	7-8	9+	2500
	Bristol ...	14·1	−14	NE	4	bc	58	55	41	8	–	3	6	0	4-6	–
	Portland Bill ...	11·2	−6	ENE	5	0	50	92	48	8	5	–	–	10	10	2500
	Plymouth ...	10·0	+2	E	6	c	54	92	52	7	–	7	9	0	9+	–
	The Lizard ...	08·4	−6	ENE	6	c	50	75	43	7	8	2	–	7-8	9+	1500
	Scilly (St. Mary's)	07·2	+2	E'S	6	c	52	85	48	6	5	3	–	4-6	9+	800
	Guernsey ...															
6	Pembroke ...	12·1	−2	SEE	6	c	53	65	42	7	2	3	–	2-3	7-8	3000
7	Holyhead (Valley)	13·7	−8	ENE	5	zo	59	35	34	7	–	–	8	0	1	–
	Chester (Sealand)	16·0	−10	E'N	3	bc	57	35	30	7	–	–	2	0	4-6	–
8	Manchester ...	16·6	−12	E	4	b	57	45	33	8	–	–	1	0	1	–
10	Spurn Head ...	20·0	0	E'N	5	c	46	65	36	7	2	6	–	4-6	7-8	2500
	Catterick ...	19·6	−10	ENE	3	bc	51	34	34	8	4	–	–	4-6	4-6	3800
	Tynemouth ...	21·9	−4	SE	4	bc	46	65	35	8	2	–	–	4-6	4-6	2800
11	St. Abbs Head	21·8	0	ESE	3	bc	44	65	34	9	2	–	–	4-6	4-6	3000
	Leuchars ...	22·1	0	E	3	bc	48	55	34	8	8	–	–	2-3	2-3	4000
12	Renfrew (Abbots I.)	19·7	−8	ENE	4	bc	54	45	33	7	1	–	–	4-6	4-6	3500
	Eskdalemuir ...	18·0	−16	E'S	4	b	53	45	29	8	1	–	–	1	1	3800
	Point of Ayre ...	17·9	−4	E	3	bc	50	55	36	8	–	–	6	0	2-3	–
13A	Tiree ...	20·1	−2	SE	1	b	52	55	34	8	–	–	5	0	Tr	–
13B	Stornoway ...	21·0	−4	NE	4	b	50	65	37	9	1	–	–	Tr	Tr	3500
15	Dalwhinnie ...	21·2	+2	S	3	bc	49	45	30	8	7	–	–	2-3	2-3	2500
	Aberdeen ...	23·3	0	E	3	b	48	65	35	8		–	8	1	1	3000
	Wick ...	23·4	+4	ESE	2	bc	47	75	40	9	8	4	–	1	2-3	5000
16	Sumburgh ...	23·6	+6	ENE	1	pr	45	85	39	8	8	–	–	9+	9+	1500
17	Blacksod Point	14·0	0	E	4	bc	57	65	45	8	8	–	–	4-6	4-6	4000
18	Malin Head ...	18·0	0	E	4	b	46	55	31	8	–	–	–	0	0	–
	Aldergrove ...	17·7	−4	E'S	4	b	52	45	29	8	1	–	1	Tr	Tr	4000
19	Birr Castle ...	12·7	−6	SE	3	b	60	55	36	7	–	–	–	0	0	–
20	Valentia Obsy.	08·7	+2	E	5	bc	57	65	45	8	5	4	1	2-3	4-6	5700
	Roches Point	11·5	+2	E	6	c	50	75	43	8	8	–	–	9+	9+	2500

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

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)	13·4	0	ENE	4	bc	56	25	25	7	–	–	6	0	4-6	–	0	*
	Croydon ...	13·6	−18	NE'E	4	bc	54	35	28	5	–	–	2	0	2-3	–	0	*
	S. Farnborough	12·6	0	E'N	4	bc	56	25	25	8	1	–	4	1	2-3	4000	0	*
	Boscombe Down	12·2	−2	ENE	5	bc	58	25	26	7	–	3	1	0	4-6	–	0	*
	Thorney Island	12·0	0	ENE	4	c	56	55	41	9	–	7	–	0	9	–	0	*
	Lympne ...	13·8	−6	NE	4	bc	49	75	40	8	–	–	1	0	2-3	–	0	§
	Manston ...	13·4	−6	NE	5	zo	47	75	40	6	–	–	1	0	1	–	0	*
2	Shoeburyness ...	14·7	−4	NE'N	5	bc	49	75	39	8	–	–	1	0	2-3	–	0	*
	Felixstowe ...	15·1	−4	NE'N	5	bc	48	65	36	8	–	–	1	0	2-3	–	0	4
	Gorleston ...	17·3	−4	NE'E	5	b	46	75	33	7	–	–	1	0	Tr	–	0	5
	Mildenhall ...	15·8	−2	NE'E	3	b	52	55	35	8	–	–	1	0	1	–	0	*
	Cranwell ...	17·1	−4	E'N	4	b	47	55	33	9	1	–	5	1	1	2500	0	*
3	Birmingham ...	15·1	−2	E	4	bc	52	55	37	8	–	–	1	0	2-3	–	0	*
	Upper Heyford	13·2	0	ENE	4	bc	56	35	29	8	–	3	2	0	4-6	–	0	*
4	Ross-on-Wye	13·0	−6	ENE	4	c	57	35	30	8	–	–	2	0	7-8	–	0	*
5	Hartland Point	07·6	−8	E	4	c	59	45	45	7	5	7	–	7-8	9+	2500	0	4
	Bristol ...	12·5	−2	E	4	bc	59	45	40	8	–	3	6	0	4-6	–	0	*
	Portland Bill ...	10·7	−2	E	5	c	50	85	46	8	2	–	–	9	9	4000	0	4
	Plymouth ...	09·4	−2	E'S	4	c	56	55	40	8	–	7	1	0	7-8	–	0	3
	The Lizard ...	07·8	−10	ENE	6	c/pr	49	75	42	7	8	2	–	7-8	10	1500	1	3
	Scilly (St. Mary's)	06·6	−8	E	6	c	51	75	45	7	5	7	–	7-8	9+	1200	0	3
	Guernsey ...																	
6	Pembroke ...	11·0	−4	E'S	4	c	55	65	47	7	8	3	–	7-8	9+	3000	0	3
7	Holyhead (Valley)	12·7	−2	NE'E	5	b	57	35	25	8	–	–	8	0	1	–	0	3
	Chester (Sealand)	15·3	+2	E'N	3	b	56	35	31	7	–	–	1	0	Tr	–	0	*
8	Manchester ...	16·2	0	E	4	b	52	45	31	8	–	–	1	0	1	–	0	*
10	Spurn Head ...	18·8	−4	ENE	3	c	43	75	46	7	2	6	–	4-6	7-8	2500	0	+
	Catterick ...	19·8	+2	ENE	3	bc	47	65	37	9	1	–	–	4-6	4-6	3500	0	*
	Tynemouth ...	21·6	0	E	4	bc	45	65	35	8	2	–	–	4-6	4-6	2800	0	3
11	St. Abbs Head	21·2	0	ENE	4	bc	43	65	33	9	3	4	–	4-6	4-6	2100	0	3
	Leuchars ...	21·9	−2	E	4	bc	46	65	35	9	1	–	–	4-6	4-6	3200	0	*
12	Renfrew (Abbots I.)	19·6	+2	ENE	4	b	50	45	31	7	–	–	–	0	0	–	0	*
	Eskdalemuir ...	19·3	+6	E	4	bc	47	45	28	8	1	–	–	2-3	2-3	3300	0	*
	Point of Ayre ...	16·6	−6	ENE	2	b	53	65	41	8	–	–	1	0	1	–	0	2
13A	Tiree ...	19·3	−2	N'E	2	b	49	75	40	8	–	–	5	0	Tr	–	0	3
13B	Stornoway ...	20·5	−6	NNE	4	b	51	75	42	9	–	–	–	0	0	–	0	2
15	Dalwhinnie ...	21·0	−2	SSE	4	b	48	55	32	8	7	–	–	1	1	2500	0	*
	Aberdeen ...	22·6	−2	ENE	3	bc	46	75	39	8	7	–	–	2-3	2-3	3000	0	1
	Wick ...	23·3	−2	SE	2	bc	47	65	38	9	1	–	–	2-3	2-3	2500	0	*
16	Sumburgh ...	23·2	−4	NNW	3	bc	48	65	36	9	8	3	–	2-3	2-3	2500	0	1
17	Blacksod Point	13·2	−4	E	5	bc	57	55	42	8	8	3	–	1	2-3	4000	0	4
18	Malin Head ...	17·0	−6	E'S	2	b	48	65	37	8	–	–	–	0	0	–	0	3
	Aldergrove ...	16·6	−2	E	4	b	53	35	29	8	–	–	1	0	Tr	–	0	*
19	Birr Castle ...	12·0	−2	SE	3	b	59	55	34	7	–	–	–	0	0	–	0	*
20	Valentia Obsy.	09·0	+4	ENE	5	c	55	55	40	8	5	7	–	4-6	9+	4000	0	3
	Roches Point	10·5	−6	E	6	c	51	75	44	8	5	–	–	2-3	9	2500	0	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. ...9th... (39)	13h.—18h. ...9th... (40)	18h.—1h. 9th. to 1h. 10th. (41)	1h.—7h. ...10th... (42)
1	London (Kew)	czbc	bcy	bcby	bbcczo
	Croydon ...	bc,c	bcyby	byb	bbcc
	S. Farnborough	cbbcmb	bbcy	bcby	bbcc
	Boscombe Down	bccz	bczcy	bczcy	bcmc
	Thorney Island	bccy	bcycy	b	bbcc
	Lympne ...	bc	bcb	b	bmc
	Manston ...	bmbcc	bcbzb	b,bmc	nbcmc
2	Shoeburyness ...	cbc	byb	bbc	bbc
	Felixstowe ...	bcb	b	bbcb	b
	Gorleston ...	bcb	b	bmb	bcwb
	Mildenhall ...	bby	by	b	b
	Cranwell ...	bcby	byv	bybcb	bbc
3	Birmingham ...	bcb	b	b	b,c
	Upper Heyford	bbc	bcy	bcb	c
4	Ross-on-Wye	cby	bycy	cyb	bc
5	Hartland Point	cr	cy	cy	c
	Bristol ...	bcc	bbcy	bcybcm	bcc
	Portland Bill ...	c	c	c	c
	Plymouth ...	bbcc	cbcy	cbc	bcc
	The Lizard ...	cpr,c	cpr,c	cpr,c	cprrr
	Scilly (St. Mary's)	civc	c	cir	crr
	Guernsey ...				
6	Pembroke ...	bcc	c	cq	c
7	Holyhead (Valley)	by	by	byzb	
	Chester (Sealand)	⊕by	by	ybm	bmxb
8	Manchester ...	bzby		byb	
10	Spurn Head ...	c	c	bc	cbc
	Catterick ...	bc	bc	bmbcc	c
	Tynemouth ...	bc	bc	bc	bcc
11	St. Abbs Head	bc	bc	bccr	cbcpr
	Leuchars ...	cprbc	bc	bcpr,bc	cpr,c
12	Renfrew (Abbots I.)	by	by	bybbc	bbcpr
	Eskdalemuir ...	bcb	by	bc	bbcpr
	Point of Ayre ...	bbcy	bcb	b	
13A	Tiree ...	b	b	b	b
13B	Stornoway ...	b	b	b	b
15	Dalwhinnie ...	bcby	by	*	bcc
	Aberdeen ...	bxb	b	bcc pr	cpr
	Wick ...	bv	bv	bvbc	cbc
16	Sumburgh ...	cpr	cprbc	bcb	bbc
17	Blacksod Point	bc	bc	b	b
18	Malin Head ...	b	b	b	bc
	Aldergrove ...	bbcby	by	byb	bbc
19	Birr Castle ...	bc	bc	*	bc
20	Valentia Obsy.	bc	c	bc	c
	Roches Point	bc	bc	r	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh east wind. Fine at first. Probably occasional rain later perhaps with local thunder. Cool.
4 W. Midlands 5 S.W. England ▲ 6 South Wales ▲	Moderate or fresh east wind, strong locally on coasts decreasing later. Cloudy. Occasional rain. Local thunderstorms. 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	Moderate or fresh east wind, strong locally on coasts. Bright intervals. Local showers near east coast. Cool.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate east wind. Bright intervals. Local showers. Cool. Frost locally at night.
16 Orkneys and Shetlands	As 13A–15.
17 N.W. Ireland	As 1–3.
18 N.E. Ireland	As 7–12.
19 S.E. Ireland ▲ 20 S.W. Ireland	As 4–6.

GENERAL INFERENCE

An anticyclone is centred near Faeros and a depression off England with a trough over North France is spreading North. Weather will be fair in the North and Midlands apart from local showers near the east coast. There will be rain in the S.W. with local thunderstorms. Weather will be fair at first in the S.E. but occasional rain is likely later, perhaps with local thunder.

FURTHER OUTLOOK

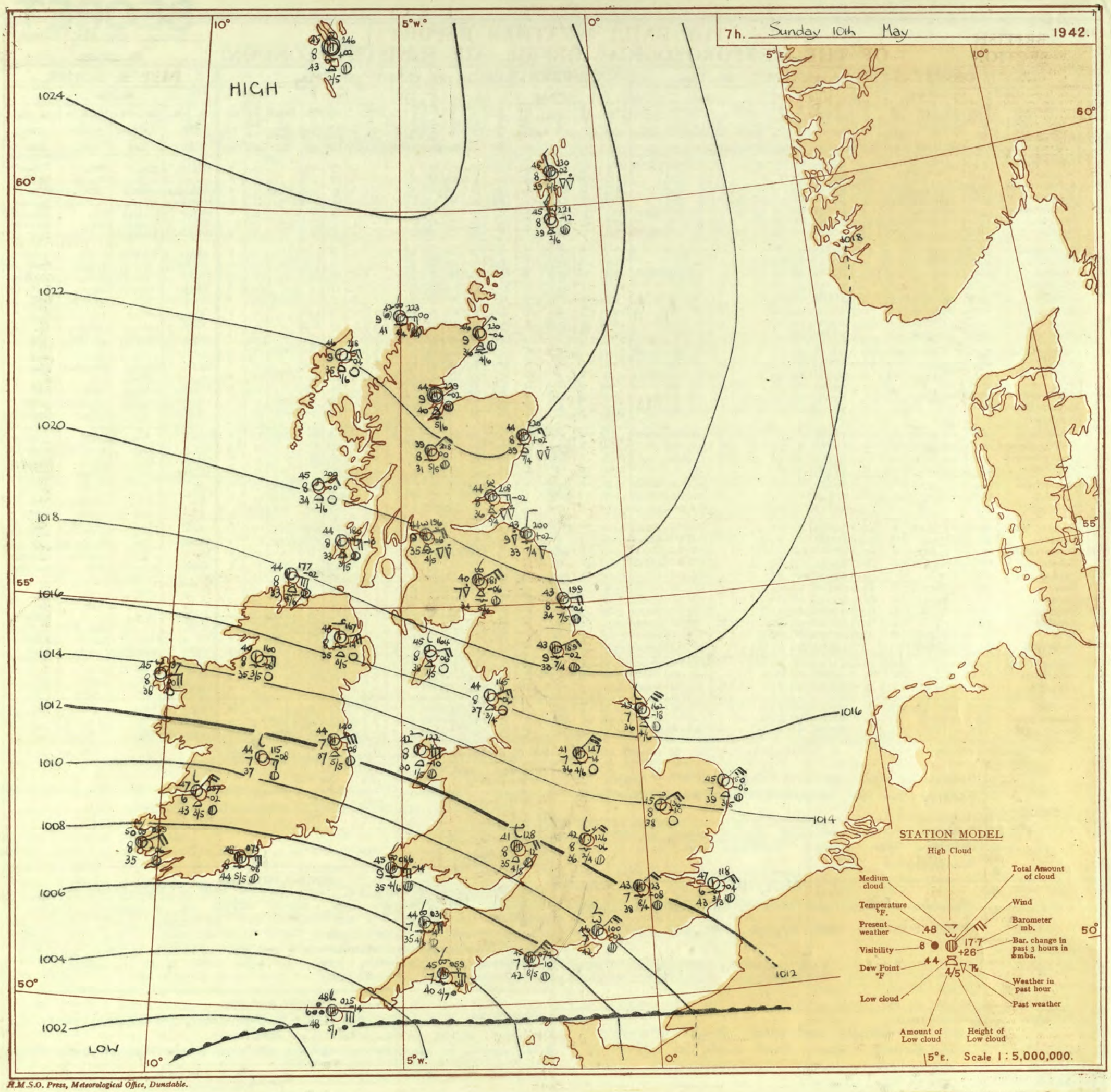
Fair north of a line Anglesey to the Wash. Occasional rain in the South with local thunderstorms.

▲ Gale warning in operation is districts 5, 6, 7, 8 and 19. Times of issue 0805h ~~on 9.5.42 and 2535h on 10.5.42.~~

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

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

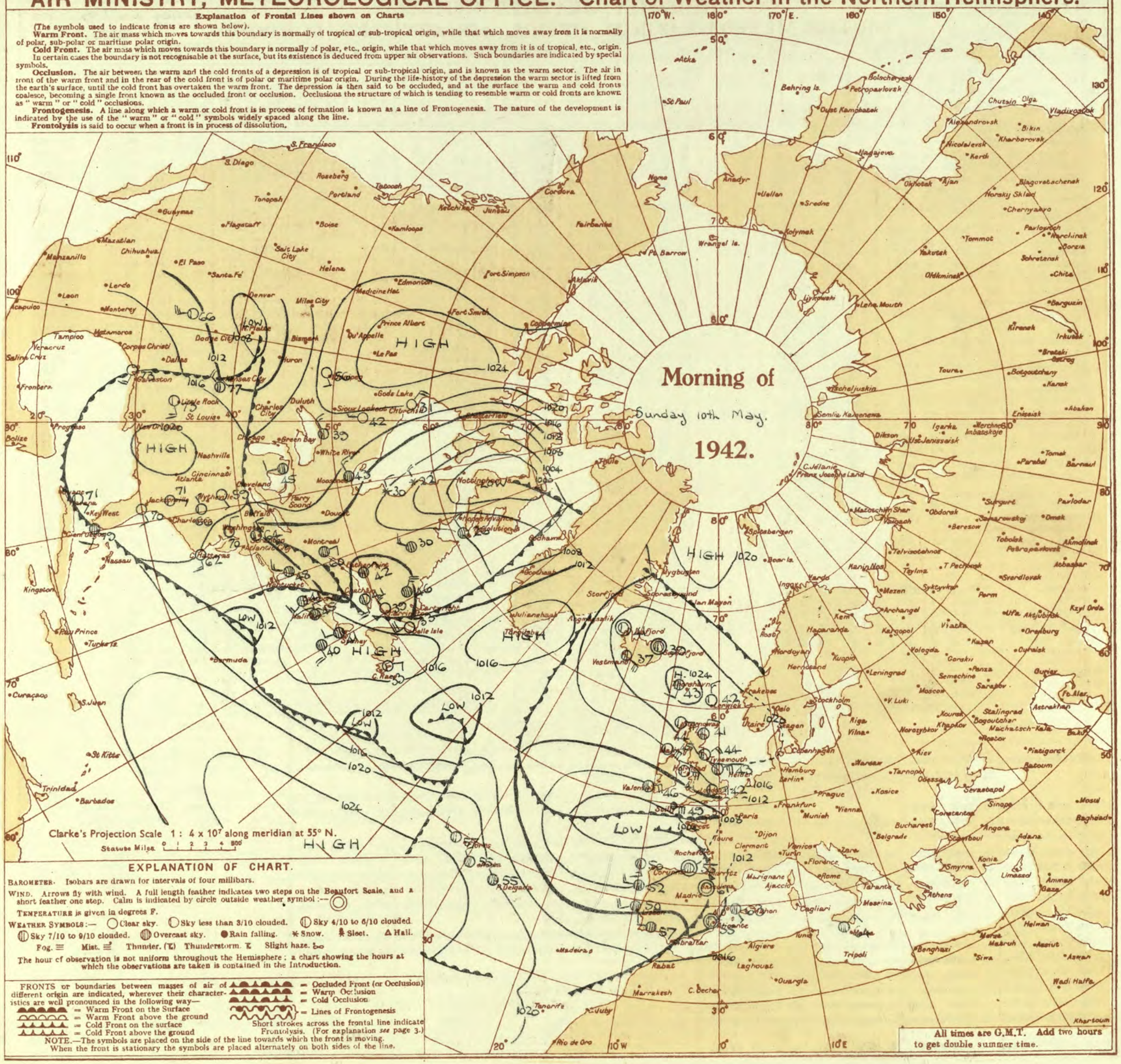
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 10th May 1942

No. 29389

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

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	13·7	−6	ENE	3	b	42	75	34	7	–	–	–	0	0	–
	S. Farnborough	226	12·5	−10	NE	3	bc	42	75	33	7	–	7	–	0	2-3	–
	Boscombe Down	417	12·3	−6	ENE	5	bc	43	65	31	7	–	7	–	0	2-3	–
	Thorney Island	10	11·2	−10	ENE	4	b	45	75	38	7	–	–	–	0	0	–
	Lympne ..	283	13·1	−8	N'E	5	b	43	85	39	8	–	–	1	0	1	–
	Manston ...	154	13·4	−12	NE	5	2o	45	85	41	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·2	−8	NE'N	4	b	43	85	38	7	–	–	–	0	0	–
	Gorleston ...	5	16·1	−14	NE'E	5	2o	44	85	38	6	–	–	–	0	0	–
	Mildenhall ...	15	15·4	−10	NE	3	b	38	92	35	7	–	–	–	0	0	–
	Cranwell ...	203	17·4	−6	NE'N	3	b	36	92	34	7	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·4	−10	ENE	4	b	38	85	35	7	–	–	1	0	1	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·8	−4	E	4	c	52	45	39	7	5	–	–	9	9	2500
	Bristol ...	209	13·6	+2	E	4	2o	43	85	37	6	–	7	6	0	4-6	–
	Portland Bill ...	32	10·1	−8	E	1	c	48	92	46	7	5	–	–	7-8	7-8	4000
	Plymouth ...	82	08·4	−2	E'S	5	bc	51	55	35	7	5	–	–	4-6	4-6	7200
	The Lizard ...	240	06·8	−4	ENE	6	c/pr	49	85	44	7	8	2	–	9	10	1000
	Scilly (St. Mary's)	163	04·4	−18	E	6	r2o	49	85	45	7	6	2	–	7-8	10	800
	Guernsey ...	175															
6	Pembroke ...	142	10·6	−4	E'N	6	cq	49	65	38	7	8	–	–	9	9	4000
7	Holyhead (Valley)	32	13·4	−2	E	5	b	41	65	30	7	–	4	–	0	1	–
	Chester (Sealand)	16	17·0	−4	E	1	b	36	75	30	6	–	–	–	0	0	–
8	Manchester ...	235	17·1	−6	NE	2	b	36	85	32	7	–	–	–	0	0	–
10	Spurn Head ...	29	19·3	0	ENE	5	bc	43	85	35	7	1	–	–	2-3	2-3	4000
	Catterick ...	175	20·1	−6	NNE	1	c	38	85	34	7	5	–	–	9+	9+	7200
	Tynemouth ...	108	20·7	−2	NE	4	bc	44	85	40	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	21·4	−8	SE	1	c	42	85	38	7	5	–	–	9	9	2500
	Leuchars ...	36	21·5	−6	E	2	bc	43	65	33	8	8	–	–	4-6	4-6	2500
12	Renfrew (Abbotsl.)	19	20·7	−4	E	3	bc	43	75	34	7	5	–	–	2-3	2-3	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·0	+2	SE	3	b	48	75	36	8	*	*	*	0	0	*
13A	Tiree	22	20·0	+4	ESE	1	b	39	85	35	9	–	–	5	0	1	–
13B	Stornoway ...	80	21·9	+2	E	4	b	44	85	39	8	–	–	–	0	0	–
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22·2	+2	ENE	2	c/pr	44	75	36	9	8	–	–	7-8	9+	3500
	Wick ...	114	23·4	−2	–	0	bc	37	92	35	9	2	–	–	2-3	2-3	2500
16	Sumburgh ..	19	23·2	−2	N	3	b	42	85	36	9	5	–	–	1	1	3500
17	Blacksod Point	18	13·9	+2	E	4	b	49	65	38	7	–	–	–	0	0	–
18	Malin Head ...	84	18·3	+6	E'S	6	b	45	75	38	8	–	–	–	0	0	–
	Aldergrove ...	268	17·9	+4	ENE	4	b	40	75	33	7	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·2	−12	E'N	4	c	46	85	42	8	5	–	–	9	9	4000
	Roches Point	22	09·0	−12	E	6	bc	53	65	42	8	5	–	–	4-6	4-6	2500

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

Stations	Barom. at M.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)	12·1	−10	ENE	4	2o	45	75	36	6	5	–	6	4-6	9+	2500	0	*
Croydon ...	12·3	−8	NE'E	4	c	43	85	38	7	5	–	–	10	10	1000	0	*
S. Farnborough	11·5	−8	E'N	3	c	43	75	36	7	5	–	–	9+	9+	1600	0	*
Boscombe Down	11·4	−2	ENE	6	c	42	75	36	7	1	7	–	1	9+	4000	0	*
Thorney Island	10·0	−2	NE	5	c	46	85	42	7	–	3	6	0	9+	–	0	*
Lympne ..	12·1	−4	NE	4	bc	47	85	42	7	5	–	2	4-6	4-6	1500	0	§4
Manston ...	11·8	−4	ENE	4	2o	47	85	43	6	5	–	–	2-3	2-3	800	0	*
Shoeburyness ...	13·2	−6	NE'E	4	c	47	75	41	8	5	–	–	9	9	1500	0	*
Felixstowe ...	13·2	−4	NNE	5	b	46	75	33	7	–	–	1	0	Tr	–	0	
Gorleston ...	15·0	−6	NE'E	5	bc	45	85	39	7	1	–	–	2-3	2-3	2500	0	4
Mildenhall ...	13·6	−10	NE'E	4	b	45	75	38	8	–	–	1	0	1	–	0	*
Cranwell ...	15·6	−10	NE'E	5	bc	44	75	35	8	5	–	1	4-6	4-6	1800	0	*
Birmingham ...	14·2	−14	ENE	5	bc	40	75	33	7	5	–	1	4-6	4-6	1500	0	*
Upper Heyford	12·6	−6	NE'E	4	bc	42	85	36	8	5	4	6	1	4-6	1500	0	*
Ross-on-Wye	12·8	−12	E'N	4	c	41	75	35	8	1	4	1	4-6	7-8	3000	0	*
Hartland Point	03·1	−14	E	4	c	44	75	35	7	5	4	–	4-6	9+	3000	0	4
Bristol ...	11·9	−8	E	4	c	42	85	37	8	5	3	6	4-6	10	1200	0	*
Portland Bill ...	07·4	−10	NE	5	o	45	92	42	7	5	–	–	10	10	2500	0	
Plymouth ...	05·9	−6	E'S	5	ir	45	85	40	7	5	7	–	4-6	10	5000	0	4
The Lizard ...	04·3	−4	ENE	6	rr	47	92	45	6	5	–	–	10	10	1000	1	5
Scilly (St. Mary's)	02·5	−14	E'S	6	rr	48	97	48	6	6	2	–	7-8	10	500	1	5
Pembroke ...	08·2	−10	E'N	6	cq	45	75	36	8	8	3	–	7-8	9+	2500	0	4
Holyhead (Valley)	12·2	−10	E	6	bc	42	65	30	8	1	–	5	Tr	2-3	2500	0	
Chester (Sealand)	14·9	−16	NE'E	3	b	43	65	32	7	1	3	4	Tr	1	2500	0	*
Manchester ...	15·2	−14	NE'E	5	bc	43	65	33	8	1	4	1	Tr	2-3	4000		*
Spurn Head ...	16·2	−18	NE	6	c	45	75	36	7	7	4	–	4-6	7-8	4000	0	4
Catterick ...	18·9	−2	ENE	2	c	43	75	33	9	5	–	–	9+	9+	1600	0	*
Tynemouth ...	19·9	−4	E	4	c	43	75	34	8	5	–	–	9+	9+	2800	0	3
St. Abbs Head	20·0	+2	NNE	2	c/pr	43	65	33	9	5	–	–	9+	9+	1900	1	3
Leuchars ...	20·8	−2	E	3	c/pr	44	75	36	8	9	6	–	7-8	9+	1500	1	*
Renfrew (Abbotsl.)	19·6	−6	ENE	4	c	44	75	35	9	8	3	–	4-6	7-8	2500	0	*
Eskdalemuir ...	19·1	−6	ENE	4	pr	40	75	34	7	8	7	–	7-8	9+	1500	0	*
Point of Ayre...	16·4	−6	E	4	b	45	75	38	8	2	4	–	Tr	Tr	2500	0	
Tiree	20·0	0	ENE	2	b	45	65	34	8	1	–	–	1	1	3500	0	3
Stornoway ...	21·8	−4	ENE	4	b	46	75	35	9	1	–	–	Tr	Tr	4500	0	2
Dalwhinnie ...	22·3	0	NE	2	c	39	75	31	8	5	–	–	7-8	7-8	2500	0	*
Aberdeen † ...	22·0	+2	ENE	3	c/pr	44	85	39	8	7	–	–	9+	9+	1800	1	1
Wick ...	23·0	−4	NE	1	bc	46	65	36	9	8	–	–	4-6	4-6	2200	0	*
Sumburgh ..	22·1	−12	NNW	3	bc	45	85	39	8	3	3	–	1	2-3	3000	0	
Blacksod Point	13·7	0	E	4	b	45	75	38	8	–	3	–	0	Tr	–	0	3
Malin Head ...	17·7	−2	SE'E	6	bc	44	65	33	8	8	–	–	4-6	4-6	4000	0	4
Aldergrove ...	16·7	−14	E'N	4	bc	43	75	35	8	7	–	8	2-3	2-3	2200	0	*
Birr Castle ...	11·5	−8	ESE	3	bc	44	75	37	7	–	4	–	0	2-3	–	0	*
Valentia Obsy.	06·9	−6	ENE	4	c	50	55	35	8	–	7	–	0	9+	–	0	3
Roches Point	07·5	−8	E	5	c	48	85	44	8	5	–	–	7-8	7-8	2500	0	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
London (Kew)	59	40	36	–	–	10·8
Croydon ...	57	39	38	–	–	10·3
S. Farnborough	60	39	35	–	–	11·0
Boscombe Down	62	39	37	–	–	10·0
Thorney Island	62	42	38	–	–	*
Lympne ..	56	40	39	–	–	13·8
Manston ...	52	43	41	–	–	12·8
Shoeburyness ...	54	41	37	–	–	11·2
Felixstowe ...	52	42	40	–	–	12·9
Gorleston ...	48	43	40	–	–	11·0
Mildenhall ...	58	38	32	–	–	13·5
Cranwell ...	54	36	32	–	–	14·3
Birmingham ...	57	36	33	–	–	12·0
Upper Heyford	59	37	36	–		*
Ross-on-Wye	60	38	35	–		9·9
Hartland Point	59	44	44	Tr	–	0·8
Bristol ...	62	39	35	–	–	9·9
Portland Bill ...	50	40	*	–	–	*
Plymouth ...	60	45	45	Tr	Tr	3·7
The Lizard ...	53	45	*	0·5	16	0·8
Scilly (St. Mary's)	55	47	*	Tr	12	1·1
Pembroke ...	56	38	*	–	0·2	7·8
Holyhead (Valley)	61	58	39	–	–	*
Chester (Sealand)	60	29	28	–	–	13·3
Manchester ...	58	35	28	–		*
Spurn Head ...	46	41	*	–	–	13·2
Catterick ...	52	37	28	–	–	14·0
Tynemouth ...	47	43	41	–	–	*
St. Abbs Head	49	39	*	–	0·3	*
Leuchars ...	49	41	37	0·1	1	12·6
Renfrew (Abbotsl.)	55	41	35	–	Tr	11·9
Eskdalemuir ...	54	33	29	–	–	13·9
Point of Ayre...	55	42	*	–	–	13·7
Tiree	55	38	*	–	–	14·7
Stornoway ...	52	40	*	–	–	14·8
Dalwhinnie ...	53	30	20	–		13·4
Aberdeen † ...	48	41	37	–	0·3	13·6
Wick ...	49	33	33	–	–	*
Sumburgh ..	50	41	39	1	–	4·2
Blacksod Point	59	57	40	–	–	*
Malin Head ...	49	49	42	–	–	13·6
Aldergrove ...	54	34	29	–		13·9
Birr Castle ...	62	39	37	–		12·0
Valentia Obsy.	61	49	48	–	–	5·4
Roches Point	54	48	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	80	01954	08314	80	01854	08214
115				54	01963	08514
203						
206	10	00862	08502	10	00961	08501
210	10	00962	39402	2o	00963	39403
220	10	01953	21303			
230	10	00961	08201	7o	00961	08201
245	10	01953	08313	40	00953	08303
260	7-	01873	06413	10	01871	05411
278	00	00890	12401	50	00862	30202
279	00	00790	08400	10	00861	06602
285	10	01854	08514			
288	10	01854	06314	40	01954	06314
575	13	00861	08401	00	00890	08300
301	00	05690	08401	00	05690	08400
321	10	01963	41413	10	00961	07401
299	40	01852	06412	40	01862	06212
292	10	01964	42314	10	01962	39312
310						
614	10	00861	08502	00	00890	06403

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	50	00851	00001	5-	02857	04127
115	54	01963	08414	57	10944	08326
203	00	00990	08400			
206				8-	02865	00025
210	40	01964	07104	8-	02867	12117
220				10	01953	14204
230	00	00990	06300	7o	01954	04114
245	5-	02857	06327	8-	25947	07387
260	5-	51846	05256	5-	02844	05214
278	00	00890	08300	10	00951	08501
279	04	00790	03401	7o	01863	05403
285						
288	5-	02757	05317	5-	02858	06328
575	00	00790	08400	50	01853	08303
301	00	00790	06300	10	00843	40303
321	04	00790	02211	50	02855	05425
299	40	01864	06414	50	02856	06406
292	50	00861	32161	5-	02857	05327
310						
614	50	00761	04401	50	01764	04405

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00890	10401	00	00990	08303
334	--	01782	22303			
340	00	00890	10501	00	00890	09501
336	50	01853	07413	50	01843	05744
336	50	01751	12411	03	01762	12414
350	00	00890	05502	00	01890	05504
368	03	02790	08626	53	02763	06527
379	00	01890	06513	00	02890	04425
390	00	01890	06314	00	01890	07313
382	00	00890	06413	10	01861	06314
438	07	01830	06514			
430	08	02890	06425	57	02874	06516
409	57	02764	43825	57	02784	08625

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00890	04200	00	01990	06404
334						
340	00	00890	08200	00	00890	06403
336	00	00890	05400	50	01842	05513
336						
350	00	00790	06410	50	01833	39414
368	07	01890	04525	17	02851	38527
379	53	02821	39615			
390	00	00790	04310	00	00741	04413
382	60	01833	39414			
438						
430	53	02741	04427			
409	52	61656	09668			

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cz,bc	bcy	bcbycz	Kew 24 hours ended 7h. Max. 0·1 Time 7h 9th. Min. <0·1 Time 8th 10th.
Croydon ...	bc,c	bcy by	bybcc	
Greenwich ...	by	by	bc⊕	
Camden Square	b	b	*	
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	59	40	36	–	–	10·8	*	*
Croydon ...	57	39	38	–	–	10·3	*	*
Greenwich ...	58	39	31	–	–	10·6	25	63
Westminster ..	60	41	40	–			47	79
Regents Park ...								
Camden Square	63	39	35	–	–	*	*	64
Kensington ...	62	40	37	–	–		47	69
Hampstead ...	57	37	35	–	–		*	70

Page 1 BRITISH SECTION

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

SECRET

Monday 11th May 1942

No. 29320

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

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)	08·4	-18	E'N	4	zo	69	45	37	6	5	1	-	1	10	2500
	Croydon	09·1	-18	ENE	4	c	55	55	39	7	-	1	-	0	10	-
	S. Farnborough	08·4	-12	E	4	iro	58	45	39	6	5	1	-	1	10	5000
	Boscombe Down	08·5	-6	ENE	4	roro	52	75	46	6	5	9	-	7-8	10	3000
	Thorney Island	07·9	-6	ENE	4	roro	54	92	51	6	6	2	-	7-8	10	2500
	Lympne	10·1	-14	NE	3	c	55	75	47	7	-	1	-	0	10	-
	Manston	09·5	-14	ENE	4	zo	51	75	44	6	-	9	2	0	10	-
2	Shoeburyness	11·1	-8	NE'E	5	c	51	75	43	8	5	7	-	2-3	10	1800
	Felixstowe	11·0	-2	NE'N	5	c	53	65	41	8	-	-	6	0	9+	-
	Gorleston	13·5	-18	NE'E	4	b	48	75	40	7	-	-	-	0	0	-
	Mildenhall	10·9	-18	NE'E	5	c	60	45	40	8	-	4	8	0	10	-
	Cranwell	13·2	-18	NE'E	5	c	54	55	45	8	-	-	6	0	7-8	-
3	Birmingham	10·7	-14	ENE	5	c	55	55	40	8	-	7	7	0	9+	-
	Upper Heyford	08·2	-24	E'N	5	c	58	45	39	8	-	7	-	0	10	-
4	Ross-on-Wye	08·7	-14	ENE	4	iro	55	55	41	7	5	1	-	4-6	10	3000
5	Hartland Point	05·1	-4	NE	3	rr	45	97	44	6	5	2	-	7-8	10	1500
	Bristol	09·1	-12	E	3	roro	51	85	46	6	5	2	-	9	10	2500
	Portland Bill	06·2	-14	ENE	5	rr	49	92	47	7	5	-	-	10	10	2500
	Plymouth	05·4	-2	E	5	rr	46	97	45	6	5	2	-	2-3	10	4000
	The Lizard	03·1	+4	E	5	o	49	97	49	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	02·8	-2	E'S	4	c	52	97	52	6	5	2	3	4-6	9+	1000
	Guernsey															
6	Pembroke	05·8	-14	E'S	6	rr	47	97	46	7	8	-	-	9+	9+	3000
7	Holyhead (Valley)	08·5	-26	ENE	6	zo	55	35	36	5	-	3	8	0	9+	-
	Chester (Sealand)	12·0	-14	ENE	4	zo	60	35	35	6	-	-	8	0	7-8	-
8	Manchester	11·4	-22	NE'E	5	q	59	45	38	7	-	-	6	0	7-8	-
10	Spurn Head	15·2	-10	NE	6	bc	48	75	39	7	1	4	2	2-3	4-6	2500
	Catterick	16·9	-14	NE	4	bc	49	65	36	8	1	-	-	4-6	4-6	3500
	Tynemouth	19·6	-2	E	4	c	45	75	35	8	5	-	-	9+	9+	4400
11	St. Abbs Head	19·8	0	NNE	3	c	44	85	40	9	5	-	-	9+	9+	2000
	Leuchars	20·1	-6	ENE	3	c	49	75	40	8	8	3	-	4-6	7-8	2500
12	Renfrew (Abbots I.)	17·8	-10	ENE	5	c	51	55	35	8	5	-	-	7-8	7-8	3000
	Eskdalemuir	16·7	-6	ENE	5	bc	50	55	35	8	5	-	5	4-6	4-6	2200
	Point of Ayre	13·9	-6	E'N	5	b	51	75	40	8	-	-	8	0	Tr	-
13A	Tiree	17·8	-16	NNE	2	bc	53	65	43	9	1	-	-	2-3	2-3	3500
13B	Stornoway	21·7	0	NNE	5	c	50	75	41	9	1	6	-	4-6	7-8	1200
15	Dalwhinnie	20·1	-10	ENE	3	bc	64	45	34	8	2	-	-	4-6	4-6	2500
	Aberdeen	21·3	-8	NE'E	3	bc	50	55	36	9	7	-	-	4-6	4-6	2200
	Wick	22·4	-6	ENE	2	c	47	65	36	9	8	3	-	4-6	7-8	3500
16	Sumburgh	22·4	-2	N	2	pr	47	85	43	9	8	4	-	9	9	2000
17	Blacksod Point	10·6	-18	E'N	5	bc	55	45	35	8	-	-	5	0	2-3	-
18	Malin Head	15·1	-18	E	6	bc	48	65	37	8	1	4	-	2-3	4-6	4000
	Aldergrove	13·9	-16	E'N	5	b	53	45	34	8	1	4	8	Tr	1	3000
19	Birr Castle	08·4	-16	NNE	4	c	54	55	39	7	5	1	-	7-8	10	2500
20	Valentia Obsy.	05·3	-10	E	4	c	53	65	42	8	5	2	-	4-6	10	4000
	Roches Point	06·2	-8	E	5	rr	47	92	45	7	6	2	-	7-8	9+	1500

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

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)	05·7	-18	ENE	3	roro	51	85	48	5	6	2	-	7-8	10	1500	1	*
	Croydon	06·2	-14	ENE	3	roro	48	97	47	5	6	2	-	9+	10	800	0	*
	S. Farnborough	05·0	-20	E	3	Fro	49	97	48	4	5	-	-	10	10	500	1	*
	Boscombe Down	04·7	-14	E	3	roro	51	92	49	6	5	2	-	9	10	800	1	*
	Thorney Island	05·0	-4	E	3	roro	53	97	53	5	5	2	-	9+	10	800	1	*
	Lympne	06·7	-26	ENE	3	iro	52	85	48	6	5	7	-	4-6	10	3200	0	§3
	Manston	06·3	-22	ENE	2	roro	50	92	48	6	-	7	-	0	10	-	1	*
2	Shoeburyness	07·8	-18	NE	4	roro	50	85	46	6	6	2	-	7-8	10	1200	0	*
	Felixstowe	08·2	-10	NE	4	c	52	65	42	7	5	2	-	7-8	10	5700	0	4
	Gorleston	09·5	-20	ENE	5	c	49	75	42	7	-	7	-	0	10	-	0	4
	Mildenhall	08·2	-14	ENE	5	c	54	65	41	8	5	2	-	9+	10	4000	0	*
	Cranwell	09·9	-14	ENE	5	c	49	55	35	8	5	2	-	4-6	10	2000	0	*
3	Birmingham	07·2	-12	ENE	5	iro	50	65	39	6	6	2	-	2-3	10	2500	0	*
	Upper Heyford	05·3	-14	ENE	4	roro	56	65	44	7	5	2	-	4-6	10	2500	0	*
4	Ross-on-Wye	05·4	-20	E'N	4	iro	50	85	44	6	-	2	-	10	10	3000	1	*
5	Hartland Point	03·3	-18	SE	3	rr	49	92	47	7	5	2	-	7-8	9+	1500	1	3
	Bristol	05·2	-10	SE	1	rr	51	97	51	4	6	2	-	7-8	10	450	1	*
	Portland Bill	04·5	-12	E	3	c	49	92	47	7	5	-	-	10	10	2500	1	4
	Plymouth	03·5	-16	E'S	3	c	51	97	49	7	-	7	8	0	7-8	-	1	3
	The Lizard	02·9	-6	E'N	3	c	50	97	50	7	8	6	-	7-8	7-8	1500	1	3
	Scilly (St. Mary's)	02·1	-4	SE	3	bc	54	92	51	7	8	4	3	2-3	4-6	1000	1	3
	Guernsey																	
6	Pembroke	04·5	-8	ENE	4	rr	48	97	48	6	8	1	-	7-8	9+	3000	1	3
7	Holyhead (Valley)	07·1	-4	ENE	5	roro	53	55	37	6	5	-	-	10	10	3000	0	3
	Chester (Sealand)	08·6	-8	NE'E	4	c	54	45	32	6	5	2	-	2-3	10	4000	0	*
8	Manchester	08·5	-18	ENE	6	c	55	45	32	7	5	2	-	2-3	10	5000	0	*
10	Spurn Head	11·7	-16	NE'E	6	cq	46	75	39	7	5	4	1	7-8	7-8	2500	0	5
	Catterick	14·8	-12	ENE	4	zo	44	75	37	6	5	7	6	Tr	9	3500	0	*
	Tynemouth	16·9	-10	ENE	4	bc	44	75	38	8	2	3	-	4-6	4-6	3700	0	3
11	St. Abbs Head	17·2	-8	NE	4	c	43	85	38	8	2	6	-	4-6	7-8	2000	0	3
	Leuchars	17·9	-14	ENE	3	bc	47	65	37	9	1	-	-	4-6	4-6	3000	0	*
12	Renfrew (Abbots I.)	15·3	-8	E	5	c	47	55	32	8	5	-	5	7-8	9+	2500	0	*
	Eskdalemuir	14·3	-8	ENE	6	c	45	65	34	8	7	-	2	1	7-8	4000	0	*
	Point of Ayre	11·1	-8	E'N	5	c	49	75	41	8	-	4	6	0	9+	-	0	5
13A	Tiree	14·5	-16	NE'N	1	b	52	65	48	9	-	-	-	0	1	-	0	1
13B	Stornoway	19·6	-6	NE	6	b	49	75	42	9	1	-	-	Tr	Tr	3000	0	4
15	Dalwhinnie	18·0	-18	E	3	bc	51	45	31	8	2	-	5	1	2-3	2500	0	*
	Aberdeen	19·0	-20	E'N	3	bc	47	75	41	8	8	-	-	2-3	2-3	2200	0	2
	Wick	20·8	-12	ENE	3	bc	47	75	39	9	2	-	-	2-3	2-3	3000	0	*
16	Sumburgh	21·1	-6	NE	4	∽pr	47	75	41	9	8	4	-	9	9	2000	1	1
17	Blacksod Point	08·2	-10	E	6	c	56	45	36	8	5	-	7	2-3	9+	4000	0	5
18	Malin Head	12·4	-10	E'N	5	c	50	65	39	8	4	-	6	4-6	7-8	4000	0	4
	Aldergrove	11·2	-6	E'N	5	c	53	45	34	8	-	-	6	0	9	-	0	*
19	Birr Castle	06·4	-10	NNE	4	c	50	65	39	7	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	04·4	-6	E'N	3	roro	48	85	44	8	5	2	-	9+	10	800	0	3
	Roches Point	04·0	-14	E	4	rr	47	97	46	6	6	2	-	7-8	10	800	1	5

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. 10th (39)	Weather 13h.–18h. 10th (40)	Weather 18h. 10th to 1h. 11th (41)	Weather 1h.–7h. 11th (42)
1	London (Kew)	czo ⊕	cycroro	rRrrro	rofcdom
	Croydon	bcym	cmororo	roro Rm	cd.d.f
	S. Farnborough	cbccíromo	círoromom		cfc,moc
	Boscombe Down	croro	croro		cmobcmo
	Thorney Island	ccro	croro	cmo	bcmoc
	Lympne	c	crorouro	cRcRr	cromof
	Manston	cmozobczo	czororomo	rorotlrrr	crrmodfmo
2	Shoeburyness	c	croromo	crorомo	orr fc
	Felixstowe	bbcc	c	ccroromo	círomocmo
	Gorleston	bcb	bcc	c	tlrrczo
	Mildenhall	bccy	cyc	crr	crrmocmo
	Cranwell	bbc	bcycy	comorr	omorrir
3	Birmingham	c	coiro	orr	orodf
	Upper Heyford	bccy	cyroro	rrrororomo	crorocdo
4	Ross-on-Wye	ccq	cqpoc	rooro	omof
5	Hartland Point	crr	crr	rcbcc	cbc
	Bristol	ccroromo	crrRmo	cdodom	cmoofe
	Portland Bill	orr	prrc	c	oc
	Plymouth	crororr	croroc	bcmobmo	bcfcfc
	The Lizard	rro	cprc	ffcbl	cbcw
	Scilly (St. Mary's)	crrc	cbc	bccbcw	bcbwc
	Guernsey				
6	Pembroke	cqrr	cqrrmo	c	cmo
7	Holyhead (Valley)	bczoy	cyzoiro	roro rR	ororoc
	Chester (Sealand)	czoy	czoy	crorormoc	rr idomoc
8	Manchester	bccy	cy	ciro	crormo
10	Spurn Head	bc	cq	cq roro	ororo
	Catterick	cb	c	cmo	crorocmo
	Tynemouth	c	cbc	bc	c
11	St. Abbs Head	croc	c	cdbcc	c
	Leuchars	cproc	cbcv	bcb [illegible]	bcproc
12	Renfrew (Abbots I.)	cy	c	cyc	c
	Eskdalemuir	cprocbc	bcc	bc	c
	Point of Ayre	b	bbcc	c	roro r
13A	Tiree	b	b	bbc	c
13B	Stornoway	bbcc	cbcb	b	bc
15	Dalwhinnie	cbcy	b	*	b,c
	Aberdeen	cprobcy	bc	bcc	c
	Wick	bccv	cvbcv	bc	crrcjp
16	Sumburgh	cpro	cproc	cbcc	c
17	Blacksod Point	b	c	c	pr
18	Malin Head	bc	bc	c	c
	Aldergrove	bcy	cy	c	ciro
19	Birr Castle	bc	c	*	r
20	Valentia Obsy.	c	r	f	r
	Roches Point	r	r	r	r

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

Districts	Forecast
1 S.E. England	Light variable winds. Bright intervals. Local thundery showers or thunderstorms. Fog night and morning. Rather warm during day.
2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable winds. Mainly cloudy. Bright intervals locally. Local thundery showers or thunderstorms. Fog night and morning. Average temperature.
5 S.W. England; 6 South Wales	As 1.
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	Moderate east to N.E. wind fresh locally. Cloudy. Occasional rain. Local thunder. Cool.
15 N.E. Scotland	Light N. wind. Cloudy. Local showers. Cool.
16 Orkneys and Shetlands	As 15.
17 N. W. Ireland; 18 N. E. Ireland	As 7-14.
19 S. E. Ireland; 20 S. W. Ireland	As 1.

GENERAL INFERENCE

A depression off S.W. Ireland is almost stationary and a trough of low pressure over South England is moving slowly north. There will be thundery rain in the Midlands and North. In the South there will be some bright intervals but local thundery showers or thunderstorms.

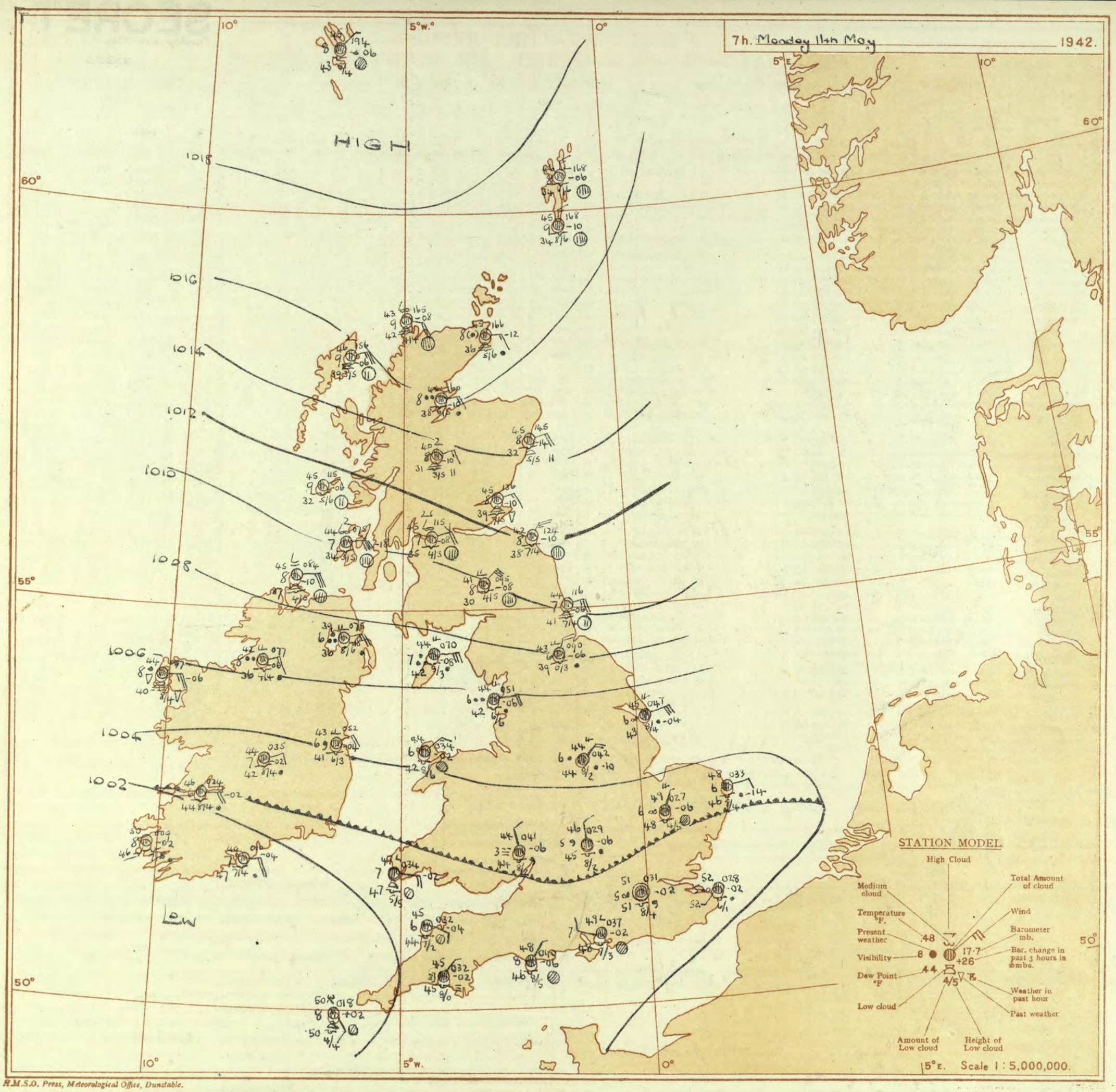
FURTHER OUTLOOK

Occasional rain in the North and Midlands. Bright intervals and thundery showers or thunderstorms in the South.

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

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

7h. Monday 11th May 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).

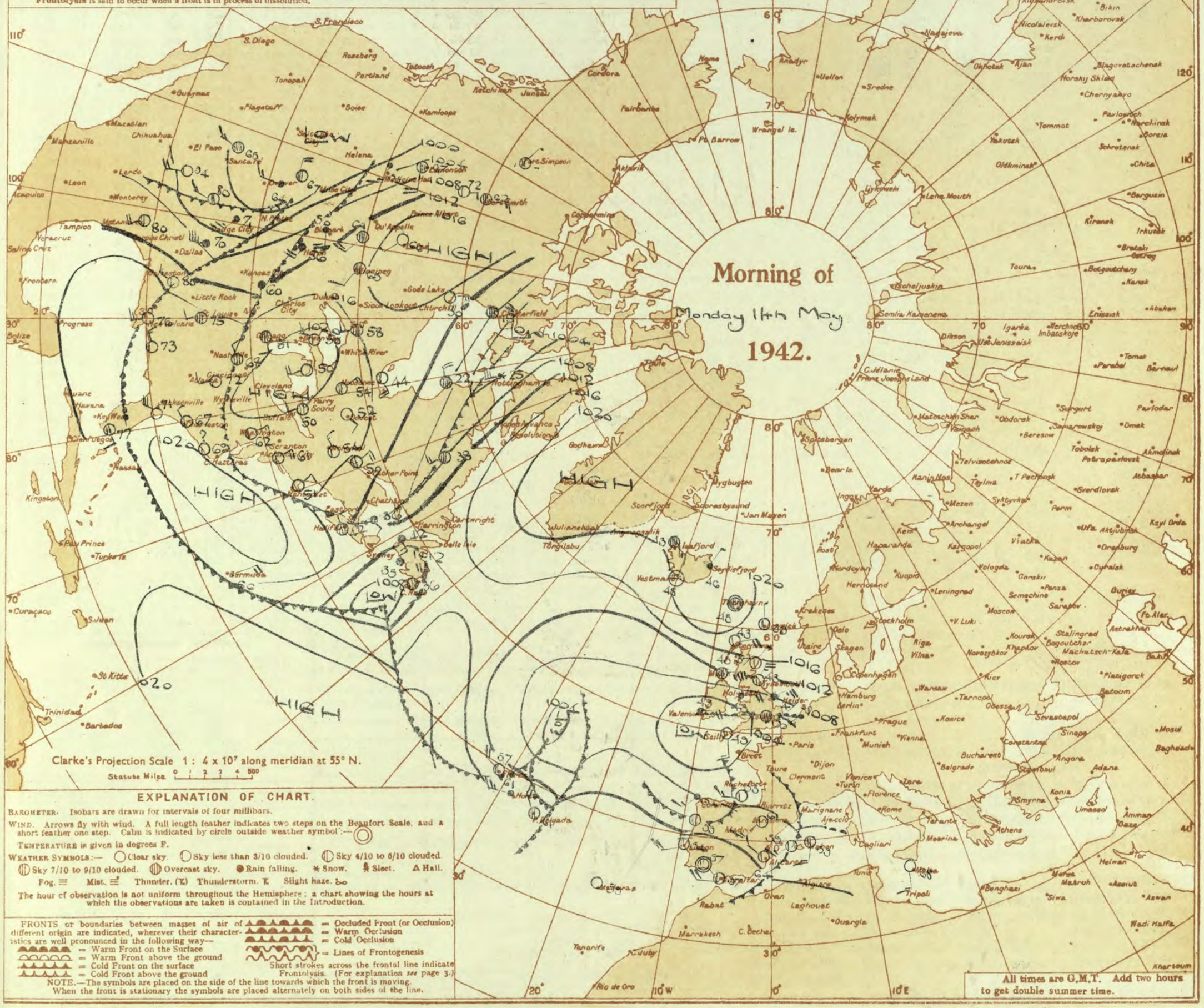
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Page 4. BRITISH SECTION

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

Monday 11th May 1942

No. 29390

OBSERVATIONS at 1 hr. G.M.T. Monday 11th May

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	04·1	-10	–	0	m/r	50	97	49	4	5	–	–	10	10	200
	S. Farnborough	226	03·3	-14	–	0	F/r	50	97	50	3	5	–	–	10	10	1000
	Boscombe Down	417	04·4	-6	–	0	z0	49	97	48	5	5	–	–	10	10	700
	Thorney Island	10	04·4	-4	WNW	1	z0	50	97	50	6	5	–	–	4-6	4-6	1000
	Lympne	283	04·6	-14	NW	1	r0r0	51	97	51	5	6	7	–	9	10	1200
	Manston	154	03·8	-14	N	1	rr	50	97	50	5	5	2	–	9+	10	4800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04·6	-18	NW'W	1	r0r0	53	97	52	5	–	2	–	10	10	3200
	Gorleston	5	05·8	-16	E'S	5	z0	49	85	42	6	5	–	–	10	10	1500
	Mildenhall	15	05·4	-6	N	2	rr	48	97	47	6	–	2	–	10	10	3500
	Cranwell	203	06·7	-20	NEE	5	rr	43	92	41	6	–	2	–	10	10	2300
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·0	-10	NE'E	4	r0r0	45	97	44	6	5	–	–	10	10	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03·4	-2	SSE	2	c	46	92	42	7	5	4	–	2-3	7-8	1500
	Bristol	209	04·1	-6	S	1	c/d	50	97	50	5	5	2	–	9	10	1200
	Portland Bill	32	04·2	+14	E	1	c	48	92	46	7	5	–	–	9	9	2500
	Plymouth	82	03·8	-6	ESE	2	m	45	97	45	4	5	–	–	7-8	7-8	1000
	The Lizard	240	03·1	-4	SSE	2	bc	49	97	48	7	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	02·1	-8	SSE	3	bc	49	97	48	8	8	–	–	2-3	2-3	1200
	Guernsey	175															
6	Pembroke	142	03·6	-4	E'S	3	c	48	97	48	7	8	–	–	9	9	2500
7	Holyhead (Valley)	32	04·8	-16	E	5	rr	43	85	40	5	–	2	–	10	10	1000
	Chester (Sealand)	16	07·7	-2	E	3	rr	44	85	39	6	6	–	–	10	10	1000
8	Manchester	235	06·4	-18	NEE	5	ir0	44	75	37	6	5	2	–	9	10	2000
10	Spurn Head	29	07·8	-14	ENE	5	r0r0	47	75	39	7	8	2	–	7-8	10	1500
	Catterick	175	12·4	-10	N'E	3	z0	43	85	33	6	5	–	–	7-8	10	1200
	Tynemouth	108	14·1	-10	NNE	5	bc	43	85	38	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	14·8	-16	NNE	3	c	42	92	40	7	5	7	–	4-6	7-8	2500
	Leuchars	36	15·7	-14	E	2	b	43	85	38	8	5	–	–	1	1	2500
12	Renfrew (Abbots I.)	19	13·9	-10	E'N	4	c	44	75	35	8	5	–	–	9	9	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·8	-16	E'N	6	°c	45	85	40	8	6	2	–	7-8	10	1500
13A	Tiree	22															
13B	Stornoway	80	18·3	-14	ENE	4	b	43	92	39	8	–	4	–	0	Tr	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	17·3	-10	NE	1	b	37	92	34	9	5	–	–	Tr	Tr	–
	Wick	114	18·9	-8	ENE	3	bc	44	85	38	9	5	–	–	4-6	4-6	3500
16	Sumburgh	19	19·1	-10	NE	1	0	44	85	38	9	5	–	–	10	10	3000
17	Blacksod Point	18	07·4	-6	E'S	5	c	50	65	39	7	5	–	–	9+	9+	4000
18	Malin Head	84	10·7	-16	E	8	c	45	65	34	8	5	–	–	7-8	7-8	2500
	Aldergrove	268	09·3	-10	E'N	6	c	42	65	30	8	5	7	7	4-6	9+	5700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	02·0	-14	E'N	4	r0r0	49	92	47	7	5	2	–	7-8	10	1500
	Roches Point	22	02·8	-8	E	5	r0r0	47	97	45	6	6	2	–	7-8	10	800

OBSERVATIONS at 7 hr. G.M.T. Monday 11th May

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)	03·1	-4	WSW	1	d0d0	51	97	50	4	5	–	–	10	10	1500	1	*
	Croydon	03·1	-2	–	0	z0	51	97	51	5	5	–	–	10	10	1100	1	*
	S. Farnborough	02·9	-2	W'S	1	0	50	85	46	7	5	–	–	10	10	800	1	*
	Boscombe Down	03·6	-6	NW	1	bc	48	92	45	7	8	4	–	1	4-6	2000	1	*
	Thorney Island	03·7	-2	WNW	2	c	49	92	48	7	5	1	–	9+	10	900	1	*
	Lympne	04·6	+4	SSE	1	F-	50	97	50	1	–	–	–	10	10	<150	1	§1
	Manston	02·8	-2	SW	1	z0	52	97	52	5	5	–	–	9	9+	200	1	*
2	Shoeburyness	03·6	-2	SW	2	m/d	53	97	51	4	5	7	–	10	10	1900	1	*
	Felixstowe	02·5	-6	–	0	z0	51	85	47	5	5	–	–	10	10	2500	1	2
	Gorleston	03·3	-14	ENE	2	0	48	92	46	6	5	–	–	10	10	1500	1	2
	Mildenhall	02·7	-6	NE'N	1	z0	49	97	48	6	5	2	–	4-6	10	2500	1	*
	Cranwell	04·2	-10	NE	4	ir0	44	97	44	6	–	2	–	10	10	500	1	*
3	Birmingham	04·3	-4	NE	3	df	43	97	43	3	6	–	–	10	10	450	1	*
	Upper Heyford	02·9	-6	N	2	id0	46	97	45	5	5	–	–	10	10	400	1	*
4	Ross-on-Wye	04·1	-6	N'W	2	of	44	97	44	3	5	–	–	10	10	500	1	*
5	Hartland Point	03·2	+4	ESE	2	c	45	97	44	6	5	–	–	9+	9+	500	1	2
	Bristol	04·7	+2	–	0	f-	45	97	45	3	–	–	–	10	10	<150	1	*
	Portland Bill	04·0	+6	NE	1	0	48	92	46	8	5	–	–	10	10	2500	1	3
	Plymouth	03·2	-2	NE	1	°f	45	97	45	5	5	–	–	10	10	100	1	2
	The Lizard	02·6	+2	SE	2	bc	50	97	46	8	8	6	–	4-6	4-6	2000	1	3
	Scilly (St. Mary's)	01·8	+2	SE'S	2	c	50	97	50	8	8	6	–	4-6	7-8	1200	1	2
	Guernsey																	
6	Pembroke	03·4	+2	E'S	4	c	47	97	47	7	8	1	–	7-8	9	2500	1	2
7	Holyhead (Valley)	03·4	-2	NEE	3	c	44	92	42	6	5	–	–	10	10	3000	1	
	Chester (Sealand)	05·4	-6	ENE	2	id0	44	85	41	5	5	2	–	2-3	10	1500	1	*
8	Manchester	04·8	-6	ENE	4	rr	42	97	41	6	5	2	–	7-8	10	1500	1	*
10	Spurn Head	04·7	-4	ENE	6	z0	45	85	43	6	–	2	–	10	10	1500	1	4
	Catterick	09·0	-6	NNE	4	z0	43	85	39	6	5	2	–	9	10	900	1	*
	Tynemouth	11·6	-6	ENE	5	c	44	85	41	7	8	–	–	9+	9+	1800	0	4
11	St. Abbs Head	12·4	-10	NE	5	c	42	85	38	8	5	–	–	9+	9+	1200	0	4
	Leuchars	13·6	-10	ENE	3	c	45	75	39	8	8	–	–	9+	9+	2000	0	*
12	Renfrew (Abbots I.)	11·5	-8	ENE	4	c	45	65	35	7	5	7	7	4-6	9+	1000	0	*
	Eskdalemuir	09·5	-28	NE	6	c	41	65	30	8	5	2	–	4-6	9+	2500	0	*
	Point of Ayre	07·0	-8	E	6	rr	44	92	42	7	6	2	–	2-3	10	1000	1	4
13A	Tiree	11·5	-6	ENE	2	c	45	65	32	9	5	–	–	7-8	7-8	3500	0	3
13B	Stornoway	15·6	-6	ENE	5	bc	46	75	39	9	3	–	5	2-3	4-6	2500	0	2
15	Dalwhinnie	14·5	-10	ENE	3	c	40	65	31	8	8	–	6	2-3	9	2500	0	*
	Aberdeen †	14·5	-14	ENE	4	c	45	65	32	8	7	–	–	7-8	7-8	2200	0	2
	Wick	16·6	-12	E	3	cjp	45	75	36	8	8	–	–	7-8	7-8	3000	1	*
16	Sumburgh	16·8	-10	N	3	0	45	65	34	9	5	–	–	10	10	3900	0	1
17	Blacksod Point	05·7	-6	E	5	pr	44	85	40	8	9	–	–	10	10	1500	1	4
18	Malin Head	08·4	-10	E	6	c	45	75	38	8	8	9	–	4-6	7-8	2500	0	4
	Aldergrove	07·5	-18	E'N	5	rr	39	92	36	6	–	2	–	10	10	3000	1	*
19	Birr Castle	03·5	-2	ENE	2	0	44	92	41	7	5	–	–	10	10	1500	1	*
20	Valentia Obsy.	00·9	-2	SSW	8	c	50	85	46	8	5	–	–	9+	9+	2500	0	2
	Roches Point	01·0	-4	E	4	c	49	92	48	7	5	–	–	9+	9+	1500	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 10th Hrs. (38)
1	London (Kew)	60	50	49	3	17	3·2
	Croydon	56	48	48	2	13	0·0
	S. Farnborough	59	49	48	3	9	0·3
	Boscombe Down	52	44	38	9	1	0·0
	Thorney Island	55	48	45	13	0·1	*
	Lympne	58	49	46	0·5	10	5·4
	Manston	54	50	49	0·5	12	5·5
2	Shoeburyness	53	49	47	0·1	15	2·4
	Felixstowe	55	48	48	–	7	8·4
	Gorleston	49	47	46	–	6	8·4
	Mildenhall	62	47	46	–	13	8·4
	Cranwell	55	43	41	–	19	10·0
3	Birmingham	56	41	41	0·1	15	4·2
	Upper Heyford	61	45	44	Tr	12	*
4	Ross-on-Wye	57	43	43	0·2	3	2·3
5	Hartland Point	50	42	41	13	1	0·0
	Bristol	53	44	45	10	2	0·0
	Portland Bill	50	45	*	8	–	*
	Plymouth	52	40	40	6	Tr	0·7
	The Lizard	50	47	*	8	Tr	0·0
	Scilly (St. Mary's)	57	47	*	8	0·2	5·3
	Guernsey						
6	Pembroke	48	38	*	7	0·3	0·0
7	Holyhead (Valley)	58	42	41	Tr	13	*
	Chester (Sealand)	61	42	43	–	12	8·2
8	Manchester	59	41	40	–	11	*
10	Spurn Head	50	44	*	–	1	11·1
	Catterick	50	41	40	–	1	6·0
	Tynemouth	45	43	41	–	–	*
11	St. Abbs Head	45	41	*	Tr	–	*
	Leuchars	49	42	37	0·2	Tr	7·9
12	Renfrew (Abbots I.)	52	43	39	–	–	7·9
	Eskdalemuir	53	38	37	Tr	–	9·5
	Point of Ayre	53	42	*	–	5	10·9
13A	Tiree	58	42	*	–	–	15·0
13B	Stornoway	51	42	*	–	–	14·7
15	Dalwhinnie	56	31	21	–	–	10·1
	Aberdeen †	50	37	33	0·2	–	9·0
	Wick	50	41	39	Tr	0·6	*
16	Sumburgh	51	44	38	Tr	–	4·0
17	Blacksod Point	58	42	*	–	0·3	12·9
18	Malin Head	50	44		–	–	
	Aldergrove	55	39	38	–	2	12·8
19	Birr Castle	55	42	41	–	2	6·2
20	Valentia Obsy.	53	47	45	0·1	1	
	Roches Point	50	47	*	7	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 11th May $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	02965	08125	87	01953	08314	5-	02867	04217	8-	81766	32387
115	54	10944	08426				54	01953	08414	87	02944	10427
203							10	00953	08303			
206	5-	01965	08525	70	00961	08611	5-	02967	08427	5-	62856	08366
210	7-	01964	06424	7-	01964	05414	40	00963	10223	5-	02967	04487
220				00	00990	02300						
230	70	01963	10313	10	00961	07201	50	01963	06214	57	01964	06216
245	10	01953	04483	70	01954	06414	50	00942	07412	53	02944	06516
260	5-	02805	07215	5-	02855	07215	5-	02846	07426	5-	02856	08426
278	10	00961	42701	00	02990	42526	57	14853	42614	57	22865	08468
279	50	00863	39713	47	02861	05616	01	02890	06626	62	61844	04568
285										5-	05638	08528
288	5-	02857	05427				5-	05648	04428	62	02734	38668
575	10	00851	41403	01	00890	08406	52	02753	41527	52	62844	07368
301	00	01890	41614	01	02890	42628	5-	64558	39568	52	62666	07468
321	00	01890	04525				52	62665	04468	52	64645	04468
299	80	01864	06414	54	01764	04414	5-	02754	04414	52	02764	06528
292	50	01951	04413	01	02890	04426	5-	62767	02468	52	62856	03268
310										--	64428	04568
614	00	00790	06616	52	02764	04528	02	64668	04468	62	54525	02468

III	13h. G.M.T. 10th May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 11th May $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	51	02775	06428	52	64756	08468	6-	64658	06368	5-	02858	06128
334										--	03647	22228
340	00	02890	08618	52	61863	41828	02	64548	08368	5-	61558	01268
136	50	01841	36513	02	02790	38528	02	22690	06468	67	22636	08268
336										52	05544	04328
350	07	02890	37528	52	03778	38568	02	64518	04368	5-	05538	32268
368	5-	62538	06568	62	62446	06168	57	02546	0546	50	05552	06122
379	07	02890	37628	62	62645	38568	--	57309	06369	--	46109	01359
390	00	02890	07318	52	62665	04368	5-	67358	04168	--	44309	00049
382	57	02863	39428	62	62646	08368	02	62528	03268	02	21428	00058
438	52	62655	06468							--	46109	24249
430	52	06267	04468	52	64447	06368	5-	05528	00068	--	02748	30128
409	5-	22753	11668	53	02761	12426	5-	45308	12368	54	41725	15346

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	cz0 ⊕	cycr0r0	rRrrd
Croydon	bcym	cm0r0r0	r0r0d0d0f
Greenwich	c⊕y	cyer0r	rRrcmfc
Camden Square	c	c	*
Kensington	cd	c	*
Hampstead	bc	or	or0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0·2 Time 2-7h on 11th; Min. 0·1 Time 7-13h on 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	60	50	49	3	17	3·2	*	*
Croydon	56	48	48	2	13	0·0	*	*
Greenwich	59	49	48	2	17	1·1	67	84
Westminster	61	51	50	18			77	97
Regents Park	62	50	49	3	15		78	86
Camden Square	63	50	49	2	15	*	*	93
Kensington	58	50	48	2	18		91	95
Hampstead	59	50	48	3	15		*	97

SECRET

Page 1

BRITISH SECTION

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

Tuesday 12th May 1942

No. 29391

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

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)	02·1	-8	NW'W	2	c	60	55	45	7	8	3	4	7-8	9+	2500
	Croydon	02·4	-6	W'S	2	c	61	65	48	7	2	8	2	4-6	9	2500
	S. Farnborough	01·9	-10	W	3	c	62	55	45	8	8	6	8	7-8	9+	3500
	Boscombe Down	03·4	-2	WNW	1	c	57	65	47	7	8	-	1	7-8	7-8	2500
	Thorney Island	03·2	-6	SW	1	c	56	85	50	8	2	3	3	Tr	7-8	3000
	Lympne	03·7	-12	S	2	c	57	75	49	8	2	6	3	2-3	9	1500
	Manston	02·2	-8	S'W	3	bc	63	65	52	8	2	6	3	1	4-6	2500
2	Shoeburyness	02·8	-4	S	2	c	61	75	52	8	2	-	2	4-6	7-8	2500
	Felixstowe	02·4	-2	S'W	2	zo	62	75	54	6	8	7	-	7-8	9+	1500
	Gorleston	02·9	-4	NE	1	c	51	85	42	6	5	-	-	9+	9+	1600
	Mildenhall	02·3	-2	W'N	1	zo	56	85	52	6	5	2	-	10	10	800
	Cranwell	03·7	0	NE'N	3	c	46	97	45	5	6	2	-	10	10	400
3	Birmingham	04·0	0	NE	3	m	45	92	43	4	5	-	-	10	10	800
	Upper Heyford	02·7	-2	NW'N	1	zo	50	92	47	5	5	-	-	10	10	500
4	Ross-on-Wye	04·2	0	N	2	zo	50	85	46	5	5	-	-	10	10	800
5	Hartland Point	03·0	0	NE	3	c	49	92	42	6	5	-	-	9+	9+	500
	Bristol	04·0	-6	N	1	zo	52	85	47	5	5	2	-	7-8	10	1800
	Portland Bill	03·3	-8	SE	3	f	50	92	48	3	5	-	-	10	10	1500
	Plymouth	03·3	+2	SW	4	fzo	52	85	48	6	5	-	-	9	9	500
	The Lizard	02·8	0	E'N	2	o	51	97	51	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	01·7	0	SE	4	bc	57	85	53	8	8	4	3	2-3	4-6	1200
	Guernsey															
6	Pembroke	03·4	+2	S	2	bc	52	85	49	6	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	03·9	+8	ENE	5	m	49	85	43	4	5	-	-	10	10	1000
	Chester (Sealand)	05·2	-2	NE'E	3	c/d	47	85	45	5	5	2	-	7-8	10	800
8	Manchester	05·2	+2	NE	4	roro	43	92	41	6	5	2	-	7-8	10	1000
10	Spurn Head	05·1	-8	ENE	5	rr	45	92	43	6	-	2	-	10	10	800
	Catterick	08·2	-2	NE	5	roro	43	92	40	6	5	2	-	4-6	10	900
	Tynemouth	10·1	-8	NE	6	c	44	85	36	7	8	-	-	9+	9+	2000
11	St. Abbs Head	11·7	-8	NE	5	c	43	85	38	8	5	-	-	10	10	1200
	Leuchars	12·1	-8	ENE	4	c	48	75	39	8	8	-	2	9	9+	2000
12	Renfrew (Abbots I.)	11·1	-2	E'N	4	c	48	55	35	7	5	2	-	9	10	1200
	Eskdalemuir	08·8	-6	NE	5	c	44	65	34	8	5	2	-	7-8	9+	2300
	Point of Ayre	07·1	-2	E	6	c	46	85	42	8	6	2	-	7-8	10	2500
13A	Tiree	10·8	-6	NEN	1	c	51	65	47	9	5	-	-	7-8	7-8	3500
13B	Stornoway	14·4	-4	NNE	6	c	50	75	43	9	5	7	-	7-8	9+	2500
15	Dalwhinnie	13·0	-4	ENE	3	c	55	45	32	8	2	-	6	2-3	7-8	2500
	Aberdeen	13·4	-10	ENE	4	bc	49	65	36	8	7	-	9	4-6	4-6	3100
	Wick	15·5	-6	ENE	4	c	47	65	35	9	8	-	-	9	9	4000
16	Sumburgh	14·8	-8	N	3	c	48	65	37	8	5	-	-	9+	9+	3000
17	Blacksod Point	05·2	-6	E'N	5	c/r	45	85	41	8	6	2	-	4-6	10	2500
18	Malin Head	08·4	0	E'N	6	roro	46	85	42	7	6	2	-	4-6	10	1500
	Aldergrove	07·6	0	ENE	4	iro	44	85	39	8	5	7	-	4-6	10	4500
19	Birr Castle	03·3	-2	ENE	2	c	55	75	47	7	8	1	-	7-8	10	1500
20	Valentia Obsy.	00·3	-6	E'S	4	pr	56	75	48	8	8	-	-	9+	9+	2500
	Roches Point	01·3	0	E	4	c	52	92	50	8	5	-	-	9+	9+	1500

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

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)	01·8	+8	NNW	2	zo	57	65	47	6	8	-	-	9+	9+	2500	1	*
	Croydon	01·8	+2	NW	2	zo	58	75	48	6	8	7	-	9	10	3000	1	*
	S. Farnborough	02·2	+2	N'W	3	bc	59	65	47	7	2	-	1	2-3	2-3	4500	1	*
	Boscombe Down	02·8	+2	N'W	1	pr	57	65	46	7	2	6	-	9	9+	1200	0	*
	Thorney Island	02·6	0	W	3	c	59	75	51	8	2	6	2	1	9	2500	0	*
	Lympne	03·0	-2	S	2	c	56	75	46	8	3	6	3	1	9	4000	1	§ 2
	Manston	01·5	-2	SW'W	2	c	59	75	51	8	4	6	3	2-3	7-8	4000	1	*
2	Shoeburyness	01·6	+2	NNW	3	zo	58	85	52	6	5	-	-	4-6	4-6	5000	1	*
	Felixstowe	02·0	0	WNW	2	dodo	55	92	53	6	5	-	-	10	10	1700	1	1
	Gorleston	02·4	0	NE'N	2	zo	50	92	48	6	5	-	-	9+	9+	1400	1	1
	Mildenhall	02·3	+2	NW	3	zo	50	92	48	6	5	-	-	10	10	1500	1	*
	Cranwell	01·3	+6	N	4	ido	43	92	41	6	5	-	-	10	10	800	1	*
3	Birmingham	04·2	+2	NE	3	m	44	92	42	4	5	-	-	10	10	800	1	*
	Upper Heyford	02·4	-4	N'W	2	m	49	92	47	4	5	-	-	10	10	500	1	*
4	Ross-on-Wye	03·5	0	NE	3	m	50	85	46	4	5	-	-	10	10	800	1	*
5	Hartland Point	01·2	-10	NNE	2	bc/r	51	85	48	7	2	6	4	2-3	4-6	3000	1	2
	Bristol	03·3	-4	N'E	2	zo	55	75	48	5	5	-	1	1	2-3	2500	1	*
	Portland Bill	03·4	-2	WSW	3	f+	47	92	46	2	5	-	-	10	10	< 150	1	3
	Plymouth	01·9	-10	S	1	c	53	85	50	7	5	-	8	Tr	7-8	300	0	3
	The Lizard	01·1	-20	E'N	4	o	48	97	47	5	5	-	-	10	10	1000	1	3
	Scilly (St. Mary's)	98·9	-18	E'S	5	c	52	92	50	8	5	-	-	10	10	800	1	3
	Guernsey																	
6	Pembroke	02·0	-8	N'W	2	bc	56	75	49	7	2	3	1	2-3	4-6	2500	1	1
7	Holyhead (Valley)	03·2	-4	ENE	6	zo	47	75	41	6	5	-	-	10	10	2500	1	3
	Chester (Sealand)	05·1	+2	NE'E	3	dodo	46	85	42	4	5	2	-	7-8	10	1000	1	*
8	Manchester	05·1	+2	NE	4	c	44	85	39	7	5	2	-	7-8	10	1800	1	*
10	Spurn Head	04·6	-2	NE'N	5	iro	43	97	42	6	-	2	-	10	10	800	1	4
	Catterick	07·3	-4	N	4	roro	42	85	40	5	6	2	-	7-8	10	600	1	*
	Tynemouth	09·2	-4	NNE	5	c	44	85	39	8	8	-	-	9+	9+	2000	0	4
11	St. Abbs Head	10·0	-10	NNE	4	c	45	75	38	8	5	-	-	10	10	1500	0	4
	Leuchars	10·6	-6	E	4	c	47	65	44	9	5	-	-	10	10	3000	0	*
12	Renfrew (Abbots I.)	09·3	-6	E	4	c	48	55	33	7	5	7	8	7-8	9	1200	0	*
	Eskdalemuir	07·9	-6	NE	5	c	43	75	34	8	5	-	-	10	10	1800	0	*
	Point of Ayre	06·2	-4	E	5	c	45	85	42	7	6	2	-	2-3	10	2500	1	5
13A	Tiree	08·8	-10	NW'W	1	c	52	65	38	9	5	3	-	7-8	7-8	3500		2
13B	Stornoway	13·0	-2	NNE	6	c	47	75	40	9	5	7	-	7-8	9+	2000	0	3
15	Dalwhinnie	10·9	0	NE	4	c	45	65	32	8	8	-	2	2-3	7-8	2500	0	-
	Aberdeen	11·5	-12	NE'E	4	c	47	65	35	8	5	-	-	10	10	2800	0	* 3
	Wick	13·6	-14	NE	3	pr	46	75	40	9	8	-	-	10	10	2000	0	*
16	Sumburgh	13·2	-8	NE	2	c	45	75	37	9	5	-	-	10	10	2500	0	1
17	Blacksod Point	04·3	-2	E	5	c	50	85	46	7	8	-	-	9+	9+	2500	1	4
18	Malin Head	08·0	-2	ESE	6	jo	46	75	39	7	6	2	-	4-6	10	1500	1	5
	Aldergrove	07·1	-2	E'N	4	iro	44	85	41	8	5	2	-	9	10	3500	1	*
19	Birr Castle	02·9	-2	E	4	c	48	85	44	7	5	-	-	7-8	7-8	1500	0	*
20	Valentia Obsy.	99·4	-2	ESE	5	c	55	75	47	9	8	-	-	9+	9+	2500	0	3
	Roches Point	00·6	-6	E	4	c	51	92	49	8	5	-	-	9+	9+	1500	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)	idomocy	cyczo	cbbmo	cmo
	Croydon	c	cmoprc	cmcmo	cmo
	S. Farnborough	cbcc	cybcc	bccmo	pmocmo
	Boscombe Down	c	bbc	cprobmo	crorom
	Thorney Island	cbcc	cbcc	bbmo	bomdoro
	Lympne	offfc	c	cbc,bmo	ofmff
	Manston	cbcmobc	bcc	idozmd	cmmo
2	Shoeburyness	cmmobc	bccbcmo	bcmorco	omoidoc
	Felixstowe	cmcmo	crorododom	dodomobc	cmo
	Gorleston	omczo	cmomo	czo	czo
	Mildenhall	cmo	cmo	cdodomo	cdodomoc
	Cranwell	orofrofododo	cidomo	idodocmo	docdodocmo
3	Birmingham	fdom	omiro	om	om
	Upper Heyford	Odomoomo	omoom	omododf	omomo
4	Ross-on-Wye	ofmz	oz	om	oco
5	Hartland Point	cocmo	ciro	bcciro	dddoc
	Bristol	ofcmmo	cmobcmo	cm	crorom
	Portland Bill	off	off	O	orr
	Plymouth	cnobcmo	cbcnoc	crrrorom	crorom
	The Lizard	Ffo	como	orrro	err
	Scilly (St. Mary's)	cbc	bcc	crrc	bcerrc
	Guernsey				
6	Pembroke	bcmo	bc	bccmo	cqiromo
7	Holyhead (Valley)	cmo	cmo	cbcbmob	
	Chester (Sealand)	cidomo	cidomom	mododomc	cmozo
8	Manchester	r	roromo	cmo	cmo
10	Spurn Head	orr	oro	oro	ororo
	Catterick	cmocroro	cmororomo	ormrorom	crorom
	Tynemouth	c	c	c	c
11	St. Abbs Head	c	c	c	cdo
	Leuchars	c	c	c	ccv
12	Renfrew (Abbots I.)	cy	cy	cyc	c
	Eskdalemuir	c	c	cproc	c
	Point of Ayre	rrroc	croro	roro c	roro c
13A	Tiree	c	c	cbc	bc
13B	Stornoway	bcc	c	cpr	c
15	Dalwhinnie	cy	c	c	c
	Aberdeen	cbc	bcc	c*	c
	Wick	cjpcv	crcpro	c	c
16	Sumburgh	cproc	c	c	cbcpro
17	Blacksod Point	r	c	c	c
18	Malin Head	r	r	c	c
	Aldergrove	croroiro	ciro	ciroc	c
19	Birr Castle	c	c	ı •	c
20	Valentia Obsy.	pr	r	bc	pr
	Roches Point	d	d	bc	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate variable wind, becoming easterly, cloudy or overcast, occasional rain or drizzle, perhaps local thunder later; rather cool.
5 S.W. England; 6 South Wales	Moderate to fresh southeast to east wind; cloudy or overcast, rain at times; rather cool to average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate or fresh northeast to east winds; cloudy or overcast; occasional rain, moderate or good visibility; rather cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light to moderate easterly winds, mainly cloudy, or overcast, but fair periods in the West; occasional showers; good visibility, moderate temperature or rather cool.
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 5- 6

GENERAL INFERENCE

A depression off our Southwest coasts is moving slowly eastnortheast, and a trough of low pressure over the southern North Sea and East England will remain almost stationary. An anticyclone centred near Iceland is giving way slowly. The weather will be mainly dull and rather cold. Occasional thundery rain but some bright intervals and somewhat higher temperatures are likely in the extreme south and Southwest. In East England and the Midlands it will be misty with light rain or drizzle. In the North it will be ~~mainly dry with~~ good visibility but a few local showers are probable

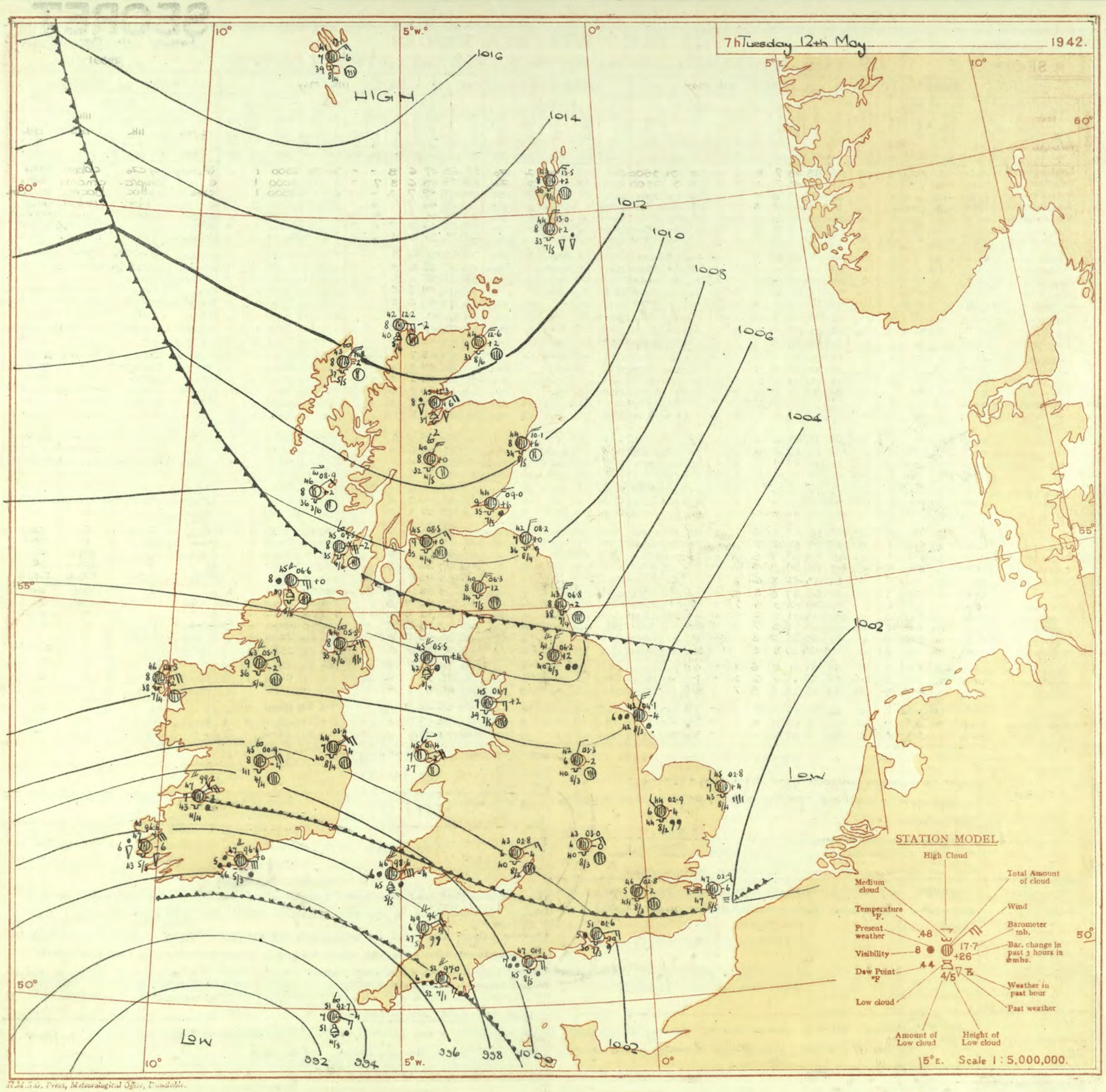
FURTHER OUTLOOK

Intermittent rain in the South with local thunderstorms. Local showers in the North. Easterly winds, strong locally on coasts.

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

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

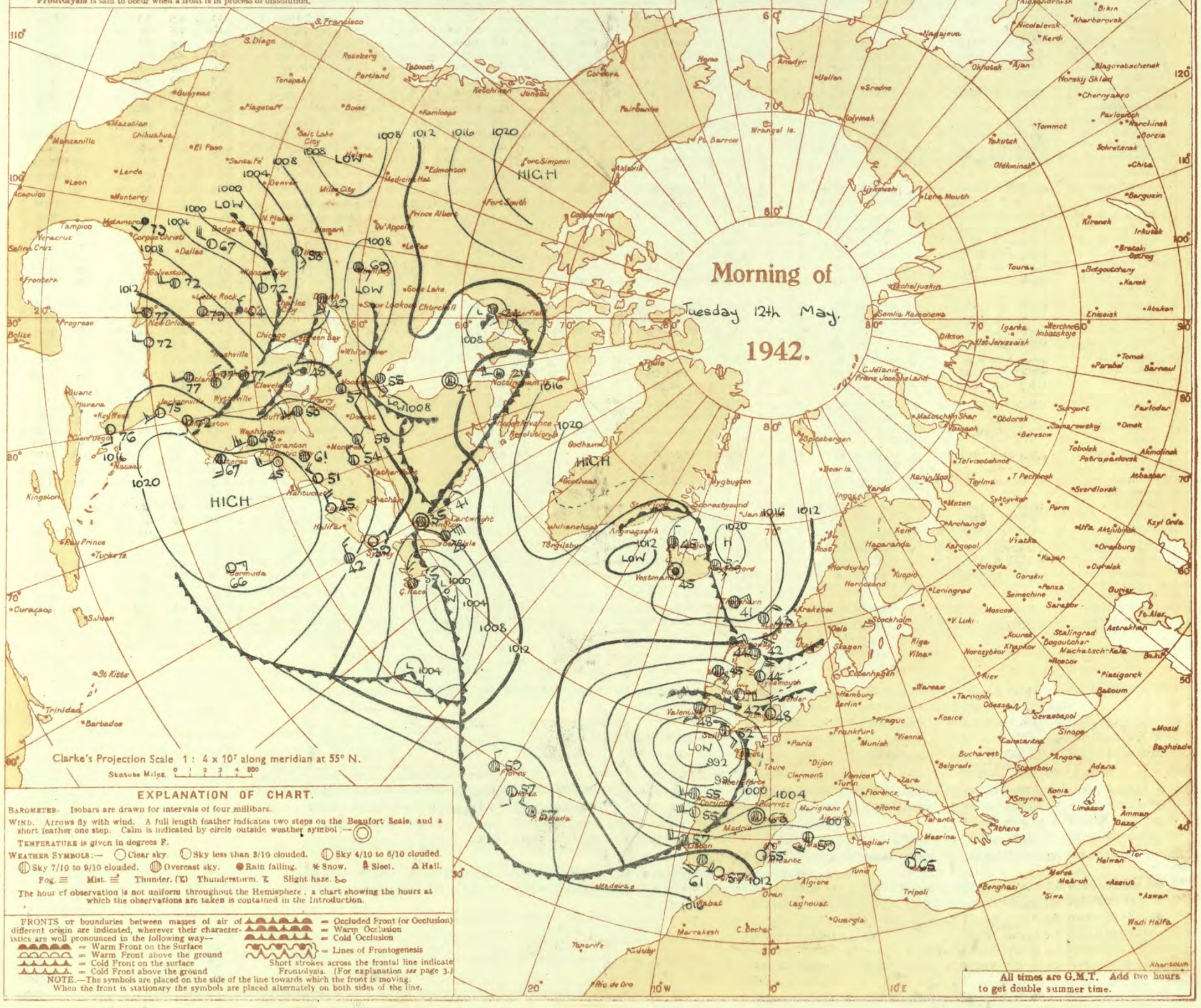
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 12th May 1942

No. 29391

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

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. (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	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon ...	290	03·2	0	N	2	2o	48	92	46	5	5	–	–	10	10	1000
	S. Farnborough	226	03·4	–2	ENE	2	2o	48	92	46	5	5	–	–	10	10	500
	Boscombe Down	417	03·1	–6	NE'E	2	2o	47	92	45	6	5	–	–	10	10	400
	Thorney Island	10	02·5	–6	NE	2	2o	47	97	47	6	–	–	–	0	0	–
	Lympne ..	283	04·7	+2	W	1	f+	42	97	41	2	–	–	–	10	10	<150
	Manston ...	154	03·0	–2	NNW	2	bf–	48	92	46	4	5	–	–	1	10	700
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	02·9	–2	NW'W	3	m	46	97	45	4	5	–	–	4-6	4-6	1300
	Gorleston ...	5	02·8	0	NW	3	2o	45	92	43	5	5	–	–	10	10	1500
	Mildenhall ...	15	03·6	0	WNW	2	d.d.	44	97	43	5	5	–	–	10	10	400
	Cranwell ...	203	04·3	–6	N'W	3	d.d.	42	92	40	5	5	–	–	10	10	700
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	03·8	–6	NNE	3	m	42	97	42	4	5	–	–	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	98·7	–14	ENE	4	c/r	49	92	47	7	5	2	–	7-8	10	2500
	Bristol ...	209	03·2	–8	NE	2	m	46	92	44	4	5	–	–	10	10	700
	Portland Bill ...	32	02·3	–12	E	3	o	47	92	45	7	5	–	–	10	10	2500
	Plymouth ...	82	99·0	–20	ESE	3	rr	49	92	46	6	5	–	–	10	10	2500
	The Lizard ...	240	95·6	–24	NE	6	ro.ro.	51	97	51	6	5	–	–	10	10	800
	Scilly (St. Mary's)	163	93·5	–12	SE'E	4	c	52	97	52	6	5	2	–	9	10	800
	Guernsey ...	175															
6	Pembroke ...	142	00·4	–6	ENE	6	c	48	65	36	6	8	–	–	7-8	7-8	2500
7	Holyhead (Valley)	32	02·4	–6	ENE	4	bc	42	75	36	7	5	–	–	4-6	4-6	2600
	Chester (Sealand)	16	05·2	–6	E	2	o	44	75	37	5	5	–	–	10	10	2800
8	Manchester ...	235	04·5	–8	NE'E	3	2o	42	85	38	6	5	2	–	9	10	2000
10	Spurn Head ...	29	04·6	–2	NNE	5	ro.ro.	43	97	42	6	–	2	–	10	10	800
	Catterick ...	175	06·5	–10	ENE	3	ro.ro.	41	92	39	5	–	2	–	10	10	700
	Tynemouth ...	108	07·7	–10	NNE	5	c	44	85	39	7	8	–	–	9+	9+	1500
11	St. Abbs Head	280	09·0	–10	NNE	4	o	43	75	36	7	5	–	–	10	10	1500
	Leuchars ...	36	09·5	–10	E	3	o	44	75	37	8	5	–	–	10	10	2000
12	Renfrew (Abbotsinch)	19	09·2	–6	NE'E	3	c	48	97	45	8	5	–	–	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	05·6	–10	E	5	c	45	85	42	8	5	2	–	7-8	10	2500
13A	Tiree	22															
13B	Stornoway ...	80	12·6	–4	NE	4	pr	44	92	42	7	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·6	–4	NE'N	3	o/	42	85	38	8	5	–	–	10	10	1700
	Wick ...	114	13·2	0	ENE	3	c	43	85	36	9	5	–	–	9	9	2400
16	Sumburgh ..	19	13·0	0	NE	4	c	43	75	36	9	5	–	–	10	10	2200
17	Blacksod Point	18	04·5	–2	E	6	o	46	85	42	7	5	–	–	10	10	1500
18	Malin Head ...	84	07·6	–4	ESE	5	c	45	75	38	8	8	–	–	9	9	2500
	Aldergrove ...	268	06·8	–10	ENE	4	c	42	75	38	8	5	7	7	2-3	9+	3100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	98·0	–16	NE'E	5	c	48	85	44	8	5	–	8	4-6	10	4000
	Roches Point	22	97·9	–20	E	5	2o	47	92	46	6	5	–	–	9+	9+	1500

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

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. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	02·3	–8	NE	2	2o	47	85	42	5	5	1	–	9	10	2500	1	*
	Croydon ...	02·8	–2	NE'N	2	2o	46	92	44	5	5	–	–	10	10	600	1	*
	S. Farnborough	02·0	–6	ENE	3	2o	46	85	43	6	5	–	–	10	10	600	1	*
	Boscombe Down	01·6	–6	ENE	4	c/d	46	92	44	5	–	2	–	10	10	1000	1	*
	Thorney Island	01·6	–10	E'N	3	ir.	51	97	50	5	5	–	–	9+	10	700	1	*
	Lympne ..	02·9	–6	ENE	1	F–	47	97	47	1	5	–	–	10	10	200	1	*
	Manston ...	02·8	–2	–	0	2o	47	92	45	6	5	–	–	10	10	700	1	*
2	Shoeburyness...	03·6	–2	NNE	2	o	46	92	44	5	5	–	–	10	10	700	1	*
	Felixstowe ...	02·5	–10	NW'W	3	2o	46	85	42	6	5	–	–	10	10	1200	0	2
	Gorleston ...	02·8	+4	NW'N	2	c	45	92	43	7	5	–	–	10	10	1100	0	2
	Mildenhall ...	02·9	–4	NW	2	o/d	44	97	44	6	5	–	–	10	10	500	1	*
	Cranwell ...	03·7	–6	N	4	o/d	41	97	40	6	5	–	–	10	10	300	1	*
3	Birmingham ...	02·9	–4	NE	3	2o	41	92	40	5	5	–	–	10	10	450	1	*
	Upper Heyford	03·0	0	ENE	3	2o	43	92	40	6	5	–	–	10	10	600	1	*
4	Ross-on-Wye	02·8	–4	ENE	3	o	43	85	40	6	5	–	–	10	10	200	1	*
5	Hartland Point	96·7	–4	ENE	4	c/d	49	92	47	6	5	2	–	7-8	10	800		3
	Bristol ...	02·2	–6	NE	2	2o	44	97	43	6	5	2	–	9+	10	800	1	*
	Portland Bill ...	01·1	–6	E	4	rr	47	92	45	7	5	–	–	10	10	2500	1	4
	Plymouth ...	97·0	–6	SE	3	ro.ro.	52	97	52	6	6	2	–	9+	10	200	1	2
	The Lizard ...	94·1	–10	SSE	5	rr	51	97	51	7	8	2	–	9	10	1500	1	4
	Scilly (St. Mary's)	92·7	–4	ESE	3	c	51	97	51	7	8	7	–	4-6	9+	1000	1	4
	Guernsey ...																	
6	Pembroke ...	98·6	–4	E'N	7	ir.	46	97	45	6	8	2	–	7-8	9+	2500	1	3
7	Holyhead (Valley)	01·4	–2	ENE	4	bc	45	75	37	7	–	4	1	0	4-6	–	1	3
	Chester (Sealand)	04·1	–6	E'N	2	2o	45	75	38	6	5	–	–	9	9	3400	1	*
8	Manchester ...	04·1	–6	NE'E	4	c	45	85	39	8	5	3	–	4-6	9	2500	1	*
10	Spurn Head ...	04·1	–4	N'E	5	ro.ro.	43	97	42	6	–	2	–	10	10	800	1	4
	Catterick ...	06·2	+2	N'E	3	c/r	41	97	40	5	6	2	–	9	10	800	1	*
	Tynemouth ...	06·8	–2	NNE	5	c	43	85	38	8	5	–	–	9+	9+	2300	0	4
11	St. Abbs Head	08·2	0	NNE	4	o	42	75	36	7	5	–	–	10	10	1500	0	4
	Leuchars ...	09·0	+6	NE	3	c	44	75	35	9	5	–	–	9+	9+	2500	0	*
12	Renfrew (Abbotsinch)	08·5	0	ENE	3	c	45	65	35	9	5	2	–	4-6	10	1200	0	*
	Eskdalemuir ...	06·3	–12	NE	5	c	40	75	34	8	5	2	–	9+	10	2200	0	*
	Point of Ayre...	05·5	+4	E	5	c	45	85	42	8	8	2	–	2-3	10	1900	1	5
13A	Tiree	08·9	+2	NE'E	2	bc	46	65	36	8	5	3	2	2-3	4-6	3500	0	3
13B	Stornoway ...	11·8	–2	NE	5	c	43	75	37	8	5	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	10·8	0	NE	4	c	40	75	32	8	5	7	6	4-6	9+	2500	0	*
	Aberdeen † ...	10·1	+6	NE	4	o	44	65	34	8	5	–	–	10	10	2300	0	3
	Wick ...	12·6	+2	NE	4	o	44	65	33	9	5	–	–	10	10	3000	0	*
16	Sumburgh ..	13·0	+2	NNE	4	c/pr	44	65	33	8	5	–	–	9+	9+	2500	0	2
17	Blacksod Point	04·3	+2	ENE	5	c	46	75	39	8	5	–	–	9+	9+	1500	0	5
18	Malin Head ...	04·3	+2	ENE	5	c	46	75	38	8	5	–	–	9+	9+	1500	0	4
	Aldergrove ...	05·5	–2	E'N	5	c	44	75	35	8	5	7	–	4-6	10	4000	1	*
19	Birr Castle ...	00·9	–4	ENE	5	c	45	85	41	8	5	7	–	4-6	9	1500	0	*
20	Valentia Obsy.	96·6	–6	NE'E	6	pr	47	85	43	6	5	3	–	7-8	7-8	2500	0	4
	Roches Point	96·4	0	E	6	rr	47	97	46	5	6	2	–	7-8	10	800	1	5

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 48th Hrs. (38)
London (Kew)	62	45	43	Tr	–	2·7
Croydon ...	65	45	46	Tr	–	6·2
S. Farnborough	64	45	43	–	–	6·2
Boscombe Down	60	45	43	Tr	0·2	6·6
Thorney Island	60	44	37	–	Tr	*
Lympne ..	58	42	39	–	–	6·0
Manston ...	63	46	45	–	0·1	6·6
Shoeburyness...	64	45	42	–	1	4·9
Felixstowe ...	62	45	44	0·2	Tr	1·4
Gorleston ...	57	45	44	0·5	–	0·7
Mildenhall ...	58	44	43	–	Tr	0·0
Cranwell ...	47	41	41	4	0·1	0·0
Birmingham ...	46	40	40	0·2	–	0·0
Upper Heyford	52	42	42	Tr	Tr	*
Ross-on-Wye	52	42	42	–	–	0·0
Hartland Point	51			0·1		3·2
Bristol ...	56	43	43	Tr	0·4	2·4
Portland Bill ...	51	44	*	–	5	*
Plymouth ...	53	47	46	–	9	2·9
The Lizard ...	52	47	*	0·1	10	1·8
Scilly (St. Mary's)	58	48	*	–	9	7·8
Guernsey ...						
Pembroke ...	57	40	*	–	1	6·4
Holyhead (Valley)	51	41	38	–		*
Chester (Sealand)	47	43	44	0·1	Tr	0·0
Manchester ...	44	42	40	8	–	*
Spurn Head ...	46	42	*	10	2	0·0
Catterick ...	45	41	39	1	6	0·0
Tynemouth ...	45	43	41	–	–	*
St. Abbs Head	52	39	*	–	–	*
Leuchars ...	49	42	41	–	Tr	6·6
Renfrew (Abbotsinch)	50	43	41	–	–	0·0
Eskdalemuir ...	47	38	38	–	Tr	0·0
Point of Ayre...	46	43	*	1	0·4	0·0
Tiree	56	39	*	–	–	5·1
Stornoway ...	50	43	*	–	Tr	7·8
Dalwhinnie ...	56	36	30	–	–	10·9
Aberdeen † ...	51	42	40	–	–	4·3
Wick ...	48	41	41	Tr	Tr	*
Sumburgh ..	49	41	41	–	–	0·1
Blacksod Point	50	46	*	2	–	*
Malin Head ...	50	45		2	Tr	0·0
Aldergrove ...	45	41	40	2	–	0·0
Birr Castle ...	56	43	40	–	–	0·1
Valentia Obsy.	59	46	43	1	0·2	2·5
Roches Point	53	47	*	0·1	5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 11th May: $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 12th May: $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhNh	DDFWN
109	7-	02958	04328	8-	02885	02425	5-	03858	03428	5-	02958	04328
115				52	02944	06427	52	02845	08428	2-	02845	08428
203	74	01953	04515	7o	01944	06514	5-	02946	04426	5-	02948	04528
206	57	02866	06567	8-	02867	06427	5-	62858	06468	8-	81858	06488
210	87	02854	04326	5-	02853	03328	5-	02858	04328	5-	02968	04328
220				75	01964	10315				13	01952	09502
230	57	01964	06315	57	02973	09226	09	02980	06226	59	02951	04226
245	5-	02954	05516	5-	02958	04528	8-	25946	37487	5-	02955	04427
260	5-	03848	05428	5-	02845	03425				5-	03845	05428
278	52	41468	07447	57	22864	10268	5-	02865	07425	57	02963	08327
279	62	62844	06668	52	61766	06668	52	02654	06468	5-	02857	05427
285										6-	61628	06368
288	62	02637	37528	62	62535	02568	62	05545	35568	62	62545	02568
575	5-	02848	08468	52	62747	08368	5-	02747	07427	52	02945	06328
301	52	62657	07368	52	02774	06468	52	02766	04328	5-	02757	08327
321	62	64635	04368	62	52626	02368	02	22548	29368	62	61646	02368
299	5-	62647	04567	5o	61747	02587	5-	056-8	02528	8-	14757	04527
292	62	61854	03368	62	61742	31368	62	22644	31368	62	02845	32228
310										--	02628	04425
614	52	51644	04268	52	52537	02258	5-	04648	32328	5-	05638	02228

III	13h. G.M.T. 11th May: $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 12th May: $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhNh	DDFWN
333	5-	02858	09228	5-	02647	06327	54	05652	06213	07	02780	06317
334	--	03536	18228							--	02646	04217
340				5-	05658	07328	5-	05646	06128	52	05646	06328
136	5-	05518	04258	5-	51618	31228	5-	52518	30358	5-	51628	30358
336	57	05543	04328	--	46309	04349				--	67309	08369
350	5-	05538	26128	--	57209	31229	5-	05825	32258	62	51637	03358
368	10	01642	10313	23	01653	08315	5-	05548	07428	52	62537	06428
379	5-	05528	28248	--	48209	02349	5-	41428	06358	5-	02738	04448
390	8-	05555	22125	53	47374	28365	5-	08428	26128	5-	05538	32128
382	5-	05648	29228	5-	05657	32227	5-	51518	02328	5-	05638	05328
438	54	04654	24244									
430	38	05653	20226	28	01863	22215	00	05590	05100	5-	05538	06348
409	20	01854	16324	20	02852	12315	02	64638	10668	52	64646	11468

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 12th May, 1942.
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	id.mcy	cycz.	cbbmcm.	Kew 24 hours ended 7h. Max. Time 0·1 10-16h on 11th
Croydon ...	c	cm.prc	cmcmc	
Greenwich ...	cbc	bcycrc	c	Min. Time <0·1 10-16h on 11th
Camden Square	c	c	*	
Kensington ..	cbc	c	*	
Hampstead ...	bc	o	o	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	62	45	43	Tr	–	2·7	*	*
Croydon ...	65	45	46	Tr	–	6·2	*	*
Greenwich ...	65	45	44	1	–	4·7	53	82
Westminster ..	65	41	41	–			71	81
Regents Park ..	64	45	45	–	–		68	76
Camden Square	66	45	46	–	–	*	*	82
Kensington ...	65	46	45	0·1	–		76	84
Hampstead ..	63	42	39	–	–		*	89

BRITISH SECTION

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

SECRET

Wednesday 13th May 1942

No. 29392.

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

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)	00·6	-10	NE'N	4	zo	51	75	42	6	5	2	-	9+	10	2500
	Croydon ...	01·0	-10	NE	3	zo	52	75	45	6	5	-	-	9+	9+	1800
	S. Farnborough	99·9	-10	NE	3	zo	53	75	44	6	5	-	-	10	10	1200
	Boscombe Down	00·1	-4	ENE	4	ido	52	75	45	6	-	2	-	10	10	800
	Thorney Island	99·6	-10	E	3	rofo	54	92	52	6	6	-	-	9+	10	800
	Lympne ...	01·9	-10	NE	2	zo	54	85	48	6	1	3	-	rr	9+	1500
	Manston ...	01·4	-10	NE	1	zo	49	85	45	6	5	-	-	10	10	1200
2	Shoeburyness ...	02·2	-6	ENE	3	c	51	75	45	6	5	-	-	9+	9+	1500
	Felixstowe ...	02·0	-4	-	0	c	51	75	45	7	5	-	-	10	10	1500
	Gorleston ...	02·4	-4	N'W	2	c	49	85	45	7	5	-	-	10	10	1200
	Mildenhall ...	02·1	-6	N	3	c	48	92	46	8	5	-	-	10	10	1000
	Cranwell ...	03·3	-4	NNE	4	9/d	45	85	40	7	5	-	-	10	10	800
3	Birmingham ...	02·5	-6	NE	4	zo	45	85	41	5	5	-	-	10	10	800
	Upper Heyford	01·2	-10	N'E	3	zo	47	85	43	6	5	-	-	10	10	900
4	Ross-on-Wye	01·3	-6	NE'E	4	zo	47	85	42	6	5	-	-	10	10	1500
5	Hartland Point	96·7	+2	NNE	4	rofo	49	92	47	7	6	2	-	7-8	10	1100
	Bristol ...	00·8	-4	SE'E	3	ido	46	55	35	5	5	2	-	9+	10	800
	Portland Bill ...	97·3	-16	ENE	4	rr	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	96·6	-2	E	3	rofo	52	97	51	6	6	2	-	9	10	700
	The Lizard ...	94·9	+4	ESE	3	rr	52	97	52	5	5	-	-	10	10	800
	Scilly (St. Mary's)	94·1	+8	SE	4	rofo	53	97	53	6	5	-	-	10	10	700
	Guernsey ...															
6	Pembroke ...	98·8	+4	ENE	5	rofo	49	92	47	6	8	2	-	7-8	10	2500
7	Holyhead (Valley)	00·6	-2	ENE	5	zo	53	65	41	6	-	-	8	0	4-6	-
	Chester (Sealand)	02·9	-6	ENE	4	zo	52	65	43	5	5	2	-	7-8	10	1400
8	Manchester ...	03·1	-6	NE	4	c	50	75	40	6	5	7	-	4-6	10	2500
10	Spurn Head ...	03·4	-4	N'E	5	c	44	92	42	7	5	-	-	9+	9+	800
	Catterick ...	05·9	-2	NNE	4	ifo	45	85	40	6	5	2	-	9+	10	900
	Tynemouth ...	07·4	+2	NNE	6	c	45	85	40	7	5	-	-	9+	9+	2300
11	St. Abbs Head	08·8	+2	NNE	5	c	43	75	36	7	5	6	-	7-8	9	2000
	Leuchars ...	09·0	+2	ENE	5	c	48	65	38	8	5	-	9	2-3	9+	4000
12	Renfrew (Abbotsl.)	07·8	-6	E	4	c	51	55	34	7	5	?	-	7-8	9+	2500
	Eskdalemuir ...	06·7	+10	NNE	4	c	45	65	34	8	5	1	-	7-8	10	2200
	Point of Ayre ...	04·3	-6	E	6	c	49	75	42	8	5	-	-	9	9	6000
13A	Tiree ...	08·5	-6	NNE	3	b	52	65	38	9	-	3	2	0	1	-
13B	Stornoway ...	12·0	+2	NE	C	c	47	85	42	9	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	10·0	+2	NNE	4	c	47	55	32	8	2	-	8	1	7-8	4000
	Aberdeen ...	10·9	+2	NE'E	5	c	47	65	35	8	5	-	-	10	10	2700
	Wick ...	13·3	+2	NE	5	c	45	65	34	9	5	-	-	10	10	3000
16	Sumburgh ...	13·6	+2	NE'N	4	pr	44	75	37	8	4	-	-	9+	9+	3000
17	Blacksod Point	04·6	+2	ENE	5	c	49	75	42	8	8	-	-	10	10	1500
18	Malin Head ...	06·3	-2	E'S	4	c	48	65	37	8	5	6	-	2-3	7-8	2500
	Aldergrove ...	04·9	-10	E'N	3	c	55	65	40	9	1	-	2	2-3	7-8	4000
19	Birr Castle ...	01·4	+2	ENE	5	c	51	63	40	8	8	-	-	9	9	1500
20	Valentia Obsy.	98·2	+14	ENE	5	ifo	50	85	46	7	2	7	-	4-6	10	2500
	Roches Point	98·0	+10	E	6	rr	48	97	47	6	6	2	-	7-8	10	800

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

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)	99·4	-4	NE	3	ifo	51	75	43	6	5	-	-	10	10	2500	1	*
	Croydon ...	99·4	-10	NE'N	3	rofo	50	85	46	5	5	-	-	10	10	1000	1	*
	S. Farnborough	98·8	-4	NE'N	3	rofo	50	85	44	6	5	2	-	10	10	1800	1	*
	Boscombe Down	99·1	-6	NE	4	dodo	48	92	47	6	5	2	-	7-8	10	600	1	*
	Thorney Island	98·2	-8	NE	4	rofo	52	97	51	6	6	2	-	9	10	450	1	*
	Lympne ...	00·5	-2	NE'N	3	rofo	46	97	45	4	5	2	-	9	9	900	1	3
	Manston ...	00·1	-2	NE	2	dr	45	97	44	5	5	-	-	10	10	300	1	§ *
2	Shoeburyness ...	00·9	-4	ENE	3	dodo	50	85	46	6	5	-	-	10	10	1600	1	*
	Felixstowe ...	01·4	-4	ENE	3	c	50	85	45	7	5	7	-	4-6	9+	1600	0	2
	Gorleston ...	01·6	-2	NE'E	2	zo	47	92	45	6	5	-	-	10	10	1500	0	2
	Mildenhall ...	01·1	-10	N'E	2	c	47	92	45	7	5	-	-	10	10	800	0	*
	Cranwell ...	02·7	0	NNE	3	ido	43	92	41	6	5	-	-	10	10	600		*
3	Birmingham ...	01·6	-4	ENE	3	zo	47	75	40	6	5	2	-	9+	10	800	1	*
	Upper Heyford	00·3	-6	NE'E	4	ido	45	92	43	6	5	-	-	10	10	600	1	*
4	Ross-on-Wye	00·6	-4	NE	3	c	47	85	42	6	5	-	-	10	10	1500	0	*
5	Hartland Point	96·7	-2	NE	4	rofo	47	92	45	6	6	2	-	7-8	10	800	1	4
	Bristol ...	99·8	-4	E	3	rofo	47	92	45	5	5	2	-	9+	10	450	1	*
	Portland Bill ...	96·7	-6	ENE	4	RR	49	85	45	7	5	-	-	10	10	2500	1	4
	Plymouth ...	95·7	0	E'N	3	rofo	51	97	50	6	5	2	-	9	10	1000	1	3
	The Lizard ...	94·9	0	NE	3	rofo	50	97	50	7	5	-	-	10	10	400	1	3
	Scilly (St. Mary's)	95·3	+6	NNE	3	rofo	50	97	49	7	5	6	-	7-8	9+	1000	1	3
	Guernsey ...																	
6	Pembroke ...	98·9	+2	ENE	5	rofo	48	97	47	6	8	2	-	7-8	10	2000	1	3
7	Holyhead (Valley)	01·0	+2	NE'E	6	zo	50	65	37	6	-	7	7	0	9+	-	0	3
	Chester (Sealand)	02·9	+2	NNE	3	0	49	65	40	5	5	-	-	10	10	1800	1	*
8	Manchester ...	03·1	+8	NE	4	c	48	75	41	6	5	7	-	7-8	9+	4000	1	*
10	Spurn Head ...	03·1	0	NE'N	5	0	44	92	42	7	5	-	-	10	10	800	0	4
	Catterick ...	05·9	-2	NNE	5	c	43	85	38	7	5	-	-	10	10	1000	1	*
	Tynemouth ...	07·6	+6	NNE	5	c	44	85	38	7	8	-	-	9+	9+	2400	0	4
11	St. Abbs Head	08·7	+4	N	4	c	42	75	34	7	5	6	-	7-8	9+	2500	0	5
	Leuchars ...	09·2	+6	ENE	3	bc	45	65	34	8	5	9	2	1	4-6	2500	0	*
12	Renfrew (Abbotsl.)	07·9	+2	E'S	5	c	47	55	34	7	5	7	8	1	7-8	2500	0	*
	Eskdalemuir ...	07·1	+10	NNE	5	c	43	65	33	8	5	7	-	7-8	10	1800	0	*
	Point of Ayre ...	04·2	0	ENE	5	c	48	85	44	8	-	7	-	0	9+	-	0	*
13A	Tiree ...	08·1	0	NNE	3	bc	52	65	40	9	-	-	2	0	4-6	-	0	4
13B	Stornoway ...	11·5	0	NE	6	bc	47	75	39	8	2	4	-	2-3	4-6	4500	0	3
15	Dalwhinnie ...	10·5	+6	NNE	4	c	41	65	32	8	4	-	6	2-3	9+	2500	0	*
	Aberdeen ...	10·7	+2	NE'E	4	c	44	75	32	8	5	-	-	9+	9+	2700	0	*
	Wick ...	12·8	-2	NE	4	c	43	65	33	9	5	-	-	10	10	3200	0	*
16	Sumburgh ...	13·2	0	ENE	4	c	43	65	34	8	5	-	-	9	9	3000	0	4
17	Blacksod Point	04·8	+4	ENE	6	c	52	75	44	8	8	-	6	2-3	7-8	2500	0	5
18	Malin Head ...	06·9	+6	E'S	4	c	49	65	38	8	5	-	-	7-8	7-8	4000	1	3
	Aldergrove ...	05·8	+6	ENE	3	c	50	65	37	8	7	-	6	4-6	7-8	3000	1	*
19	Birr Castle ...	02·1	+6	ENE	3	c	52	75	44	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	00·5	+18	ENE	5	ir	50	85	46	6	5	2	-	4-6	10	4000	1	4
	Roches Point	99·7	+12	E	5	rr	49	97	48	6	6	2	-	7-8	10	800	1	5

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 12th (39)	Weather 13h.—18h. 12th (40)	Weather 18h.—1h. 12th to 13th (41)	Weather 1h.—7h. 13th (42)
1	London (Kew)	cmoczo	czo ifozo	ifofofomo	forrofo
	Croydon ...	cmo	cmofofo	cmfofo	cmofofo
	S. Farnborough	cmo	cmoifofofo	cfo	cfofomo
	Boscombe Down	cmoifomo	cidofo	cffmo	cfofododomo
	Thorney Island	cmo	cfofomo	ofofoorR	rrdo
	Lympne ...	cmo	cmofofom	cfopfm	cfofomo
	Manston ...	cmo	ddfofomo	drrrmf	rrfmmo
2	Shoeburyness ...	cmo	cmododo	ododofofo	omorrc
	Felixstowe ...	cmoc	c	cmocifom	cfofododomo
	Gorleston ...	c	cmo	cmo	oidofozo
	Mildenhall ...	c	c,cido,c	cdodomo	cmoido
	Cranwell ...	cdodomoc	cido	idocmodo	cdodomo
3	Birmingham ...	oz	ocz		ofido
	Upper Heyford	cmo	comoido	ododofom	cfofomo
4	Ross-on-Wye	cr	c	c	omodo
5	Hartland Point	iffofoc	fofoc	rrc	fofoc
	Bristol ...	cfofo	cfofomo	cmomfofo	cmofodofo
	Portland Bill ...	off	rr	rr	oo
	Plymouth ...	cfofomo	fofofmo	cfofocmo	c
	The Lizard ...	cprr	offro	rrfc	c
	Scilly (St. Mary's)	cfofo	cfofo	rrcfofo	c
6	Pembroke ...	fofo	cfofomo	irmoc	cmo
7	Holyhead (Valley)	czo	cbczo	czoc	c
	Chester (Sealand)	czo	c	czo	czo
8	Manchester ...	czo	c	bcomo	cbcmo
10	Spurn Head ...	c	cqo	omodo	cmocq
	Catterick ...	cmoifomo	c	cfocmo	cmocmo
	Tynemouth ...	c	c	c	c
11	St. Abbs Head	c	c	c	c
	Leuchars ...	bcc	cbc	c	c
12	Renfrew (Abbotsl.)	cy	c	cbc	bxbc
	Eskdalemuir ...	cprc	c	c	cbc
	Point of Ayre ...	ifoc	c	cbcb	b
13A	Tiree ...	bc	bc	bc	bc
13B	Stornoway ...	c	cbc	bcc	c
15	Dalwhinnie ...	cy	c		cy
	Aberdeen ...	c	c	c	c
	Wick ...	c	cproc	c	c
16	Sumburgh ...	cpro	cprocy	cbc	bcc
17	Blacksod Point	c	bc	b	c
18	Malin Head ...	c	bc	c	c
	Aldergrove ...	c	cbcy	bccbcb	bbc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	pr	r	r	bc
	Roches Point	r	r	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 13th May 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate to light northeast to north wind; dull with occasional rain or drizzle at first; becoming fair with bright periods later; cool.
4 W. Midlands 5 S.W. England 6 South Wales	Moderate northeast to north winds becoming light variable later; dull with slight local rain or drizzle at first, becoming fine; cool; local frost and fog at night in West Midlands.
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 light variable wind; weather fair with considerable bright periods; cool with local frost and fog at night.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate variable winds; mainly fair but some slight local rain or showers; cool
16 Orkneys and Shetlands	As 13A - 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light northeast winds becoming variable and finally Southerly; fair with considerable bright periods; rather cool.

GENERAL INFERENCE

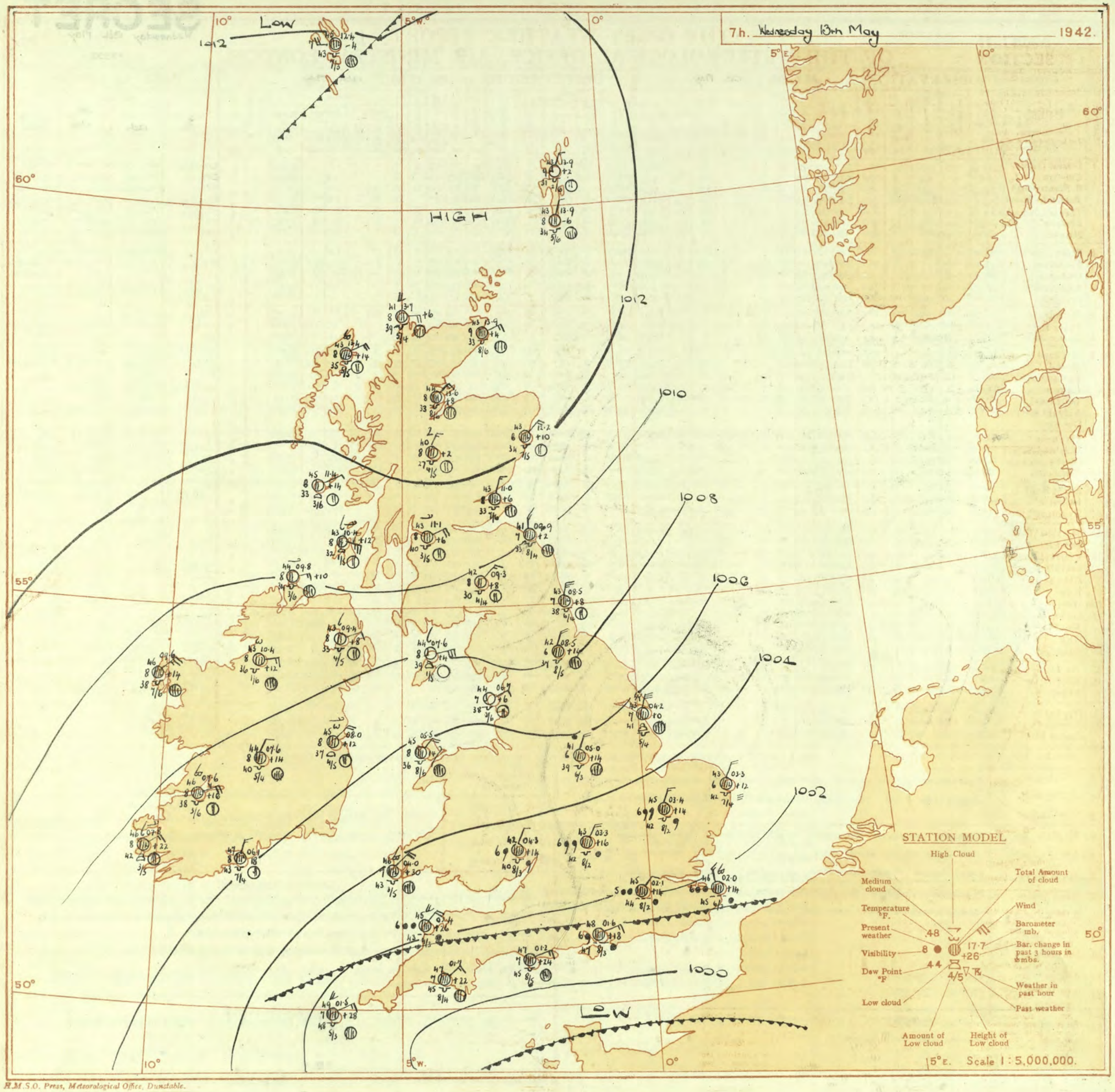
A depression centred south of England is moving southeast and a ridge of high pressure will build up and cover the greater part of the British Isles. A feeble trough advancing from the North will affect northern Scotland later, however. It will be dull at first in the South with occasional slight rain or drizzle, but it will become fair to fine over the British Isles. It will be generally cool, and frost will occur locally in some inland districts at night.

FURTHER OUTLOOK

Becoming generally milder with rain spreading slowly from the South.

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).

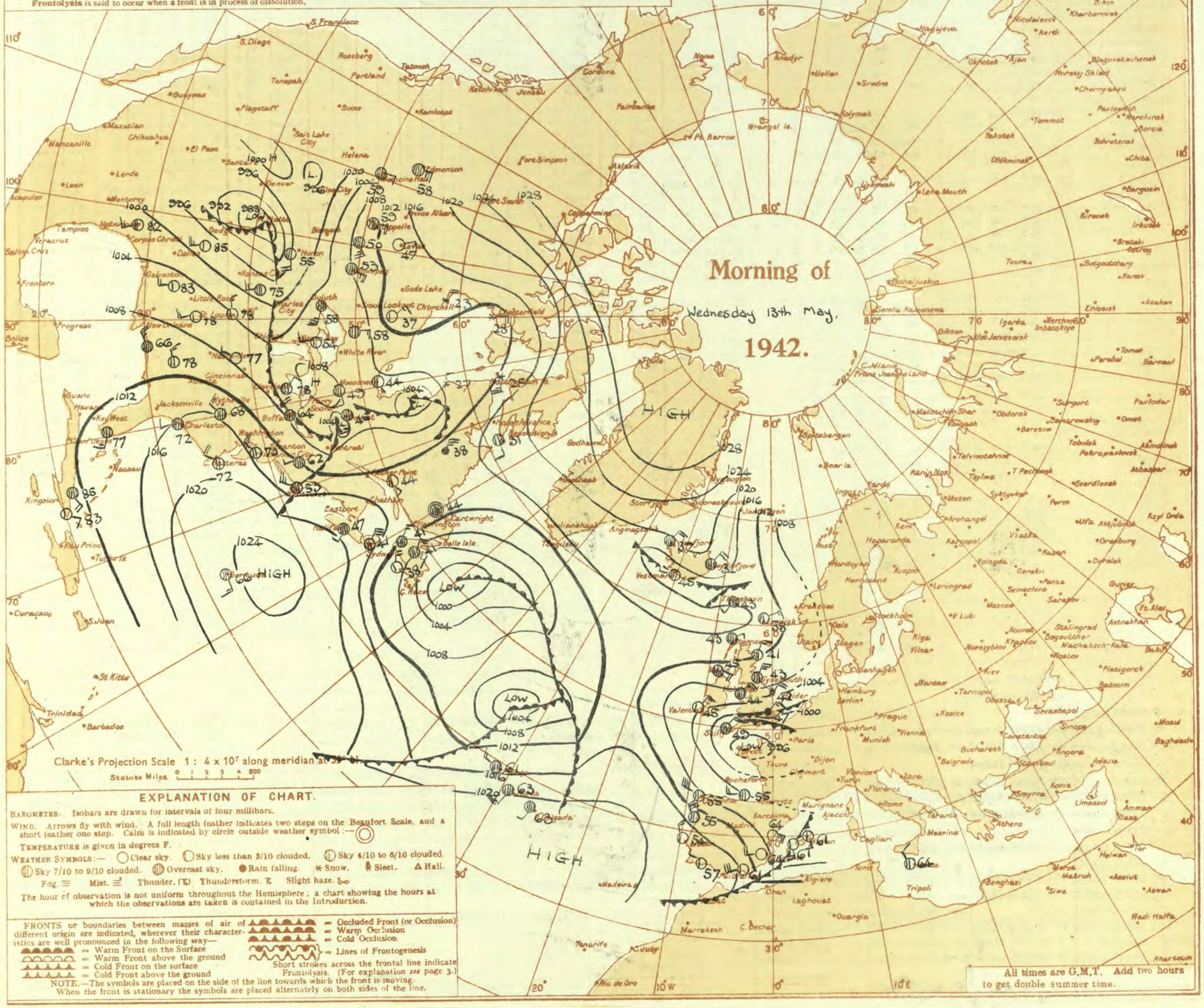
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. 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 13th May 1942

No. 29392

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

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	00·2	+2	NE'N	3	fofo	47	97	46	5	6	–	–	10	10	500
	S. Farnborough	226	00·0	0	NE'N	3	fofo	46	92	44	6	5	–	–	10	10	3000
	Boscombe Down	417	99·9	+4	NE	5	zo	45	97	43	6	6	2	–	7-8	10	2000
	Thorney Island	10	99·2	-6	NE	4	rr	49	97	49	6	–	2	–	7-8	10	1600
	Lympne ..	283	00·6	0	ENE	3	fofo	45	97	45	4	5	2	–	9+	10	900
	Manston ...	154	00·2	-2	NE	3	rf	46	97	46	3	5	–	–	10	10	200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	01·7	-6	NE	4	ifo	45	97	45	4	5	–	–	10	10	600
	Gorleston ...	5	02·3	+2	NE	3	zo	44	92	42	6	5	–	–	10	10	1500
	Mildenhall ...	15	01·9	+6	NE	2	dodo	45	97	45	5	5	–	–	10	10	200
	Cranwell ...	203	04·1	+6	NNE	4	dd	42	97	41	5	5	–	–	10	10	100
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·7	+2	NNE	4	dr	43	97	42	4	5	–	–	10	10	300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	98·9	+10	NE	4	rr	46	92	44	6	5	2	–	7-8	10	800
	Bristol ...	209	01·7	+4	E'N	4	fofo	44	97	43	4	–	2	–	10	10	800
	Portland Bill ...	32	98·2	+4	E	4	rr	47	92	45	7	5	–	–	10	10	2500
	Plymouth ...	82	98·7	+14	E'S	4	zo	48	92	46	6	5	2	–	9	10	1000
	The Lizard ...	240	97·2	+6	E	4	c/f	49	97	49	6	8	2	–	9	10	1000
	Scilly (St. Mary's)	163	97·7	+12	NE'E	4	fr	49	97	40	6	5	–	–	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	00·8	+8	NE	4	c	46	85	43	6	8	–	–	9+	9+	2500
7	Holyhead (Valley)	32	04·6	+18	NE	5	c	44	75	36	7	5	7	–	7-8	10	4000
	Chester (Sealand)	16	05·0	+8	NE	3	zo	44	75	37	5	5	–	–	10	10	2600
8	Manchester ...	235	04·6	+6	NE	4	c	42	85	38	6	5	–	–	10	10	2000
10	Spurn Head ...	29	03·9	+4	NE'N	4	dodo	42	92	41	6	–	2	–	10	10	800
	Catterick ...	175	07·2	+2	NNE	4	zo	41	85	37	6	5	–	–	10	10	1600
	Tynemouth ...	108	08·2	+8	NNE	5	c	43	85	38	7	8	–	–	9+	9+	2500
11	St. Abbs Head	280	09·8	+6	N	5	c	41	75	33	7	5	–	–	9+	9+	2500
	Leuchars ...	36	10·2	-6	N	2	c	42	75	33	8	5	–	–	7-8	7-8	2200
12	Renfrew (Abbots I.)	19	10·2	+4	E'N	2	b	39	75	30	7	–	–	–	0	0	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	06·7	+10	E'N	6	b	43	85	38	8	–	4	–	0	tr	3
13A	Tiree	22	10·0	+2	NE	2	bc	41	75	33	8	–	3	5	0	2-3	–
13B	Stornoway ...	80	12·4	-2	ENE	4	c	43	75	36	7	5	7	–	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	11·5	0	NNE	3	c	41	75	33	8	5	–	–	9+	9+	2500
	Wick ...	114	13·4	-2	NE'E	3	c	42	75	33	9	5	–	–	10	10	2900
16	Sumburgh ..	19	13·9	+2	ENE	3	c	41	65	32	8	5	–	–	7-8	7-8	3000
17	Blacksod Point	18	07·5	+12	ENE	4	b	49	85	45	7	–	–	–	0	0	–
18	Malin Head ...	84	08·6	+4	ESE	4	c	45	75	38	8	8	–	–	10	10	2500
	Aldergrove ...	268	08·2	+8	ENE	2	bc	38	85	33	7	5	4	–	1	2-3	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·3	+10	NE'E	4	b	45	85	41	8	5	–	–	1	1	2500
	Roches Point	22	02·8	+10	NE	4	bc	46	92	44	7	5	–	–	4-6	4-6	1500

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

Stations	Barom. at M.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)	02·5	+16	NE	3	fofo	46	92	44	6	6	2	–	9+	10	1500	1	*
Croydon ...	02·1	+14	NE'N	2	fofo	45	97	44	5	6	–	–	10	10	500	1	*
S. Farnborough	02·1	+18	NE	2	fofo	46	92	44	6	5	–	–	10	10	500	1	*
Boscombe Down	02·5	+20	NE	3	dodo	46	92	44	7	6	2	–	9	10	800	1	*
Thorney Island	01·6	+18	ENE	3	ido	48	97	47	6	6	–	–	10	10	800	1	*
Lympne ..	02·0	+14	N'W	3	fofo	46	97	45	6	6	7	–	9	10	500	1	§ 3
Manston ...	01·7	+14	NE'N	3	fofo	45	97	44	5	5	–	–	10	10	200	1	*
Shoeburyness ...	02·8	-14	NE'N	3	rr	45	97	44	5	6	2	–	4-6	10	500	1	*
Felixstowe ...	02·3	+2	NE'N	3	dodo	45	92	44	5	5	–	–	10	10	400	1	2
Gorleston ...	03·3	+12	NNE	4	zo	43	92	42	6	5	–	–	9+	9+	1500	0	2
Mildenhall ...	03·4	+14	NNE	3	dodo	45	92	42	6	5	–	–	10	10	400	1	*
Cranwell ...	06·2	+10	NE'N	5	zo	43	92	50	6	5	–	–	10	10	700	1	*
Birmingham ...	05·3	+8	NE	3	df	41	92	39	3	5	–	–	10	9	450		*
Upper Heyford	03·3	+16	NE'N	4	dodo	43	97	42	6	5	–	–	10	10	400	1	*
Ross-on-Wye	04·3	+14	NNE	2	ido	42	92	40	6	5	–	–	10	10	800	1	*
Hartland Point	02·4	+26	NE	4	fofo	45	92	43	6	6	2	–	4-6	10	600	1	4
Bristol ...	03·9	+18	NE	3	fofo	43	97	42	5	6	2	–	9	10	450	1	*
Portland Bill ...	01·2	+24	ENE	3	o	47	92	45	7	5	–	–	10	10	2500	1	4
Plymouth ...	01·7	+22	NE	3	c	47	92	45	7	5	–	–	10	10	1000	1	3
The Lizard ...	00·9	+20	NE	3	c	47	97	47	8	8	2	–	9	10	1400	1	4
Scilly (St. Mary's)	01·5	+28	ENE	3	c	49	97	48	7	5	2	–	7-8	10	800	1	4
Guernsey ...																	
Pembroke ...	03·8	+20	NE'N	3	c	46	85	43	6	2	6	–	4-6	7-8	2500	1	2
Holyhead (Valley)	05·5	+14	NE	4	c	45	75	36	8	5	–	–	10	10	4000	1	3
Chester (Sealand)	06·1	+8	NNE	3	zo	45	75	37	6	5	2	–	7-8	9+	4000	0	*
Manchester ...	06·0	+14	NE	4	bc	44	85	39	6	5	4	–	4-6	4-6	2500	0	*
Spurn Head ...	04·2	0	NNE	6	c	43	92	41	7	8	6	–	7-8	10	1500	1	4
Catterick ...	08·5	+14	NNE	4	zo	42	85	37	6	5	–	–	10	10	2200	1	*
Tynemouth ...	08·5	+8	NNE	5	c	43	85	38	7	5	–	–	9	9	1800	0	4
St. Abbs Head	09·9	+2	N	3	c	41	75	33	7	5	–	–	10	10	1800	0	4
Leuchars ...	11·0	+6	NNE	3	c	43	65	33	8	5	–	–	9+	9+	3000	0	*
Renfrew (Abbots I.)	11·1	+6	ENE	4	c	43	65	30	8	5	–	2	2-3	7-8	2500	0	*
Eskdalemuir ...	09·3	+8	NE	3	bc	42	65	30	8	5	–	–	4-6	4-6	1300	0	*
Point of Ayre...	07·6	+4	E'N	6	b	44	85	39	8	2	4	–	tr	1	2500	0	5
Tiree	11·4	+34	ENE	1	bc	45	65	33	8	1	–	5	2-3	4-6	3500	0	2
Stornoway ...	13·4	+14	ENE	4	c	43	75	35	8	5	7	–	7-8	9+	2500	0	2
Dalwhinnie ...	12·3	+2	NNE	3	c	40	55	27	8	5	–	6	4-6	7-8	2500	0	*
Aberdeen † ...	12·2	+10	NE	4	c	43	75	34	8	5	–	–	9+	9+	2500	0	3
Wick ...	13·9	+4	ENE	3	c	43	65	33	9	5	–	–	10	10	3000	0	*
Sumburgh ..	13·9	-6	NNE	2	c	43	75	34	8	5	–	–	7-8	7-8	3200	0	2
Blacksod Point	09·6	+14	NE	5	c	46	75	39	8	5	–	–	9+	9+	4000	0	7
Malin Head ...	09·8	+10	E'N	3	bc	44	65	33	8	4	–	1	2-3	4-6	4000	0	3
Aldergrove ...	09·4	+8	ENE	2	bc	43	65	33	8	5	4	–	4-6	4-6	2000	0	*
Birr Castle ...	07·6	+14	NNE	2	c	44	85	40	8	5	–	–	7-8	7-8	1500	0	*
Valentia Obsy.	07·8	+22	NE'E	3	c	46	85	42	8	2	4	2	2-3	9	2500	1	2
Roches Point	06·1	+18	N'E	3	c	47	85	43	8	5	–	–	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 12th. Hrs. (38)
London (Kew)	53	45	45	tr	6	0·0
Croydon ...	53	45	45	tr	8	0·1
S. Farnborough	54	45	45	tr	5	0·1
Boscombe Down	52	43	44	0·5	5	0·0
Thorney Island	55	47	45	2	4	*
Lympne ..	56	45	45	1	7	2·7
Manston ...	51	44	44	1	10	0·2
Shoeburyness ...	54	44	44	tr	10	0·3
Felixstowe ...	53	43	44	–	3	2·3
Gorleston ...	49	43	42	–	tr	0·0
Mildenhall ...	49	44	43	tr	tr	0·0
Cranwell ...	49	41	41	tr	1	0·0
Birmingham ...	48		39	–		0·0
Upper Heyford	48	42	43	tr	1	*
Ross-on-Wye	49	42	41	tr	0·1	0·0
Hartland Point	50	44	43	3	5	7·0
Bristol ...	48	42	42	3	9	0·0
Portland Bill ...	49	45	*	17	4	*
Plymouth ...	54	47	46	11	2	0·0
The Lizard ...	52	46	*	9	0·5	0·0
Scilly (St. Mary's)	54	48	*	3	1	0·0
Guernsey ...						
Pembroke ...	51	30	*	4	1	0·0
Holyhead (Valley)	54	43	41	–	–	*
Chester (Sealand)	53	43	44	–	–	0·2
Manchester ...	52	41	39	–	–	*
Spurn Head ...	45	43	*	0·5	0·5	0·0
Catterick ...	45	41	40	0·4	tr	0·0
Tynemouth ...	46	42		–	–	*
St. Abbs Head	44	42	*	–	–	
Leuchars ...	49	41	39	–	–	8·6
Renfrew (Abbots I.)	52	36	24	–	–	0·2
Eskdalemuir ...	49	36	35	tr	–	0·3
Point of Ayre...	50	42	*	tr	–	1·9
Tiree	55	41	*	–	–	14·0
Stornoway ...	49	42	*	–	–	6·3
Dalwhinnie ...	49	31	22	–	–	9·7
Aberdeen † ...	48	40	36	–	–	0·2
Wick ...	46	40	40	tr	–	*
Sumburgh ..	47	41	37	–	–	1·8
Blacksod Point	53	45	*	–	–	
Malin Head ...	51	43		–		6·8
Aldergrove ...	55	32	31	–	tr	5·2
Birr Castle ...	54	42	40	–	–	
Valentia Obsy.	52	44	40	3		1·4
Roches Point	50	44	*	9	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 12th May ... 18h. G.M.T.				01h. G.M.T. 13th May ... 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
109			5-	02857	04427	5-	02857	04427
115			52	02844	08427			
203	04 01990	04523				10	00962	04201
206	5- 02856	06588	5-	63758	06528	5-	02858	06468
210	5- 22858	04468	5-	02868	04528	5-	02868	04328
220	10 00951	04401	00	00990	06400			
230	59 02961	05315	59	02961	32315	03	01990	02314
245	5- 02956	05527	5-	02957	37527	5-	02855	36325
260	5- 02855	05428	53	01854	05424	5-	02855	05415
278	81 4 01861	07424				04	00890	04401
279	57 02855	03628	53	02855	04626	53	02855	05416
285	5- 02747	06427						
288	5- 05648	03528	5-	05648	04528	5-	05548	37528
575	57 02856	08328	50	01862	08315	5-	02857	08427
301	5- 05658	07428				50	01763	06323
321	57 02844	02468	5-	02748	38428	52	02745	03458
299	5- 02747	04427	5-	02758	04428	5-	02758	01528
292	5- 02848	01468	5-	02748	01468	5-	02746	32326
310								
614	5- 0273+	02228	52	61645	04428	53	52438	04458

	13h. G.M.T. 12th May ... 18h. G.M.T.				01h. G.M.T. 13th May ... 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
332	00 02790	07415				5-	05655	02225
334	-- 02645	04316						
340	52 05656	08428	07	05690	06428	5-	05648	04328
136	5- 51628	02358	5-	52508	02458	5-	57308	04258
336			57	05655	08428			
350	5- 05637	03358	5-	51628	03458	5-	67248	02458
368			5-	52536	05468	52	62537	40468
379			5-	05638	04528	5-	67328	37568
390	5- 0568	04228	5-	05648	02228	5-	64328	02268
882	5- 05648	04328	5-	05648	04328	5-	62528	03368
438	87 81544	06388				50	08448	02368
430	5- 62545	06368	52	62545	-----	5-	62548	06468
409	55 62838	11468	62	62626	04468	5-	05558	04468

	13h. G.M.T. 12th May ... 18h. G.M.T.				01h. G.M.T. 13th May ... 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
333	5- 05655	02225	5-	02757	08217			
334	-- 03547	04228						
340	5- 51648	04258						
136	5- 05628	05358						
336	57 05644	04428						
350	6- 52528	03368						
368	52 61635	07468						
379	6- 62728	37568						
390	5- 62418	04248						
882	5- 62628	04368						
438								
430	5- 61636	04368						
409	52 61745	04368						

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 13th May.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cm$_o$cz$_o$	cz$_o$ir$_o$z$_o$	ir$_o$r$_o$r$_o$m$_o$	Kew 24 hours ended 7h. Max. Time 0·1 7-21h on 12th. Min. Time <0·1 0-5h on 13th.
Croydon ...	cm$_o$	cm$_o$r$_o$r$_o$	cmr$_o$r$_o$m$_o$	
Greenwich ...	c	cr$_o$	r$_o$rr	
Camden Square	c	c	*	
Kensington ...	c	co	*	
Hampstead ...	obc	od	or	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	53	45	45	Tr	6	0·0	*	*
Croydon ...	53	45	45	Tr	8	0·1	*	*
Greenwich ...	53	44	44	Tr	9	0·0	71	94
Westminster ...	55	46	45		7		85	97
Regents Park ...	54	45	44	–	7		68	88
Camden Square	54	45	46	–	6	*	*	95
Kensington ...	54	45	44	–	7		82	97
Hampstead ...	53	42	40	Tr	5		*	99

BRITISH SECTION

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

SECRET

Thursday 14th May 1942

No. 29393

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	05·6	+14	NNE	2	2o	50	85	43	5	5	–	–	9+	9+	2500
	Croydon ...	05·5	+18	NNW	3	m	46	97	43	4	5	–	–	10	10	600
	S. Farnborough	05·8	+18	NE	3	d.o.d.	49	85	43	6	5	–	–	10	10	800
	Boscombe Down	06·2	+18	N	3	c/d	46	92	44	5	–	2	–	10	10	500
	Thorney Island	05·0	+18	NNE	4	pr	52	85	47	6	9	–	–	4-6	10	1100
	Lympne ...	05·2	+16	N	4	d.o.d.	47	92	43	6	5	–	–	10	10	400
	Manston ...	04·9	+14	N'E	4	dr	46	97	43	5	–	2	–	10	10	200
2	Shoeburyness ...	05·7	+6	N	2	id.	49	92	46	6	5	–	–	10	10	1500
	Felixstowe ...	04·2	+6	ENE	3	2o	53	85	48	6	5	–	–	9+	9+	2800
	Gorleston ...	06·5	+16	NNE	2	bc	49	85	44	7	1	–	–	4-6	4-6	2000
	Mildenhall ...	05·7	+14	N'E	3	bc	55	75	46	7	7	–	–	4-6	4-6	2500
	Cranwell ...	07·1	+10	NNE	5	bc	55	65	43	8	1	3	–	2-3	2-3	2000
3	Birmingham ...	06·4	+8	NE	3	2o	58	45	38	6	1	–	–	1	1	2500
	Upper Heyford	05·8	+10	NE	3	2o	55	75	45	6	5	–	3	3	3	1500
4	Ross-on-Wye	06·4	+8	E'N	3	2o	53	75	44	5	7	–	–	7-8	7-8	3500
5	Hartland Point	06·4	+20	NNE	3	c	50	85	46	7	5	6	–	7-8	9	1000
	Bristol ...	07·1	+18	NNE	3	m	46	97	45	7	5	2	–	9	10	700
	Portland Bill ...	04·8	+24	E'N	4	o	51	92	43	7	5	–	–	10	10	2500
	Plymouth ...	05·9	+24	ENE	3	2o	50	85	46	6	5	–	–	10	10	1400
	The Lizard ...	06·1	+20	–	0	c	51	85	47	8	8	2	–	9	10	1200
	Scilly (St. Mary's)	06·4	+24	NE'N	4	c	52	85	48	7	5	2	–	7-8	9	800
	Guernsey ...															
6	Pembroke ...	07·4	+20	N	3	c	53	75	47	7	8	6	–	7-8	9+	2500
7	Holyhead (Valley)	07·6	+8	NE	3	b	55	55	47	7	–	–	–	0	0	–
	Chester (Sealand)	07·3	+6	NE'N	3	b	60	45	40	6	5	–	–	Tr	Tr	2000
8	Manchester ...	07·4	+6	NE	3	bc	60	55	41	7	5	–	1	Tr	2-3	4000
10	Spurn Head ...	07·5	+6	NE	6	c	48	85	44	6	8	6	–	7-8	10	1500
	Catterick ...	09·9	+6	NE'N	4	2o	52	65	41	6	1	–	–	2-3	2-3	2800
	Tynemouth ...	11·2	+10	NNE	6	c	45	85	40	7	8	–	–	9+	9+	2400
11	St. Abbs Head	11·3	+6	N	2	o	44	75	33	7	5	–	–	10	10	2000
	Leuchars ...	12·5	+4	ENE	3	c	48	55	35	9	1	–	4	Tr	9	4000
12	Renfrew (Abbots I.)	11·2	−2	E'S	4	c	56	45	33	8	–	–	2	0	7-8	–
	Eskdalemuir ...	09·6	+12	NE'E	4	bc	53	55	35	8	1	–	2	Tr	4-6	2500
	Point of Ayre ...	09·6	+8	ENE	4	b	52	75	46	8	–	+	5	0	1	–
13A	Tiree ...	12·7	+4	N'W	1	bc	52	55	36	8	1	–	6	Tr	2-3	3500
13B	Stornoway ...	13·8	+2	NNE	4	b	48	75	39	8	1	–	–	1	1	3000
15	Dalwhinnie ...	12·3	+2	NNE	3	bc	54	45	32	8	–	–	2	0	4-6	–
	Aberdeen ...	13·6	+10	ENE	4	bc	48	65	36	8	7	–	6	1	2-3	2900
	Wick ...	15·0	+6	E	2	c	46	65	36	9	5	–	–	7-8	7-8	4000
16	Sumburgh ...	14·8	+4	E	2	c	45	65	36	9	1	4	6	1	7-8	3000
17	Blacksod Point	11·7	+10	NNE	4	bc	54	65	43	8	8	3	–	1	2-3	4000
	Malin Head ...	11·6	+6	ENE	1	c	47	55	32	8	4	–	5	2-3	7-8	4000
	Aldergrove ...	10·6	+4	NE'N	3	bc	55	45	34	8	1	–	–	Tr	2-3	4000
19	Birr Castle ...	09·7	+10	NNE	2	bc	56	55	41	7	1	–	–	2-3	2-3	2500
20	Valentia Obsy.	09·3	+6	NE'E	3	b	58	65	54	8	1	–	1	Tr	Tr	4000
	Roches Point	09·4	+18	S'E	2	c	51	85	47	8	5	–	–	9+	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	07·0	+14	N	3	2o	54	75	45	6	1	–	–	2-3	2-3	2500	1	*
	Croydon ...	06·4	+10	N	3	2o	55	75	47	6	5	3	–	4-6	9	2000	1	*
	S. Farnborough	07·0	+12	NE'N	2	c	55	75	46	7	5	4	–	4-6	7-8	2500	1	*
	Boscombe Down	07·6	+10	NE'N	3	bc	55	75	45	7	5	–	–	4-6	4-6	1800	1	*
	Thorney Island	06·6	+12	N'E	2	2o	57	75	51	6	2	3	–	1	9+	2500	1	*
	Lympne ...	06·0	+18	NNE	1	2o	52	75	46	6	5	7	–	7-8	9+	7000	1	§
	Manston ...	06·2	+12	N'E	2	2o	48	85	45	5	5	3	–	9+	10	400	1	*
2	Shoeburyness ...	06·9	+14	ENE	2	c	53	85	47	6	5	7	–	4-6	9	3500	1	*
	Felixstowe ...	05·8	+8	N'E	3	2o	55	75	47	6	5	–	–	9+	9+	2500	1	2
	Gorleston ...	07·3	+12	NNE	4	2o	48	92	46	6	5	–	–	10	10	1000	0	3
	Mildenhall ...	07·6	+14	N'W	3	id.	48	97	46	6	5	–	–	10	10	500	0	*
	Cranwell ...	09·0	+14	N'E	4	2o	47	92	44	6	5	–	–	10	10	700	0	*
3	Birmingham ...	08·2	+12	NE	3	bc	58	55	43	7	7	–	–	4-6	4-6	2500	1	*
	Upper Heyford	07·3	+8	NE	2	2o	55	75	45	6	4	–	–	2-3	2-3	2500	0	*
4	Ross-on-Wye	07·8	+14	ENE	2	bc	58	55	44	7	5	–	–	4-6	4-6	4000	0	*
5	Hartland Point	08·8	+16	NW	2	bc	49	85	45	7	–	4	–	0	2-3	–	1	3
	Bristol ...	08·1	+10	NNE	1	2o	57	75	50	6	5	–	–	9+	9+	4000	1	*
	Portland Bill ...	06·8	+6	N	3	0	50	92	48	7	5	–	–	10	10	2500	1	4
	Plymouth ...	08·4	+14	N'W	1	2o	52	85	47	6	5	2	–	9+	10	1600	1	3
	The Lizard ...	08·6	+14	–	0	c	51	92	43	7	5	–	–	7-8	10	1000	1	3
	Scilly (St. Mary's)	09·5	+18	NNE	3	c	50	85	46	6	8	–	–	10	10	1200	1	3
	Guernsey ...																	
6	Pembroke ...	09·0	+8	N	4	bc	52	75	46	7	5	3	–	2-3	4-6	3000	1	2
7	Holyhead (Valley)	08·9	+10	NNE	3	b	54	55	37	8	5	–	–	Tr	Tr	3000	1	3
	Chester (Sealand)	08·8	+14	WNW	3	b	55	65	44	6	–	–	–	0	0	–	0	*
8	Manchester ...	09·0	+14	ENE	3	b	57	55	42	7	–	–	–	0	0	–	0	*
10	Spurn Head ...	09·2	+8	NNE	5	m	45	97	44	4	5	–	–	10	10	800	0	4
	Catterick ...	11·6	+16	NE	3	2o	47	85	41	6	5	3	–	7-8	9+	4500	0	*
	Tynemouth ...	12·3	+6	NNE	5	c	44	92	42	7	5	–	–	9+	9+	1400	0	3
11	St. Abbs Head	13·1	+8	N	2	c	43	75	36	7	5	4	–	7-8	9+	2000	0	4
	Leuchars ...	13·5	+10	E	3	c	45	75	37	8	5	–	2	2-3	9	2000	0	*
12	Renfrew (Abbots I.)	12·2	+10	ENE	3	c	53	45	34	8	–	–	6	0	9	–	0	*
	Eskdalemuir ...	11·5	+8	NE'E	3	c	49	55	35	8	–	–	8	0	7-8	+	0	*
	Point of Ayre ...	10·1	+4	NE'E	3	b	54	75	47	8	–	4	5	0	1	–	0	3
13A	Tiree ...	12·9	+2	N	1	b	49	65	39	8	–	–	–	0	0	–	0	2
13B	Stornoway ...	13·9	+2	NNE	5	b	47	75	40	8	1	–	–	Tr	Tr	4000	0	3
15	Dalwhinnie ...	13·5	+4	SSE	3	bc	55	45	35	8	2	–	2	1	4-6	4000	0	*
	Aberdeen ...	14·2	+10	E	3	c	46	65	36	8	5	–	–	7-8	7-8	2900	0	3
	Wick ...	14·7	0	ESE	2	c	45	75	35	9	5	–	–	7-8	7-8	4000	0	*
16	Sumburgh ...	14·5	−4	NNW	2	b	47	65	37	9	5	7	8	Tr	1	4000	0	1
17	Blacksod Point	12·4	+6	N	4	b	51	75	44	8	–	–	–	0	0	–	0	3
	Malin Head ...	12·4	+6	N'E	2	c	48	65	37	8	4	–	7	2-3	7-8	4000	0	2
	Aldergrove ...	11·3	+6	NE'E	3	bc	56	45	34	8	–	4	6	0	4-6	–	0	*
19	Birr Castle ...	09·5	+2	NNW	1	bc	61	45	41	7	–	–	8	0	2-3	–	0	*
20	Valentia Obsy.	11·0	+14	NNW	3	b	55	65	44	9	1	–	–	1	1	4000	1	3
	Roches Point	10·8	+10	S	3	c	51	85	47	8	5	–	5	4-6	7-8	2500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 13th (39)	Weather. 13h.—18h. 13th (40)	Weather. 18h. 13th to 1h. 14th (41)	Weather. 1h.—7h. 14th (42)
1	London (Kew)	r. r c m o	c m o 2 o	b b c m	c m
	Croydon ...	c r o r o m	o m c 2 o	c m	i d	c m
	S. Farnborough	c r o m d o m o	c d d o c m o	c c b m c	c m.
	Boscombe Down	o d o d o m o	c m o c	b c b m o	c m
	Thorney Island	i d o c m o	c m o m	b m	b c m	c m
	Lympne ...	r o r o o m d	o d	c m	c	c c m	c m m m o m
	Manston ...	r o r o d r m o	r o d o c m o	c m m m	c m
2	Shoeburyness ...	m o r r i d.	o i d o c m	c m	c m c
	Felixstowe ...	c d d o c m	c m o	c m c m o m c m	c m	b c
	Gorleston ...	b b c	c m.	c m	c
	Mildenhall ...	c d c m o b c	c m o c i d o	m o c m o m	c m
	Cranwell ...	b c c	c m o	c m	c m c m
3	Birmingham ...	f d. o b	b c b	b c	b c m
	Upper Heyford	c d c b m o f	c m o b c m o	b z m c m	p m c m
4	Ross-on-Wye	d o m o m c		b c b	b w c
5	Hartland Point	r o r o c	c b c	b c c	c
	Bristol ...	c r o r o m o	c m c c 2 o	c z b c b m	c m m z w
	Portland Bill ...	c	g o	c b c	b c c
	Plymouth ...	c	c m o	c m z b m z	b c m c m z
	The Lizard ...	c	c	o m z	c
	Scilly (St. Mary's)	c i r o c	c	c	c
	Guernsey ...				
6	Pembroke ...	c	c b c	c	b c m z w
7	Holyhead (Valley)	c b	b y	b y b	c m z w
	Chester (Sealand)	b z o	z o b	b z m	b c c f m
8	Manchester ...	b c m o y	b y	b z m z	b m z m w
10	Spurn Head ...	b c c	o m	o	o m
	Catterick ...	c m b c z o	b z o c m o	c m c f	d f d. c d. m
	Tynemouth ...	c	c	c o	o
11	St. Abbs Head	c	c	c	c
	Leuchars ...	c c y	c b c c	c b c	b c m z c
12	Renfrew (Abbots I.)	c b y	b c y c y	c y b c b m z	b m z b c
	Eskdalemuir ...	b c	b c y	c b c c	c o m z
	Point of Ayre ...	b	b	b	b b c b
13A	Tiree ...	b c	b	b	b
13B	Stornoway ...	c b c b	b	b	b
15	Dalwhinnie ...	c b c y	b c y		b c b
	Aberdeen ...	c, b	b b c c	c b c	b z w
	Wick ...	c	c	b c b	b
16	Sumburgh ...	c b c	c, b	c b c	c
17	Blacksod Point	b c	b	b	b
	Malin Head ...	c	b c	b	b
	Aldergrove ...	b c b b y	b y b c y	b c b	b w m z b m z
19	Birr Castle ...	b c	b c		b
20	Valentia Obsy.	b c	b c	b	b c
	Roches Point	b c	b c	b c	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 14th May

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable winds becoming southerly, light to moderate, to-morrow. Dull near the East coast at first, otherwise fair to fine. Somewhat warmer by day, cool at night with some ground frost.
5 S.W. England	Winds becoming southeast, moderate to fresh locally later. Mainly cloudy; occasional rain to-night and to-morrow morning. Some hill and coast fog later; becoming slowly milder.
6 South Wales 7 North Wales 8 N.W. England	
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Light variable winds becoming southeasterly, light to moderate. Mainly fine; mainly average day temperature, but cold at night with frost in places, especially in the North.
15 N.E. Scotland	Light variable wind; variable cloud. Some light showers or local rain in coastal areas; rather cold.
16 Orkneys and Shetlands	
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light southeast winds, freshening slowly. Fine to fair; higher cloud increasing. average temperature.

GENERAL INFERENCE

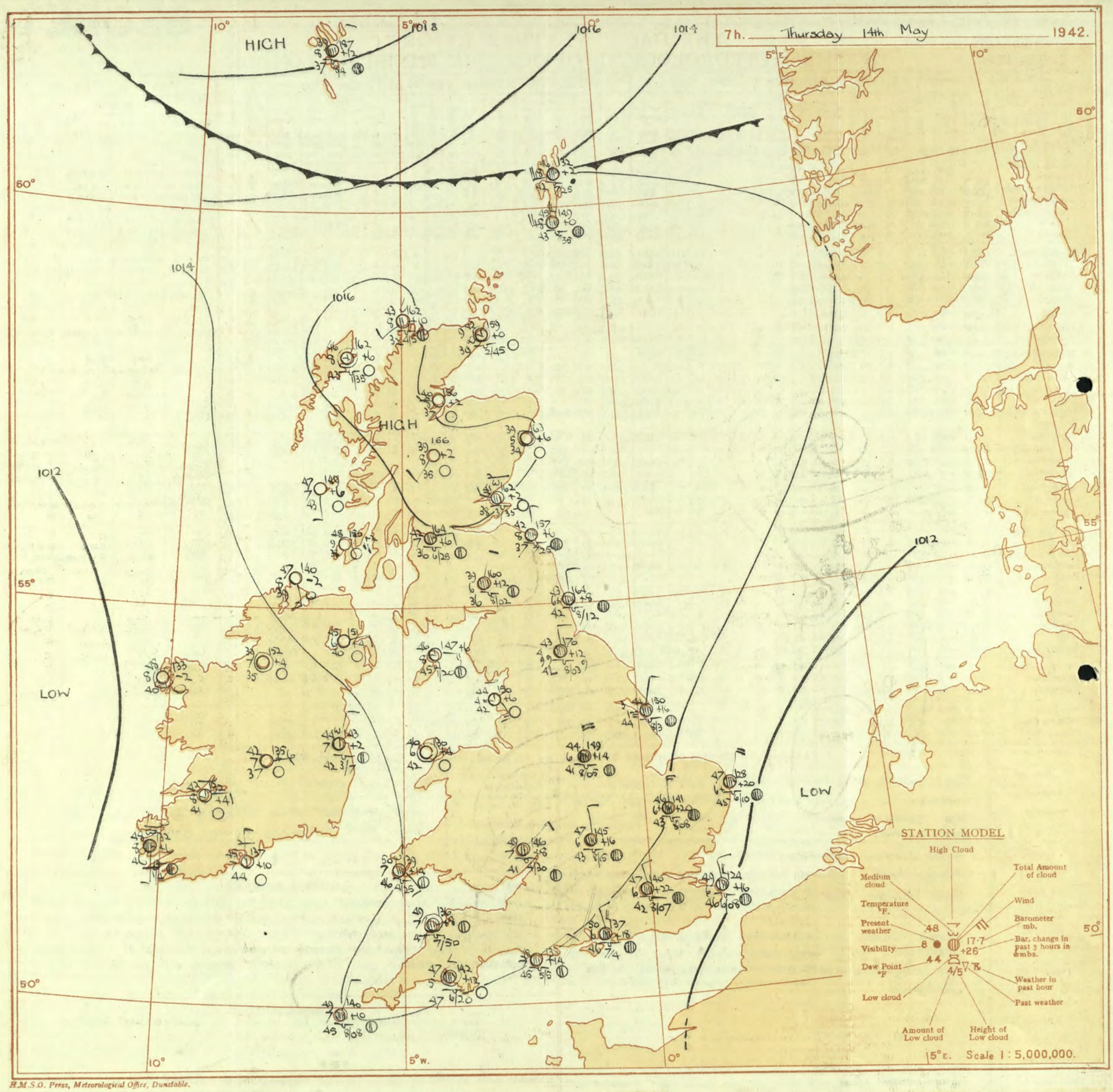
A ridge of high pressure extends from Iceland to the northern half of the British Isles and is likely to spread southeast, whilst a trough of low pressure associated with an Atlantic depression moves up over the Bay of Biscay. Rain will spread to southwest districts of England to-night but over the greater part of the country weather will be fair to fine.

FURTHER OUTLOOK

Rain is expected to spread slowly to western and southern districts, with milder conditions.

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).

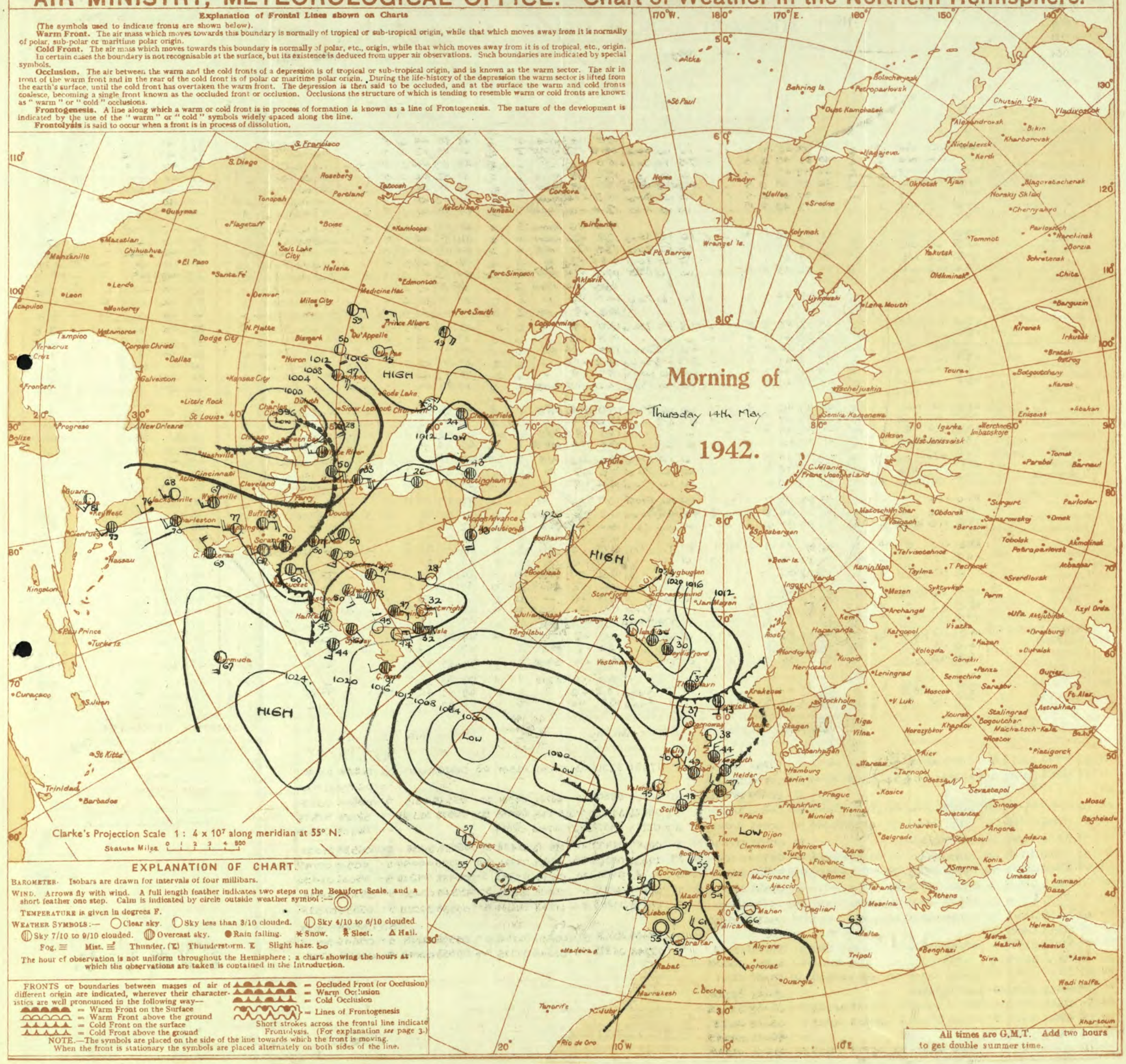
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Thursday 14th May 1942

No. 29393

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

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	11.4	+10	NW	3	Zo	47	97	46	·5	·5	-	-	10	10	500
	S. Farnborough	226	11.5	+14	N'E	2	Zo	49	85	45	6	·5	-	-	7-8	10	3000
	Boscombe Down	417	12.0	+44	N'E	2	Zo	44	92	43	6	-	-	-	0	0	-
	Thorney Island	10	11.0	+4	ESE	2	Zo	46	97	45	6	·5	-	-	4-6	4-6	1900
	Lympne	283	11.1	+10	NNE	5	m	48	97	48	4	·5	-	-	10	10	800
	Manston	154	10.0	+12	N'W	3	Zo	48	92	46	5	·5	-	-	10	10	400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	09.3	+10	N	3	Zo	48	92	46	·5	·5	-	-	10	10	1400
	Gorleston	5	10.3	0	N'E	3	Zo	47	85	43	·5	·5	-	-	10	10	800
	Mildenhall	15	11.3	+14	N'W	3	Zo	47	92	45	·5	·5	-	-	10	10	800
	Cranwell	203	13.0	+12	N'E	4	m	45	92	43	4	·5	-	-	10	10	100
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12.2	+14	NNE	3	Zo	45	92	44	·5	·5	-	-	10	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12.0	+10	WSW	2	c	49	92	47	6	·5	-	-	7-8	7-8	2500
	Bristol	209	12.1	+16	-	0	bf+	42	97	41	3	-	-	-	0	0	-
	Portland Bill	32	11.2	+16	N	2	bc	48	92	46	7	·5	-	-	4-6	4-6	2500
	Plymouth	82	12.2	+10	N	2	Zo	47	92	44	5	5	-	-	2-3	2-3	3000
	The Lizard	240	12.4	+14	NNW	2	o	48	92	46	7	·5	-	-	10	10	1000
	Scilly (St. Mary's)	163	13.1	+10	N'W	1	c	48	92	46	6	·5	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	12.2	+6	NW	2	c	49	85	46	7	8	-	-	10	10	2500
7	Holyhead (Valley)	32	11.6	+6	NNE	1	bc	42	75	37	7		-	1	0	2-3	-
	Chester (Sealand)	16	13.1	+14	E	1	m	41	92	38	4	-	-	-	0	0	-
8	Manchester	235	13.1	+15	ENE	1	Zo	41	97	40	·5	-	-	-	0	0	-
10	Spurn Head	29	13.0	+20	N	4	o	44	97	44	6	·5	-	-	10	10	1500
	Catterick	175	15.1	+10	NNE	3	of+	44	92	42	3	·5	-	-	10	10	700
	Tynemouth	108	15.3	+6	NNW	4	o	44	97	43	6	·5	-	-	10	10	1500
11	St. Abbs Head	280	15.0	+14	-	0	c	41	85	37	7	·5	-	-	10	10	1500
	Leuchars	36	15.8	+10	N	1	bc	40	75	34	8	·5	-	2	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	15.6	+10	ENE	2	Zo	40	85	35	6	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13.0	+12	E	4	b	46	97	45	8	-	4	1	0	1	*
13A	Tiree	22	14.2	+2	-	0	b	40	92	38	8	-	-	·5	0	1	-
13B	Stornoway	80	15.6	+6	NNW	2	b	37	92	36	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15.9	+4	NNE	1	b	31	92	29	9	-	-	-	0	0	-
	Wick	114	16.0	+2	S	1	b	38	85	35	8	·5	-	-	1	1	3500
16	Sumburgh	19	14.8	-2	WSW	3	bc	43	85	39	8	·5	3	2	1	4-6	4000
17	Blacksod Point	18	13.9	+2	NE'E	3	b	46	85	42	8	-	-	-	0	0	-
18	Malin Head	84	14.0	+2	S	1	b	40	85	36	8	-	-	-	0	0	-
	Aldergrove	268	14.4	+10	-	0	b	36	92	34	7	-	4	-	0	Tr	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12.0	+6	SE'S	3	b	45	97	44	8	·5	-	-	Tr	Tr	4000
	Roches Point	22	13.1	+10	N	2	b	46	87	45	8	·5	-	-	1	1	4000

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	13.9	+14	NNE	3	Zo	48	85	44	6	·5	-	-	10	10	2500	1	*
Croydon	14.0	+22	NNW	2	Zo	47	85	42	6	·5	-	-	10	10	700	1	*
S. Farnborough	14.0	+14	N	2	Zo	48	85	44	6	·5	-	-	10	10	900	1	*
Boscombe Down	15.1	+18	NNW	2	Zo	47	92	44	6	·5	-	-	9+	9+	600	1	*
Thorney Island	13.7	+18	N'W	2	Zo	50	85	46	6	·5	2	-	9+	10	1500	1	*
Lympne	13.3	+14	NNW	3	Zo	48	92	46	6	·5	-	-	10	10	500		§2
Manston	12.4	+16	NNW	2	Zo	49	85	46	6	·5	2	-	9	10	800	1	*
Shoeburyness	13.2	+16	NNW	3	c	48	92	46	5	·5	-	-	10	10	4000	1	*
Felixstowe	12.8	+26	NNW	4	c	50	85	44	7	·5	3	-	4-6	7-8	4000	0	2
Gorleston	12.8	+20	N'E	4	Zo	47	92	45	6	·5	-	-	9	9	1000	0	3
Mildenhall	14.1	+20	N	3	Zo	46	92	43	6	·5	-	-	10	10	800	0	*
Cranwell	14.0	+14	N'W	4	Zo	44	92	41	6	·5	-	-	10	10	500	0	*
Birmingham	15.6	+14	NNE	2	m	46	85	42	4	·5	-	-	10	10	450	1	*
Upper Heyford	14.5	+16	N	2	Zo	47	85	43	6	·5	-	-	10	10	1500	0	*
Ross-on-Wye	14.6	+8	NE	2	bc	49	75	41	7	7	-	-	4-6	4-6	3000	0	*
Hartland Point	13.6	+8	-	0	c	49	92	43	7	·5	-	-	9+	9+	5000	1	2
Bristol	15.3	+10	-	0	Zo	47	97	46	·5	5	-	-	9+	9+	2500	1	*
Portland Bill	13.8	+14	NE	2	c	48	92	45	7	·5	-	-	7-8	7-8	2500	1	3
Plymouth	14.2	+12	-	0	Zo	47	97	47	·5	·5	1	-	9	9+	2000	1	
The Lizard	13.7	+8	-	0	c	48	92	46	·5	8	2	-	9	10	1000	0	3
Scilly (St. Mary's)	14.0	+10	NNE	1	c	49	85	45	7	·5	-	-	10	10	800	1	2
Guernsey																	
Pembroke	13.0	+14	SE'E	1	c	50	85	46	7	·5	·3	-	4-6	7-8	2500		1
Holyhead (Valley)	13.0	+4	-	0	Zo	46	85	42	6	-	-	-	0	0	-	1	2
Chester (Sealand)	14.9	+8	SE'S	1	m	46	92	43	4	·5	-	-	9+	9+	2000	0	*
Manchester	15.4	+14	NE'E	1	Zo	45	92	43	·5	·5	-	-	Tr	Tr	4000	0	*
Spurn Head	15.0	+16	N'E	4	of+	44	97	44	3	·5	-	-	10	10	800	0	3
Catterick	17.0	+12	N	2	[illegible]	43	92	42	4	·5	-	-	10	10	600	1	*
Tynemouth	16.4	+8	N	2	o	43	97	42	6	5	-	-	10	10	1200	0	2
St. Abbs Head	15.7	+6	N	1	c	42	85	37	8	·5	-	-	9+	9+	2500	0	3
Leuchars	16.2	+2	WNW	1	c	41	85	38	7	5	3	8	2-3	7-8	3500	0	*
Renfrew (Abbots I.)	16.4	+6	ENE	2	c	42	85	36	7	·5	-	-	9	9	2500	0	*
Eskdalemuir	16.0	+12	N'E	2	o	39	97	38	6	·5	-	-	10	10	20[illegible]	0	*
Point of Ayre	14.7	+6	E'S	3	o	46	97	45	8	1	-	-	Tr	Tr	2000	0	3
Tiree	14.0	+6	S	1	b	47	85	43	7	-	-	-	0	0	-	0	2
Stornoway	16.2	+6	-	0	b	46	85	43	8	·5	-	-	Tr	Tr	3500	1	1
Dalwhinnie	16.6	+2	SW	2	b	39	85	35	8	-	-	-	0	0	-	1	*
Aberdeen †	16.3	+6	-	0	Zo	39	85	34	·5	-	-	-	0	0	-	0	2
Wick	15.9	0	-	0	b	42	85	39	9	·5	-	-	1	1	4500	0	*
Sumburgh	14.9	0	W'S	5	c	45	92	43	8	·5	2	-	9+	10	3500	0	2
Blacksod Point	13.3	-2	-	0	b	48	85	44	8	-	-	-	0	0	-	0	1
Malin Head	14.0	-2	SSE	3	b	47	75	40	8	-	-	-	0	0	-	0	1
Aldergrove	15.1	+4	ENE	2	Zo	45	85	40	6	-	-	-	0	0	-	0	*
Birr Castle	13.5	+6	ENE	1	b	42	55	27	7	-	-	-	0	0	-	0	*
Valentia Obsy.	13.2	+6	S	1	c	48	92	46	8	·5	7	2	Tr	9+	1500	1	1
Roches Point	13.7	+10	N	2	bc	45	87	44	7	-	-	·5	0	2-3	-	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 13th Hrs. (38)
London (Kew)	57	47	46	2	-	2.8
Croydon	57	47	46	1	Tr	0.2
S. Farnborough	56	47	44	0.6	-	1.3
Boscombe Down	55	41	37	11	Tr	1.2
Thorney Island	57	44	35	-	-	*
Lympne	53	46		Tr		
Manston	50	47	45	3	-	0.1
Shoeburyness	55	47	47	1	-	0.3
Felixstowe	55	47	47	0.1	-	2.4
Gorleston	(49)	46	44	-	-	2.7
Mildenhall	52	45	45	Tr	Tr	6.3
Cranwell	57	43	43	Tr	-	7.9
Birmingham	59	45	42	Tr	-	8.6
Upper Heyford	57	44	44	Tr	-	*
Ross-on-Wye	61	45	36	0.1	-	4.2
Hartland Point	53	48	46	0.1	-	2.8
Bristol	57	39	29	0.6	-	0.4
Portland Bill	52	45	*	1	-	*
Plymouth	54	41	36	Tr	-	0.0
The Lizard	51	47	*	Tr	-	0.0
Scilly (St. Mary's)	53	47	*	0.2	-	3.5
Guernsey						
Pembroke	55	40	*	-	-	5.3
Holyhead (Valley)	57	41	34	-	-	*
Chester (Sealand)	60	38	38	-	-	10.5
Manchester	61	38	31	-	-	*
Spurn Head	49	43	*	-	-	5.6
Catterick	53	42	43	-	Tr	8.1
Tynemouth	46	43	42	-	-	*
St. Abbs Head	45	39	*	-	-	*
Leuchars	48	33	29	-	-	8.4
Renfrew (Abbots I.)	57	34	26	-	-	9.8
Eskdalemuir	56	36	35	-	-	11.9
Point of Ayre	55	44	*	-	-	13.3
Tiree	53	38	*	-	-	13.4
Stornoway	49	36	*	-	-	9.9
Dalwhinnie	60	27	17	-	-	13.1
Aberdeen †	48	30	26	-	-	3.7
Wick	47	33	30	-	-	*
Sumburgh	49	43	37	-	-	11.5
Blacksod Point	54	40	*	-	-	*
Malin Head	49	38		-	-	11.7
Aldergrove	57	34	27	-	-	13.3
Birr Castle	61	31	25	-	-	9.3
Valentia Obsy.	58	40	35	-	Tr	12.5
Roches Point	54	44	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 13th May $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 14th May $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	50	01863	08124	50	01863	07213	5-	01863	18103	5-	02756	16216
115	54	01954	08424	54	01954	08414	54	01954	28214	54	01854	20214
203										10	00852	08202
206	70	00861	08311	00	00890	06400	00	00890	00000	00	00890	24100
210	5-	02866	07326	50	00961	04412	00	00890	00000	50	00861	20201
220	10	01953	23303	00	00990	27300				10	01952	12102
230	00	01990	24314	00	00990	24311	00	00890	00000	00	00890	00000
245	50	02963	05615	50	01863	06515	00	00790	26110	00	00890	25100
260	70	01863	03424	10	01862	06413	50	05653	04214	5-	05538	03128
278	00	01890	24104	00	02890	20225	04	00790	14112	00	00690	16100
279	03	01890	03513	00	01890	04314	00	00890	04412	5-	05635	05427
285	10	00852	04402									
288	5-	05657	02427	5-	05648	01428	5-	51428	31228	5-	05538	02228
575	10	00851	00001	13	00863	00003	00	00970	32100	00	00790	00000
301	50	00761	07301	50	05661	30301	50	05553	08303	00	08490	12311
321	54	00863	35423	5-	02758	02428				5-	05648	32228
299	5-	02658	01528	5-	52548	30458	5-	05648	30328	5-	08438	32228
292	13	00841	01401	5-	02768	29418	5-	08438	30328	5-	05648	01128
310	--	01643	04513							--	46109	04249
614	10	05654	04314	26	05664	06315	5-	05535	02225	5-	05538	02228

III	13h. G.M.T. 13th May $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 14th May $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	1-	17651	32311	03	00790	26301	03	01690	00016	00	00790	31110
334										--	04490	04102
340	10	00761	09301	10	00761	08301	5-	05545	12315	5-	05648	11228
136	52	05626	32428	5-	57209	02459	5-	05528	32358	--	57109	32349
336	57	02755	04327	70	01764	08314				--	46309	08349
350	8-	05657	02427	4-	05648	02428	5-	05528	31258	5-	05538	31228
368	52	22535	05368	03	05690	22221	00	47290	00040	5-	05547	09147
379	5-	02747	04567	70	01743	04313	5-	08428	04328	5-	05626	02456
390	8-	05648	06128	5-	05638	30318	5-	43328	02458	5-	05538	30328
382	5-	22638	04368	54	01753	06314	5-	05538	32228	5-	05538	01328
438										50	03548	30328
430	5-	08438	30368	53	05653	32226	5-	05568	02328	5-	05646	30128
409	5-	02748	05328	53	05644	32325	54	05553	00013	5-	05653	09118

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 14th May
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	6fCMo	CMoZo	bbcmoCMo
Croydon	CfofOm	OmCZo	CmoidoCMo
Greenwich			
Camden Square			*
Kensington			*
Hampstead			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 7-21h 12th.
Min. <0·1 Time 0-5h 13th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	57	47	46	2	-	2.8	*	*
Croydon	57	47	46	1	Tr	0.2	*	*
Greenwich								
Westminster								
Regents Park								
Camden Square						*	*	
Kensington								
Hampstead							*	

SECRET

Page 1

BRITISH SECTION

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

Friday 15th May 1942

No. 29394

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

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)	15·6	+8	NNE	3	c	56	65	43	7	8	–	–	9	9	2500
	Croydon ...	15·1	+6	NNE	3	c	56	65	46	6	2	–	–	7-8	7-8	2200
	S. Farnborough	15·4	+4	NNW	2	c	58	65	45	7	2	–	–	9+	9+	2500
	Boscombe Down	15·9	+2	E'S	1	c	58	65	46	7	8	–	–	9	9	2500
	Thorney Island	15·5	+6	W'S	2	c	59	65	47	7	7	–	–	9	9	2000
	Lympne ...	15·4	+12	N	3	z_0	53	75	46	6	5	–	–	10	10	1500
	Manston ...	14·9	+10	NW'N	3	z_0	53	75	46	6	5	–	–	7-8	9+	1200
2	Shoeburyness ...	15·6	+14	N'W	3	c	55	75	45	8	5	–	–	10	10	1800
	Felixstowe ...	14·4	+10	E'N	3	c	52	75	45	7	5	–	–	10	10	2500
	Gorleston ...	16·4	+20	NE'N	4	c	50	75	41	7	5	–	–	7-8	7-8	2500
	Mildenhall ...	15·4	+2	N	4	c	57	65	46	8	5	–	–	9+	9+	1200
	Cranwell ...	16·6	+6	NE	3	z_0	54	75	46	6	8	–	–	7-8	7-8	2000
3	Birmingham ...	15·5	+2	E	2	z_0	59	55	43	6	8	–	–	9+	9+	2500
	Upper Heyford	15·3	-2	NE	3	z_0	60	65	47	6	5	–	–	7-8	7-8	1800
4	Ross-on-Wye	15·6	0	E	2	c	60	55	46	7	8	–	–	7-8	7-8	3500
5	Hartland Point	15·5	+6	W	2	c	54	85	50	6	5	–	–	7-8	7-8	1500
	Bristol ...	16·4	+6	–	0	z_0	59	65	47	6	8	–	–	9	9	2500
	Portland Bill ...	16·2	-6	W	2	bc	58	85	54	8	2	–	–	4-6	4-6	4000
	Plymouth ...	15·9	+2	S	3	bc	57	75	49	7	2	–	–	4-6	4-6	2000
	The Lizard ...	15·5	+4	–	0	c	52	85	48	6	8	2	–	9	10	1000
	Scilly (St. Mary's)	15·3	+2	SSW	2	c	52	85	48	6	5	2	–	7-8	10	1000
	Guernsey ...															
6	Pembroke ...	15·5	0	S'E	2	c	53	92	51	7	2	1	–	4-6	7-8	3000
7	Holyhead (Valley)	14·7	+2	WSW	3	z_0	56	65	45	6	–	–	–	0	0	–
	Chester (Sealand)	15·2	-4	SE	3	bc	63	55	46	6	1	–	–	2-3	2-3	3000
8	Manchester ...	15·5	-2	ESE	2	c	63	55	45	6	1	–	–	7-8	7-8	4000
10	Spurn Head ...	17·5	+10	NNE	3	z_0	46	85	43	6	5	–	–	10	10	600
	Catterick ...	17·2	-4	NE	1	b	58	65	46	4	–	–	–	0	0	–
	Tynemouth ...	18·5	+6	ESE	3	c	48	85	44	7	5	–	–	9	9	800
11	St. Abbs Head	16·4	0	SE	2	b	48	75	41	8	5	–	–	Tr	Tr	2500
	Leuchars ...	16·9	+4	ESE	3	b	51	65	41	8	–	–	–	0	0	–
12	Renfrew (Abbotsi.)	14·9	-8	WNW	2	z_0	63	45	40	6	1	–	–	1	1	5000
	Eskdalemuir ...	15·1	-2	–	0	c	59	55	41	8	2	–	–	7-8	7-8	2800
	Point of Ayre ...	15·5	+2	SE	3	b	56	85	51	7	–	–	–	0	0	–
13A	Tiree ...	15·8	0	SSE	1	b	54	45	33	8	1	–	–	Tr	Tr	3500
13B	Stornoway ...	17·1	0	NNE	4	bc	51	85	46	9	2	4	1	1	2-3	3500
15	Dalwhinnie ...	16·2	+4	S	2	bc	63	35	32	8	1	–	–	2-3	2-3	4000
	Aberdeen ...	17·3	+6	SE'S	3	z_0	50	65	39	6	1	–	–	Tr	Tr	2500
	Wick ...	16·9	+2	SE	2	bc	48	75	41	9	1	2	–	2-3	2-3	4500
16	Sumburgh ...	16·7	+14	NW	4	c	48	92	46	8	7	–	–	9+	9+	2500
17	Blacksod Point	12·4	-4	SE	2	b	61	55	45	8	–	–	5	0	1	–
18	Malin Head ...	14·1	-2	E'S	4	bc	50	75	42	8	1	4	–	2-3	2-3	4000
	Aldergrove ...	14·7	-2	SE	3	z_0	60	55	44	6	1	3	–	Tr	2-3	4000
19	Birr Castle ...	12·4	-10	SE	3	bc	66	45	45	7	1	–	–	2-3	2-3	2500
20	Valentia Obsy.	11·6	-10	SE'S	4	c	57	65	45	8	1	–	3	1	9+	4000
	Roches Point	14·5	0	SE	3	bc/f	52	92	50	7	1	–	5	1	4-6	4000

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

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)	16·0	+2	WNW	1	z_0	58	65	45	6	8	3	–	4-6	7-8	4000	1	*
	Croydon ...	15·8	+2	N	1	z_0	57	65	47	6	1	–	–	Tr	Tr	2500	0	*
	S. Farnborough	15·8	+4	ENE	3	bc	56	65	45	7	4	–	–	2-3	2-3	3500	1	*
	Boscombe Down	15·8	-2	–	0	c	59	65	46	7	5	–	–	9+	9+	5700	1	*
	Thorney Island	15·5	+2	W	2	z_0	57	75	49	6	5	–	–	9+	9+	6000	1	*
	Lympne ...	16·5	+8	NNW	2	c	51	85	47	7	5	–	–	10	10	2500	1	2
	Manston ...	16·3	+10	NNE	1	z_0	48	85	44	6	5	–	–	4-6	10	1500	1	*
2	Shoeburyness ...	16·5	+10	NE	3	c	50	85	46	8	5	–	–	10	10	3500	1	*
	Felixstowe ...	17·6	+8	NNE	4	bc	51	75	43	7	5	3	–	1	9+	4000	0	2
	Gorleston ...	16·3	+10	E'N	3	bc	58	55	43	8	7	3	–	1	4-6	–	0	2
	Mildenhall ...	16·3	+10	E'N	3	bc	58	55	43	8	7	3	–	1	4-6	4000	0	*
	Cranwell ...	17·1	+6	E'S	3	b	55	65	45	7	–	–	–	0	0	–	0	*
3	Birmingham ...	15·8	+2	SE	2	b	60	55	44	8	1	–	–	1	1	4000	1	*
	Upper Heyford	15·8	+2	ENE	2	c	57	65	43	7	5	–	–	9	9	3500	0	*
4	Ross-on-Wye	15·6	0	E'N	2	c	60	65	47	8	5	–	–	9	9	4000	0	*
5	Hartland Point	15·4	0	–	0	c	53	75	46	6	5	–	–	9+	9+	2500	1	2
	Bristol ...	16·3	+2	SE	1	z_0	58	65	46	6	5	–	–	7-8	7-8	5700	1	*
	Portland Bill ...	16·9	+4	SW	1	bc	51	92	49	8	5	–	–	4-6	4-6	4000	1	2
	Plymouth ...	16·4	0	S	2	z_0	53	92	49	6	5	–	–	2-3	2-3	2500	0	2
	The Lizard ...	15·9	0	S	2	0	51	92	49	6	5	–	–	10	10	1200	0	3
	Scilly (St. Mary's)	15·0	-2	S'E	3	c	52	85	48	6	5	2	–	7-8	10	1000	1	2
	Guernsey ...																	
6	Pembroke ...	15·5	0	S'E	2	bc	51	92	49	7	–	3	–	0	4-6	–	0	2
7	Holyhead (Valley)	14·7	0	SW	2	b	54	65	44	7	–	3	–	0	1	–	0	2
	Chester (Sealand)	14·9	-4	SE'S	3	bc	63	55	45	6	2	–	–	7-8	7-8	3500	0	*
8	Manchester ...	15·5	+2	SE'E	2	bc	60	55	45	7	4	6	–	2-3	4-6	4000	0	*
10	Spurn Head ...	18·1	+6	NE'E	3	oF+	43	97	41	1	5	–	–	10	10	800	0	3
	Catterick ...	16·8	+2	ENE	2	bf+	57	65	45	3	2	–	–	1	1	2500	0	*
	Tynemouth ...	18·4	0	SE	3	c	44	92	43	7	5	–	–	7-8	7-8	1200	0	3
11	St. Abbs Head	16·7	+8	ESE	4	c	43	92	41	7	5	6	–	4-6	7-8	3500	0	2
	Leuchars ...	16·3	0	E	2	bc/f	48	85	44	7	5	4	–	1	2-3	1000	0	*
12	Renfrew (Abbotsi.)	14·4	-2	SSW	3	bc	64	35	39	8	2	–	–	4-6	4-6	4500	0	*
	Eskdalemuir ...	14·0	-2	SW'S	1	bc	62	45	41	8	8	–	–	4-6	4-6	2800	0	*
	Point of Ayre ...	14·9	-2	SE'S	2	b	54	92	47	7	2	–	–	Tr	Tr	4000	0	1
13A	Tiree ...	14·3	-10	E	1	b	52	75	46	8	–	–	–	0	0	–	0	2
13B	Stornoway ...	16·2	-4	NNE	5	b	48	85	46	9	1	–	–	Tr	Tr	3500	0	2
15	Dalwhinnie ...	15·2	+2	SW	2	bc	63	25	33	7	4	–	–	2-3	2-3	4000	0	*
	Aberdeen ...	17·3	+2	S'E	3	z_0	46	85	40	6	5	–	–	2-3	2-3	2400	0	
	Wick ...	17·3	+4	E'S	1	z_0	47	85	41	8	2	2	1	1	2-3	4500	0	*
16	Sumburgh ...	18·1	+10	NNE	2	c	45	75	37	9	7	–	–	9	9	3500	0	
17	Blacksod Point	10·4	-10	–	0	0	56	65	45	8	5	–	6	4-6	9	4000	0	1
18	Malin Head ...	11·8	-18	SE'S	4	bc	61	55	45	8	–	4	–	0	2-3	–	0	2
	Aldergrove ...	13·8	-6	ESE	4	z_0	59	55	42	6	5	–	–	2-3	2-3	8000	0	*
19	Birr Castle ...	11·6	-2	S	2	c	60	65	49	7	2	–	5	4-6	9	1500		*
20	Valentia Obsy.	09·4	-18	SE'S	6	ir	53	85	40	7	5	2	–	4-6	10	4000	1	4
	Roches Point	13·1	-10	S'E	4	c	52	85	48	8	5	–	–	9+	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 14th (39)	13h.—18h. 14th (40)	18h. 14th to 1h. 15th (41)	1h.—7h. 15th (42)
1	London (Kew)	cm_0cz_0	$cbcz_0$	bcz_3w	$cbccmw$
	Croydon ...	cz_0	cz_0	$cmbm_3$	bm_3wbc
	S. Farnborough	cm_0z_0c	$cbcb$	bm_3cbmw	$bmwcbc$
	Boscombe Down	cm_0c	c	cm_0	c
	Thorney Island	cm_0c	ccm_0	cm_0	$cmffcm_3$
	Lympne ...	bcm_3cm_0	bcz_0cz_0	$ccbcm_3$	cm_3bmcf
	Manston ...	cm_0z_0	cz_0m_0	cm_0	$cbcm_0$
2	Shoeburyness ...	cm_0c	c	c	$cwbc$
	Felixstowe ...	bcc	c	ccm_3bm_3	bm_3cm_3c
	Gorleston ...	c	bc	bbm_3w	$bwcbd$
	Mildenhall ...	cm_0c	$cbcbcy$	$bcybb$	$bfwbm_3$
	Cranwell ...	$cbcm_0$	b	bbm_3wfc	$ffiy$
3	Birmingham ...	$abccz$	cb	b	bbc
	Upper Heyford	cm_0bcm_0	c	cz_3bbcm_3	bm_3bcm_3
4	Ross-on-Wye	bc	cyc	c	c
5	Hartland Point	c	$cbcc$	c	c
	Bristol ...	cm_0	cz_0bcz_0	bcz_3cm_3	cm_3
	Portland Bill ...	cbc	bc	bbc	oc
	Plymouth ...	cm_0	bcm_3	bcm_3cm	$cmcm_3$
	The Lizard ...	oc	co	$oprbc$	$copc$
	Scilly (St. Mary's)	c	c	c	$RRFF$
	Guernsey ...				
6	Pembroke ...	cm_0	bcm_0	c	cif_3
7	Holyhead (Valley)	bz_0	bz_0	$bbcm_3$	cw
	Chester (Sealand)	bz_0	bz_0ybc	$bcy\frac{1}{3}m_3$	bc
8	Manchester ...	bcz_0y	cz_0bcy	bm_3	bcm_3
10	Spurn Head ...	om_0	oF	bF	Fbc
	Catterick ...	cm_0cz_0	$bfbz_0bf$	bfc	$oFofc$
	Tynemouth ...	oc	c	$cffbc$	bcm_0
11	St. Abbs Head	cb	$bcbbcc$	$cbcb$	cm_3bm_3
	Leuchars ...	b	$bbif$	$bifcm_3$	bz_3
12	Renfrew (Abbotsi.)	$cbcbz_0y$	bz_0bcy	$cbcbm$	$bmcm_3$
	Eskdalemuir ...	$cbcy$	bcy	c	c
	Point of Ayre ...	b	b	$bbcz_3$	$bccz_3$
13A	Tiree ...	by	b	co	o
13B	Stornoway ...	bc	bc	b	pgc
15	Dalwhinnie ...	by	$bbcby$	*	bcz_3
	Aberdeen ...	bz_0	bz_0	co	
	Wick ...	b	b	$bccbc$	cz_3
16	Sumburgh ...	cm_0m_0bcc	$cbcc$	$cbcc$	cz_3
17	Blacksod Point	bc	c	r	c
18	Malin Head ...	b	bc	bc	c
	Aldergrove ...	bm_0bz_0	bz_0	bc	ccm_3
19	Birr Castle ...	bc	bc	*	r
20	Valentia Obsy.	bc	r	r	bc
	Roches Point	f	bc	r	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 15th May

Districts.	Forecasts
1 S.E. England 2 E. England ...	Freshening southeast winds. Fine to-day; more cloud to-morrow probably with some light rain. Warmer than of late.
3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate east to southeast wind freshening. Mainly fine to-day, becoming dull to-night. Local coast fog; warmer inland by day.
	As No. 1.
7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate to fresh southerly winds. Mainly cloudy; some occasional rain or drizzle spreading from the West. Some coastal or hill fog especially at first: becoming rather close.
	As No. 1.
10 N.E. England 11 S.E. Scotland	Light to moderate east to southeast wind; mainly cloudy or dull. Some coast fog; rather cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Fresh to strong southeast to south winds. Cloudy; some occasional rain, local hill fog at times: becoming rather close.
14 Mid Scotland 15 N.E. Scotland	As 10-11.
16 Orkneys and Shetlands	As 10-11.
17 N.W. Ireland	As 20.
18 N.E. Ireland 19 S.E. Ireland	Moderate to fresh southerly winds. Overcast; occasional rain; fairer periods tomorrow. Rather close.
20 S.W. Ireland	Light to moderate southerly winds. Fair periods; occasional showers: mild and rather close.

GENERAL INFERENCE

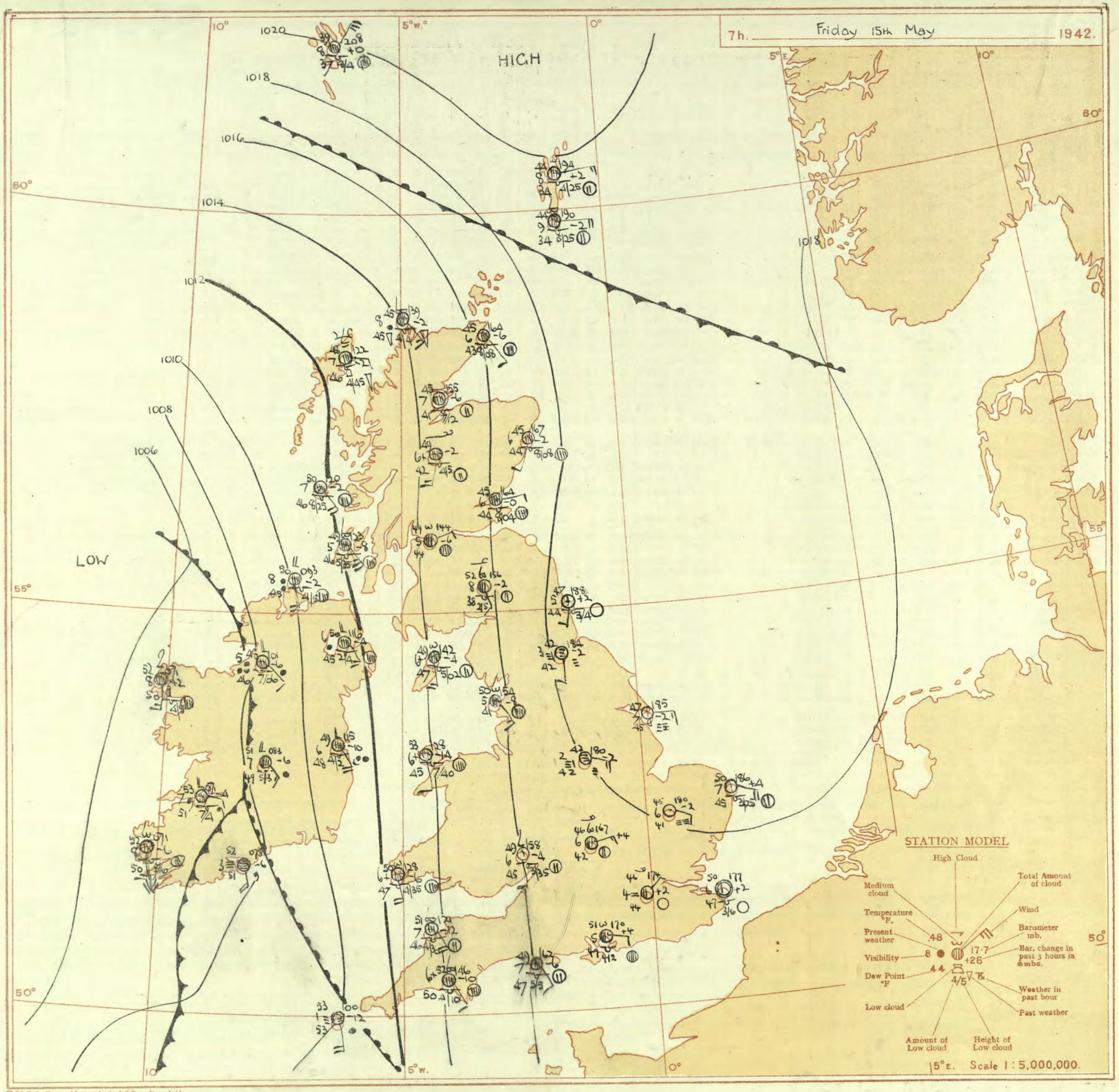
Pressure remains persistently high in the Icelandic area. A depression well to the westward of Ireland is moving slowly north and an associated trough over Southwest Ireland and the Bay of Biscay will move slowly northeast. Some occasional rain will spread slowly in from the West and Southwest but weather will be fair to-day over much of England and Scotland. There will be some coastal fog.

FURTHER OUTLOOK

Rather unsettled but mainly warmer than of late except in East and Northeast counties.

Forecasts issued at 1030 G.M.T.

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



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).

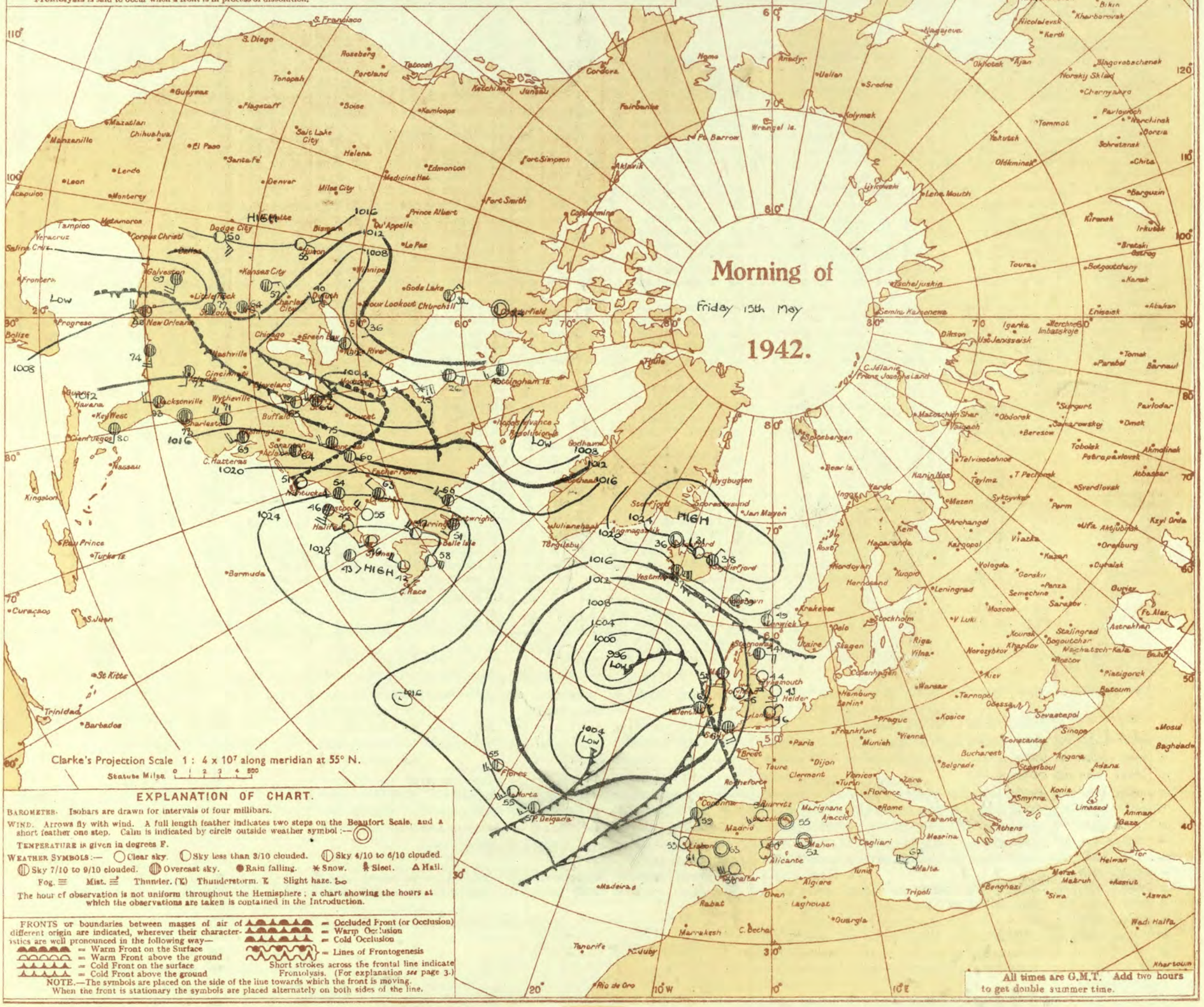
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Friday 15th May 1942

No. 23324

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

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	17.9	+6	E	1	3	46	82	44	6	5	-	-	Tr	Tr	3000
	S. Farnborough	226	17.2	+2	E'N	1	3	44	82	42	4	-	-	-	0	0	-
	Boscombe Down	417	17.2	0	SE'E	1	3	50	82	48	6	5	-	-	10	10	4500
	Thorney Island	10	17.0	0	-	0	3	48	82	47	5	5	-	-	9	9	4000
	Lympne ..	283	18.7	+2	-	0	3	48	87	45	5	5	-	-	9	9	2000
	Manston ...	154	17.7	0	NE'N	1	3	47	82	45	6	5	-	-	10	10	1800
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18.2	+2	NE'E	2	2	43	82	41	6	-	-	-	0	0	-
	Gorleston ...	5	18.4	0	ENE	2	6	47	85	44	6	-	-	-	0	0	-
	Mildenhall ...	15	18.2	-2	ENE	1	3	43	82	40	6	-	-	-	0	0	-
	Cranwell ...	203	18.4	-2	SE	3	3	40	87	40	1	-	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.8	+2	E'N	2	2	47	85	41	6	5	-	-	7-8	7-8	4800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.7	-8	SE	2	c	49	82	47	6	5	-	-	9	9	2500
	Bristol ...	209	16.8	0	SE	1	2	46	82	44	6	5	1	7	1	10	5700
	Portland Bill ...	32	17.4	+2	SW	1	bc	48	82	47	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	16.2	-6	SE	2	3	49	87	48	4	-	7	-	0	0	-
	The Lizard ...	240	15.0	-10	SE'S	4	bc/pr	50	87	49	7	8	-	-	4-6	4-6	1000
	Scilly (St.Mary's)	163	16.0	-8	SSE	4	c	52	87	51	5	5	-	-	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	15.5	0	SSE	4	c	50	87	49	7	8	1	-	7-8	9	4000
7	Holyhead (Valley)	32	14.5	-6	E'N	2	2	45	82	43	6	-	-	8	0	2-3	-
	Chester (Sealand)	16	16.5	0	SSE	1	b	47	85	43	5	-	-	-	0	0	-
8	Manchester ...	235	17.0	0	SE	1	bc	43	82	40	7	-	-	1	0	4-6	-
10	Spurn Head ...	29	18.6	0	S'E	2	bF+	43	87	41	1	-	-	-	0	0	-
	Catterick ...	175	18.8	+2	SE	2	bF	42	87	42	3	-	-	-	0	0	-
	Tynemouth ...	108	18.9	-2	S	3	2	44	87	43	5	5	-	-	2-3	2-3	1500
11	St. Abbs Head	280	16.1	+10	S	3	b	46	75	39	6	5	-	-	Tr	Tr	2500
	Leuchars ...	36	16.5	-2	-	0	2	45	85	41	6	5	-	-	10	10	600
12	Renfrew (Abbots L.)	19	15.8	+2	ENE	2	3	47	85	43	4	-	3	-	0	2-3	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	15.3	+2	S	3	2	48	87	48	6	*	7	*	0	2-3	-
13A	Tiree	22	12.6	-10	SE'S	4	0	51	75	43	7	5	-	-	10	10	2500
13B	Stornoway ...	80	14.1	-2	ESE	3	b	47	85	43	7	1	-	-	Tr	Tr	3000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17.1	-8	SSE	3	0	43	82	42	6	5	-	-	10	10	500
	Wick ...	114	17.3	-6	ESE	4	c	44	85	40	8	5	-	-	7-8	7-8	1400
16	Sumburgh ..	19	18.4	+4	NE	2	c	48	75	36	9	5	-	-	9	9	2500
17	Blacksod Point	18	07.3	-14	S	4	rr	51	85	47	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	11.1	-6	S	4	c	52	75	45	7	5	-	-	7-8	7-8	2500
	Aldergrove ...	268	13.4	-2	SE	3	bc	48	75	42	7	5	-	8	2-3	4-6	7000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	07.7	+2	NNW	3	c/r	52	87	51	7	6	2	-	7-8	10	1500
	Roches Point	22	08.8	-18	SE	6	rr	52	87	51	6	6	2	-	7-8	10	800

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

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)	17.0	+4	ESE	2	3	47	82	45	4	5	-	-	10	10	2500	1	*
	Croydon ...	27.4	+2	NE	1	3	46	82	44	4	-	4	2	0	2-3	-	1	*
	S. Farnborough	17.1	+2	ESE	2	2	47	87	45	5	5	-	-	10	10	400	1	*
	Boscombe Down	16.7	-2	SE	2	2	48	82	46	6	-	3	-	0	9	-	1	*
	Thorney Island	17.0	+4	E'S	2	2	51	82	49	5	5	3	-	4-6	9+	450	1	*
	Lympne ..	18.3	0	-	0	3	48	87	48	4	5	-	-	10	10	200	1	§1
	Manston ...	17.7	+2	-	0	2	50	85	47	6	5	-	-	2-3	2-3	4000	1	*
2	Shoeburyness...	17.8	0	NE'E	1	bc	50	85	46	8	5	-	-	4-6	4-6	2500	1	*
	Felixstowe ...	18.0	0	ENE	2	b	50	85	45	7	-	-	-	0	0	-	0	2
	Gorleston ...	18.6	+4	ESE	2	bc	50	85	45	7	5	-	-	2-3	2-3	2500	0	2
	Mildenhall ...	18.0	-2	ESE	1	bF	45	85	42	6	-	-	-	0	0	-	0	*
	Cranwell ...	18.0	-2	ESE	3	f-	42	87	42	2	-	-	-	10	10	<150	0	*
3	Birmingham ...	16.3	-4	SE	2	2	47	85	43	6	-	5	-	0	0	-	1	*
	Upper Heyford	16.7	+4	E'N	3	2	46	85	42	6	-	3	2	0	9+	-	0	*
4	Ross-on-Wye	15.8	-4	SSE	2	2	49	85	45	6	5	4	9	2-3	2-3	3500	0	*
5	Hartland Point	12.1	-12	SE	4	c	51	85	46	7	5	7	-	4-6	7-8	3000	1	3
	Bristol ...	16.8	+2	S	1	2	49	82	46	6	-	5	-	0	2-3	-	1	*
	Portland Bill ...	16.2	-6	SE	2	c	49	82	47	7	5	-	-	7-8	7-8	2500	1	3
	Plymouth ...	14.6	-10	SE	2	2	52	82	50	6	5	7	-	4-6	10	1000	0	3
	The Lizard ...	12.0	-14	ESE	4	c/pr	51	87	51	7	8	2	-	9	10	1000	1	4
	Scilly (St.Mary's)	10.0	-12	S'E	4	cF	53	87	53	1	-	-	-	10	10	<150	1	3
	Guernsey ...																	
6	Pembroke ...	12.4	-8	SE'E	6	2	49	82	47	7	4	3	-	7-8	9+	3000	1	2
7	Holyhead (Valley)	12.8	-14	S'E	2	2	53	75	45	6	5	-	-	9+	9+	4000	1	2
	Chester (Sealand)	15.5	-6	SE	3	c	49	85	43	6	-	3	-	0	7-8	-	0	*
8	Manchester ...	16.1	-6	SE	2	bc	52	65	40	7	5	5	9	1	4-6	4000	0	*
10	Spurn Head ...	18.5	-2	E'S	3	bcF	47	87	43	7	1	-	-	0	2-3	-	1	2
	Catterick ...	18.4	-2	S	2	f-	42	87	42	3	-	-	-	10	10	<150	0	*
	Tynemouth ...	18.8	+2	SSW	2	2	47	85	44	5	5	-	-	2-3	2-3	1500	0	3
11	St. Abbs Head	16.7	+6	SE	2	2	50	75	43	5	5	4	-	2-3	2-3	2500	0	2
	Leuchars ...	16.4	0	ENE	1	2	45	82	44	6	5	-	-	10	10	400	0	*
12	Renfrew (Abbots L.)	14.4	-6	ENE	2	3	49	85	44	5	-	3	-	0	7-8	-	0	*
	Eskdalemuir ...	15.6	-2	SSE	2	c	52	65	38	8	5	7	8	1	7-8	2200	0	*
	Point of Ayre...	14.2	-4	S'E	3	2	49	82	47	6	5	3	-	7-8	9+	200	0	3
13A	Tiree	12.0	-2	SE'E	4	0	50	85	46	7	5	-	-	10	10	2500	0	4
13B	Stornoway ...	12.2	-2	E	2	c	48	82	46	7	7	3	7	4-6	10	4000	0	2
15	Dalwhinnie ...	14.5	-2	SSW	3	2	49	75	42	6	5	-	2	4-6	9	2500	0	*
	Aberdeen † ...	16.7	-2	SSW	2	0	45	87	44	6	5	-	-	10	10	800	0	
	Wick ...	16.4	-6	SE	2	2	45	82	43	6	5	-	-	10	10	800	0	*
16	Sumburgh ..	18.0	-2	E'S	4	c	44	85	34	9	5	7	-	7-8	9+	2500	0	3
17	Blacksod Point	07.1	+2	S	3	c	52	82	50	8	8	-	6	4-6	7-8	2500	1	2
18	Malin Head ...	09.3	-2	SSE	4	r	50	85	46	8	5	2	-	4-6	10	2500	0	3
	Aldergrove ...	11.6	-4	SE	3	r	50	85	45	6	5	2	-	1	10	1500	0	*
19	Birr Castle ...	08.3	-6	SE	3	c	51	82	50	7	6	2	-	7-8	10	800	1	4
20	Valentia Obsy.	07.1	-6	S	3	c	52	87	51	8	5	5	-	7-8	9+	4000	1	1
	Roches Point	07.8	-6	S'E	4	f	52	87	51	3	-	-	-	10	10	<150	1	*

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 14th Hrs. (38)
1	London (Kew)	58	44	31	-	Tr	5.2
	Croydon ...	59	40	35	-	-	4.4
	S. Farnborough	62	42	30	-	-	2.7
	Boscombe Down	59	44	37	-	Tr	0.9
	Thorney Island	60	47	41	-	Tr	*
	Lympne ..	56	42	35	-	-	2.8
	Manston ...	54	45	43	-	-	1.0
2	Shoeburyness...	58	40		-	-	
	Felixstowe ...	56	42	38	-	-	2.7
	Gorleston ...	52	41	40	-	-	0.6
	Mildenhall ...	61	38	27	-	Tr	7.4
	Cranwell ...	59	38	37	-	Tr	8.2
3	Birmingham ...	63	43	37	-	-	6.4
	Upper Heyford	61	42	40	-	-	*
4	Ross-on-Wye	60	45	37	-	-	5.0
5	Hartland Point	55	47	46	-	-	2.9
	Bristol ...	61	43	35	-	-	2.4
	Portland Bill ...	58	47	*	-	-	*
	Plymouth ...	58	48	43	-	-	6.1
	The Lizard ...	52	49	*	-	0.5	0.0
	Scilly (St.Mary's)	54	50	*	-	8	0.1
	Guernsey ...						
6	Pembroke ...	55	44	*	-	Tr	6.3
7	Holyhead (Valley)	58	44	35	-	-	*
	Chester (Sealand)	65	44	42	-	-	10.6
8	Manchester ...	64	41	31	-	-	*
10	Spurn Head ...	47	40	*	-	Tr	0.0
	Catterick ...	63	41	40	-	-	7.7
	Tynemouth ...	48	41	39	-	-	*
11	St. Abbs Head	50	40	*	-	-	*
	Leuchars ...	52	44	44	-	-	13.9
12	Renfrew (Abbots L.)	67	46	39	-	-	10.2
	Eskdalemuir ...	65	39	35	-	-	9.2
	Point of Ayre...	57	45	*	-	-	12.4
13A	Tiree	58	50	*	-	-	14.2
13B	Stornoway ...	52	45	*	-	Tr	14.4
15	Dalwhinnie ...	65	38	28	-	-	12.9
	Aberdeen † ...	51	42	41	-	-	12.9
	Wick ...	49	42	42	-	-	*
16	Sumburgh ..	50	41	35	Tr	-	3.3
17	Blacksod Point	55	50	*	-	2	*
18	Malin Head ...	61	50		-	0.3	
	Aldergrove ...	61	46	44	-	Tr	12.7
19	Birr Castle ...	66	48	45	-	3	10.2
20	Valentia Obsy.	60	49	41	0.1	8	
	Roches Point	55	51	*	Tr	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 14th May ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	02856	02127	5-	02957	06327
115				54	01854	41425
203				10	00952	08302
206	00	00990	08400	13	00961	06403
210	10	00961	04301	10	00961	04401
220	10	01061	13201	00	00890	10200
230	10	00861	24101	00	05790	20300
245	00	00890	12300	5-	02837	13317
260	00	05690	05120	40	05662	05112
278	10	00761	14201	00	05690	13300
279	20	00762	26202	20	00672	22302
285	10	05653	12413			
288	00	08490	02320	10	05563	04313
575	10	00761	14201	00	05790	08204
301	50	05565	28205	5-	25667	12187
321	10	05654	08124	00	00690	10310
299	5-	05648	32328	00	00790	01300
292	10	00752	08112	10	00861	12211
310	--	05626	03216			
614	10	05662	06322	10	05663	08213

01h. G.M.T. 15th May ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5	5-	02855	11307	5-	02848	11428
	57	01854	41425	57	81844	12387
	5-	02846	08416	51	02844	00027
	5-	01844	06214	5-	02747	00018
	00	05690	00000	53	05674	12125
				52	03656	14528
	00	05890	22103	57	05645	10225
	5-	05638	00028	5-	05528	06128
	53	05663	05114	00	08490	05112
	07	05690	14204	03	05690	12427
	00	05690	00010	57	02874	14417
				13	10751	12414
	00	45890	00040	00	43390	22140
	57	05664	12228	62	64537	12268
	50	05561	10321	05	05590	12326
	00	05590	18100	00	45290	10140
	00	00790	00000	00	47190	14240
	00	48109	14140	00	43390	00040
				--	01642	08312
	00	08490	00000	00	05590	08114

13h. G.M.T. 14th May ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00690	18200	40	00761	20301
334				--	01672	24203
340	5-	17654	15204	53	00752	12313
136	5-	02735	32455	53	01833	04314
336	10	01754	12414	10	01754	12414
350	8-	05654	31324	8-	01764	03324
368	20	00752	09212	00	00790	10200
379	8-	02766	08126	20	00753	06213
390	5-	05637	32327	5-	02655	08227
882	8-	05656	03126	50	01863	07313
438	52	02665	24322			
430	5-	02756	00026	8-	05654	22226
409	83	05645	18325	40	02753	18225

01h. G.M.T. 15th May ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	01590	14114	53	02767	10417
334				--	02554	02216
340	00	05690	12300	03	05590	12415
136	00	41490	06141	00	05690	07240
336				53	01762	12414
350	00	08490	06200	57	05542	10114
368	00	08490	10113	53	05535	12326
379	50	05554	12214	5-	05528	12328
390	00	41490	06240	5-	43108	12148
882	00	05590	00000			
438	03	05590	32113	56	41443	00047
430	00	01690	16424	57	05644	14428

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 May
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	c10c2o	cbc2o	bcc2w	
Croydon ...	c2o	c2o	cmbm0	
Greenwich ...	c	c	cbc,fm0	
Camden Square	c	c	*	
Kensington ...	bcc	c	*	
Hampstead ...	bc	bc	bcm	

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 7h % Yesterday	Humidity 9h % To-day
Kew	58	44	31	-	Tr	5.2	*	*
Croydon ...	59	40	35	-	-	4.4	*	*
Greenwich ...	58	42	29	-	-	2.4	67	85
Westminster ...	60	47	45	-	-		81	91
Regents Park ...	59	44	40	-	-		67	79
Camden Square	59	45	40	-	-	*	*	81
Kensington ...	59	45	37	Tr	-		83	81
Hampstead ...	56	42	40	-	-		*	--

SECRET

Page 1 BRITISH SECTION

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

Saturday 16th May 1942

No. 23395.

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

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)	16·2	-10	SSE	3	c	60	65	47	7	8	-	-	9+	9+	4000
	Croydon	16·4	-12	S	2	o	61	65	47	7	2	-	-	9	9	2600
	S. Farnborough	15·5	-14	SSE	3	bc	63	55	46	7	1	-	2	4-6	4-6	3000
	Boscombe Down	15·1	-10	SE'S	4	c	61	65	48	7	1	3	6	4-6	9	2000
	Thorney Island	16·3	-6	SE	3	b	59	65	49	8	1	-	6	Tr	1	2500
	Lympne	18·3	-2	SE	2	z_0	57	75	49	6	2	-	1	Tr	2-3	2500
	Manston	12·6	-4	SSE	2	z_0	58	75	51	6	5	-	-	1	1	2500
2	Shoeburyness	16·5	-6	E'S	3	c	54	85	50	8	5	-	-	9+	9+	2300
	Felixstowe	18·0	-2	SE'E	2	b	56	75	49	7	1	-	1	Tr	1	4000
	Gorleston	18·8	-2	SE'S	3	b	51	75	45	7	-	4	-	0	1	-
	Mildenhall	16·8	-6	SSE	4	c	60	65	48	7	7	-	-	9+	9+	2500
	Cranwell	15·2	-18	SE'S	6	c	63	55	47	7	1	4	-	7-8	7-8	2500
3	Birmingham	13·8	-12	SSE	3	c	62	55	47	7	2	-	-	7-8	7-8	2500
	Upper Heyford	14·7	-6	S	3	z_0	61	55	45	6	2	-	6	7-8	7-8	2500
4	Ross-on-Wye	13·3	-12	SE	3	c	61	65	47	7	1	-	7	7-8	10	3500
5	Hartland Point	10·0	-12	SSE	4	ir	55	92	52	6	5	2	-	9	10	1500
	Bristol	14·2	-10	SSE	3	o	62 (struck)	55	47	7	5	1	-	9	10	2500
	Portland Bill	14·3	-16	SE	2	c	51	92	49	7	5	-	-	10	10	2500
	Plymouth	12·3	-10	SSE	3	z_0	54	92	52	5	5	2	-	9	10	500
	The Lizard	10·3	-8	SE	4	rf	53	97	53	2	5	-	-	10	10	400
	Scilly (St. Mary's)	07·9	-14	S'E	4	F+	54	97	54	1	-	-	-	10	10	<150
	Guernsey															
6	Pembroke	09·6	-16	SE'E	6	r_0r_0	51	97	51	6	5	2	-	10	10	2000
7	Holyhead (Valley)	10·2	-16	SSE	3	ir_0	56	75	48	6	5	3	-	7-8	9	2500
	Chester (Sealand)	12·1	-10	SE'S	4	c	62	55	46	6	5	1	-	4-6	9+	4000
8	Manchester	13·3	-18	SE	4	c	62	55	47	6	2	3	-	4-6	7-8	3000
10	Spurn Head	16·5	-12	SE'E	4	bc	51	85	47	7	-	-	2	0	2-3	-
	Catterick	14·4	-22	SSE	5	c	63	55	45	7	1	3	1	2-3	9	3000
	Tynemouth	16·1	-8	SE	4	bc	50	85	43	7	5	3	-	2-3	4-6	1500
11	St. Abbs Head	14·8	-4	SE	4	z_0	49	75	40	5	5	4	-	4-6	7-8	2500
	Leuchars	14·2	-12	SE	5	z_0	58	75	53	6	5	3	-	2-3	9+	4000
12	Renfrew (Abbots I.)	11·8	-10	SE	3	c	63	49	39	8	5	7	-	2-3	10	4000
	Eskdalemuir	11·9	-22	SE	4	c	61	35	35	8	5	7	8	2-3	9	2800
	Point of Ayre	11·4	-16	S'E	4	z_0	55	85	51	6	5	3	-	4-6	10	3000
13A	Tiree	10·4	-6	SE'S	4	r_0r_0	52	85	48	6	5	-	-	10	10	1800
13B	Stornoway	10·8	-10	NE	3	c	55	85	50	7	-	-	7	0	10	-
15	Dalwhinnie	12·5	-8	S	3	o	55	55	41	7	8	2	-	9	10	2500
	Aberdeen	15·8	-4	SE'S	5	z_0	55	55	42	6	-	9	-	0	7-8	-
	Wick	14·5	-16	ESE	2	z_0	50	92	47	6	-	7	-	0	4-6	-
16	Sumburgh	18·6	+2	E'S	6	c	44	75	37	8	5	7	-	9	10	2500
17	Blacksod Point	05·8	-8	ESE	2	c	62	65	50	9	8	-	6	7-8	10	4000
18	Malin Head	07·8	-8	SE'S	4	c	54	85	50	7	5	2	-	4-6	10	2500
	Aldergrove	10·1	-2	SE'S	4	r_0r_0	51	85	47	6	5	2	-	2-3	10	5700
19	Birr Castle	06·2	-10	SSE	2	c	54	85	50	7	6	2	-	7-8	10	800
20	Valentia Obsy.	03·8	-18	SW'S	3	c	59	75	51	9	2	6	3	7-8	7-8	2500
	Roches Point	05·2	+14	SSE	3	f	53	97	52	3	-	-	-	10	10	<150

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

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)
London (Kew)	13·9	-10	S'E	4	c	60	55	43	8	1	4	4	Tr	7-8	2500
Croydon	14·5	-8	SE	2	bc	60	55	46	8	4	4	5	1	4-6	2200
S. Farnborough	13·7	-8	S'E	3	c	59	55	45	7	-	7	8	0	9	-
Boscombe Down	13·2	-6	SE'S	4	c	55	75	48	7	5	7	-	9	10	3000
Thorney Island	14·0	-14	ESE	4	c	55	75	48	7	5	-	-	10	10	4000
Lympne	16·5	-10	ENE	1	b	55	75	46	7	-	-	1	0	1	-
Manston	15·9	-8	SE	2	z_0	55	85	49	6	-	-	2	0	2-3	-
Shoeburyness	15·6	-10	SE	3	c	57	85	51	7	5	-	2	Tr	10	2500
Felixstowe	15·8	-8	SE	3	bc	53	85	49	6	-	-	1	0	4-6	-
Gorleston	17·0	-10	SE'S	3	bc	51	85	45	7	-	-	1	0	2-3	-
Mildenhall	14·2	-16	SE	3	c	60	65	48	7	1	-	2	Tr	7-8	3500
Cranwell	12·9	-16	SE'S	5	c	60	65	48	7	-	7	-	0	9+	-
Birmingham	11·4	-14	SSE	3	c	60	55	44	8	5	7	-	9	10	2500
Upper Heyford	12·4	-6	S'E	3	z_0	60	55	45	6	-	9	-	0	10	-
Ross-on-Wye	11·2	-14	S'E	3	id	56	75	49	6	5	-	-	10	10	2000
Hartland Point	07·3	-12	S	4	rr	56	92	53	6	6	2	-	9	10	1000
Bristol	11·1	-22	S'E	5	z_0	56	75	48	6	5	2	-	9+	10	1500
Portland Bill	12·2	+2	SE	4	old	50	92	48	7	5	-	-	10	10	2500
Plymouth	10·2	+8	SW	5	r_0r_0	54	97	54	6	6	2	-	9	10	300
The Lizard	08·6	-2	S	3	cqrp	51	97	51	6	8	2	-	7-8	9+	1000
Scilly (St. Mary's)	06·2	-10	SSE	5	c	52	92	50	8	8	2	-	9+	10	1000
Guernsey															
Pembroke	06·5	-18	S	6	rr	52	97	52	6	8	2	-	7-8	10	1000
Holyhead (Valley)	06·4	-22	SE	2	r_0r_0	54	97	53	6	5	-	-	10	10	800
Chester (Sealand)	09·2	-16	SSE	4	ir_0	61	65	47	7	5	2	-	9+	10	3500
Manchester	10·3	-14	SSE	5	c	61	55	46	6	5	7	-	4-6	10	3000
Spurn Head	14·1	-10	SE'S	6	bc	49	92	47	7	-	-	2	0	4-6	-
Catterick	11·6	-18	SE	4	c	61	65	48	7	5	2	-	7-8	10	2000
Tynemouth	13·5	-8	SSE	5	c	48	92	45	7	5	-	-	7-8	7-8	2800
St. Abbs Head	11·3	-10	SE	5	c	48	75	41	7	5	7	-	4-6	9	2500
Leuchars	11·0	-22	SE	5	c	51	75	44	7	5	7	-	4-6	10	3500
Renfrew (Abbots I.)	09·4	-10	W	1	r_0r_0	56	85	50	5	6	2	-	4-6	10	1600
Eskdalemuir	08·9	-12	SSE	4	c	59	55	42	8	5	-	-	10	10	2200
Point of Ayre	08·0	-20	S	5	r_0r_0	51	97	51	6	6	2	-	4-6	10	2000
Tiree	08·3	-20	SE	2	rr	50	92	48	6	-	2	-	10	10	1500
Stornoway	09·7	-6	-	0	c	54	85	50	7	5	7	-	7-8	10	4000
Dalwhinnie	09·8	-16	SE	4	o	52	55	38	7	5	2	-	4-6	10	2500
Aberdeen	13·8	-12	SE'S	3	z_0	50	75	42	6	-	4	8	0	9+	-
Wick	13·2	-6	SSE	4	z_0	49	85	45	6	-	7	-	0	10	-
Sumburgh	16·7	-12	ESE	6	o/r	46	92	44	8	5	-	-	10	10	1300
Blacksod Point	01·7	-18	-	0	sjp	61	65	49	9	9	-	-	9	9	2500
Malin Head	04·8	-20	SE	5	c	53	97	52	7	5	2	-	4-6	9+	1500
Aldergrove	06·6	-26	SSE	4	id_0	51	92	49	6	5	2	-	9+	10	1800
Birr Castle	02·7	-16	S	2	c	57	85	53	7	3	2	-	4-6	10	800
Valentia Obsy.	00·9	-18	S'E	4	c	60	75	52	8	8	-	-	4-6	7-8	2500
Roches Point	03·0	-14	S	4	o/f	53	97	52	7	5	-	-	10	10	450

PAST 24 HOURS.

Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 15th (39)	Weather 13h.–18h. 15th (40)	Weather 18h. 15th to 1h. 16th (41)	Weather 1h.–7h. 16th (42)
London (Kew)	1	*	cm_0wc	cbcy	beczr	erzc
Croydon	1	*	$bccm_0$	ccy, bcy	crzzz	crzrz
S. Farnborough	0	*	bcm_0bc	bcc	crdcrr	errzmzc
Boscombe Down	0	*	cm_0c	c	$czzm_0$	cmz c
Thorney Island	1	*	ofbcb	bbcc	Rrcz	czrzmzc
Lympne	1	§2	bcm_0	$bcbz_0b$	beemzz	$r_0$rrrF
Manston	1	*	bz_0bcb	$bbcz_0m_0$	becmz	cmzozr
Shoeburyness	0	*	bcb,c	ccm_0c	cmzrr	cmzrzc
Felixstowe	0	2	cbcb	bc	bcbbcmz	$emzcid_0$
Gorleston	0	3	b	bbc	bw	bcwcmz
Mildenhall	0	*	bm_0c	cbc	cmzbcmz	czrzmz
Cranwell	0	*	bcm_0cy	c	$crzd_0$	omfrz
Birmingham	1	*	cbc	c	cir	c
Upper Heyford	0	*	cm_0bcz_0	$cycz_0y$	eidgrr	rrzobzc
Ross-on-Wye	0	*	bczbcc	id_0c	dorrc	cbcc
Hartland Point	1	3	cir	cirrrc	rrczbcb	bbcc
Bristol	1	*	c	ccz_0	azzdm	bccbc
Portland Bill	1	4	c	oddo	oddo	co
Plymouth	1	3	$cr_0r_0rrm_0$	$cr_0r_0m_0$	$r_0r_0bcm_0$	bm_0p
The Lizard	1	4	Ffrf	Frmc	bcw	bcw
Scilly (St. Mary's)	1	3	qffe	ffrrc	crcbc	bwbc
Guernsey						
Pembroke	1	4	$cr_0r_0m_0$	$crrm_0$	cbc	$cbcm_0$
Holyhead (Valley)	1	3	cm_0ir_0	$cr_0r_0rrm_0$	$cizom_0$	cm_0
Chester (Sealand)	0	*	$bccm_0z_0$⊕	cz_0yir_0	czr_0r_0m	r_0r_0cbm
Manchester	0	*	bcz_0y	cz_0y	$cizz_0$	$crrm_0$
Spurn Head	0	4	bc	bc	bcc	om_0
Catterick	0	*	$bmbz_0bc$	c	$cr_0r_0m_0$	$erfdd_0$
Tynemouth	0	4	bc	bcc	$eqoir_0$	$orrm_0$
St. Abbs Head	0	4	bcm_0	bcm_0cm_0	emzzr	errf
Leuchars	0	*	c	cm_0c	crrmz	rrzzm
Renfrew (Abbots I.)	1	*	cm_0z_0cy	$cymr_0r_0$	czr_0ir_0	cmz izc
Eskdalemuir	0	*	c	cy	ozr	rRzo
Point of Ayre	1	4	cz_0	cr_0r_0	$r_0r_0$rriz	izcb
Tiree	1	3	$coir_0$	cirr	oirr	·
Stornoway	1	1	c	pr_0e	cpr_0	err
Dalwhinnie	0	*	coy	oy	*	oir
Aberdeen	0		$obcz_0y$	beccq	cz	$crrm_0$
Wick	0	*	cm_0	om_0	cm_0ir_0	cmzzz
Sumburgh	1	*	c	cir_0c	c	c
Blacksod Point	0		bc	c	c	pr
Malin Head	1	3	r	r	r	r
Aldergrove	1	*	$oir_0r_0r_0m_0$	$r_0r_0m_0d_0d_0m_0$	$or_0r_0cm_0$	cmzepr
Birr Castle	1	*	c	c	*	pr
Valentia Obsy.	1	4	c	pr	pr	pr
Roches Point	1	4	f	r	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 16th May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light southerly wind; fair periods; a few thundery showers toward evening with a slight chance of local thunder. Rather warm and close.
4 W. Midlands; 5 S.W. England; 6 South Wales	Light to moderate south to southwest winds. Fair periods; some local thunderstorms and thundery showers this evening. Rather warm and close.
7 North Wales; 8 N.W. England; 9 N. Midlands	Light to moderate south-southwest winds. Mainly fine on coast, fair periods inland with a few local showers. Renewed rain possible toward end of period. Rather warm and close.
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	Moderate to fresh southerly winds. Some rain at first, then brighter periods, but thundery showers, with local thunder probable. Becoming rather close.
15 N.E. Scotland	Strong east to southeast wind. Dull; rain at times: rather cold.
16 Orkneys and Shetlands	As 15.
17 N.W. Ireland; 18 N.E. Ireland	As 4.
19 S.E. Ireland; 20 S.W. Ireland	As 5-7.

GENERAL INFERENCE

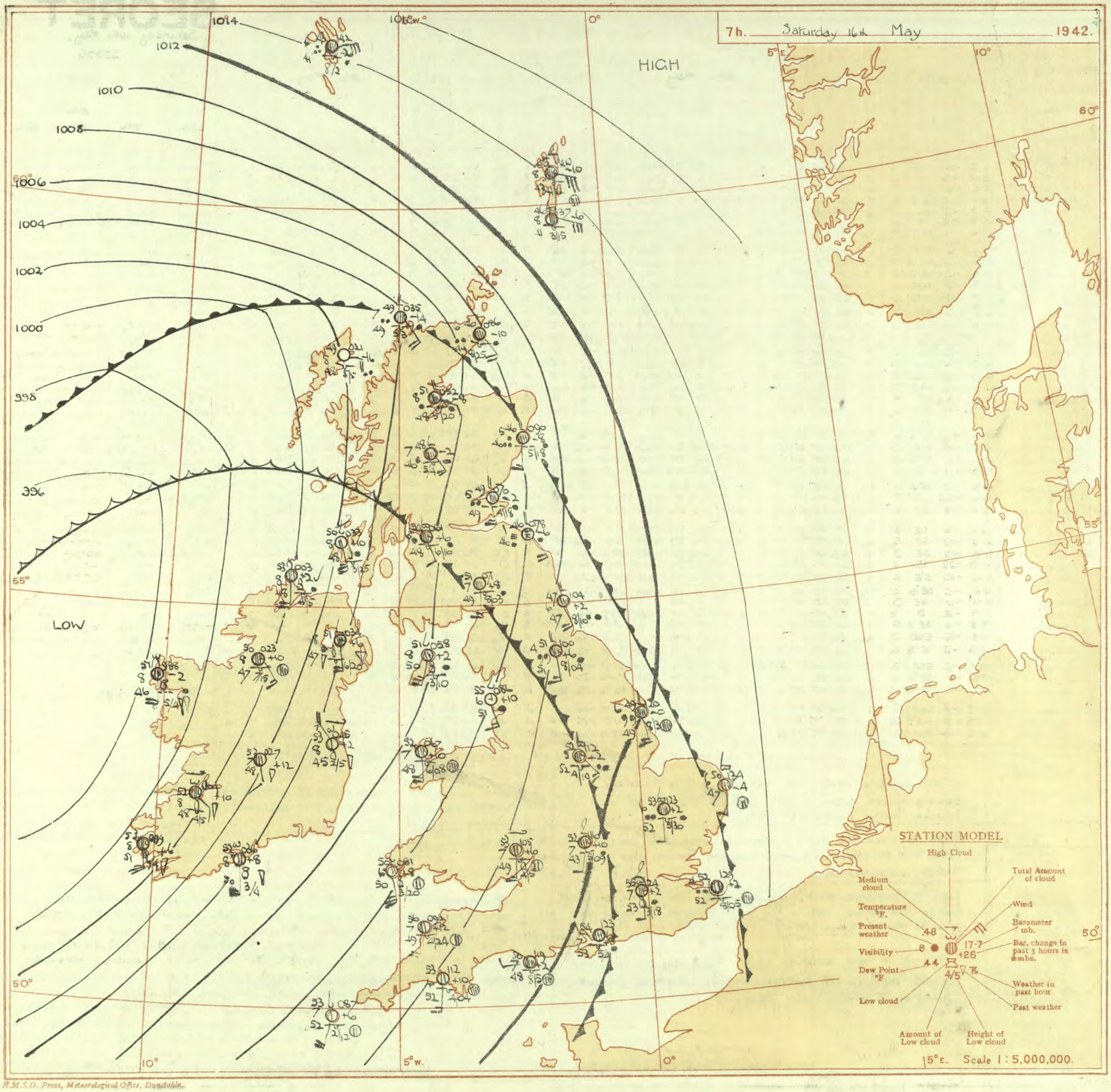
A depression to westward of Northwest Ireland will only move more slowly during the next 24 hours, but an active secondary in the Azores area will move rather quickly northeast. Rainfall will persist for some time in North and East Scotland. Elsewhere, weather will be rather warm and close with fair periods, but with some thundery showers and local thunderstorms by evening.

FURTHER OUTLOOK

Rain spreading from 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



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.

Page 4. BRITISH SECTION

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

Saturday 16th May 1942

No. 29395.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	12.9	-6	SSE	2	rr	52	87	50	6	6	2	-	10	10	1500
	S. Farnborough	226	11.9	-6	SSE	2	rr	53	97	51	7	5	7	-	7-8	10	3000
	Boscombe Down	417	12.1	-6	SW'S	3	o/d	53	97	52	6	5	-	-	10	10	1000
	Thorney Island	10	12.4	-6	SSE	2	rr	53	97	52	6	5	2	-	10	10	7600
	Lympne	283	14.9	-6	ESE	2	c/r	53	85	49	6	5	2	-	9	10	3500
	Manston	154	13.7	-12	SSE	2	z	51	92	49	5	-	7	7	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13.9	-14	SE	4	z	52	85	48	6	-	-	2	0	7-8	-
	Gorleston	5	15.0	-12	S	2	b	49	85	45	6	-	-	-	0	0	.
	Mildenhall	15	12.7	-14	SE	3	z	52	75	45	6	5	.	-	10	10	4100
	Cranwell	203	12.0	-6	SE'S	5	r	50	97	49	4	5	.	.	10	10	2100
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11.2	-4	SE	2	rr	52	97	51	5	6	2	.	9+	10	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07.8	+2	SSW	4	b	52	85	48	8	-	-	-	0	0	.
	Bristol	209	10.8	-2	S	2	c	54	85	51	7	5	1	-	4-6	7-8	1300
	Portland Bill	32	11.7	-4	SW	3	o	51	92	49	7	5	-	-	10	10	2500
	Plymouth	82	10.1	+2	SSW	4	z	52	97	51	6	-	4	.	0	Tr	.
	The Lizard	240	09.1	+6	SW'S	4	bc	50	97	50	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	07.5	+8	SW'S	6	b	52	97	51	7	-	-	-	0	0	.
	Guernsey	175															
6	Pembroke	142	07.1	+8	S'W	5	bc	50	97	50	7	2	3	-	2-3	4-6	2500
7	Holyhead (Valley)	32	05.7	0	SSE	4	r	52	97	51	6	5	2	-	7-8	10	1500
	Chester (Sealand)	16	08.2	-2	SSE	3	rr	53	92	51	5	5	2	-	7-8	10	1000
8	Manchester	235	09.6	+4	NE	4	e	53	92	51	6	-	2	.	10	10	7000
10	Spurn Head	29	12.4	-12	SE'S	6	c	50	85	45	7	5	6	-	9+	9+	2500
	Catterick	175	09.8	-8	S	4	rr	51	97	51	6	-	2	-	10	10	1800
	Tynemouth	108	10.6	-12	SE	6	ir	48	92	46	7	6	.	-	10	10	1500
11	St. Abbs Head	280	09.0	-8	SE	5	rr	45	92	43	6	5	-	-	10	10	2500
	Leuchars	36	08.4	-14	SE	4	rr	47	97	45	6	6	2	-	7-8	10	1900
12	Renfrew (Abbots I.)	19	05.8	-20	SE'E	4	ir	53	92	51	5	5	-	-	10	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	05.9	-8	S'W	4	ir	55	97	49	7	8	2	-	9	10	1800
13A	Tiree	22	04.4	-20	SE	3	rr	50	97	49	6	-	2	-	10	10	800
13B	Stornoway	80	05.6	-12	E	3	pr	49	97	48	6	8	7	-	7-8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10.5	-14	SSE	4	rr	46	85	42	7	5	2	-	4-6	10	3400
	Wick	114	11.1	-14	SE	4	c/r	47	85	42	6	-	7	-	0	10	.
16	Sumburgh	19	16.9	-4	SE	6	c	45	92	43	7	5	1	-	9+	10	1000
17	Blacksod Point	18	99.2	-14	S	2	o	52	92	50	8	5	.	-	9+	9+	1500
18	Malin Head	84	00.9	-14	SE	5	rc	51	92	49	7	:	2	-	10	10	1500
	Aldergrove	268	03.2	-10	SE	3	z	49	92	48	6	5	-	8	4-6	7-8	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	00.6	-2	SSW	4	ir	48	97	47	7	6	-	-	9+	9+	1500
	Roches Point	22	02.2	0	SSW	4	c/pr	50	92	48	8	3	-	.	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 16th May — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 15th Hrs. (38)
London (Kew)	12.1	-2	SW'S	2	c	55	92	53	7	8	7	6	9	9+	1500	1	*	65	52	49	-	7	6.3
Croydon	12.4	+2	S	2	c	55	92	53	7	2	3	6	2-3	9+	1800	1	*	63	51	48	-	3	9.0
S. Farnborough	12.2	+10	WSW	2	c	55	85	51	8	2	-	7	4-6	9+	1800	1	*	64	52	51	-	5	7.4
Boscombe Down	12.3	+4	S	2	c	51	92	49	7	5	-	9	4-6	9	600	1	*	62	47	45	-	5	0.9
Thorney Island	12.3	+6	WNW	2	c	54	97	53	7	5	-	-	7-8	9+	1500	1	*	60	52	47	-	8	*
Lympne	13.9	-2	-	0	rr	52	97	52	4	5	2	-	10	10	200	1	§	57	49	42	-	4	9.5
Manston	12.9	+2	-	0	rr	52	97	52	4	5	-	-	10	10	500	1	*	59	50	47	-	2	9.7
Shoeburyness	13.2	+2	SW	1	rr	54	97	53	4	-	2	-	7-8	10	800	1	*	57	51	47	-	4	9.0
Felixstowe	13.3	+2	SSW	2	rr	51	97	51	5	-	2	-	10	10	800	1	2	57	49	48	-	22	13.1
Gorleston	13.4	-4	S	2	z	50	92	47	6	-	7	-	0	7-8	-	0	3	57	48	40	-	-	12.4
Mildenhall	12.3	+2	S	2	rr	53	97	52	6	5	7	-	7-8	10	3000	1	*	64	49	44	-	2	9.8
Cranwell	11.2	+2	SE	3	c/r	52	97	52	5	5	7	-	4-6	9+	1000	1	*	64	49	49	Tr	4	6.1
Birmingham	10.5	+8	SSW	3	bc	58	85	49	8	5	-	.	4-6	4-6	2500	1	*	63	51	50	-	2	4.3
Upper Heyford	11.6	+10	SSW	2	c	52	75	43	7	6	-	6	7-8	9	900	1	*	63	51	50	-	4	*
Ross-on-Wye	10.5	+6	S	3	bc	53	85	49	7	7	-	1	4-6	4-6	3000	1	*	61	50	45	Tr	2	3.2
Hartland Point	09.0	+12	SSW	4	bc	56	85	49	7	5	-	.	4-6	4-6	2400	1	3	57	51	50	2	4	0.7
Bristol	11.7	+8	SSW	3	c	53	85	49	8	5	4	6	2-3	7-8	1500	1	*	62	49	45	0.2	2	3.8
Portland Bill	11.9	+2	WSW	2	o	50	92	48	7	5	-	-	10	10	2500	1	3	52	48	*	0.4	-	*
Plymouth	11.2	+10	S	3	z	53	97	52	6	5	-	-	4-6	4-6	400	1	3	55	50	47	13	5	0.0
The Lizard	10.6	+8	S	4	c	51	97	51	8	4	-	-	2-3	2-3	2000	1	4		50	*	10	0.5	0.0
Scilly (St. Mary's)	08.7	+6	SSW	4	bc	53	97	52	7	5	4	-	1	2-3	1200	1	4		51	*	10	0.1	0.0
Guernsey																							
Pembroke	08.1	+8	S'E	5	bc	50	97	50	6	2	4	-	2-3	4-6	2000	1	4	52	45	.	15	3	0.0
Holyhead (Valley)	06.7	+10	S	4	c	52	85	48	7	5	-	-	9	9	800	1	3	59	50	46	6	8	*
Chester (Sealand)	08.7	+6	SSE	2	b	55	85	49	6	1	-	.	1	1	2500	1	*	64	51	45	Tr	3	2.8
Manchester	08.3	+8	S'E	3	bc	54	85	50	6	4	-	1	4-6	4-6	4000	1	*	64	53	48	-	0.4	*
Spurn Head	12.0	0	SSE	3	dd	49	97	49	6	-	2	-	10	10	800	1		52	48	.	-	2	10.2
Catterick	10.0	+6	S	3	dd	51	97	51	4	-	2	-	10	10	400	1	*	64	50	49	-	4	7.7
Tynemouth	10.4	+2	SSE	4	o/r	47	97	47	6	-	2	-	10	10	1000	1	3	51	47	46	-	7	*
St. Abbs Head	07.8	-6	SE	4	rF	46	97	46	1	-	2	-	10	10	<150	1	4	53	43	*	-	12	*
Leuchars	07.0	-2	SSE	3	rr	49	97	49	5	6	2	-	4-6	10	1800	1	*	60	46	45	-	10	2.2
Renfrew (Abbots I.)	06.1	+6	SSE	2	ir	54	85	48	6	5	7	-	9	9+	1600	1	*	64	52	49	1	6	0.4
Eskdalemuir	07.1	+8	S'W	3	o	51	92	49	7	5	-	.	10	10	300	1	*	63	49	49	*	13	3.4
Point of Ayre	05.8	+2	SSW	5	bc	51	97	50	8	8	4	.	2-3	4-6	1000	1	4	57	49	*	2	8	0.6
Tiree																		53		*	↓		
Stornoway	02.1	-16	NE	4	c/r	49	97	48	8	5	7	.	7-8	10	2000	1	2	55	48	*	Tr	5	0.4
Dalwhinnie	06.0	-2	SE	4	id	48	92	46	7	5	1	-	7-8	10	1500	1	*	58	45	44	-	5	0.9
Aberdeen †	09.0	-8	S	0	rr	46	97	46	5	6	2	-	7-8	10	1800	1	2	56	46	43	-	8	4.9
Wick	08.6	-10	SE	4	rr	46	92	44	6	5	-	.	10	10	2500	1	*	54	44	44	-	2	*
Sumburgh	13.7	-6	ESE	6	c	46	85	41	8	5	7	-	2-3	10	1500	0	4	46	45	44	0.3	-	0.4
Blacksod Point	98.8	-2	S	4	c/pr	51	85	47	8	9	6	.	7-8	7-8	1500	1	3	64	49	*	-	(Tr)	*
Malin Head	00.3	+2	S	4	c	53	85	49	8	8	6	-	4-6	7-8	2500	1	2	54	50		2	1	0.0
Aldergrove	03.4	+6	S'E	4	pr	51	85	47	8	8	7	-	9	9+	2000	1	*	55	37	29	5	2	0.0
Birr Castle	02.7	+12	S	2	c	52	85	48	7	5	-	-	7-8	7-8	2500	1	*	55		42	5	2	0.0
Valentia Obsy.	00.9	+6	S'W	5	c	53	92	51	8	2	-	1	9	9	1500	1	4	62	48	47	0.4	6	7.7
Roches Point	03.6	+8	S	4	bc	52	92	50	8	3	3	-	2-3	4-6	1500	1	4	54	49	*	1	9	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th May 18h. G.M.T. — 01h. G.M.T. 16th May 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhN$_h$ (13h)	DDFWN (13h)	$C_L C_M$ (18h)	wwVhN$_h$ (18h)	DDFWN (18h)	$C_L C_M$ (01h)	wwVhN$_h$ (01h)	DDFWN (01h)	$C_L C_M$ (07h)	wwVhN$_h$ (07h)	DDFWN (07h)
109	5-	05636	10328	51	05673	13528	5-	05648	12528	02	62758	45568
115	57	09735	08388	52	02745	12228	52	62735	12368	52	62735	12468
203	51	05774	16128	51	05745	08228				8-	02848	12328
206	57	02744	06365	57	02754	08428	5-	64648	08268	52	61855	10268
210	1-	02866	14427	07	02830	12328	02	62658	10268	57	62654	12428
220	52	03646	15568	5-	03446	15466				52	03626	15628
230	52	22645	08268	52	23052	62654	02	62638	10368	57	02845	15267
245	03	02790	14416	09	02830	13418	51	62764	14468	02	64528	16468
260	57	02864	13416	57	02765	13328	52	05564	10528	53	02755	13128
278	57	05562	12427	52	64447	10368	01	22548	14468	5-	02746	14426
279	57	05665	13427	62	61654	12368	52	64657	14368			
285	14	01861	12515							6-	61628	18468
288	13	02753	10515	07	02790	12528	5-	62668	12468	52	61655	14368
575	52	02746	13228	51	02637	10268	5-	02748	12328	5-	02847	13327
301	2-	05665	13515	62	62563	12568				04	05690	14361
321	26	02734	18545	57	02755	14428	02	63648	15468	62	05544	17468
299	07	01790	12303	03	01730	12403	50	01752	04402			
292	27	01755	15315	41	02753	11328	02	64458	13368	61	05525	14368
310												
614	26	05665	12327	47	05565	14427	5-	63448	14168	52	45345	18167
333	52	63646	14368	5-	64648	13468	52	22744	18468	5-	02745	16415
334	-+	02654	28316							--	01762	20214
340	80	02765	15516	52	02756	14588	62	61558	15468	54	00941	16412
136	8-	02857	13417	10	01762	14419	57	05666	12316			
336				62	62526	12468				50	02756	20416
350	2-	17566	12416	23	05654	14426	62	62468	13368	83	02745	17367
368				62	52617	12328	57	05654	12166	54	01853	16114
379	8-	02747	14427	57	02756	14428	-+	67109	14369	2-	02835	20266
390	20	05645	14125	50	05663	12314	52	67364	08268	57	43314	16166
382	8-	02756	14416	57	02855	14427	02	61628	12328	05	02890	20165
438	--	46209	08249							--	46109	24249
430	10	00761	14321	14	01761	15414	52	62426	16268	5-	05648	22286
409	5-	54408	14568	62	64625	17467	50	01624	16304	5-	05636	16316

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 May
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	oro wc	cbcy	bcfrfoc	Kew 24 hours ended 7h.
Croydon	bccmo	ccy, bcy	crocmofofo	Max. 0.4 Time 7.9h 15th
Greenwich	c	cb dby ⊕	crofrc	Min. <0.1 Time 11-24h 15th
Camden Square	c	c	*	
Kensington	bczbc	bc	*	
Hampstead	bc	bc	o/bc	

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	65	52	49	-	7	6.3	*	*
Croydon	63	51	48	-	3	9.0	*	*
Greenwich	64	51	47	-	3.8	5.6	51	72
Westminster	64	51	50	7.9		*	70	86
Regents Park	63	52	51	-	7.4	*	73	72
Camden Square	65	53	51	-	7.6	*	*	73
Kensington	65	52	50	-	7.4	*	60	75
Hampstead	62	51	50	-	6.9	*	*	82

SECRET

Page 1 BRITISH SECTION

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

Sunday 17th May 1942

No. 29396

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12.5	0	WSW	2	c	64	55	47	8	2	5	8	4-6	9+	2500
	Croydon	12.8	+2	S	1	c	64	55	49	8	2	3	2	7-8	9+	2500
	S. Farnborough	12.5	0	SW'W	3	c	64	55	48	9	2	-	4	7-8	9+	3000
	Boscombe Down	13.0	+4	S'W	3	c	60	75	50	8	2	·	8	7-8	9+	2300
	Thorney Island	13.6	+6	SSW	3	c	60	85	54	8	2	-	6	2-3	9	2500
	Lympne	14.8	+6	SSE	1	f+	53	97	53	2	-	-	-	10	10	<150
	Manston	13.4	0	SSE	1	z.	57	92	54	6	2	7	-	1	9+	1500
2	Shoeburyness	13.6	0	SE	4	c/pr	59	85	54	8	2	7	-	4-6	10	2500
	Felixstowe	13.5	+2	SSE	2	z.	54	92	52	5	5	7	-	2-3	9+	4000
	Gorleston	13.5	-2	SSE	3	c/r	51	92	49	6	5	-	-	10	10	800
	Mildenhall	12.0	-2	SW'S	2	c	67	55	48	8	2	7	9	4-6	7-8	2500
	Cranwell	11.4	+2	SW'S	3	c	63	75	57	8	2	9	8	2-3	7-8	3000
3	Birmingham	11.0	+4	S	3	c	62	55	46	8	1	-	8	4-6	9+	2500
	Upper Heyford	11.6	-2	SW	3	c	62	55	47	8	2	-	6	4-6	9+	2200
4	Ross-on-Wye	11.1	0	SW	3	c	63	55	45	8	1	-	8	2-3	7-8	4000
5	Hartland Point	10.3	+8	SSW	4	cjp	55	85	49	8	2	4	-	2-3	7-8	2400
	Bristol	12.4	+2	S'W	4	c	63	55	47	8	2	-	8	4-6	7-8	2500
	Portland Bill	14.3	+20	SW	2	bc	54	85	47	8	5	·	-	4-6	4-6	4000
	Plymouth	10.3	+8	S'W	4	z.	57	85	54	6	5	4	1	4-6	4-6	1500
	The Lizard	11.6	+8	S	4	bc	57	85	53	8	8	6	-	4-6	4-6	2700
	Scilly (St. Mary's)	09.0	+2	S'W	5	c	58	85	54	7	5	7	3	2-3	7-8	1200
	Guernsey															
6	Pembroke	09.6	+8	S	5	c	53	92	50	7	2	6	-	4-6	7-8	3000
7	Holyhead (Valley)	08.5	+10	SSW	5	bc	58	75	51	7	8	6	9	1	2-3	1500
	Chester (Sealand)	09.2	+8	S'W	3	c	66	45	46	8	2	-	-	7-8	7-8	3500
8	Manchester	09.8	0	S'W	4	c	65	55	45	8	2	6	6	7-8	9+	2500
10	Spurn Head	12.1	+2	SE	4	bc	54	92	52	5	5	3	2	2-3	4-6	4000
	Catterick	09.9	-2	SSW	3	z.	64	55	46	6	2	-	·	9	9	2500
	Tynemouth	10.7	0	SSE	5	c	51	92	49	6	2	3	1	4-6	7-8	2200
11	St. Abbs Head	08.5	-16	SE	3	c	48	97	47	5	8	4	·	9	9	2000
	Leuchars	08.2	+6	SSE	3	c	60	75	53	7	2	3	-	4-6	7-8	2800
12	Renfrew (Abbots I.)	07.5	+6	S	3	c	60	55	43	8	8	-	·	9	9	2000
	Eskdalemuir	08.4	+16	SW'S	6	bc	57	65	43	8	7	-	1	4-6	4-6	2200
	Point of Ayre	08.0	+12	S'W	5	c	57	92	54	8	8	5	-	2-3	9	1000
13A	Tiree	04.5	+2	SSE	4	bc	57	75	45	8	5	3	-	4-6	4-6	2800
13B	Stornoway	03.5	+6	SSE	4	c/pr	55	85	49	8	2	7	-	4-6	7-8	2500
15	Dalwhinnie	06.5	+4	SSE	5	bc	58	55	42	8	8	4	-	2-3	4-6	2500
	Aberdeen	09.6	0	S	4	z.	52	92	50	6	5	-	3	7-8	7-8	700
	Wick	07.6	-6	SSE	5	c	50	92	49	6	5	7	4	4-6	9	900
16	Sumburgh	12.1	-8	SE	6	c	48	65	37	7	5	1	·	7-8	10	1400
17	Blacksod Point	00.5	+10	S	5	c	55	85	51	8	8	-	-	7-8	7-8	2500
18	Malin Head	02.2	-10	S	4	c	59	55	43	8	9	-	-	7-8	7-8	2500
	Aldergrove	04.6	+2	SE'S	4	cjp	58	65	44	8	3	6	-	4-6	7-8	2300
19	Birr Castle	02.9	0	S	3	c	60	75	52	7	3	7	-	4-6	7-8	800
20	Valentia Obsy.	02.1	+8	S'W	6	c/pr	58	85	53	8	3	3	-	9+	9+	2500
	Roches Point	04.7	+10	S	5	bc	56	92	54	8	3	3	-	2-3	4-6	1500

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

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)	12.5	+2	WSW	3	bc	64	45	44	8	2	4	1	Tr	2-3	2500	1	*
	Croydon	12.6	0	SW	1	bc	64	55	46	8	4	4	5	2-3	2-3	4000	1	*
	S. Farnborough	12.8	+2	SW'S	4	bc	61	65	48	9	1	-	8	1	2-3	3000	1	*
	Boscombe Down	13.2	+2	SW'S	4	bc	57	65	44	8	4	-	2	2-3	2-3	3000	0	*
	Thorney Island	13.6	-4	S'W	3	b	59	75	51	8	1	-	4	Tr	1	1500	1	*
	Lympne	14.6	-2	SSE	1	c	56	85	51	8	2	9	6	Tr	9+	3500	1	5
	Manston	12.9	-6	SSW	2	c	59	65	48	8	2	3	6	Tr	9+	3000	1	*
2	Shoeburyness	13.1	-2	SW	3	pr	59	75	50	8	2	7	-	4-6	9	2500	1	*
	Felixstowe	12.9	-4	SSE	2	c	56	85	54	7	2	7	-	7-8	10	5700	0	2
	Gorleston	13.5	0	S'W	2	z.	51	85	49	6	5	-	-	10	10	1000	1	3
	Mildenhall	11.7	-2	SW	2	c	65	55	48	8	2	7	8	2-3	9+	2500	0	*
	Cranwell	11.0	-2	SW	3	c	62	65	48	8	2	7	8	Tr	9	3000	0	*
3	Birmingham	10.9	0	WSW	3	bc/pr	60	65	48	8	3	-	3	4-6	4-6	2500	1	*
	Upper Heyford	11.5	-2	SW'S	4	bc	63	45	43	9	1	-	8	2-3	4-6	2500	0	*
4	Ross-on-Wye	11.0	0	SW	4	bc	62	55	45	8	7	-	5	1	4-6	4000	0	*
5	Hartland Point	10.4	+2	SSW	3	pr	55	85	50	7	2	6	8	7-8	9+	2000	1	3
	Bristol	12.2	+2	SSW	4	c	59	65	45	8	2	6	6	F	7-8	2500	1	*
	Portland Bill	13.8	+2	S	2	c	51	85	47	7	5	-	-	10	10	4000	1	3
	Plymouth	12.5	-2	SSW	5	c/pr	54	97	52	6	8	-	-	10	10	1500	1	3
	The Lizard	11.6	0	SSW	4	bc	54	92	52	8	8	6	1	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	10.0	+6	SSW	4	bc	56	97	55	7	8	4	1	1	2-3	1200	1	4
	Guernsey																	
6	Pembroke	09.8	+6	S'W	6	c	52	92	50	7	8	6	-	7-8	9+	2500	1	3
7	Holyhead (Valley)	08.3	-4	S	4	bc	56	85	50	8	8	4	1	1	2-3	3000	1	3
	Chester (Sealand)	09.4	0	S	3	bc/pr	62	55	46	8	8	-	5	4-6	4-6	5500	0	*
8	Manchester	09.8	-2	SSW	5	c	63	45	42	8	2	7	3	2-3	9	3000	0	*
10	Spurn Head	11.7	-2	SE	4	c	51	92	49	6	2	7	7	4-6	9	2500	0	3
	Catterick	09.9	+2	SSW	3	c	62	55	45	7	4	3	1	4-6	9	3500	0	*
	Tynemouth	10.4	0	SE	3	c	50	92	48	6	8	-	-	7-8	7-8	2200	1	3
11	St. Abbs Head	08.7	+2	SE	2	bc	52	85	48	6	5	4	-	2-3	4-6	3000	1	4
	Leuchars	08.2	-2	S	3	c	62	55	44	8	8	-	8	2-3	9	2500	1	*
12	Renfrew (Abbots I.)	07.7	+2	S	3	c/pr	59	55	43	8	3	3	-	7-8	7-8	2500	1	*
	Eskdalemuir	08.4	-2	SW'S	4	c	57	65	44	8	7	7	2	2-3	7-8	2800	1	*
	Point of Ayre	08.1	-2	S'W	4	c	56	85	52	8	8	6	-	1	9+	1600	0	3
13A	Tiree	02.9	0	SSE	3	bc	50	92	47	8	5	3	-	4-6	4-6	2500	0	4
13B	Stornoway	04.0	+6	SSE	4	c/pr	55	75	48	8	2	7	-	4-6	7-8	2000	1	2
15	Dalwhinnie	06.0	+4	SSW	3	c	53	75	45	8	5	4	-	7-8	9	2500	0	*
	Aberdeen	09.4	+4	SSW	3	z.	50	92	48	6	5	-	9	7-8	7-8	700	1	3
	Wick	07.8	+8	SE	5	z.	50	92	47	6	5	7	1	1	4-6	4000	0	*
16	Sumburgh	11.0	-8	SE	5	c	48	85	43	8	5	7	-	4-6	10	3000	0	4
17	Blacksod Point	00.9	0	S	5	c	54	85	50	8	8	-	8	4-6	7-8	2500	0	4
18	Malin Head	02.3	+8	SE'S	4	c	58	75	50	8	9	-	·	9+	9+	2500	1	3
	Aldergrove	04.4	-4	SSE	5	cjp	56	75	48	8	8	6	3	4-6	7-8	2000	1	*
19	Birr Castle	03.4	+6	SSW	3	c	59	75	51	8	8	-	-	7-8	7-8	800	1	*
20	Valentia Obsy.	02.4	0	SSW	5	c	56	85	51	8	3	6	-	9	9+	2500	1	5
	Roches Point	05.2	+2	S	5	bc	54	92	52	8	5	-	·	2-3	2-3	1500	1	5

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 16th (39)	13h.—18h. 16th (40)	18h. 16th to 1h. 17th (41)	1h.–7h. 17th (42)
1	London (Kew)	ccy	cbcby	bybcb	bw
	Croydon	ccy	cybc	by, b,cb	bmw cmb
	S. Farnborough	bcbccvy	cbczby	bbc	bcmwb
	Boscombe Down	c	cbcb	bccm.	cpcc
	Thorney Island	cbcc	cbc,b	b,cm	cbbcw
	Lympne	r.iF Fm.	c⊕c	cbwfc	FFfem
	Manston	r.r.mcm.	cm.pr.c	cbcbmw	bwbmb
2	Shoeburyness	mr.r.pr.	cpr	cprbm	bmm
	Felixstowe	cr.r.mcm.	c	cbcbm	bbcbm
	Gorleston	pr.m.	cz.cbm	cbcmw	cwbc
	Mildenhall	ccy	cy	cycbbm	bmb
	Cranwell	cm.cy	cyc	s,bm	bmb
3	Birmingham	bcc	cbc	cbc	bc
	Upper Heyford	ccz.c	cybcy	bc	cbcwc
4	Ross-on-Wye	bcc	cybcy	bc	bcc
5	Hartland Point	bcc	cprrr	cprbc	bbcc
	Bristol	ccy	bbccy	bc, bcw	bccid.
	Portland Bill	cbc	bcc	c	bcc
	Plymouth	bcm.	cprm.	cpr.bc	cmir
	The Lizard	bc	bccbc	bcw	cifo
	Scilly (St. Mary's)	bcc	cbc	bcw	bccir
	Guernsey				
6	Pembroke	bcc	c	bcc	pifid m.
7	Holyhead (Valley)	bccy	bccbc	cpr.c	cpr.c
	Chester (Sealand)	bm.cy	cbccy	bcycbc	bbcwm.
8	Manchester	bcc	cy	bccz	bm
10	Spurn Head	bcm	cm.	b	b
	Catterick	cd.d.mcm.	cz.cy	cbcm.	bcmbm
	Tynemouth	om.bcc	bcc	c	cbc
11	St. Abbs Head	cm.m	cbcm.	bcmc.	bccmbc
	Leuchars	cm.bc	bcycy	bcc	cmc
12	Renfrew (Abbots I.)	cpr.c	cprpr.c	bcc	cbc
	Eskdalemuir	cbc	bcy	cpr	cprpr
	Point of Ayre	bbcprc	cbcc	pr bcb	qbcd.rc
13A	Tiree	bc	bc	bc	bcc
13B	Stornoway	bccpr.	cpr	cpr	cpr
15	Dalwhinnie	oidbc	bcpr.c	*	cpr
	Aberdeen	crrm.c	cz.	czff	cffir
	Wick	cm.	cm.bcm.	bcmcm	f
16	Sumburgh	c	cr.c	cbc	bccbcc
17	Blacksod Point	pr	bc	pr	bc
18	Malin Head	c	pr	pr	pr
	Aldergrove	prbccjp	pRcjp	cbcd	bcc
19	Birr Castle	pr	pr	*	pr
20	Valentia Obsy.	pr	c	c	bc
	Roches Point	pr	b	pr	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light or moderate south wind; cloud increasing, slight rain tonight; rather warm.
4 W. Midlands; 5 S.W. England; 6 South Wales	Freshening Southerly wind mainly cloudy, rain spreading from Southwest; coast and hill fog in Southwest, mild.
7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate South wind, bright intervals but local thunderstorms today, cloud and rain spreading from South later, mild.
10 N.E. England; 11 S.E. Scotland	Moderate south to Southeast wind bright intervals but local thunderstorms today cloud and rain spreading from South later, low cloud on coast later, mild.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Moderate south wind, bright periods, local thunderstorms today, mild.
15 N.E. Scotland	Moderate south to southeast wind, cloudy occasional slight
16 Orkneys and Shetlands	rain, local coast fog average temperature.
17 N. W. Ireland; 18 N. E. Ireland	As 7-9
19 S. E. Ireland; 20 S. W. Ireland	As 4-6

GENERAL INFERENCE

A depression to northwest of Ireland is filling up rather quickly and another depression is approaching the British Isles from the southwest. Rain will spread from Southwest across England Wales and Ireland during the next twenty-four hours but the falls will be slight in the East. Thunderstorms are probable in the North today. It will be mild generally and in the Southeast it will be rather warm.

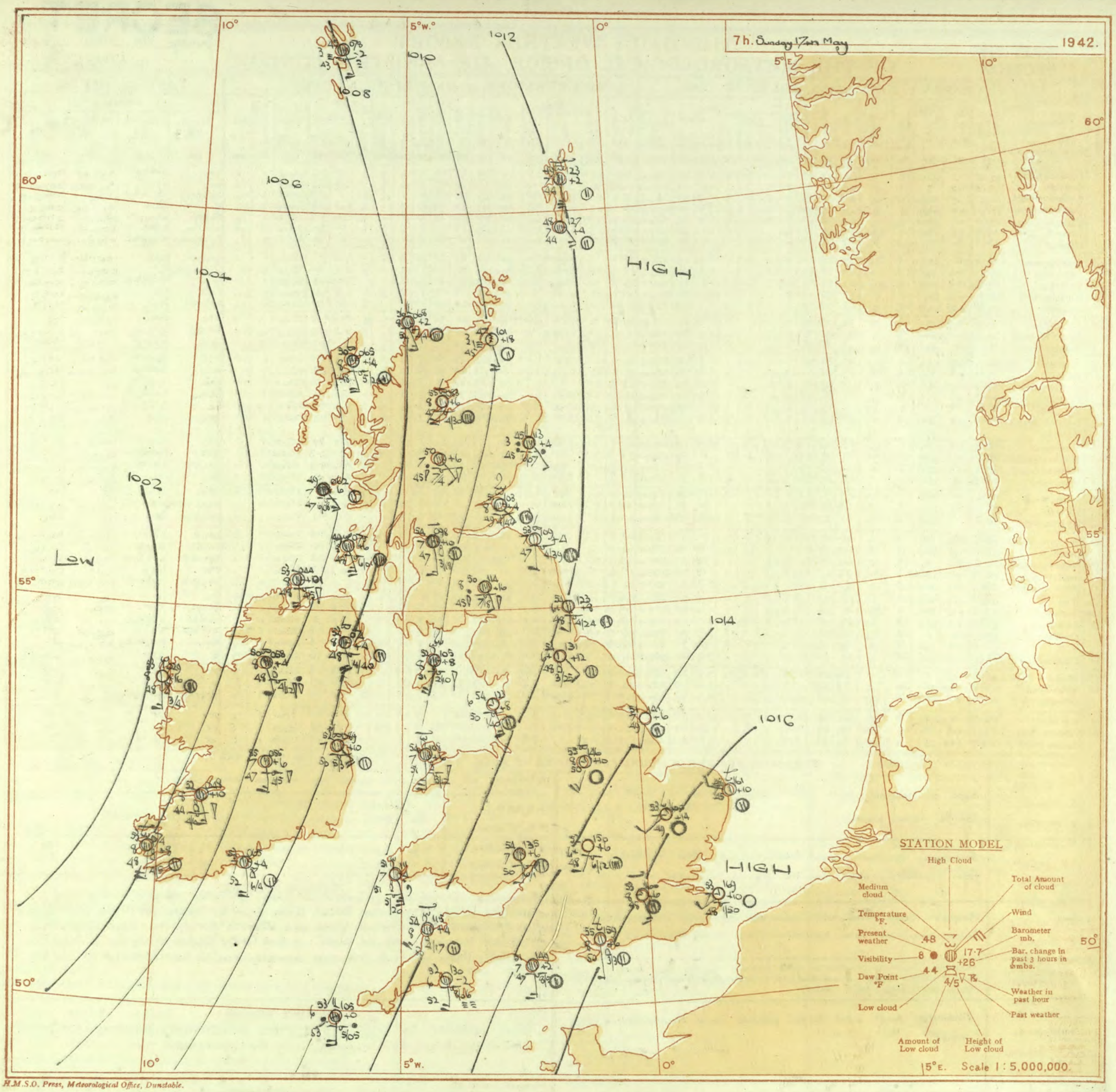
FURTHER OUTLOOK

Rather unsettled and mild with occasional rain generally, but long fair periods with rather high day temperature in the Southeast.

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.

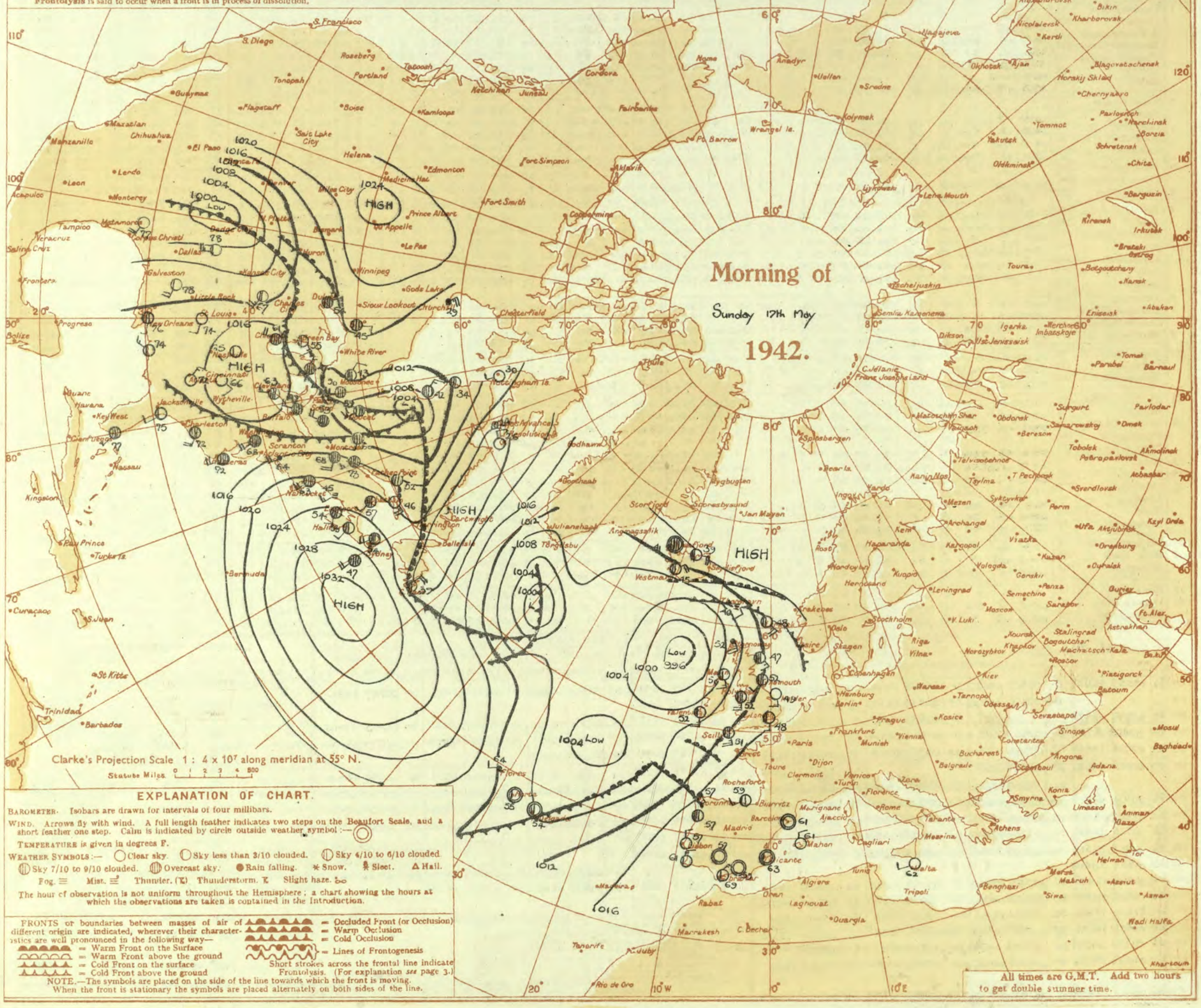
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.



BRITISH SECTION

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

Sunday 17th May 1942

No. 29396

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

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	15.4	+8	SSW	1	b	48	92	46	7	-	-	1	0	Tr	-
	S. Farnborough	226	15.3	+8	S'W	2	bc	47	92	45	7	-	-	3	0	4-6	-
	Boscombe Down	417	15.0	+2	S'E	3	pr	50	92	48	6	8	-	-	9+	9+	1500
	Thorney Island	10	15.4	+6	S	3	[illegible]	52	92	51	6	4	1	-	7-8	10	4300
	Lympne ..	283	16.7	+10	-	0	F	42	97	42	1	-	-	-	0	0	-
	Manston ...	154	15.3	+8	W'S	1	b	48	92	46	7	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14.4	+8	W	2	[illegible]	51	85	49	6	-	-	-	0	0	-
	Gorleston ...	5	14.8	+6	S'W	2	[illegible]	49	92	47	6	3	-	-	4-6	4-6	1500
	Mildenhall ...	15	14.5	+10	SW	3	[illegible]	50	85	45	6	4	-	-	1	1	4000
	Cranwell ...	203	13.0	+8	SW	4	[illegible]	50	92	48	6	3	-	-	Tr	Tr	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14.0	+6	S'W	3	c	49	97	47	7	5	-	2	7-8	9	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11.6	+4	SSW	3	bc	52	85	49	7	4	-	-	2-3	2-3	2500
	Bristol ...	209	13.0	+2	SSW	4	bc	52	92	49	7	5	4	2	Tr	4-6	4000
	Portland Bill ...	32	14.0	+2	S	2	c	50	85	46	7	5	-	-	10	10	2500
	Plymouth ...	82	13.4	+2	SSW	4	c/pr	52	97	52	6	2	-	-	7-8	7-8	2000
	The Lizard ...	240	12.5	+6	SSW	3	bc	52	97	52	7	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	11.1	0	S'W	4	bc	52	97	52	7	8	-	-	2-3	2-3	1200
	Guernsey ...	175															
6	Pembroke ...	142	10.7	+4	S	5	c	51	97	50	7	5	-	-	9	9	2500
7	Holyhead (Valley)	32	09.7	+4	S	5	c	52	92	50	7	5	-	-	7-8	9	800
	Chester (Sealand)	16	11.7	+8	SE'E	1	bc	51	85	47	7	5	-	-	4-6	4-6	4500
8	Manchester ...	235	12.1	+10	S'E	3	c	53	75	46	6	5	-	-	7-8	7-8	4000
10	Spurn Head ...	29	12.6	+2	S	2	b	49	92	47	6	-	-	-	0	0	-
	Catterick ...	175	12.2	+8	-	0	[illegible]	48	97	47	6	-	3	-	0	4-6	-
	Tynemouth ...	108	11.6	+6	SW	2	[illegible]	52	85	48	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	10.5	+6	-	0	bc	53	75	45	7	4	-	-	2-3	2-3	2500
	Leuchars ...	36	09.9	+4	-	0	c	51	85	45	7	5	3	8	2-3	7-8	3000
12	Renfrew (Abbots L.)	19	08.7	+4	SSE	2	c	53	75	47	7	5	-	-	9	9	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	09.4	+8	SSW	4	bc	56	97	50	8	4	4	-	1	2-3	3800
13A	Tiree	22	05.2	+2	SSE	4	bc	50	92	47	8	5	-	-	4-6	4-6	2500
13B	Stornoway ...	80	04.6	-2	SSE	5	pr	52	85	48	7	8	7	-	4-6	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10.8	+4	SE	1	[illegible]	45	92	43	3	5	-	-	10	10	800
	Wick ...	114	09.4	+4	SE	3	[illegible]	47	92	45	6	5	3	8	2-3	7-8	800
16	Sumburgh ..	19	12.1	+4	SE	5	bc	48	85	45	7	5	4	1	2-3	4-6	800
17	Blacksod Point	18	01.4	0	S	4	c/pr	52	92	50	8	8	-	-	9+	9+	1500
18	Malin Head ...	84	04.2	+6	S	3	bc	50	85	49	8	8	-	-	4-6	4-6	2500
	Aldergrove ...	268	06.9	+4	S	2	b	49	92	46	7	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09.7	-2	S'W	5	bc	52	85	48	8	5	-	-	2-3	2-3	2500
	Roches Point	22	06.6	+2	S	5	c/pr	53	97	52	8	3	-	-	7-8	9+	1500

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

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)	16.1	+6	SSE	2	bc	55	85	50	8	-	4	4	0	2-3	-	1	*
	Croydon ...	16.0	+6	S'E	3	b	53	85	48	8	-	-	1	0	1	-	1	*
	S. Farnborough	16.0	+6	S	2	bc	53	85	49	9	-	-	1	0	2-3	-	1	*
	Boscombe Down	15.5	+6	S'E	3	c	52	97	51	7	8	3	-	7-8	9+	1200	1	*
	Thorney Island	15.9	+6	S	1	bc	55	85	51	8	1	4	6	2-3	4-6	800	1	*
	Lympne ..	17.8	+10	SSE	1	b	52	92	50	8	-	-	3	0	Tr	-	1	§2
	Manston ...	16.9	+10	SW	1	b	53	85	48	7	5	-	-	Tr	Tr	5000	1	*
2	Shoeburyness...	17.0	+14	SW'S	1	b	53	85	49	5	-	4	-	0	1	-	1	*
	Felixstowe ...	16.4	+12	WSW	1	[illegible]	52	85	49	6	-	4	-	0	Tr	-	0	1
	Gorleston ...	16.1	+10	WNW	2	bc	48	92	45	7	-	4	1	0	2-3	-	0	3
	Mildenhall ...	16.0	+14	SW	2	b	53	85	49	7	-	4	-	0	Tr	-	0	*
	Cranwell ...	14.6	+10	SSW	3	b	55	85	50	8	-	7	-	0	Tr	-	0	*
3	Birmingham ...	14.3	+4	S	3	bc	54	85	50	8	5	-	1	2-3	2-3	2500	1	*
	Upper Heyford	15.0	+6	SSW	2	[illegible]	52	85	48	6	5	-	-	9	9	1200	0	*
4	Ross-on-Wye	13.5	+6	S	2	c	54	85	50	7	5	-	-	9	9	3500	0	*
5	Hartland Point	11.5	+4	SW	3	c	54	85	50	8	2	6	4	4-6	7-8	1700	1	4
	Bristol ...	14.6	+6	SE'S	2	c/d	54	85	50	7	8	3	-	7-8	9	1500	1	*
	Portland Bill ...	14.9	+2	S	3	c	51	85	47	7	5	-	-	10	10	2500	1	3
	Plymouth ...	13.4	0	S'W	3	[illegible]	53	97	53	5	5	-	-	10	10	400	1	2
	The Lizard ...	13.0	-2	S	4	c/f	52	97	52	6	5	-	-	10	10	600	1	4
	Scilly (St. Mary's)	10.5	0	S	4	[illegible]	53	97	53	6	5	2	-	7-8	10	500	1	4
	Guernsey ...																	
6	Pembroke ...	11.1	+4	SSE	5	c	51	97	51	7	8	6	-	7-8	9	2000	1	3
7	Holyhead (Valley)	10.8	+6	S	5	c	54	85	51	7	8	6	1	7-8	9	1200	1	3
	Chester (Sealand)	12.8	+8	SE	2	bc	53	85	48	6	1	-	-	2-3	2-3	3000	0	*
8	Manchester ...	13.1	+6	S'E	3	[illegible]	52	85	48	6	1	-	-	4-6	4-6	1500	0	*
10	Spurn Head ...	14.1	+6	S'W	2	b	51	92	49	7	-	-	-	0	0	-	0	2
	Catterick ...	13.1	+12	SE	2	[illegible]	54	85	48	6	2	-	-	2-3	2-3	2500	0	*
	Tynemouth ...	12.3	+8	SSW	2	bc	54	85	48	6	5	-	-	4-6	4-6	2400	1	3
11	St. Abbs Head	10.9	+4	S	2	bc	53	85	47	7	5	7	-	4-6	4-6	3900	1	2
	Leuchars ...	10.3	+4	NNE	1	c	51	92	49	8	5	3	8	4-6	9	4000	0	*
12	Renfrew (Abbots L.)	08.8	+10	S	3	bc	54	75	47	7	2	-	1	2-3	4-6	1800	1	*
	Eskdalemuir ...	11.4	+16	S'E	2	pr	50	85	45	8	5	-	-	9+	9+	1800	1	*
	Point of Ayre...	10.5	+8	SSW	4	c	52	97	51	8	5	6	9	1	9	1000	1	2
13A	Tiree	06.2	+6	SE	4	c	49	92	47	7	5	-	-	9	9	800	0	4
13B	Stornoway ...	06.5	+14	SSE	4	c	50	92	48	8	5	7	-	7-8	9+	2000	1	2
15	Dalwhinnie ...	08.7	+6	SE	2	pr	50	85	45	7	5	-	-	9+	9+	1500	1	*
	Aberdeen † ...	11.3	+4	SE	1	[illegible]	46	97	45	3	6	2	-	9	10	700	1	1
	Wick ...	10.1	+18	SSE	4	f+	47	92	45	3	-	-	-	10	10	4150	0	*
16	Sumburgh ..	12.7	+4	SE	4	c	48	85	44	7	-	7	-	0	9+	-	0	
17	Blacksod Point	02.9	+16	S	3	bc	53	85	49	8	3	6	-	2-3	2-3	1500	1	3
18	Malin Head ...	04.4	+2	S	4	c	53	85	49	8	5	1	-	4-6	9+	2500	1	2
	Aldergrove ...	07.4	+4	SSE	4	c	52	85	48	8	5	7	-	4-6	9+	4000	1	*
19	Birr Castle ...	05.5	+6	S	3	c	56	75	48	7	5	-	-	4-6	7-8	2500	1	*
20	Valentia Obsy.	07.4	+8	S	4	c	53	85	49	8	2	5	1	4-6	7-8	2500	1	3
	Roches Point	06.5	+4	S	4	c	53	97	52	7	3	-	-	9	9	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
1	London (Kew)	65	47	34	-	Tr	9.9
	Croydon ...	67	47	43	*	Tr	10.1
	S. Farnborough	65	47	35	-	Tr	9.9
	Boscombe Down	63	48	43	-	0.5	
	Thorney Island	62	50	42	-	-	*
	Lympne ..	59	40	32	1	Tr	3.8
	Manston ...	60	46	43	2	Tr	0.5
2	Shoeburyness...	61	46	36	0.1	0.1	4.3
	Felixstowe ...	57	47	40	2	-	0.3
	Gorleston ...	55	47	40	1	-	0.5
	Mildenhall ...	58	46	35	0.2	Tr	5.8
	Cranwell ...	65	47	41	-	Tr	5.6
3	Birmingham ...	65	48	45	0.1	-	8.7
	Upper Heyford	65	49	42	-	-	*
4	Ross-on-Wye	66	51	47	-	-	10.3
5	Hartland Point	57	51	48	3	0.5	7.5
	Bristol ...	65	51	44	-	-	12.4
	Portland Bill ...	54	47	*	-	-	*
	Plymouth ...	59	51	48	1	5	8.4
	The Lizard ...	57	51	*	-	-	10.0
	Scilly (St. Mary's)	58	51	*	-	0.1	12.0
	Guernsey ...						
6	Pembroke ...	55	46	*	Tr	Tr	7.8
7	Holyhead (Valley)	59	50	49	-	1	*
	Chester (Sealand)	67	48	43	Tr	-	10.4
8	Manchester ...	65	49	43	-	-	*
10	Spurn Head ...	55	48	*	2	-	5.6
	Catterick ...	65	46	37	Tr	-	3.1
	Tynemouth ...	52	48	45	-	-	*
11	St. Abbs Head	55	47	*	1	-	
	Leuchars ...	65	47	43	Tr	-	7.8
12	Renfrew (Abbots L.)	62	51	47	0.2	Tr	3.9
	Eskdalemuir ...	62	48		-	1	8.2
	Point of Ayre...	60	49	*	Tr	0.1	10.2
13A	Tiree	58	48	*	-	-	3.4
13B	Stornoway ...	57	49	*	0.4	Tr	5.3
15	Dalwhinnie ...	59	48	42	0.2	0.1	7.7
	Aberdeen † ...	52	43	43	3	0.2	1.8
	Wick ...	52		38	1	-	*
16	Sumburgh ..	(48)	46	43	Tr	-	0.0
17	Blacksod Point	57	49	*	1	8	*
18	Malin Head ...	63	49		Tr	Tr	6.3
	Aldergrove ...	61	48	32	2	Tr	9.4
19	Birr Castle ...	63	48	44	3	0.1	7.8
20	Valentia Obsy.	60	50	46	0.4	-	
	Roches Point	57	52	*	0.6	0.4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 16th May			18h. G.M.T.			01h. G.M.T. 17th May			07h. G.M.T.		
	IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109	52	05527	46628	5-	05517	45627	5-	08408	14128	57	05682	12314
115				84	02844	20325	74	02844	08325	52	02844	14327
203	8-	61848	16428				7-	02847	16427	5-	02936	16226
206	8-	02864	18524	8-	01864	17514	9-	01864	08414	57	02864	18425
210	83	02965	14465	83	01963	47414	54	02762	12415	57	02863	12226
220	73	01845	14616	73	01844	15515				8-	03636	14628
230				8-	02957	13317	8-	02856	14226	84	02856	10326
245	58	05613	15464	53	15416	09050	5-	05528	04248	57	02764	08157
260	20	01864	18414	10	02864	17415	10	01763	17313	15	01862	17213
278	83	01734	16414	5-	02737	47427	5-	51618	15459	5-	21728	12458
279	26	02964	53514	26	02863	20515	53	01864	16314	8-	05655	15425
285	20	01854	20414									
288	20	01755	46415	86	02753	19326	57	05662	15228	04	05690	16411
575	20	10855	10285	89	81855	12286	40	01855	12385	87	25844	14286
301	2-	81856	18316	86	02854	17186	50	05661	17201	50	05661	14311
321	2-	02756	13326	27	02751	18328	40	05671	16381	00	05690	19310
299	03	41490	24343	50	05658	14325	50	05643	16213	5-	05653	
292	2-	05666	14226	4-	05665	00027	50	05563	00013	03	05590	13111
310												
614	80	05665	18225	37	02762	16225	04	05590	20283	04	05590	20103

Station	13h. G.M.T. 16th May			18h. G.M.T.			01h. G.M.T. 17th May			07h. G.M.T.		
	IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333	84	01754	18415	84	81845	16485	8-	02746	16486	5-	02747	1432
334	--	02646	24217									
340	80	25865	19387	53	01964	19485	03	01790	15214	20	01753	17314
136	29	02755	18266	19	02761	16187	03	05690	20223	00	01790	20312
336	14	01754	16415	57	02754	16417						
350	27	02854	18327	20	01952	17424	00	05690	18302	10	00751	16212
368	80	02856	16316	84	02855	18326	50	01754	06384	53	01743	12324
379	21	02844	18327	20	00852	20302	57	02745	20326	5-	02736	16316
390	23	05644	24247	23	05652	12461	00	05590	20100	00	05590	30101
382	20	02855	18327	10	00962	20313	00	00741	18212	54	01765	17216
438	87	02623	20345							57	04762	08113
430				10	00861	18312	5-	05524	04124	50	01744	14224
409	5-	01745	17525	80	02745	18486	5-	02726	16406			

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 May
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	acy	cbeby	bybobw	Kew 24 hours ended 7h. Max. Time 0.1 7-9h 16th. Min. Time 0.1 rest of period
Croydon ...	acy	cybc	bybcbrc	
Greenwich ...	c ⊕	cbc ⊕ by	bbc	
Camden Square	bc	c	*	
Kensington ...	bc	bw	*	
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	65	47	34	-	Tr	9.9	*	*
Croydon ...	67	47	43	-	Tr	10.1	*	*
Greenwich ...	69	46	33		·	8.3	52	60
Westminster ...	67	48	45	-		*	29	77
Regents Park ...								
Camden Square	69	49	43	-	-	*	*	59
Kensington ...	69	58	38	Tr	-	*	*	61
Hampstead ..							*	

SECRET

Page 1 BRITISH SECTION

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

Monday 18th May 1942

No. 29397

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

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)	16.5	-2	SW'S	3	c	61	65	48	8	8	-	8	4-6	10	1500
	Croydon	16.4	+2	S	3	c	63	55	47	8	2	-	7	2-3	10	3000
	S. Farnborough	16.2	+2	SSW	3	c	61	65	49	9	2	-	7	4-6	10	3000
	Boscombe Down	15.5	-2	S	4	c/pr	58	75	51	8	8	2	-	7-8	10	2500
	Thorney Island	16.7	+2	S'E	3	c	57	85	52	8	2	4	7	2-3	9+	2500
	Lympne	18.5	-2	SSE	1	c	58	85	50	9	1	-	6	Tr	9+	2500
	Manston	17.5	+2	S	3	c	65	55	46	8	1	-	6	Tr	9+	2500
2	Shoeburyness	16.9	0	S'E	3	c	64	65	53	8	8	-	6	2-3	9+	2500
	Felixstowe	17.4	+6	SSE	4	c	58	75	49	8	2	-	6	2-3	9+	2500
	Gorleston	17.1	+4	S'W	4	bc	53	85	47	6	2	4	-	4-6	4-6	2500
	Mildenhall	15.8	-2	S	4	c	68	45	47	8	2	-	6	4-6	9+	2500
	Cranwell	14.5	-2	S	3	c	65	45	45	8	2	-	8	7-8	9	3000
3	Birmingham	13.5	-8	SSE	3	c	62	55	47	8	8	-	-	9+	9+	2500
	Upper Heyford	14.3	-8	S'W	4	c	62	65	47	8	2	6	6	4-6	9+	2500
4	Ross-on-Wye	13.9	0	S	4	c	60	75	52	7	2	1	*	7-8	10	3000
5	Hartland Point	12.0	+2	S	3	ir	55	85	49	8	5	1	-	9	10	2000
	Bristol	15.3	+6	S'W	3	pr	55	92	53	6	9	-	-	7-8	10	800
	Portland Bill	15.3	+2	S	5	rr	51	92	48	7	5	-	-	10	10	2500
	Plymouth	13.9	0	S'W	3	rr	52	97	52	6	5	-	-	10	10	600
	The Lizard	12.9	-8	SSE	5	rr	51	97	51	6	5	-	-	10	10	800
	Scilly (St. Mary's)	09.2	-16	SSE	5	r°r°	52	97	52	6	5	2	-	7-8	10	1200
	Guernsey															
6	Pembroke	11.8	+6	S'E	4	r°r°	51	97	51	7	8	-	-	10	10	2000
7	Holyhead (Valley)	11.0	+2	S	3	pr	53	85	48	6	8	-	-	10	10	1500
	Chester (Sealand)	12.1	-4	S'E	3	c	65	55	48	8	8	1	2	4-6	9+	3500
8	Manchester	12.9	-4	S'E	4	c	63	55	47	8	2	6	3	4-6	7-8	2500
10	Spurn Head	14.7	-8	SSW	4	bc	64	55	44	7	2	4	2	4-6	4-6	2500
	Catterick	12.7	-2	S	4	z°	65	45	45	6	2	-	-	9	9	2500
	Tynemouth	13.5	+4	SE	3	bc	52	85	48	6	2	-	-	4-6	4-6	2000
11	St. Abbs Head	11.5	+2	ESE	3	c	56	75	49	7	7	-	-	7-8	7-8	3000
	Leuchars	10.8	-6	SSE	4	bcjp	65	55	49	9	8	6	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	10.2	+2	S	3	c/pr	59	55	44	8	9	-	-	9+	9+	2000
	Eskdalemuir	11.2	+2	SSW	4	c	61	55	45	8	8	1	-	9	9	2500
	Point of Ayre	11.3	+2	S'E	3	ir°	54	97	53	7	6	1	-	7-8	10	1200
13A	Tiree	07.5	+2	SE'S	4	c	53	85	49	7	5	-	-	9+	9+	1800
13B	Stornoway	07.1	+8	S	4	c/pr	56	85	51	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	10.1	+8	S	4	c	56	75	47	7	5	7	2	4-6	7-8	2500
	Aberdeen	11.9	+4	S	4	b	59	75	50	7	3	-	3	1	1	2500
	Wick	10.3	-2	SE	4	z°	55	85	49	6	3	7	-	4-6	4-6	2500
16	Sumburgh	13.2	+2	SE	4	c	51	85	46	7	5	9	-	Tr	9	1200
17	Blacksod Point	05.8	+10	S	3	c/r	55	85	51	8	2	-	-	9	9	2500
18	Malin Head	05.8	+10	S	3	r/tlr	55	85	51	8	8	-	-	9	9	2500
	Aldergrove	08.0	0	SSE	5	c/pr	57	75	48	8	3	7	3	4-6	9	1800
19	Birr Castle	06.2	+2	SSW	4	c	61	65	50	7	8	-	*	7-8	7-8	1500
20	Valentia Obsy.	05.0	-4	S'W	4	c	58	85	54	9	2	4	3	4-6	9	2500
	Roches Point	07.3	0	S	4	rr	52	97	52	7	6	2	*	7-8	10	800

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15.5	-4	S	3	c	59	65	46	8	-	7	8	0	9	-	1	*
Croydon	15.8	-6	S'W	3	c	60	55	44	8	-	4	6	0	9	-	0	*
S. Farnborough	15.3	-4	S'E	3	c	59	65	49	9	-	7	9	0	7-8	-	1	*
Boscombe Down	15.2	-2	SSE	4	id°	55	85	51	6	4	2	-	7-8	10	1000	1	*
Thorney Island	15.3	-12	SE	3	c	58	75	47	9	5	-	7	7-8	10	5700	1	*
Lympne	17.8	-4	SE	1	c	55	85	49	8	-	4	2	0	9	-	1	5
Manston	12.0	+2	SE'S	1	c	56	75	48	8	-	7	6	0	7-8	-	1	*
Shoeburyness	16.5	-4	S	2	c	60	65	50	8	-	7	-	0	9	-	0	*
Felixstowe	16.9	-2	SSE	3	c	55	75	49	8	1	4	6	Tr	9	2500	0	2
Gorleston	17.1	0	SW'S	5	c	56	75	48	7	5	4	-	7-8	7-8	2500	0	4
Mildenhall	15.1	-2	S	3	c	64	55	46	8	7	7	8	1	9+	2500	0	*
Cranwell	14.0	0	SSW	4	c	62	65	48	8	4	7	-	Tr	10	2000	0	*
Birmingham	12.9	-4	S	3	c	56	92	54	8	8	7	*	7-8	9+	1500	1	*
Upper Heyford	13.8	-6	S'W	4	c	59	65	48	8	4	7	7	4-6	9+	1800	1	*
Ross-on-Wye	12.7	-10	S	3	id°	56	85	51	7	5	1	*	9+	10	2000	0	*
Hartland Point	09.1	-16	SSE	3	ir	53	92		7	5	2	-	7-8	10	1500	1	4
Bristol	14.2	0	S	3	ir°	55	85	49	8	8	2	-	9+	10	2200	1	*
Portland Bill	14.7	-4	SE	4	rr	51	92	48	7	5	-	-	10	10	2500	1	4
Plymouth	11.3	-18	SE	4	rr	53	97	52	6	5	-	-	9	10	800	1	3
The Lizard	08.5	-28	SSE	5	rr	52	97	52	6	5	-	-	10	10	800	1	5
Scilly (St. Mary's)	04.8	-34	S'E	6	rr	53	97	53	5	6	-	-	10	10	400	1	4
Guernsey																	
Pembroke	09.1	-10	SE'S	6	ir	51	97	50	7	8	6	-	9	10	2000	1	3
Holyhead (Valley)	09.7	-12	SE'S	3	r°r°	53	97	51	7	6	2	-	4-6	10	500	1	3
Chester (Sealand)	11.6	0	SSE	3	ir°	57	85	51	8	5	2	-	7-8	10	2500	1	*
Manchester	12.4	+2	S'E	4	pr	54	92	52	7	9	-	-	10	10	2500	1	*
Spurn Head	14.2	-2	SE	4	c	52	85	48	7	7	2	-	7-8	10	2500	0	3
Catterick	12.5	+12	SSW	3	r°r°	56	85	53	6	5	2	-	7-8	10	2000	1	*
Tynemouth	12.4	-2	SSE	3	c	51	85	48	6	8	-	-	7-8	7-8	2000	0	3
St. Abbs Head	10.8	0	ESE	2	c/pr	55	75	49	7	5	1	-	7-8	10	2500	1	3
Leuchars	10.4	+2	SSE	3	ir°	61	75	54	7	6	2	-	2-3	10	1200	0	*
Renfrew (Abbots I.)	10.1	-6	S	3	c	56	75	48	8	7	2	-	7-8	10	2000	1	*
Eskdalemuir	11.4	+2	WSW	3	r°r°	52	85	49	7	6	2	-	4-6	10	1400	1	*
Point of Ayre	10.3	-6	S	3	r°r°	50	97	50	7	6	2	-	4-6	10	1500	1	
Tiree	07.9	0	SSE	2	bc	54	85	50	8	5	-	-	2-3	2-3	2500	0	3
Stornoway	07.1	0	S	5	c/pr	51	92	49	7	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	10.3	+2	S	3	pr	50	92	48	7	5	-	2	7-8	9+	2500	1	*
Aberdeen	11.6	+2	SSW	3	ir°	54	75	48	6	5	7	-	7-8	10	2400	1	1
Wick	10.2	-2	SE'S	3	cjp	53	75	46	7	9	6	-	7-8	9+	2500	0	*
Sumburgh	12.5	-2	SE'S	4	z°	49	92	47	6	5	-	1	2-3	2-3	800	0	4
Blacksod Point	05.0	-2	WSW	3	bc	57	85	53	8	2	-	5	2-3	2-3	4000	1	2
Malin Head	05.8	-2	ESE	2	c/r	54	85	50	8	6	2	-	4-6	10	2500	1	2
Aldergrove	07.7	-2	SSE	4	ir°	54	85	48	8	8	7	6	2-3	9+	1200	1	*
Birr Castle	05.7	-6	S	1	ir°	53	85	49	7	6	2	-	4-6	10	800	1	*
Valentia Obsy.	13.6	-10	S'W	3	pr	55	85	51	9	5	7	*	4-6	9	1500	1	5
Roches Point	04.4	-20	SSE	4	dr	52	97	52	6	5	*	-	10	10	450	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 17th (39)	Weather 13h.—18h. 17th (40)	Weather 18h. 17th to 1h. 18th (41)	Weather 1h.—7h. 18th (42)
London (Kew)	cwcc ⊕	ccir°c	ccir°	ccr°ir°
Croydon	bbccyv	cbcy	cr°r°d°	cir°
S. Farnborough	bbccv	cir°bcv	bccr°r°rcbc	bccir°r°r°c
Boscombe Down	cpr°	cpr°, ir	cid°r°cm°	cm°cir°
Thorney Island	bcc	cir°c	ccr°cm°	cm°r°r°c
Lympne	bbcc ⊕	c	[illegible]	ccyc
Manston	b, cy	cyebc	bccid°	cwr°
Shoeburyness	bm°bcc ⊕	cvc	cir°	cmcm°r
Felixstowe	bm°bcc	c	ccir°cm°	cm°cir°
Gorleston	bcz°	c	cr°r°	cpr°
Mildenhall	ccy	cy	cor°r°m°	cir°
Cranwell	bc	cyc	cm°r°	or°c
Birmingham	bcc	cpr		oir°
Upper Heyford	cm°bcc	cycir°	cr°rrm°	cm°ir°
Ross-on-Wye	c	dr°cc	drr	cr°r°
Hartland Point	cmpirc	cp°irc	rrirc	ir rr
Bristol	cpR	cir°	cr°r°, cm°	cm°rrc
Portland Bill	crr	orr	orrc	orrc
Plymouth	cm°r°r°	cm°r°r°	crrr°r°m°	rrr°rcir°
The Lizard	or°rr	orr	rrprc	rro
Scilly (St. Mary's)	cr°r°	corr	r°r°rrprf	orfrc
Guernsey				
Pembroke	cr°r°m°	m°rr crr	cirm°q [illegible]	orrff
Holyhead (Valley)	cprm°	cr°r°m°	crrm°	ddfrr
Chester (Sealand)	b, cm°y ⊕	ycpr°z°	cr°rrm°c	cir°m°
Manchester	bcm°y	cpr°	crrm°	qcrrm°
Spurn Head	c	c	cm°rr	c
Catterick	cm°bccm°	cqprr°	crrm°	or°mcm
Tynemouth	bc	bcc	coir°	oirm°
St. Abbs Head	cz°ccm°	cm°pr°c	cmfr	frc
Leuchars	bcjpy	bcjpyc	RRm°	rrcr°m°
Renfrew (Abbots I.)	cpr°prc	prPRc	rrr°r°rr	d°d°r°r°
Eskdalemuir	cpr°c	cpr°r°	or°r°	orrR°
Point of Ayre	cbcir°	ir°r°r°	r°r°rrc	rr°
Tiree	cir°	cir°	corr	orr
Stornoway	cpr	cpr	cpr	cpr
Dalwhinnie	cpr	cpr	cz°	cpr°
Aberdeen	cffb	bcir°		comrr
Wick	hcm°	cm°pr°c	Prcrr	crrm°
Sumburgh	cpr°tlrc	cbc	bcm°	bcc
Blacksod Point	ctlrc	bc	bc	bc
Malin Head	ctlrc	r	r	r
Aldergrove	cpr°pr°	pr°ccir°	r°r°	rrr°r°m°c
Birr Castle	bcc	r	*	c
Valentia Obsy.	cprc	pr	pr	d
Roches Point	cprrr.	r	r	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 18th May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate or light south to southwest wind. Mainly cloudy; rain at times; fair intervals. Rather warm and close.
5 S.W. England; 6 South Wales	Light variable to southwest wind. Mainly cloudy; occasional rain. Some coast and hill fog; mild.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate south wind, veering west to southwest. Cloudy; occasional rain, local thunder; fair periods later. Average temperature.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Light variable wind becoming southwest to south. Cloudy or dull with rain at first; local thunder: mainly fair later. Average temperature.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate east wind, becoming variable, light, and finally southwest to south. Cloudy or dull with rain at first; local thunder; fair later. Average temperature.
16 Orkneys and Shetlands	As 13B–15
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Light variable wind becoming southerly. Bright intervals, local thunderstorms. Cloudy with more general rain later. Average temperature.

GENERAL INFERENCE

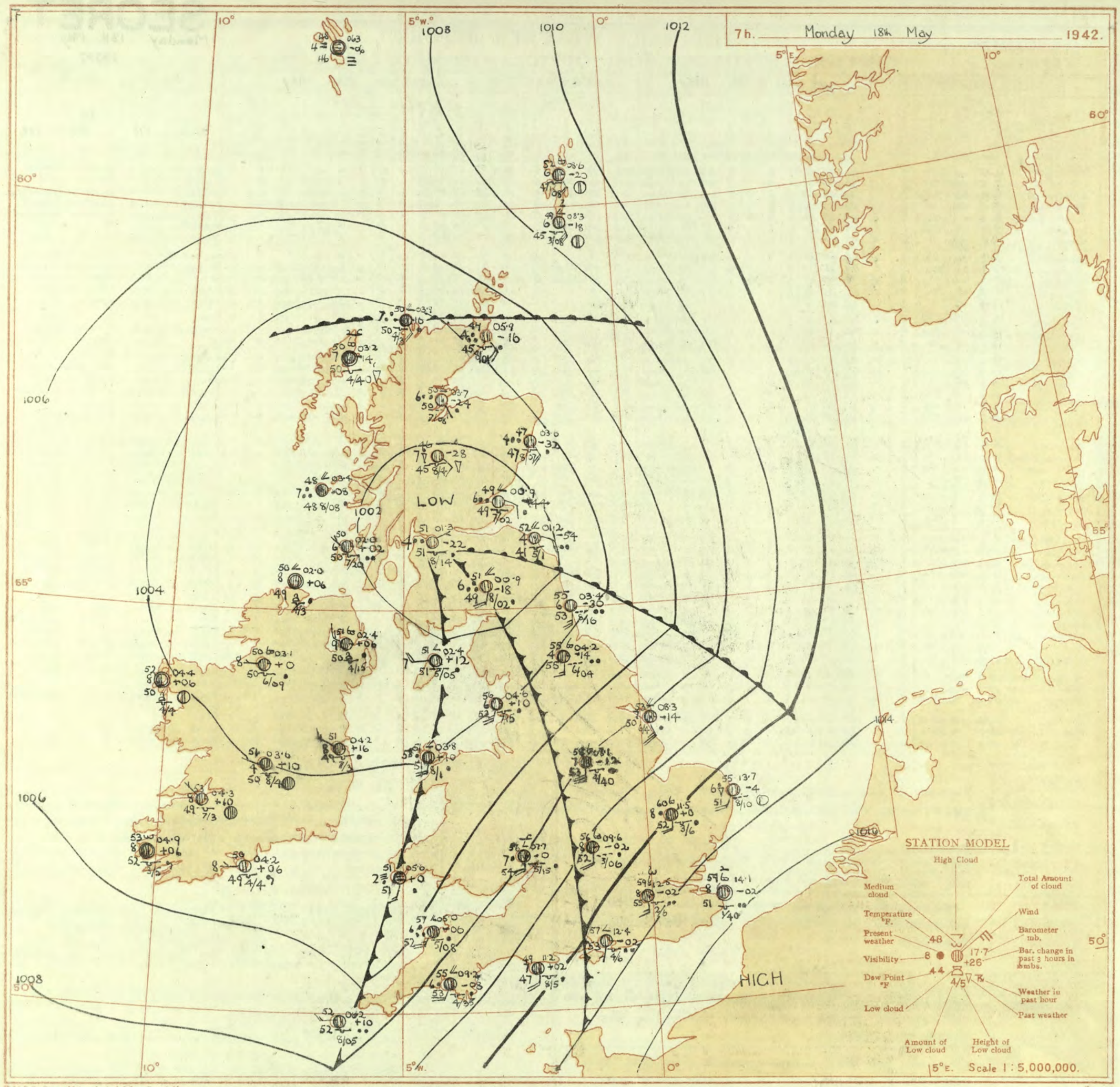
A depression centred over South Scotland is deepening and moving quickly northwards, and feeble troughs of low pressure are moving slowly east across England. Weather will be mainly cloudy and mild with rain at times in most districts, but there will also be considerable fair periods.

FURTHER OUTLOOK

Continuing mild and unsettled with rain at times in most districts.

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.

Page 4.

BRITISH SECTION

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

Monday 18th May 1942

No. 29397

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

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	13·8	-18	SSE	3	c/d	57	75	49	7	5	7	-	7-8	7-8	3000
	S. Farnborough	226	12·5	-18	SSE	3	bc	52	85	48	8	5	-	6	2-3	4-6	1500
	Boscombe Down	417	12·2	-18	SSE	4	=o	54	92	52	6	5	7	-	7-8	9+	2200
	Thorney Island	10	13·1	-14	SSE	3	c	56	85	51	6	5	1	-	1	9+	4000
	Lympne	283	16·4	-10	ESE	2	c	56	75	49	7	5	7	-	9	10	3700
	Manston	154	15·4	-14	SES	2	c	53	92	51	7	-	7	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·4	-10	SE	4	c/r	54	85	49	6	5	-	-	10	10	5100
	Gorleston	5	16·2	-10	S	2	rofo	51	85	47	5	6	-	-	10	10	1500
	Mildenhall	15	13·7	-14	SE	3	ifo	52	97	51	6	-	2	-	10	10	4100
	Cranwell	203	11·8	-18	SE	5	rofo	52	92	50	6	-	2	-	10	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·9	-22	S'W	4	c/r	53	92	51	6	5	-	-	10	10	2400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·4	-4	SW	4	ir	55	92	53	7	5	2	-	7-8	10	1500
	Bristol	209	10·5	-14	SSW	4	zo	56	85	53	6	6	7	-	7-8	10	1400
	Portland Bill	32	12·1	-6	SE	4	c	48	92	46	7	5	-	-	10	10	2500
	Plymouth	82	10·0	-4	SSW	5	rofo	55	97	54	6	5	-	-	10	10	1200
	The Lizard	240	08·2	0	S'E	6	c/pr	53	97	53	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	06·5	0	SSW	4	rf	54	97	54	2	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	05·6	+8	SSW	6	rofo	52	97	51	6	8	2	-	7-8	10	1500
7	Holyhead (Valley)	32	02·5	-42	SE	5	dd	53	97	52	6	6	2	-	9	10	1000
	Chester (Sealand)	16	05·7	-36	SE	4	fofo	54	92	52	5	6	2	-	9	10	800
8	Manchester	235	07·3	-36	SSE	5	rr	54	92	52	6	6	2	-	4-6	10	1800
10	Spurn Head	29	13·2	-10	SSE	5	rr	51	92	49	6	-	2	-	10	10	1500
	Catterick	175	09·4	-30	SSE	4	rr	53	97	52	5	-	2	-	10	10	1200
	Tynemouth	108	11·1	-10	SE	4	ifo	50	92	48	6	-	2	-	10	10	1500
11	St. Abbs Head	280	08·9	-18	S	4	rf	48	97	48	2	-	-	-	10	10	<150
	Leuchars	36	08·3	-24	SSE	4	rr	51	97	51	5	5	2	-	9	10	1000
12	Renfrew (Abbots I.)	19	07·1	-24	E'S	2	rr	51	92	50	6	5	2	-	9	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	05·0	-34	SE'S	4	rr	50	97	50	7	6	2	-	7-8	10	1000
13A	Tiree	22	06·3	-16	SSE	2	fofo	49	97	48	7	-	2	-	10	10	1500
13B	Stornoway	80	06·6	-10	ESE	2	pr	50	92	48	7	5	7	-	7-8	9	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	09·1	-22	SE	2	c/r	49	97	47	5	6	2	-	4-6	10	2500
	Wick	114	09·4	-10	SE	3	rr	48	92	46	6	6	2	-	10	10	900
16	Sumburgh	19	12·3	-6	SE	3	zo	48	92	43	6	5	3	-	7-8	7-8	700
17	Blacksod Point	18	04·1	-6	E	2	bc	53	85	49	8	8	-	-	4-6	4-6	2500
18	Malin Head	84	04·0	-14	-	0	ifo	51	92	49	7	8	2	-	4-6	10	1500
	Aldergrove	268	04·3	-24	SSE	2	rr	50	97	49	6	-	2	-	10	10	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·2	+2	N	1	c	52	97	51	7	5	1	-	10	10	1500
	Roches Point	22	03·7	+2	S	3	dd	52	97	51	5	5	-	-	10	10	450

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

Stations	Barom. at M.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)	11·8	-4	SSW	3	c	58	85	53	8	5	7	-	7-8	9+	4000	1	*
Croydon	11·2	-2	S	3	c/r	59	92	57	8	5	9	1	1	9+	3500	1	*
S. Farnborough	11·3	-2	S'W	3	c	58	85	53	8	5	7	+	4-6	10	2500	1	*
Boscombe Down	11·0	-4	S	4	c	56	92	53	8	5	7	-	4-6	7-8	3000	1	*
Thorney Island	12·4	-2	S'W	1	c/r	57	85	53	9	5	1	-	4-6	9+	4000	1	*
Lympne	16·1	+8	SE	1	c	57	85	51	8	-	7	6	0	9+	-	1	§2
Manston	14·1	-2	-	0	c/r	59	75	51	8	5	7	5	Tr	9+	4000	1	*
Shoeburyness	14·2	+2	S	3	c/r	57	92	55	6	5	7	-	7-8	10	2700	1	*
Felixstowe	13·8	+2	SSW	3	ifo	56	85	51	7	5	-	-	10	10	5700	1	2
Gorleston	13·7	-4	SW'S	4	pr	55	85	51	6	6	-	-	10	10	1000	1	4
Mildenhall	11·5	0	S	4	ifo	60	75	52	8	5	7	-	2-3	10	4000	1	*
Cranwell	08·1	-12	S	6	c	58	85	53	7	5	7	-	4-6	10	4000	1	*
Birmingham	07·6	0	SSW	4	q/r	55	92	53	8	6	-	-	10	10	800	1	*
Upper Heyford	09·6	-2	S	4	c	56	85	53	8	6	7	-	2-3	9+	600	1	*
Ross-on-Wye	07·7	0	S	4	ifo	56	92	54	7	6	1	8	7-8	9+	1500	1	*
Hartland Point	05·0	-6	SW	5	rr	57	85	52	6	6	2	-	7-8	10	800	1	5
Bristol	10·0	+4	S	3	c	57	85	52	8	6	7	-	4-6	10	1500	1	*
Portland Bill	11·2	+2	S	4	o	49	92	47	7	5	-	-	10	10	2500	1	4
Plymouth	09·2	-8	SSW	4	ifo	55	92	53	6	5	2	-	4-6	10	3500	1	4
The Lizard	07·7	-2	SSW	5	o	54	92	52	7	5	-	-	10	10	1000	1	5
Scilly (St. Mary's)	06·2	+10	W'S	3	o/r	52	97	52	6	5	-	-	10	10	500	1	4
Guernsey																	
Pembroke	05·6	0	SSW	3	rf	51	97	51	2	-	-	-	10	10	<150	1	3
Holyhead (Valley)	03·8	+10	SSW	4	fofo	51	97	51	5	-	2	-	10	10	200	1	3
Chester (Sealand)	05·3	+4	S'E	2	ifo	57	85	53	6	5	2	-	2-3	9+	2000	1	*
Manchester	05·6	-2	S	4	ifo	56	85	50	6	6	2	-	7-8	10	800	1	*
Spurn Head	08·3	-14	S'E	5	c	53	92	50	7	-	2	-	9	9	1500	1	4
Catterick	04·2	-14	S	3	m/r	55	97	55	4	6	7	-	9	9+	400	1	*
Tynemouth	03·4	-30	S	5	o/f	55	97	53	6	6	-	-	10	10	1600	1	4
St. Abbs Head	01·2	-14	ESE	4	m/f	52	65	41	4	5	2	-	7-8	10	220	1	4
Leuchars	00·9	-44	ESE	2	fofo	49	97	49	6	5	2	-	9+	10	200	2	*
Renfrew (Abbots I.)	01·3	-22	NE'E	1	fofo	51	97	51	4	5	-	-	10	10	1400	1	*
Eskdalemuir	00·9	-18	S'W	4	rr	51	92	49	6	-	2	-	10	10	200	1	*
Point of Ayre	02·4	+12	WSW	4	c	51	97	51	7	6	2	-	7-8	10	300	1	
Tiree	03·4	-8	-	0	rr	48	97	48	7	-	2	-	10	10	800	1	3
Stornoway	03·2	-14	-	0	c	50	97	50	7	5	7	7	4-6	10	4000	1	1
Dalwhinnie	02·0	-28	SE	2	pr	46	97	45	7	5	-	-	10	10	1500	1	*
Aberdeen †	03·6	-32	SE'S	4	fofo	47	97	47	4	5	-	-	10	10	700	1	3
Wick	05·9	-16	SE	4	rr	47	92	47	4	5	-	-	10	10	600	1	*
Sumburgh	08·3	-18	SE	5	zo	49	85	45	6	5	2	6	2-3	10	800	0	4
Blacksod Point	04·4	+6	-	0	bc	52	92	50	8	8	-	-	4-6	4-6	1500	1	0
Malin Head	02·0	+6	-	0	c	50	97	48	8	8	2	-	4-6	10	800	1	1
Aldergrove	02·4	+6	NW'W	3	c	51	97	50	9	8	7	-	4-6	9	1500	1	*
Birr Castle	03·6	+10	WNW	1	m	51	97	50	4	5	-	-	10	10	1500	1	*
Valentia Obsy.	04·9	+6	-	0	c	53	97	52	8	5	3	-	2-3	7-8	2500	1	1
Roches Point	04·2	+6	W	1	bc	50	97	49	8	5	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
London (Kew)	64	56	52	Tr	0·5	6·4
Croydon	64	55	52	-	0·1	7·6
S. Farnborough	65	54	50	Tr	0·4	6·2
Boscombe Down	59	51	51	0·1	1	1·5
Thorney Island	60	53	50	Tr	1	*
Lympne	62	53	53	-	0·4	10·1
Manston	69	52	49	-	Tr	10·6
Shoeburyness	65	54	51	-	0·4	8·7
Felixstowe	60	52	51	-	0·1	11·0
Gorleston	58	51	47	-	0·5	9·8
Mildenhall	68	52	51	-	1	7·7
Cranwell	67	51	50	-	2	8·8
Birmingham	63	53	51	1	5	4·6
Upper Heyford	63	53	51	0·4	5	*
Ross-on-Wye	62	53	52	1	7	2·2
Hartland Point	57	52	51	2	11	0·8
Bristol	61	53	52	3	3	2·0
Portland Bill	51	47	*	2	6	*
Plymouth	54	52	51	6	7	0·0
The Lizard	55	50	*	13	6	0·0
Scilly (St. Mary's)	54	51	*	8	11	0·0
Guernsey						
Pembroke	52	46	*	9	16	0·2
Holyhead (Valley)	57	49	49	6	12	*
Chester (Sealand)	65	54	52	1	3	4·9
Manchester	65	57	51	2	6	*
Spurn Head	66	50	*	-	2	9·5
Catterick	67	52	51	1	10	8·8
Tynemouth	56	47	46	-	6	*
St. Abbs Head	60	46	*	Tr	12	*
Leuchars	65	49	49	Tr	16	7·5
Renfrew (Abbots I.)	61	50	49	2	15	2·3
Eskdalemuir	61	48	48	1	18	4·0
Point of Ayre	57	49	*	2	10	2·0
Tiree	56	48	*	4	5	6·7
Stornoway	58	48	*	2	Tr	7·1
Dalwhinnie	59	45	44	4	4	4·5
Aberdeen †	59	46	44	Tr	8	7·0
Wick	55	46	45	1	7	*
Sumburgh	51	47	43	0·2	-	1·2
Blacksod Point	59	47	*	2	Tr	*
Malin Head	59	48		2	3	6·3
Aldergrove	59	49	38	0·1	13	3·2
Birr Castle	64	48	47	1	7	7·8
Valentia Obsy.	61	51	49	Tr	3	1·4
Roches Point	54	49	*	8	5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 17th May $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 18th May $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	07	06690	14412	87	05754	14415				62	64526	11468
115	87	81844	24186	87	25744	08387	87	02844	12287	52	64734	12468
203				9-	61837	16427	5-	02948	00028	6-	53838	08128
206	87	81866	18486	87	25865	18387	57	61746	00068	62	62687	12168
210	86	02965	16416	86	25955	14387	52	62655	06168	02	62648	08268
220										50	58428	19158
230	8-	02857	12387	8-	02946	15487	5-	62748	00068	52	64847	02168
245	26	00752	14413	42	05662	18288	02	62658	08168	02	58628	12468
260	80	01853	·7514	52	02864	50488	5-	62738	13168	5-	62458	04268
275	5-	61648	47468	62	64634	12468	02	64618	14468	62	52626	26268
279	21	02855	18428	62	62648	20368	62	64545	06268	62	21627	51668
285												
288	20	01755	16315	82	81745	50488	02	65658	14468	62	02744	14428
575	2-	02855	18285	82	62748	14268	52	62746	00068	57	02836	24167
301	24	02763	16427	62	62636	16288	62	64545	47568	5-	05647	18567
321	20	02855	17425	82	25754	18488	02	64668	14468	52	02747	16468
299	10	01764	16204	41	02754	16316	5-	62748	20368	5-	64648	16468
292	2-	05655	15315	82	81755	51388	02	64555	12368	62	22547	15468
310												
614	20	02755	16226	07	61790	18288	62	64645	14368	52	61646	18328

III	13h. G.M.T. 17th May $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 18th May $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	62	62745	16368	62	64687	14368	62	61636	49568	5-	64628	18368
334										--	64547	20268
340	80	02955	15427	52	81846	17488	52	22637	48568	02	62728	17568
136	20	02865	19316	81	02861	16387	52	62776	16468	07	61790	16468
236										62	64526	16468
350	26	02855	16427	27	02853	16427	5-	61558	47468	07	61890	49468
368	52	62844	16388							52	02746	17268
379	2-	25847	16487	8-	02857	49487	5-	22648	47568	52	22826	55568
390	20	02855	16328	07	02790	16317	5-	51568	14268	59	61668	15264
382	82	02856	50428	17	62843	17368	5	22768	14368	57	22864	17468
438	21	02733	22126							77	02853	18314
430	53	02844	12328	03	02890	10367	52	22863	18364	59	22864	14267
409	5-	62638	16468	62	64646	14468	62	61528	18568	62	64627	17568

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th May
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	cwcc⊕	cdc°c	cic°ric	
Croydon	bbcey	cbey	ec°dcic	
Greenwich	bcc⊕	c⊕y	ccrcic	
Camden Square	b	c	*	
Kensington	bc	bc	*	
Hampstead				

Kew 24 hours ended 7h. Max. Time: <0·1 whole period. 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	64	56	52	Tr	0·5	6·4	*	*
Croydon	64	55	52	-	0·1	7·6	*	*
Greenwich	67	55	49	-	1	6·9	54	77
Westminster	65	58	54	1			73	91
Regents Park	67	48	43	-	1		69	68
Camden Square	68	57	54	-	1	*	*	80
Kensington	67	57	53	-	1		53	81
Hampstead							*	

SECRET

Page 1

BRITISH SECTION

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

Tuesday 19th May 1942

No. 29398

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	09.8	-12	SSW	3	c/r	63	75	56	8	8	7	-	7-8	9+	2500
	Croydon ...	10.0	-14	SSW	3	c/r	68	65	55	8	8	9	6	4-6	9+	4000
	S. Farnborough	09.6	-6	S'W	3	c/r	65	68	55	9	7	9	-	7-8	10	2500
	Boscombe Down	09.8	-2	S'W	5	c	63	75	55	8	9	7	-	4-6	9+	3500
	Thorney Island	10.7	-2	S'W	3	c	59	85	54	9	8	8	-	7-8	9+	4000
	Lympne ...	11.0	-28	SSE	1	c/pr	67	68	54	8	2	9	-	4-6	9+	6000
	Manston ...	09.7	-34	SSE	2	pr	67	65	55	8	2	9	6	4-6	9+	7200
2	Shoeburyness ...	10.6	-18	S	3	c	66	75	57	8	8	7	1	7-8	9+	3100
	Felixstowe ...	10.3	-28	ESE	2	c	60	75	52	7	5	7	-	9	9+	4000
	Gorleston ...	11.5	-14	SSW	3	c/r	52	85	48	6	5	-	-	10	10	1500
	Mildenhall ...	09.5	-16	S	3	c	66	85	60	8	5	7	-	4-6	10	5700
	Cranwell ...	09.5	-8	S	5	fr	61	85	57	7	5	2	-	7-8	10	2000
3	Birmingham ...	09.4	-6	S	3	ir	59	85	55	7	6	2	-	7-8	10	800
	Upper Heyford	08.2	-6	S'W	4	c	63	75	54	7	6	7	-	2-3	10	2000
4	Ross-on-Wye	07.1	-8	S	3	c/r	59	92	56	7	6	1	-	4-6	10	1500
5	Hartland Point	07.4	+18	W	3	rf	52	97	51	2	-	-	-	10	10	<150
	Bristol ...	09.0	+2	S	2	c	59	85	54	8	5	7	-	9	10	1500
	Portland Bill ...	10.4	-4	S	4	c	54	92	52	8	5	-	-	10	10	2500
	Plymouth ...	08.5	-2	SSW	4	rr	54	97	52	6	5	-	-	10	10	600
	The Lizard ...	08.2	+8	W'N	5	rf	52	97	52	2	5	-	-	10	10	400
	Scilly (St. Mary's)	08.3	+14	WNW	4	fr	53	97	52	7	5	2	-	7-8	10	500
	Guernsey ...															
6	Pembroke ...	06.0	+4	W	3	rf	51	97	50	3	-	-	-	10	10	<150
7	Holyhead (Valley)	05.7	+10	SW'S	2	c	52	97	52	8	8	4	-	9	9+	2000
	Chester (Sealand)	05.3	0	NW'W	3	rr	55	92	54	6	6	2	-	7-8	10	600
8	Manchester ...	05.3	-6	SW	1	RR	56	97	56	5	6	2	-	9	10	200
10	Spurn Head ...	07.3	-6	S	5	ir	61	85	55	7	8	2	-	4-6	10	1500
	Catterick ...	05.0	+2	SSW	3	c/r	60	75	53	7	5	1	-	2-3	9+	1500
	Tynemouth ...	04.2	+4	SW	4	c	61	75	53	6	8	-	-	9+	9+	1600
11	St. Abbs Head	01.8	+12	SW	4	c/pr	55	85	49	8	5	7	-	7-8	9	2000
	Leuchars ...	00.9	+14	W	3	c/p	57	75	50	8	8	3	-	4-6	9	1500
12	Renfrew (Abbots I.)	03.2	+14	WNW	3	c/pr	55	85	49	7	5	2	-	9+	10	1000
	Eskdalemuir ...	02.8	+8	SSW	3	ir	52	92	50	6	6	2	-	7-8	10	300
	Point of Ayre ...	04.6	+8	WNW	3	c	60	97	59	8	1	-	6	1	7-8	3500
13A	Tiree ...	04.6	+8	NW'N	1	c	53	85	49	7	5	-	-	9+	9+	800
13B	Stornoway ...	02.0	-2	W	3	c	55	85	50	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	00.5	+4	W	3	c	51	75	44	8	5	-	-	Tr	9+	1500
	Aberdeen ...	00.3	-4	W	2	c	53	92	50	6	9	7	-	2-3	9+	1100
	Wick ...	00.5	-16	SE	3	ir	49	92	48	7	5	-	-	10	10	500
16	Sumburgh ...	02.5	-46	ESE	7	rr	47	97	47	5	6	2	-	9+	10	500
17	Blacksod Point	06.3	+10	W'S	2	c	58	75	51	8	8	3	-	4-6	9	2500
	Malin Head ...	09.6	+14	W'N	3	c	54	85	50	8	8	7	-	4-6	9+	1500
	Aldergrove ...	04.4	+8	SW	2	c	62	65	50	9	2	6	6	4-6	7-8	3000
19	Birr Castle ...	05.6	+2	WNW	2	pr	61	65	50	7	8	2	-	7-8	10	800
20	Valentia Obsy.	07.7	+20	W	3	bc	57	75	50	9	2	4	1	2-3	2-3	2500
	Roches Point	06.5	+14	S	2	c	57	92	55	8	8	-	-	9	9	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	07.7	-12	SSW	4	c/tlr	60	85	55	8	5	4	3	9	9+	1500	1	*
	Croydon ...	08.6	-14	S	4	bc/r	60	85	55	8	2	7	-	4-6	4-6	2000	1	*
	S. Farnborough	08.1	-14	SSW	4	r	59	85	55	8	5	-	-	9+	9+	2000	1	*
	Boscombe Down	09.0	0	WSW	4	r	56	92	53	8	5	2	-	9	10	800	1	*
	Thorney Island	19.8	-8	SSW	5	c/pr	56	92	54	7	5	2	-	9+	10	800	1	*
	Lympne ...	11.3	+6	SSW	2	c/r	60	75	53	8	2	6	-	4-6	7-8	4000	1	*
	Manston ...	09.6	+10	SW'W	3	pr	61	75	53	8	3	6	3	7-8	9+	5000	1	*
2	Shoeburyness ...	09.3	-6	SSW	4	c	61	85	58	8	8	7	-	2-3	7-8	3000	1	*
	Felixstowe ...	08.4	-12	SW	5	c/r	61	85		7	7	7	-	9	9+	2500	1	2
	Gorleston ...	08.9	-8	S	2	ir	54	92	51	6	5	-	-	10	10	1500	1	3
	Mildenhall ...	06.6	-22	SSW	3	ir	65	75	54	8	8	7	-	4-6	9+	3500	1	*
	Cranwell ...	04.8	-24	S'W	5	ir	59	85	54	7	5	2	-	2-3	10	2500	1	*
3	Birmingham ...	05.6	-4	SW	3	rr	55	92	53	6	6	2	-	7-8	10	800	1	*
	Upper Heyford	06.4	-6	ESE	4	iR	57	92	55	7	6	2	-	9	10	500	1	*
4	Ross-on-Wye	07.4	+10	SW'W	3	rr	55	97	54	6	6	2	-	9	10	1500	1	*
5	Hartland Point	09.1	+14	WSW	4	F+	51	97	50	1	-	-	-	10	10	<150	1	4
	Bristol ...	09.7	+12	W'S	4	fr	53	97	52	6	-	2	-	10	10	400	1	*
	Portland Bill ...	10.4	-12	SW	5	c	52	92	50	8	2	4	-	4-6	7-8	4000	1	4
	Plymouth ...	11.9	+32	W	4	z	53	97	53	7	5	-	-	10	10	800	1	4
	The Lizard ...	12.7	+20	WSW	5	c	54	92	52	7	8	6	-	7-8	7-8	1500	1	4
	Scilly (St. Mary's)	12.9	+34	WSW	5	bc	55	92	52	8	5	-	-	2-3	2-3	1200	1	4
	Guernsey ...																	
6	Pembroke ...	09.5	+16	WSW	4	if	51	97	51	2	-	-	-	10	10	<150	1	3
7	Holyhead (Valley)	07.1	+14	SW	2	c	53	92	50	9	8	7	3	Tr	9	800	1	2
	Chester (Sealand)	06.3	+6	WNW	1	r	53	92	51	6	5	7	-	4-6	10	1200	1	*
8	Manchester ...	06.3	+6	WNW	2	r	52	97	52	5	6	2	-	7-8	10	600	2	*
10	Spurn Head ...	05.1	-20	SSE	4	ir	54	97	53	6	8	2	-	7-8	10	1500	1	3
	Catterick ...	05.5	+4	SSW	1	ir	55	85	51	7	5	2	-	4-6	10	1500	1	*
	Tynemouth ...	09.4	+2	W	2	c	58	75	49	6	5	2	-	7-8	9	2200	1	2
11	St. Abbs Head	04.3	+16	W	2	c	56	75	46	8	4	6	-	7-8	9+	2000	0	3
	Leuchars ...	02.9	+8	WNW	2	c	61	65	49	9	7	5	6	4-6	9+	2500	1	*
12	Renfrew (Abbots I.)	05.3	+14	NW	4	bc	58	75	48	9	2	-	6	1	4-6	2500	1	*
	Eskdalemuir ...	04.7	+14	W	2	c	55	75	46	8	5	1	-	7-8	9	2200	1	*
	Point of Ayre ...	06.3	+10	WNW	3	c	55	85	49	8	-	6	6	0	9+	-	0	2
13A	Tiree ...	05.8	+10	W'N	1	bc	52	85	47	8	1	3	-	1	4-6	2800	0	3
13B	Stornoway ...	02.8	+6	WSW	4	c	57	75	49	8	2	4	-	4-6	7-8	2500	1	2
15	Dalwhinnie ...	04.0	+6	SW	2	c	55	65	46	8	8	-	5	4-6	7-8	2500	1	*
	Aberdeen ...	02.8	+12	NW'N	3	bc	59	65	48	8	8	4	6	1	4-6	3200	1	3
	Wick ...	02.2	+18	WNW	5	c	52	85	47	9	2	6	-	7-8	9	1600	1	*
16	Sumburgh ...	97.8	+10	WSW	4	id	47	97	47	6	6	-	-	10	10	300	1	4
17	Blacksod Point	07.9	+10	W'S	3	bc	57	85	53	8	8	3	-	4-6	4-6	2500	0	2
	Malin Head ...	06.0	+6	W'N	3	bc	55	85	51	8	2	6	-	1	2-3	2500	1	1
	Aldergrove ...	06.6	+16	N'W	1	c	58	75	51	9	2	6	8	7-8	9	3000	1	*
19	Birr Castle ...	07.6	+10	WSW	2	c	62	55	47	7	3	-	5	2-3	7-8	800	1	*
20	Valentia Obsy.	10.4	+18	SW'W	3	c	57	85	53	8	8	5	-	7-8	9+	2500	1	3
	Roches Point	09.8	+22	W	2	bc	57	85	53	8	3	3	-	2-3	4-6	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 18th (39)	Weather. 13h.—18h. 18th (40)	Weather. 18h. 18th to 1h. 19th (41)	Weather. 1h.—7h. 19th (42)
1	London (Kew)	ctir.c	Dtbr.c	cr.ir.c	cbc
	Croydon ...	cir.	ccir.bc	cir.bcb	b.cbc
	S. Farnborough	cir.jpcv	cvir.r.	cr.bcc	bcprbrc
	Boscombe Down	cir	crm.	cr.pr.c	cbbcc
	Thorney Island	crrr.c	cPRrrc	cicid.c	bccbcc
	Lympne ...	cppr	cprTLR	cbcb	bcbwc
	Manston ...	cycpr.	pr.tlrpr.	pr	b.cbc
2	Shoeburyness ...	c	cpr.	bccm.	cr.bc
	Felixstowe ...	cir.m.c	ir.pr.ir.c	c	c
	Gorleston ...	cir.r.c	cosr.	cpr.qbm.	bcc
	Mildenhall ...	cir.c	cir.	cm.irqc	cbm.bc
	Cranwell ...	cir.r.	rrcIR	orr	cbcm.c
3	Birmingham ...	oir.	oirR	orrc	cbc
	Upper Heyford	cc.ir.c	ccIRq	IRqbc	bbcb
4	Ross-on-Wye	r.idcr	irrcr	Rcb	bbc
5	Hartland Point	rr.r.crf	rfrf	fc	c
	Bristol ...	cir.r.r.	cd.d.rr	cm.cid.d.bc	
	Portland Bill ...	c	orrc	c	coff
	Plymouth ...	cm.r.r.	crrm.cm.	cm.c	cm.c
	The Lizard ...	rrfr	cbcc	dbcw	cbcc
	Scilly (St. Mary's)	cfr.r.	cr.rc	bcbw	bbcw
6	Pembroke ...	rrffo	cirjfo	cbcc	c
7	Holyhead (Valley)	orr	om.cv	crjpbcc	bccF
	Chester (Sealand)	cr.r.m.	cr.r.m.	bcm.z	bcz.c
8	Manchester ...	grrRR	m.r.r.	r.cm.	m.pr.
10	Spurn Head ...	cir.	cir.	ccd	bc
	Catterick ...	cm.irc	crrir.	cir.bcb	bcc
	Tynemouth ...	cpr.c	cpr.c	cbc	bcm.
11	St. Abbs Head	cpr.c	c	bcb	b
	Leuchars ...	rd.cjp	cjpcr	crbcb	bbc
12	Renfrew (Abbots I.)	r.r.pr.c	cpr.bc	bbcc	bcpr.cm.
	Eskdalemuir ...	offer.	c	cbc	bcm.
	Point of Ayre ...	dd.cbc	c	pr.cbcb	bbcc
13A	Tiree ...	od.d.	bc	c	bcc
13B	Stornoway ...	cpr	c	bc	cpr.
15	Dalwhinnie ...	orc	c	*	cpr.bc
	Aberdeen ...	fir.c	cz.b	bcb	bw
	Wick ...	cr.r.m.	r.r.pr.c	c.b	cbc
16	Sumburgh ...	cr.r	crrd.d.m.	cid.cm.bc	bccbcc
17	Blacksod Point	c	bc	bc	bc
	Malin Head ...	c	bc	r	
	Aldergrove ...	bccpr.c	bccpr.c	cpr.bc	bcc
19	Birr Castle ...	pr	pr	* *	bc
20	Valentia Obsy.	bc	bc	pr	r
	Roches Point	bc	pr	pr	

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday, 19th May.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate or light southwest to west wind. Fair or fine, rather mild, but somewhat cooler than of late.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate west to southwest wind; occasional showers, local thunder this afternoon. Rather mild but somewhat cooler than of late.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh west to southwest wind. Showers and local thunder; bright intervals: average temperature.
16 Orkneys and Shetlands	Moderate or fresh westerly wind; mainly cloudy; frequent showers. Rather cool.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate southwest wind. Bright periods, occasional showers. Rather mild but somewhat cooler than of late.

GENERAL INFERENCE

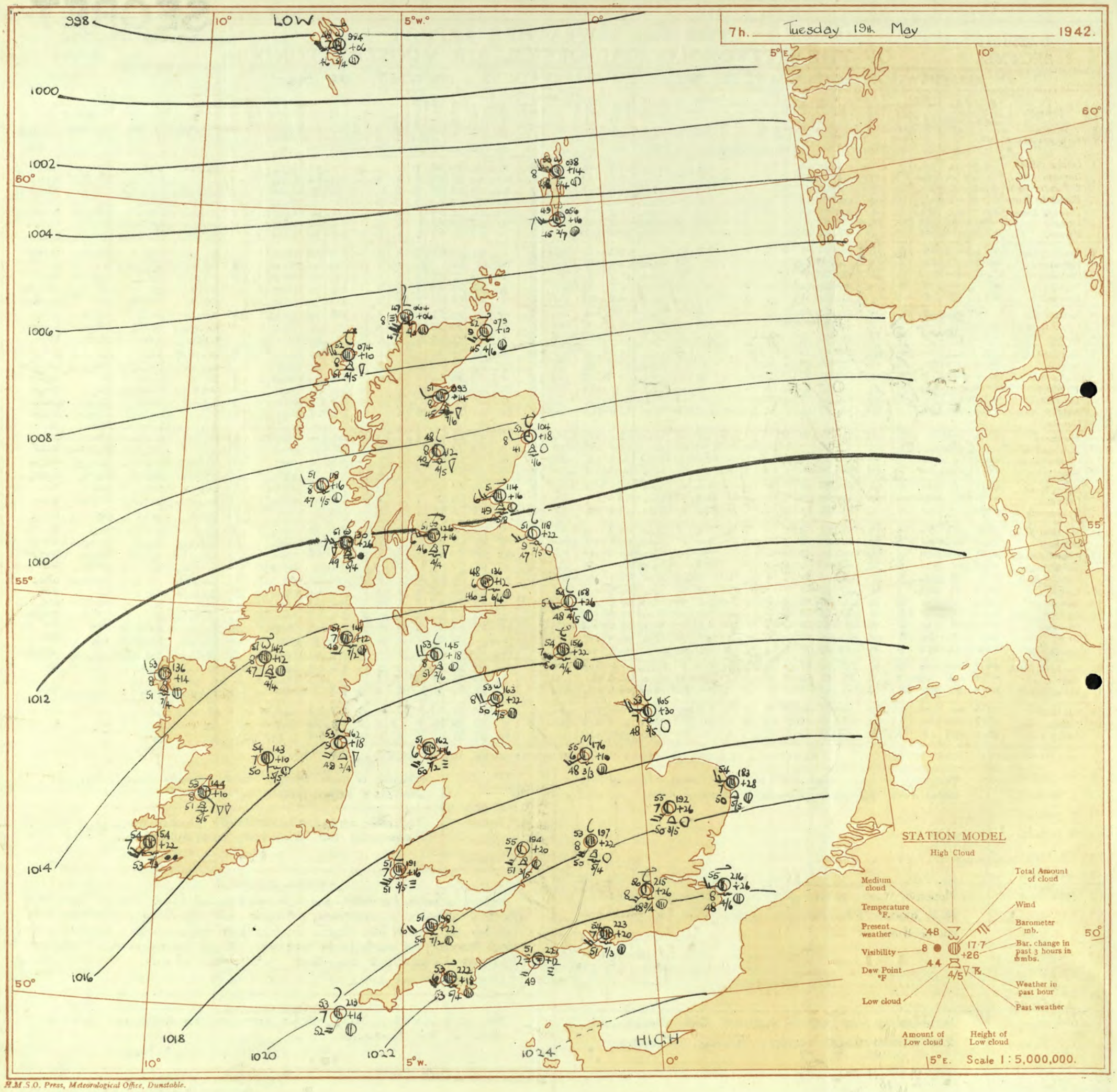
Pressure is low to the north and high to the south of the British Isles and the high pressure is spreading northeast over the country. Weather will be fair or fine in the South. In the North there will be showers and local thunder, but some bright intervals. It will continue rather mild in most districts but somewhat cooler than of late.

FURTHER OUTLOOK

Fair or fine in the South, rather warm in the Southeast. Rain at times in the Northwest.

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.

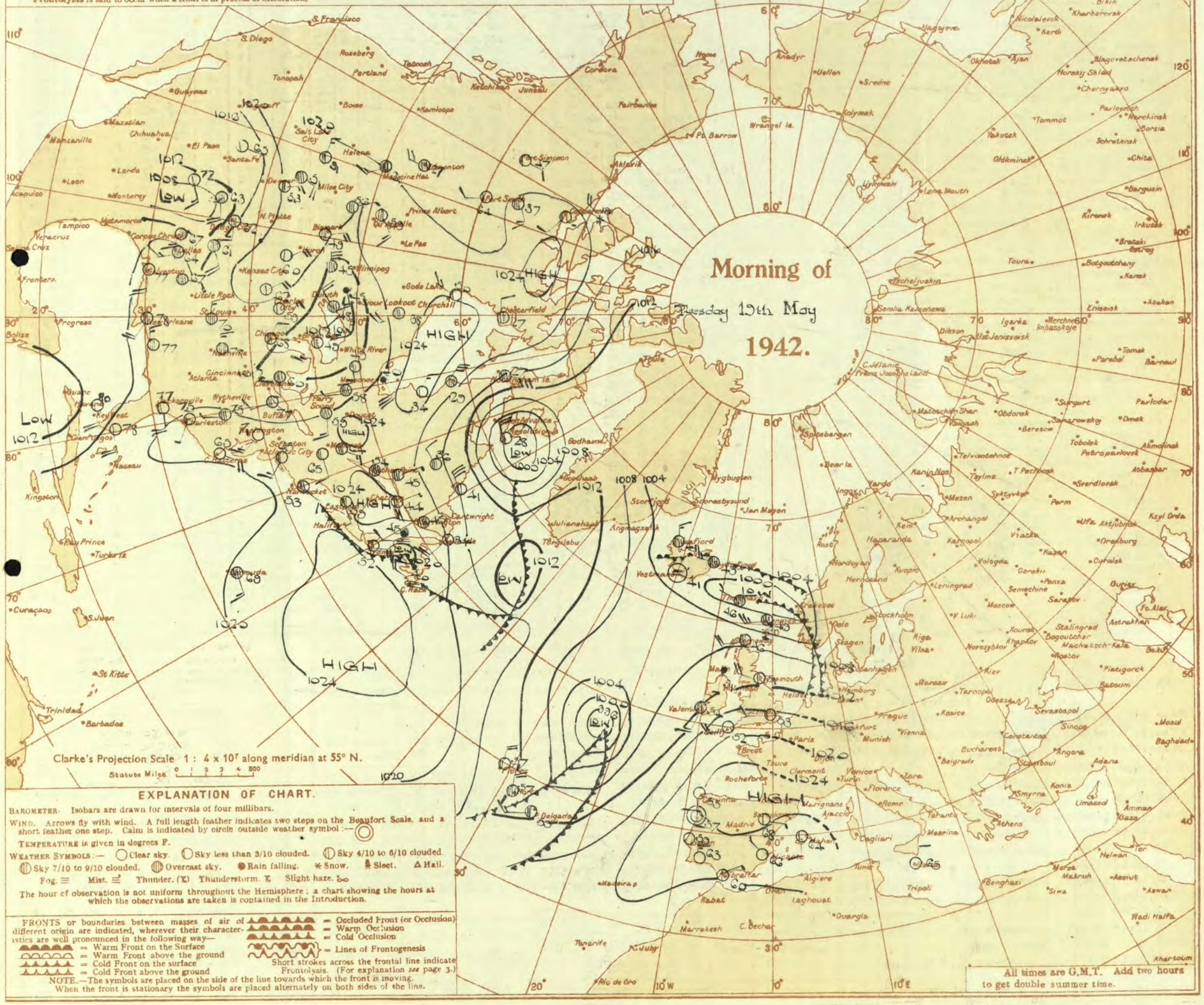
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

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 19th May 1942

No. 29398.

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

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	16·8	+38	W	2	b	53	85	50	7	5	–	–	Tr	Tr	1200
	S. Farnborough	226	16·8	+32	W	3	bc	53	85	50	8	5	4	1	2-3	4-6	3000
	Boscombe Down	417	17·9	+32	W'S	3	c	51	92	49	8	8	–	–	9+	9+	1200
	Thorney Island	10	17·9	+30	W	4	bc	53	92	50	7	5	–	–	4-6	4-6	1300
	Lympne	283	17·9	+34	WSW	4	b	51	97	50	8	5	–	–	1	1	1500
	Manston	154	16·4	+34	W'S	4	b	52	85	49	8	5	–	–	Tr	Tr	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14·9	+42	WSW	4	c	55	85	51	7	5	7	–	9	9+	1500
	Gorleston	5	12·7	+48	WNW	3	z_o	54	85	49	6	5	–	–	2-3	2-3	1500
	Mildenhall	15	14·1	+44	SW'W	5	c	54	92	51	7	5	–	–	10	10	2000
	Cranwell	203	13·0	+40	WSW	5	z_o	49	92	48	6	5	–	–	1	1	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·5	+32	W'N	4	b	50	92	48	7	5	4	–	Tr	1	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·0	+20	WSW	4	c	51	97	50	6	5	–	–	9+	9+	800
	Bristol	209	17·9	+34	W	4	$d_o d_o$	51	97	49	7	5	–	–	10	10	1100
	Portland Bill	32	18·5	+24	SW	5	c	50	92	48	7	5	–	–	9	9	4000
	Plymouth	82	19·5	+24	W	4	c	53	97	52	8	5	–	–	9	9	1700
	The Lizard	240	19·0	+24	SW'W	4	bc	52	97	52	7	8	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	163	18·9	+22	SW	4	b	52	97	51	7	–	–	–	0	0	–
	Guernsey	175															
6	Pembroke	142	16·4	+28	SW'W	5	c	51	97	51	7	8	6	–	4-6	7-8	2500
7	Holyhead (Valley)	32	12·8	+22	SW	3	bc	51	97	50	8	2	9	–	Tr	4-6	2000
	Chester (Sealand)	16	13·3	+24	SW'W	3	z_o	53	85	49	6	5	4	–	4-6	7-8	5000
8	Manchester	235	13·2	+26	S'W	3	z_o	49	97	49	5	5	7	–	7-8	10	2000
10	Spurn Head	29	10·9	+46	W'N	6	b	52	85	46	7	–	–	–	0	0	–
	Catterick	175	10·7	+26	NW	1	b	50	85	47	7	–	4	–	0	Tr	–
	Tynemouth	108	09·2	+26	WNW	4	bc	51	85	47	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	07·8	+22	W	5	bc	52	75	43	7	5	–	–	2-3	2-3	2500
	Leuchars	36	08·5	+22	WNW	3	b	50	85	45	8	5	–	–	Tr	Tr	4000
12	Renfrew (Abbots I.)	19	10·4	+20	W	1	c	45	92	43	7	5	–	–	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	14·4	+24	WNW	2	b	48	97	47	8	–	4	–	0	*	–
13A	Tiree	22	09·4	+14	WSW	1	c	49	92	47	8	5	–	–	7-8	7-8	2500
13B	Stornoway	80	06·4	+20	SSW	3	c	48	92	47	7	5	7	–	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	07·7	+20	WSW	2	c	45	92	42	8	5	3	–	4-6	7-8	4500
	Wick	114	06·3	+18	WSW	2	bc	45	85	41	8	5	3	–	Tr	2-3	3500
16	Sumburgh	19	02·7	+22	W	6	bc	47	92	46	7	5	4	–	2-3	2-3	800
17	Blacksod Point	18	11·6	+12	S	3	c	53	92	51	8	8	–	–	7-8	7-8	2500
18	Malin Head	84	09·8	+14	S'W	1	ir	51	92	49	8	8	2	–	7-8	10	1500
	Aldergrove	268	11·7	+16	SSW	1	pr	49	97	48	8	8	–	–	4-6	4-6	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·2	+6	S'W	3	c/pr	54	92	52	8	8	–	–	9+	9+	2500
	Roches Point	22	14·8	+14	SE'S	3	bc	52	97	51	8	3	–	–	4-6	4-6	1500

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

Stations	Barom. at M.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)	21·5	+24	SW	3	bc	55	75	48	8	5	–	–	4-6	4-6	2500	1	*
Croydon	21·5	+26	SW'W	3	bc	56	75	48	8	5	4	1	2-3	2-3	1500	1	*
S. Farnborough	21·9	+30	SW	4	bc	54	85	46	9	5	–	–	4-6	4-6	2000	1	*
Boscombe Down	21·8	+22	SW'S	4	c	53	92	51	8	8	9	–	7-8	9	3000	1	*
Thorney Island	22·3	+20	WSW	3	c	54	92	51	7	5	–	–	9+	9+	800	1	*
Lympne	22·7	+26	SW	4	c	54	85	51	8	1	–	–	7-8	9+	1500	1	§
Manston	21·6	+26	W	3	bc	55	75	48	8	5	–	1	4-6	4-6	3000	1	*
Shoeburyness	21·2	+26	NW'W	3	bc	58	75	49	7	5	4	–	4-6	4-6	2500	1	*
Felixstowe	20·1	+26	SW'W	4	c	55	85	49	8	5	–	–	9	9	2500	0	3
Gorleston	18·3	+28	WNW	3	c	54	85	50	7	1	–	–	7-8	7-8	2000	1	2
Mildenhall	19·2	+26	SW'W	5	bc	55	85	50	7	1	–	–	2-3	2-3	2500	1	*
Cranwell	18·2	+30	W'S	5	c	54	85	49	7	8	–	–	9+	9+	3000	1	*
Birmingham	08·4	+16	SW	3	bc	53	85	49	8	7	–	–	4-6	4-6	2500	1	*
Upper Heyford	19·7	+22	SW'W	4	c	53	92	50	8	8	4	–	7-8	7-8	1200	1	*
Ross-on-Wye	19·4	+20	SWW	3	bc	55	85	51	7	2	–	–	2-3	2-3	3000	1	*
Hartland Point	19·8	+22	WSW	4	c	51	97	50	6	5	–	–	9+	9+	500	1	4
Bristol	21·4	+22	SW'S	3	bc	54	85	49	8	8	–	–	4-6	4-6	1500	1	*
Portland Bill	22·1	+12	SW	4	f	51	92	49	2	–	–	–	10	10	<150	1	4
Plymouth	22·2	+18	WSW	3	z_o	53	97	53	6	5	–	1	7-8	9+	1000	1	3
The Lizard	20·7	+14	SW	4	c	52	97	52	7	5	2	–	7-8	9+	1500	1	4
Scilly (St. Mary's)	21·3	+14	SW'S	4	bc	53	97	53	7	–	–	4	0	4-6	–	1	4
Guernsey																	
Pembroke	19·1	+16	SW	5	c	51	97	51	7	6	1	–	2-3	7-8	2000	1	3
Holyhead (Valley)	16·2	+16	SW	5	z_o	51	97	50	6	5	–	–	9+	9+	300	1	3
Chester (Sealand)	17·2	+24	SW	3	c	54	85	48	8	5	–	–	9+	9+	1500	1	*
Manchester	17·4	+24	SSW	3	pr	52	92	50	6	2	–	–	9	9	1500	1	*
Spurn Head	16·5	+30	W'S	4	bc	53	85	48	7	4	4	1	2-3	4-6	2500	1	3
Catterick	15·6	+22	WSW	3	–	54	85	50	7	5	9	2	4-6	9+	1500	1	*
Tynemouth	15·8	+26	WSW	3	z_o	54	75	48	5	5	4	–	4-6	4-6	2500	1	3
St. Abbs Head	11·8	+22	WSW	3	bc	51	85	47	9	4	4	–	1	2-3	3500	0	3
Leuchars	11·4	+16	WSW	3	z_o	51	92	45	6	8	–	1	7-8	7-8	7200	1	*
Renfrew (Abbots I.)	12·6	+16	WSW	3	z_o	51	85	46	6	8	7	3	4-6	9+	2000	1	*
Eskdalemuir	13·6	+12	S'W	3	c	48	92	46	6	6	–	–	9	9	1100	1	*
Point of Ayre	14·5	+18	W'S	4	c	53	92	51	8	2	4	–	1	7-8	3000	0	3
Tiree	11·8	+16	W'S	2	bc	51	85	47	8	5	–	–	Tr	4-6	2800	0	3
Stornoway	07·4	+10	W	5	c	52	85	46	8	2	4	–	4-6	7-8	2500	0	2
Dalwhinnie	10·5	+12	SW	3	bc	48	75	40	8	4	4	1	4-6	4-6	2500	1	*
Aberdeen †	10·4	+18	WSW	2	b	52	65	41	8	8	4	1	Tr	Tr	3500	1	1
Wick	07·9	+10	SW'W	3	c	52	75	45	9	5	–	1	4-6	7-8	3000	1	*
Sumburgh	05·6	+16	WSW	5	c	49	92	45	7	5	3	–	1	9+	6000	0	4
Blacksod Point	13·6	+14	W	2	c	53	92	51	8	8	–	–	9+	9+	1500	0	2
Malin Head																	
Aldergrove	14·1	+12	SW'S	2	c	51	92	49	7	5	–	–	9+	9+	300	1	*
Birr Castle	14·3	+10	S	1	c	54	85	50	7	5	–	–	7-8	7-8	2500	1	*
Valentia Obsy.	15·4	+22	SW'W	4	c/r	54	97	53	7	5	–	–	9+	9+	800	1	3
Roches Point																	*

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 18th Hrs. (38)
London (Kew)	67	53	46	2	0·5	0·8
Croydon	70	51	47	1	0·1	2·4
S. Farnborough	68	52	47	0·6	1	2·2
Boscombe Down	65	48	45	3	2	0·5
Thorney Island	63	51	47	4	0·1	*
Lympne	69	48	45	5	–	4·0
Manston	72	50	47	4	Tr	2·2
Shoeburyness	69	52	46	0·5	Tr	2·0
Felixstowe	63	51	48	2	–	1·8
Gorleston	59	59	46	1	1	0·7
Mildenhall	67	50	45	1	1	0·5
Cranwell	65	47	46	2	15	0·0
Birmingham	62	48	45	18	5	0·0
Upper Heyford	64	49	47	2	2	*
Ross-on-Wye	61	51	46	4	7	0·0
Hartland Point	57	50	50	13	–	0·0
Bristol	60	51	48	7	1	*
Portland Bill	54	48 57	*	2	–	*
Plymouth	56	(53)	49	5	–	0·0
The Lizard	54	51	*	11	Tr	2·5
Scilly (St. Mary's)	56	52	*	6	–	5·1
Guernsey						
Pembroke	52	45	*	9	Tr	0·0
Holyhead (Valley)	54	49	44	0·5	–	*
Chester (Sealand)	60	50	39	6	0·1	0·0
Manchester	56	48	41	4	1	*
Spurn Head	62	49	*	1	4	0·0
Catterick	61	48	37	1	0·1	0·0
Tynemouth	61	48	45	0·5	–	*
St. Abbs Head	60	49	*	0·4	–	*
Leuchars	61	45	38	1	–	3·5
Renfrew (Abbots I.)	59	44	39	1	0·2	2·5
Eskdalemuir	57	40	35	2	–	1·2
Point of Ayre	61	43	*	0·1	0·2	2·8
Tiree	55	48	*	2	–	3·2
Stornoway	58	46	*	0·3	Tr	4·6
Dalwhinnie	56	42	33	4	0·1	3·2
Aberdeen †	59	44	39	2	–	3·0
Wick	56	41	38	7	–	*
Sumburgh	50	47	43	9	Tr	0·6
Blacksod Point	59	51	*	–	–	*
Malin Head	56			–		7·4
Aldergrove	63	45	41	0·3	Tr	6·0
Birr Castle	63	47	41	1	–	5·3
Valentia Obsy.	59	52	48	–	6	
Roches Point	58	*	*	2		*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 18th May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th May $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	62	62537	12268	5-	03828	60+28	5-	02846	25326	57	02854	20415
115										51	09834	20427
203	6-	54828	24358	70	01854	20414	8-	81848	20418	85	01843	20483
206	62	61846	26168	8-	02864	26266	5-	01964	00014	8-	02867	22287
210	83	22854	24367	83	81865	24886	40	00861	18301	77	22964	21315
220	50	01745	27315	53	02845	23216				53	25955	20386
230	8-	01845	24365	84	02845	26225	5-	61846	24266	5-	22645	20367
245	96	13843	24365	2-	02865	30125	50	01963	23113	50	01843	23214
260	52	03845	22268	87	01863	25214	00	00790	22110	80	01754	21214
278	80	01844	31415	83	02953	30226	54	00831	00012	53	02865	20216
279	80	02864	53457	51	02854	20327	40	01863	22113	8-	05576	21317
285	27	05635	24528							27	02734	30427
288	62	62754	20468	72	62754	20268	50	05663	23313	43	02861	20316
575	26	00952	26322	23	01952	26314	5-	02857	24127	83	01844	18228
301	62	62645	22268	5-	02854	24267	52	02680	25325	53	02854	22425
321	52	61744	18468	02	64428	28368	50	05563	25463	84	05653	22384
299	50	61647	20467	3-	66448	20368	00	00900	23200	81	05653	24214
292	62	62547	18168	62	62643	24168	50	05651	22321	-0	01743	25325
310	--	63628	20568							--	02638	20248
614	52	62655	18388	52	62637	24268	5-	05646	22265	55	05633	22324

IIIC	13h. G.M.T. 18th May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th May $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333			-	57	02853	18266	5-	01355	00015	5-	02618	20348
334	--	64646	23268							--	52437	22358
340	62	62745	18468	62	64637	30168	50	01774	22464	50	01953	22413
136	57	64664	16368	5-	61863	18468	00	05690	23460	53	05636	22827
336	62	64526	10468	62	63626	24468				57	02754	20416
350	27	02854	51468	87	61744	49485	5-	02736	22458	2+	00752	21422
368	62	64636	23368	5-	02628	24368	5-	51428	22368	8-	02745	21355
379	52	22935	18468				5-	05648	24468	2-	01745	20515
390	57	61655	18268	57	22634	20365	50	00752	24412	5-	05648	24318
382	77	02854	49468	67	22834	52438	5-	21755	22365	58	02847	20227
438	87	02254	20315	80	61755	22425	9+	02643	24624	57	02754	22525
430	59	02875	18367	6-	55508	18585	5-	02736	24466	5-	02745	20327
409	5-	64208	24268	5-	02738	23668	5-	05627	22427	5-	02737	21327

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 19th May
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	c+ir$_o$ c	⊕tlr$_o$gc	cr$_o$ir$_o$c	Kew 24 hours ended 7h. Max. Time 60·1 whole period Min. Time
Croydon	cir$_o$	ccir$_o$ bc	cir$_o$bcb	
Greenwich	cir$_o$	cb ⊕yrc	cbcbc	
Camden Square	c	c	*	
Kensington	crcb	bc	*	
Hampstead	bc	bcp	orbc	

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	67	53	46	2	0·5	0·8	*	*
Croydon	70	51	47	1	0·1	2·4	*	*
Greenwich	70	52	44	0·5	–	1·3	57	68
Westminster	69	53	48	0·3			77	79
Regents Park	69	52	49	1	·2		69	69
Camden Square	70	53	47	0·5	1	*	*	70
Kensington	70	53	47	1	0·3		73	71
Hampstead	67	49	44	1	1		*	79

SECRET

Wednesday 20th May 1942

BRITISH SECTION

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

No. 29399

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

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)	22.5	+2	WSW	4	c	62	55	45	8	8	3	1	7-8	9+	2500
	Croydon ...	23.9	+10	SSW	4	bc	65	55	47	8	2	6	-	4-6	7-8	2500
	S. Farnborough	23.4	+2	WSW	4	bc	65	45	45	9	2	-	-	7-8	7-8	2500
	Boscombe Down	23.1	+2	SW	5	bc	63	65	49	8	7	-	-	7-8	7-8	3500
	Thorney Island	24.5	+2	SW	4	bc	60	75	54	8	8	-	-	4-6	4-6	1500
	Lympne ...	24.5	+2	SW	3	c/pr	59	85	53	8	1	-	5	7-8	9	2500
	Manston ...	23.5	+4	SW'W	5	bc	63	65	49	8	2	-	5	4-6	4-6	2500
2	Shoeburyness ...	22.9	0	WSW	3	c	65	55	50	8	8	-	-	9	9	2800
	Felixstowe ...	22.4	+8	W'S	3	c	63	55	46	8	8	-	-	7-8	7-8	4000
	Gorleston ...	21.7	+8	W'N	4	c	66	45	44	7	2	-	-	7-8	7-8	2000
	Mildenhall ...	21.2	+6	SW	5	c	65	55	50	8	7	-	-	7-8	7-8	3000
	Cranwell ...	19.7	+4	SW'W	5	pr	61	65	50	7	2	3	-	9	9+	2500
3	Birmingham ...	21.2	+8	SW	4	c/pr	59	75	52	8	8	-	-	7-8	7-8	2500
	Upper Heyford	21.8	+2	WSW	4	c	61	65	49	8	8	6	-	4-6	7-8	2500
4	Ross-on-Wye	21.6	+4	SW	4	bc	61	65	47	8	2	-	-	4-6	4-6	3500
5	Hartland Point	22.6	+8	WSW	4	bc	53	92	50	7	2	4	4	2-3	4-6	1500
	Bristol ...	23.1	+4	WSW	4	bc	63	65	51	8	2	6	1	4-6	4-6	2500
	Portland Bill ...	24.1	+6	SW	4	bc	52	85	48	7	2	-	-	7-8	7-8	4000
	Plymouth ...	24.5	+10	SW	3	f+	54	97	54	2	-	-	-	10	10	4150
	The Lizard ...	23.8	+4	WSW	3	c	57	97	57	5	8	-	-	7-8	7-8	800
	Scilly (St. Mary's)	23.3	+2	SSW	4	c	58	85	54	7	5	-	4	4-6	9	1200
	Guernsey ...															
6	Pembroke ...	21.8	+6	SW	5	bc	54	92	52	7	2	4	-	2-3	4-6	2500
7	Holyhead (Valley)	18.4	+4	SSW	6	c	55	85	51	6	8	9	-	2-3	7-8	3000
	Chester (Sealand)	18.9	+8	SW	4	c	65	55	48	8	2	6	-	4-6	7-8	3500
8	Manchester ...	19.4	+8	SW	4	c/pr	58	75	51	7	9	-	3	9	9+	2000
10	Spurn Head ...	18.5	+10	WSW	5	c	63	55	52	7	1	6	1	4-6	7-8	2500
	Catterick ...	17.9	+8	WSW	3	c/pr	59	75	49	8	8	-	9	9	9+	3500
	Tynemouth ...	16.5	0	SW	4	bc	65	85	60	7	2	-	1	4-6	4-6	2800
11	St. Abbs Head	14.6	+20	SW	4	c	61	85	56	5	8	4	-	4-6	7-8	2000
	Leuchars ...	13.4	+10	WSW	5	c/pr	58	75	50	9	8	6	-	4-6	9	2000
12	Renfrew (Abbots I.)	14.9	+14	SW	3	bc	56	75	48	8	8	6	-	4-6	7-8	2500
	Eskdalemuir ...	15.1	+4	SSW	4	c	55	75	47	8	5	-	-	9+	9+	1800
	Point of Ayre...	16.7	+4	W'S	4	bc	65	75	55	8	2	4	5	2-3	2-3	2000
13A	Tiree	14.7	+8	W'N	3	bc	56	65	43	8	1	4	-	2-3	2-3	3500
13B	Stornoway ...	11.2	+26	WSW	5	ir	52	85	48	8	2	7	-	4-6	9	1200
15	Dalwhinnie ...	13.2	+10	WSW	3	c	53	65	40	8	8	-	-	7-8	7-8	2500
	Aberdeen ...	12.0	+12	NW'W	3	bc/pr	60	55	46	8	8	-	3	4-6	4-6	3000
	Wick ...	10.4	+10	W'S	5	c	57	55	41	9	8	-	8	7-8	9	3000
16	Sumburgh ...	08.1	+10	WSW	5	bc	51	85	45	8	8	3	-	2-3	7-8	2000
17	Blacksod Point	17.0	+14	NW	2	bc	57	75	49	9	8	3	-	4-6	7-8	2500
18	Malin Head ...															
	Aldergrove ...	15.8	+6	WSW	3	cjp	61	65	49	8	8	6	8	9	9+	2500
19	Birr Castle ...	16.4	+10	W	2	c	63	75	55	7	8	-	-	7-8	7-8	800
20	Valentia Obsy.	19.0	+16	SW'W	4	bc	60	85	56	8	2	-	1	7-8	7-8	1500
	Roches Point	19.2	+6	WSW	4	bc	59	85	55	8	3	-	-	4-6	4-6	1500

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

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)	22.5	0	SW	4	bc	63	55	49	8	1	-	8	2-3	7-8	2500	1	*
	Croydon ...	22.7	0	SW	3	bc	61	65	48	8	4	-	-	1	7-8	2500	0	*
	S. Farnborough	22.8	-4	SSW	4	c	62	65	49	8	-	-	4	0	7-8	-	0	*
	Boscombe Down	22.8	-2	SW'S	3	bc	60	75	50	8	1	-	8	1	2-3	3500	0	*
	Thorney Island	24.0	-4	SSW	3	c	58	75	49	9	2	-	9	1	9+	1500	1	*
	Lympne ...	24.2	-2	SW'W	2	bc	57	85	52	8	1	-	-	Tr	4-6	2700	1	§3
	Manston ...	23.2	-2	SW'W	4	bc	60	65	48	8	1	-	2	Tr	2-3	3000	1	*
2	Shoeburyness ...	22.6	-2	SSW	4	c	62	65	51	8	4	-	6	1	7-8	3800	0	*
	Felixstowe ...	22.0	-2	SSW	4	c	61	75	53	8	8	-	-	7-8	7-8	5700	0	3
	Gorleston ...	21.5	-2	WNW	3	bc	67	45	47	7	1	-	-	4-6	4-6	2000	0	3
	Mildenhall ...	22.0	-2	WSW	4	bc	66	55	48	8	7	-	2	2-3	4-6	4000	0	*
	Cranwell ...	19.7	-4	SW'W	5	b	62	55	47	8	4	-	-	Tr	Tr	3000	0	*
3	Birmingham ...	20.8	0	SW	4	bc	62	55	47	8	7	-	4	2-3	4-6	4000	1	*
	Upper Heyford	21.1	-2	SW'W	4	bc	62	55	47	8	2	-	2	1	4-6	2500	0	*
4	Ross-on-Wye	21.4	0	SW'W	3	bc	61	55	43	8	1	-	4	Tr	4-6	4000	1	*
5	Hartland Point	22.2	-6	WSW	3	bc	55	85	51	8	2	4	-	2-3	4-6	1000	1	4
	Bristol ...	23.0	0	W	4	c	60	65	47	8	4	-	6	2-3	7-8	2500	1	*
	Portland Bill ...	23.5	-10	SW	4	c	52	85	48	7	2	4	-	4-6	9	4000	1	
	Plymouth ...	24.2	-2	WSW	1	dF	53	97	53	1	-	-	-	10	10	4150	0	3
	The Lizard ...	23.3	-6	SW'S	2	m	55	97	54	4	5	-	-	10	10	800	1	3
	Scilly (St. Mary's)	23.0	-6	SSW	2	cjp	55	92	53	5	5	-	-	10	10	200	1	3
	Guernsey ...																	
6	Pembroke ...	21.7	-2	SW	4	c	52	97	51	7	8	4	2	2-3	7-8	3500	1	3
7	Holyhead (Valley)	18.4	+2	SW	6	c	53	92	49	6	5	4	-	4-6	9	400	1	4
	Chester (Sealand)	18.9	+2	SW'S	4	bc	62	55	44	8	4	6	1	2-3	4-6	4000	0	*
8	Manchester ...	19.2	+22	SW'W	4	bc	60	55	44	9	2	6	-	2-3	4-6	4000	1	*
10	Spurn Head ...	19.6	+4	WSW	4	bc	61	65	50	7	1	6	1	4-6	4-6	2500	0	3
	Catterick ...	18.3	+2	WSW	3	c	59	75	51	8	8	3	-	4-6	7-8	3500	1	*
	Tynemouth ...	16.6	+6	WSW	4	bc	63	65	50	7	2	-	-	4-6	4-6	2800	1	3
11	St. Abbs Head	14.9	+2	SW	2	c	57	75	49	8	8	6	-	4-6	7-8	2000	0	2
	Leuchars ...	14.1	+2	W	4	bc	60	55	44	9	1	-	5	2-3	4-6	2500	1	*
12	Renfrew (Abbots I.)	15.9	+8	WNW	3	bc	58	55	40	9	2	6	-	2-3	4-6	3500	1	*
	Eskdalemuir ...	16.6	+6	WSW	2	pr	52	85	48	7	5	-	-	10	10	1100	1	*
	Point of Ayre...	16.9	+2	W'S	4	pr	55	97	55	8	8	4	-	7-8	9	2000	1	3
13A	Tiree	15.8	+6	W	2	bc	53	65	42	8	1	3	-	2-3	2-3	3500	0	4
13B	Stornoway ...	12.9	+10	WSW	5	c	54	65	45	8	2	6	9	4-6	7-8	1200	1	3
15	Dalwhinnie ...	15.0	+4	WSW	4	c	50	55	36	8	8	-	9	4-6	9	2500	0	*
	Aberdeen ...	13.1	+10	E'N	2	bc	56	75	47	8	8	-	6	4-6	4-6	3000	1	2
	Wick ...	11.8	+6	W'N	3	bc	55	65	42	9	2	3	-	4-6	4-6	3000	0	*
16	Sumburgh ...	09.7	+4	WSW	5	bc	49	85	45	8	5	3	-	1	2-3	1000	0	4
17	Blacksod Point	17.9	+4	WNW	3	c	56	65	44	8	8	3	-	4-6	7-8	4000	0	2
18	Malin Head ...	16.8	+10	W'N	3	bc	54	65	42	8	2	-	-	2-3	2-3	4000	1	2
	Aldergrove ...	17.5	+10	NE'N	2	c/r	53	92	50	8	8	6	-	4-6	7-8	2500	1	*
19	Birr Castle ...	17.5	+6	WSW	3	bc	62	65	50	7	3	8	-	2-3	4-6	800	1	*
20	Valentia Obsy.	19.2	-2	SSW	4	c	60	75	52	8	2	5	9	4-6	9	1500	1	3
	Roches Point	20.1	+4	WSW	4	c	57	92	55	8	2	1	5	2-3	7-8	2500	1	4

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)	cbccy	bccbcy	bcbcw	bcoFfw
	Croydon ...	bcy	bcybc	bcb,cm₀	
	S. Farnborough	cbcvy	bcvyc	cbcc	cmFd₀f₀
	Boscombe Down	bc	bc	bc,cF	OFFe
	Thorney Island	c	bcc	cfmcw	om₀Fid₀₀
	Lympne ...	cp.	cbc	bcwbfw	omfFxff
	Manston ...	bccbc	bcyb	bcbbm₀	bbcm₀c
2	Shoeburyness ...	bccbcy	cbcy	cbm₀	bfbcm₀w
	Felixstowe ...	bccy	cybcycy	cbcbbw	bcm₀cm₀
	Gorleston ...	cy	bcy	bcm₀	bcm₀
	Mildenhall ...	bccy	bcy	bcybcb	bcm₀bcm₀
	Cranwell ...	ccpr	cprbc	bybc	cm₀
3	Birmingham ...	bcpr₀	bc		
	Upper Heyford	cbcc	cbc	bcybc	bcc
4	Ross-on-Wye	bccbc	bcyby	bcb	bcc
5	Hartland Point	cbc	bc	FFc	c
	Bristol ...	bccbc	bccbc	bc,bcc	ccm₀mw
	Portland Bill ...	c	bcc	off	off
	Plymouth ...	cm₀	ofcm₀	oFd₀d₀	oFcfbcc
	The Lizard ...	bccm₀	com	obcff	cFfe
	Scilly (St. Mary's)	bcc	c	cbcm	bcc
	Guernsey ...				
6	Pembroke ...	cbcm₀	bccm₀	cfefe	oFe
7	Holyhead (Valley)	cpr₀	cm₀	cm₀	cr₀m₀
	Chester (Sealand)	cbccy	bcy	bc	cm₀ir₀
8	Manchester ...	prm₀	cbcc	bcc	bcci₀
10	Spurn Head ...	bc	bc	bc	
	Catterick ...	bcpr₀c	cbcc	ccpr₀bc	c
	Tynemouth ...	cm₀bc	cbc	bc	bc
11	St. Abbs Head	bccrrc	c	cbc	b
	Leuchars ...	bccpr₀c	cpr₀cbc	bcyb	bbc
12	Renfrew (Abbots I.)	cm₀prbc	pccbc	bcbw	bbcwm₀
	Eskdalemuir ...	cm₀pR	cprbcpr	coir₀	cbc
	Point of Ayre...	cbc	bccpr	cbcb	bbccw
13A	Tiree	bc	bc	bc	bbc
13B	Stornoway ...	cprir	cirpr	c	cprbc
15	Dalwhinnie ...	bcpr₀c	c	*c	c
	Aberdeen ...	bcpr₀	bc	bccbc	bcb
	Wick ...	bcycy	cpr₀bc	cbcc	cbcc
16	Sumburgh ...		bcb	bcb	bbcbbc
17	Blacksod Point	bc	c	c	r
18	Malin Head ...		bc	b	bc
	Aldergrove ...	cbccjp	prrcr₀c	bcbfgw	cid₀c
19	Birr Castle ...	pr	bc	* *	pr
20	Valentia Obsy.	pr	bc	r	r
	Roches Point	bc	bc	r	r

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

Districts	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light southerly breezes, backing S.E. and freshening; fair at first apart from some local thunderstorms. More general thundery rain and local thunderstorms spreading in tomorrow; rather warm and close.
4 W. Midlands 5 S.W. England	Freshening E. to S.E. winds; mainly cloudy; some light local rain at first; more general thundery rain tomorrow; close.
6 South Wales 7 North Wales	Freshening E. to S.E. winds, becoming S.W. to W.; cloudy; thundery rain spreading from the southwest; fair periods later; some coastal fog; close, then cooler.
8 N.W. England 9 N. Midlands ... 10 N.E. England	Light variable winds; becoming S.E. moderate to fresh; fair periods; some local thundery rain or thunderstorms; more general thundery rain later; rather warm and close.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Light variable winds, finally southeast, moderate; fair periods; some light local rain and a few local thunderstorms at first; more general thundery rain probable tomorrow; rather close.
14 Mid Scotland 15 N.E. Scotland	Moderate westerly winds, falling light; considerable fair periods; a few local coastal showers; average temperature.
16 Orkneys and Shetlands	As 14-15
17 N. W. Ireland 18 N. E. Ireland	As 7-8
19 S. E. Ireland 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

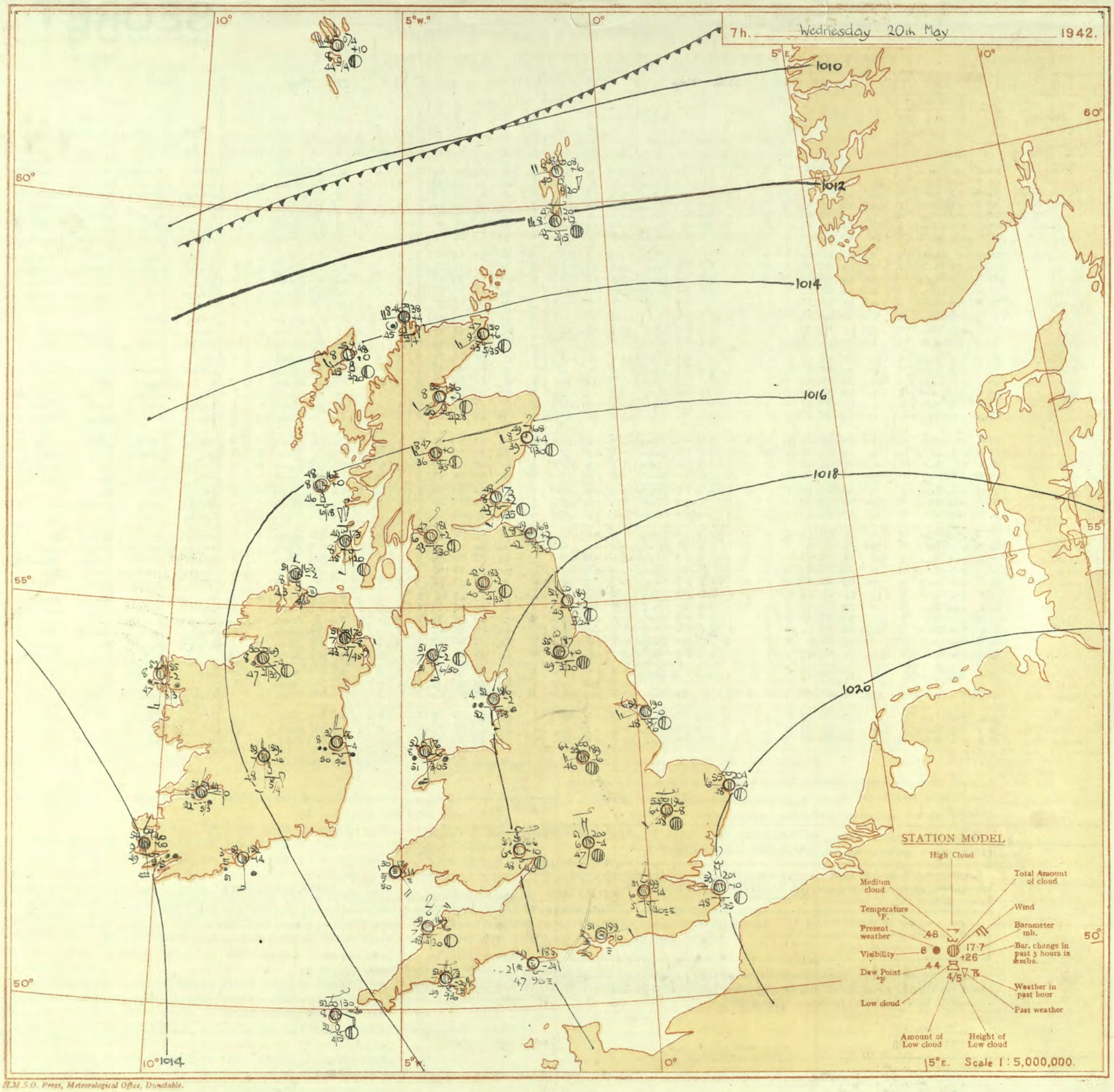
A depression off our S.W. coasts is moving slowly N.E. and a ridge of high pressure over England is moving east and giving way. There will be some occasional slight rain in the West and North today. More general rain will reach the S.W. districts later today and then spread Northeast. Thunderstorms will develop locally.

FURTHER OUTLOOK

Cooler westerly conditions with bright periods and local thundery showers spreading over the country.

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).

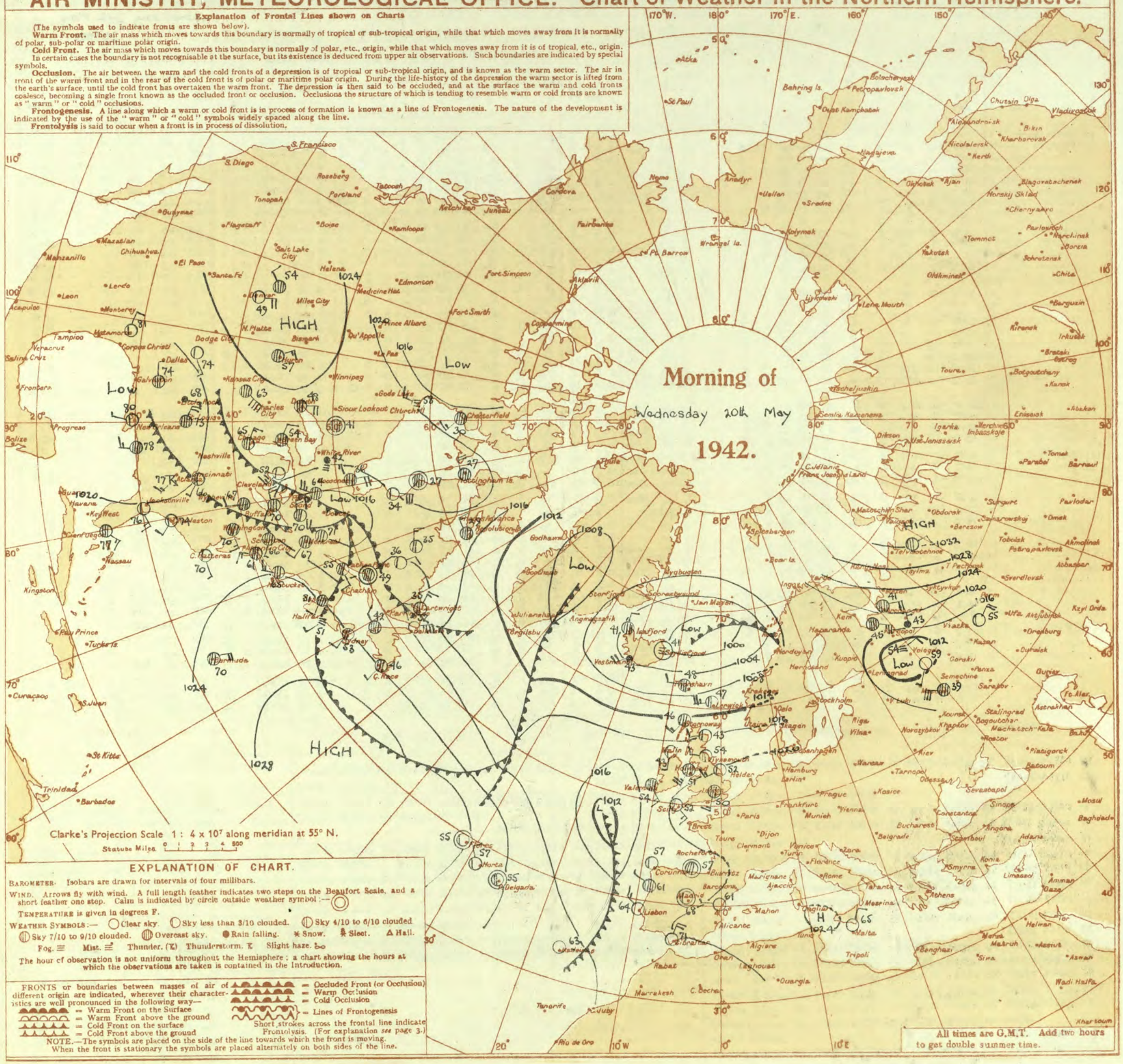
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

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 20th May 1942

No. 20399.

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

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·4	-6	S	3	z_0	50	97	50	6	5	-	-	9+	9+	1500
	S. Farnborough	226	21·9	-6	-	0	bc	50	92	49	8	-	-	8	0	7-8	-
	Boscombe Down	417	22·9	0	S'W	1	F+	50	97	50	0	-	-	-	10	10	<150
	Thorney Island	10	22·7	-6	-	0	z_0	51	97	51	6	5	-	-	10	10	100
	Lympne ..	283	23·3	-6	SSW	1	F+	48	97	48	1	-	-	-	10	10	<150
	Manston ...	154	22·7	-8	SSW	2	z_0	49	92	47	6	-	4	1	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·6	-8	SW	2	b	52	92	49	7	-	-	-	0	0	-
	Gorleston ...	5	21·8	0	W	1	bc	53	85	48	6	-	5	-	0	2-3	-
	Mildenhall ...	15	21·1	-6	S'W	1	b	49	92	47	7	-	4	-	0	1	-
	Cranwell ...	203	20·2	-2	WSW	3	bc	50	85	44	7	-	7	2	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·3	-6	S	1	bc	50	75	44	7	-	7	2	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·5	-6	W	1	c	51	97	50	6	5	-	-	9	9	1500
	Bristol ...	209	22·2	-4	-	0	c	50	97	49	8	5	-	-	7-8	7-8	2500
	Portland Bill ...	32	22·5	-6			f	50	92	48	2	5	-	-	10	10	<150
	Plymouth ...	82	22·2	-10	-	0	F-	49	97	49	1	-	-	-	10	10	<150
	The Lizard ...	240	20·8	-10	ESE	2	df	51	97	51	3	5	-	-	10	10	600
	Scilly (St.Mary's)	163	20·2	-14	SE'E	3	m	52	97	52	4	5	-	-	4-6	4-6	220
	Guernsey ...	175															
6	Pembroke ...	142	21·0	-6	S'W	3	f	51	97	51	2	-	-	-	10	10	<150
7	Holyhead (Valley)	32	18·7	-2	SSW	5	z_0	51	92	49	6	5	-	-	10	10	800
	Chester (Sealand)	16	19·2	-2	SW	1	bc	53	75	49	7	5	-	-	2-3	2-3	5000
8	Manchester ...	235	19·7	-2	SSE	3	c	51	85	47	8	5	-	-	9	9	3000
10	Spurn Head ...	29	19·8	0	SW	3	bc	52	75	46	7	1	-	-	2-3	2-3	2500
	Catterick ...	175	18·7	-4	SW	4	bc	53	85	50	7	5	-	-	4-6	4-6	900
	Tynemouth ...	108	17·9	+8	W	2	bc	54	85	52	7	2	3	-	4-6	4-6	2500
11	St. Abbs Head	280	16·5	0	W	3	b	49	75	40	7	4	-	-	1	1	2500
	Leuchars ...	36	17·0	+10	W	3	b	45	85	41	8	-	5	-	0	2-3	-
12	Renfrew (Abbots I.)	19	18·0	+4	W'N	1	b	41	85	38	8	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·3	0	WNW	2	b	48	97	46	8	4	-	-	1	1	4000
13A	Tiree ...	22	16·4	0	WSW	1	bc	47	85	43	8	5	-	-	4-6	4-6	2500
13B	Stornoway ...	80	14·6	0	SSW	3	c	46	92	44	8	5	7	-	4-6	9	1200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·2	+12	W	2	bc	43	75	36	8	5	4	-	1	2-3	5000
	Wick ...	114	14·8	+10	WSW	2	c	45	85	38	8	5	-	-	7-8	7-8	1500
16	Sumburgh ..	19	11·4	+6	WSW	5	b	47	85	43	8	5	3	-	Tr	1	1500
17	Blacksod Point	18	17·3	-6	E	3	c	53	92	51	8	8	-	-	9+	9+	2500
18	Malin Head ...	84	17·5	-2	S	1	b	43	92	41	8	4	-	-	1	1	4000
	Aldergrove ...	268	18·6	-4	-	0	c	44	92	42	8	5	-	-	9+	9+	7000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·4	-6	SSE	3	c	54	85	50	8	5	2	-	9	10	2500
	Roches Point	22	18·8	-18	SSW	2	f-	53	97	52	3	-	-	-	10	10	<150

OBSERVATIONS at 7 hr. G.M.T. 20th May

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)	% (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)	19·9	-8	W'N	1	f-	51	92	49	2	-	-	-	10	10	<150	1	*
	Croydon ...	19·9	-14	S	2	c/f	51	97	51	6	5	4	6	Tr	7-8	4000	1	*
	S. Farnborough	19·7	-12	-	0	F-	49	97	49	1	5	-	-	10	10	200	0	*
	Boscombe Down	19·9	-10	E'S	1	f-	49	97	49	2	-	-	-	10	10	<150	0	*
	Thorney Island	19·9	-10	E'N	2	df	51	92	50	2	-	-	-	10	10	<150	1	*
	Lympne ..	21·1	-10	S	1	c/f	52	97	51	5	5	4	9	2-3	9+	4500	1	2
	Manston ...	20·1	-10	-	0	bc	53	85	49	7	5	8	9	Tr	7-8	2500	1	*
2	Shoeburyness ...	20·1	-8	WSW	1	bc	54	85	51	5	-	9	1	0	4-6	-	1	*
	Felixstowe ...	20·2	-4	SW'W	1	z_0	55	85	50	5	-	7	1	0	9	-	0	1
	Gorleston ...	20·4	-4	WNW	2	bc	55	75	48	6	-	7	-	0	4-6	-	0	2
	Mildenhall ...	19·6	-8	SW	1	z_0	54	75	48	6	-	7	2	0	7-8	-	0	*
	Cranwell ...	18·9	-6	W'S	3	z_0	53	75	46	6	-	7	-	0	9+	-	0	*
3	Birmingham ...	18·9	-8	S	2	z_0	50	85	46	6	5	7	-	4-6	9	4000	1	*
	Upper Heyford	20·0	-4	SSW	1	z_0	51	85	47	6	-	8	8	0	9	-	0	*
4	Ross-on-Wye	18·8	-10	NNW	1	z_0	52	85	48	6	5	9	2	Tr	4-6	4000	1	*
5	Hartland Point	16·9	-16	NE	3	c	49	92	48	7	5	4	6	4-6	9	3000	1	3
	Bristol ...	19·7	-14	SE	1	m	50	97	49	4	5	-	-	10	10	800	1	*
	Portland Bill ...	18·0	-24	E	2	f+	49	92	47	2	5	-	-	10	10	<150	1	3
	Plymouth ...	17·3	-20	E	3	c	51	97	49	7	5	2	1	7-8	9+	3000	1	3
	The Lizard ...	16·4	-14	ESE	2	cf	50	97	50	1	5	-	-	10	10	200	1	
	Scilly (St.Mary's)	15·0	-26	ESE	4	c	52	97	52	8	8	7	2	4-6	9	1500	1	
	Guernsey ...																	
6	Pembroke ...	17·6	-14	SE	4	df	50	97	50	1	-	-	-	10	10	<150	1	2
7	Holyhead (Valley)	17·6	-6	S	3	ir_0	52	97	51	8	6	2	-	2-3	10	500	1	3
	Chester (Sealand)	17·9	-8	SSE	1	c/r	53	85	49	6	5	4	7	4-6	10	5000	0	*
8	Manchester ...	18·4	-6	S	2	id_0	51	85	47	6	5	1	-	4-6	10	2500	1	*
10	Spurn Head ...	19·0	0	W'S	3	c	53	85	48	6	5	-	-	9+	9+	4000	0	
	Catterick ...	18·7	+6	-	0	c	55	75	49	8	5	3	-	1	9	2000	0	*
	Tynemouth ...	18·9	+2	NW	3	bc	54	85	49	7	7	3	-	2-3	4-6	2400	1	2
11	St. Abbs Head	16·8	+2	W	2	b	49	75	42	8	5	-	-	1	1	5000	0	2
	Leuchars ...	17·2	+2	SSW	1	bc	48	85	43	8	5	-	4	Tr	4-6	3500	1	*
12	Renfrew (Abbots I.)	18·1	+2	-	0	z_0	47	85	43	6	5	-	4	1	4-6	3000	1	*
	Eskdalemuir ...	18·3	+2	-	0	bc	42	92	40	8	5	4	-	4-6	7-8	3200	1	*
	Point of Ayre...	17·5	-2	SSE	3	c	51	97	51	7	5	-	-	9	9	5000	0	
13A	Tiree ...	16·2	0	-	0	c/pr	48	92	46	8	8	-	-	9	9	1800	1	
13B	Stornoway ...	14·8	0	SW	3	bc	48	92	45	8	2	4	-	2-3	4-6	2000	1	1
15	Dalwhinnie ...	16·2	0	WSW	3	c	47	65	36	8	5	-	9	7-8	9	2500	0	*
	Aberdeen † ...	16·8	+4	W'S	2	b	49	65	39	8	5	-	6	Tr	1	3000	1	2
	Wick ...	15·0	+6	SW	3	c	47	85	43	9	5	-	-	7-8	7-8	3500	0	*
16	Sumburgh ..	12·0	+12	WSW	5	c	47	85	43	8	5	4	1	4-6	7-8	1500	0	4
17	Blacksod Point	15·5	-2	S	3	ir_0	52	85	48	8	6	2	-	4-6	10	800	1	2
18	Malin Head ...	16·3	-2	-	0	c	51	75	44	8	8	2	-	4-6	9	4000	0	2
	Aldergrove ...	17·0	-8	E'S	1	c	51	75	43	7	5	7	-	4-6	9+	4500	1	*
19	Birr Castle ...	15·9	-10	S	1	c	53	85	49	7	8	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	14·0	-10	SSE	4	c/r	54	85	50	9	5	7	-	7-8	10	2500	1	2
	Roches Point	15·2	-14	S'E	3	rf	52	97	51	3	-	-	-	10	10	<150	1	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 19th Hrs. (38)
1	London (Kew)	66	49	36	-	Tr	12·1
	Croydon ...	67	48	34	-	Tr	11·2
	S. Farnborough	68	47	37	-	Tr	13·3
	Boscombe Down	65	47	45	-	Tr	13·9
	Thorney Island	62	48	44	-	Tr	*
	Lympne ..	61	46	38	Tr	Tr	9·3
	Manston ...	65	45	40	-	Tr	12·5
2	Shoeburyness ...	68	49	41	-	-	11·6
	Felixstowe ...	69	49	42	-	-	8·4
	Gorleston ...	68	50	46	-	-	13·0
	Mildenhall ...	67	46	35	-	-	10·5
	Cranwell ...	64	49	44	Tr	-	10·7
3	Birmingham ...	64	49	44	Tr	-	12·5
	Upper Heyford	65	47	43	-	-	*
4	Ross-on-Wye	63	47	41	-	-	11·5
5	Hartland Point	56	48	46	-	Tr	9·8
	Bristol ...	64	46	39	-	-	9·1
	Portland Bill ...	53	47	*	-	Tr	*
	Plymouth ...	57	53	46	Tr	-	0·0
	The Lizard ...	58	49	*	-	-	2·9
	Scilly (St.Mary's)	59	50	*	-	-	8·3
	Guernsey ...						
6	Pembroke ...	55	45	*	-	Tr	8·7
7	Holyhead (Valley)	58	50	49	Tr	1	*
	Chester (Sealand)	66	51	41	-	Tr	10·8
8	Manchester ...	63	49	45	1	Tr	*
10	Spurn Head ...	65	50	*	-	-	1·0
	Catterick ...	63	52	42	Tr	-	9·7
	Tynemouth ...	65	50	47	-	-	*
11	St. Abbs Head	62	(49)	*	0·2	-	
	Leuchars ...	62	46	32	Tr	-	12·2
12	Renfrew (Abbots I.)	62	39	31	1	-	7·4
	Eskdalemuir ...	58	34	29	3	1	4·2
	Point of Ayre...	68	43	*	0·2	0·2	8·4
13A	Tiree ...	57	46	*	-	1	11·6
13B	Stornoway ...	57	44	*	0·4	0·6	7·8
15	Dalwhinnie ...	56	40	33	Tr	-	6·8
	Aberdeen † ...	65	39	38	Tr	-	9·2
	Wick ...	59	41	39	Tr	-	*
16	Sumburgh ..	52	46	42	-	-	7·7
17	Blacksod Point	59	50	*	-	2	*
18	Malin Head ...	56	43		0·1	-	
	Aldergrove ...	62	41	33	2	Tr	6·8
19	Birr Castle ...	65	46	41	3	0·3	8·2
20	Valentia Obsy.	61	53	51	0·1	0·6	6·4
	Roches Point	60	52	*	-	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th May				18h. G.M.T.			01h. G.M.T. 20th May			07h. G.M.T.		
IIIH	$C_L C_M$	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	87	02854	55625	4-	01864	23684	57	02754	22415	8-	10864	55514
115	52	81754	20487							87	10844	22486
263							8-	81846	20466	7-	02846	20466
206	8-	02964	22384	83	02964	23416	43	01963	22313	8-	01854	20214
210	20	00963	22483	4-	01963	22425	53	00962	20313	55	01963	20213
220	13	01954	24404							73	01954	22415
230	8-	02965	20385	84	02955	20415	5-	02857	22287	8-	02965	19125
245	2-	81955	24487	26	01962	22414	04	01990	22104	70	00961	24213
260	8-	02854	22415	20	01863	23414	00	00790	23200	03	01890	24103
278	3-	10847	26317	96	02967	32387	00	00890	24180	5-	02867	12117
279	20	02864	19527	53	09636	19527	50	05644	20314	--	81646	31187
285	23	81744	22585							23	05635	28315
288	20	02855	55415	86	01854	53484	4-	02745	20325	5-	02767	20117
575	86	25856	25386	46	01863	24314	5-	25858	00088	57	61864	12128
301	8-	01865	22385	86	02864	22526	50	00752	24482	5-	62447	15168
321	83	02745	21425	26	01753	21323	50	05663	19314	52	61653	23128
299	8-	28659	20395	80	05654	22314	50	05653	24113	57	05655	20327
292	26		21326	26	02856	21387	50	05552	22222	57	02756	00027
310	--	25636	20386							--	01636	24316
614	26	81647	24388	24	02754	53325	04	05690	22214	07	05590	24128

13h. G.M.T. 19th May				18h. G.M.T.			01h. G.M.T. 20th May			07h. G.M.T.		
IIIH	$C_L C_M$	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	53	01744	20414	53	01734	53515	5-	51618	16318	54	22746	12168
334	--	02644	24315							--	02546	24287
340	26	25955	22485	40	01965	22425	54	01862	16214	57	81962	14287
136	26	02764	21426				04	01790	22312	09	05690	20227
336	10	01755	20415	40	01754	20414						
350	26	02964	55515	20	02863	53415	04	05690	20113	07	05690	18126
368	20	01853	20413	24	00961	24313	--	46309	24149	--	44309	10249
379	80	01843	20513	20	01843	20415	5-	05628	18228	03	05690	16126
390	26	01854	24414	46	01754	24414	50	23103	22148	04	05590	20124
882	87	02855	22325	20	01864	20314	54	01863	00014	50	41414	00045
438	--	46109	22549				54	41653	00044	77	04754	06216
430	50	02845	20426	17	02842	20326	--	48209	16149	--	46209	06149
409	20	01843	22414	20	01743	22414	--	57209	16349	57	02844	12427

IH = 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 May
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 ...	cbecy	becbcy	bcbFcw	
Croydon ...	bcy	bcybc	bcb, cm.	
Greenwich ...	cy	bcy	bcbcw⊕	Kew 24 hours ended 7h. Max. Time
Camden Square	bc	c	*	
Kensington ..	bc	bc	*	0·1 5-7 20th
Hampstead ...	bc	bc	bc	Min. <0·1 rest of period.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	66	49	36	-	Tr	12·1	*	*
Croydon ...	67	48	34	-	Tr	11·2	*	*
Greenwich ...	69	46	33	-	-	10·5	46	61
Westminster ..	67	50	46	-	-		65	81
Regents Park ..	67	50	45	-	-		56	68
Camden Square	69	51	45	-	-	*	*	69
Kensington ...	69	49	39	-	-		82	71
Hampstead ...	66	48	45	-	-		*	78

SECRET

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BRITISH SECTION

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

Thursday 21st May 1942

No. 29406

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

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)	13·8	-28	E'N	1	c	66	55	49	8	8	-	7	9	10	2500
	Croydon	15·0	-26	ENE	2	c	66	55	49	8	2	-	8	9	10	3000
	S. Farnborough	14·4	-30	E'S	2	c	66	55	50	8	2	-	-	7-8	10	2500
	Boscombe Down	13·5	-40	E'S	2	c	64	75	60	8	2	-	8	4-6	9	3000
	Thorney Island	13·7	-38	E	4	c	64	65	51	9	8	6	7	4-6	9+	1500
	Lympne	15·8	-30	ESE	2	c	64	55	47	8	2	7	7	1	10	4000
	Manston	15·7	-22	E	2	c	63	65	51	8	2	3	6	Tr	10	3000
2	Shoeburyness	16·2	-28	E'S	3	c	60	75	51	8	8	1	-	2-3	9+	3200
	Felixstowe	16·5	-24	ESE	2	c	58	85	52	7	2	-	6	2-3	9+	3000
	Gorleston	18·2	-8	E'S	2	c	56	75	47	6	-	7	-	0	7-8	-
	Mildenhall	15·2	-26	SE'S	2	c	68	55	49	8	2	-	8	7-8	9	3000
	Cranwell	15·1	-24	E'S	3	c	63	55	48	7	2	7	6	2-3	7-8	3000
3	Birmingham	14·4	-26	SE	2	c	65	45	44	8	1	-	8	1	7-8	4000
	Upper Heyford	14·7	-22	-	0	c	65	45	45	8	2	-	7	4-6	9	3100
4	Ross-on-Wye	14·2	-26	E	2	c	63	65	51	8	2	-	9	9+	9+	3500
5	Hartland Point	12·2	-22	ENE	3	c	61	75	52	8	2	7	8	2-3	9+	2500
	Bristol	14·6	-30	SSE	2	c	62	65	51	8	7	7	7	4-6	10	2500
	Portland Bill	12·7	-34	ENE	3	c	54	85	50	8	5	-	-	10	10	4000
	Plymouth	12·7	-22	E	4	c	60	75	53	8	-	9	-	0	10	-
	The Lizard	12·7	-10	ENE	3	c/pr	52	97	52	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	12·4	-12	ESE	2	c	55	92	52	7	8	7	-	4-6	9+	1200
	Guernsey															
6	Pembroke	14·5	-8	ESE	5	c	57	75	48	7	8	6	-	7-8	9+	2500
7	Holyhead (Valley)	14·7	-22	WNW	2	if	58	75	51	8	8	7	-	4-6	7-8	3000
	Chester (Sealand)	15·3	-12	N'E	1	z₀	65	56	47	5	8	-	-	7-8	9	3000
8	Manchester	14·4	-26	NW'W	1	cjp	65	55	47	7	2	5	2	4-6	7-8	3000
10	Spurn Head	16·5	-14	ENE	3	bc	56	85	49	6	5	2	3	2-3	4-6	4000
	Catterick	15·6	-20	SSE	1	c	62	75	52	8	5	7	-	7-8	10	2800
	Tynemouth	17·9	-6	ESE	3	bc	50	92	49	7	8	3	-	4-6	4-6	2600
11	St. Abbs Head	16·2	-8	E	1	c	55	65	45	7	5	6	-	4-6	7-8	3100
	Leuchars	15·7	-10	NNW	2	c	59	55	42	9	7	-	1	7-8	7-8	3500
12	Renfrew (Abbots I.)	15·5	-14	SW	1	c	64	45	43	8	2	-	-	7-8	7-8	4500
	Eskdalemuir	15·0	-16	-	0	bc	59	55	44	8	7	-	-	4-6	4-6	3200
	Point of Ayre	15·8	-10	SSE	2	c/r	54	97	53	7	8	7	5	1	9+	2000
13A	Tiree	16·2	-4	SWW	1	bc	55	55	42	8	2	-	5	2-3	2-3	3500
13B	Stornoway	15·8	0	WSW	3	c	59	75	52	8	1	4	-	4-6	9+	3000
15	Dalwhinnie	15·4	-4	SW	3	c	57	55	40	8	8	-	-	7-8	7-8	2500
	Aberdeen	15·7	-8	S'W	3	bc	58	45	38	8	4	-	-	2-3	2-3	3000
	Wick	15·7	+2	SSE	2	c/pr	51	75	43	9	8	-	-	9	9	2500
16	Sumburgh	13·9	+10	WSW	4	bc	51	75	45	8	8	4	-	2-3	4-6	2500
17	Blacksod Point	13·3	-10	-	0	c	59	75	51	9	8	-	-	10	10	2600
18	Malin Head	14·7	-8	ESE	3	c/r	61	75	44	8	8	2	-	4-6	10	2500
	Aldergrove	15·0	-14	-	0	c	60	75	50	7	7	7	-	4-6	9+	3000
19	Birr Castle	13·6	-14	S	1	pr	59	75	51	7	8	2	-	7-8	10	1500
20	Valentia Obsy.	11·5	-10	E'S	4	iro	59	75	51	9	8	6	-	9	9+	2500
	Roches Point	12·9	-10	SE	4	c	54	92	52	8	5	1	-	4-6	9+	800

OBSERVATIONS at 18h. G.M.T. 20th May

Stations	Barom. at M.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)	10·8	-20	ENE	2	c	60	65	48	6	8	-	-	9+	9+	2500	1	*
Croydon	11·4	-18	ESE	2	c	60	75	51	7	9	-	-	9+	9+	4200	0	*
S. Farnborough	10·8	-16	SE'S	2	c	61	65	49	8	5	7	8	4-6	9+	2000	0	*
Boscombe Down	11·6	-14	N	2	c	58	85	53	8	8	7	1	4-6	7-8	2500	0	*
Thorney Island	10·9	-22	ESE	3	bc	59	85	52	8	5	6	-	1	4-6	1500	0	*
Lympne	11·7	-22	NE	3	pr	52	85	48	8	9	-	-	7-8	7-8	3000	1	§
Manston	11·9	-14	E'N	1	roro	52	85	48	6	4	7	-	7-8	10	4000	1	*
Shoeburyness	12·3	-18	E'N	3	iro	54	85	49	8	5	2	-	7-8	9+	6000	0	*
Felixstowe	11·9	-18	ENE	3	c	52	85	49	6	5	2	-	4-6	10	4000	0	1
Gorleston	14·5	-20	-	0	z₀	51	92	48	6	-	2	-	0	10	-	0	2
Mildenhall	12·1	-14	E'S	3	c	61	65	49	8	8	7	7	4-6	10	3000	0	*
Cranwell	12·8	-2	E'N	3	c	56	75	48	7	-	7	-	0	10	-	0	*
Birmingham	11·6	-14	SE	1	c	62	55	46	8	8	7	-	2-3	9+	2500	1	*
Upper Heyford	10·9	-14	NE	1	c	63	65	50	7	2	9	-	1	10	4000	0	*
Ross-on-Wye	11·6	-14	WSW	2	u	59	75	50	8	8	7	3	7-8	9+	3000	1	*
Hartland Point	10·5	-16	ESE	2	c	58	75	51	8	5	9	-	2-3	9	2400	1	2
Bristol	12·0	-8	SE	1	c/r	60	85	55	6	2	7	-	2-3	9+	4000	1	*
Portland Bill	11·0	-12	ENE	2	bc	52	85	48	8	2	-	-	4-6	4-6	4000	1	3
Plymouth	11·1	-14	-	0	c	57	92	54	7	8	9	-	Tr	10	1500	0	2
The Lizard	11·1	-4	-	0	c	52	97	52	8	8	2	-	9	10	1100	1	3
Scilly (St. Mary's)	11·3	-6	SW'W	2	c	56	85	52	8	8	4	4	4-6	7-8	1200	1	2
Guernsey																	
Pembroke	11·6	-8	NE'E	3	roro	53	92	51	7	8	6	-	7-8	9+	1500	1	2
Holyhead (Valley)	11·9	-14	ENE	3	c	57	75	48	8	8	7	-	4-6	9+	3000	1	
Chester (Sealand)	12·1	-8	WNW	3	clro	55	85	50	7	9	-	-	7-8	10	2000	0	*
Manchester	12·1	-10	ENE	3	pr	56	92	53	5	9	-	-	4-6	10	1500	1	*
Spurn Head	13·9	-10	E'S	4	c	51	92	49	6	5	2	-	4-6	10	4000	0	3
Catterick	14·5	-2	N	1	rf	51	97	50	3	5	-	-	10	10	1200	1	*
Tynemouth	16·5	-6	SSE	3	c	49	85	46	8	8	-	-	9+	9+	2600	1	2
St. Abbs Head	14·6	-12	SE	3	c	51	75	41	7	-	5	-	7-8	7-8	4000	0	3
Leuchars	13·5	-8	SSE	4	bc	56	65	46	8	5	3	-	4-6	4-6	5000	0	*
Renfrew (Abbots I.)	13·0	-12	-	0	c	64	45	43	8	2	-	-	7-8	7-8	3500	0	*
Eskdalemuir	13·4	-8	ESE	4	c	43	75	36	5	5	7	-	7-8	9+	2500	1	*
Point of Ayre	13·7	-4	SE'S	1	if	51	97	51	3	2	7	-	Tr	10	2500	0	1
Tiree	14·0	-8	NNE	1	bc	52	75	46	8	1	3	5	1	2-3	3500	0	2
Stornoway	14·2	0	NNE	3	bc	52	85	46	9	1	4	9	2-3	4-6	3500	1	1
Dalwhinnie	15·0	-10	SW	2	bc	57	45	35	8	8	-	-	4-6	4-6	4000	0	*
Aberdeen	14·9	-2	SE'E	3	z₀	51	85	46	6	4	-	-	1	1	4000	1	1
Wick	10·9	-6	-	0	bc	49	75	42	9	2	3	-	2-3	4-6	2500	1	*
Sumburgh	14·1	-2	W'N	3	b	50	85	45	8	1	-	1	Tr	1	2500	0	3
Blacksod Point	12·2	-6	-	0	c/r	57	97	56	8	6	2	8	4-6	10	2500	1	0
Malin Head	12·7	-10	E'S	3	c	50	85	46	8	5	-	-	9	9	2500	0	2
Aldergrove	13·3	-2	SE	2	z₀	56	75	50	6	5	3	-	7-8	10	3000	1	*
Birr Castle																	*
Valentia Obsy.	10·7	+2	SSE	2	ir.	55	92	53	6	6	-	-	10	10	1500	1	2
Roches Point	11·3	-10	ESE	4	c	53	92	51	8	5	-	-	9	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 20th (39)	Weather 13h.—18h. 20th (40)	Weather 18h 20th to 1h 21st (41)	Weather 1h.–7h. 21st (42)
London (Kew)	omowcy	cyczo	czw	ewz
Croydon	cymccy	cyc	be	bmgwem
S. Farnborough	ofmcmoc	cyc	cbc	becmz
Boscombe Down	ofcmoc	c	c	ezozmz
Thorney Island	cmobcc	cbc	bec	ezmze
Lympne	cmocy	cycpro	cprbc	emzirz
Manston	mccoc	prorolomo	rrobbm	bbcemzy
Shoeburyness	bccmoc	ciro	cizemz	cmzwe
Felixstowe	cmoc	c	cm	cm
Gorleston	czo	czo	cbclm	be
Mildenhall	cy	cyc	cbmzem	cmzomz
Cranwell	bcmobccy	cyc	cbcmz	cmze
Birmingham	cbcc	cbccy	cbc	becm
Upper Heyford	cbcmoc	cycpro	ccmzoz	ezozm
Ross-on-Wye	cbcc	ccu	epocr	·iromr
Hartland Point	c	ciro	cbec	circ
Bristol	cmoc	clocromi	sprm	spcm
Portland Bill	c	cbc	co	okr
Plymouth	c	cciro	cizm	cdzmz
The Lizard	cprc	cprc	ocl	cw
Scilly (St. Mary's)	c	c	errl	errs
Guernsey				
Pembroke	ifc	croro	c	c
Holyhead (Valley)	croif	cciroc	c	cemz
Chester (Sealand)	czoy	czoytlro	c	ezozm
Manchester	gczobcy	cpromo	epzmz	emzw
Spurn Head	bc	bcmo	c	c
Catterick	c	cpromorf	ewfcf	crolzm
Tynemouth	bc	bcc	eiro	cbc
St. Abbs Head	bbccmo	cmobc	bcbb	b
Leuchars	bcy	bc	be	cwpc
Renfrew (Abbots I.)	bcmobc	bcy	c	cmzbcz
Eskdalemuir	bcpro	bcczo	cim	cmbcz
Point of Ayre	cffciro	cif	ifbcb	bbcew
Tiree	cprbc	bc	bcc	
Stornoway	bcc	cbc	cbc	bcb
Dalwhinnie	cy	cbcy	*	bcc
Aberdeen	bbcy	bcybzo	bczb	bbc
Wick	cpro	cprbc	bbc	bce
Sumburgh	bcprocbbc	bcb	bbc	bcbbe
Blacksod Point	r	r	c	c
Malin Head	r	c	c	r
Aldergrove	cmoc	cmo	cmzbcjlm	bcejfF
Birr Castle	pr		*	pr
Valentia Obsy.	r	r	r	c
Roches Point	r	bc	d	d

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

Districts	Forecast
1 S.E. England	Light variable winds, dull; a period of continuous rain; possibly some brighter periods tomorrow; rather cool.
2 E. England, 3 E. Midlands, 4 W. Midlands	Light northeasterly to variable winds; cloudy or dull; some occasional rain; cool.
5 S.W. England, 6 South Wales	Light to moderate northwest winds; becoming mainly fair with bright periods; average temperature.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England	Light easterly to variable winds; mainly cloudy; some light local rain; rather cool.
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Light variable winds; fair; average temperature.
16 Orkneys and Shetlands	As 11-15
17 N. W. Ireland, 18 N. E. Ireland	As 7-10
19 S. E. Ireland, 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

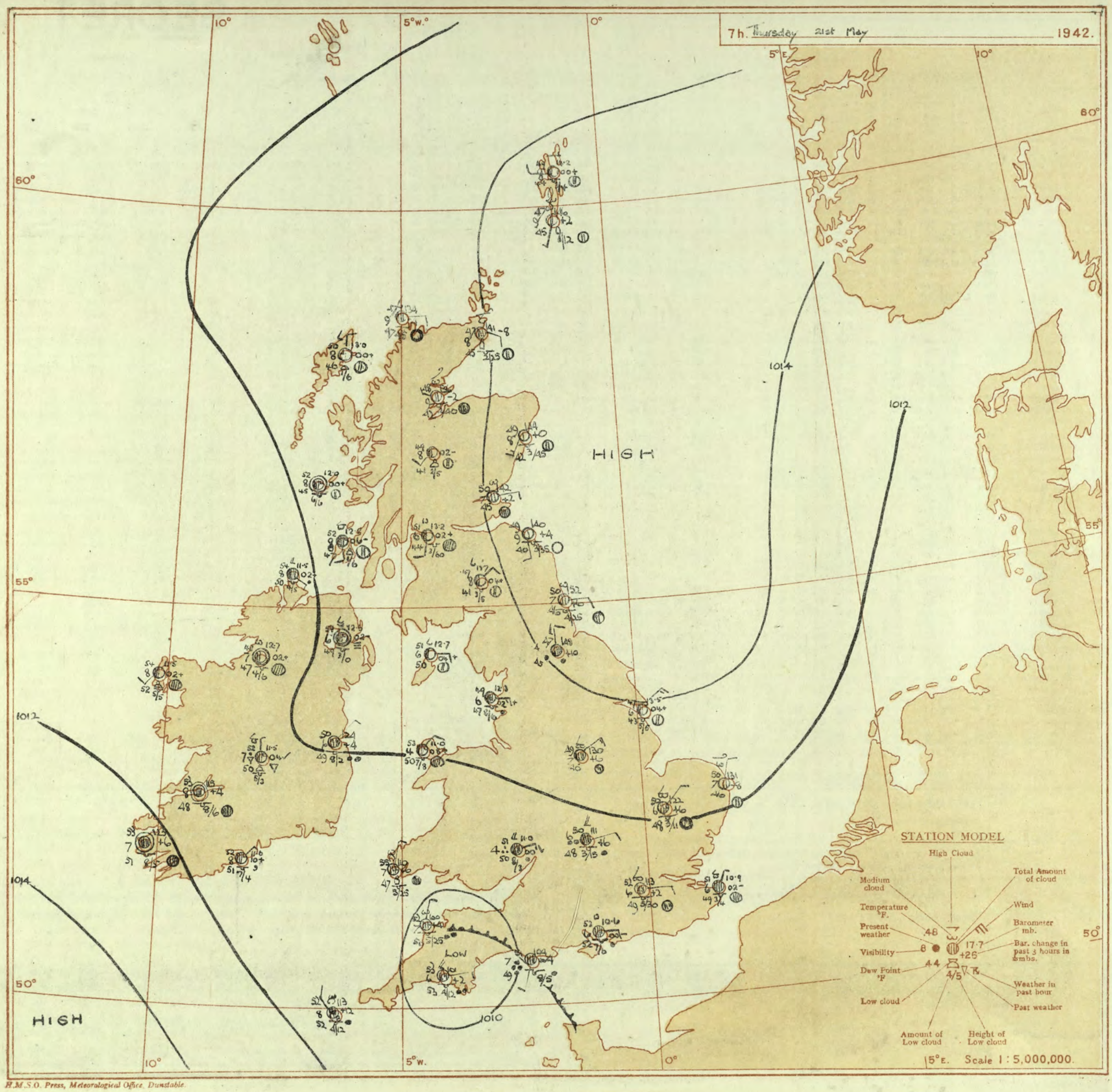
A small anticyclone covers the northern half of the North Sea, whilst a small depression over Devon will move eastwards causing a rather prolonged period of rain in southern England. In Scotland mainly fair weather will continue.

FURTHER OUTLOOK

An interval of mainly fair weather followed by a deterioration spreading from the West.

Forecasts issued at 10·30 GMT.

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.

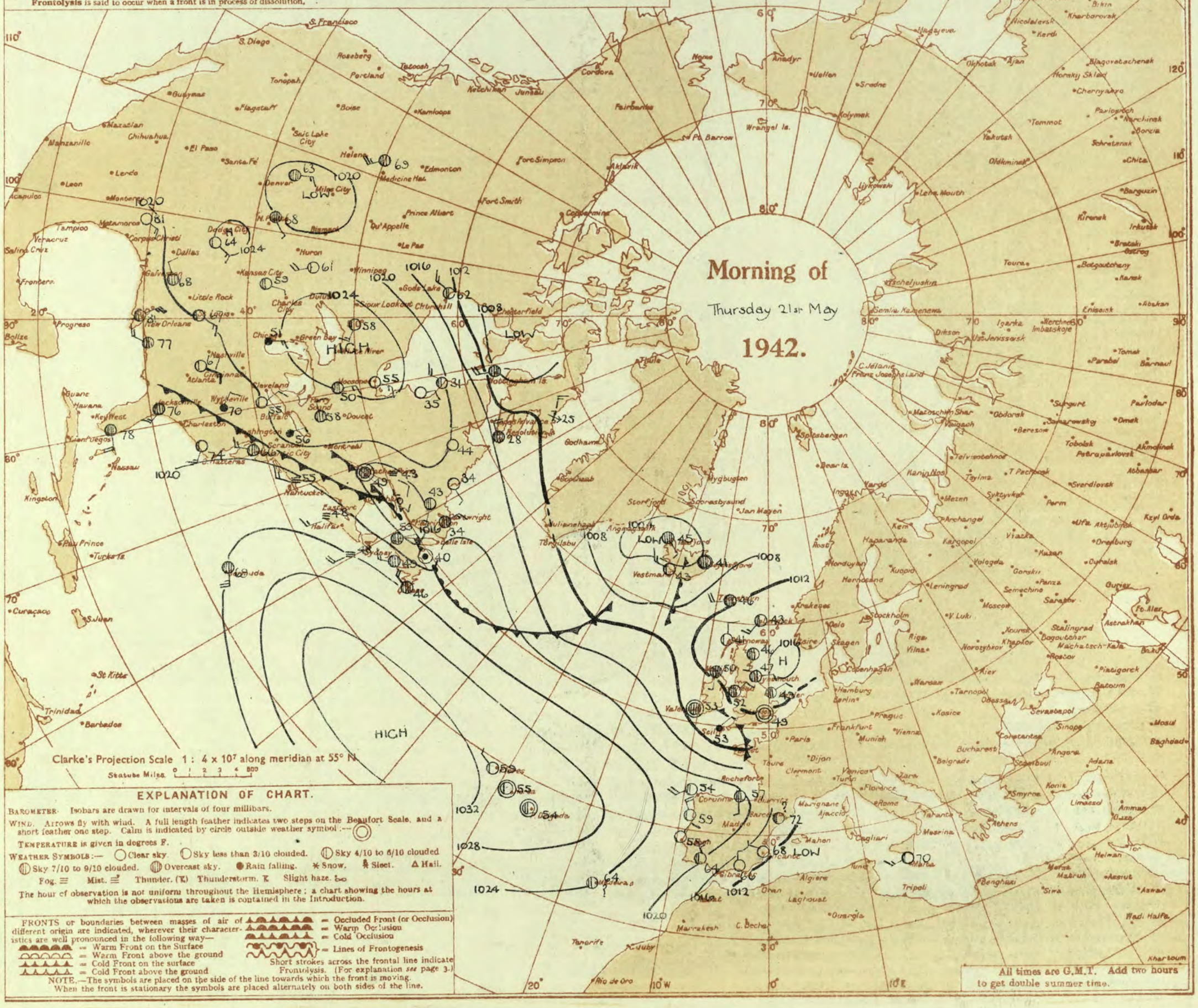
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Page 4.

BRITISH SECTION

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

Thursday 21st May 1942

No. 89402

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

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	11.8	-2	-	0	z	49	87	46	5	-	-	-	0	0	-
	S. Farnborough	226	11.2	-2	E	1	bc	52	92	50	7	5	3	8	4-6	4-6	3000
	Boscombe Down	417	11.6	-6	N	1	c	54	92	52	7	-	7	-	0	10	-
	Thorney Island	10	11.2	-6	-	0	c	51	87	50	7	-	3	-	0	10	-
	Lympne	283	12.4	-2	NW	1	z	50	87	49	6	5	-	-	9	9	5000
	Manston	154	11.3	-6	-	0	z	48	92	47	6	-	4	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	11.7	-6	NNE	2	z	51	85	47	6	-	7	-	0	9+	-
	Gorleston	5	12.8	+2	NNE	3	z	49	92	47	6	-	4	-	0	2-3	-
	Mildenhall	15	12.3	-2	-	0	z	49	92	46	6	-	7	-	0	9+	-
	Cranwell	203	12.7	-2	NE'E	3	z	47	92	47	6	-	7	-	0	4-6	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10.8	-2	ENE	2	r̊r̊	53	86	47	6	5	7	-	7-8	10	5500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10.6	-8	NE	2	c	53	89	49	8	5	-	-	7-8	7-8	2500
	Bristol	209	11.6	-6	-	0	r̊	55	92	52	6	-	2	-	10	10	6000
	Portland Bill	32	11.0	-6	S	2	o	50	92	49		5	-	-	10	10	2500
	Plymouth	82	10.9	-6	-	0	r̊	52	87	52	6	5	-	-	10	10	200
	The Lizard	240	11.1	-4	-	0	c&	50	87	50	7	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	10.7	-4	NE	1	r̊r̊	53	87	53	7	8	2	-	7-8	9+	1200
	Guernsey	175															
6	Pembroke	142	11.0	-6	NNE	3	c	53	92	51	7	8	3	-	7-8	7-8	4000
7	Holyhead (Valley)	32	10.8	-10	NE	2	c	52	85	48	8	5	7	-	2-3	7-8	3000
	Chester (Sealand)	16	12.1	-2	E'N	1	m	54	85	50	4	5	7	-	2-3	10	3000
8	Manchester	235	12.4	-2	E	3	=	52	92	49	6	5	7	-	7-8	10	3000
10	Spurn Head	29	14.1	0	ENE	2	c	49	75	44	7	2	6	-	4-6	9+	2500
	Catterick	175	14.3	-2	-	0	[illegible]	47	92	46	3	5	-	-	10	10	900
	Tynemouth	108	15.5	-2	E	1	z	47	92	45	6	8	-	-	9	9	2500
11	St. Abbs Head	280	14.1	-4	SE	2	b	46	82	43	7	5	-	-	Tr	Tr	4000
	Leuchars	36	14.2	-4	-	0	bc	46	87	45	7	5	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	12.9	0	-	0	c	48	80	44	6	5	7	-	7-8	7-8	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12.5	+4	*-	0	z	47	97	47	6	*-	*4	*-	*0	*1	*
13A	Tiree	22	14.1	-6	N	1	c	50	85	46	8	5	-	-	9	9	3500
13B	Stornoway	80	13.8	-2	N	2	bc	41	97	41	7	5	4	-	1	2-3	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	14.6	-6	SSW	1	c	46	75	39	8	5	-	-	9+	9+	4400
	Wick	114	15.3	-6	-	0	bc	42	92	42	9	5	4	-	1	2-3	3000
16	Sumburgh	19	14.8	0	WSW	1	bc	46	97	45	8	5	4	3	Tr	2-3	900
17	Blacksod Point	18	11.8	-2	-	0	c	53	85	49	8	8	-	-	10	10	1500
18	Malin Head	84	12.1	-6	S	1	c	50	92	48	8	5	2	-	7-8	10	2500
	Aldergrove	268	12.8	-2	E'N	1	z	46	97	45	6	5	4	3	4-6	9+	570
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11.5	0	-	0	c	53	97	52	8	5	-	-	10	10	4000
	Roches Point	22	11.0	-4	E	2	s/d	51	97	50	8	5	-	-	9+	9+	800

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

Stations	Barom. at M.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)	10.7	+4	ESE	2	z	54	75	47	6	5	-	-	9+	9+	2500	1	*
Croydon	11.3	+2	E	2	z	52	92	49	6	5	7	-	7-8	10	3000	0	*
S. Farnborough	10.9	+6	ENE	2	z	52	85	48	6	5	7	-	7-8	10	4000	0	*
Boscombe Down	10.9	+4	SE	2	r̊r̊	53	97	52	6	-	2	-	10	10	400	1	*
Thorney Island	10.6	0	E	2	z	53	92	52	6	5	3	-	9+	10	4000	0	*
Lympne	11.2	-2	N	1	z	51	92	49	6	5	7	-	2-3	10	6000	1	§ 2
Manston	10.9	-2	NE'N	1	z	51	92	49	6	5	7	-	2-3	10	1500	1	*
Shoeburyness	12.1	+2	NE'N	2	o	52	92	50	6	5	-	-	10	10	5500	1	*
Felixstowe	11.5	0	NE	2	z	50	92	48	6	5	-	-	10	10	4500	0	1
Gorleston	13.1	-8	NNE	2	bc	50	85	46	7	-	3	1	0	4-6	-	0	2
Mildenhall	12.2	+6	NE	2	z	50	92	48	6	5	7	-	2-3	9	1100	0	*
Cranwell	13.0	+6	NE'E	3	c	49	75	40	7	-	7	-	0	10	-	0	*
Birmingham	12.1	+4	ENE	3	m	49	85	45	4	5	-	-	9+	9+	4000	1	*
Upper Heyford	11.1	+6	ENE	2	r̊r̊	50	92	48	6	5	2	-	2-3	10	1500	1	*
Ross-on-Wye	11.0	0	ENE	1	rr	51	97	50	4	-	2	-	10	10	800	1	*
Hartland Point	10.0	+4	NNE	2	c/r	52	92	50	7	5	3	-	7-8	9+	2500	1	1
Bristol	10.9	+2	NE	1	r̊r̊	53	97	52	5	5	2	-	9	10	1500	1	*
Portland Bill	10.4	-4	SSW	2	R	51	92	49	7	5	-	-	10	10	2500	1	3
Plymouth	10.1	+2	ENE	1	c/r	53	97	53	6	5	2	-	4-6	10	1200	1	2
The Lizard	10.1	0	NW	3	c	51	97	51	8	8	2	-	7-8	9+	1000	1	3
Scilly (St. Mary's)	11.3	+12	NW'N	2	c	52	97	52	8	8	6	-	4-6	7-8	1200	1	2
Guernsey																	
Pembroke	11.0	+6	NNE	2	c	55	75	47	7	8	6	-	7-8	9+	2500	1	2
Holyhead (Valley)	11.0	+8	NE	2	cm	53	92	50	4	5	-	-	9+	9+	7000	1	3
Chester (Sealand)	12.2	+6	E	1	rr	52	92	50	4	5	-	-	10	10	1000	1	*
Manchester	12.4	+6	NE	2	z	49	92	47	5	5	7	-	7-8	9+	4000	1	*
Spurn Head	13.0	+4	NE'N	3	z	47	80	43	6	5	-	-	7-8	7-8	2500	0	2
Catterick	14.8	+10	N	2	r̊	47	92	45	4	-	2	-	0	10	-	1	*
Tynemouth	15.2	+6	E	2	bc	50	85	46	7	5	3	-	4-6	4-6	2500	1	2
St. Abbs Head	14.0	+4	SSE	2	bc	49	75	40	9	5	-	-	2-3	2-3	3500		3
Leuchars	14.2	+2	E	1	bc	50	85	45	7	-	3	-	0	4-6	-	0	*
Renfrew (Abbots I.)	13.2	+2	E	2	z	51	75	43	6	5	3	-	2-3	4-6	4000	0	*
Eskdalemuir	13.7	+4	NE	2	bc	47	75	41	8	5	4	-	2-3	4-6	2500	1	*
Point of Ayre	12.7	+4	ES	2	z	51	92	50	6	-	4	-	0	4-6	-	0	2
Tiree	12.0	0	-	0	cjf	52	75	45	8	5	-	-	9	9	3500	0	
Stornoway	13.0	0	NNE	2	b	50	85	46	8	1	4	-	Tr	1	3500	0	1
Dalwhinnie	14.0	-2	SW	2	c	49	75	41	8	2	-	-	1	7-8	2500	0	*
Aberdeen †	14.4	0	SW'S	3	bc	49	75	42	8	5	-	-	2-3	2-3	4500	0	1
Wick	14.1	-8	ESE	2	c	47	92	45	8	8	4	8	1	7-8	2500	1	*
Sumburgh	14.6	+2	SSW	1	bc	47	92	45	9	1	3	9	Tr	4-6	1200	0	1
Blacksod Point	11.5	+2	SW	?	c	54	92	52	8	8	-	-	7-8	7-8	2500	0	1
Malin Head	11.5	+2	SE	1	c	54	85	50	8	5	2	-	4-6	10	2500	0	1
Aldergrove	12.6	-2	-	0	cjf	51	92	55	6	5	9	-	2-3	9+	<150	1	*
Birr Castle	11.5	+4	N	1	pr	52	92	50	7	8	7	-	7-8	9	800	1	*
Valentia Obsy.	12.3	+6	-	0	c	53	92	51	7	5	-	-	10	10	2500	1	1
Roches Point	11.6	+10	NE	1	c	52	97	51	8	5	-	-	9+	9+	1500	1	*+

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
London (Kew)	66	51	43	-	-	3.8
Croydon	68	47	43	-	Tr	4.5
S. Farnborough	67	50	44	-	-	2.9
Boscombe Down	65	50	42	-	Tr	1.8
Thorney Island	68	49	45	-	Tr	*
Lympne	65	47	45	1	Tr	4.7
Manston	64	47	40	0.1	0.1	6.9
Shoeburyness	63	46	38	Tr	-	5.2
Felixstowe	61	47	45	-	-	6.0
Gorleston	59	43		-	-	8.3
Mildenhall	71	46	45	-	-	6.6
Cranwell	65	46	43	Tr	-	6.2
Birmingham	66	48	48	-	-	5.0
Upper Heyford	66	50	49	Tr	2	*
Ross-on-Wye	65	51	50	-	3	4.3
Hartland Point	62	51	50	0.5	3	2.4
Bristol	64	52	49	1	1	9.1
Portland Bill	54	48	*	-	8	*
Plymouth	61	51	51	0.2	5	1.7
The Lizard	54	48	*	3	Tr	0.5
Scilly (St. Mary's)	59	50	*	-	5	5.1
Guernsey						
Pembroke	60	50	*	7	0.1	0.0
Holyhead (Valley)	61	51	49	Tr	-	*
Chester (Sealand)	65	52	50	-	3	2.9
Manchester	66	49	48	1	0.4	*
Spurn Head	61	45	*	-	-	8.0
Catterick	63	46	45	5	1	3.4
Tynemouth	56	46	45	-	0.1	*
St. Abbs Head	56	(45)	*	-	-	
Leuchars	61	49	41	-	-	13.8
Renfrew (Abbots I.)	67	45	41	-	-	11.1
Eskdalemuir	60	44	42	Tr	-	4.9
Point of Ayre	58	44	*	Tr	-	2.2
Tiree	58	49	*	-	-	9.5
Stornoway	60	41	*	Tr	-	11.9
Dalwhinnie	59	38	31	-	-	8.6
Aberdeen †	59	45	41	-	-	13.5
Wick	55	37	34	3	-	*
Sumburgh	53	41	37	Tr	-	12.2
Blacksod Point	59	51	*	1	Tr	*
Malin Head	52	49		Tr	0.1	
Aldergrove	60	42	35	0.1	7	0.2
Birr Castle	50	50	45	*	1	0.1
Valentia Obsy.	64	51	46	9	2	
Roches Point	55	51	*	4	0.1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 20th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 21st May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 8-	01864	24514	8-	01863	24313	07	00890	00003	53	01873	08204
115 54	02854	22485	54	01963	20224	54	01953	12214	54	02954	08225
203 10	00952	20322				05	01990	04113	06	01990	16114
206 8-	01965	24315	80	01963	10113	50	00862	00012	53	01962	26124
210 7-	01964	32314	26	01963	05313	56	00861	00011	53	01874	20214
220											
230 83	01963	24164	73	01965	00115	03	02890	04126	03	02890	00027
245 10	01964	14314	10	01763	16313	50	01863	00013			
260 28	05665	03115	7-	05656	06216				00	05530	03110
278 83	02864	14227	87	02964	10327	07	05690	00015	57	02754	12116
279 87	05653	26224	87	81655	20228	57	05653	04314	5-	22667	04467
285 --	02744	24417							5-	05638	18128
288 86	02865	16227	8-	81458	02288	5-	05868	02268	57	22565	02368
575 87	02855	14268	87	62864	00068	53	01763	09114	53	04764	00024
301 23	05651	28263	87	05564	31328	5-	62568	06368	5-	22668	09368
321 8-	13767	06327	82	61665	04368	52	61448	02268	57	02764	02265
299 54	01763	06104	54	01764	10215	00	02757	02217	50	02755	02315
292 23	02856	06167	87	81750	06288	5-	02668	00028	52	02566	28128
310 --	03626	26226							--	02628	32448
614 23	05665	08227	23	02751	06228	50	47341	06261	5-	05668	04228

IIIC_L C_M (13h. G.M.T. 20th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 21st May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 27	02953	24327	23	02853	08316	5-	22754	00068	52	61664	26168
334 --	02753	32214							--	02546	18217
340 14	01862	04215	07	61690	04268	5-	05668	08268	53	05647	08327
336 10	02764	06227	57	02783	05228	5-	48209	04129	09	02890	02225
336 70	01763	12314	57	02753	16328				--	57309	16359
350 27	02864	10126	57	02864	08128	47	05676	07218	57	62565	03368
368 51	02774	08348	87	22764	12167	57	61646	12168	59	22665	06268
379 2-	02854	16126	07	02890	08128	5-	61678	04288	52	62426	06268
390 20	05654	08218	52	05666	12228	07	22590	04165	5-	05588	04128
382 73	02854	12127	39	62853	00068	5-	62778	00068	52	61665	00068
438 5-	02758	04328	87	01843	04214				8-	61647	12287
430 8-	02853	08328	47	01872	12223	5-	05665	16115	5-	22534	10228
409 5-	66648	12468	67	61745	17268	--	57109	20159	52	05627	32228

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 21st May
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	om₀wcy	cycz₀	cwz₀
Croydon	cymcy	cyc	bm₀wc
Greenwich	c⊕c	c	cbccir₀
Camden Square	c	c	*
Kensington	bcc	c	*
Hampstead	bc	bcp	0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max 0.1 Time 16-24h 20th. Min. <0.1 Time 10-15h 20th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	66	51	43	-	-	3.8	*	*
Croydon	68	47	43	-	Tr	4.5	*	*
Greenwich	68	47	33	-	Tr	5.0	65	83
Westminster	68	53	49	-	-		77	90
Regents Park	68	51	45	-	-		59	75
Camden Square	69	52	45	-	-	*	*	78
Kensington	69	52	43	-	-		73	80
Hampstead	68	48	47	Tr	-		*	83

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

BRITISH SECTION

SECRET

Friday 22nd May 1942

No. 29401

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 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)	12.0	0	ESE	2	r_0r_0	55	85	51	5	6	2	-	9	10	1500
	Croydon	11.7	+2	NE	3	r_0r_0	53	92	51	5	5	2	-	4-6	10	2000
	S. Farnborough	11.7	+6	E'S	2	r_0r_0	56	85	50	6	5	3	-	7-8	9+	1000
	Boscombe Down	11.6	+2	E'N	3	pr	58	75	48	6	8	7	-	7-8	9	1200
	Thorney Island	11.2	+2	ENE	3	c	56	75	58	8	7	-	-	10	10	4000
	Lympne	12.3	+2	NNE	2	c/r	52	92	50	6	5	-	-	10	10	1200
	Manston	11.6	+4	NNE	2	z_0	52	85	49	6	5	7	-	9+	10	700
2	Shoeburyness	12.5	+2	ENE	3	r_0r_0	53	85	50	6	5	2	-	7-8	10	1300
	Felixstowe	12.0	+4	NE'E	3	c	53	75	47	7	7	7	-	4-6	10	4000
	Gorleston	13.4	-2	NE	3	z_0	48	85	43	6	5	-	-	10	10	1500
	Mildenhall	11.7	-4	NE'N	3	c	61	65	49	8	1	7	-	1	9	3000
	Cranwell	12.8	-4	ENE	3	c	57	65	46	7	1	7	-	Tr	9+	4000
3	Birmingham	11.9	0	E	2	bc	61	65	49	7	1	-	-	4-6	4-6	4000
	Upper Heyford	10.8	-6	E'N	2	c	61	65	47	7	2	3	-	7-8	7-8	3000
4	Ross-on-Wye	11.6	0	NE	2	bc	60	65	51	8	2	4	9	2-3	4-6	3500
5	Hartland Point	11.7	+8	ENE	2	c	56	85	52	7	2	6	-	2-3	7-8	2500
	Bristol	12.2	+4	NE	2	c	58	75	51	6	8	7	-	2-3	9+	4000
	Portland Bill	10.1	0	SW	2	o	50	92	47	6	5	-	-	10	10	2500
	Plymouth	11.4	+2	N	3	c	63	75	53	8	8	3	-	7-8	9	3500
	The Lizard	12.5	+14	NW	3	bc	58	85	54	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	13.6	+14	W'N	3	bc	60	75	52	8	7	4	5	4-6	4-6	1200
	Guernsey															
6	Pembroke	12.1	+8	WNW	2	c	58	85	51	7	2	6	-	4-6	7-8	2500
7	Holyhead (Valley)	11.4	+4	SW'S	2	bc	58	75	50	7	2	3	-	1	7-8	2500
	Chester (Sealand)	12.3	-6	ENE	1	m/f	54	85	50	4	5	-	-	9+	9+	6500
8	Manchester	12.7	-22	NE'E	2	ir_0	56	75	47	5	5	-	-	10	10	3000
10	Spurn Head	13.9	0	ENE	3	c	49	75	42	7	5	-	-	9+	9+	800
	Catterick	14.2	-2	NNE	1	c	55	75	46	8	5	7	-	4-6	9	2600
	Tynemouth	15.6	0	SE	3	bc	53	85	48	8	2	4	1	2-3	4-6	2500
11	St. Abbs Head	13.5	0	SE	4	b	53	75	45	8	2	-	-	1	1	4000
	Leuchars	13.5	-2	ESE	2	b	56	75	48	8	1	-	9	1	1	3500
12	Renfrew (Abbots I.)	12.2	0	—	0	pr	59	65	47	8	8	7	-	9+	10	3000
	Eskdalemuir	12.3	-2	S	2	c	59	55	41	8	5	-	-	9	9	2200
	Point of Ayre	13.0	+2	S'E	4	b	59	75	50	7	1	4	5	Tr	1	2000
13A	Tiree	12.7	0	SE	2	c	56	85	53	7	5	-	-	9+	9+	2500
13B	Stornoway	12.1	-12	SE	3	c	53	85	48	8	5	4	2	4-6	9	3000
15	Dalwhinnie	13.0	0	S	2	c	52	92	52	8	8	-	-	7-8	7-8	2500
	Aberdeen	13.6	-2	S'W	4	bc	54	65	52	9	8	-	-	2-3	2-3	3000
	Wick	13.1	-8	E'S	3	bc	53	75	45	8	2	4	-	Tr	4-6	3000
16	Sumburgh	14.7	+2	SSE	1	b	51	75	44	9	2	-	-	1	1	1500
17	Blacksod Point	11.2	-2	WSW	3	c	59	75	51	8	8	3	-	4-6	7-8	2500
18	Malin Head	11.0	-2	—	0	c/r	58	85	53	8	5	1	-	4-6	10	2500
	Aldergrove	12.4	-2	NW'W	1	c	56	75	49	6	9	-	-	9+	9+	2000
19	Birr Castle	11.5	-4	NNW	1	c	63	45	43	7	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	12.5	+2	SW	3	c/pr	58	85	53	8	5	-	-	10	10	1500
	Roches Point	12.4	+4	W'S	2	c	44	85	40	8	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 21st May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 8 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. 21st (39)	Weather 13h.–18h. 21st (40)	Weather 18h. 21st to 1h. 22nd (41)	Weather 1h.–7h. 22nd (42)
London (Kew)	12.6	+10	SSW	1	z_0	58	75	50	5	5	3	9	2-3	4-6	5700	1	*	$cr_0r_0m_0$	r_0ir_0bc	bcm_0w	bccw
Croydon	12.5	+6	S'E	1	z_0	56	85	50	6	-	3	-	0	4-6	-	1	*	$cm_0r_0r_0$	$cbcm_0$	cm_0bmw	bmw9f
S. Farnborough	12.5	+8	SE	1	c	59	65	47	8	8	-	-	9	9	2500	1	*	crr_0m_0	$cr_0pr_0bcm_0c$	$bcbm_0w$	bm_0wbcc
Boscombe Down	12.7	+12	—	0	z_0	60	65	48	7	2	6	-	4-6	4-6	2500	1	*	cir_0m_0	cir_0m_0bc	cm_0bm	$fofeid_0$
Thorney Island	13.0	+12	W'S	2	c	56	85	52	7	5	6	-	4-6	7-8	4000	1	*	cf_0m_0c	$ccpr_0cbc$	bfbm	bmodf
Lympne	13.1	+8	N'E	1	c/r	53	85	50	6	5	7	-	4-6	9+	1500	1	§2	cm_0ir_0	cm_0ir_0	cm_0bw	fefe
Manston	12.5	+10	NNE	2	m	49	97	48	4	5	-	-	10	10	200	1	*	$ir_0d_0r_0m_0$	cm_0id_0m	$ambm_0w$	$bfefm_0$
Shoeburyness	12.7	+2	ENE	2	c	51	92	49	6	5	3	-	9	9+	500	1	*	$cm_0r_0r_0c$	$cr_0r_0m_0$	cm_0	bcmwb
Felixstowe	12.6	+4	ENE	4	z_0	52	85	47	6	1	7	6	1	2-3	2500	0	2	cm_0c	cm_0bcm_0	bcm_0bw	bfb_0c
Gorleston	13.9	+2	NE	3	c	50	85	46	7	-	3	-	0	9	-	0	3	ccm_0	c	cb	cwc
Mildenhall	12.7	+12	NNE	2	bc	60	65	46	8	7	4	6	1	2-3	3000	0	*	oc	ccybc	bm_0w	bm_0wcm
Cranwell	13.1	+6	NE	3	bc	55	65	45	8	4	5	-	Tr	2-3	3500	0	*	c	cbc	cm_0	cm_0cf
Birmingham	12.1	+2	E	2	bc	61	55	45	7	8	-	-	4-6	4-6	4000	1	*	cbc	bc	bcprc	cz
Upper Heyford	11.7	+6	—	0	c	60	65	47	6	2	4	-	4-6	7-8	2500	0	*	$r_0r_0cm_0c$	cbccy	czcbz	bccof
Ross-on-Wye	12.0	+4	SW'W	2	bc	61	65	50	7	8	-	-	2-3	2-3	4000	1	*	rrcbc	bcc	bcc	c
Hartland Point	13.5	+12	W	3	c/f	53	92	51	6	5	-	-	9+	9+	200	1	1	c	cbcf	cbcc	pir_0m_0c
Bristol	12.8	+4	S	1	bc	62	55	48	7	2	3	-	1	4-6	4000	1	*	$cm_0r_0d_0$	cz_0bcy	bcm_0cm	cm_0c
Portland Bill	12.6	+10	NE	2	c	52	92	50	7	5	-	-	7-8	7-8	4000	1	3	of_0f_0	oc	bcc	c
Plymouth	13.1	+6	SE	2	bc	61	85	44	7	8	3	-	2-3	4-6	2000	1	2	cm_0c	cpr_0bc	cm_0bwc	m_0bwcm
The Lizard	14.2	+16	WNW	3	bc	55	85	51	8	8	4	-	4-6	4-6	2500	1	3	bc	bc	cpr_0c	prprc
Scilly (St. Mary's)	14.5	+2	WSW	3	bc	58	85	54	8	8	4	-	4-6	4-6	1200	1	2	cbc	bccbc	bccw	cir_0c
Guernsey																					
Pembroke	13.0	+2	W'S	3	bc	54	92	52	8	2	1	6	2-3	4-6	3000	1	2	c	bc	cw	
Holyhead (Valley)	11.4	+4	S'W	1	z_0	57	75	49	6	-	7	1	0	9	-	1	2	cmz_0	bcbbc	cm_0	ir_0id_0m
Chester (Sealand)	12.0	+2	NE'E	2	cjf	59	75	50	4	5	7	-	2-3	9+	7000	0	*	cr_0r_0mf	$bccz_0$	$crrr_0r_0$	$cr_0ir_0r_0$
Manchester	12.5	+4	SSW	3	z_0	58	75	51	6	-	3	-	0	7-8	-	1	*	cz_0ir_0	ir_0z_0	irrrm	ir_0m_0
Spurn Head	14.3	+4	E	3	o	48	85	45	7	5	-	-	10	10	1500	0	2	c	o	o	o
Catterick	14.0	+2	SE	2	bc	56	65	45	8	1	3	-	1	4-6	2500	1	*	cmc	cbc	$bcccm_0$	cm_0cm
Tynemouth	15.7	0	SE	3	bc	50	85	43	8	-	4	-	0	2-3	-	1	2	bc	bc	bcb	$bccm_0$
St. Abbs Head	12.8	-4	SE	4	b	50	75	42	9	1	-	-	Tr	Tr	4000	0	3	b	b	b	$bbcm_0$
Leuchars	12.0	-2	ESE	3	bc	58	65	47	8	-	3	9	0	2-3	-	0	*	b	b	$bbcm_0$	bcm_0cm_0
Renfrew (Abbots I.)	11.8	0	WSW	2	z	60	65	49	6	5	7	-	4-6	7-8	3500	0	*	cpr_0	cpr_0c	$cbcm_0w$	$cfid_0$
Eskdalemuir	11.8	0	SE'S	3	bc	59	55	40	8	5	-	-	4-6	4-6	2500	0	*	bbccy	cbcy	bbc	cor_0
Point of Ayre	12.0	-4	S	3	b	56	85	50	7	-	4	5	0	1	-	0	2	cbcb	b	$bbccz_0$	mffpp
Tiree	11.2	-8	SSE	1	bc	55	75	49	7	5	3	-	4-6	4-6	3500	0	2	cid_0ir_0	crc	r	c
Stornoway	10.5	-4	ESE	3	c	51	92	49	8	5	7	-	7-8	9+	2500	0	-1	bcc	c	c	cr_0r_0
Dalwhinnie	11.7	-2	SW	3	c	56	55	40	7	5	3	-	7-8	9+	2500	0	*	cy	cy	*	cpr_0o
Aberdeen	12.9	-2	S'W	4	c	50	75	41	8	5	-	-	9+	9+	4100	0	3	bcb	bbcc	cir_0c	cbz_0w
Wick	12.1	-6	ESE	3	bc	51	85	46	8	1	3	1	2-3	4-6	3000	0	*	cbc	bcbbc	c	cprcbc
Sumburgh	14.3	+2	SSE	2	b	50	85	44	9	-	-	-	0	0	-	0	1	b	b	b	bcbc
Blacksod Point	10.4	-6	SW'W	4	ir	55	92	53	8	6	2	-	4-6	10	1500	1	3	c	r	pr	bc
Malin Head	09.9	-2	S	1	TLR	55	85	51	7	9	2	-	4-6	10	2500	0	1	r	tlr	r	r
Aldergrove	11.2	-6	SE'S	3	z_0	58	75	48	6	5	3	-	4-6	9+	4500	0	*	cm_0c	cz_0	cz_0m_0cr	rrm_0bcc
Birr Castle	10.3	-2	S	1	c	59	75	51	7	3	7	-	2-3	9	800	1	*	pr	pr	*	r
Valentia Obsy.	12.6	+2	W'S	8	bc	56	85	51	9	2	4	3	1	7-8	2500	1	4	pr	pr	r	bc
Roches Point	12.0	-4	SW	3	c/pr	57	92	55	8	3	3	-	4-6	7-8	1500	1	4	bc	pr	pr	b

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate west wind decreasing and backing later. Bright intervals and thundery showers at first, fair later. Cool.
5 S.W. England, 6 South Wales	Moderate west wind backing South and freshening later. Bright intervals, local showers. Rain later in periods 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, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	As 1-4
16 Orkneys and Shetlands	As 1-4.
17 N. W. Ireland	As 5-6
18 N. E. Ireland	As 0-4
19 S. E. Ireland, 20 S. W. Ireland	As 5-6

GENERAL INFERENCE

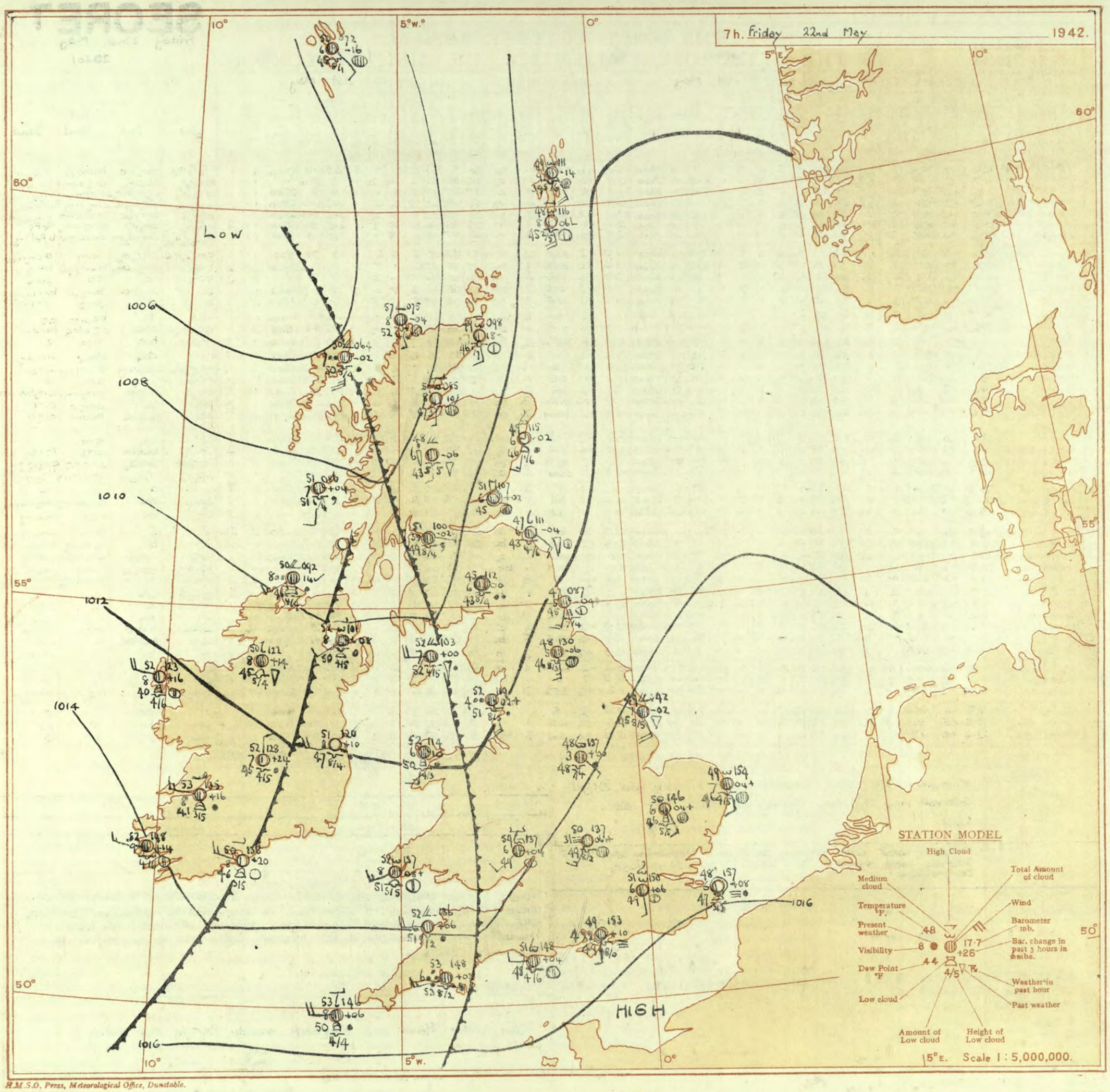
Troughs of low pressure are crossing the British Isles followed by a wedge of high pressure. A depression is expected to southwest districts later. There will be bright intervals and showers at first with local thunderstorms followed by a fair interval. Later rain is expected in Southwest districts.

FURTHER OUTLOOK

Rain in the South and Midlands, mainly fair in the North.

Forecasts issued at 10-30 G.M.T.

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



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.

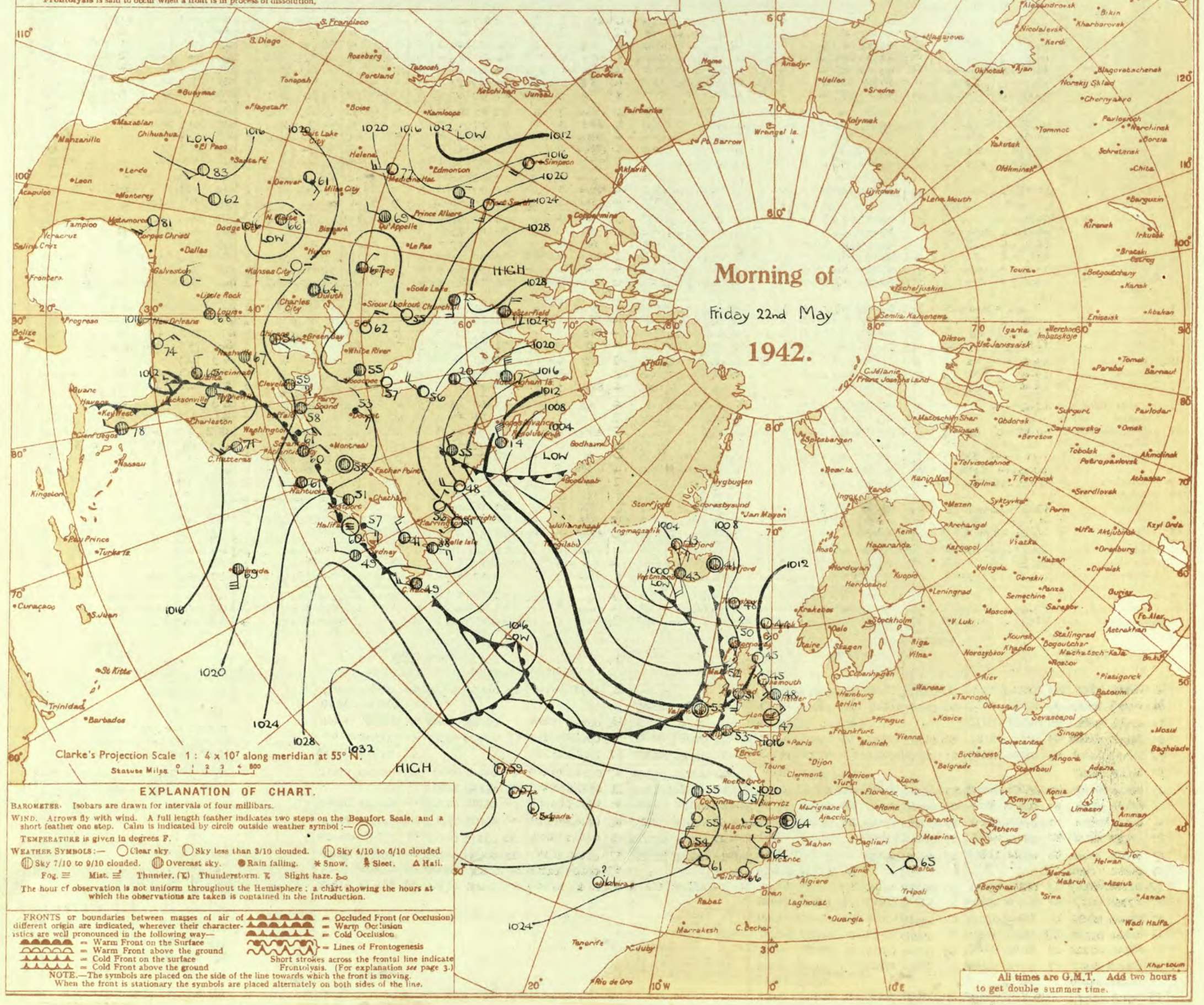
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

BRITISH SECTION

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

Friday 22nd May 1942

No. 29401.

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

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	14.2	+2	-	0	3	47	87	47	4	5	-	-	1	1	6000
	S. Farnborough	226	14.3	+2	S	1	3	48	82	46	5	-	-	-	0	0	-
	Boscombe Down	417	14.3	+2	-	0	0	49	87	40	0	-	-	-	0	0	-
	Thorney Island	10	14.5	+4	-	0	7	45	87	45	4	-	7	-	0	2-3	-
	Lympne ..	283	15.1	+6	NNW	1	7	45	87	45	1	-	-	-	10	10	<150
	Manston ...	154	14.6	+6	-	0	3	43	87	42	4	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14.2	+2	NNE	1	6	45	82	44	7	-	-	-	0	0	-
	Gorleston ...	5	14.5	0	E'N	1	2	47	85	43	6	-	-	-	0	0	-
	Mildenhall ...	15	14.3	+2	SE'E	2	2	44	82	42	6	-	-	-	0	0	-
	Cranwell ...	203	14.0	-6	ESE	2	2	46	87	45	6	5	-	-	10	10	6000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13.4	-2	E	1	2	50	75	43	5	5	3	-	1	4-6	7200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13.5	-4	SW	3	6	52	82	50	8	5	-	-	0	0	1500
	Bristol ...	209	14.5	+2	SSW	3	2	52	82	50	8	5	-	-	7-8	7-8	2200
	Portland Bill ...	32	14.3	+4	WNW	2	6	50	82	48	7	5	-	-	10	10	2500
	Plymouth ...	82	15.1	-2	S	1	6	58	87	51	7	5	-	-	10	10	1000
	The Lizard ...	240	14.9	-4	W'N	2	6	52	87	50	7	8	2	-	7-8	9+	1000
	Scilly (St.Mary's)	163	14.9	-4	SW	2	6	53	87	52	7	5	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	13.0	-4	SW'S	3	6	52	87	52	7	5	2	-	7-8	10	2500
7	Holyhead (Valley)	32	11.3	-6	S	4	2	51	87	50	6	5	-	-	10	10	500
	Chester (Sealand)	16	12.5	-2	SE	2	6	53	82	51	5	5	2	-	2-3	10	4000
8	Manchester ...	235	12.9	-2	-	0	5	50	82	48	4	-	2	-	10	10	4000
10	Spurn Head ...	29	14.5	0	SE	3	6	48	85	44	7	5	-	2	10	10	1500
	Catterick ...	175	14.0	-10	S	2	2	46	82	45	6	5	-	-	10	10	700
	Tynemouth ...	108	14.4	-2	SSE	3	6	45	82	44	7	-	-	-	0	0	-
11	St. Abbs Head	280	12.6	-4	S	4	6	49	75	42	8	5	-	-	1	1	4000
	Leuchars ...	36	11.6	-4	-	0	2	49	75	43	6	-	3	2	0	7-8	-
12	Renfrew (Abbots I.)	19	10.8	-6	SE	2	2	50	85	45	5	-	7	-	0	4-6	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	11.1	+4	S'E	3	2	51	87	50	6	5	2	4	9	10	2500
13A	Tiree	22	09.0	-14	SE'S	2	6	50	87	49	7	-	2	-	10	10	1500
13B	Stornoway ...	80	07.7	-14	SSE	3	6	50	82	48	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12.0	-10	SE'S	2	6	45	85	41	9	5	-	-	2-3	2-3	4000
	Wick ...	114	11.1	-2	S	1	6	45	82	45	8	5	3	-	7-8	0	3000
16	Sumburgh ..	19	13.0	-8	SE'S	3	6	46	82	43	9	5	4	-	Tr	Tr	1200
17	Blacksod Point	18	09.1	-10	WSW	5	8	52	85	48	8	9	-	-	10	10	1500
18	Malin Head ...	84	08.0	-14	S'E	3	8	52	82	50	7	9	2	-	2-3	10	1500
	Aldergrove ...	268	09.4	-10	SE	2	8	52	82	50	5	6	-	-	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12.4	+2	NW'W	4	8	53	85	49	8	5	-	-	9+	9+	2500
	Roches Point	22	12.6	0	WSW	3	6	50	87	49	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 22nd May

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15.4	+6	S'W	2	2	53	85	49	6	5	3	-	2-3	9+	5700	1	*
Croydon ...	14.8	+2	S	2	6	52	85	48	7	-	3	2	0		-	1	*
S. Farnborough	15.0	+6	S'E	1	3	51	82	49	6	-	3	3	0	7-8	-	1	*
Boscombe Down	15.1	+8	SE'S	1	3	50	87	50	4	5	-	-	10	10	200	1	*
Thorney Island	15.3	+10	S	1	0	49	87	49	4	5	-	-	10	10	<150	1	*
Lympne ..	16.7	+10	S'E	1	9+	44	87	42	1	-	-	-	10	10	<150	1	§1
Manston ...	15.7	+8	-	0	bc/f	48	87	47	6	9	-	-	2-3	2-3	1000	1	*
Shoeburyness ...	15.3	+6	S'W	2	b	52	85	49	7	-	-	-	0	0	-	0	*
Felixstowe ...	15.3	+8	SSE	3	6	51	87	50	8	7	-	-	9	9+	2100	0	
Gorleston ...	15.4	+4	SSE	2	6	49	85	46	7	5	3	-	4-6	7-8	2000	0	3
Mildenhall ...	14.6	+4	SSE	2	2	50	85	46	6	8	-	-	7-8	7-8	2400	0	*
Cranwell ...	13.7	+2	SE'S	2	2	46	87	46	4	5	-	-	10	10	400	1	*
Birmingham ...	13.5	+2	WSW	2	2	52	82	50	5	5	-	-	10	10	1500	1	*
Upper Heyford	13.7	+6	SSW	3	9+	50	87	49	3	5	-	-	10	10	4000	0	*
Ross-on-Wye	13.7	+4	SW	2	2	54	85	49	6	-	7	7	0	9+	-	1	*
Hartland Point	13.6	+6	W	4	6	52	87	51	6	5	2	-	7-8	10	3000	1	3
Bristol ...	15.0	+6	S	1	6	53	85	49	7	5	7	-	4-6	10	2500	1	*
Portland Bill ...	14.8	+4	W	2	6	51	82	48	7	5	7	-	4-6	10	4000	1	3
Plymouth ...	14.8	+2	SW'W	3	RR	53	87	53	6	5	-	-	10	10	400	1	3
The Lizard ...	14.4	+4	W'N	4	6/7	51	87	51	8	8	2	-	7-8	9+	900	1	3
Scilly (St.Mary's)	14.6	+6	W	4	6	53	85	50	8	8	4	1	4-6	7-8	1200	0	2
Guernsey ...																	
Pembroke ...	13.7	+8	SW'W	3	6	52	87	51	8	4	3	-	7-8	9	2500	1	3
Holyhead (Valley)	11.4	+10	S'W	3	2	52	82	51	6	8	-	-	4-6	9+	800	1	2
Chester (Sealand)	12.5	+4	SSE	1	6	53	82	51	5	5	2	-	7-8	10	2000	1	*
Manchester ...	12.5	+4	S	3	2	52	85	49	6	5	7	-	2-3	9+	5700	1	*
Spurn Head ...	14.2	-2	SSE	4	0	48	85	45	7	-	2	-	10	10	2500		3
Catterick ...	13.0	-6	S	3	2	48	87	46	5	5	-	-	10	10	800	1	*
Tynemouth ...	08.7	-4	SSW	3	2	47	87	45	5	8	-	-	9+	9+	1600	1	2
St. Abbs Head	11.1	-4	SE	3	c/pr	47	85	43	6	5	4	-	4-6	7-8	4000	0	2
Leuchars ...	10.7	-2	-	0	2	51	78	45	6	-	8	2	0	0	-	1	*
Renfrew (Abbots I.)	10.0	-2	ESE	1	2	51	82	49	3	5	-	-	10	10	1400	1	*
Eskdalemuir ...	11.2	0	-	0	0	45	82	43	6	5	-	-	10	10	1100	1	*
Point of Ayre...	10.3	0	W	4	6/pr	52	87	52	7	6	2	-	4-6	10	2500	1	3
Tiree	08.6	+4	S'W	2	6	51	87	51	7	5	-	-	9	9	1800	1	2
Stornoway ...	09.4	-2	S	5	66	50	87	50	7	5	2	-	7-8	10	1500	1	2
Dalwhinnie ...	09.0	-6	S	2	pr	48	75	43	6	5	2	-	7-8	10	2500	1	*
Aberdeen † ...	11.5	-2	S'W	3	2	49	85	46	6	1	-	9	Tr	1	3500	1	2
Wick ...	09.8	-18	S'E	2	bc	49	85	46	7	5	3	1	Tr	4-6	5000	0	*
Sumburgh ..	11.6	-6	SSE	4	bc	48	85	45	8	5	3	1	1	2-3	3000	0	1
Blacksod Point	12.3	+16	W'NW	4	bc	52	65	41	8	8	-	-	4-6	4-6	4000	0	3
Malin Head ...	09.2	+14	S'W	3	86	50	85	46	8	9	2	-	9+	10	1500	1	1
Aldergrove ...	10.1	+8	S'W	2	c	52	82	50	8	7	3	1	4-6	7-8	2500	1	*
Birr Castle ...	12.8	+24	N	2	bc	52	75	45	7	5	-	-	4-6	4-6	2500	1	*
Valentia Obsy.	14.8	+14	W'NW	3	c	52	65	41	9	5	-	1	4-6	7-8	4000	1	3
Roches Point	18.8	-2	W'N	3	bc	50	85	46	8	2	-	-	2-3	2-3	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 21st Hrs. (38)
London (Kew)	60	48	36	0.3	Tr	1.1
Croydon ...	56	45	43	6	-	0.8
S. Farnborough	60	49	33	1	Tr	1.0
Boscombe Down	61	41	45	2	0.1	2.5
Thorney Island	59	44	37	Tr	Tr	*
Lympne ..	55	35	33	Tr	Tr	0.0
Manston ...	53	39	30	Tr	Tr	0.8
Shoeburyness ...	56	44	35	0.6	-	0.2
Felixstowe ...	55	42	35	-	-	2.8
Gorleston ...	53	46	39	-	-	4.5
Mildenhall ...	64	42	36	-	-	5.6
Cranwell ...	61	45	42	-	4	6.2
Birmingham ...	63	49	45	-	3	7.7
Upper Heyford	64	49	*	0.6	-	*
Ross-on-Wye	64	52	49	4	-	4.0
Hartland Point	59	51	50	-	0.2	5.2
Bristol ...	64	50	44	5	-	3.8
Portland Bill ...	63	48	*	3	-	*
Plymouth ...	64	50	50	Tr	2	4.8
The Lizard ...	58	50	*	-	3	10.0
Scilly (St.Mary's)	60	51	*	-	Tr	10.9
Pembroke ...	60	46	*	0.1	-	7.1
Holyhead (Valley)	61	51	49	-	Tr	*
Chester (Sealand)	63	52	48	4	.7	1.6
Manchester ...	60	49	46	0.5	2	*
Spurn Head ...	49	47	*	-	Tr	0.5
Catterick ...	57	45	41	Tr	-	1.5
Tynemouth ...	53	44	43	-	-	*
St. Abbs Head	53	*	*	-	-	*
Leuchars ...	61	43	35	-	-	14.0
Renfrew (Abbots I.)	62	47	43	Tr	1	4.0
Eskdalemuir ...	61	38	32	-	0.3	8.9
Point of Ayre...	60	49	*	-	2	9.2
Tiree	61	50	*	-	6	3.0
Stornoway ...	53	49	*	-	0.2	7.9
Dalwhinnie ...	61	44	39	-	Tr	4.1
Aberdeen † ...	55	45	39	-	0.2	9.1
Wick ...	53	47	45	-	0.1	*
Sumburgh ..	53	45	41	-	-	15.1
Blacksod Point	60	49	*	0.2	0.5	*
Malin Head ...	58	50		1	14	1.3
Aldergrove ...	62	50	45	-	5	3.4
Birr Castle ...	65	47	43	0.6	1	1.4
Valentia Obsy.	60	50	43	Tr	4	
Roches Point	59	49	*	0.2	06	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 22nd May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	10	00952	11312	00	00830	10302	57	03845	132210	57	02865	14325
115	54	01953	12224	57	02854	10127	52	02844	12227	51	02844	14128
203	5-	02958	08128	5-	02958	08128				6-	64728	16428
206	8-	25865	08285	47	61756	12187	53	02765	00066	57	02863	16128
210	80	01963	06313	86	02966	12327	5-	02868	15228	03	02790	14315
220	57	02855	14287							80	81737	21487
230	27	25764	00087	87	05764	00028	57	05663	28125	52	64647	10168
245	10	00951	12311	8-	02975	12115	07	00790	06112	00	01790	14115
260	14	01764	04214	10	01874	04214	00	00890	17210	53	05674	23115
278	27	01853	12214	20	05751	14315	57	05665	13318	5-	22638	14268
279	17	01763	20414	23	05661	22302	07	05690	04328	5-	62558	08168
285	15	01852	12414							5-	05528	01828
288	73	02854	09327	43	01861	06313	00	00790	16100	57	02765	16217
575	87	02955	14127	9-	62648	20198	5-	22857	20267	44	01845	28485
301	5-	05666	10326	2-	05664	07324	02	64458	12368	5-	62458	14368
321	13	02864	02225	77	05664	04325	5-	05648	13128	5-	61637	16367
299	5-	02748	02228	00	00790	02110	50	02754	02114	51	02-54	14218
292	17	61853	06167	17	***03	561166	5-	02868	00028	52	05646	13168
310	--	01635	04415							--	46209	08149
614	23	01763	06114	24	01761	04314	5-	72438	06168	57	22347	12168

III	13h. G.M.T. 21st May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 22nd May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333				23	01751	16226	5-	02628	16328	53	02624	20327
334	--	02646	20217							--	03646	22328
340	13	05663	16117	43	03862	14228	5-	05568	12268	07	22657	16268
136	54	02833	04326	5-	05625	05225	07	05690	10225	5-	22848	13268
336	57	41655	04347	62	91626	20388				52	02754	20428
350	26	02764	04365	87	02854	02224	5-	05518	10118	07	05690	19325
368	83	01644	07214	33	01753	20215	07	05590	24227			
379	8-	02756	12266	5-	02767	28127	5-	05538	22228	--	48209	20349
390	83	05656	12327	96	05665	17285	--	46109	08149	03	08490	04124
882	27	02764	07325	13	02863	00027	50	05572	00012	53	05647	00028
438	8-	10646	04-28	52	02645	28227	00	00690	04210	--	46009	14149
930				57	05684	22225	00	05590	00000	--	44209	12149
409	5-	48208	25328	50	01834	25344	5-	21608	22268	52	64626	21368

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 May
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	cr.rom.	r.ir. bc	mbcw	Kew 24 hours ended 7h. Max. 0.2 Time 8-16h 21st. Min. 0.1 Time 0-7h 22nd
Croydon ...	cmorgro	cbcm.	bmwbf	
Greenwich ...	r.rK	Rr cbc	orbcw	
Camden Square	c	c	*	
Kensington ...	czc	crbc	*	
Hampstead ...	op	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	60	48	36	0.3	Tr	1.1	*	*
Croydon ...	56	45	43	6	-	0.8	*	*
Greenwich ...	56	43	33	7	Tr	0.8	89	69
Westminster ...	60	48	45	3			96	81
Regents Park ...	60	48	40	1	-		82	68
Camden Square	61	48	41	2	-	*	*	71
Kensington ...	59	47	41	1	-		81	72
Hampstead ...	57	47	44	0.1	-		*	78

Page 1 BRITISH SECTION

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

SECRET

Saturday 23rd May 1942

No. 29402.

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

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)	15·4	+2	SW'S	2	c/r	57	85	52	6	5	1	-	7-8	10	2500
	Croydon	15·2	-2	SW	2	ir0	59	92	57	7	2	2	-	4-6	10	2000
	S. Farnborough	14·8	-6	S	3	c	61	75	53	7	8	6	8	7-8	7-8	3000
	Boscombe Down	15·1	-4	SW	2	PR	53	85	50	6	9	-	-	10	10	1400
	Thorney Island	15·4	-2	SW'S	3	c	60	75	52	8	2	3	-	4-6	10	1500
	Lympne	17·5	+2	SSE	2	f—	50	97	49	2	-	-	-	10	10	<150
	Manston	15·8	-2	S'W	3	z0	58	75	50	6	1	-	7	Tr	10	1800
2	Shoeburyness	15·7	0	S'W	2	c	62	65	52	7	2	-	7	2-3	10	2500
	Felixstowe	15·1	-6	S'E	3	z0	56	85	50	6	2	-	8	1	9+	2500
	Gorleston	16·0	0	S'E	4	c	50	85	47	7	5	-	-	10	10	1200
	Mildenhall	14·2	-2	W	4	cjp	62	65	49	7	9	1	-	7-8	9	2000
	Cranwell	12·7	-10	S'W	2	z0	61	85	56	6	2	-	-	9	9	2000
3	Birmingham	13·5	-2	WSW	2	c/pr	59	85	54	7	9	-	-	7-8	7-8	2500
	Upper Heyford	13·8	-6	SSW	3	pr	58	75	50	6	8	7	-	7-8	10	1800
4	Ross-on-Wye	13·5	-6	W'S	3	c/pr	61	65	48	8	8	-	8	4-6	7-8	3500
5	Hartland Point	14·6	+6	WSW	3	bc	56	85	51	8	2	4	-	2-3	4-6	1500
	Bristol	14·6	-4	SW	3	c	61	75	51	8	2	4	5	9	9+	2500
	Portland Bill	16·0	-6	SW	3	c	53	92	49	8	2	5	-	4-6	7-8	4000
	Plymouth	15·4	-2	SSW	3	c/pr	55	97	53	7	8	3	-	7-8	7-8	3000
	The Lizard	15·9	+4	W	3	bc	57	85	51	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	16·6	+10	W'N	4	bc	59	75	49	8	8	4	6	1	4-6	1200
	Guernsey															
6	Pembroke	14·8	+4	W'S	3	c	54	85	51	8	8	6	-	4-6	7-8	3500
7	Holyhead (Valley)	13·4	+10	WSW	3	pr	57	75	49	8	8	6	-	4-6	9+	2500
	Chester (Sealand)	15·0	+6	NW	4	c	58	75	49	8	8	3	3	4-6	7-8	2000
8	Manchester	13·0	+2	NW	3	tlr	54	97	54	5	9	-	-	10	10	800
10	Spurn Head	13·8	-4	SE'S	4	c	55	85	50	6	5	3	-	4-6	7-8	1500
	Catterick	12·5	-2	W'S	3	c/pr	56	85	52	4	5	7	-	9	10	1800
	Tynemouth	12·9	-2	SSE	3	z0	52	92	49	6	5	-	-	9+	9+	1300
11	St. Abbs Head	11·3	+2	S	1	ir0	51	97	51	5	5	2	-	9	10	2500
	Leuchars	10·3	-2	—	0	r0r0	55	85	50	6	5	-	-	10	10	1200
12	Renfrew (Abbots I.)	10·9	+6	NW'W	4	c	58	65	48	8	8	7	-	7-8	7-8	1800
	Eskdalemuir	10·6	+2	WSW	2	pr	54	85	50	7	5	-	-	9	9	1800
	Point of Ayre	12·7	+10	NNW	3	ir0	53	92	50	8	8	2	-	9	10	1000
13A	Tiree	11·6	+16	W'N	2	bc	56	65	45	8	1	-	2	2-3	4-6	3500
13B	Stornoway	08·7	+18	WSW	5	c	55	85	49	8	5	7	-	7-8	9+	2000
15	Dalwhinnie	11·2	+2	SSW	2	pr	49	85	44	6	5	-	-	10	10	1500
	Aberdeen	11·5	0	S'E	4	z0	50	85	46	6	5	-	8	9+	10	1100
	Wick	09·9	+2	SSE	2	ir0	52	85	47	6	5	3	-	4-6	10	4000
16	Sumburgh	11·0	-2	SSE	4	bc	51	92	47	8	5	5	-	Tr	4-6	3000
17	Blacksod Point	13·1	+2	SW	4	c	55	65	44	9	8	-	6	7-8	9	2500
18	Malin Head	12·2	+14	SW	3	c	55	65	44	8	2	-	7	2-3	9	4000
	Aldergrove	12·7	+8	W'N	2	c	58	55	40	9	1	-	6	2-3	9+	3000
19	Birr Castle	13·9	+2	N	2	c	59	55	43	7	8	-	5	7-8	9	1500
20	Valentia Obsy.	15·6	+2	SW'S	3	bc	57	65	45	9	1		4	1	7-8	2500
	Roches Point	15·0	+2	N	3	c	59	65	47	9	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 22nd May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 22nd (39)	Weather 13h.—18h. 22nd (40)	Weather 18h. 22nd – 1h. 23rd (41)	Weather 1h.–7h. 23rd (42)
London (Kew)	15·2	+10	SSE	1	z0	57	95	53	6	8	-	-	9+	9+	4000	1	*	cwr0r0m0	ctLRq	cm3bc	bc
Croydon	15·2	+6	—	0	c/pr	54	92	52	7	8	4	-	7-8	9+	2000	1	*	cm0cpr0	cpr0c	cbcbw	bcwc
S. Farnborough	15·1	+2	WSW	3	pr	55	85	50	8	3	6	-	7-8	9	4000	1	*	cr0r0m0c	cpr0	cpr0bcc	cbwic
Boscombe Down	15·1	0	SSW	2	c/pr	55	85	51	8	8	6	-	4-6	7-8	1800	1	*	cPRm0	cPRc	cb	bmbF
Thorney Island	15·5	+2	SW'W	4	bc	57	75	49	9	2	-	1	4-6	4-6	2500	0	*	om	cbc	bcc	cm3gh
Lympne	16·9	-4	SSW	1	m	53	97	52	4	5	-	-	9+	9+	200	1	§ 2	cfcFcff	ffd0m0	cbm0f	cfmm
Manston	15·8	+2	SSW	1	z0	55	85	51	6	5	3	-	2-3	9	800	0	*	bcm0ofcm	cz0m0	bbcbm	b,cm
Shoeburyness	15·4	+2	SSW	3	c	60	75	53	8	8	4	8	4-6	7-8	2800	0	*	bbcc	c	c	co
Felixstowe	14·8	-6	S'W	3	c	56	85	51	7	5	-	2	4-6	9+	4000	0	2	cbccm0	cm0c	bcmbm	bmwcm
Gorleston	15·8	-2	S	4	F+	51	97	50	1	-	-	-	10	10	<150	1	3	c	pra	czbcw	cmwpf
Mildenhall	14·3	+4	W'S	2	ir	55	97	54	7	8	1	-	9+	10	2000	1	*	cm0c	ccir	bmbcm	bcm0m3c
Cranwell	13·5	+8	NW	2	pr	56	85	51	7	8	7	-	7-8	9+	2500	1	*	ir0cm0	ctlr0pr0	bccbcm0	bm3bcm
Birmingham	13·5	+2	WSW	2	bcjp	59	65	47	8	9	9	-	4-6	4-6	2500	1	*	bccpr0t	pr0c	bccpr	cbcc
Upper Heyford	14·1	+6	ESE	1	c/pr	56	85	52	7	3	7	5	4-6	7-8	1200	1	*	firpr0	TLRc	bcPRm	cmfbc
Ross-on-Wye	13·2	0	SW	3	c	61	65	51	8	2	-	1	7-8	7-8	3500	1	*	cd0cp	bcbc	bccb	bwbcc
Hartland Point	15·3	+4	WNW	3	c	54	85	49	8	8	6	-	4-6	7-8	2000	0	2	cirbc	bcc	cbc	bcc
Bristol	15·2	+4	WSW	2	c	59	65	47	8	2	3	2	1	7-8	2500	1	*	cir0rr	c	cbbcb	bbccw
Portland Bill	15·4	-6	SW	3	c	52	92	50	8	2	4	-	4-6	9	4000	1	3	c	c	c	co
Plymouth	15·8	+4	W'N	4	c	58	75	51	8	2	-	6	4-6	7-8	2500	1	3	cpr0bcpr0	bcc	cbm0	cm3cbc
The Lizard	16·5	+2	WNW	4	bc	55	85	49	8	2	6	1	4-6	4-6	3500	0	3	cbc	bc	bcw	cpr
Scilly (St. Mary's)	17·0	+2	WSW	3	bc	56	75	48	8	5	4	6	2-3	4-6	1200	1	3	cbc	bcbc	bcc	cr0r0
Guernsey																					
Pembroke	15·1	+4	W	4	c	53	95	48	8	8	3	1	4-6	7-8	3000	0	2	c	c	bcc	cir0q
Holyhead (Valley)	13·5	0	WSW	2	bc	56	75	47	9	2	4	3	1	4-6	3000	0	2	cm0c	cbc	bc ⊕	bc
Chester (Sealand)	13·4	+4	NW'N	3	bc	54	85	49	8	8	6	-	2-3	4-6	2000	0	*	c	c	cbcm	bcfmc
Manchester	13·2	+2	NW	2	bc	53	75	46	7	2	6	-	2-3	4-6	3000	1	*	ctlrm0	tLRz0	cbm	F
Spurn Head	14·1	+6	SSW	3	ir0	54	92	51	6	8	2	-	7-8	10	1500	1	3	om0	cr0	c	cm
Catterick	12·3	+6	WNW	2	bc	63	55	48	8	2	4	-	4-6	4-6	3000	1	*	cpr0cm	cpr0bcy	bcbmw	bjfbbc
Tynemouth	12·8	+2	SSE	3	c	55	85	50	7	8	-	-	9+	9+	1500	1	2	cm0	cm0pc	cp0cbc	bcm
St. Abbs Head	11·2	+2	—	0	c	54	85	50	7	8	-	-	9	9	2500	1	2	bccm0ir0	cRmirc	cbcmb	cbcmf
Leuchars	11·0	+2	—	0	cjf	58	85	53	6	5	3	-	4-6	7-8	4000	1	*	cmcir0m0	cm0mbcm0	cm bc	cjf
Renfrew (Abbots I.)	12·1	+8	NW	3	c	56	55	39	8	4	7	5	4-6	7-8	3500	1	*	cid0m0c	cbcycy	b	bfgbcf
Eskdalemuir	11·5	+6	W	2	bc	57	55	42	9	5	-	1	4-6	4-6	2200	1	*	orcpr	pr0bcy	bcb	bbcc
Point of Ayre	13·3	+2	WNW	3	c	55	85	51	8	2	4	6	Tr	7-8	4000	0	2	r0r0bcc	mrc	cbcb	bbcc
Tiree	12·6	+4	SW'S	2	bc	53	85	47	8	8	3	5	2-3	2-3	3500	0	3	bc	bc		bc
Stornoway	11·6	+10	SSW	4	c	52	85	46	8	2	7	5	4-6	9	1200	1	2	cr0r0ir	cpr	b	bbc
Dalwhinnie	11·5	+6	W	3	bc	53	65	38	8	2	-	2	1	4-6	2500	1	*	opr	opr0bc		bcc
Aberdeen	11·4	+2	S'W	2	z0	50	97	50	5	5	9	-	7-8	9	900	1	1	bcz0	crrm0	cir0ff	offid0
Wick	11·9	+8	SW	1	pr*	52	92	49	6	8	2	-	7-8	10	1000	0	*	ccir0	cr0r0pr0	pr0ir0bc	befgc
Sumburgh	12·1	+6	S	3	c	49	85	45	8	5	7	6	2-3	7-8	4000	0	1	bc	bcc	cir0c	cm0c
Blacksod Point	12·5	-6	WSW	3	c	55	75	49	8	8	-	6	4-6	7-8	2500	1	2	c	r	pr	r
Malin Head	12·4	-2	W'N	4	c	55	65	43	8	2	-	6	2-3	7-8	4000	1	2	r	c	r	bc
Aldergrove	13·1	+2	W'S	2	c	59	55	42	9	8	-	8	2-3	9+	3500	1	*	cpr0bcc	cy	bbm0b	bbcm0c
Birr Castle	13·1	-6	SSW	1	bc	62	75	54	7	2	-	7	4-6	4-6	1500	1	*	c	bc	•	r
Valentia Obsy.	13·3	-16	S'W	4	c	55	75	48	9	7	-	6	2-3	9+	2500	1	4	bc	bc	r	r
Roches Point	14·3	-2	SW	3	c	57	65	46	9	3	3	5	2-3	7-8	2500	1	4	bc	bc	r	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate Southwesterly winds freshening, veering westerly later. Fine at first, becoming cloudy with rain spreading from west in evening, becoming fair again at night, average day temperature, cool at night.
4 W. Midlands; 5 S.W. England ✝; 6 South Wales ✝; 7 North Wales ✝; 8 N.W. England ✝; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate southerly winds, freshening, reaching gale locally in the South, veering west to northwest later, cloudy with almost continuous rain spreading northeast across area, followed by rather frequent showers with risk of thunder. Bright intervals later, average temperature becoming cool.
12 S.W. Scotland & Isle of Man ✝; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Freshening Southeast to South winds, becoming northwesterly later; fair at first, almost continuous rain spreading quickly from Southwest, frequent showers later. Average temperature becoming cool.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland; 18 N. E. Ireland ✝; 19 S. E. Ireland; 20 S. W. Ireland ✝	Strong Southerly winds, gale locally veering west and moderating. General rain at first, thundery showers and bright intervals later. Becoming rather cool.

GENERAL INFERENCE

A deepening depression centred just off West Ireland is moving quickly northeast. Rain followed by bright intervals and showers will spread northeast across the British Isles during the day. Tonight will be fine in England and Wales but there will be considerable cloud and some rain in Scotland. Temperatures today will be about the seasonal average, but tonight will be cool.

FURTHER OUTLOOK

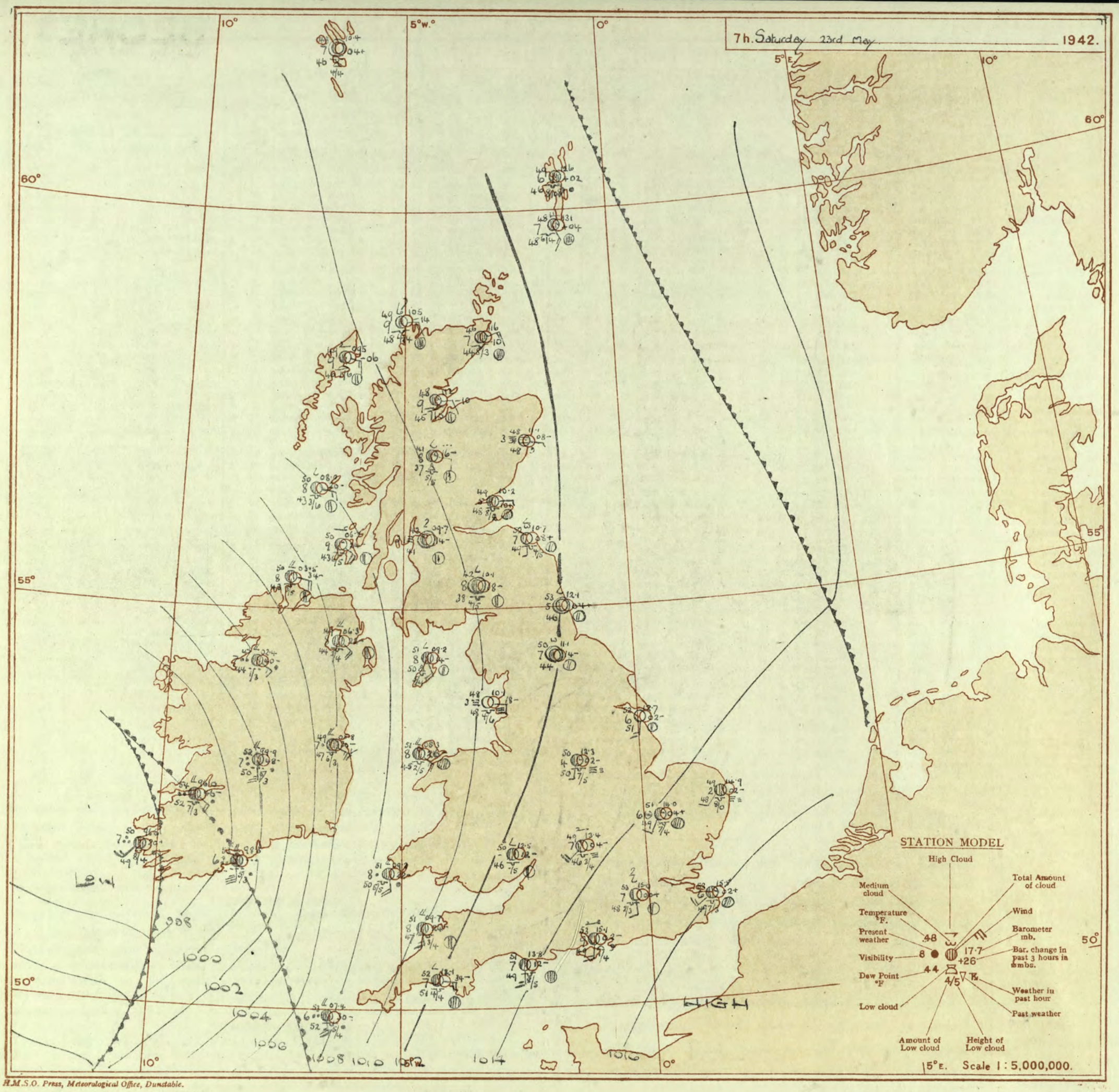
Continuing unsettled with alternating rainy and fair periods.

✝ Gale warning in operation in districts 5 (part of) and 20. Time of issue 0050 G.M.T 23-5-42. also districts 6, 7, 8, 12, 18 (part of) and 19. Time of issue 0940 G.M.T 23-5-42.

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.

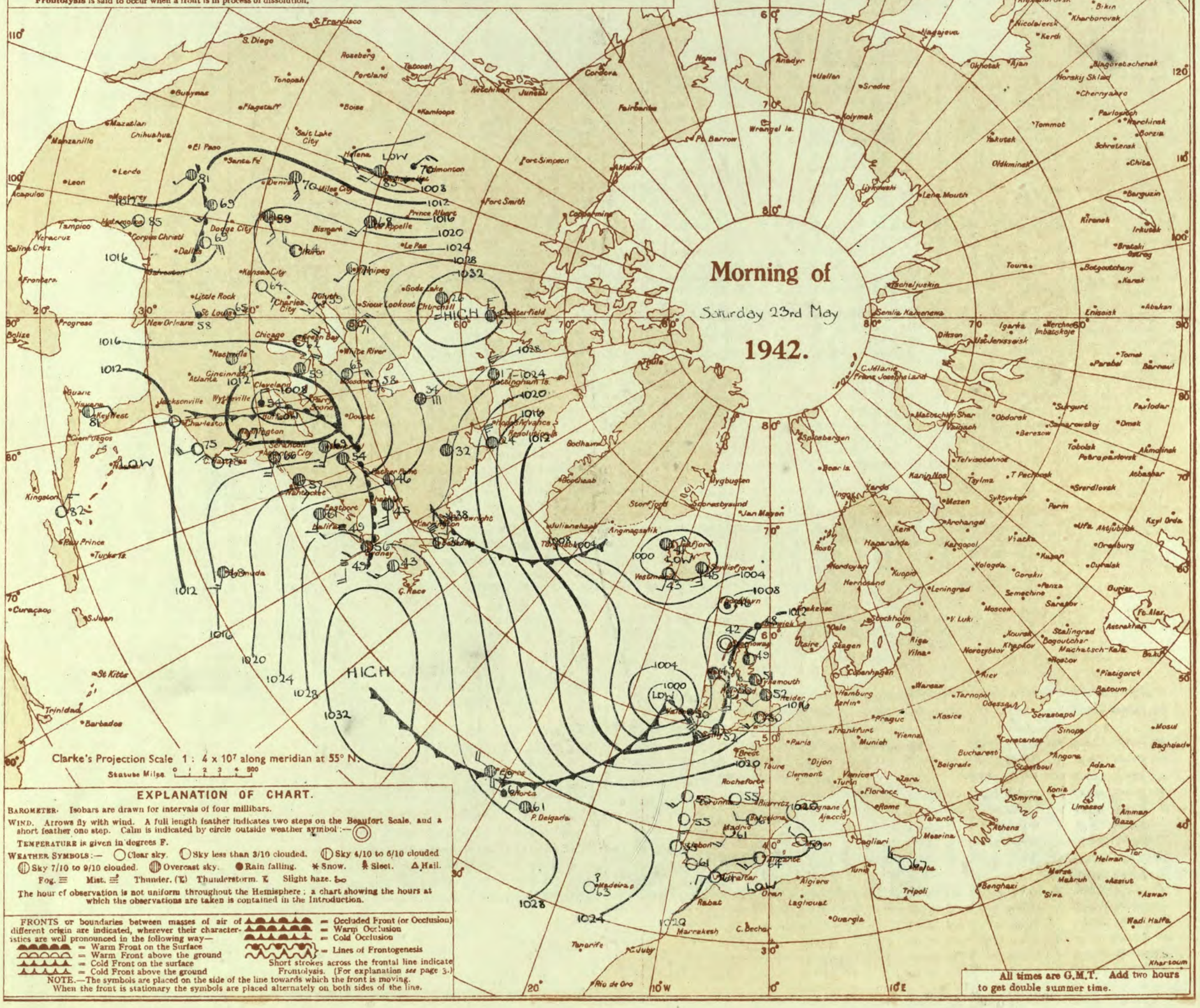
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

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

BRITISH SECTION

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

Saturday 23rd May 1942

No. 29402

OBSERVATIONS at 1 hr. G.M.T. 23rd May

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	15.1	-2	SW	3	bc	50	87	43	6	5	-	-	2-3	2-3	400
	S. Farnborough	226	15.3	0	SWW	2	c	51	82	43	7	5	-	-	10	10	800
	Boscombe Down	417	15.6	+2	W	1	bc	47	87	45	7	5	-	-	4-6	4-6	1800
	Thorney Island	10	15.5	-2	WN	1	0	51	87	50	6	5	-	-	10	10	300
	Lympne ..	283	17.0	0	SW	1	of	48	87	43	3	5	-	-	10	10	200
	Manston ...	154	16.0	0	SW	2	z	48	82	47	6	-	3	-	0	1	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14.8	-2	SW	1	z	53	82	51	6	-	7	-	0	2-3	-
	Gorleston ...	5	15.4	0	SW	2	z	51	82	48	6	5	3	-	4-6	7-8	2500
	Mildenhall ...	15	13.8	-6	SSW	2	m	52	82	50	4	-	7	-	0	2-3	-
	Cranwell ...	203	13.6	-2	SWW	2	z	49	87	48	6	5	-	-	2-3	2-3	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13.9	-2	SWW	2	m	49	87	48	4		-			10	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.2	-10	W	3	bc	47	85	43	8	1	-	-	2-3	2-3	2500
	Bristol ...	209	15.5	+2	SW	2	b	48	85	45	8	5	4	-	Tr	1	1800
	Portland Bill ...	32	15.5	+6	SW	3	c	50	82	48	7	5	-	-	10	10	2500
	Plymouth ...	82	15.6	-10	EN	1	z	48	87	43	6	-	5	1	0	Tr	-
	The Lizard ...	240	14.8	-20	SW	3	bc	51	87	50	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	13.7	-22	SW	4	c	52	85	48	7	5	2	-	4-6	7-8	1200
6	Pembroke ...	142	13.4	-8	SE	3	c	50	85	46	8	8	6	-	4-6	7-8	2500
7	Holyhead (Valley)	32	12.5	-10	S	4	bc	50	85	47	8	5	-	6	1	4-6	2000
	Chester (Sealand)	16	13.2	-10	-	0	c	47	82	47	6	5	7	-	Tr	7-8	4000
8	Manchester ...	235	13.1	-2	-	0	z	48	87	48	6	-	-	-	0	0	-
10	Spurn Head ...	29	13.6	0	SW	2	c	52	87	51	7	2	6	-	4-6	7-8	2500
	Catterick ...	175	13.2	-2	-	0	z	46	87	45	6	5	-	-	Tr	Tr	3000
	Tynemouth ...	108	12.6	-4	W	3	bc	51	85	46	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	11.8	0	WN	1	fs	51	65	41	7	5	-	-	2-3	2-3	2500
	Leuchars ...	36	11.6	+2	NW	2	c	47	82	44	8	4	-	8	7-8	7-8	4000
12	Renfrew (Abbotsl.)	19	12.1	-6	WN	2	b	40	82	39	8	-	-	1	0	1	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	12.1	+8	S	1	b	44	87	44	8	4	4	-	Tr	1	3500
13A	Tiree	22															
13B	Stornoway ...	80	11.8	+10	-	0	b	42	87	42	8	-	-	-	6	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79															
	Wick ...	114	12.2	+2	NNW	2	c	48	82	47	7	5	-	-	9+	9+	4700
16	Sumburgh ..	19	13.0	0	WN	2	bc	42	87	41	8	4	-	8	Tr	4-6	4000
			12.5	+2	SW	2	c	47	87	43	7	5	-	-	10	10	2500
17	Blacksod Point	18	06.6	-36	SSE	3	c	50	85	46	8	5	-	-	7-8	7-8	2500
18	Malin Head ...	84	08.5	-16	ESE	2	c	49	78	42	8	5	1	-	4-6	7-8	2500
	Aldergrove ...	268	11.4	-10	SE	1	bc	46	85	42	7	5	4	5	1	2-3	5700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	02.8	-76	SE	6	RR	50	82	48	7	6	2	-	9	10	1500
	Roches Point	22	00.1	-34	SSW	6	10	52	82	50	8	6	2	-	7-8	10	1500

OBSERVATIONS at 7 hr. G.M.T. 23rd May

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)	14.7	0	SWS	3	c	54	85	49	8	5	-	6	4-6	7-8	2500	1	*
	Croydon ...	15.0	0	S	2	bc	53	85	48	7	5	4	6	1	4-6	800	1	*
	S. Farnborough	14.3	-6	SSW	3	c	52	85	48	8	5	-	7	Tr	9+	1600	1	*
	Boscombe Down	14.3	-6	SE	3	c/f	47	87	47	7	-	3	7	0	10	-	1	*
	Thorney Island	15.1	-2	SW	3	c	53	85	49	9	1	-	7	Tr	10	1500	0	*
	Lympne ..	16.8	+2	WSW	2	z	51	82	49	6	5	-	-	9+	9+	300	1	2
	Manston ...	15.5	+2	SWW	3	z	52	85	49	6	5	-	-	9+	9+	700	0	*
2	Shoeburyness...	16.6	+2	SW	2	c	52	85	49	8	5	-	-	10	10	1200	0	*
	Felixstowe ...	15.1	+2	SWW	3	z	51	82	49	5	5	-	-	10	10	500	0	2
	Gorleston ...	14.0	-2	SSW	2	m/f	49	87	48	4	5	-	-	10	10	<150	1	
	Mildenhall ...	14.0	+4	SSW	2	c/p	51	82	49	6	5	-	-	9+	9+	1500	1	*
	Cranwell ...	12.3	-2	SWS	3	z	50	82	50	6	5	-	-	9	9	300	0	*
3	Birmingham ...	12.3	-6	SSW	2	c	48	85	44	8	5	-	-	9	9	2500	1	*
	Upper Heyford	13.4	-4	SWS	3	bc	49	82	46	7	5	-	-	2-3	4-6	1000	1	*
4	Ross-on-Wye	12.5	-12	SW	2	c	50	85	46	7	5	1	-	Tr	10	2500	0	*
5	Hartland Point	09.7	-24	S	3	c	51	85	47	8	5	2	-	2-3	10	1700	0	4
	Bristol ...	14.1	-6	S	3	c	50	85	44	8	1	7	-	Tr	10	4000	1	*
	Portland Bill ...	13.8	-12	S	3	o	51	82	49	7	5	-	-	10	10	2500	1	3
	Plymouth ...	12.1	-34	ESE	4	c	52	87	51	7	5	1	-	4-6	10	1500	0	3
	The Lizard ...	10.0	-24	SSE	5	PR	52	82	50	7	5	2	-	9	10	1000	1	4
	Scilly (St. Mary's)	07.4	-30	SE	5	66	53	87	52	6	5	2	-	7-8	10	1000	1	3
6	Pembroke ...	08.6	-24	SES	5	ir	51	82	49	7	8	1	-	0	10	2500	1	3
7	Holyhead (Valley)	08.3	-26	SE	5	c	51	78	45	8	5	2	-	1	10	2500	1	4
	Chester (Sealand)	10.1	-20	SES	2	c	52	85	48	6	-	7	7	0	10	-	1	*
8	Manchester ...	10.6	-12	SE	1	m/f	50	87	50	4	5	-	-	9+	9+	1000	1	*
10	Spurn Head ...	12.7	-2	SW	3	b	52	87	51	6	-	-	-	0	0	-	0	2
	Catterick ...	11.1	-14	-	0	c	50	85	44	7	-	3	-	0	7-8	-	1	*
	Tynemouth ...	12.1	-4	-	0	z	53	78	46	5	-	4	-	0	2-3	-	1	2
11	St. Abbs Head	10.7	-8	S	1	fs	52	85	48	7	5	7	-	4-6	4-6	3000	1	2
	Leuchars ...	10.2	-10	E	1	z	49	87	45	5	5	-	-	10	10	500	1	*
12	Renfrew (Abbotsl.)	09.7	-14	-	0	cf+	48	82	41	3	-	-	0	0	7-8	-	1	*
	Eskdalemuir ...	10.1	-18	-	0	c	42	85	38	8	5	4	-	4-6	7-8	2800	1	*
	Point of Ayre...	09.2	-14	SE	4	c	51	87	50	8	8	1	-	7-8	10	1000	0	2
13A	Tiree	08.0	-20	ESE	3	bc	50	75	43	8	5	4	-	2-3	4-6	3500	0	4
13B	Stornoway ...	09.5	-6	ESE	3	bc	49	82	46	9	1	-	5	Tr	4-6	3000	1	1
15	Dalwhinnie ...	10.2	-16	ESE	2	c	41	85	37	8	8	4	-	7-8	9	2500	1	*
	Aberdeen † ...	11.1	-8	ES	1	df	48	87	45	8	-	-	-	13	10	<150	1	1
	Wick ...	11.6	-10	NEE	3	c	46	82	44	7	5	-	-	10	10	600	1	*
16	Sumburgh ..	13.1	+4	SSE	3	c	48	87	45	7	5	2	-	9	9+	1200	0	1
17	Blacksod Point	05.8	-60	SE	5	rr	51	82	49	7	6	2	-	4-6	10	800		
18	Malin Head ...	03.5	-34	ES	4	c	50	75	45	8	5	2	-	2-3	10	2500	1	2
	Aldergrove ...	06.3	-22	SE	4	c	49	85	44	8	5	2	-	1	10	1000	1	*
19	Birr Castle ...	09.9	-48	S	5	fr	52	82	50	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	06.6	-26	SWS	3	rr	50	81	49	7	6	-	-	10	10	1500	1	3
	Roches Point	08.3	-46	S	7	rr	53	87	52	6	6	2	-	7-8	10	800	1	*

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 22nd Hrs. (38)
1	London (Kew)	63	(49)	37	12	-	3.3
	Croydon ...	61	49	47	3	-	4.8
	S. Farnborough	65	47	35	3	Tr	3.7
	Boscombe Down	62	48	37	6	Tr	1.1
	Thorney Island	62	50	43	-	-	*
	Lympne ..	53	48	39	Tr	-	0.8
	Manston ...	60	47	44	-	-	7.2
2	Shoeburyness...	63	50	43	-	-	6.0
	Felixstowe ...	60	50	43	-	Tr	5.1
	Gorleston ...	52	46	39	0.1	-	6.8
	Mildenhall ...	65	48	40	1	0.8	0.8
	Cranwell ...	62	45	38	0.4	Tr	0.3
3	Birmingham ...	64	47	45	3	2	1.7
	Upper Heyford	60	47	46	15	5	*
4	Ross-on-Wye	65	44	36	0.1	-	3.5
5	Hartland Point	56	45	43	Tr	-	3.6
	Bristol ...	63	44	35	1	-	2.8
	Portland Bill ...	53	48	*	-	-	*
	Plymouth ...	61	42	39	2	Tr	5.0
	The Lizard ...	58	47	*	Tr	0.5	8.5
	Scilly (St. Mary's)	59	49	*	-	0.4	10.8
6	Pembroke ...	55	44	*	-	0.2	5.2
7	Holyhead (Valley)	59	44	35	-	-	*
	Chester (Sealand)	63	47	35	0.1	-	5.7
8	Manchester ...	59	45	34	11	-	*
10	Spurn Head ...	55	48	*	4	1	1.5
	Catterick ...	64	40	32	11	-	2.2
	Tynemouth ...	60	48	44	2	0.2	*
11	St. Abbs Head	54	*	*	7	-	*
	Leuchars ...	58	43	35	1	Tr	4.2
12	Renfrew (Abbotsl.)	60	35	31	1	-	5.7
	Eskdalemuir ...	59	31	24	3	-	2.9
	Point of Ayre...	63	40	*	0.4	-	3.8
13A	Tiree	56	44	*	1	-	8.0
13B	Stornoway ...	59	41	*	0.4	-	5.5
15	Dalwhinnie ...	56	26	19	3	-	2.9
	Aberdeen † ...	52	45	39	0.6	0.4	6.3
	Wick ...	55	37	35	1	0.5	*
16	Sumburgh ..	53	47	46	-	-	4.5
17	Blacksod Point	57		*	3		*
18	Malin Head ...	56	46		0.1	5	8.7
	Aldergrove ...	61	44	37	Tr	-	8.0
19	Birr Castle ...	62	46	40	-	0.5	6.8
20	Valentia Obsy.	60	48	47	-	2.2	
	Roches Point	60	51	*	-	1.3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd May — 18h. G.M.T. — 01h. G.M.T. 23rd May — 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	07	05790	47428	02	62548	18168	50	00862	00013	5-	03738	08221 0
115	52	02844	20467				52	02944	16226	54	02944	08325
203										10	00952	12312
206	87	02865	22366	80	01964	26224	00	00890	00010	5-	02957	08117
210	07	61668	12368	86	81854	26285	03	01990	12184	53	02835	08217
220	10	01953	24313	10	01953	24203				53	01953	14414
230	8-	25957	00087	84	02952	22225	00	01990	00013	5-	02941	04117
245	5-	05648	16228	5-	05528	09168	5-	01765	26115	5-	05628	08228
260	3-	66646	23168	8-	01864	24214	00	05630	20110	53	05563	28114
278	57	00851	30463	47	02962	30427	04	00830*	00012	52	02845	12318
279	87	01764	52464	83	25866	52486	50	00861	12111	54	02663	05227
285	27	81745	24487							13	02853	18316
288	5-	05658	18228	26	25951	24197	50	00761	00011	53	05675	00011
575	20	02954	24225	8-	81846	00026	03	01790	08114	62	62731	12368
301	25	01751	25314	26	00851	28203	04	00690	10120	5-	45364	10244
321	8-	05657	16267	86	05664	12297	07	47290	00024	00	45290	14560
299	5-	02654	26224	5-	64548	16268	00	05590	24100	51	05654	00015
292	21	05645	00068	24	01953	21184	50	00751	00012	50	08474	10144
310										--	01626	24346
614	96	25567	22388	9-	05567	00097	07	08490	18155	5-	41457	18147

13h. G.M.T. 22nd May — 18h. G.M.T. — 01h. G.M.T. 23rd May — 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
332	23	02854	22316	27	02953	24126	5-	02866	16216	52	61844	16428
334										--	02753	24215
340	20	02954	24217	43	02755	31227	5-	02755	26185	20	02852	17328
136	9-	93648	25328	5-	82658	28293	57	05644	20288	5-	41418	18248
336	13	01753	28415	24	01753	24315				52	02753	16428
350	20	22655	17368	37	02854	18285	50	05662	18282	57	05633	18324
368	83	02944	24327	83	02943	24327	00	05690	22100	87	02952	12328
379	3-	25756	22286	86	02955	* * *	--	48203	53348	50	41832	20346
390	11	05554	18348	02	64948	27388	00	45390	18160	5-	08435	22245
382	87	81736	18187	26	01843	16324	53	01743	00013	50	02841	15128
438	--	67009	18149	--	46009	22249	--	46009	22549	--	48009	22449
430	7-	05646	18328	26	01853	21314	5-	05628	00068	50	02842	18358
409	5-	02727	24467	14	02945	23425	00	00790	16300	52	61735	48528

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 May.
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	cwroromo	ctlRq	cmbc	Kew 24 hours ended 7h. Max 0.2 Time 8h. 22nd Min. <0.1 Time 9–7h 23rd
Croydon ...	cmcpro	cproc	bcwc	
Greenwich ...	c	cp⊕bcrr	cbwc⊕	
Camden Square	c	c	*	
Kensington ...	bcpbc	bccp	*	
Hampstead ...	bcor	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	63	(49)	37	12	-	3.3	*	*
Croydon ...	61	49	47	3	-	4.8	*	*
Greenwich ...	65	48	37	3	-	4.1	73	62
Westminster ..	63	51	48		3		88	77
Regents Park ...	64	50	45	Tr	4		67	59
Camden Square	65	51	45	4	-	*	*	63
Kensington ...	63	50	45	6	-	-	93	61
Hampstead ...	61	48	46	5	-	-	*	69

Page 1 BRITISH SECTION

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

SECRET

Sunday 24th May 1942

No 29403

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

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)	11·7	-18	S'W	4	c	59	65	46	8	7	4	8	4-6	10	2500
	Croydon	12·4	-22	SSE	3	c	58	55	43	8	5	1	-	4-6	10	2000
	S. Farnborough	11·1	-22	S'W	4	c	59	65	46	8	5	1	-	4-6	10	2000
	Boscombe Down	10·1	-26	S'W	5	iro	55	85	51	7	5	2	-	9+	9+	1600
	Thorney Island	11·9	-22	SE'S	4	iro	57	85	51	8	1	7	-	Tr	10	1500
	Lympne	14·8	-14	S	2	c	56	75	47	8	4	1	-	Tr	10	5000
	Manston	13·6	-10	SSW	4	c	60	45	40	8	5	-	-	9	10	4000
2	Shoeburyness	13·6	-18	S'W	4	c	61	65	47	8	5	-	7	4-6	9+	5800
	Felixstowe	13·3	-12	S	4	c	62	65	50	8	5	-	8	4-6	9+	2500
	Gorleston	13·8	-4	S	5	c	51	85	48	6	5	7	-	4-6	9+	1200
	Mildenhall	11·5	-14	SSW	4	c	61	55	46	7	7	-	7	7-8	10	2500
	Cranwell	09·9	-18	S	5	c	58	65	45	8	5	1	-	2-3	10	2000
3	Birmingham	08·5	-6	SSE	4	ido	56	75	47	8	6	2	-	4-6	10	1500
	Upper Heyford	09·3	-26	SSE	4	c	57	75	47	8	5	1	-	7-8	10	1500
4	Ross-on-Wye	07·3	-32	SE'S	4	iro	55	85	50	6	6	1	-	2-3	10	2000
5	Hartland Point	03·4	-30	SW	4	rr	55	85	51	7	6	2	-	7-8	10	800
	Bristol	08·5	-36	S'W	5	rr	55	85	50	6	5	2	-	9+	10	800
	Portland Bill	09·6	-20	S	4	dodo	52	92	50	7	5	-	-	10	10	2500
	Plymouth	06·6	-26	S	5	rr	54	97	54	6	6	2	-	7-8	10	1000
	The Lizard	04·3	-30	SSW	7	rr	54	97	54	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	01·2	-24	SW'S	5	c/r	55	92	53	6	6	2	-	9	10	800
	Guernsey															
6	Pembroke	01·0	-38	SSE	7	rr	52	97	52	7	8	2	-	7-8	10	1500
7	Holyhead (Valley)	00·8	-46	SE'S	7	roro	54	85	49	7	5	2	-	7-8	10	1500
	Chester (Sealand)	09·4	-30	SE'S	5	iro	56	65	47	7	5	2	-	4-6	10	2000
8	Manchester	07·4	-22	S'E	5	iro	55	65	45	6	5	2	-	1	10	2500
10	Spurn Head	10·1	-20	S'W	5	c	57	65	45	7	5	1	-	4-6	10	1500
	Catterick	07·3	-18	SSW	4	c	57	55	42	7	5	7	-	2-3	10	1800
	Tynemouth	07·3	-20	SE	3	c	52	92	50	6	5	-	-	9+	9+	1800
11	St. Abbs Head	05·6	-40	ESE	5	c	52	75	46	6	5	1	-	4-6	7-8	2500
	Leuchars	05·8	-26	E	2	zo	50	92	49	6	5	-	-	10	10	1200
12	Renfrew (Abbots I.)	03·9	-28	ESE	3	iro	56	55	41	6	5	-	-	10	10	3500
	Eskdalemuir	04·4	-26	S	4	c	56	55	41	6	5	2	-	4-6	10	2200
	Point of Ayre	02·7	-42	SSE	6	roro	51	92	49	7	6	2	-	4-6	10	3000
13A	Tiree	00·0	-40	SE'E	5	roro	50	92	47	7	-	2	-	9+	9+	1500
13B	Stornoway	01·7	+36	E	5	c	56	85	50	8	1	4	-	4-6	9+	3000
15	Dalwhinnie	03·6	-34	SSE	4	o	54	65	41	8	8	1	-	10	10	2500
	Aberdeen	07·5	-20	SE'S	3	of+	48	97	48	3	5	-	-	10	10	200
	Wick	07·6	-22	ESE	3	zo	48	97	47	6	5	-	-	10	10	300
16	Sumburgh	10·9	-10	SE	5	c	49	85	45	7	5	7	-	4-6	10	1500
17	Blacksod Point	92·9	+8	WSW	6	c/r	53	75	45	8	9	-	-	9+	9+	800
18	Malin Head	94·5	-46	SSE	6	roro	52	85	48	6	6	2	-	7-8	10	800
	Aldergrove	98·5	-40	SE	5	roro	49	85	46	6	5	2	-	9	10	1000
19	Birr Castle	95·3	-6	WSW	2	c	54	85	50	7	6	2	-	7-8	10	800
20	Valentia Obsy.	99·7	+26	WNW	5	c	53	75	45	8	2	6	-	9	9	2500
	Roches Point	97·3	+14	SW'S	4	ir	55	92	53	7	6	2	-	7-8	9+	1500

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

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)	06·9	-30	S'W	3	roro	56	92	54	7	6	2	-	7-8	10	1500	1	*
	Croydon	08·0	-30	SSE	3	ir	55	97	54	6	6	-	-	10	10	600	1	*
	S. Farnborough	06·1	-24	S	4	rr	55	97	55	6	6	2	-	7-8	10	800	1	*
	Boscombe Down	05·2	-18	S'E	6	RR	54	97	53	6	6	2	-	9+	10	400	1	*
	Thorney Island	07·8	-24	S'E	5	RR	55	92	54	6	6	2	-	9	10	800	1	*
	Lympne	10·6	-30	SE	2	roro	54	92	52	6	5	2	-	9	10	1000	1	2
	Manston	09·6	-22	SSE	2	iro	55	85	50	6	5	7	-	7-8	10	3000	1	*
2	Shoeburyness	09·9	-20	S'E	4	rr	57	85	53	7	6	2	-	7-8	10	1500	1	*
	Felixstowe	09·2	-26	SSE	4	roro	54	85	51	7	5	2	-	7-8	10	4000	1	2
	Gorleston	10·4	-14	S	4	c	53	85	47	7	5	-	-	10	10	1500	0	4
	Mildenhall	07·6	-14	S'E	4	iro	58	75	51	7	5	2	-	7-8	10	2500	0	*
	Cranwell	05·2	-28	SE'S	5	roro	58	85	51	6	5	2	-	9+	10	1800	1	*
3	Birmingham	02·5	-34	SSE	4	roro	54	97	53	7	6	-	-	10	10	800	1	*
	Upper Heyford	04·2	-14	S'E	4	roro	54	92	51	6	6	2	-	9	10	800	1	*
4	Ross-on-Wye	01·4	-34	S	4	roro	54	92	52	7	6	1	-	7-8	10	1500	1	*
5	Hartland Point	01·6	+12	WSW	4	c/r	51	85	48	8	5	4	-	7-8	9	1500	1	4
	Bristol	03·1	-30	S'E	4	roro	54	85	51	7	5	2	-	4-6	10	800	1	*
	Portland Bill	04·6	-24	S	6	rr	57	92	55	7	5	-	-	10	10	2500	1	5
	Plymouth	03·3	-18	NW'W	4	iro	53	97	53	6	8	7	-	4-6	9	1200	1	4
	The Lizard	04·3	+2	WNW	6	rr	50	97	50	4	5	-	-	10	10	800	1	5
	Scilly (St. Mary's)	04·1	+16	W'N	5	c/r	51	92	50	7	8	7	-	7-8	9+	800	1	4
	Guernsey																	
6	Pembroke	99·9	+6	WSW	5	iro	52	92	49	7	5	4	-	7-8	9+	2000	1	4
7	Holyhead (Valley)	96·8	-18	SSW	4	iro	52	92	50	5	5	-	-	10	10	3000	1	4
	Chester (Sealand)	99·6	-24	SE'S	4	iro	57	85	51	8	5	-	-	9+	10	1000	1	*
8	Manchester	01·2	-30	SSE	5	roro	58	85	51	7	5	2	-	7-8	10	1800	1	*
10	Spurn Head	05·7	-18	S'E	6	iro	56	75	48	7	5	2	-	7-8	10	1500	1	4
	Catterick	02·7	-20	S'E	4	roro	53	85	50	6	5	2	-	7-8	10	2000	1	*
	Tynemouth	03·5	-16	S	5	zo	56	75	45	7	5	-	-	9+	9+	3400	1	3
11	St. Abbs Head	01·6	+6	ESE	5	c	54	75	45	7	5	1	-	4-6	9+	3500	0	4
	Leuchars	00·5	-14	SSE	4	roro	55	85	49	6	6	1	-	9	10	1500	1	*
12	Renfrew (Abbots I.)	98·2	-38	ESE	3	roro	53	75	47	6	5	2	-	7-8	10	2000	1	*
	Eskdalemuir	99·7	-26	SE'S	3	roro	50	85	47	6	-	2	-	10	10	1100	1	*
	Point of Ayre	96·2	-32	S'E	7	roro	51	97	51	6	6	2	-	4-6	10	1000	1	5
13A	Tiree	93·5	-20	SE'E	5	rr	49	97	49	5	-	2	-	10	10	100	1	
13B	Stornoway	96·3	-26	ESE	3	c	53	85	49	8	5	7	-	7-8	9+	2000	1	2
15	Dalwhinnie	99·0	-30	SSE	4	o	50	75	41	8	5	1	-	7-8	10	2500	0	*
	Aberdeen	01·9	-28	SSE	4	zo	50	92	48	6	5	2	-	4-6	10	900	1	2
	Wick	03·3	-16	ESE	5	°/F	47	92	45	4	5	-	-	10	10	100	1	*
16	Sumburgh	07·7	-22	ESE	6	c	49	85	45	7	5	-	-	10	10	1500	0	4
17	Blacksod Point	97·1	+32	W'N	6	pr	49	85	45	8	9	-	-	9+	9+	800	1	4
18	Malin Head	93·1	+6	SW	4	c	52	85	48	8	9	2	-	4-6	9	1500	1	3
	Aldergrove	94·9	-10	S	1	iro	50	97	50	7	5	2	-	2-3	10	4000	1	*
19	Birr Castle	98·8	+22	WSW	3	c	51	75	43	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	03·7	+26	WNW	5	bcjp	53	65	42	8	3	-	-	4-6	4-6	2500	1	6
	Roches Point	01·2	+26	WNW	6	bc	54	75	46	8	3	-	3	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 23rd (39)	Weather 13h.—18h. 23rd (40)	Weather 18h 23rd to 1h. 24th (41)	Weather 1h.—7h. 24th (42)
1	London (Kew)	c⊕	ccrorro	crorc	crorrobc
	Croydon	bcc	cror,r	crodo	crrbc
	S. Farnborough	c	proRmo	crrRRmociro	ciroRbbcv
	Boscombe Down	o	croRmo	crromoc	cproq
	Thorney Island	cciro	crrRRmo	crcmopr	moprob
	Lympne	cmo⊕c	crrmo	rrRRmo	ciromocbc
	Manston	cbcmocy	cyvir	roRp	irobcb
2	Shoeburyness	bc⊕	ciRr	crr	ceybc
	Felixstowe	cmoc	ccirroro	croromo	roroiroc
	Gorleston	cZo	c	crr	oro
	Mildenhall	cmocy	cyciro	c	crrmociro
	Cranwell	ciro	ccroro	croroiro	crrmoc
3	Birmingham	iroc	coror	rrc	cb
	Upper Heyford	bcc	ccroromo	crorc	croromob
4	Ross-on-Wye	ccq	rrro	Rbccp	bcb
5	Hartland Point	irorrc	crr	cirqbc	Pbcq
	Bristol	ciroro	croro	croRmor	cbcpro
	Portland Bill	odo	oR	orr	c
	Plymouth	crororrmo	crrmociro	cirmob	bprobc
	The Lizard	brr	corrm	bcpr	phbcc
	Scilly (St. Mary's)	crr	croroiro	cbc	bcprqc
	Guernsey				
6	Pembroke	cqrr	cqiro	cbcq	bcq
7	Holyhead (Valley)	ciro	crrmo	cRmoc	bcq
	Chester (Sealand)	bciro	crororo	crrrc	cbc
8	Manchester	czoiro	irrr	iroro	roromo
10	Spurn Head	c	cqiro	croro	cq
	Catterick	cmo	croromo	rrirocmo	brrbc
	Tynemouth	cmoc	cpo	cpoorr	cmoc
11	St. Abbs Head	bccmocm	cm	cmodmorr	cmorcbc
	Leuchars	cidomcm	croromo	RRroromo	crrcbc
12	Renfrew (Abbots I.)	ciroZoy	roro	cmororoqc	cproc
	Eskdalemuir	cy	roiro	crrmo	orrcir
	Point of Ayre	croro	roro	RRcbc	bcb
13A	Tiree	corr		oprrroc	bcpro
13B	Stornoway	bcc	c	cpr	cpro
15	Dalwhinnie	co	oco		oirbc
	Aberdeen	dodoof	offczo	crorozo	crrzoc
	Wick	bmmo	bmofom	pmomroro	croro
16	Sumburgh	cbcc	c	cidof	cfroro
17	Blacksod Point	r	pr	pr	pr
18	Malin Head	r	r	pr	pr
	Aldergrove	cirororo	croroiro	cbcb	b
19	Birr Castle	r	pr	*	pr
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	r	pr	pr	pr

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Fresh to strong and squally westerly winds reaching gale locally in gusts on West coasts. Showery with thunderstorms in many places, but bright intervals; rather cool.
15 N.E. Scotland	Strong, squally southeast to south winds, veering westerly later. Contin: in No. 16.
16 Orkneys and Shetlands	Overcast with almost continuous rain at first; showers and local thunder later, but some bright intervals. Rather cool.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 1-14.

GENERAL INFERENCE

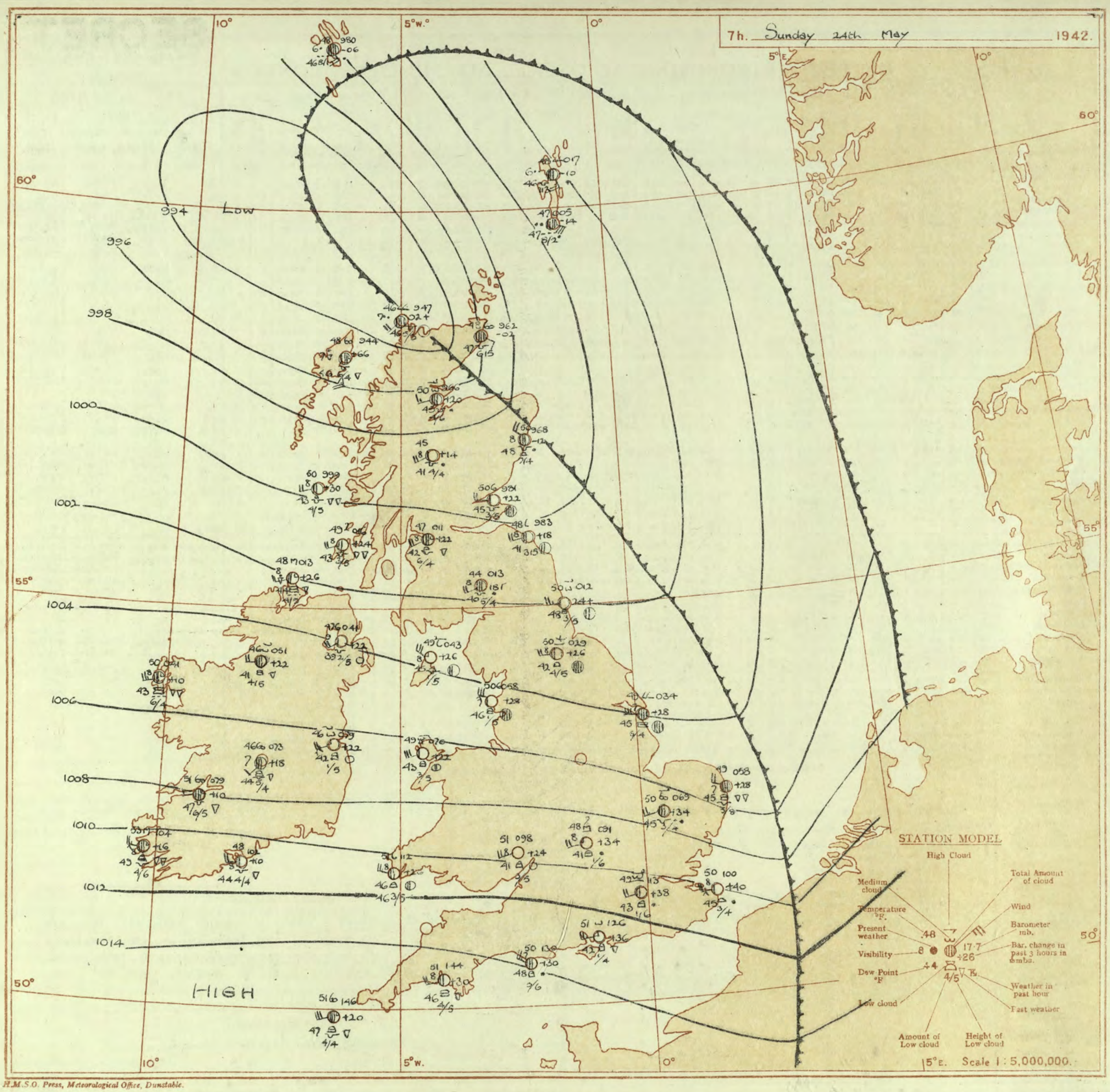
A depression off Northwest Scotland is moving northwards. There will be some general rain in the extreme Northeast at first. Elsewhere it will be showery with local thunderstorms developing in many places, but with some bright intervals. It will be generally rather cool.

FURTHER OUTLOOK

Continuing rather cool and showery.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

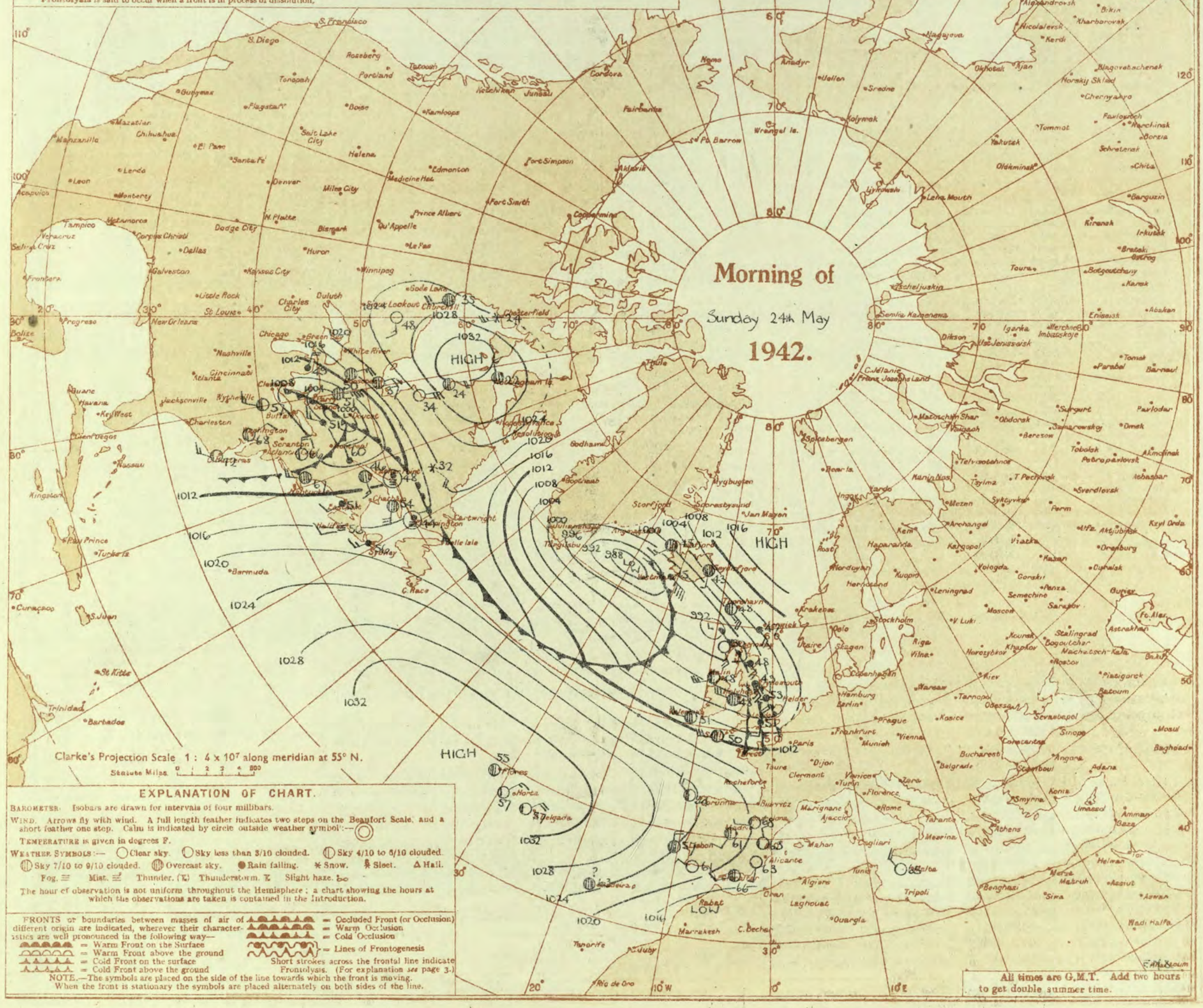
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 24th May 1942

No 29403

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

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	03·7	0	S'W	2	dr	51	92	49	8	5	7	-	9+	10	2700
	S. Farnborough	226	04·1	+6	W'S	4	ifo	50	97	48	7	5	-	-	9+	9+	3000
	Boscombe Down	417	05·4	+14	W'S	4	bc	48	92	46	7	5	-	-	4-6	4-6	3000
	Thorney Island	10	05·9	+8	WSW	4	pr	50	92	48	6	5	-	-	9+	9+	4500
	Lympne	283	06·2	-18	SSW	4	ifo	51	97	50	6	5	2	-	9+	9+	500
	Manston	154	04·1	-26	SW	4	roro	52	92	50	6	5	2	-	4-6	7-8	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	03·3	-26	SSW	4	roro	54	92	52	6	5	2	-	9+	10	3400
	Gorleston	5	03·2	-40	S'W	6	rr	53	92	51	5	6	-	-	10	10	800
	Mildenhall	15	01·8	-22	SW'S	3	c/r	54	85	50	7	5	7	-	7-8	9+	2000
	Cranwell	203	00·6	-14	WSW	4	bc/r	52	92	49	6	5	-	-	4-6	4-6	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	02·2	+6	WSW	4	roro	49	92	49	6	6	-	-	7-8	7-8	1000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·7	+30	WNW	5	beq	49	75	40	7	2	4	-	2-3	4-6	1500
	Bristol	209	05·9	+22	W	5	c	49	85	46	8	5	-	-	7-8	7-8	2400
	Portland Bill	32	07·1	+22	SW	5	rr	49	75	42	7	5	-	-	10	10	2500
	Plymouth	82	09·4	+24	WNW	6	b	49	85	45	8	7	-	-	Tr	Tr	2500
	The Lizard	240	10·9	+32	NW'W	6	bc	49	75	41	8	8	4	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	11·1	+28	W	6	bcjp	50	65	40	8	8	6	3	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	06·3	+22	W'N	6	bq	49	75	41	8	-	4	-	0	1	-
7	Holyhead (Valley)	32	02·7	+26	WNW	6	c	48	85	43	9	5	4	2	2-3	7-8	3500
	Chester (Sealand)	16	02·0	+18	W	3	c	50	75	44	8	8	1	-	7-8	10	4000
8	Manchester	235	01·1	+10	W'N	4	roro	49	97	48	6	5	2	-	4-6	10	800
10	Spurn Head	29	00·2	-28	S'E	4	roro	53	92	50	7	3	2	-	7-8	10	1500
	Catterick	175	98·9	0	SSW	1	c/r	51	92	48	6	5	3	-	4-6	9+	1800
	Tynemouth	108	98·3	-20	SSE	4	rr	49	97	49	6	6	-	-	10	10	1500
11	St. Abbs Head	280	96·4	-22	SE	5	rr	47	97	47	5	5	-	-	10	10	2500
	Leuchars	36	95·2	-26	SE	4	roro	49	97	49	6	5	2	-	7-8	10	500
12	Renfrew (Abbots I.)	19	97·6	+14	W'S	4	c	48	85	43	7	5	-	-	9+	9+	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	99·2	+10	WNW	6	bc	47	92	44	8	*	*	*	*	2-3	3000
13A	Tiree	22	95·7	+12	SW'S	3	c	47	85	43	7	5	-	-	9	9	1800
13B	Stornoway	80	94·4	-10	SSE	5	c/pr	50	92	48	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	97·6	-26	SE'S	4	RR	48	97	48	4	-	2	-	10	10	400
	Wick	114	98·3	-24	ESE	5	roro	47	97	47	4	5	-	-	10	10	400
16	Sumburgh	19	03·7	-18	ESE	4	df	47	97	44	3	5	-	-	10	10	1000
17	Blacksod Point	18	01·7	+10	W'N	6	phr	46	75	39	8	9	-	-	9	9	800
18	Malin Head	84	97·0	+18	W'S	5	c	48	75	41	8	9	2	-	4-6	7-8	2500
	Aldergrove	268	99·9	+14	WSW	4	bc	45	85	39	8	5	4	8	Tr	2-3	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·3	+10	W	5	c/pr	51	75	43	9	3	6	-	4-6	7-8	2500
	Roches Point	22	07·8	+16	WNW	4	bc	47	85	43	8	3	-	-	2-3	2-3	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 23rd Hrs. (38)
London (Kew)	10·6	+30	SW'W	4	z	50	75	41	8	8	-	-	4-6	4-6	2500	1	*	60	48	37	2	6	3·8
Croydon	10·9	+44	WSW	4	bc	50	75	42	8	5	3	-	2-3	2-3	1200	1	*	58	45	43	4	11	3·7
S. Farnborough	11·3	+38	W'S	4	bc	49	85	43	9	2	6	2	Tr	4-6	500	1	*	60	46	42	9	7	1·9
Boscombe Down	12·5	+38	WSW	3	bcjp	45	85	42	8	3	-	-	4-6	4-6	2000	1	*	56	43	40	6	9	0·0
Thorney Island	12·6	+38	W	5	b	51	75	42	9	2	3	-	Tr	1	1500	1	*	57	48	43	9	6	*
Lympne	12·8	+50	W	4	bc	50	75	43	8	2	3	-	2-3	4-6	2500	1	§4	58	46	44	0·3	8	4·2
Manston	10·0	+40	WSW	5	bc	50	85	45	8	1	-	-	2-3	2-3	1200	1	*	62	47	46	0·1	9	4·7
Shoeburyness	09·8	+34	W'S	3	bc	51	75	43	7	1	-	-	2-3	4-6	1500	0	*	64	48	46	1	9	3·3
Felixstowe	08·0	+38	WSW	6	c	51	85	46	8	7	-	-	9	9	1700	1	4	63	49	46	Tr	9	3·4
Gorleston	05·8	+28	WNW	4	c/pr	49	85	45	7	8	-	-	7-8	7-8	1200	1	3	59	46	45	-	7	2·4
Mildenhall	06·9	+34	W'S	5	c/r	50	85	45	7	5	7	8	2-3	9	1500	1	*	63	45	45	Tr	7	2·5
Cranwell	05·5	+30	WSW	5	c	48	75	42	7	6	1	-	2-3	9+	1000	1	*	59	47	44	Tr	4	2·5
Birmingham	08·3	+26	WSW	4	b	47	75		8	1	-	5	1	1	1500	1	*	57	44	41	3	5	0·5
Upper Heyford	09·1	+34	W	3	b	48	75	41	8	2	8	4	Tr	1	3500	1	*	57	44	43	2	5	*
Ross-on-Wye	09·8	+24	WSW	4	bc	51	65	41	8	2	-	-	2-3	2-3	3000	1	*	57	45	41	5	5	0·1
Hartland Point	12·0	+24	WNW	5	bc/pr	50	75	41	8	3	4	-	4-6	4-6	1500	1	5	56	46	43	8	1	0·0
Bristol	11·9	+32	W	5	bc/pr	49	75	42	8	9	-	-	4-6	4-6	2500	1	*	56	45	40	5	7	0·0
Portland Bill	13·0	+30	W'N	5	c	50	92	48	7	2	-	-	7-8	7-8	4000	1	5	53	47	*	7	3	*
Plymouth	14·4	+30	W	4	bc	51	85	46	8	3	-	-	4-6	4-6	2000	1	4	55	47	41	9	5	0·0
The Lizard	15·1	+20	W'N	6	c	50	85	46	8	8	2	-	7-8	9+	1500	1	4	54	46	*	11	4	0·3
Scilly (St. Mary's)	14·6	+20	WSW	6	c	51	85	47	8	8	7	-	4-6	9+	1200	1	4	56	47	*	7	0·3	0·5
Guernsey																							
Pembroke	11·9	+36	W	6	bcq	50	75	43	8	2	3	2	2-3	4-6	2500	1	4	53	45	*	8	Tr	0·0
Holyhead (Valley)	07·0	+22	W'S	6	bc	49	75	43	9	2	6	3	2-3	2-3	2000	1	4	57	46	43	3	1	*
Chester (Sealand)	07·0	+30	W'S	5	bc	52	55	37	8	8	4	1	4-6	4-6	2000	1	*	57	48	42	0·4	4	0·3
Manchester	06·3	+30	W'S	4	c	48	75	42	8	2	-	-	7-8	9	2000	1	*	57	45	43	0·2	4	*
Spurn Head	03·4	+28	W	6	cq	49	85	45	7	3	2	-	7-8	10	1500	1	4	59	48		Tr	2	4·9
Catterick	02·9	+26	W	3	bc	50	75	42	8	1	9	1	4-6	4-6	2000	1	*	60	48	44	11	5	2·9
Tynemouth	01·2	+24	W	5	bc	50	92	45	7	2	3	1	2-3	4-6	2300	1	3	60	48	46	Tr	2	*
St. Abbs Head	98·3	+18	WSW	4	bc	48	75	41	8	2	4	-	2-3	4-6	2500	1	4	58	*		-	5	
Leuchars	98·1	+22	W	4	bc	50	85	45	9	7	4	-	2-3	2-3	2000	2	*	55	46	44	3	9	0·3
Renfrew (Abbots I.)	01·1	+22	WSW	4	c	47	85	42	8	8	-	-	9	9	1800	1	*	60	46	44	1	3	0·7
Eskdalemuir	01·3	+18	WSW	4	c	44	85	40	8	5	-	-	7-8	7-8	1800	1	*	57	43	42	2	7	1·3
Point of Ayre	04·3	+26	WNW	6	b	49	85	45	8	1	4	5	Tr	1	2000	1	5	52	45	*	3	4	0·0
Tiree	99·9	+30	W	4	bc/pr	50	85	43	8	8	3	-	4-6	4-6	2100	0	4	52	47	*	6	-	0·9
Stornoway	94·4	+6	S	5	pr	48	92	46	7	5	7	-	9	9+	1500	1	3	56	47	*	-	0·1	9·5
Dalwhinnie	97·5	+14	WSW	3	bc	45	85	40	8	5	-	-	4-6	4-6	1500	1	*	56	42	39	-	7	3·4
Aberdeen †	96·8	-12	NW	3	c	50	92	48	8	7	-	-	9+	9+	1700	1	2	50	47	46	Tr	9	0·0
Wick	96·2	-2	ESE	3	roro	48	92	47	7	5	7	-	9	10	2000	1	*	49	41	43	-	8	*
Sumburgh	00·5	-14	ESE	6	roro	47	97	47	6	6	-	-	10	10	600	1	4	51	46	46	-	Tr	4·2
Blacksod Point	04·1	+10	W'S	5	c/pr	50	75	42	8	9	-	-	9	9	1500	1	4	54	45	*	3	4	
Malin Head	01·3	+26	W'S	5	pr	48	85	44	8	9	8	-	4-6	9+	2500	1	4	53	46		7	0·5	0·0
Aldergrove	04·1	+22	WSW	4	b	47	75	39	9	5	4	-	1	1	3000	1	*	51	42	36	12	1	0·0
Birr Castle	07·3	+18	SW	2	c	46	92	44	7	8	7	-	7-8	9	1500	1	*	55	42	38	11	2	2·2
Valentia Obsy.	10·4	+16	W	5	c/pr	53	85	49	8	8	8	-	4-6	9	4000	1	5	55	49	44	2	0·3	1·4
Roches Point	10·2	+10	W	3	bc	48	85	44	8	5	-	-	4-6	4-6	1500	1	4	56	47	*	6	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 23rd May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 24th May $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	52	05636	10428	5-	08408	10628	5-	62408	43668	62	64627	11468
115	51	09734	10427	52	09735	43528	52	81735	43588	52	62735	20408
203	70	02945	12425	8-	02948	12528	5-	03848	12488			
206				52	22756	12568	52	61855	10268	53	01964	24365
210	87	02864	09426	07	02778	09428	57	02754	45426	57	61856	20367
220				62	66446	13368				51	02845	23428
230	82	61854	10427	62	62745	09368	62	02744	20266	83	25854	20386
245	5-	41518	07448	52	61635	14468	52	62526	47468	24	01952	24464
260	87	02865	13318	52	61865	13628	62	64655	11468	83	02855	23566
278	52	62746	45568	62	64515	45668	53	00852	28463	80	01854	21515
279	57	05755	13528	52	62654	13668	62	62753	24467	83	01864	22464
285	27	25745	14588									
288	52	61654	15428	62	22753	47668	5-	22657	20367	24	02944	59415
575	62	62736	47568	8-	81847	24487	80	01854	25484	83	02854	24485
301	62	62742	14468	52	02746	47668	5-	22655	58565	24	00751	58623
321	51	02756	17448	52	62746	49468	62	61654	16368	87	02744	59466
299	5-	05655	20315	5-	62648	26468	5-	64648	16668	8-	02755	24425
292	01	05669	17528	52	62755	14368	57	61765	22266	54	02945	24487
310	--	67552	62646									
614	52	05654	18428	52	62645	14468	83	22744	22365	52	01654	26365
333	52	64755	47568	52	61745	20468	04	01890	25583	54	01843	23414
334	--	56537	24158									
340	57	0284*	14528	52	64637	15468	2-	81857	24287	20	00943	25413
136	51	02974	18428	52	62755	14468	02	62758	18568	62	22734	24468
336	62	64626	20468	62	64526	16468						
350	51	02845	16528	72	62647	13568	53	05634	20364	50	01833	56514
368	62	62736	12468	62	65635	23468	24	02755	25366	36	01854	55414
379	52	61847	49628	62	64628	49668	5-	62658	22368	30	22463	09946
390	50	02746	16228	5-	62638	14368	61	62546	20468	5-	01743	57413
382	52	02844	48428	62	62737	48468	8-	82648	58388	30	00962	56402
438	52	02754	12316				52	02745	24618	26	02743	24615
430	17	02851	14328	62	64635	15458	5-	62755	24568	33	00852	22513
409	62	64627	50568	3-	59628	25588	54	01753	56684	37	81844	25518

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 24th May
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	c⊕	c roro rro	cro rro bc
Croydon	bcc	cro ro, r	crrbc
Greenwich	c⊕	crr	rbc
Camden Square	c	c	*
Kensington	bccr	c	*
Hampstead	or	or	orbc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre

Kew 24 hours ended 7h.
Max. Time: 60 whole period
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	60	48	37	2	6	3·8	*	*
Croydon	58	45	43	4	11	3·7	*	*
Greenwich	60	46	41	1	5	3·2	69	58
Westminster	60	47	46	5			83	79
Regents Park								
Camden Square	61	47	43	2	5	*	*	60
Kensington	60	47	43	1	6		91	65
Hampstead	58	44	43	2	5		*	70

BRITISH SECTION

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

SECRET

Monday 25th May 1942

No. 29404.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·5	+4	WSW	4	c	57	35	31	8	8	3	3	4-6	7-8	2500
	Croydon ...	14·2	+14	WSW	4	bc/pr	56	75	48	8	9	6	-	2-3	4-6	2500
	S. Farnborough	14·6	+6	WSW	5	pr	58	55	43	7	8	-	-	9	9	2000
	Boscombe Down	14·7	+6	SW	5	bc/pr	56	75	49	8	3	6	-	4-6	4-6	1800
	Thorney Island	15·6	+14	SW'W	6	bc	58	65	47	8	3	-	3	4-6	4-6	2500
	Lympne ...	16·2	+14	WSW	5	pr	54	75	45	7	3	6	-	4-6	7-8	2200
	Manston ...	14·7	+18	SW	4	c/pr	57	65	45	8	3	-	3	9	9+	2000
2	Shoeburyness ...	14·1	+14	SW	4	pr	56	65	43	8	8	3	*	7-8	9	1500
	Felixstowe ...	12·4	+12	SW'W	5	bc	58	55	42	8	3	-	-	4-6	4-6	1500
	Gorleston ...	10·9	+10	W	4	bc/pr	56	55	38	7	8	-	-	4-6	4-6	1200
	Mildenhall ...	11·8	+18	SW'S	5	c/pr	57	55	42	8	9	-	-	9	9	1200
	Cranwell ...	10·0	+22	W'S	5	c/ph	53	75	44	8	3	6	3	4-6	9+	2000
3	Birmingham ...	11·1	+14	WSW	4	cjp	57	56	42	8	8	-	-	7-8	7-8	4000
	Upper Heyford	11·8	+14	W'S	5	c	57	65	43	8	3	6	-	2-3	7-8	1500
4	Ross-on-Wye	12·3	+4	WSW	4	bc/pr	56	65	44	8	2	-	3	4-6	4-6	3000
5	Hartland Point	13·9	+10	WSW	5	c	52	85	48	7	5	4	-	4-6	7-8	2000
	Bristol ...	14·7	+14	W'S	5	bc	58	65	45	8	1	-	-	7-8	7-8	1500
	Portland Bill ...	17·1	+10	W	5	c	52	85	48	8	5	-	-	10	10	2500
	Plymouth ...	16·3	+6	W'S	5	c	56	85	51	8	8	7	-	7-8	7-8	2500
	The Lizard ...	17·2	+8	W	5	bc	54	85	50	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	16·7	+10	SW'W	5	c	58	75	50	7	8	7	2	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	13·3	+12	SW'W	6	cq	53	85	49	7	2	6	-	2-3	7-8	2500
7	Holyhead (Valley)	09·5	+10	SW	5	bc	55	75	45	8	2	6	6	1	4-6	2500
	Chester (Sealand)	09·6	+10	SW'W	4	c	58	55	41	8	3	-	-	7-8	7-8	2000
8	Manchester ...	09·3	+10	W'N	5	c	56	65	41	9	2	-	-	7-8	7-8	2000
10	Spurn Head ...	08·0	+14	W	6	cq	55	55	40	7	8	6	-	4-6	7-8	1500
	Catterick ...	07·4	+22	W'S	3	c/pr	54	65	43	8	2	-	-	7-8	7-8	2800
	Tynemouth ...	05·8	+16	W	6	pr	54	75	45	8	2	-	-	4-6	4-6	2800
11	St. Abbs Head	02·6	+20	W	5	bc	53	65	40	8	2	4	-	4-6	4-6	3500
	Leuchars ...	01·7	+10	WSW	5	bc/d	59	55	45	9	5	6	-	4-6	4-6	2000
12	Renfrew (Abbots I.)	04·4	+18	W	5	c	57	55	40	8	8	7	6	4-6	7-8	2000
	Eskdalemuir ...	04·4	+20	W	4	bc/pr	54	55	39	8	5	7	*	4-6	4-6	2200
	Point of Ayre ...	06·9	+12	WNW	5	b	59	65	47	8	1	4	5	Tr	1	3000
13A	Tiree ...	02·9	+10	SW'S	4	bc	54	75	47	8	8	-	-	4-6	4-6	2500
13B	Stornoway ...	99·0	+38	SW	5	c	53	65	42	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	01·5	+24	W	3	pr	46	75	39	8	5	4	-	4-6	9	2500
	Aberdeen ...	00·3	+20	NNW	3	c	58	55	43	8	7	-	8	7-8	9+	1700
	Wick ...	99·9	+20	NW'W	3	c	54	75	45	9	8	3	-	9	9+	4000
16	Sumburgh ...	00·0	+2	SE	4	r₀r₀	49	97	48	5	6	-	-	10	10	400
17	Blacksod Point	04·1	-10	S	4	c	56	65	45	8	8	-	-	9	9	1500
18	Malin Head ...	03·2	+6	W	5	bc	55	75	47	8	2	-	1	4-6	4-6	2500
	Aldergrove ...	06·0	+10	SW'W	4	pr	56	75	46	7	8	6	6	7-8	9+	2500
19	Birr Castle ...	07·8	+2	WSW	4	c	59	65	48	7	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	09·6	-12	SW'S	6	pr	55	75	47	8	2	7	-	2-3	9+	2500
	Roches Point	11·6	+2	W'S	6	bc/ph	56	85	52	8	3	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	13·9	-2	SW	4	c	56	65	46	8	8	-	-	9+	9+	2500	1	*
	Croydon ...	14·2	0	SW	3	bc	57	75	48	8	9	-	-	7-8	7-8	2200	1	*
	S. Farnborough	14·7	-2	WSW	3	c/pr	54	85	51	8	8	3	-	4-6	7-8	2500	1	*
	Boscombe Down	14·6	-4	SW	4	c/pr	53	85	49	7	3	6	-	4-6	9	1200	1	*
	Thorney Island	16·1	+2	WSW	5	c	54	85	49	8	7	4	-	4-6	9	800	0	*
	Lympne ...	16·8	+2	WSW	4	bc	54	85	48	8	1	-	-	4-6	4-6	1800	1	5
	Manston ...	15·2	+2	SW	3	b/pr	54	85	48	7	8	-	-	1	1	3000	1	*
2	Shoeburyness ...	14·3	+2	SW	4	bc	56	75	48	8	8	-	-	7-8	7-8	2100	0	*
	Felixstowe ...	13·2	-2	SW	5	pr	57	65	47	8	7	-	-	9	9	2500	1	3
	Gorleston ...	13·2	0	SSE	2	c/tlr₀	52	92	49	7	9	-	-	7-8	7-8	1000	1	3
	Mildenhall ...	12·1	0	WSW	5	bc	58	55	43	8	8	7	-	2-3	2-3	2000	0	*
	Cranwell ...	10·3	-2	WSW	5	bc	57	55	40	7	2	3	3	2-3	4-6	4000	0	*
3	Birmingham ...	11·6	+2	SW	3	pr	54	*	*	8	8	-	-	7-8	7-8	3000	1	*
	Upper Heyford	12·1	-2	SW	4	bc	57	65	45	8	1	6	-	4-6	4-6	3000	1	*
4	Ross-on-Wye	12·4	0	SW'W	4	bc	55	65	45	7	8	-	-	4-6	4-6	3000	1	*
5	Hartland Point	13·0	-8	WSW	5	bc	53	85	47	6	1	4	-	1	2-3	2000	1	5
	Bristol ...	14·5	-2	W	5	bc	55	75	50	8	2	6	-	Tr	4-6	4000	1	*
	Portland Bill ...	17·0	0	SW	5	c	52	85	48	7	5	-	-	9	9	2500	1	5
	Plymouth ...	16·5	-2	SW	4	b	54	92	52	6	2	-	-	Tr	Tr	2500	1	3
	The Lizard ...	16·4	-8	WSW	4	bc	55	85	51	8	8	6	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	14·9	-14	SW'S	5	bc	55	85	49	7	-	-	2	0	4-6	-	1	4
	Guernsey ...																	
6	Pembroke ...	12·2	-6	SW'S	6	bcq	52	85	49	7	5	-	-	2-3	2-3	2500	1	4
7	Holyhead (Valley)	08·5	-6	SSW	6	c/pr	53	85	49	6	8	-	6	2-3	9	2500	1	4
	Chester (Sealand)	09·9	-2	SW	3	bc	58	55	43	8	8	-	6	4-6	7-8	3500	1	*
8	Manchester ...	09·6	-2	SW'W	4	bc	57	65	46	9	2	6	-	2-3	4-6	2500	0	*
10	Spurn Head ...	09·1	0	W'S	6	bc	58	85	53	7	1	4	-	2-3	4-6	2500	0	4
	Catterick ...	08·3	0	WSW	4	c	55	65	44	8	1	7	3	2-3	9	3500	1	*
	Tynemouth ...	07·0	+8	W	3	c	57	55	42	8	2	3	-	4-6	7-8	2800	1	3
11	St. Abbs Head	04·1	+8	WSW	4	c	55	55	37	8	5	7	-	7-8	7-8	2500	0	3
	Leuchars ...	03·6	+2	W	4	bc/pr	56	75	49	8	9	6	-	7-8	7-8	2000	1	*
12	Renfrew (Abbots I.)	04·2	-4	SW	2	bc	55	65	45	7	2	4	6	Tr	4-6	3500	1	*
	Eskdalemuir ...	05·4	+2	SW	4	bc	51	75	43	8	5	-	-	7-8	7-8	2200	1	*
	Point of Ayre ...	06·4	-4	SW'W	5	c	58	75	50	8	1	5	5	Tr	7-8	2000	0	3
13A	Tiree ...	01·0	-16	S'W	3	bc	54	75	48	8	1	3	6	Tr	4-6	3500	0	4
13B	Stornoway ...	99·3	0	S	5	c	51	92	48	8	5	7	-	7-8	10	2500	1	3
15	Dalwhinnie ...	02·5	0	SSW	2	c	50	65	49	8	5	-	-	9+	9+	2500	0	*
	Aberdeen ...	02·5	+8	SE	2	pr	53	75	46	6	7	-	-	9+	9+	1800	1	2
	Wick ...	01·4	+4	NW	2	bc	52	85	43	9	8	-	2	4-6	4-6	4500	1	*
16	Sumburgh ...	00·6	+2	NW	1	r₀r₀	48	97	46	6	6	2	-	9	10	900	1	3
17	Blacksod Point	98·7	-38	S	6	bc	53	75	45	8	8	-	-	4-6	4-6	2500	1	5
18	Malin Head ...	00·4	-22	SW'S	4	c	53	85	49	8	2	2	-	4-6	9+	2500	1	4
	Aldergrove ...	03·2	-20	S'E	4	c	55	65	44	8	2	-	6	2-3	9	3000	1	*
19	Birr Castle ...	04·3	-22	WSW	3	c	56	65	45	7	8	7	-	7-8	9	1500	1	*
20	Valentia Obsy.	03·6	-42	SSW	5	c/r	52	92	50	7	6	7	-	7-8	10	1500	1	5
	Roches Point	07·5	-34	SW	6	c	54	85	50	7	3	1	-	4-6	9+	1500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 24th (39)	Weather. 13h.—18h. 24th (40)	Weather. 18h. 24th–1h. 25th (41)	Weather. 1h.–7h. 25th (42)
1	London (Kew)	cprcy	cypr₀c	cpr₀c	ccw
	Croydon ...	cpr₀bc	cpr₀bc	cpr₀c,b	bcir₀c
	S. Farnborough	bcvcpr₀q	cpr₀bc	bcc	c
	Boscombe Down	bctr	cpr₀pr₀c	bbcm₀	cm₀c
	Thorney Island	bcprbc	bcirbcc	cbbc	bcc
	Lympne ...	bctlrh	prh pr₀	bcccm₀	cbm₀wqm₀c
	Manston ...	bcprq	tlh₀qpr	bcm₀cbl	cbm₀
2	Shoeburyness ...	bcpr₀c	pr₀cbbc	bc	bcm₀
	Felixstowe ...	ccybcy	cpr₀tlr₀bc	bcb	bbc
	Gorleston ...	cm₀prtl	pr tlr₀c	cpr₀m₀	bcb
	Mildenhall ...	ccjp cpr₀	cybcy	bcybbcw	bcm₀wc
	Cranwell ...	cphbc	cprb	bcpr₀cb	bc
3	Birmingham ...	bcprh	bcpr₀	cprh	bcc
	Upper Heyford	ccprc	cprphcbc	bcprdb	c,ccm₀
4	Ross-on-Wye	bcp₀cp	bcp₀	bcbqc	ccr₀
5	Hartland Point	bccir	cbc	bbc	cirrrirc
	Bristol ...	bcphc	bc	bcb,bcm₀	bcmgbc
	Portland Bill ...	cpr	c	bcco	o
	Plymouth ...	cpr₀cprc	cpr₀b	bm₀cm₀	cm₀r₀r₀
	The Lizard ...	cbc	bc	bcco	crrq
	Scilly (St. Mary's)	cp₀c	cbc	bcir₀	r₀r₀rr
	Guernsey ...				
6	Pembroke ...	cq	bcq	cqrrm₀	crrqm₀
7	Holyhead (Valley)	bcbbc	bccpr₀	bcir₀m₀	irrrir
	Chester (Sealand)	bcc	c,bcy	bccyc	cr₀r₀m₀
8	Manchester ...	bcc	bccjp	bcc	ir₀m₀
10	Spurn Head ...	cqir₀	bc	bcb	cq
	Catterick ...	cpr	bcc	cbcb	cir₀czo
	Tynemouth ...	pr	bcpbccq	cbcq	bccq
11	St. Abbs Head	bc	bcc	bc	bccpr₀
	Leuchars ...	cpr₀bc	bcpr₀	c	crrm₀irc
12	Renfrew (Abbots I.)	bcpr₀cy	cpr₀bc	pr₀r₀r₀	cm₀r₀rr
	Eskdalemuir ...	cbc	bcpr₀cr	cpr₀	cpr₀r₀
	Point of Ayre ...	b	bbcc	bccr₀r₀	crr
13A	Tiree ...	bcpr	bc	cir₀	orr
13B	Stornoway ...	c	c	cpr₀	c
15	Dalwhinnie ...	bcprc	c	*	coirc
	Aberdeen ...	cbccy	cpr₀pr₀	cpr₀bc	crrir₀
	Wick ...	cr₀r₀pr₀c	cjp	jpbcb	ccr₀r₀
16	Sumburgh ...	cr₀r₀	cr₀r₀m₀	cr₀r₀m₀cbc	bcc,b
17	Blacksod Point	c	bc	r	bc
18	Malin Head ...	pr	pr	pr	r
	Aldergrove ...	dpccjp	PR pr₀bcy	c	cir₀Rr₀r₀
19	Birr Castle ...	pr	pr	*	pr
20	Valentia Obsy.	pr	pr	tlr	pr
	Roches Point	pr	pr	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 25th May

Districts	Forecast
1 S.E. England ↓	Cloudy with rain spreading east, heavy locally, and with risk of thunderstorms; becoming fine later. Fresh to strong southerly winds, gales locally, veering southwest later. Rather cool.
2 E. England ... ↓	
3 E. Midlands ...	
4 W. Midlands	Cloud; period of continuous rain early; bright intervals and showers later, with risk of local thunderstorms: becoming fine inland at night. Strong southerly winds, gales on coasts and exposed places inland, veering westerly and moderating. Rather cool.
5 S.W. England ↓	
6 South Wales ↓	
7 North Wales ↓	
8 N.W. England ↓	
9 N. Midlands ...	
10 N.E. England ↓	As 1-3
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man ↓	As 4-9
13A W. Scotland ... ↓	
13B N.W. Scotland ↓	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 4-9
17 N.W. Ireland ↓	Fresh squally west to west-northwest winds. Showers and bright intervals; local thunder. Rather cool.
18 N.E. Ireland ↓	
19 S.E. Ireland ↓	
20 S.W. Ireland ↓	

GENERAL INFERENCE

A deep depression off Northwest Ireland is moving northeast. There will be fresh or strong south winds in most districts reaching gale locally, veering west later. There will be appreciable rainfall in the West and North of the British Isles extending to Eastern districts later. Later today there will be bright intervals and showers in Western districts, and these conditions will extend eastwards, reaching East England during the late afternoon or evening. Thunderstorms will occur locally. Temperature will be a little below the seasonal average.

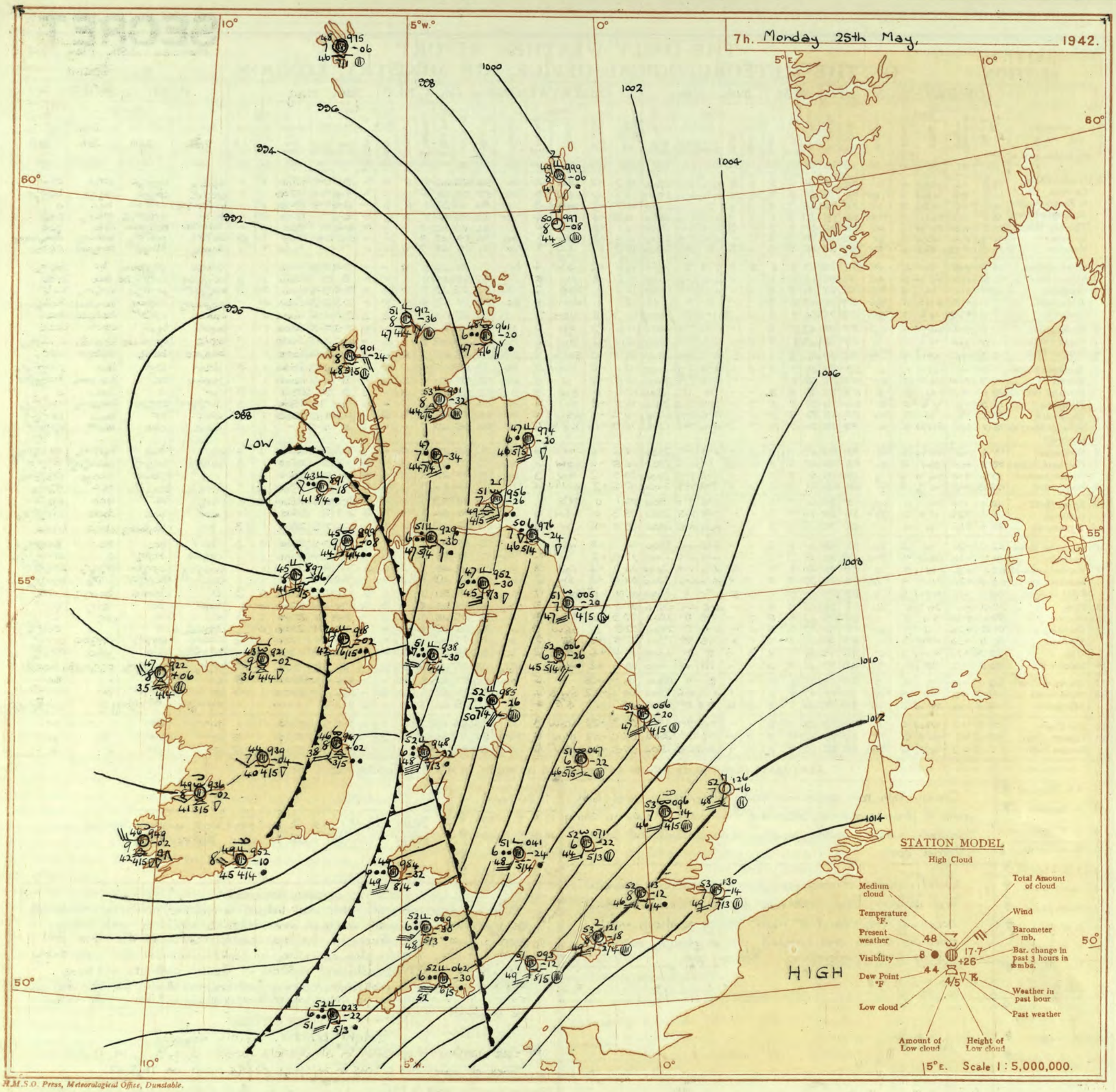
FURTHER OUTLOOK

Bright periods, squally showers.

↓ Gale warning in operation in all districts except 3, 4, 9, 11, 14, 15, & 16.
Times of issue 1745 & 2045 on 24/5/42, & 0245 & 0500 on 25.5.42.

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.

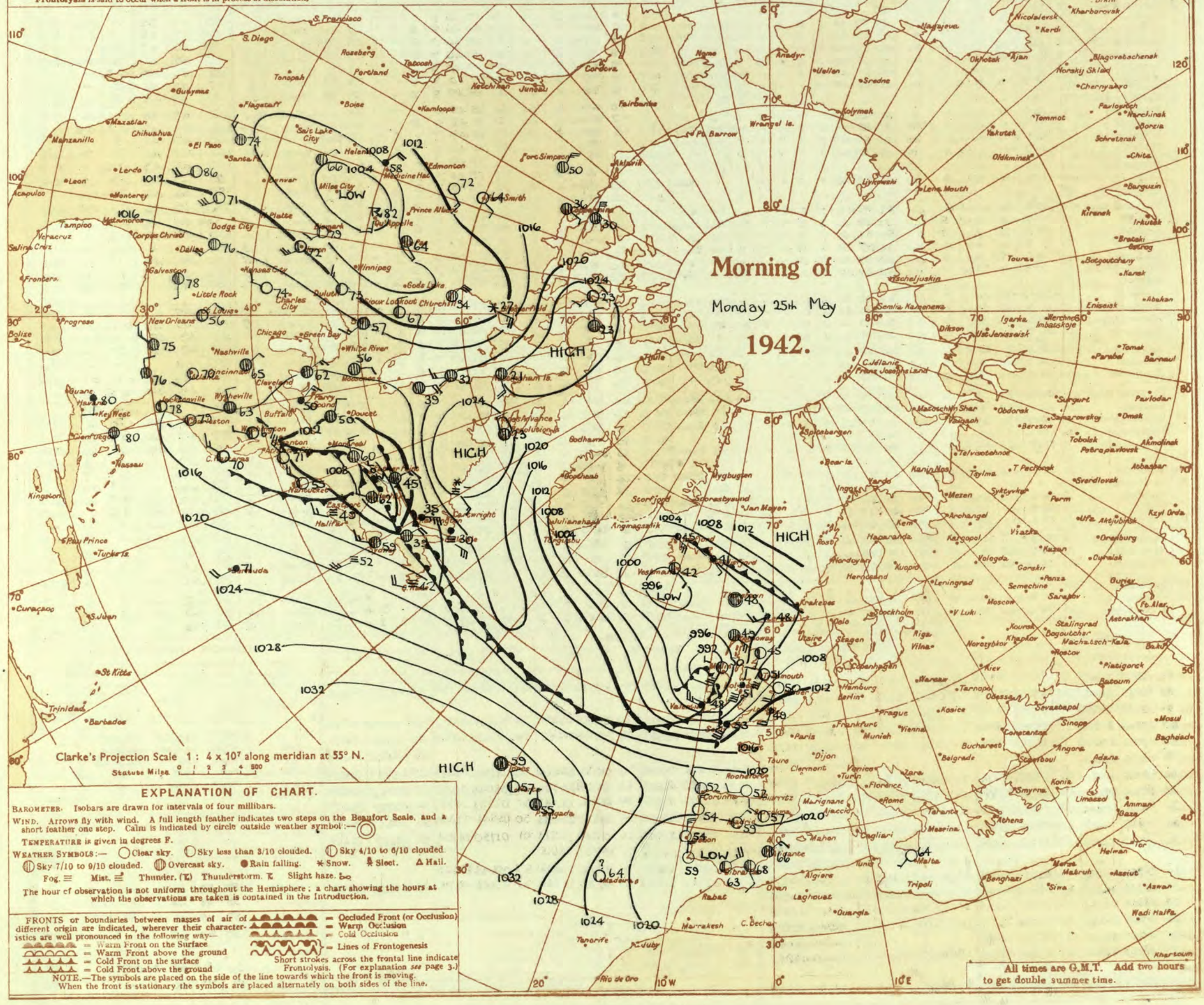
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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.

Page 4. BRITISH SECTION

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

Monday 25th May 1942

No. 29404

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

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)	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	14·4	-4	SSW	3	ir$_o$	49	92	48	7	5	4	-	4-6	4-6	1000
	S. Farnborough	226	13·8	-14	SW'S	3	c	49	85	45	7	5	-	6	2-3	7-8	2500
	Boscombe Down	417	13·5	-16	SSW	4	z$_o$	48	92	46	6	-	-	-	0	0	-
	Thorney Island	10	14·8	-14	SW	4	bc	51	97	50	7	5	-	6	1	4-6	450
	Lympne ...	283	16·9	-4	SSW	3	z$_o$	48	97	48	6	2	-	-	7-8	7-8	500
	Manston ...	154	15·7	-2	SW'S	2	b	48	92	47	7	-	4	-	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·2	-4	SW'S	4	b	51	92	49	7	-	-	-	0	0	-
	Gorleston ...	5	13·4	-6	WSW	4	c/pr	51	85	48	6	8	-	-	7-8	7-8	1200
	Mildenhall ...	15	12·7	-4	SSW	4	bc	50	85	47	7	5	3	-	1	2-3	4000
	Cranwell ...	203	10·3	-10	SSW	4	b	48	95	44	7	-	7	-	0	1	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·5	-14	SW	3	b	47	92	45	7	5	-	-	1	1	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·5	-34	WSW	6	c	52	75	46	7	5	2	-	4-6	9+	1500
	Bristol ...	209	11·4	-28	SSW	5	z$_o$	50	85	46	6	5	7	1	2-3	4-6	2500
	Portland Bill ...	32	13·9	-26	SW	5	o	50	92	48	7	5	-	-	10	10	2500
	Plymouth ...	82	11·9	-30	SW	6	z$_o$	52	97	51	6	5	-	7	9	10	2000
	The Lizard ...	240	12·0	-22	SW	6	o	52	92	50	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	07·9	-40	SSW	7	ir$_o$	53	85	49	6	6	2	-	7-8	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	05·3	-32	SSW	7	rr	52	92	49	6	5	2	-	7-8	9+	2500
7	Holyhead (Valley)	32	01·5	-42	SSW	8	ir	51	85	48	6	6	2	-	7-8	10	1600
	Chester (Sealand)	16	05·6	-32	SSE	3	c	50	85	45	6	5	-	8	7-8	9+	3500
8	Manchester ...	235	06·9	-26	S'E	4	c	49	85	44	8	5	7	-	Tr	9	2500
10	Spurn Head ...	29	09·8	0	SSW	4	b	50	92	47	7	-	-	-	0	0	-
	Catterick ...	175	06·1	-20	SW	3	bc	48	85	45	7	-	-	1	0	2-3	-
	Tynemouth ...	108	05·7	-14	SW	6	bcq	51	85	46	6	-	3	-	0	2-3	-
11	St. Abbs Head	280	02·2	-22	S	3	bc	48	75	41	8	5	-	-	4-6	4-6	2500
	Leuchars ...	36	01·1	-22	SE	1	c	48	92	46	7	4	6	8	1	9	3500
12	Renfrew (Abbots I.)	19	99·5	-30	SSE	3	r$_o$r$_o$	50	85	46	5	5	2	-	9	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	00·7	-20	SW'S	5	r$_o$r$_o$	50	97	49	7	6	2	-	7-8	10	1000
13A	Tiree ...	22															
13B	Stornoway ...	80	97·0	-10	ESE	4	c/pr	49	92	47	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01·4	-12	SSW	1	bc/r	45	85	42	7	5	1	-	2-3	4-6	3500
	Wick ...	114	00·5	-14	SE'S	2	bc	47	85	44	8	-	-	6	0	4-6	-
16	Sumburgh ..	19	01·1	0	WSW	3	bc	47	97	46	7	5	2	-	4-6	4-6	2000
17	Blacksod Point	18	91·8	-22	SSW	5	c/pr	48	85	44	7	9	-	-	9+	9+	800
18	Malin Head ...	84	92·2	-42	SSW	5	bc	50	85	46	8	4	2	-	4-6	4-6	1500
	Aldergrove ...	268	96·5	-36	SSE	5	c	49	85	45	8	5	7	8	4-6	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	96·5	-18	WNW	5	iR	48	85	44	6	6	2	-	9	10	1500
	Roches Point	22	98·6	-40	SW	6	rr	52	97	51	7	6	2	-	7-8	10	800

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

Stations	Barom. at M.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)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	10·2	-18	SSW	3	c	53	75	46	8	7	-	8	7-8	9	2500	1	*
Croydon	11·3	-12	SSW	4	c	52	85	46	8	5	-	-	9	9	1500	1	*
S. Farnborough	09·9	-18	SSW	6	c	52	85	46	7	5	-	-	9+	9+	1000	1	*
Boscombe Down	09·1	-18	S'E	6	c	52	85	46	7	5	-	-	9+	9+	1600	1	*
Thorney Island	11·1	-18	SSW	5	c	53	85	49	8	6	-	6	1	9	800	0	*
Lympne	14·7	-8	S	3	c	50	97	50	8	5	-	-	9+	9+	500	1	§
Manston	13·0	-14	SSW	4	c	53	85	49	7	5	-	-	9+	9+	800	1	*
Shoeburyness	12·7	-10	S'W	4	bc	54	85	48	6	1	7	-	Tr	4-6	1500	0	*
Felixstowe	12·0	-12	WNW	5	bc	53	85	48	8	5	-	-	4-6	4-6	1000	0	4
Gorleston	12·6	-16	SSW	5	bc	52	85	48	7	-	8	-	0	2-3	-	1	4
Mildenhall	09·6	-14	S'W	4	c	53	75	46	7	5	7	2	4-6	9+	2000	0	*
Cranwell	05·8	-20	S	6	c	51	85	45	7	6	1	-	4-6	9+	900	1	*
Birmingham	04·1	-22	S	5	c	52	75	44	8	6	-	-	9+	9+	800	1	*
Upper Heyford	07·1	-22	SSW	4	z$_o$	52	75	44	6	5	3	-	7-8	9	800	1	*
Ross-on-Wye	04·1	-24	SSW	5	r$_o$r$_o$	51	85	48	6	6	1	-	7-8	10	1500	1	*
Hartland Point	00·9	-30	SW	7	ir	52	85	48	6	6	2	-	7-8	10	600	1	5
Bristol	06·2	-28	SSW	5	c	53	75	47	7	5	1	-	9	10	1500	1	*
Portland Bill	09·3	-12	S	5	o	51	92	49	7	5	-	-	10	10	2500	1	5
Plymouth	06·2	-30	SW	6	r$_o$r$_o$	52	97	52	6	5	2	-	9	10	2000	1	5
The Lizard	04·2	-30	SW	7	rr	52	92	50	7	5	-	-	10	10	1000	1	5
Scilly (St. Mary's)	02·3	-22	SSW	6	rr	52	97	51	6	5	2	-	7-8	10	800	1	4
Guernsey																	
Pembroke	98·4	-32	SSW	7	r$_o$r$_o$	49	97	49	6	5	-	-	10	10	1500	1	5
Holyhead (Valley)	94·8	-32	S'W	8	ir	52	85	48	6	6	2	-	9+	10	800	1	5
Chester (Sealand)	99·9	-26	S'E	4	r$_o$r$_o$	52	85	47	6	5	2	-	4-6	10	1400	1	*
Manchester	01·7	-28	S	6	c	52	75	46	7	5	7	-	7-8	9+	2000	1	*
Spurn Head	05·6	-20	S	6	c	51	85	47	7	2	6	-	4-6	9+	2500	0	4
Catterick	00·6	-26	S'E	5	z$_o$	52	75	45	6	5	-	-	7-8	9+	1500	1	*
Tynemouth	00·5	-20	S	6	c	51	85	47	7	5	3	-	4-6	7-8	2700	1	3
St. Abbs Head	97·6	-24	SE	4	pr	50	85	46	7	6	4	-	7-8	9+	2000	1	4
Leuchars	95·6	-26	SSE	4	c/r	51	85	49	7	8	6	7	4-6	10	2200	1	*
Renfrew (Abbots I.)	92·9	-30	SE'S	3	rr	51	85	47	6	5	2	-	7-8	10	2000	1	*
Eskdalemuir	95·2	-30	S	5	r$_o$r$_o$	47	92	45	6	-	2	-	10	10	900	1	*
Point of Ayre	93·8	-30	SW'S	6	rr	51	97	50	7	6	2	-	9	10	1000	1	5
Tiree	89·1	-18	WSW	2	r$_o$r$_o$	43	92	41	7	-	2	-	10	10	1500	1	4
Stornoway	90·1	-24	E	5	c	51	92	48	8	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	92·3	-34	SSE	4	ir$_o$	47	85	44	7	5	-	-	9+	9+	1500	1	*
Aberdeen †	97·4	-20	S'E	4	ir$_o$	47	97	46	6	5	2	-	7-8	10	2100	1	2
Wick	96·1	-20	SE	4	r$_o$r$_o$	48	92	47	6	5	7	-	4-6	9+	3500	1	*
Sumburgh	99·7	-8	SE'S	4	b	50	85	44	8	-	-	8	0	Tr	-	1	
Blacksod Point	92·2	-6	WSW	4	bc	47	65	36	8	8	-	-	4-6	4-6	1500	1	3
Malin Head	89·7	-6	S	3	c/r	45	85	41	8	5	2	-	7-8	9	2500	1	3
Aldergrove	91·8	-2	SSW	2	c/r	44	92	42	9	5	2	-	9	9+	1500	1	*
Birr Castle	93·9	-4	SW	2	bc	44	85	40	7	5	-	-	4-6	7-8	2500	1	*
Valentia Obsy.	94·9	-2	W	5	bc/ph	46	85	42	9	8	-	3	4-6	4-6	2500	1	4
Roches Point	95·2	-10	SW'W	4	c	49	85	45	8	6	2	2	4-6	9	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)	Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
London (Kew)	59	49	38	1	0·2	10·2
Croydon	58	48	46	1	0·1	11·5
S. Farnborough	58	49	43	4	-	9·3
Boscombe Down	57	47	41	3	0·6	5·2
Thorney Island	58	50	45	0·1	-	*
Lympne	57	47	41	3	-	8·8
Manston	57	47	44	5	-	10·2
Shoeburyness	61	49	45	0·1	-	11·8
Felixstowe	61	50	45	0·2	0·5	10·3
Gorleston	57	47	41	3	1	8·9
Mildenhall	61	47	41	Tr	Tr	10·8
Cranwell	59	46	43	0·6	-	8·8
Birmingham	59	47	43	0·3	2	8·8
Upper Heyford	59	46	44	Tr	0·4	*
Ross-on-Wye	59	49	46	0·1	0·5	8·5
Hartland Point	54	49	48	0·6	4	6·3
Bristol	59	48	43	0·2	1	10·7
Portland Bill	52	48	*	0·6	-	*
Plymouth	52	51	47	1	Tr	3·1
The Lizard	56	50	*	1	3	8·4
Scilly (St. Mary's)	58	52	*	Tr	5	9·2
Guernsey						
Pembroke	54	45	*	-	5	7·3
Holyhead (Valley)	57	49	48	0·1	1	*
Chester (Sealand)	60	49	45	-	0·4	11·7
Manchester	57	49	45	Tr	0·1	*
Spurn Head	59	48	*	-	-	7·0
Catterick	58	46	41	1	0·1	10·4
Tynemouth	60	49	45	0·6	-	*
St. Abbs Head	57		*	-	Tr	*
Leuchars	69	43	38	Tr	2	12·8
Renfrew (Abbots I.)	59	47	45	0·6	3	7·3
Eskdalemuir	56	45	45	2	6	7·4
Point of Ayre	61	49	*	-	3	12·0
Tiree	55	43	*	0·1	7	11·0
Stornoway	58	48	*	0·1	0·1	3·7
Dalwhinnie	53	43	36	0·5	4	5·9
Aberdeen †	58	46	41	0·6	1	2·9
Wick	55	45	42	1	Tr	*
Sumburgh	49	44	33	8	2	0·0
Blacksod Point	58	43	*	0·3	12	*
Malin Head	57	43		2	4	6·8
Aldergrove	59	42	40	2	*	8·9
Birr Castle	61	42	40	2	6	5·9
Valentia Obsy.	58	43	41	2	9	
Roches Point	58	48	*	1	15	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109	52	02845	21567	57	02864	25426	07	00890	12201	5-	00881	11503
115	52	02835	20488	54	02844	22325	57	02844	12326	52	02844	45527
203	8-	02836	20526	8-	02845	16415	5-	02937	12427	5-	02848	12428
206	87	02965	24325	7-	01964	24414	51	02864	18325	82	02866	14428
210	83	02964	23466	73	01964	21414	53	02865	15226	57	02864	12426
220	70	01855	22415							62	64635	20268
230	86	25955	20486	83	02855	16226	57	02854	12125	62	64637	12368
245	26	01964	55414	80	01963	23414	44	02762	16215	8-	22767	47567
260	20	01864	22584	84	01863	21524	57	01854	06514	5-	62856	14566
278	86	10953	22413	8-	02856	19386	52	62746	15468	32	64638	12468
279	30	01963	53514	87	01753	53524	51	02753	48627	5-	64848	16568
285										6-	63638	20568
288	26	25955	55585	80	02952	54415	07	02790	16425	51	61754	49728
575	2-	02855	24385	36	14845	53587	62	62637	16368	33	01944	20285
301	23	00951	24612	26	01851	23524	5-	02756	14526	52	61747	48628
321	20	01754	58484	86	02755	22216	00	17690	16227	52	02746	50528
299	80	02755	24615	80	01763	24413				51	22754	18465
292	20	01954	23484	87	02954	22316	50	01653	16213	52	61645	02951
310												
614	36	25764	57485	36	02754	55424	46	05653	51314	57	05655	49327

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

III	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333	23	01863	20515	5-	01743	20514	02	25688	51788	62	63735	50668
334												
340	23	02954	23515	20	01853	22514	50	02854	17587	57	02844	16768
136	36	10954	55584	86	25865	21295	06	05690	20314	59	02745	18415
336										62	64626	20568
350	3-	10855	54685	26	01854	55424	50	00741	17481	57	02733	39625
368	33	01853	54583	83	02643	54526	6-	05644	20518	52	62737	53668
379	2-	02846	55516	20	00842	55583	5-	02727	55587	5-	02727	51627
390	36	28854	56495	20	01853	23493	50	05544	22484	5-	05647	49427
382	3-	25954	57484	26	01853	23513	01	01790	18204	5-	02847	51428
438	28	14732	24613	87	14753	24615						
430	20	02856	55526	7-	02766	22586	57	05644	23425			
409	85	02764	53525	20	00753	22513	52	05646	49718	62	64626	50768

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 25th May
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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cpr$_o$y	cypr$_o$c	ccw pr$_o$	
Croydon ...	cpr$_o$bc	cpr$_o$bc	cpr$_o$c bir$_o$	
Greenwich ...	bcpc	bc	bccprbc●	Kew 24 hours ended 7h. Max. Time
Camden Square	bcpr	cpr	*	
Kensington ...	bcpr	bcpr	*	
Hampstead ...				Min. Time

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew ...	59	49	38	1	0·2	10·2	*	*
Croydon ...	58	48	46	1	0·1	11·5	*	*
Greenwich ...	59	48	41	1-	Tr	9·7	62	65
Westminster ...	59	50	47	2			80	87
Regents Park ...								
Camden Square	60	49	44	3	0·5	*	*	69
Kensington ...	61	49	44	1	-			54
Hampstead ...							*	

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

SECRET

Tuesday 26th May 1942

No. 29,405

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	06.5	-22	SW'S	6	ror	57	65	44	8	5	-	7	9+	10	2500
	Croydon	07.5	-22	SSW	5	c	59	55	45	8	2	-	6	7-8	9	1800
	S. Farnborough	07.0	-16	SSW	5	roro	54	85	49	5	5	-	-	10	10	800
	Boscombe Down	05.2	-22	S	6	rr	51	92	49	6	6	2	-	7-8	10	600
	Thorney Island	08.3	-18	S'W	6	roro	54	85	50	7	5	2	-	7-8	10	400
	Lympne	11.8	-16	S	4	c	57	75	49	8	4	-	7	4-6	10	3000
	Manston	10.3	-14	SSW	6	c	59	65	47	8	1	-	7	2-3	10	1500
2	Shoeburyness	10.0	-12	SSW	5	c	60	65	47	8	7	-	-	9	9	1200
	Felixstowe	09.4	-18	S'W	6	c	58	65	47	8	1	1	-	2-3	10	1500
	Gorleston	08.8	-14	SW'S	6	c	54	85	48	7	5	-	-	10	10	1500
	Mildenhall	06.1	-18	S'W	5	c	60	55	43	7	1	7	-	4-6	10	1500
	Cranwell	01.6	-22	S	7	roro	56	65	45	7	5	1	-	7-8	10	2000
3	Birmingham	99.7	-20	S	5	roro	51	92	49	7	6	-	-	10	10	800
	Upper Heyford	03.9	-14	S	7	rr	51	92	48	6	6	2	-	9+	10	800
4	Ross-on-Wye	99.3	-20	SW'S	6	iR	53	92	50	7	6	2	-	9+	10	800
5	Hartland Point	00.9	+22	W	3	ir	47	85	44	6	5	2	-	4-6	9+	1000
	Bristol	02.2	-20	WSW	6	rr	52	92	50	6	6	2	-	9	10	500
	Portland Bill	05.6	-16	SSW	6	rr	51	92	49	7	5	-	-	10	10	2500
	Plymouth	03.6	-4	W	5	roro	50	92	48	6	6	-	-	10	10	2000
	The Lizard	02.8	+12	WNW	4	rr	49	97	49	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	02.5	+14	WSW	5	c	50	85	52	7	8	2	-	7-8	10	1200
	Guernsey															
6	Pembroke	98.9	+6	SW'S	7	ir	49	85	44	7	8	7	-	4-6	9+	2000
7	Holyhead (Valley)	96.7	+10	S'W	6	c/r	50	85	44	8	8	-	-	9+	9+	2000
	Chester (Sealand)	98.6	+6	WSW	3	roro	47	92	45	7	5	2	-	T	10	1000
8	Manchester	98.8	+4	WNW	4	rr	45	92	43	5	6	2	-	7-8	10	800
10	Spurn Head	01.8	-24	SSW	8	rR	57	65	45	7	-	2	-	9+	9+	2500
	Catterick	96.9	-18	S	4		52	92	50	4	6	2	-	9	10	700
	Tynemouth	96.2	-16	S	6	c/pr	51	92	49	6	8	-	-	9+	9+	2400
11	St. Abbs Head	94.1	-2	S	5	roro	48	92	46	8	6	2	-	7-8	10	1500
	Leuchars	93.2	0	SW	3	roro	49	85	43	7	-	2	-	10	10	1200
12	Renfrew (Abbots I.)	92.9	+2	SW	3	c/r	50	75	41	8	5	2	-	7-8	9+	1800
	Eskdalemuir	94.2	+4	SSW	4	rr	44	85	41	6	-	2	-	10	10	400
	Point of Ayre	94.5	+2	WSW	5	c	50	75	43	8	8	1	-	2-3	9	2000
13A	Tiree	90.7	+8	SSW	3	bc	52	75	42	8	8	-	-	4-6	4-6	2800
13B	Stornoway	89.4	+14	SSW	3	c/pr	46	92	33	8	5	2	-	7-8	10	1500
15	Dalwhinnie		+6	SSE	3	c	45	75	38	8	5	2	-	7-8	10	2500
	Aberdeen	93.6	-10	SSE	5	rr	48	97	47	6	6	2	-	7-8	10	1500
	Wick	92.2	-18	SE	6	rr	49	92	47	6	5	7	-	2-3	10	2000
16	Sumburgh	98.1	-10	SSE	5	z	51	85	47	6	7	-	-	2-3	2-3	1000
17	Blacksod Point	88.9	-14	SSW	6	pr	47	75	40	8	9	-	-	9+	9+	2500
18	Malin Head	80.8	-4	SSW	3	c	52	55	37	8	2	-	1	4-6	7-8	2500
	Aldergrove	92.3	-2	SW	4	cjp	53	55	45	9	3	6	3	1	7-8	2500
19	Birr Castle	94.1	0	WSW	3	c	49	65	38	7	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	96.6	+10	WNW	5	c/phr	48	75	41	9	8	-	-	9+	9+	2500
	Roches Point	97.4	+22	WSW	6	pr	48	85	44	8	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 25th May

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	05.6	0	W	2	roro	49	85	46	6	6	2	-	2-3	10	1500	1	*
Croydon	05.7	-8	W'S	4	iR	51	97	50	5	6	2	-	10	10	500	1	*
S. Farnborough	05.6	+2	WSW	3	roro	48	92	46	7	5	-	-	10	10	1000	1	*
Boscombe Down	04.5	-2	SSW	4	ir	47	92	45	9	6	2	3	9+	9+	1500	1	*
Thorney Island	06.2	-10	W'S	2	rr	49	97	48	6	5	2	-	9+	10	2500	1	*
Lympne	09.1	-14	S	5	roro	52	85	49	7	6	2	-	10	10	7000	1	§4
Manston	08.3	-8	SSW	4	roro	54	85	49	6	6	2	-	4-6	10	1500	1	*
Shoeburyness	07.2	-16	SSW	5	roro	55	75	49	8	6	2	-	4-6	10	900	1	*
Felixstowe	07.0	-22	SSW	6	roro	56	75	49	7	5	2	-	9+	10	1500	1	5
Gorleston	06.4	-10	SW'W	7	z	56	75	49	6	5	-	-	9+	9+	1000	1	6
Mildenhall	04.7	0	W'S	4	rr	53	85	49	6	5	2	-	7-8	10	600	1	*
Cranwell	01.9	+14	S	4	c/r	47	92	45	7	5	2	-	10	10	2000	1	*
Birmingham	01.7	+4	S	3	pr	43	92	41	8	6	7	-	9	9+	800	1	*
Upper Heyford	03.1	+2	SSW	3	c/r	47	92	44	8	5	1	-	9+	10	1000	1	*
Ross-on-Wye	02.0	+4	SW'S	3	c/pr	48	75	42	8	9	-	1	2-3	9	2500	1	*
Hartland Point	02.5	+20	W	5	bc	51	75	42	8	2	6	2	2-3	4-6	2500	1	4
Bristol	03.8	+2	S	3	cjp	48	85	45	8	8	7	-	2-3	9+	2500	1	*
Portland Bill	04.9	-4	SW	4	c/r	50	92	48	7	5	-	-	10	10	2500	1	5
Plymouth	04.4	+2	W	4	c	53	75	46	7	1	7	1	4-6	7-8	2500	1	4
The Lizard	04.3	+10	W	4	bc	51	75	42	8	8	7	-	4-6	4-6	1500	1	4
Scilly (St. Mary's)	03.9	+4	SW'W	5	c/pr	53	65	42	8	8	5	3	2-3	7-8	1200	1	4
Guernsey																	
Pembroke	00.9	+12	SW'W	6	bcq	51	75	42	8	2	6	-	2-3	4-6	2500	1	5
Holyhead (Valley)	96.7	+6	SW'S	6	bc	51	75	42	8	3	6	-	1	2-3	2000	1	4
Chester (Sealand)	98.4	-2	SW'S	4	bc	54	55	39	8	2	-	-	2-3	2-3	3000	1	*
Manchester	99.5	+4	S'W	4	c/pr	49	85	45	8	2	6	3	4-6	7-8	2500	1	*
Spurn Head	01.7	+14	SSW	4	roro	48	85	44	6	-	2	-	10	10	2500	1	4
Catterick	98.3	+6	SSW	3	z	49	75	42	6	4	9	-	4-6	9	2000	1	*
Tynemouth	97.6	+4	SSW	4	c	48	92	45	6	5	-	-	9	9	1600	1	3
St. Abbs Head	94.7	+4	S	2	c	50	75	41	8	6	2	-	4-6	7-8	1500	0	3
Leuchars	92.9	0	SSW	4	c	52	60	42	8	2	3	-	4-6	7-8	3000	1	*
Renfrew (Abbots I.)	92.8	+2	SSW	4	bc	52	55	38	8	3	-	1	4-6	4-6	2500	1	*
Eskdalemuir	94.4	0	SSW	5	pr	47	75	42	8	5	-	-	7-8	7-8	800	1	*
Point of Ayre	94.8	+2	SW	5	b	53	75	45	8	1	-	-	1	1	2000	1	4
Tiree	88.9	-12	SSE	4	c	48	75	41	8	8	1	-	4-6	7-8	2500	0	4
Stornoway	89.0	-6	SSE	4	bc	50	65	39	9	2	-	5	2-3	4-6	3000	1	2
Dalwhinnie	90.0	0	S	3	bc	47	55	34	8	8	-	2	4-6	4-6	2000	1	*
Aberdeen	93.6	+10	S	3	c	47	92	45	7	5	7	-	4-6	9	1700	1	3
Wick	92.0	+2	SW	8	ir	47	85	43	9	8	2	-	7-8	9+	2000	1	*
Sumburgh	95.3	-24	SSE	6	roro	47	97	47	5	5	-	-	10	10	450	1	4
Blacksod Point	89.7	+16	W'S	5	PHR	46	75	39	8	9	-	-	10	10	800	1	4
Malin Head	87.7	-14	SSW	5	c/pr	47	75	40	8	9	2	-	4-6	10	2500	1	3
Aldergrove	91.9	-2	S	4	+lr	49	75	41	8	9	-	-	9+	9+	2000	1	*
Birr Castle	94.8	+2	W	3	pr	44	85	40	7	9	2	-	7-8	10	800	1	*
Valentia Obsy.	95.9	-2	SW'W	5	bc/pr	51	75	44	8	3	7	3	1	4-6	2500	1	5
Roches Point	97.4	0	WSW	6	c	52	75	45	8	3	-	3	4-6	7-8	1500	1	5

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 25th (39)	13h.—18h. 25th (40)	18h. 25th to 1h. 26th (41)	1h.—7h. 26th (42)
London (Kew)	ccir	roqrm	crromoc	bcbbcw
Croydon	c	crrm	crroc	cirbcpr
S. Farnborough	crrmz	crrrrr	cr occ	cbwprbc
Boscombe Down	crrm	crrm	cromoc	bbc
Thorney Island	beerr	crRr	rrprrc	cbce
Lympne	c ⊕	c⊕rr	rororomo	cmocpro
Manston	cbee ⊕	cirrr	crromo	rromobc
Shoeburyness	bcmc	crroo	rorocbc	bc
Felixstowe	bee ⊕	cerr	crromcir	circbc
Gorleston	c	cmq	c	cbc
Mildenhall	o.cey	prrcrr	crrccmo	bcb
Cranwell	cerp	crrm	cbc	bwb
Birmingham	corr	orRc	prbc	bcbl
Upper Heyford	crrrr	rrRqrc	cprc	cbmobc
Ross-on-Wye	rqcrr	rrcp	bcb	b
Hartland Point	irirc	ircbc	bcpr	bcprc
Bristol	crrrr	crrc	bcb, bcw	bwb
Portland Bill	oir	cR	c	c
Plymouth	cmrrr	cmrrbc	bct bcpr	bcproc
The Lizard	orr	cbc	prbc	bccpr
Scilly (St. Mary's)	crrrrc	cr	cpq bc	ccrrr
Guernsey				
Pembroke	eqir	beq	cbcq	cprq
Holyhead (Valley)	RRrrir	cbccbc	bcbpr	cbcc
Chester (Sealand)	crrrm	crrbc	bcyb	cpromo
Manchester	irrr	rrpr	b	bbcw
Spurn Head	crv	orr	o	b
Catterick	crm Rm	crrm	procbmo	bcmocmo
Tynemouth	cRq	orrc	cbcb	bbc
St. Abbs Head	cprorrr	rcrc	cbcbbr	cbcrobc
Leuchars	rrrrc	ctlrc	bcbbcc	bccjpwbc
Renfrew (Abbots I.)	cmrrpr	cbqyphr	PRqbc	ciroc
Eskdalemuir	prrr	prepr	cPR	PR proc
Point of Ayre	rrirc	cbcb	cprl	cbcc
Tiree	cbc	bbc	bcc	c
Stornoway	crrpr	cprir	cRR	CRRc
Dalwhinnie	ciro	pirbc	*	bciro
Aberdeen	ccrr	crrrr	cprob	bbc
Wick	bccrrm	cprcir	bcb	bc
Sumburgh	bmo	bcrm	crrc	cbbc
Blacksod Point	pr	pr	pr	pr
Malin Head	pr	pr	pr	pr
Aldergrove	cjpbc	phrqpr	ccpr	cprbcc
Birr Castle	pr	pr	*	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	pr	pr	pr

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FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 26th May 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

Wind South to southwest fresh or strong at times, cloudy, a period of rain; bright intervals and local showers later, cool.

12 S.W. Scotland & Isle of Man
13A W. Scotland
13B N.W. Scotland
14 Mid Scotland
15 N.E. Scotland

Wind South to southwest fresh or strong at times; occasional rain or showers with local thunder; Some bright intervals, cool.

16 Orkneys and Shetlands
17 N. W. Ireland
18 N. E. Ireland
19 S. E. Ireland
20 S. W. Ireland

As 12-15.

GENERAL INFERENCE

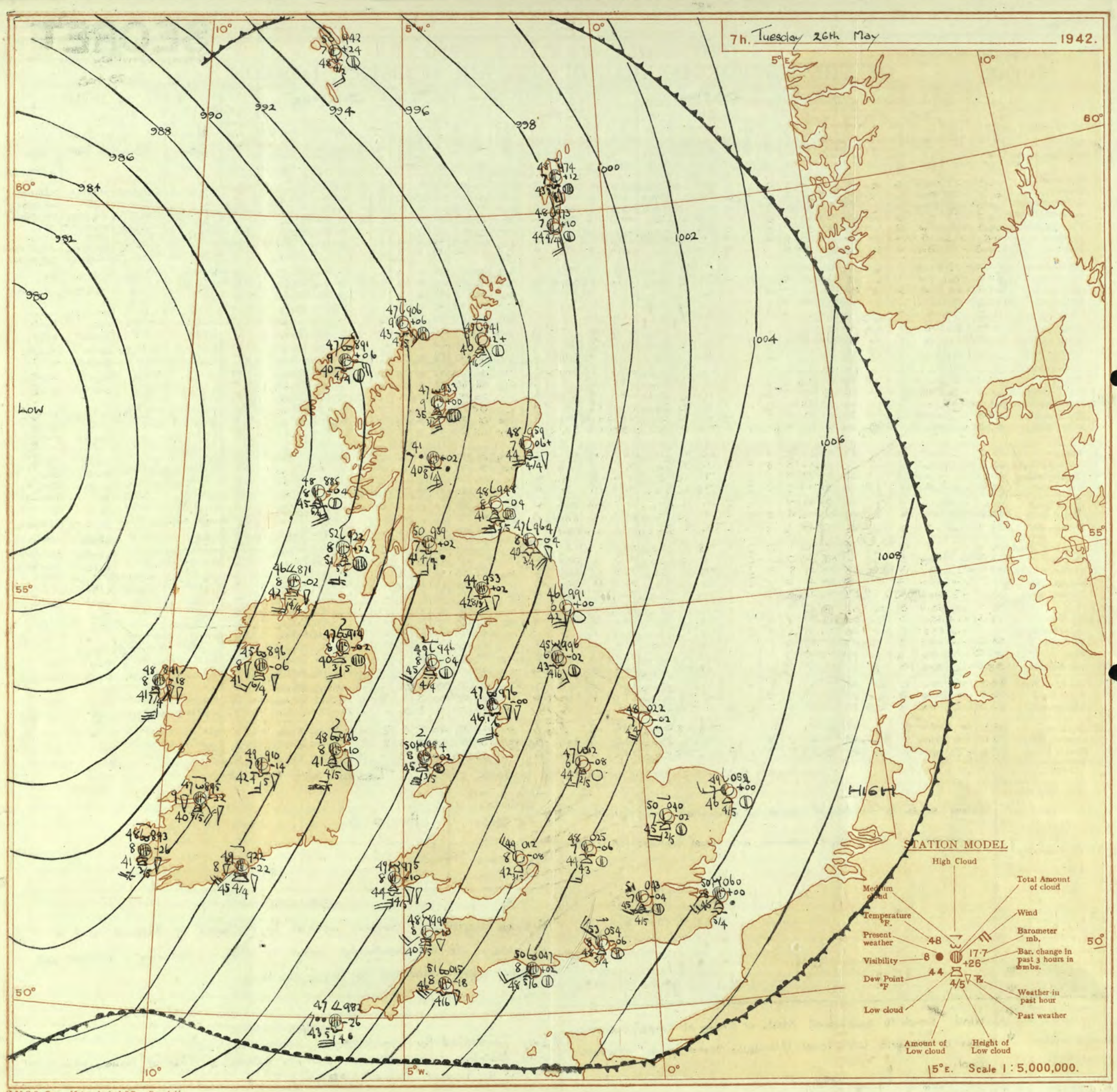
A deep depression remains centred to Northwest of Ireland and a Secondary off our Southwest coast is moving northeast. Weather will remain very unsettled for some days.

FURTHER OUTLOOK

Very unsettled for some days, continuing cool.
Gale warning in operation in districts 12 and 13 Time of issue 0400 G.M.T
10 and 11 Time of issue 08-30 G.M.T.

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).

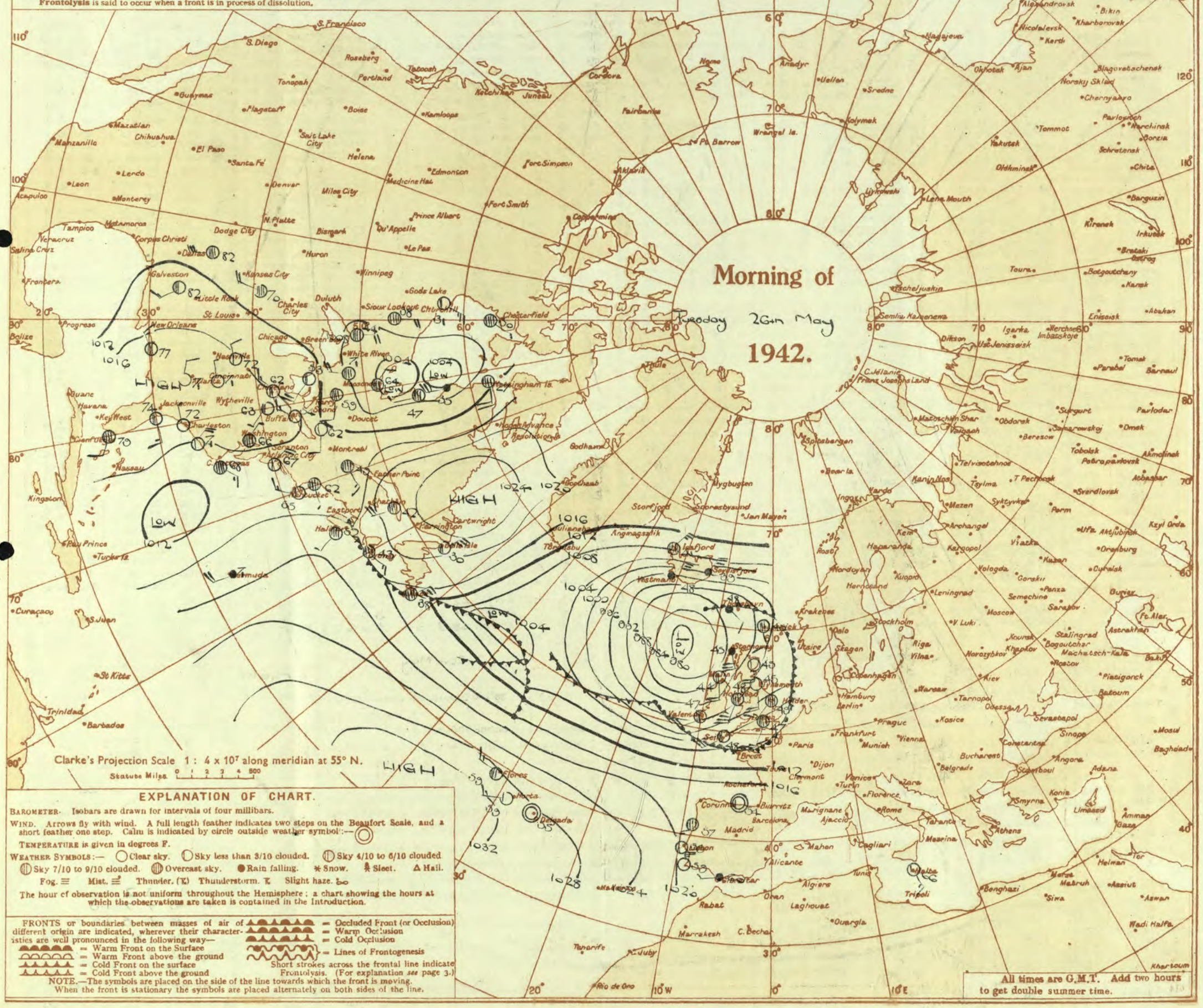
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (K) Thunderstorm. Slight haze.

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

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

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

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

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

BRITISH SECTION

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

Tuesday 26th May 1942
No. 29,425

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

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	05·4	-6	S'W	3	c	47	92	45	7	5	2	–	9+	10	1100
	S. Farnborough	226	04·9	-6	SSW	3	c	47	92	45	7	5	1	5	2-3	9+	1500
	Boscombe Down	417	04·8	-4	S'W	3	bc	44	97	43	7	–	7	–	0	7-8	–
	Thorney Island	10	06·1	-2	SSW	4	c	50	92	47	7	5	1	–	7-8	9+	1900
	Lympne	283	08·4	-2	S'W	4	c/r	46	97	46	6	6	2	–	Tr	10	800
	Manston	154	06·6	-6	S'W	2	r0r0	47	92	45	6	6	2	–	9+	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	05·8	-2	SW'S	4	ir0	51	85	48	7	5	–	–	10	10	4700
	Gorleston	5	06·4	+6	SW'W	3	z0	49	85	44	6	5	–	–	10	10	800
	Mildenhall	15	04·3	-2	S'W	3	z0	48	92	45	6	–	1	–	0	9+	–
	Cranwell	203	02·5	+2	SSW	3	bc	45	85	41	7	–	–	6	0	4-6	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	03·5	-2	SSW	1	c	45	92	43	7	5	7	–	1	9+	1000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	01·1	-14	WSW	5	bc	48	75	41	8	3	–	–	4-6	4-6	1500
	Bristol	209	04·0	-2	SSW	4	bc	44	85	39	8	5	4	8	Tr	4-6	4000
	Portland Bill	32	05·1	-4	SW	4	c	50	92	48	8	5	–	–	9	9	4000
	Plymouth	82	04·3	-6	WSW	2	bc/pr	49	85	43	7	2	6	–	4-6	4-6	2500
	The Lizard	240	04·4	-10	SW'W	5	bc	48	85	43	8	8	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	163	04·8	-10	SW'W	5	z0	48	85	44	8	8	–	–	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	99·6	-10	SW'S	6	bcq	50	85	43	8	2	–	–	4-6	4-6	4000
7	Holyhead (Valley)	32	96·8	-6	SSW	7	c/pr	48	75	41	8	3	6	–	7-8	7-8	1000
	Chester (Sealand)	16	00·4	0	S'E	2	b	42	85	38	7	–	–	–	0	0	–
8	Manchester	235	00·7	-2	SE'E	4	b	43	85	39	7	–	4	–	0	Tr	–
10	Spurn Head	29	02·3	0	SW'S	4	o	47	85	44	7	5	–	–	10	10	2500
	Catterick	175	99·8	+2	S	3	z0	44	85	39	6	5	–	–	1	1	2800
	Tynemouth	108	98·6	0	S	4	b	45	92	43	6	–	–	–	0	0	–
11	St. Abbs Head	280	96·5	+8	SE	3	bc/r	41	92	39	8	4	–	–	4-6	4-6	1500
	Leuchars	36	94·9	+6	SSW	4	bc	45	75	38	8	7	–	5	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	94·5	+6	S'E	2	bc	45	75	37	8	4	3	6	2-3	7-8	2200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	95·8	-4	SSW	4	c	47	85	44	8	8	–	–	7-8	7-8	2000
13A	Tiree	22															
13B	Stornoway	80	88·4	+10	SSE	6	RR	45	92	43	7	5	7	–	7-8	9+	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	94·8	0	S	4	bc	45	85	40	8	5	–	–	2-3	2-3	3500
	Wick	114	92·6	+4	SSE	3	bc	46	85	43	9	5	4	–	Tr	2-3	2500
16	Sumburgh	19	95·4	+10	S	2	c	46	92	44	8	5	–	–	7-8	7-8	1500
17	Blacksod Point	18	86·9	-16	SW	5	c/pr	49	75	41	8	9	–	–	9+	9+	1500
18	Malin Head	84	88·5	-10	S	4	bc	44	85	40	8	2	–	–	4-6	4-6	2500
	Aldergrove	268	92·9	-6	SSW	4	pr	45	75	39	7	5	2	–	7-8	9+	1900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	93·9	-14	SW'W	4	c/pr	47	85	43	9	3	6	3	4-6	9+	2500
	Roches Point	22	96·2	-10	WSW	4	bc	48	85	44	8	3	–	5	2-3	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 26th May — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	04·3	-4	SSW	3	bc	51	85	45	7	8	–	–	4-6	4-6	2500	1	*	58	45	34	3	2	1·0
Croydon	04·6	-6	SSW	3	bc/pr	50	85	46	8	9	4	–	2-3	2-3	1500	1	*	59	47	43	7	7	1·3
S. Farnborough	04·3	-2	SSW	4	bc	49	92	46	9	2	–	5	4-6	4-6	3000	1	*	58	43	32	7	2	0·6
Boscombe Down	03·8	-18	S	4	bc	48	85	45	7	8	–	1	2-3	2-3	2500	1	*	54	42	36	13	Tr	0·0
Thorney Island	05·4	-6	NW	4	c	53	85	48	8	2	–	2	7-8	9	1500	1	*	59	53	42	7	3	*
Lympne	07·5	-2	SW	4	c	48	92	46	8	2	–	–	7-8	7-8	1200	1	§4	58	46	46	0·5	3	5·6
Manston	06·0	0	SW	3	c	50	85	46	8	8	6	–	7-8	9	1800	1	*	61	46	45	0·2	4	7·3
Shoeburyness	06·1	0	NW'W	3	bc	51	85	46	8	1	–	–	4-6	4-6	1200	0	*	62	47	46	0·1	4	3·5
Felixstowe	05·5	+4	SW	4	bc	51	85	46	8	1	–	–	4-6	4-6	2500	1	4	62	46	46	0·1	2	6·1
Gorleston	05·2	0	WSW	3	bc	49	85	46	7	1	4	–	4-6	4-6	2500	0	3	58	47	45	–	2	1·8
Mildenhall	04·0	-2	SSW	4	bc	50	85	45	7	7	–	1	1	2-3	2500	1	*	62	46	38	0·6	3	1·3
Cranwell	02·0	-6	S'W	4	b	48	85	44	7	5	–	–	Tr	Tr	800	0	*	59	40	37	3	0·2	1·1
Birmingham	01·8	-4	S	3	bc	46	85	42	8	5	–	1	1	2-3	1500	1	*	53	40	36	12	1	0·8
Upper Heyford	02·5	-6	S'W	3	bc	48	85	44	7	7	–	–	4-6	4-6	800	1	*	58	42	39	9	1	*
Ross-on-Wye	01·2	-8	SSW	4	bc	49	75	42	8	1	–	–	2-3	2-3	3000	1	*	53	43	38	11	–	1·1
Hartland Point	99·0	-10	SW	4	bc	48	75	40	8	3	6	4	2-3	4-6	2400	1	4	53	45	43	10	1	3·3
Bristol	02·6	-10	S	3	bc	49	75	43	8	3	3	5	Tr	2-3	2500	1	*	54	43	37	16	–	0·3
Portland Bill	04·7	+2	SW	4	c	50	92	48	8	5	7	–	7-8	10	4000	1	4	54	48	*	10	–	*
Plymouth	01·5	-18	SW	5	c	51	85	46	8	5	7	–	4-6	9+	4000	0	4	53	47	44	9	Tr	*
The Lizard	00·8	-16	SW	4	pr	50	75	43	8	8	2	–	9	10	1500	1	4	53	46	*	11	0·5	2·9
Scilly (St. Mary's)	98·2	-26	S	6	r0r0	47	85	43	7	5	2	–	7-8	10	1200	1	5	55	46	*	5	2	3·9
Guernsey																							
Pembroke	97·5	-10	S	5	c/pr	49	85	44	8	8	6	–	4-6	7-8	2000	1	4	52	41	*	10	4	4·7
Holyhead (Valley)	95·4	-2	S'W	6	c	50	85	45	8	3	6	6	2-3	9	2000	1	4	54	46	43	6	Tr	*
Chester (Sealand)	99·0	-6	S'E	4	c/pr	47	75	41	6	5	8	9	2-3	7-8	2000	1	*	54	41	36	6	Tr	4·0
Manchester	99·6	-4	S'E	4	bc	47	85	42	6	1	4	2	2-3	4-6	3500	1	*	53	42	38	13	1	*
Spurn Head	02·2	-2	SSW	4	b	48	85	44	7	–	–	–	0	0	–	1	3	58	44	*	2	1	0·5
Catterick	99·6	-2	SSE	3	z0	45	92	43	6	5	6	–	4-6	7-8	3000	1	*	55	39	32	7	0·4	1·5
Tynemouth	99·1	0	S	4	bc	46	85	42	6	–	4	–	0	2-3	–	1	3	56	43	38	4	–	*
St. Abbs Head	96·4	-4	SE	4	bc	47	75	40	8	4	4	–	2-3	4-6	2000	1	3	53		*	2	0·3	
Leuchars	94·8	-4	S	5	bc	48	75	41	8	8	4	–	2-3	2-3	2000	1	*	53	42	34	4	0·1	3·4
Renfrew (Abbots I.)	93·9	+2	S	3	c	50	75	41	7	5	–	–	9+	9+	1800	1	*	56	42	36	3	1	5·1
Eskdalemuir	95·3	-2	SSE	4	c	44	85	42	7	5	–	–	10	10	900	1	*	49	39	37	19	6	2·6
Point of Ayre	94·6	-4	SW'S	4	c	49	85	45	8	9	4	5	4-6	7-8	1500	1	3	55	42	*	2	2	4·2
Tiree	88·5	+4	SSE	5	c	48	85	45	8	8	–	–	7-8	7-8	1500	0	5	53	43	*	0·5	2	7·1
Stornoway	89·1	+6	ESE	5	c	47	75	40	9	5	7	8	4-6	9	1000	1	3	52	41	*	3	5	5·0
Dalwhinnie	93·0	-2	SSE	4	ir0	41	92	40	7	5	–	–	10	10	1500	1	*	49	36	31	10	3	3·7
Aberdeen †	95·9	+6	S	4	bc	48	85	44	7	8	–	–	4-6	4-6	1700	1	3	51	43	39	5	0·1	1·3
Wick	94·1	+12	SE'S	4	bc	47	75	40	9	8	4	8	1	2-3	4000	1	*	52	42	39	3	–	*
Sumburgh	97·3	+10	SSE	4	bc	48	85	44	7	5	4	8	4-6	7-8	1200	1	4	51	44	41	0·4	6	6·1
Blacksod Point	84·1	-18	S	6	c/pr	48	75	41	8	9	–	–	9+	9+	1500	1	5	52	43	*	2	8	*
Malin Head	87·1	-2	S'W	4	c	46	85	42	8	9	2	–	4-6	9+	1500	1	4	53	42		0·5	1	*
Aldergrove	91·4	-2	S	4	c	47	75	40	8	7	7	6	2-3	9+	2000	1	*	54	41	36	1	0·1	4·6
Birr Castle	91·0	-14	S	3	bc	49	75	42	7	5	–	–	4-6	4-6	2500	1	*	55	43	40	3	1	
Valentia Obsy.	89·3	-26	SSW	5	c	48	75	41	8	3	7	3	2-3	9+	2500	1	5	54	44	40	7	3	
Roches Point	92·2	-22	SW	5	pr	49	85	46	8	3	–	3	4-6	7-8	1500		*	53	*	*	2		*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 25th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 26th May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 57	05655	45627	62	62625	17368	02	01890	12213	57	01863	14414
115 52	02845	45628				54	02964	12325	54	02954	12325
203			15	01853	16324	5-	02846	08426	5-	02846	12426
206 57	02956	20468	8-	01964	18224	8-	81846	20386	83	02868	16317
210 57	61856	47428	86	22964	22165	26	01953	09314	46	02763	12315
220			73	01958	17014						
230 9-	81956	18366	07	81954	12425	34	01943	12383	57	81845	13386
245 62	64764	51368	96	95645	18497	86	01864	17414	26	00963	16883
260 5-	22868	18468	20	01864	20514	86	01863	15414	84	01853	15514
278 07	25944	14325	86	01943	18385	53	02863	18316	84	02843	14317
279 52	62844	51568	36	01953	51683	9-	20745	18485	86	02854	49415
285									27	02746	20516
288 62	64644	49668	52	02742	16427	80	05690	16300	44	05673	17304
575 3-	25856	23287	36	25854	52484	9-	81837	16387	37	81846	18388
301 62	64744	20468	3-	10854	21564	00	00870	16510	57	25661	49587
321 52	62747	50768	52	05641	17468	53	01750	18283	53	05643	18313
299 5-	14758	18628	3-	62648	22368	5-	02754	22324	50	01793	20313
292 52	64646	50568	57	05654	18268	00	05590	15110	54	05562	15303
310									--	02628	20318
614 5-	61745	51668	52	05634	17318	07	05690	18215	14	05652	18302

IIIC_L C_M (13h. G.M.T. 25th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 26th May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 51	22844	18467	26	01852	62513	9-	89346	20416	24	01844	17484
334									--	01672	20203
340 62	62736	24268	80	27845	18466	03	06990	15301			
136 13	05654	16626	52	62655	87468	09	02790	19467	50	0744	18324
336 62	64636	20568	50	27736	24586				62	64526	20468
350 62	61746	40728	62	62744	18468	57	62731	17366			
368 5-	62648	24468	20	01843	22484	04	00762	21313	34	01852	20314
379 62	64737	51768	52	02955	53468	53	01723	20364	50	00733	16413
390 20	02755	51627	62	64526	16528	5-	05549	16367	20	05644	20214
389 52	62645	50858	52	22955	18868	00	01890	19214	17	00842	19303
438 01	14768	20628	52	62746	20668	5-	22755	22565			
430 52	62757	51568	02	62666	22368	82	02747	55568	20	02754	53483
409 52	63731	20568	17	01842	22524	30	05748	16383	31	62751	16587

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th May
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	ccir0	b0bqrm0	crr0m0	Kew 24 hours ended 7h. Max. Time <0.1
Croydon	c	crrm0	cbbc	
Greenwich	c	c ⊕ crr	rrcbbc	
Camden Square	cr	cr	*	
Kensington	cp	cpr	*	Min. Time whole period
Hampstead	or	orbc	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	58	45	34	3	2	1·0	*	*
Croydon	59	47	43	7	7	1·3	*	*
Greenwich	61	45	38	2	5	1·9	77	65
Westminster	60	48	45	·5			99	75
Regents Park	61	47	43	2	2		76	60
Camden Square	61	47	42	2	2	*	*	63
Kensington	61	46	42	0·5	4		89	66
Hampstead	58	44	42	3	2		*	71

BRITISH SECTION

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

SECRET

Wednesday 27th May 1942

No. 29406

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

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)	98.6	-38	SE'S	4	rr	50	85	44	6	6	2	-	9	10	2500
	Croydon ...	99.8	-34	SSE	3	r.r.	49	85	45	7	6	2	-	7-8	10	1000
	S. Farnborough	97.9	-46	SE	5	r.r.	48	85	45	6	6	2	-	7-8	10	800
	Boscombe Down	95.7	-58	ESE	5	RR	47	86	43	6	6	2	-	9	10	600
	Thorney Island	97.7	-66	SE	6	RR	51	97	50	6	6	-	-	10	10	100
	Lympne ...	03.6	-28	SSE	4	r.r.	51	92	49	7	5	1	-	4-6	10	1500
	Manston ...	03.1	-22	S'W	4	ir.	53	75	46	8	6	2	-	2-3	10	1800
2	Shoeburyness ...	02.8	-24	S'E	6	ir.	55	75	45	8	1	2	-	4-6	10	1200
	Felixstowe ...	02.9	-16	S'E	5	c	56	65	45	8	1	2	-	1	10	2500
	Gorleston ...	02.6	-20	SSW	6	c	54	75	46	7	5	-	5	4-6	7-8	2500
	Mildenhall ...	99.8	-32	S	5	c	58	55	40	8	7	1	-	4-6	10	2000
	Cranwell ...	98.8	-18	SSW	5	c/pr	51	75	44	8	8	1	-	4-6	10	2000
3	Birmingham ...	97.5	-22	S	2	ir	47	92	45	6	6	2	-	9	10	800
	Upper Heyford	98.1	-28	S	4	r.r.	48	85	43	6	5	2	-	7-8	10	1500
4	Ross-on-Wye	95.9	-34	SSW	2	rr	47	92	45	6	6	2	-	4-6	10	1500
5	Hartland Point	94.5	-30	SW	3	c/r	48	85	44	7	8	4	-	7-8	10	2000
	Bristol ...	96.0	-52	SE	3	rr	46	92	44	6	6	2	-	7-8	10	1200
	Portland Bill ...	93.4	-80	S	4	RR	52	92	50	7	5	-	-	10	10	2500
	Plymouth ...	99.4	-36	N	1	c/r	49	97	49	6	5	7	-	Tr	9+	1000
	The Lizard ...	94.9	-26	SW	4	c	50	85	48	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	94.6	-6	SW'W	5	bc	55	88	49	8	8	6	-	2-3	2-3	1200
	Guernsey ...															
6	Pembroke ...	93.3	-10	S	5	cq	51	85	46	8	8	6	-	4-6	9	2000
7	Holyhead (Valley)	92.1	-20	S	6	c/pr	53	85	47	8	3	6	-	4-6	7-8	2000
	Chester (Sealand)	95.1	-30	S'E	3	c	55	55	38	8	9	2	8	4-6	10	2000
8	Manchester ...	95.7	-22	S'E	5	c/pr	53	65	42	7	2	7	-	4-6	10	1500
10	Spurn Head ...	98.0	-28	S	5	c	57	55	41	7	2	6	1	7-8	9	4000
	Catterick ...	96.2	-18	SSW	4	c	50	75	42	7	8	-	-	9	9+	3000
	Tynemouth ...	96.9	-8	S	6	bcq	54	75	46	6	8	-	-	4-6	4-6	2200
11	St. Abbs Head	95.3	-2	SE	5	c	49	85	45	7	5	-	-	9+	9+	2000
	Leuchars ...	93.9	-6	S	5	c/pr	51	75	43	8	8	7	-	9	10	4000
12	Renfrew (Abbots I.)	92.7	-4	S	4	c/pr	51	65	40	8	8	7	1	4-6	7-8	2500
	Eskdalemuir ...	93.1	-12	SSW	5	phr	52	75	42	8	5	-	-	9+	9+	1400
	Point of Ayre ...	92.0	-14	SSW	5	bc	55	75	46	8	9	4	9	2-3	4-6	2500
13A	Tiree	88.6	-10	SE	4	bc	54	75	46	8	1	-	2	1	4-6	2500
13B	Stornoway ...	90.0	+10	ESE	5	c	52	85	48	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	92.6	+4	SSE	4	c	49	75	40	7	5	-	6	7-8	9	2500
	Aberdeen ...	95.4	-8	SSE	4	z.	52	75	44	6	8	-	-	2-3	2-3	2500
	Wick ...	94.7	0	SSE	4	bc	52	85	46	8	2	4	3	2-3	2-3	3000
16	Sumburgh ...	97.2	-10	SSE	4	c	50	92	49	7	8	-	8	4-6	7-8	800
17	Blacksod Point	82.1	-6	W'N	5	PR	45	85	41	8	9	-	-	9+	9+	1500
18	Malin Head ...	84.8	-14	S	6	c	54	55	49	8	2	2	2	4-6	9+	2500
	Aldergrove ...	88.7	-14	S'E	5	c/pr	53	65	41	9	3	-	3	4-6	7-8	1900
19	Birr Castle ...	87.0	-2	S	3	c	49	85	45	7	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	85.6	-18	SW'S	5	c/r	49	85	45	8	6	7	-	4-6	10	2500
	Roches Point	88.8	-14	SSW	6	c/pr	52	85	48	8	3	4	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 26th May

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	24.8	-20	WSW	4	c	52	75	43	8	8	-	3	7-8	7-8	2500	1	*
	Croydon ...	93.8	+20	WSW	4	c	58	65	45	7	2	-	6	7-8	9+	2000	1	*
	S. Farnborough	95.0	+38	WSW	4	c	50	75	44	8	5	-	-	9+	9+	800	1	*
	Boscombe Down	95.3	+42	WSW	3	bc	52	75	45	9	8	-	5	2-3	2-3	1400	1	*
	Thorney Island	95.9	+30	W	4	c	55	75	48	9	2	-	8	7-8	9	2500	1	*
	Lympne ...	97.1	-16	S	5	c/r	53	85	49	8	1	3	3	2-3	9	900	1	§5
	Manston ...	94.6	-14	SW'S	7	id.	54	97	53	7	6	7	-	9+	9+	200	1	*
2	Shoeburyness ...	94.6	-32	SW'S	8	bc	56	75	48	8	7	-	6	1	4-6	1400	1	*
	Felixstowe ...	93.0	-50	SSW	7	c/d	56	92	53	8	8	-	6	7-8	9+	1000	1	6
	Gorleston ...	91.1	-82	S	7	rr	52	97	51	6	6	-	-	10	10	800	1	5
	Mildenhall ...	89.5	-72	SW'W	7	c/r	56	85	52	8	9	-	1	7-8	9	800	1	*
	Cranwell ...	91.0	-34	N'W	2	c/r	44	97	43	7	5	3	-	7-8	7-8	2500	1	*
3	Birmingham ...	93.5	-12	WSW	3	c	46	85	42	8	5	-	-	9+	9+	1500	1	*
	Upper Heyford	93.3	+30	WSW	4	c	48	85	42	8	5	-	-	7-8	7-8	2000	1	*
4	Ross-on-Wye	93.6	-4	SSW	2	c	50	85	45	8	8	-	-	9+	9+	3000	1	*
5	Hartland Point	93.5	+2	WSW	5	bc	52	75	45	8	2	4	-	1	2-3	2000	1	4
	Bristol ...	95.3	+18	SW'W	3	c	52	75	45	8	5	-	-	9+	9+	2500	1	*
	Portland Bill ...	96.7	+12	SW	5	c	51	92	49	8	2	4	-	4-6	7-8	4000	1	5
	Plymouth ...	97.4	+14	SW	4	bc	53	85	46	8	2	-	1	4-6	4-6	2500	1	3
	The Lizard ...	95.9	+8	SW	5	bc	53	85	49	8	8	6	-	4-6	4-6	2500	0	5
	Scilly (St. Mary's)	95.2	+4	SW'W	6	bc	54	75	46	8	8	4	3	2-3	4-6	1200	1	5
	Guernsey ...																	
6	Pembroke ...	91.8	-8	SW'S	6	bcq	51	85	48	8	8	6	-	4-6	4-6	2500	1	4
7	Holyhead (Valley)	88.9	-12	S'E	7	c	50	65	36	8	8	2	-	7-8	10	3000	1	5
	Chester (Sealand)	92.3	-18	SE	3	c	50	75	42	8	8	1	-	4-6	9+	3000	1	*
8	Manchester ...	92.0	-20	S'E	3	c	48	75	42	6	2	6	-	7-8	7-8	2500	1	*
10	Spurn Head ...	91.0	-54	NNE	4	RR	45	85	43	6	-	2	-	10	10	800	1	4
	Catterick ...	92.5	-28	SE	3	r.r.	47	92	46	6	5	2	-	4-6	10	2300	1	*
	Tynemouth ...	93.1	-12	SSW	4	c/pr	50	85	43	6	5	-	-	9+	9+	1800	1	3
11	St. Abbs Head	92.4	-8	SE	2	RR	45	92	43	6	5	2	-	7-8	10	1500	1	4
	Leuchars ...	91.2	-12	SE	3	PR	48	85	44	6	9	-	-	9+	9+	1500	2	*
12	Renfrew (Abbots I.)	88.9	-22	SSE	3	c/pr	54	45	34	8	3	6	3	4-6	7-8	2500	1	*
	Eskdalemuir ...	90.5	-18	S	5	ir	45	85	42	6	6	-	-	10	10	1200	1	*
	Point of Ayre ...	89.0	-16	S'E	4	c	50	92	48	8	9	7	9	4-6	9+	2000	0	3
13A	Tiree	84.9	-20	SE'E	5	bc	50	75	43	8	5	3	-	4-6	4-6	2800	0	5
13B	Stornoway ...	88.1	-10	NNE	4	c/pr	50	85	46	8	5	7	-	4-6	9+	2500	1	2
15	Dalwhinnie ...	89.0	-18	SSE	3	pr	44	85	39	8	5	-	-	9+	9+	2500	1	*
	Aberdeen ...	93.1	-16	SSE	3	c/pr	47	92	45	6	7	7	-	4-6	9	2500	1	3
	Wick ...	93.4	-10	SE'E	5	z.	49	85	45	6	-	8	6	0	2-3	-	0	*
16	Sumburgh ...	97.7	-14	SE'E	3	z.	48	85	44	6	5	-	-	10	10	800	0	4
17	Blacksod Point	78.4	-10	S'W	4	c/pr	48	85	44	8	9	-	6	7-8	9	1500	1	3
18	Malin Head ...	81.6	-18	S'W	5	PHR	43	92	41	7	3	2	-	4-6	10	1500	1	4
	Aldergrove ...	84.1	-30	SSE	4	c/pr	47	85	43	7	9	-	-	9+	9+	2500	1	*
19	Birr Castle ...	83.8	-14	SW	3	c	48	85	44	7	3	7	-	2-3	9	1500	1	*
20	Valentia Obsy.	86.3	+10	WSW	6	bc/pr	52	75	46	8	3	3	-	2-3	4-6	2500	1	6
	Roches Point	86.9	-8	SSW	5	bc	52	85	48	8	3	4	3	2-3	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 26th. (39)	13h.—18h. 26th. (40)	18h. 26th to 1h. 27th (41)	1h.—7h. 27th. (42)
1	London (Kew)	c.r.r.m.	rir.m.c	ccw	cbcw
	Croydon ...	c.r.r.m.	c	c⊕	cpr.c
	S. Farnborough	bcvc.r.r.m.	cm.rr.r.c	cbcvc	cbcw
	Boscombe Down	c.r.r.rrm.	crrbc	bc	
	Thorney Island	ccRm.	cRRm.c	cbcc	
	Lympne ...	cc.r.r.	cmorrc	c	cr.oddm
	Manston ...	cvbccir.	r.r.cid.	cid.bc	cr.r.m.
2	Shoeburyness ...	bcir.c	rrcbc	bc	bcc
	Felixstowe ...	cm.	cor.r.c	c,b,c	cbcc
	Gorleston ...	c	orr	bcm.	bcc
	Mildenhall ...	cy	cyerrc	bcc	bc
	Cranwell ...	b,cpr.c	crrm.c	bbcm.	bcbcmcir.
3	Birmingham ...	cr.	orrc		
	Upper Heyford	bccpr.	rrm.bcb	bcbcm.	ir.bcc
4	Ross-on-Wye	bccrr	rrc	cp.c	c
5	Hartland Point	bccrphc	cbcv	bcp.c.q	c
	Bristol ...	b,cpr.	crrmbc	c,c	cb,c
	Portland Bill ...	gR	c	c	cbc
	Plymouth ...	cRRc	cbc	bcm.cbc	bbc
	The Lizard ...	orrc	bc	cbcw	bcc
	Scilly (St. Mary's)	cr.r.c	bc	cbc	bcc
	Guernsey ...				
6	Pembroke ...	cq	cbcq	cqrr	ircq
7	Holyhead (Valley)	bccpRq	cPRqc	cbc	bm.b
	Chester (Sealand)	cpr.	cypr.c	cir.	cir.bc
8	Manchester ...	cprcm.	r.	pr.ir.	pr.bc
10	Spurn Head ...	c	om.rr	bcc	cq
	Catterick ...	cm.c	cp	cprrrm	crmbcb
	Tynemouth ...	ccq	cp.	cp.coir.	oir.c
11	St. Abbs Head	bccm.	tlrcm	cprorr	crr
	Leuchars ...	bccpr.c	tlr.prm.	cm.pr.m.	crr pr.
12	Renfrew (Abbots I.)	pr.prc	cpr.bc	PRRRm.	cm.pr.ir.c
	Eskdalemuir ...	cphrprphr	phrcir	cpr	cPRcpr
	Point of Ayre ...	PRcbc	bcc	RRcbc	RR bcb
13A	Tiree	bc	bc	cir	cir
13B	Stornoway ...	c.r.r	cpr	c	cpr
15	Dalwhinnie ...	opr.c	cpr	*	coirc
	Aberdeen ...	bcb	bcpr.m.	cpr.m.	crrm.
	Wick ...	cbc	bcbcm.	c	cr.r.Rc
16	Sumburgh ...	bc	cbcc	cm.c	cir.
17	Blacksod Point	r	pr	pr	pr
18	Malin Head ...	pr	pr	pr	pr
	Aldergrove ...	cbcpr.c	cphRpr.c	bcc	cpr.pr.
19	Birr Castle ...	pr	pr	*	pr
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	pr	pr	pr	pr

16+47

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 27th May. 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England	Winds backing toward South and freshening; then veering Southwest later; becoming dull and rainy; fair periods spreading in during the night, continuing rather cool.
6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Winds generally from between South and West, mainly moderate, but fresh and rather squally locally; variable sky; fair periods; some thunderstorms and thundery showers in many places chiefly in afternoon and evening. rather cool.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 6-15.

GENERAL INFERENCE

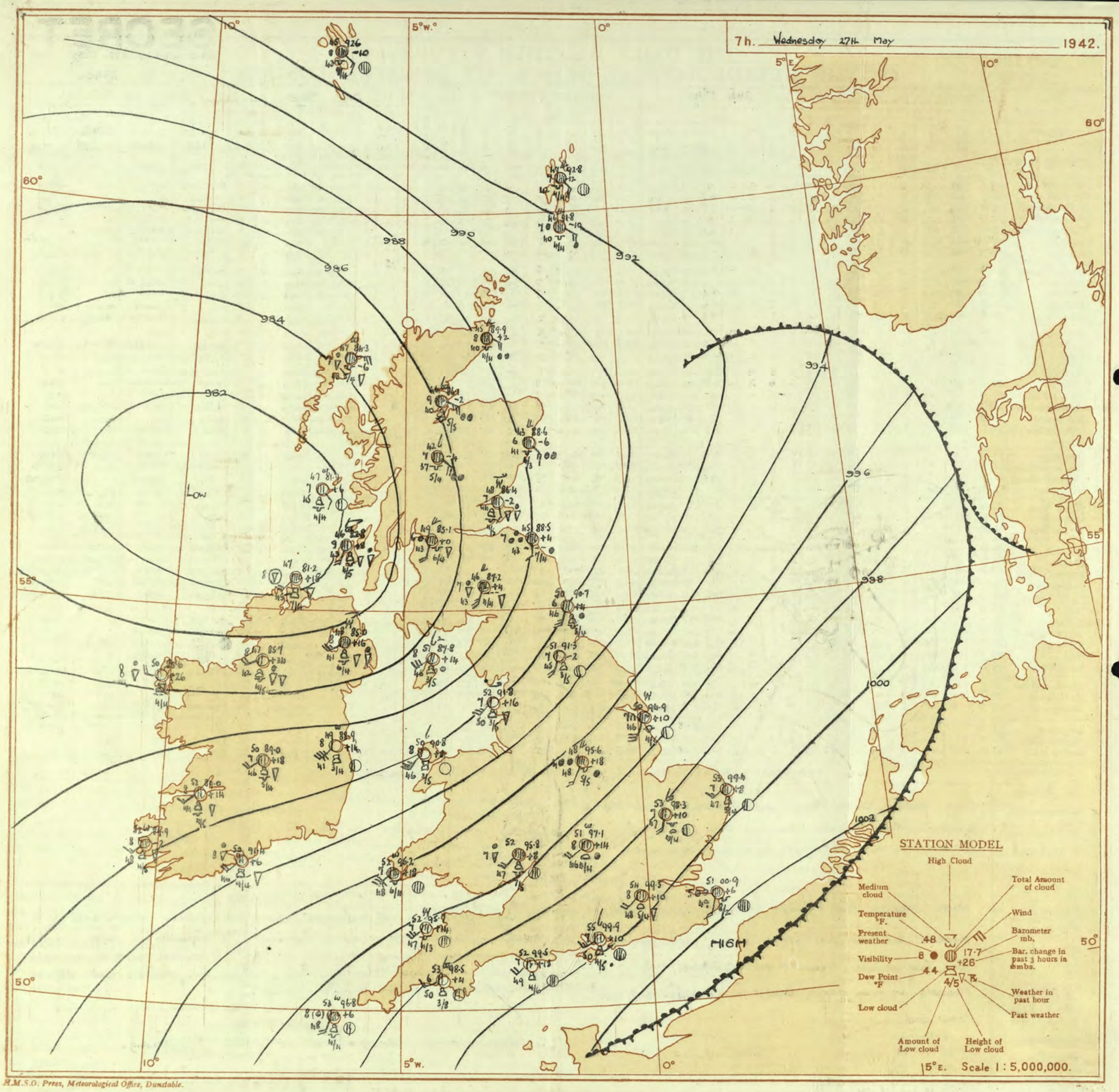
A deep depression off northwest Ireland is drifting slowly east and filling up, whilst a rather active secondary is expected to move in and cross southern England. A period of rain will spread across southern and eastern England. Elsewhere there will be fair periods but with some thunderstorms and thundery showers.

FURTHER OUTLOOK

Cool, unsettled, showery, type of weather continuing.

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).

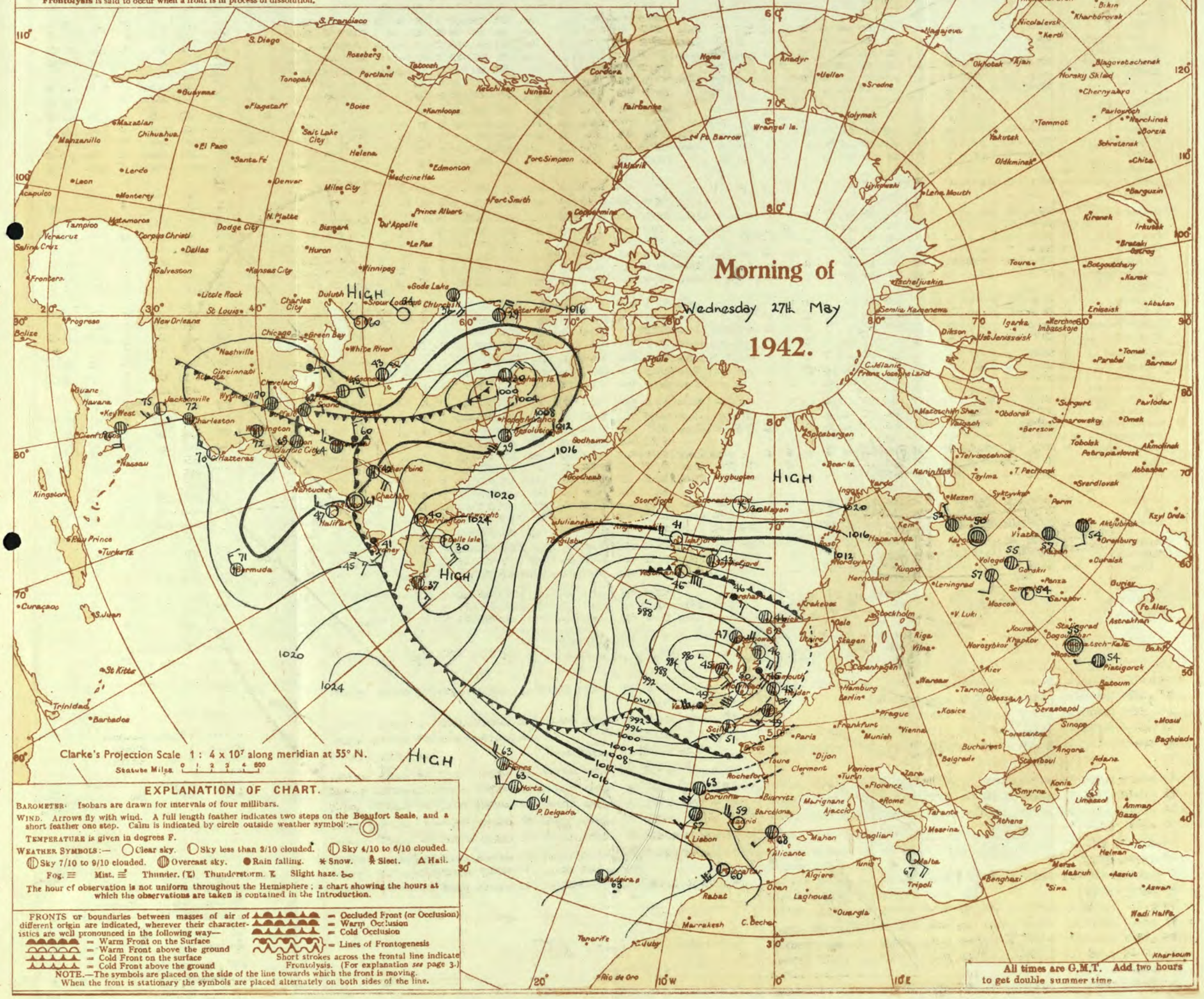
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. (Tk) 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 27th May 1942
No. 29406

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

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	98·5	+6	SW	3	c	49	85	45	8	5	4	6	2-3	9	2000
	S. Farnborough	226	98·0	+2	SW'S	5	c	50	85	46	8	5	-	-	9	9	2000
	Boscombe Down	417	97·7	+2	SSW	4	c	49	92	46	7	5	3	5	4-6	7-8	1600
	Thorney Island	10	99·2	0	SW'S	5	c	52	85	48	7	-	3	6	0	9+	-
	Lympne	283	01·3	+10	SW	5	c	49	97	48	8	5	-	6	4-6	9+	1200
	Manston	154	99·8	+6	SW'S	3	c	48	85	44	8	-	7	7	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	98·3	+6	SW	4	c	51	85	47	7	-	7	-	0	7-8	-
	Gorleston	5	97·8	+10	SW'W	4	z₀	48	85	44	6	5	-	-	4-6	4-6	1500
	Mildenhall	15	97·0	+4	S'E	3	c	49	85	45	8	5	3	-	Tr	9	4000
	Cranwell	203	94·6	+2	SE	3	c	41	97	39	5	-	-	6	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	96·1	+2	SSW	3	c	46	92	44	7	-	7	6	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	93·4	0	WSW	5	c	52	85	47	7	5	1	-	4-6	10	2500
	Bristol	209	96·5	+2	SSW	4	c	50	85	45	8	-	6	6	0	7-8	-
	Portland Bill	32	98·0	-4	SW	4	c	50	92	48	7	5	-	-	9	9	2500
	Plymouth	82	97·6	0	WSW	5	bc	52	92	50	7	5	-	6	Tr	4-6	2500
	The Lizard	240	97·0	+4	SW	5	bc	51	92	49	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	95·9	+2	SW	5	bc	51	85	47	8	8	-	4	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	91·8	+4	SW'W	7	rr	49	92	47	7	8	2	-	9+	10	2500
7	Holyhead (Valley)	32	88·3	+8	SSW	7	b	50	85	48	7	2	3	-	Tr	1	1500
	Chester (Sealand)	16	90·8	0	SW	3	ir₀	49	75	42	7	5	-	6	4-6	4-6	2000
8	Manchester	235	91·1	-6	S'W	4	ir₀	47	97	46	6	9	-	-	10	10	2400
10	Spurn Head	29	93·8	+4	S'E	4	c	45	85	43	7	7	3	-	4-6	7-8	2500
	Catterick	175	91·0	-10	SE	2	rr	43	97	43	4	5	-	-	10	10	900
	Tynemouth	108	91·1	-10	SSE	5	ir₀	45	97	44	6	-	2	-	10	10	1500
11	St. Abbs Head	280	88·7	-20	SSE	5	rr	43	97	43	6	6	-	-	10	10	1500
	Leuchars	36	87·9	-14	ESE	4	pr	46	92	44	6	8	2	-	9	10	2000
12	Renfrew (Abbots I.)	19	85·5	-18	ESE	2	c/r	46	92	44	6	8	1	6	7-8	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	86·1	0	SW'W	5	bc	47	92	45	8	8	6	8	1	4-6	2000
13A	Tiree	22	81·3	-20	ESE	4	ir	45	97	44	7	-	2	-	9+	9+	1200
13B	Stornoway	80	85·3	-16	E	5	c	47	92	45	7	5	7	-	4-6	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	90·0	-12	SSE	4	c/pr	46	92	44	6	5	3	-	2-3	9+	800
	Wick	114	91·0	-8	E'S	4	z₀	46	92	44	6	5	-	-	7-8	7-8	600
16	Sumburgh	19	94·7	-14	ESE	4	c	46	85	41	7	5	-	-	7-8	7-8	1200
17	Blacksod Point	18	80·5	+8	W	6	c	48	85	44	8	9	-	-	9+	9+	1500
18	Malin Head	84	79·1	+2	S'E	4	pr	45	92	43	9	3	2	-	4-6	10	2500
	Aldergrove	268	83·0	+6	SSW	5	c	45	85	39	8	8	-	-	7-8	7-8	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	89·6	+10	WSW	5	PR	49	75	41	8	3	-	-	7-8	7-8	2500
	Roches Point	22	90·1	+10	SW	5	bc	48	92	46	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 27th May

Stations	Barom. at M.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)	99·3	+14	SW'S	4	bc	53	75	47	8	8	3	3	4-6	4-6	2500	1	*
Croydon	99·3	+10	SW'S	4	bc	54	85	48	8	5	-	-	7-8	7-8	1800	1	*
S. Farnborough	99·2	+18	SW	5	bc	52	85	46	9	1	-	-	4-6	4-6	1600	1	*
Boscombe Down	99·0	+12	SW'W	4	bc	51	92	49	7	8	-	-	4-6	4-6	2000	1	*
Thorney Island	99·9	+10	SW'W	3	bc	55	85	50	7	2	4	-	4-6	7-8	2500	1	*
Lympne	01·8	+6	SW	4	dd	51	97	51	4	5	-	-	10	10	100	1	§5
Manston	00·9	+6	SSW	3	r₀r₀	51	92	49	5	5	-	-	10	10	400	1	*
Shoeburyness	00·1	+8	S'W	3	c	54	85	49	8	5	-	-	9+	9+	2300	0	*
Felixstowe	00·1	+10	SSW	5	c	54	85	50	8	8	7	-	4-6	9	2500	0	3
Gorleston	99·4	+8	SW	3	c	53	85	47	7	2	-	-	7-8	7-8	1800	1	3
Mildenhall	98·3	+10	S'W	4	bc	53	85	47	7	7	7	-	4-6	4-6	1500	1	*
Cranwell	99·5	+6	S'W	4	c/r	50	85	46	7	5	-	-	9	9	3400	1	*
Birmingham																	*
Upper Heyford	97·1	+14	SW'S	4	bc	51	85	46	8	1	3	-	4-6	7-8	1500	1	*
Ross-on-Wye	95·8	+8	SW'S	4	pr	52	85	47	7	8	-	-	9+	9+	3000	1	*
Hartland Point	95·7	+14	SW	5	c	52	85	47	7	5	6	-	4-6	7-8	800	1	5
Bristol	98·1	+14	SW'S	4	c	52	75	45	8	5	3	-	4-6	7-8	3000	1	*
Portland Bill	99·5	+18	SW	4	bc	52	92	49	7	2	-	-	4-6	4-6	4000	1	5
Plymouth	98·5	+4	WSW	3	bc	53	92	50	6	2	7	-	2-3	4-6	2500	1	3
The Lizard	98·9	+14	SW	4	c	52	92	50	8	8	2	-	7-8	9+	2000	0	4
Scilly (St. Mary's)	96·8	+6	SSW	4	cjp	53	85	48	8	8	3	-	4-6	9	1000	1	4
Guernsey																	
Pembroke	94·1	+12	SW	7	cq	51	92	49	7	8	3	-	4-6	7-8	2000	1	5
Holyhead (Valley)	90·8	+8	SW'S	5	bc	51	85	46	8	3	4	-	1	2-3	2000	1	4
Chester (Sealand)	92·5	+2	SSW	3	bc	54	65	43	8	2	-	-	2-3	2-3	2500	1	*
Manchester	92·8	+14	S'W	4	b	51	85	46	8	2	-	-	1	1	2500	1	*
Spurn Head	94·9	+10	SSW	6	cq	50	85	46	7	4	6	-	4-6	9	2500	1	4
Catterick	91·3	-2	SSW	4	bc	51	85	45	7	2	-	-	2-3	2-3	2500	1	*
Tynemouth	90·7	+4	SSW	5	c	50	85	46	6	8	-	-	7-8	7-8	1200	1	3
St. Abbs Head	88·5	+4	S	2	rr	45	92	43	7	6	-	-	9+	9+	2000	1	2
Leuchars	86·4	-2	SSE	2	c/pr	48	85	44	7	8	6	2	4-6	7-8	2000	1	*
Renfrew (Abbots I.)	85·1	0	SSW	4	ir₀	49	75	43	6	5	2	-	9	10	1200	1	*
Eskdalemuir	87·2	+4	SSW	5	pr	46	92	43	7	6	2	-	4-6	9+	1100	1	*
Point of Ayre	87·8	+14	WSW	6	bc	51	85	46	8	2	4	5	2-3	4-6	2000	1	5
Tiree	81·9	+6	SE'S	2	c	47	92	45	7	8	3	-	4-6	7-8	1600	1	4
Stornoway	84·3	-6	E	5	pr	47	85	43	7	5	7	-	7-8	9+	2000	1	3
Dalwhinnie	84·1	-4	SE	4	c/r	42	85	37	7	5	4	-	7-8	7-8	1500	1	*
Aberdeen †	87·7	-10	SE'S	4	ir₀	43	97	42	6	6	2	-	7-8	9+	900	1	3
Wick	89·9	+2	ESE	4	c/r	45	85	40	8	5	2	-	4-6	10	1400	1	*
Sumburgh	91·8	-10	ESE	4	ir₀	46	85	40	7	5	2	-	4-6	10	1200	0	3
Blacksod Point	85·6	+26	W	4	pr	50	85	46	8	9	-	-	4-6	4-6	1500	1	3
Malin Head	81·2	+18	SW'S	4	pr	47	92	45	8	3	-	-	9+	9+	1500	2	3
Aldergrove	85·0	+16	SW'W	5	c/pr	48	75	41	8	8	6	3	9	9+	1900	1	*
Birr Castle	89·0	+18	SW	4	c	50	85	46	7	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	89·9	-2	SW	3	c	52	85	48	8	2	3	-	4-6	9	2500	1	3
Roches Point	91·4	+6	SW	4	pr	50	85	46	8	3	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 26th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 27th May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 10	00751	44512	10	01752	43603	5-	03738	10428	6-	02857	12487
115 87	02944	12426	52	02944	43427	51	09635	08428			
203 6-	61838	12428	8-	02835	12485	5-	02848	08328			
206 86	27865	49586	87	02865	14488	57	02855	45428	87	22955	10566
210 8-	25957	10287	96	10654	10587	46	02865	10526	57	22854	43467
220			74	01954	14514						
230 8-	02864	13385	84	02955	06285	57	22745	08367	9-	81846	10186
245 86	05664	47415	87	25665	12388	02	62758	11468	9-	62757	15467
260 26	01854	19584	30	25854	15315	2-	05556	08186	84	63854	16285
278 36	02853	47526	8-	25857	46587	96	02856	61487			
279 30	02855	51585	87	22854	13387	52	02755	18385	37	01754	51615
285 27	81746	18587							30	25745	20685
288 2-	05646	51587	52	72751	16288	5-	25668	00088	10	00742	52512
575 87	25857	47588				9-	81747	19387	80	25854	22448
301 36	81855	20587	26	01853	16405	87	81755	16588	20	01753	19583
321 97	25744	15488	53	62643	04165	50	05664	16314	87	05654	16365
299 84	01753	20214	8-	64457	20467	00	00790	24100	54	02754	20315
292 21	05654	16428	62	62644	15298	23	81654	14327	00	05651	13200
310 --	28628	20598							--	01624	20414
614 32	88655	18488	67	22645	24167	45	05573	18314	52	62455	18368

IIIC_L C_M (13h. G.M.T. 26th May)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 27th May)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
333 2-	02947	13587	87	25844	49487	20	01854	20525	27	01743	19414
334 --	25646	24317									
340 87	81845	15588	8-	02847	14467	02	66548	20668	16	01953	21363
136 26	02854	16518				60	05690	19526	14	01744	18514
336 62	64626	20468	57	02755	20427				20	01754	24414
350 82	81647	16488	86	01745	24384	57	02741	18517	14	01853	18423
368 62	64635	14368	36	10952	20462	53	02754	22427	50	02766	20426
379 6-	64748	16588	5-	02846	22466	53	02743	18527	5-	02837	20527
390 62	61655	17468	8-	05645	53466	57	05643	18426	8-	05646	18426
382 62	64634	46468	2-	01854	23414	03	02890	51327	1-	01845	20405
438 52	62755	18568	87	14744	22765	57	02763	22615	5-	02545	21585
430			40	02954	55566	5-	02767	55527	23	01754	22414
409 53	51846	20368	20	00843	55503	53	05643	18514	50	01744	18414

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th May
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	cr₀rm₀	rrir₀m₀c	dcwbcw
Croydon	cr₀r₀m₀	c	c⊗cpr₀c
Greenwich	becy	crrbc	bcωc
Camden Square	bc	c	*
Kensington	bcor	bcpbc	*
Hampstead	bc	or	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·1, Time 18-19h 26th. Min. <0·1, Time rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	57	49	43	7	-	7·2	*	*
Croydon	56	48	44	11	Tr	7·8	*	*
Greenwich	58	48	41	6	-	7·0	92	62
Westminster	62	50	46	6			97	83
Regents Park	59	49	45	1	5		72	59
Camden Square	59	49	43	6	-	*	*	63
Kensington	58	49	44	6	-		81	65
Hampstead	56	46	43	6	-		*	75

Page 1 BRITISH SECTION

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

SECRET

Thursday 28th May 1942

No. 29407

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

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)	00·2	+4	SW'S	5	c	59	65	46	8	8	3	-	9	9+	2500
	Croydon	99·7	+6	SW	4	c	58	65	46	8	9	1	-	7-8	7-8	2500
	S. Farnborough	00·6	+2	SW'S	6	c	60	55	46	9	7	5	-	4-6	7-8	2000
	Boscombe Down	00·1	+2	SW'S	5	c	58	65	46	8	8	3	-	7-8	9	3000
	Thorney Island	02·0	+4	SSW	4	c	57	85	52	8	8	-	-	10	10	7200
	Lympne	04·1	+10	S	4	c	59	75	52	8	1	6	-	4-6	10	2200
	Manston	02·5	+10	SW'W	5	bc	61	65	50	8	2	6	-	4-6	4-6	1800
2	Shoeburyness	02·2	+4	SW	3	c	63	55	47	8	7	-	-	7-8	7-8	3200
	Felixstowe	01·1	+4	SSW	3	bc	64	65	51	8	8	-	-	4-6	4-6	2500
	Gorleston	00·7	+10	SW'S	4	c	54	85	50	7	8	-	-	7-8	7-8	1200
	Mildenhall	99·3	+2	SSW	4	c	62	55	54	8	7	-	-	7-8	7-8	2400
	Cranwell	97·1	+4	SW'S	6	c	60	55	46	8	2	-	-	7-8	7-8	2500
3	Birmingham	97·3	+4	S	4	c	57	65		8	8	-	-	7-8	7-8	2500
	Upper Heyford	98·2	+2	SSW	4	c	59	55	42	8	7	3	-	7-8	9	2500
4	Ross-on-Wye	96·9	-6	S	4	c	59	65	45	8	8	4	-	9	9+	3500
5	Hartland Point	94·9	-18	SW	4	ir	58	75	49	7	6	1	-	7-8	9+	1700
	Bristol	99·0	0	SSW	5	c	57	75	48	8	5	2	-	9	10	2500
	Portland Bill	00·1	+2	S	4	c	52	85	48	8	5	-	-	10	10	4000
	Plymouth	98·0	-10	S	3	dd	53	97	53	4	5	-	-	10	10	300
	The Lizard	96·9	-14	SSW	5	c/r	54	92	52	6	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	94·0	-22	SSW	5	c	56	92	53	6	5	2	-	7-8	10	1800
	Guernsey															
6	Pembroke	94·6	-8	S'E	5	cq	52	92	50	7	5	2	-	7-8	9+	2500
7	Holyhead (Valley)	92·3	+4	SSW	6	c	55	85	47	7	3	3	5	2-3	9	2000
	Chester (Sealand)	94·6	+8	SW	4	c/pr	58	65	48	8	8	3	-	9	9	3000
8	Manchester	95·0	+8	SSW	5	c/pr	58	75	48	8	2	6	-	7-8	9	2500
10	Spurn Head	96·3	+6	SSW	6	cq	59	65	46	7	2	6	1	4-6	7-8	2500
	Catterick	93·8	+10	SW	5	c	59	55	43	7	2	-	-	7-8	7-8	2500
	Tynemouth	92·9	+8	SW	6	bcq	61	55	45	8	2	-	-	4-6	4-6	2200
11	St. Abbs Head	88·9	+6	SSW	5	bc	56	65	42	7	5	-	-	4-6	4-6	2500
	Leuchars	87·0	0	SW	5	c/pr	55	75	47	8	9	-	-	9+	9+	2000
12	Renfrew (Abbots I.)	88·4	+2	SW	4	c/pr	56	65	42	7	8	7	-	7-8	7-8	1600
	Eskdalemuir	90·1	+16	SSW	7	c/pr	51	75	43	8	8	·	-	9	9	1500
	Point of Ayre	90·8	+12	SW'W	6	bc	63	65	49	8	1	4	-	2-3	4-6	2000
13A	Tiree	84·0	+10	WNW	2	bc	53	85	47	8	2	-	-	4-6	4-6	2500
13B	Stornoway	85·0	+4	ENE	4	bc	53	85	48	8	2	4	2	2-3	4-6	3000
15	Dalwhinnie	86·5	+10	SW	4	pr	45	85	42	7	5	-	-	9+	9+	1500
	Aberdeen	88·8	+8	SSW	4	pr	48	92	46	6	9	7	-	4-6	10	1200
	Wick	87·9	-10	E'S	4	c	47	92	45	6	5	7	-	7-8	9+	2500
16	Sumburgh	91·1	0	S	2	c/r	46	85	44	8	8	7	6	4-6	9+	2000
17	Blacksod Point	85·2	-12	S'W	4	c	55	75	48	8	8	-	6	7-8	9	2500
18	Malin Head	85·7	+22	SSW	4	bc	52	85	48	8	2	·	2	0	4-6	·
	Aldergrove	88·4	+12	SW	5	pr	55	65	45	9	8	6	3	9	9+	4000
19	Birr Castle	87·5	-20	S	3	c	55	75	48	7	8	2	-	7-8	10	1500
20	Valentia Obsy.	84·0	+32	S'W'S	5	c/r	53	85	49	8	8	-	-	9+	9+	1500
	Roches Point	86·7	-40	S	6	rr	51	97	50	6	6	2	-	7-8	10	800

OBSERVATIONS at 18h. G.M.T. 27th May

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)
London (Kew)	98·6	-14	SW'S	4	c	56	85	51	8	5	2	-	9	10	2500
Croydon	99·2	-10	SSW	3	c/r	56	92	54	8	6	2	-	4-6	10	700
S. Farnborough	98·7	-6	SW'S	5	c	57	85	53	7	6	2	-	10	10	700
Boscombe Down	97·0	-20	SW'S	6	id	56	85	52	7	6	2	-	9	10	600
Thorney Island	99·8	-12	SSW	4	c	56	92	54	8	5	7	-	4-6	10	2500
Lympne	02·6	-8	SSE	3	c	55	85	52	8	8	6	6	4-6	10	2200
Manston	01·5	-4	S	3	c	58	85	51	9	5	7	-	4-6	9+	3000
Shoeburyness	01·3	-8	SSW	5	c/r	60	55	55	8	7	2	-	9	10	2600
Felixstowe	00·3	-2	S'W	4	c/r	57	92	54	7	5	7	5	9	9+	1890
Gorleston	00·2	-6	SW'S	4	c	57	85	51	7	5	-	-	7-8	7-8	1200
Mildenhall	98·1	-10	S	5	c*	60	75	50	8	4	1	-	4-6	10	2000
Cranwell	95·0	-12	SSE	5	c/r	58	65	43	7	5	4	-	9	9	2000
Birmingham	93·3	-24	S	4	c/pr	55	85	51	8	8	7	-	7-8	9+	1500
Upper Heyford	95·4	-20	S	4	c/r	56	85	50	8	6	7	-	7-8	10	500
Ross-on-Wye	92·9	-24	S'W	6	c	57	85	51	8	6	1	-	9+	10	1500
Hartland Point	91·3	-8	SW	5	ir	53	85	48	7	8	4	-	7-8	9+	1200
Bristol	95·1	-22	S'W	5	c/r	55	92	52	7	5	2	-	7-8	10	800
Portland Bill	97·9	-16	SE'E	6	o	53	92	50	7	5	-	-	10	10	2500
Plymouth	95·3	-18	SW	5	o/r	53	92	52	6	5	-	-	10	10	4000
The Lizard	93·8	-22	SW'W	7	c/pr	53	92	51	7	8	2	-	7-8	9+	1500
Scilly (St. Mary's)	91·7	-8	SW'S	6	c	54	85	48	7	8	6	9	4-6	9+	1000
Guernsey															
Pembroke	89·6	-10	SSW	7	ir	52	92	50	7	8	2	-	7-8	9+	2000
Holyhead (Valley)	85·9	-38	S	6	rr	54	97	53	7	6	-	-	9+	9+	500
Chester (Sealand)	90·0	-32	SSE	4	irc	56	85	51	8	6	-	-	10	10	2500
Manchester	91·1	-28	S'E	5	c/r	58	85	50	6	5	2	-	9	10	1200
Spurn Head	95·4	-10	S'W	6	cq	58	65	46	7	5	3	-	4-6	7-8	2500
Catterick	91·5	-28	SSW	3	c	60	65	47	7	5	9	-	2-3	9+	4000
Tynemouth	92·8	-10	S	4	bc	59	75	49	7	2	3	-	4-6	4-6	2500
St. Abbs Head	90·2	-2	S	5	c/pr	56	55	47	8	2	4	-	2-3	7-8	2500
Leuchars	88·4	-4	SSW	4	bc	57	65	44	8	8	6	3	2-3	4-6	3000
Renfrew (Abbots I.)	88·1	-6	S'W	4	c	56	55	41	8	5	7	-	4-6	10	3000
Eskdalemuir	88·8	-12	SSW	4	bc	53	65	42	8	5	4	-	4-6	4-6	2200
Point of Ayre	87·0	-36	SE'S	4	crc	51	97	51	7	6	2	-	7-8	10	1000
Tiree	84·7	-10	-	0	bc	53	75	45	8	1	3	6	2-3	4-6	3500
Stornoway	85·8	+2	ENE	3	bc	52	85	47	8	2	4	1	Tr	2-3	3500
Dalwhinnie	86·5	+8	S	3	c	49	75	40	8	5	-	1	7-8	9	2500
Aberdeen	89·5	+6	S'W	2	c	53	85	48	7	8	-	-	7-8	7-8	1500
Wick	87·7	+2	SE	3	bcjp	51	85	46	9	8	6	3	4-6	4-6	3000
Sumburgh	91·0	-2	SSE	4	pr	49	92	47	6	5	3	-	9	9+	1500
Blacksod Point	79·9	-30	SSE	3	RR	49	92	47	7	6	2	-	4-6	10	800
Malin Head	83·2	-22	E	3	c	49	92	47	8	9	2	-	7-8	10	2500
Aldergrove	83·8	-34	SE'E	4	irc	48	92	46	8	5	7	-	9	10	2500
Birr Castle	82·6	-18	SSW	2	c	51	92	49	7	8	-	-	7-8	7-8	1500
Valentia Obsy.	79·8	-34	S	4	ir	52	85	48	8	6	2	-	4-6	10	2500
Roches Point	84·0	-18	S'W	5	bc/r	53	85	49	8	3	-	5	4-6	4-6	1500

PAST 24 HOURS.

Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 27th (39)	Weather 13h.—18h. 27th (40)	Weather 18h 27th to 1h. 28 (41)	Weather 1h.—7h. 28th (42)
London (Kew)	1	*	beeyc	cdgidc	cr.rr.c	cr.cd.
Croydon	0	*	c	crd	cr.rr	cir.
S. Farnborough	1	*	bevey	crgddc	r.r ir.c	cid.r.m.c
Boscombe Down	1	*	bcc	cdgid	cdrm.c	cbc
Thorney Island	1	*	c	crgid	cirr.r.m.c	c
Lympne	1	§3	mdcprc	bcrbprc	cr.r.m.,rr	cm.c
Manston	1	*	rcrcbc	bcvyc	cr.r.rr m.	cz.ir.
Shoeburyness	1	*	cbcy	bcirc	ir.	cm.ir.
Felixstowe	1	3	cbc	bcyirc	cir.cm.c	c
Gorleston	1	4	c	c	cpr.	bcc
Mildenhall	0	*	cbcby	bcyeyc	cir.bc	ir.pr.
Cranwell	0	*	c	circ	cir.,b	bc
Birmingham	1	*	cicbc	bcprc	cir	Rc
Upper Heyford	1	*	cprc	cyd.irc	r.r.pr.c	crrir.
Ross-on-Wye	1	*	tcc	crc	rRcq	Rcqr
Hartland Point	1	5	cbcc	cir	bcq ltc	cqp
Bristol	1	*	cbcc	cpcir	c,cir.	crrpr
Portland Bill	1	5	bcc	o	oc	c
Plymouth	1	4	bcirccc	cddrrc	crrcm.c	c
The Lizard	1	5	crrmc	cprcq	cprqc	cprbc
Scilly (St. Mary's)	1	5	orc	cRc	ciRc	cpcbc
Guernsey						
Pembroke	1	5	cq	cqir	prcq	cqir
Holyhead (Valley)	1	4	bbc	pcrrm	cr.mrm.	crrm.
Chester (Sealand)	1	*	bccprc	cycrc	cpRbirm.	cprbc
Manchester	1	*	qcbcprc	circ	RR	ir.pr.
Spurn Head	0	+	cq	cq	op cbc	oircq
Catterick	1	*	bcy	bcyc	cr.bcm.	rr pr.m.c
Tynemouth	1	3	cbcq	bcq	bccp.tl	oirc
St. Abbs Head	1	3	cbcprr	bcprc	errcm.	cm.ir.c
Leuchars	1	*	tJrphrc	cprcbc	bccpr.r.r.c	bccr.r.
Renfrew (Abbots I.)	1	*	cpc	bccy	cz.ir.	cr.r.
Eskdalemuir	1	*	cphrpr	cbc	crr	cirrr
Point of Ayre	1	4	bc	crc	r.r.c	RRrrc
Tiree	0	3	pr	bc	crr.rr	orc
Stornoway	1	2	c	bc	c	c
Dalwhinnie	1	*	cpr	cpr		ciro
Aberdeen	1	3	crbcpr	ctlprc	cprbc	bccrr
Wick	1	*	cpcccc	cmbcjp	cr.	rr r.m.c
Sumburgh	1	3	crc	cbccprc	cpr.bcb	bbccrr
Blacksod Point	2	2	c	r	r	r
Malin Head	1	3	pr	bc	pr	r
Aldergrove	1	*	cprbcyjp	hcprc crr	cbc	bccir.c
Birr Castle	1	*	c	pr	✱	r
Valentia Obsy.	1		r	pr	r	pr
Roches Point	1	5	pr	r	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 28th May 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	Fresh squally west wind strong to gale locally, decreasing slowly: bright intervals; showers, local thunderstorms; cool.
13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate west wind, freshening; occasional rain; local thunder; bright intervals; cool.
16 Orkneys and Shetlands	As 13A - 15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Fresh squally west to northwest wind, strong locally; bright intervals; showers; local thunderstorms; cool.

GENERAL INFERENCE

A deep depression over North Scotland is moving north-northeast. Weather will be showery and cool with local thunderstorms but there will be bright intervals in most districts.

FURTHER OUTLOOK

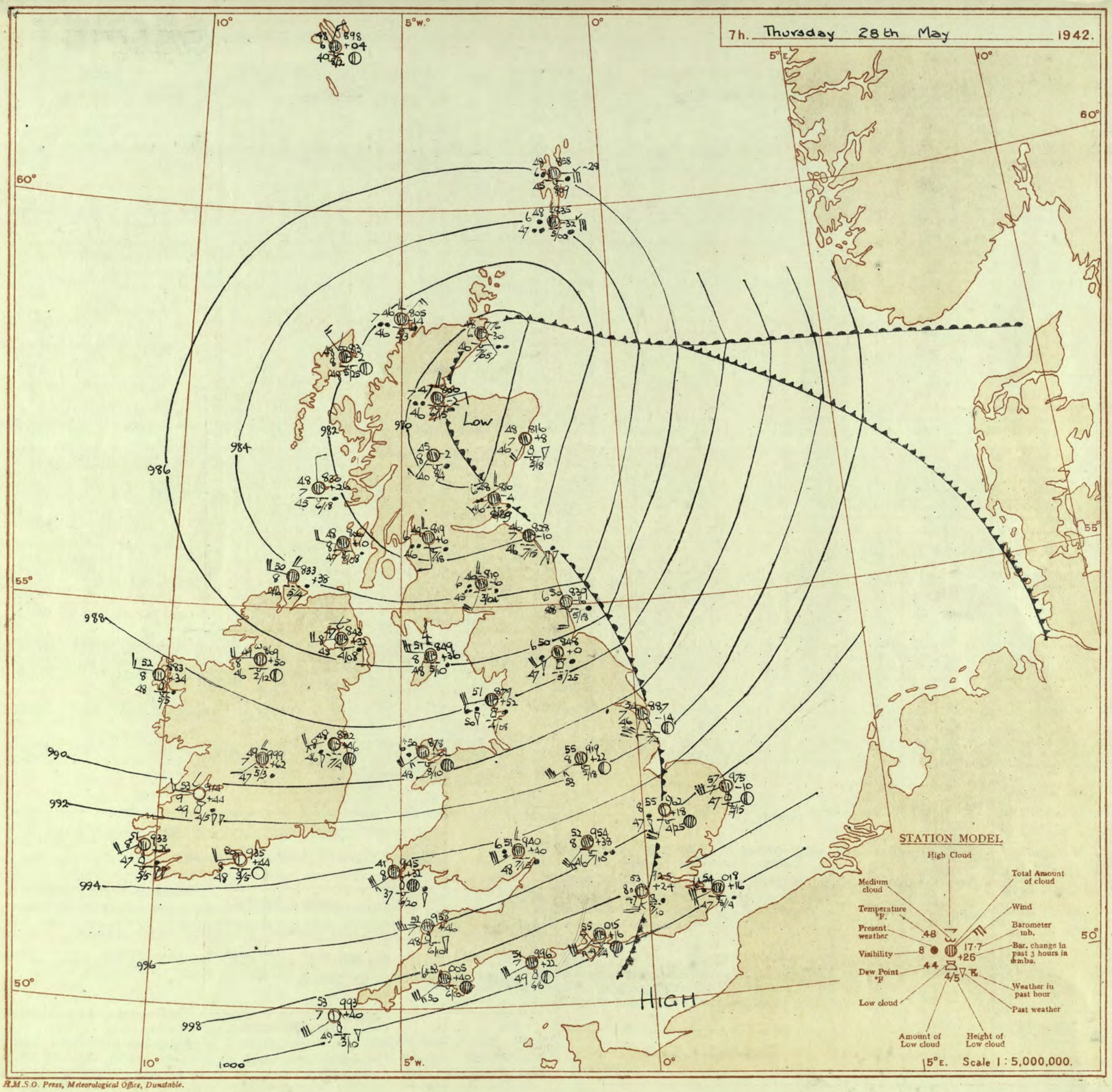
Bright intervals and showers but showers probably infrequent in the south. Cool.

Gale warnings in operation in districts 5&6 issued at 1200 GMT. 27/5; districts 7.8&9 issued at 1410 GMT 27/5; districts 1&2 issued at 2248 GMT. 27/5; districts 3&10 issued 0535 GMT. 28/5.

Forecasts issued at 10·30

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

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



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

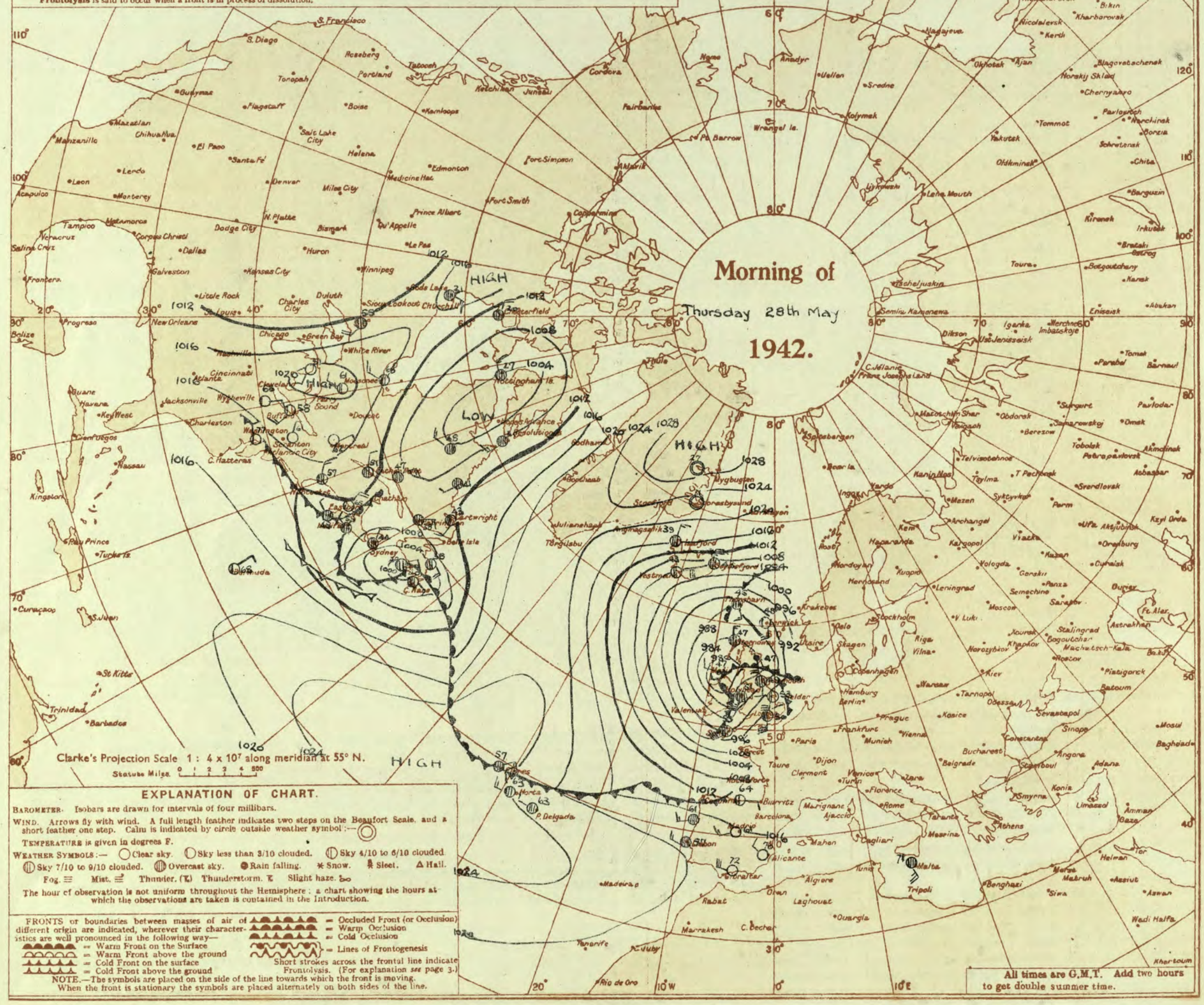
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 28th May 1942

No. 29,407

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	97.8	-2	S	6	c	50	85	47	8	5	-	-	2-3	9+	1300
	S. Farnborough	226	96.8	-6	SW	6	c	53	85	47	7	8	-	-	9	9	2500
	Boscombe Down	417	95.8	-12	SW	7	c	52	85	46	7	5	-	-	9+	9+	2500
	Thorney Island	10	99.1	-2	SSW	6	c	45	85	39	7	5	3	1	4-6	7-8	4000
	Lympne	283	01.7	-2	SSW	6	c/r	52	92	39	6	5	3	-	4-6	9	1500
	Manston	154	00.2	-4	SW'S	5	c/r	52	92	50	7	5	1	-	7-8	10	1200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	98.7	-2	SW'S	5	c	56	85	42	7	-	7	-	0	9	-
	Gorleston	5	98.5	-10	WSW	6	°/pr	57	75	49	6	5	-	-	10	10	800
	Mildenhall	15	95.2	-6	SSW	5	bc	55	75	46	8	5	3	2	Tr	4-6	2500
	Cranwell	203	91.9	-6	S	5	b	51	85	45	7	5	-	-	Tr	Tr	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	92.9	-14	SSW	7	c/pr	52	75	44	8	5	-	-	9	9	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	86.6	-30	SSW	7	cq	52	85	46	7	8	6	-	9	10	1500
	Bristol	209	92.4	-20	SW	6	ir	53	75	46	6	5	2	-	7-8	10	1500
	Portland Bill	32	97.1	-6	S	5	o	50	92	48	7	5	-	-	10	10	2500
	Plymouth	82	93.6	-2	SW	8	c/r	51	97	49	6	5	2	-	7-8	10	1000
	The Lizard	240	93.0	-2	WSW	8	c/pr	51	92	48	6	8	2	-	7-8	9+	1000
	Scilly (St. Mary's)	163	90.6	+28	SW	8	c	53	85	47	7	8	-	-	9	9	800
	Guernsey	175															
6	Pembroke	142	83.8	-20	SW	9	cq	51	85	47	7	6	1	-	4-6	7-8	1500
7	Holyhead (Valley)	32	81.8	-40	SSW	7	rr	51	85	47	6	5	-	-	4-6	10	200
	Chester (Sealand)	16	86.4	-24	S'E	4	ir	50	85	46	6	5	2	-	2-3	10	1100
8	Manchester	235	87.2	-38	SSE	4	c	49	85	45	7	5	-	7	4-6	9	3000
10	Spurn Head	29	90.2	-20	SSW	6	bc	53	85	51	7	7	3	2	2-3	4-6	2500
	Catterick	175	87.5	-2	S	4	z0	49	85	44	6	1	7	-	Tr	4-6	3000
	Tynemouth	108	86.6	-6	S	4	c/pr	50	92	47	7	8	-	-	9	9	2500
11	St. Abbs Head	280	84.3	-18	SE	4	c/r	48	97	48	7	5	-	-	7-8	7-8	1500
	Leuchars	36	82.0	-34	S	2	c/r	49	92	47	8	5	7	-	7-8	10	2000
12	Renfrew (Abbots I.)	19	82.5	-10	S'W	2	ir0	49	85	44	6	6	2	-	9	10	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	82.7	-12	SSW	4	ir0	50	55	38	7	9	6	*	7-8	9+	1000
13A	Tiree	22															
13B	Stornoway	80	83.3	-22	NNE	3	c	47	97	47	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	83.4	-52	SSE	4	rr	47	97	47	6	-	2	-	10	10	600
	Wick	114	86.9	-10	S'SE	1	ir0	48	92	46	8	5	2	-	2-3	9	2500
16	Sumburgh	19	89.8	-10	SSE	4	b	48	92	46	7	-	7	1	0	1	-
17	Blacksod Point	18	81.8	+22	-	0	r0r0	48	92	46	7	6	2	-	2-3	10	1500
18	Malin Head	84	79.1	-4	SW	3	rr	47	92	45	7	6	2	-	2-3	10	1500
	Aldergrove	268	80.8	-12	S'W	2	bc	45	97	44	8	5	-	-	4-6	4-6	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	85.5	+40	WSW	5	c	51	85	43	8	2	7	5	4-6	10	2500
	Roches Point	22	84.1	+52	WNW	4	bc	49	85	41	8	5	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 28th May — 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 27th Hrs. (38)
London (Kew)	99.5	+20	SW	6	id0	54	75	47	7	5	-	-	9+	9+	1500	1	*	59	53	49	Tr	2	6.7
Croydon	99.5	+24	SSW	5	ir0	53	85	47	8	9	-	-	9+	9+	1000	1	*	60	52	48	1	2	8.8
S. Farnborough	99.3	+28	SW	7	c	53	85	48	7	5	-	-	9+	9+	1000	1	*	62	51	46	0.3	2	7.3
Boscombe Down	99.2	+34	SW'S	6	bc	53	75	46	7	8	-	-	4-6	4-6	2000	1	*	59	50	42	1	0.1	6.0
Thorney Island	01.5	+16	SW	6	c	55	85	49	7	5	-	-	9+	9+	1500	1	*	59	51	49	0.5	1	*
Lympne	03.8	+18	S	7	c	53	85	48	7	5	-	-	9+	9+	1200	1	§5	61	51	48	Tr	5	6.4
Manston	01.8	+16	SW'W	6	ir0	54	75	47	6	5	-	-	10	10	1400	1	*	63	51	49	0.3	3	5.9
Shoeburyness	00.4	+16	SSW	6	c/r	56	75	48	6	5	-	-	9	9	1500	0	*	65	54	50	0.4	1	6.7
Felixstowe	98.7	+6	SSW	7	c	56	75	48	7	5	7	-	4-6	9	2500	0	5	65	54	50	Tr	1	9.7
Gorleston	97.5	-10	WSW	6	c	57	65	47	7	8	-	-	7-8	7-8	1500	1	4	64	53	49	-	-	9.1
Mildenhall	96.2	+18	SSW	6	pr	55	75	47	8	9	-	-	4-6	4-6	2500	0	*	65	53	46	-	Tr	10.7
Cranwell	91.9	+22	SW	7	c	55	97	53	8	5	-	-	7-8	7-8	1800	0	*	63	49	47	Tr	0.1	7.1
Birmingham	93.2	+26	SSW	4	c	51	75	54	8	5	-	-	9	9	1500	1	*	60	48	45	2	8	2.7
Upper Heyford	95.4	+38	SW'S	6	c/r	52	85	46	8	5	-	-	9+	9+	1000	1	*	60	48	46	0.4	5	*
Ross-on-Wye	94.0	+40	SW'W	6	ir	51	97	48	6	6	2	-	9+	10	1500	1	*	60	49	46	0.5	15	1.5
Hartland Point	95.8	+46	WSW	7	c	52	85	48	7	8	-	-	9	9	1000	1	6	57	47	47	3	0.6	3.2
Bristol	97.2	+36	WSW	6	bc/pr	52	85	47	8	8	6	-	2-3	4-6	1000	1	*	61	48	45	0.2	4	3.7
Portland Bill	99.6	+22	SW	6	c	51	92	49	7	2	-	-	9	9	4000	1	6	53	49	*	-	2	*
Plymouth	00.5	+40	SW	6	c	53	92	50	6	5	-	-	9	9	1000	1	6	55	50	49	4	2	2.2
The Lizard	00.1	+40	WSW	6	bc	52	92	50	7	8	6	-	4-6	4-6	2500	1	6	56	48	*	0.6	8	2.3
Scilly (St. Mary's)	99.3	+40	SW'W	6	bc	53	85	49	7	8	-	-	2-3	2-3	1000	1	5	58	47	*	1	6	3.3
Guernsey																							
Pembroke	94.7	+58	WSW	8	ir	52	85	49	7	8	3	1	7-8	7-8	2500	1	6	53	45	*	6	0.2	0.5
Holyhead (Valley)	87.8	+62	SW'S	6	ir0	50	92	48	6	5	-	-	10	10	1000	1	5	57	49	47	3	4	*
Chester (Sealand)	89.5	+50	SW	3	bc	51	75	43	8	2	-	-	4-6	4-6	3000	1	*	63	48	43	0.3	5	7.0
Manchester	89.0	+38	SW	6	c/pr	51	85	47	8	2	6	-	4-6	7-8	2000	1	*	62	48	45	0.4	13	11.1
Spurn Head	88.7	-14	SSW	7	cq	54	75	46	7	8	-	-	9+	9+	1500	1	4	*	49	*	-	3	8.5
Catterick	84.8	0	SW	4	pr	50	85	47	6	9	-	-	7-8	7-8	2500	1	*	61	53	43	-	8	9.9
Tynemouth	83.9	-16	S	4	c	50	92	48	6	5	-	-	7-8	7-8	1800	1		62	48	45	-	3	*
St. Abbs Head	82.8	-10	SE	2	c/pr	46	97	46	7	6	-	-	9+	9+	1500	1	3	59	44	*	0.3	7	*
Leuchars	81.6	-4	SW	2	r0r0	48	97	46	6	6	2	-	10	10	2000	1	*	57	45	36	6	7	6.0
Renfrew (Abbots I.)	81.9	+6	S	2	r0r0	49	92	46	6	5	2	-	9+	10	1800	1	*	59	44	40	2	6	5.2
Eskdalemuir	81.0	-6	SSW	4	rr	46	97	45	6	6	2	-	2-3	10	400	1	*	56	44	44	1	10	5.8
Point of Ayre	84.9	+36	W'N	5	c	51	92	48	8	6	4	6	7-8	9	1000	1	4	63	48	*	0.5	15	8.1
Tiree	83.0	+26	N	1	c	48	85	45	7	5	-	-	9	9	1800	1	4	55	47	*	2	6	9.2
Stornoway	81.3	-2	NW	3	c	48	97	48	8	5	7	-	7-8	9+	2500	1	2	54	46	*	Tr	-	11.0
Dalwhinnie	79.5	-2	SW	2	o	45	85	40	8	5	-	-	10	10	1500	1	*	50	41	38	6	11	4.8
Aberdeen †	81.6	+8	SSW	4	bc	48	92	46	7	8	-	-	7-8	7-8	1800	1	2	53	46	43	2	11	5.7
Wick	77.6	-30	SE'S	2	c/r	48	97	46	6	5	-	-	9+	9+	500	1	*	53	46	43	2	5	*
Sumburgh	83.5	-32	E'S	6	rr	48	97	47	6	6	2	-	7-8	10	600	1	4	49	42	38	2	1	0.9
Blacksod Point	88.3	+34	WNW	3	e	52	85	44	8	8	-	-	7-8	7-8	2500	1	2	57	47	*	1	7	
Malin Head	83.3	+38	WNW	4	c	50	85	42	8	6	2	-	7-8	9+	1500	2	6	54	46		1	9	6.4
Aldergrove	84.3	+32	W'S	4	c	47	92	48	8	5	4	1	4-6	9+	800	1	*	58	42	37	1	7	4.0
Birr Castle	99.9	+62	SW	2	c	49	92	48	7	6	2	-	7-8	10	800	1	*	59	45	42	5	3	5.1
Valentia Obsy.	93.3	+26	SW'W	4	c/pr	51	85	42	8	8	-	-	7-8	7-8	2500	1	4	55	47	42	8	4	1.1
Roches Point	93.5	+44	W	4	bc	50	92	43	8	5	-	-	2-3	2-3	2500	1	*	54	43	*	4	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th May IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 28th May C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
10952	03736	08568	36	01752	10314	5-	02756	10316	5-	61738	42468
115			52	09734	08427	51	02844	12227	52	62735	04368
2038-	25847	08327	8-	81847	16187	5-	02947	04217			
20680	25864	06284	83	01852	20383	5-	64648	00068	52	62746	06268
21089	25955	14387	86	02964	17485	82	62654	06368	6-	62847	20367
22070	01954	11214	70	01954	13214						
2308-	25956	17386	8-	02956	14216	87	81845	16167	52	02855	19167
2459-	25756	16386	36	25764	20284	6-	64638	14368	80	01754	17465
26020	81754	18685	87	01864	18513	2-	22756	11468	02	63648	09188
27836	01854	50484	5-	64748	13468	13	01643	14385	9-	81757	53487
27926	01963	51713	5-	61844	22268	50	01763	17463	5-	22745	22467
28530	01854	24614									
2882-	02756	52516	17	01753	47484	04	00790	49591	6-	81647	51587
57526	10955	20425	62	64734	10368	53	02863	16217	53	01842	26425
30186	02955	18425	57	61745	14568	57	62659	16568	9-	81634	22667
3218-	81747	19387	57	62864	49488	53	00863	51463	86	02846	52486
2995-	02756	20316	56	01754	18314	5-	01753	20413	80	14755	22515
2928-	02655	20325	83	91754	13486	54	01732	16313	8-	81647	51587
310--	01636	24416							36	25362	58647
61420	05655	28325	6-	63648	20328	56	05544	15565	10	03644	51524

13h. G.M.T. 27th May IIIC_L C_M	wwVhN_h	DDFWN	18h. G.M.T. C_L C_M	wwVhN_h	DDFWN	01h. G.M.T. 28th May C_L C_M	wwVhN_h	DDFWN	07h. G.M.T. C_L C_M	wwVhN_h	DDFWN
33387	02743	18627	23	25634	15565	52	25753	51587	67	61746	18683
334											
34083	02905	20586	37	23746	47583	8-	22659	20568	5-	02956	21666
13626	02855	19425	-7	01763	17318	03	02890	19666	80	00955	19785
33657	02755	20427	62	64626	20468				2	81656	20586
35027	02854	01525	52	22835	49568	80	01753	50663	86	01844	53624
3685-	02957	17427	5-	65638	93435	57	01754	18364	83	05645	53786
37923	02946	51587	6-	63638	52668	5-	02848	53728	2-	91737	20787
39080	02765	14325	62	52536	17368	57	22542	49662	86	61645	53665
38286	02865	51425	57	02747	51428				86	25844	53484
43851	02744	22416	87	02763	20516	54	14753	20618	67	14744	22616
430--	02855	28528	37	02854	18468	5-	02687	53727	5-	05647	54727
4095-	62738	18568	37	61736	51568	67	64636	53888	73	02775	21666

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 28th May
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	becye	ed0ir0c	cr0cd0
Croydon	c	cr0d0	cir0
Greenwich	c	cycr0	cirq
Camden Square	c	c	*
Kensington	cbc	becm	*
Hampstead	bep	or	be

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	59	53	49	Tr	2	6.7	*	*
Croydon	60	57	48	1	2	8.8	*	*
Greenwich	63	52	47	Tr	1.3	8.1	58	65
Westminster	63	54	50	·	1.6	*	76	83
Regents Park	63	53	50	—	1.3	*	69	62
Camden Square	63	53	49	—	1.3	*	*	64
Kensington	63	53	49	0.1	1.5	*	86	68
Hampstead	65	50	47	Tr	1.9	*	*	73

BRITISH SECTION

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

SECRET

Friday 29th May 1942

No. 29408

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

District	Stations (For heights see p. 4.)	Baroin. at M.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)	04·0	+20	SW'S	5	c	60	65	46	8	8	3	8	9	9+	2500
	Croydon ...	04·6	+22	SW'S	5	c	61	65	47	8	2	7	2	7·8	9	2500
	S. Farnborough	05·1	+22	SSW	5	c	61	65	47	8	?	-	-	9	9	2000
	Boscombe Down	04·1	+20	SW'W	6	c	60	65	47	8	7	-	-	7·8	7·8	3000
	Thorney Island	07·8	+32	SW	5	bc	59	75	49	8	2	-	-	4·6	4·6	1500
	Lympne ...	08·8	+18	SW	6	c	57	75	49	8	2	1	-	4·6	10	1500
	Manston ...	06·9	+28	SW	6	zo	58	75	54	6	2	-	7	4·6	9+	2000
2	Shoeburyness ...	05·5	+28	SSW	6	c	60	65	49	8	7	-	-	4·6	9	2800
	Felixstowe ...	04·0	+20	SSW	5	c	63	65	50	7	5	-	1	7·8	9	2500
	Gorleston ...	02·2	+24	W'S	6	c	62	65	49	7	8	-	-	9	9	1500
	Mildenhall ...	02·0	+28	WSW	6	c	61	55	45	8	7	-	-	7·8	7·8	2500
	Cranwell ...	99·5	+46	SW'W	7	bc	61	55	46	7	2	-	-	4·6	4·6	2500
3	Birmingham ...	00·3	+32	SW	4	c	57	65	46	8	8	-	3	7·8	7·8	2500
	Upper Heyford	01·9	+30	SW	5	zo	57	75	48	8	8	-	-	7·8	7·8	2200
4	Ross-on-Wye	01·0	+20	WSW	6	bcq	57	65	45	8	2	-	-	4·6	4·6	3500
5	Hartland Point	01·4	+12	WSW	5	bc	53	92	49	7	2	4	-	2·3	4·6	2500
	Bristol ...	03·1	+18	W	5	bc	59	65	47	8	2	6	-	4·6	4·6	2500
	Portland Bill ...	07·1	+28	SW	5	bc	54	85	50	8	2	-	-	4·6	4·6	4000
	Plymouth ...	04·9	+16	SW	4	bc	55	92	54	6	2	4	3	2·3	4·6	2000
	The Lizard ...	04·5	+10	SW	5	bc	57	85	52	8	8	6	-	4·6	4·6	2500
	Scilly (St. Mary's)	02·4	+6	SSW	5	bc	57	85	51	7	5	4	3	Tr	4·6	1200
	Guernsey ...															
6	Pembroke ...	00·5	+16	SW'S	6	bcq	54	85	50	7	2	-	-	2·3	2·3	2500
7	Holyhead (Valley)	96·1	+56	SW	6	bc	58	85	54	8	3	6	-	1	2·3	2000
	Chester (Sealand)	98·1	+38	SW	3	c	59	55	43	8	2	-	-	7·8	7·8	3000
8	Manchester ...	97·8	+42	SW'W	6	c	58	75	49	9	2	6	-	4·6	7·8	2500
10	Spurn Head ...	97·6	+40	SW'W	7	cq	60	55	44	7	2	6	-	9+	9+	2500
	Catterick ...	94·9	+46	SW	4	c	57	75	47	9	8	-	-	7·8	9+	2200
	Tynemouth ...	91·8	+30	WSW	6	cq	58	75	48	8	8	-	-	7·8	7·8	2600
11	St. Abbs Head	87·7	+34	SW	4	c	53	85	47	8	5	-	-	10	10	1500
	Leuchars ...	86·2	+26	W	4	c	57	75	48	7	2	-	8	7·8	9+	2200
12	Renfrew (Abbots I.)	90·6	+54	W	5	c	57	75	50	8	8	3	-	7·8	9	1500
	Eskdalemuir ...	91·3	+54	WSW	5	c	53	65	43	8	5	-	-	9	9	1100
	Point of Ayre ...	93·8	+44	W	6	bc	61	75	51	8	2	4	-	Tr	2·3	2000
13A	Tiree	90·6	+36	WNW	2	c	53	85	47	8	5	-	-	9	9	2800
13B	Stornoway ...	85·0	+26	WNW	5	c	53	85	48	8	5	7	-	7·8	9	4000
15	Dalwhinnie ...	87·7	+36	SSW	3	c	47	40	75	8	5	-	-	9	9	2500
	Aberdeen ...	84·9	+20	WSW	4	pr	58	65	45	7	8	2	-	4·6	9+	1800
	Wick ...	80·5	+14	W	4	s/r	49	97	48	7	5	2	-	9	10	1000
16	Sumburgh ...	84·2	-18	SE'S	3	bc	52	85	49	6	5	2	-	1	2·3	900
17	Blacksod Point	92·4	+14	W	5	c	59	75	51	9	8	-	-	7·8	7·8	2500
18	Malin Head ...	90·5	+30	NW'N	5	c	53	85	49	8	2	1	-	4·6	7·8	2300
	Aldergrove ...	92·4	+32	SW'W	4	s/pr	56	75	46	9	8	6	-	4·6	7·8	2500
19	Birr Castle ...	94·8	+16	SW	2	c	52	85	48	7	3	7	-	2·3	9	1500
20	Valentia Obsy.	94·2	-2	SW'S	6	s/pr	54	75	46	8	3	-	-	9	9	2500
	Rochee Point	96·4	+6	SSW	6	c	55	85	51	8	3	-	3	2·3	7·8	1500

OBSERVATIONS at 18h. G.M.T. 28th May

District	Stations	Baroin. at M.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)	06·9	+14	SW'S	5	bc	59	55	44	8	1	-	-	4·6	4·6	2500	1	*
	Croydon ...	06·8	+10	SW'S	4	bc	58	65	45	8	1	4	-	2·3	2·3	2200	1	*
	S. Farnborough	06·8	+8	SSW	5	bc	57	65	44	8	2	-	-	4·6	4·6	4000	1	*
	Boscombe Down	06·3	+6	SW'S	5	bc	55	75	45	8	2	-	-	4·6	4·6	3000	1	*
	Thorney Island	07·9	+6	SW	5	c	57	85	55	7	8	-	-	4·6	9	2500	0	*
	Lympne ...	08·9	+6	SSW	4	c	57	75	49	8	3	6	3	2·3	7·8	3200	1	3
	Manston ...	08·1	+8	SW'S	4	bc	59	65	47	6	-	8	3	0	2·3	-	1	*
2	Shoeburyness ...	07·5	+8	SSW	5	bc	60	55	45	8	1	3	-	Tr	2·3	2800	0	*
	Felixstowe ...	06·7	+10	SW'S	5	b	62	55	47	8	2	7	3	Tr	1	2500	0	5
	Gorleston ...	05·7	+20	WSW	6	bc	63	55	44	7	1	-	-	2·3	2·3	2500	0	6
	Mildenhall ...	05·0	+14	SW	5	bc	61	55	45	8	8	-	-	4·6	4·6	2000	0	*
	Cranwell ...	02·5	+14	WSW	5	c	59	55	41	7	5	7	5	2·3	9	3000	0	*
3	Birmingham ...	03·4	+14	SSW	4	s/pr	56	55	41	8	8	7	-	7·8	9	1500	1	*
	Upper Heyford	04·4	+14	WSW	4	c	55	75	47	8	9	6	3	7·8	9+	2000	1	*
4	Ross-on-Wye	03·5	+14	SSW	2	pr	53	85	47	8	2	-	-	4·6	4·6	3500	1	*
5	Hartland Point	01·6	-2	WSW	6	s/pr	52	85	48	8	8	4	-	4·6	7·8	1500	0	5
	Bristol ...	04·5	+6	SW'W	4	bcjp	57	65	44	8	3	6	-	4·6	4·6	2500	1	*
	Portland Bill ...	07·5	+4	SW	5	c	53	85	49	7	2	4	-	4·6	7·8	4000	1	6
	Plymouth ...	05·2	0	SW	4	c	55	92	54	7	8	6	-	4·6	7·8	2000		4
	The Lizard ...	04·7	0	SW	5	bc	52	92	50	8	8	-	-	4·6	4·6	2000	1	5
	Scilly (St. Mary's)	02·5	0	SSW	6	cjp	54	85	48	7	8	7	3	4·6	7·8	1200	1	5
	Guernsey ...																	
6	Pembroke ...	00·8	+4	SW'S	5	cq	51	85	47	7	8	6	-	7·8	9+	2500	1	5
7	Holyhead (Valley)	98·7	+6	SSW	7	bc	54	85	49	6	2	-	2	Tr	2·3	2000	1	5
	Chester (Sealand)	00·5	+14	SSW	3	s/pr	55	75	48	8	3	-	-	9+	9+	3500	1	*
8	Manchester ...	00·5	+14	SW	4	s/pr	56	65	46	9	3	6	3	4·6	7·8	2500	1	*
10	Spurn Head ...	01·4	+4	SW'W	4	c	60	65	48	7	2	9	5	4·6	7·8	2500	0	4
	Catterick ...	99·6	+18	SW	4	bc	58	55	44	9	3	6	-	4·6	4·6	2300	1	*
	Tynemouth ...	98·4	+20	SW	6	cq	58	75	49	7	2	3	-	4·6	7·8	2600	1	3
11	St. Abbs Head	95·0	+28	SW	5	s/pr	54	75	45	8	2	4	-	7·8	7·8	2000	1	3
	Leuchars ...	93·3	+34	WSW	5	c	59	55	42	9	8	6	-	7·8	7·8	3000	1	*
12	Renfrew (Abbots I.)	95·2	+26	WSW	2	c	54	65	43	9	8	7	-	4·6	7·8	1800	1	*
	Eskdalemuir ...	95·9	+26	SW'S	5	pr	52	85	47	6	8	-	-	9	9	1500	1	*
	Point of Ayre ...	96·8	+6	SW	5	bc	59	75	51	8	2	4	6	Tr	2·3	1000	0	3
13A	Tiree	93·2	+8	WNW	1	b	53	65	43	8	1	4	5	1	1	3500	0	2
13B	Stornoway ...	90·8	+18	WSW	5	c	52	85	46	8	5	7	-	4·6	9	1200	1	3
15	Dalwhinnie ...	92·0	+28	WSW	3	bc	53	55	37	8	8	-	-	4·6	4·6	2500	1	*
	Aberdeen ...	91·3	+34	W	3	bc	61	55	44	8	8	-	3	4·6	4·6	3000	1	*
	Wick ...	88·9	+44	WSW	3	pr	50	92	47	8	5	2	-	7·8	10	900	1	*
16	Sumburgh ...	85·8	+6	SE	4	pr	49	92	47	7	5	7	8	4·6	9+	1000	0	3
17	Blacksod Point	94·0	+30	W'S	3	s/r	51	85	47	8	6	2	-	4·6	7·8	1500	1	2
18	Malin Head ...	93·6	+14	-	0	c	53	85	49	8	2	2	-	4·6	10	2500	1	3
	Aldergrove ...	94·8	+14	-	0	s/r	51	92	48	8	9	7	3	7·8	9+	3000	1	*
19	Birr Castle ...	95·3	+6	WSW	2	pr	48	85	44	7	9	2	-	7·8	10	800	1	*
20	Valentia Obsy.	96·6	+26	WNW	4	bc/pr	53	75	45	9	3	6	3	2·3	4·6	2500	1	5
	Rochee Point	96·3	-4	SSW	5	s/pr	51	85	47	8	3	-	3	4·6	7·8	1500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 28th. (39)	Weather. 13h.—18h. 28th. (40)	Weather. 18h.–1h. 28th/29th (41)	Weather. 1h.–7h. 29th (42)
1	London (Kew)	cpro c	cbcy	cybc	bc
	Croydon ...	circ	cbc	bcbbc	cpro c
	S. Farnborough	bccirc	cybc	bcc	cbcc
	Boscombe Down	cprobc	bc		cprobc
	Thorney Island	bcbcmoc	cbbc	bcimc	bcimc
	Lympne ...	c	cbbc	bmocmo	cbcmobc
	Manston ...	czo	czocbybc	bczobc	bczo
2	Shoeburyness ...	c	cby	byb	bbmo
	Felixstowe ...	c	cby	bybcb	bcbbc
	Gorleston ...	cbcq	cbcy	bcb	cbc
	Mildenhall ...	cpro c	cyprobcby	b	bbcwc
	Cranwell ...	c	cbcc	cbccprob	bbcb
3	Birmingham ...	proc	bbc	irc	cbc
	Upper Heyford	cprobc	prottroc	cbcb	b probc
4	Ross-on-Wye	cqbcby	bcpcpo	Rbc	pcpbc
5	Hartland Point	cbc	bccb	bccirq	cbc
	Bristol ...	bccbc	bcprjp	bccpr	bc
	Portland Bill ...	c	bcc	bcc	c
	Plymouth ...	cbc	cbccmo	bc	bprobcd
	The Lizard ...	bc	cprbc	bc	bcpro
	Scilly (St. Mary's)	bc	bccirc	bccbc	bccpq
6	Pembroke ...	cbcq	bccprq	cbcq	bcq
7	Holyhead (Valley)	rorocbcb	bbc	circ	cprobc
	Chester (Sealand)	bccy	bcyprc	cpRbcc	irmoc
8	Manchester ...	cpro	propr	cprobc	cpro
10	Spurn Head ...	cq	cq	bc	c
	Catterick ...	protc	cprocy	cprobc	bccpro
	Tynemouth ...	cbccq	cq	bcprobc	bcc
11	St. Abbs Head	cprc	cbccpro	bcc	cbcrrproc
	Leuchars ...	cproc	cbcry	cbcc	rorc
12	Renfrew (Abbots I.)	c	cbcrc	bcproc	crrmoirc
	Eskdalemuir ...	crphrro	cpropr	cpr	cprRr
	Point of Ayre ...	cbc	bc	bcc	circ
13A	Tiree	bcc	cbcb	bbc	bc
13B	Stornoway ...	oc	cpr	cbc	bcc
15	Dalwhinnie ...	oc	cbcy	*	bcirro
	Aberdeen ...	bccpr	cprobcy	bcb	bccpro
	Wick ...	proddrorc	cpro	procbc	bc
16	Sumburgh ...	crorobc	bcmcpro	c rorc	crorodcbc
17	Blacksod Point	bc	r	pr	pr
18	Malin Head ...	c	bc	pr	r
	Aldergrove ...	cbccpr	cprtbc	rrir	cirbroc
19	Birr Castle ...	pr	pr	*	c
20	Valentia Obsy.	pr	pr	pr	pr
	Rochee Point	pr.	pr	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 29th May 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 12 S.W. Scotland & Isle of Man	Moderate or fresh southwest wind strong locally veering West. Bright intervals, showers of rain or hail. Thunderstorms in many places. Cool.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light variable winds becoming northwest, moderate or fresh.
16 Orkneys and Shetlands	As 13A – 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate west to northwest wind fresh locally. Bright intervals, showers, local thunderstorms. Cool.

GENERAL INFERENCE

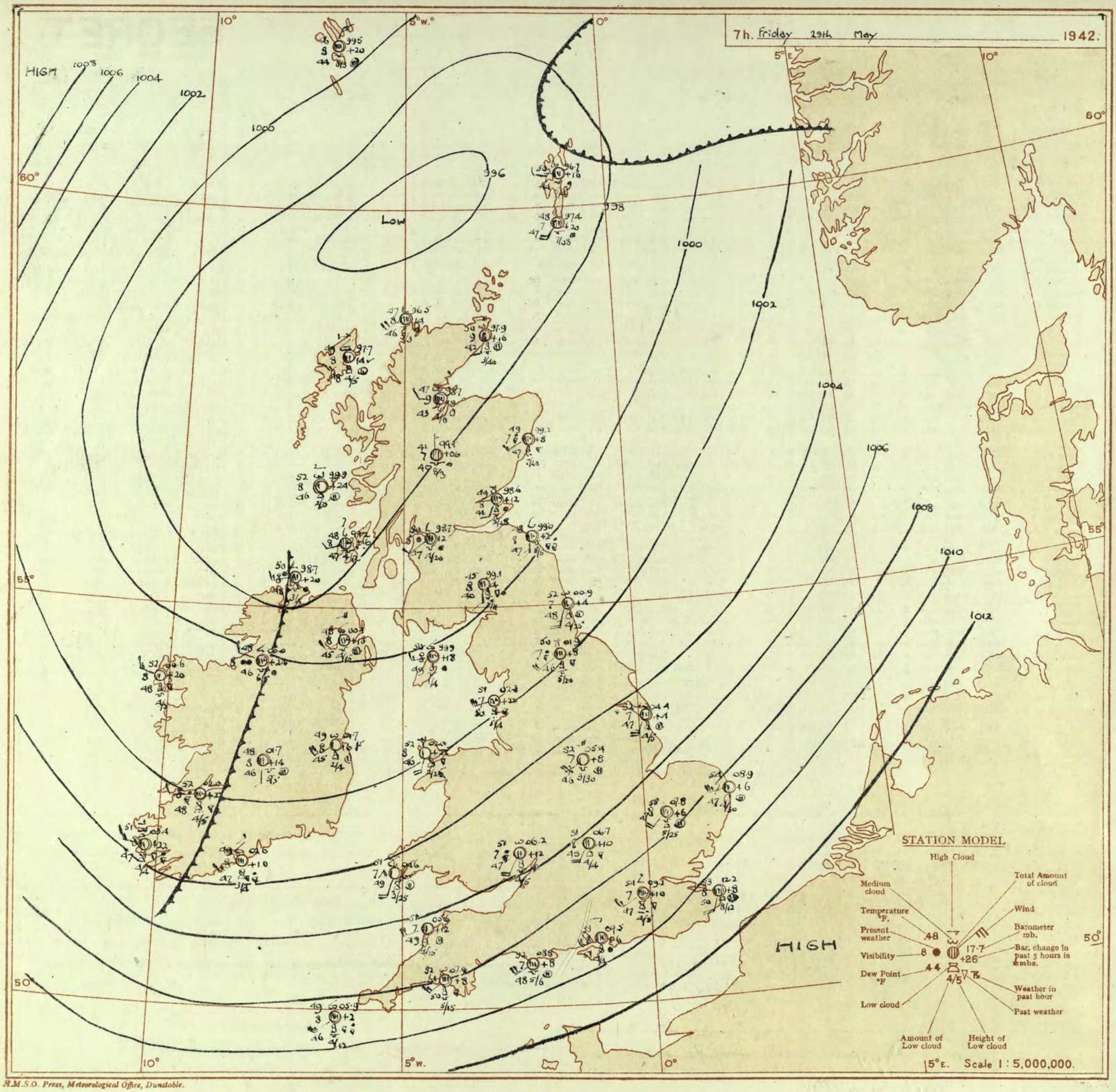
A complex depression extending from off northwest Scotland to north of Shetland is moving northeast slowly. Weather will be cool and showery with thunderstorms in many places, but also bright intervals.

FURTHER OUTLOOK

A short fair interval over most of England and Wales.

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).

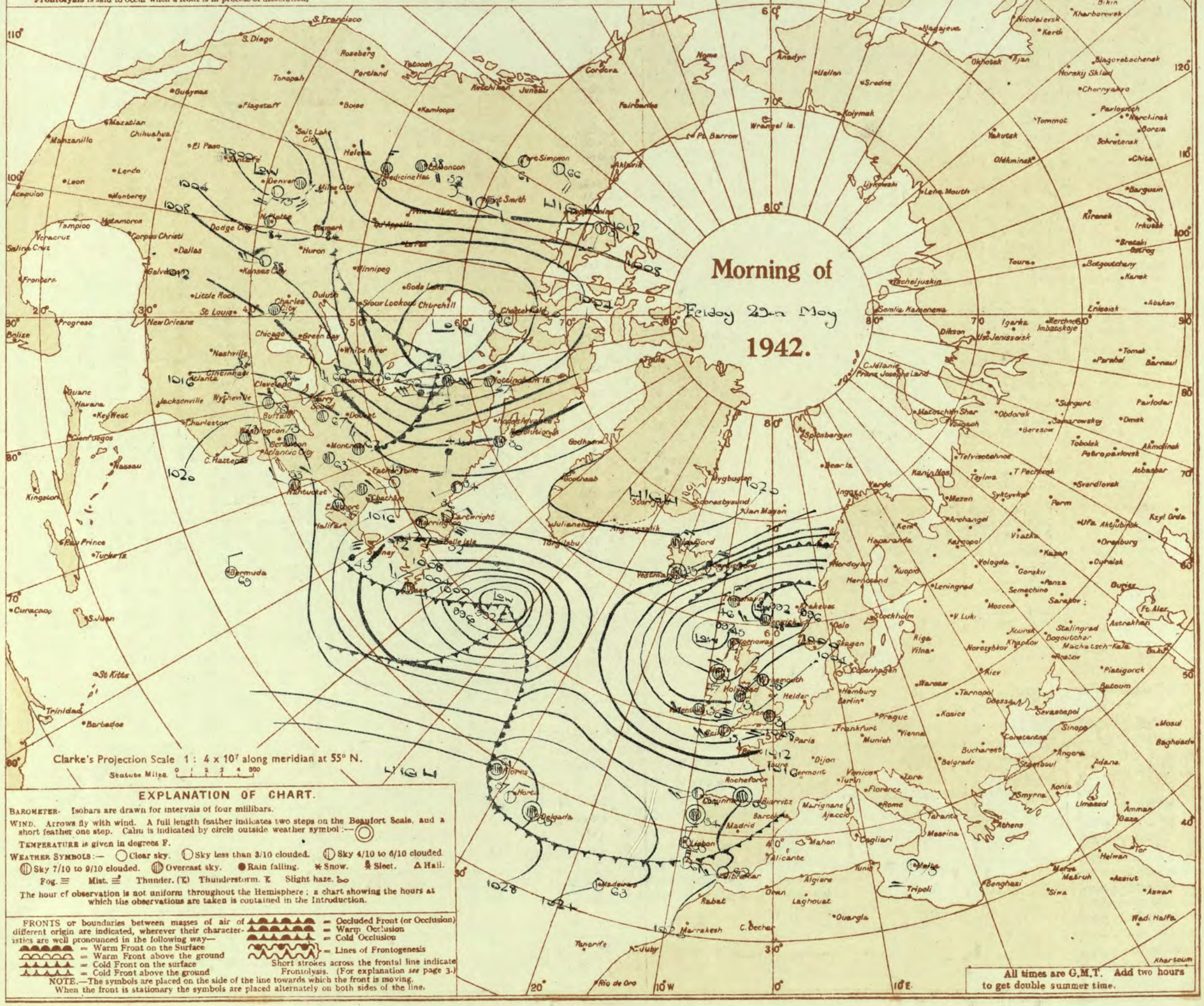
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

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 29th May 1942

No. 29408

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	08·2	−2	SSW	4	c	51	85	47	8	2	–	–	7-8	7-8	2000
	S. Farnborough	226	07·8	−2	SW'S	4	c	52	85	46	8	2	–	–	7-8	7-8	2500
	Boscombe Down	417	07·5	0	SSW	4	c/pr	50	85	47	7	8	–	–	7-8	7-8	2500
	Thorney Island	10	09·0	0	SW'S	4	c	53	85	48	8	8	6	–	4-6	7-8	1500
	Lympne ...	283	11·2	−2	SSW	1	zo	50	92	48	6	5	3	–	4-6	9	3000
	Manston ...	154	10·2	−2	SSW	2	b	50	92	48	7	5	–	–	1	1	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·0	−2	SSW	4	b	53	85	49	7	5	–	–	Tr	Tr	2500
	Gorleston ...	5	08·0	0	SW'W	4	b	52	85	48	7	–	–	–	0	0	–
	Mildenhall ...	15	07·0	+2	S	3	b	50	85	45	7	5	–	–	Tr	Tr	2500
	Cranwell ...	203	04·7	0	S'E	4	b	47	92	41	7	5	–	–	Tr	Tr	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	05·3	−2	S'W	3	b	49	85	45	7	5	4	–	Tr	1	2000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03·0	+6	WSW	7	c/pr	51	92	48	7	8	6	–	7-8	9+	1500
	Bristol ...	209	05·7	−2	SW'S	5	pr	50	85	47	7	9	–	3	4-6	4-6	1500
	Portland Bill ...	32	07·6	−6	SW	4	c	51	85	47	7	5	7	–	7-8	9	4000
	Plymouth ...	82	06·6	+6	W	6	zo	52	92	48	6	2	–	–	4-6	4-6	1500
	The Lizard ...	240	06·3	+12	W'S	5	bc	51	92	49	8	8	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	05·5	+12	SW'W	5	bc	51	85	45	7	8	–	–	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	01·9	+10	SW'W	6	bcq	51	92	49	8	8	4	–	2-3	4-6	2500
7	Holyhead (Valley)	32	98·1	−2	S'W	6	c	51	85	47	7	8	–	–	9+	9+	1300
	Chester (Sealand)	16	01·2	−2	SSE	3	c	49	85	45	8	5	–	–	10	10	2800
8	Manchester ...	235	01·9	0	S	4	c	48	92	45	8	5	3	–	4-6	7-8	3500
10	Spurn Head ...	29	04·2	+2	S'W	5	b	50	85	47	7	1	–	–	1	1	4000
	Catterick ...	175	01·4	+2	SSW	3	bc	49	85	45	7	7	–	–	2-3	2-3	2000
	Tynemouth ...	108	00·8	+2	SW	3	bc/pr	48	92	46	6	8	–	–	4-6	4-6	2500
11	St. Abbs Head	280	98·4	+14	S	4	c	46	92	44	8	5	–	–	9	9	2500
	Leuchars ...	36	97·4	+10	SW	1	c	48	85	45	8	4	4	3	4-6	7-8	3500
12	Renfrew (Abbotsl.)	19	97·1	+2	SSW	2	c	50	85	45	7	8	1	–	7-8	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	97·6	0	SW'S	4	c	50	85	47	8	8	4	–	7-8	10	2500
13A	Tiree	22	96·5	+6	–	0	bc	46	92	44	8	5	4	–	4-6	4-6	3500
13B	Stornoway ...	80	95·5	+10	SSW	3	bc	45	92	45	8	5	–	9	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	97·6	+14	SW'S	2	bc	47	85		9	5	3	–	1	4-6	6000
	Wick ...	114	95·8	+20	SW'W	3	bc	43	92	40	9	5	3	1	2-3	2-3	4000
16	Sumburgh ..	19	93·1	+30	W	3	zo	48	97	47	6	5	7	–	9	9+	2000
17	Blacksod Point	18	97·4	+10	SW	3	c/pr	47	85	39	8	9	–	–	7-8	7-8	2500
18	Malin Head ...	84	95·8	+10	–	0	c	47	92	45	8	2	2	–	4-6	9+	2500
	Aldergrove ...	268	96·8	+6	S	1	ir	47	97	45	8	5	–	–	2-3	9+	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	00·7	+10	SW'W	3	c	50	85	42	8	2	–	1	7-8	7-8	2500
	Roches Point	22	01·1	+18	W'S	4	bc	49	92	47	8	3	3	–	2-3	4-6	1500

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

Stations	Barom. at M.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)	08·8	+10	SW	4	bc	54	75	48	7	8	–	1	4-6	4-6	2500	1	*
Croydon ...	09·2	+10	SW	3	c	54	75	47	7	9	–	6	4-6	9	2500	1	*
S. Farnborough	09·3	+12	SW'W	4	c	53	75	46	8	8	–	1	7-8	9	2000	1	*
Boscombe Down	08·8	+12	SW	4	bc	52	85	46	7	3	–	6	4-6	4-6	3000	1	*
Thorney Island	09·5	+6	SW'W	4	c	53	85	49	8	2	–	2	4-6	7-8	1500	1	*
Lympne ...	12·2	+8	SSW	4	c	53	85	50	8	1	–	–	10	10	1200	1 §	
Manston ...	10·8	+6	SSW	4	zo	53	85	48	6	2	–	–	7-8	7-8	1200	1	*
Shoeburyness ...	10·0	+6	S'W	4	bc	56	75	49	6	5	–	–	4-6	4-6	1900	0	*
Felixstowe ...	09·4	+2	SSW	5	c	55	85	49	7	5	–	–	7-8	7-8	2500	0	4
Gorleston ...	08·9	+6	WSW	5	bc	54	75	47	7	1	–	–	4-6	4-6	3000	0	
Mildenhall ...	07·8	+6	SW'S	4	c	55	75	47	8	7	–	–	7-8	7-8	2500	0	*
Cranwell ...	05·4	+8	SW	5	bc	52	85	46	7	3	–	2	2-3	2-3	3000	0	*
Birmingham ...	06·1	+16	SSW	3	c	51	85	43	8	5	7	–	4-6	7-8	1500	1	*
Upper Heyford	06·7	+10	SSW	4	bc	51	85	45	8	1	–	–	4-6	4-6	1800	1	*
Ross-on-Wye	06·2	+12	SSW	4	pr	51	85	47	7	9	–	–	9	9	3000	1	*
Hartland Point	05·6	+12	WSW	4	bc	51	92	49	7	8	–	–	4-6	4-6	1500	1	5
Bristol ...	07·9	+10	SSW	3	bc	51	85	46	8	8	3	–	4-6	4-6	2500	1	*
Portland Bill ...	08·8	+8	SW	4	c	52	85	48	7	5	–	–	7-8	7-8	4000	1	5
Plymouth ...	07·9	+8	SW	3	c	52	92	50	6	8	3	–	7-8	7-8	1500	1	3
The Lizard ...	07·1	+2	SW	4	c/pr	50	92	48	8	8	6	–	7-8	7-8	2000	1	4
Scilly (St. Mary's)	05·9	+2	SW'S	5	c/pr	49	85	46	8	8	7	–	4-6	10	1200	1	4
Pembroke ...	04·6	+6	SSW	4	bcq	51	92	49	7	2	4	–	2-3	2-3	2500	1	4
Holyhead (Valley)	02·0	+22	SW	4	bc	52	85	46	8	3	6	–	1	2-3	2500	1	3
Chester (Sealand)	03·1	+16	SW'S	2	pr	51	75	45	7	2	–	–	7-8	7-8	2000	1	*
Manchester ...	03·6	+18	S'W	4	c/pr	49	85	46	7	2	6	3	4-6	7-8	2500	1	*
Spurn Head ...	04·4	+4	SSW	5	c	52	85	47	7	2	3	–	4-6	7-8	2500	0	4
Catterick ...	01·9	+8	SW	4	pr	50	85	46	7	8	6	–	7-8	7-8	2000	1	*
Tynemouth ...	00·9	+4	SSW	5	c	52	85	48	7	2	3	–	4-6	7-8	2500	1	3
St. Abbs Head	99·0	+2	S	3	c/pr	48	97	46	8	5	4	–	7-8	9+	2000	1	2
Leuchars ...	98·6	+12	SSW	2	c	49	85	44	8	8	6	–	7-8	9+	2800	1	*
Renfrew (Abbotsl.)	98·1	+12	SW'W	1	ir	50	85	47	5	5	1	–	4-6	10	2000	1	*
Eskdalemuir ...	99·1	+4	S	2	s/r	45	92	40	8	8	–	–	7-8	7-8	1100	1	*
Point of Ayre...	99·9	+18	W'S	3	c	50	97	50	8	8	7	–	Tr	9	1800	1	2
Tiree	99·9	+24	–	0	bc	52	85	44	8	1	3	5	1	2-3	3500	0	2
Stornoway ...	97·7	+14	SW	3	c	49	92	48	8	2	7	8	4-6	7-8	2500	1	1
Dalwhinnie ...	99·1	+6	N	1	o	41	92	40	7	5	–	–	10	10	1500	1	*
Aberdeen † ...	99·2	+8	SW	3	pr	49	92	47	7	8	–	–	9+	9+	2000	1	2
Wick ...	97·9	+10	S'W	2	bc	50	75	42	9	8	3	2	2-3	4-6	4000	1	*
Sumburgh ..	97·4	+20	SW'S	4	c	48	97	47	7	5	2	–	9+	10	800	0	3
Blacksod Point	00·6	+20	WNW	3	bc	52	85	44	8	8	–	–	4-6	4-6	2500	1	2
Malin Head ...	98·7	+20	W'S	3	r	50	92	45	8	4	2	–	2-3	10	1500	1	2
Aldergrove ...	00·1	+18	SW'W	2	c	48	92	45	8	5	7	2	4-6	9+	1500	1	*
Birr Castle ...	01·7	+14	S	1	c	48	92	47	8	5	–	–	7-8	7-8	2500	1	*
Valentia Obsy.	03·4	+22	W'N	3	bc/pr	51	85	43	8	3	6	1	4-6	4-6	1500	1	3
Roches Point	02·6	+10	SW	3	c/pr	49	92	47	8	3	4	5	2-3	7-8	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 28th Hrs. (38)
London (Kew)	61	52	47	Tr	–	3·8
Croydon ...	62	50	47	0·1	1	9·6
S. Farnborough	62	52	45	Tr	–	10·3
Boscombe Down	60	47	42	Tr	Tr	8·0
Thorney Island	61	52	43	–	Tr	*
Lympne ...	60	48	x	–	–	5·6
Manston ...	61	48	45	0·1	–	7·2
Shoeburyness ...	63	51	45	–	Tr	8·5
Felixstowe ...	64	52	47	–	–	9·1
Gorleston ...	65	49	43	–	–	8·4
Mildenhall ...	65	48	41	Tr	Tr	8·4
Cranwell ...	64	46	41	–	0·1	10·8
Birmingham ...	62	47	43	Tr	2	5·9
Upper Heyford	60	47	45	2	0·3	*
Ross-on-Wye	60	49	45	0·2	7	4·0
Hartland Point	54	48	46	Tr	4	8·4
Bristol ...	61	48	43	1	1	5·7
Portland Bill ...	54	48	*	–	–	*
Plymouth ...	57	51	48	–	0·5	8·7
The Lizard ...	57	49	*	3	1	10·7
Scilly (St. Mary's)	58	48	*	0·5	0·3	3·4
Pembroke ...	54	47	*	0·1	2	8·1
Holyhead (Valley)	57	48	47	Tr	0·3	*
Chester (Sealand)	62	48	43	0·6	1	4·7
Manchester ...	62	48	46	0·4	0·6	*
Spurn Head ...	*		*	Tr	Tr	3·5
Catterick ...	59	45	38	Tr	0·4	5·7
Tynemouth ...	61	47	43	–	0·1	*
St. Abbs Head	60	44	*	1	1	*
Leuchars ...	60	42	41	2	1	8·3
Renfrew (Abbotsl.)	61	47	44	0·1	9	4·7
Eskdalemuir ...	56	43	43	4	15	3·9
Point of Ayre...	64	46	*	–	2	9·3
Tiree	56	44	*	–	–	8·8
Stornoway ...	55	43	*	0·1	–	2·4
Dalwhinnie ...	56	35	26	Tr	0·5	5·4
Aberdeen † ...	61	47	42	0·5	0·1	9·2
Wick ...	53	40	36	0·6	Tr	*
Sumburgh ..	53	48		5	0·5	3·4
Blacksod Point	64	44	*	0·2	7	*
Malin Head ...	56	46		–	1	
Aldergrove ...	59	44	40	4	5	3·2
Birr Castle ...	59	42	37	5	5	3·2
Valentia Obsy.	57	48	43	1	0·4	5·4
Roches Point	56	48	*	0·6	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th May ... 18h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
109	5	02838	45468	87	03735	57667
115				52	62735	20488
203	8-	02846	22586	5-	02846	24426
206	8-	22847	22467	26	01864	24414
210	02	62758	19368	23	01863	55464
220	70	01854	26314	10	01854	25214
230	8-	02956	18486	84	01954	20314
245	96	81755	22486	86	01964	22484
260	52	22646	22466	84	01845	19415
278	27	81855	20387	96	81857	20287
279	37	02754	53525	86	10754	51615
285	23	02743	24714			
288	84	01854	22624	24	01964	55414
575	36	25855	26185	87	10846	06198
301	83	02864	22585	30	00763	20503
321	2-	02846	55586	84	25854	20385
299	8-	02755	20515	40	01753	22413
292	8-	02947	22427			
310	--	01654	24514			
614	27	01754	55424	20	02754	53485

01h. G.M.T. 29th May ... 07h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
109	5-	02747	20427	83	02845	16325
115	52	62735	20488	52	02835	20468
203	80	01844	20424			
206	43	00961	24201	57	02962	24206
210	54	00971	20211	57	02944	20115
220				10	01943	23203
230	44	02865	00015	52	62855	22166
245	54	01764	17115	93	25865	16386
260	52	02755	22418	8-	01864	18365
278	82	81757	16288	87	25745	22387
279	87	01752	40483	8-	02847	20367
285				9-	81637	20587
288	54	25751	18482	53	81745	47487
575	53	02854	00067	51	62856	26267
301	86	81745	16486	9-	02745	22586
321	57	01653	17314			
299	50	02753	20313	50	01753	20302
292	53	00761	14283	80	05655	16215
310				--	01626	24426
614				53	03854	18215

13h. G.M.T. 28th May ... 18h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
333				36	01742	52513
334	--	02646	24417			
340	36	35733	23485	36	01854	20585
136	86	01864	20725	96	01863	18413
336	20	01755	20515	57	15756	20587
350	8-	02854	55627	3-	10745	52585
368	20	01843	55613	3-	25647	22407
379	8-	02947	22687	3-	25944	20494
390	26	05654	55584	20	01854	56514
882	86	25846	52486	86	01854	52584
438	87	14644	22625	74	02764	22445
430	2-	02755	53625	86	02755	51416
409	26	02855	20688	37	25844	51684

01h. G.M.T. 29th May ... 07h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
333	80	02757	18527	24	02855	20465
334				--	02646	24317
340	5-	62768	18368	9-	02857	18467
136	--	00790	17480	50	01844	19415
336				20	25756	20586
350	50	00741	51511	10	01843	51484
368	83	02757	54427	33	01744	19484
379	5-	02806	22586	2-	02846	20426
390	80	05654	18324	8-	05655	17325
882	40	00851	17301	14	00842	20403
438	80	02744	22514	84	02843	22615
430	84	26866	53886	20	02744	20426
409	5-	02746	20586	9	25854	18484

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 whole period
Kew	cpce	cbey	cybc	
Croydon ...	cize	cbc	bcbbc	
Greenwich ...	bey	by	bcpbc	
Camden Square	c	c	*	
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 15h % Yesterday	Humidity 9h % Today
Kew	61	52	47	Tr	–	9·8	*	*
Croydon ...	62	50	47	0·1	1	9·6	*	*
Greenwich ...	64	50	42	–	Tr	10·3	49	60
Westminster ..	63	52	48	0·1			68	87
Regents Park ...	64	51	47	–	Tr		62	79
Camden Square	64	51	44	–	Tr	*	*	69
Kensington ...	64	51	46	–	Tr		50	64
Hampstead ...							*	

SECRET

Page 1 BRITISH SECTION

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

Saturday 30th May 1942

No. 29409

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

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)	09·4	-2	SSW	5	pr	58	65	46	8	8	-	3	7-8	9+	2500
	Croydon	09·4	-2	SW'S	5	c	60	55	44	8	3	-	3	7-8	9	2000
	S. Farnborough	09·1	-6	SW	5	c/pr	60	55	45	9	3	-	3	7-8	9	2000
	Boscombe Down	08·9	+2	SSW	5	c/pr	57	75	47	8	9	-	3	7-8	9	1800
	Thorney Island	10·4	0	SSW	5	c	58	75	50	8	8	-	3	4-6	7-8	2500
	Lympne	12·8	-2	SSW	5	bc	58	75	49	8	2	-	1	4-6	4-6	2500
	Manston	10·8	-2	SW'S	4	bc	59	65	47	7	2	6	1	4-6	4-6	2500
2	Shoeburyness	10·4	-8	SW'S	5	bc	63	55	47	8	3	-	1	4-6	4-6	3200
	Felixstowe	09·9	+2	WSW	3	c/phr	62	65	49	8	3	-	3	7-8	7-8	2000
	Gorleston	09·9	-4	SW	4	tlr.	56	75	49	6	3	-	-	9	9	1500
	Mildenhall	08·8	+6	SW'S	2	bc	57	75	48	8	8	6	1	4-6	4-6	3000
	Cranwell	06·5	-2	SW'S	4	bc	59	55	44	7	2	-	5	4-6	4-6	3000
3	Birmingham	06·5	0	SW	4	c	57	55	42	8	8	7	-	7-8	9	1500
	Upper Heyford	07·6	+2	SW	4	c/pr	53	75	45	8	9	6	3	2-3	9	2000
4	Ross-on-Wye	06·7	0	SW	3	pr	51	92	48	8	3	-	3	7-8	9	3000
5	Hartland Point	05·9	+4	SW	5	c	51	92	48	8	8	4	3	7-8	9	1500
	Bristol	08·0	-2	SW	4	c/pr	54	75	46	7	8	1	-	4-6	9+	1500
	Portland Bill	09·6	+4	SW	4	c	53	85	49	8	5	7	-	4-6	9	4000
	Plymouth	08·5	+2	WSW	4	c/pr	52	85	49	7	5	7	-	4-6	9+	1200
	The Lizard	08·1	+4	SW'W	5	c	55	85	51	8	8	7	-	4-6	7-8	1500
	Scilly (St. Mary's)	07·9	+18	WSW	5	c/r	52	92	50	8	8	6	3	7-8	9+	1200
	Guernsey															
6	Pembroke	05·9	+8	SW	4	c	51	85	47	7	8	6	-	7-8	9	2000
7	Holyhead (Valley)	04·2	+8	SSW	4	bc	57	75	49	8	3	6	3	1	7-8	2000
	Chester (Sealand)	04·9	+6	SSW	2	c	60	55	43	8	2	-	3	9	9+	2500
8	Manchester	05·3	+8	S	3	pr	55	65	44	8	2	6	3	7-8	9	2000
10	Spurn Head	06·7	+6	SW	4	bc	58	75	48	7	2	6	1	4-6	4-6	2500
	Catterick	04·4	+6	WSW	4	bc	61	55	46	8	2	-	3	4-6	4-6	3500
	Tynemouth	02·9	+8	SW	5	c/pr	58	75	48	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	00·9	+10	SW	3	c/r	53	85	47	8	6	4	-	7-8	9	1600
	Leuchars	00·6	+12	W	2	tlr	50	85	46	6	8	6	-	4-6	10	2200
12	Renfrew (Abbots I.)	01·7	+10	W'N	3	c/pr	56	75	46	9	2	1	6	4-6	9+	1200
	Eskdalemuir	01·7	+16	SW	3	c	50	85	45	8	9	-	-	9+	9+	1100
	Point of Ayre	03·6	+12	W'N	4	bc	60	75	51	8	2	4	3	1	2-3	2500
13A	Tiree	03·2	+14	WNW	1	bc	56	65	45	8	2	-	5	2-3	2-3	3500
13B	Stornoway	00·2	+12	WSW	4	c	54	85	50	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	00·1	+10	W	3	c	54	55	47	8	8	1	-	7-8	9+	2500
	Aberdeen	00·4	+6	SSW	2	pr	54	85	49	8	8	-	3	4-6	7-8	2800
	Wick	99·9	+6	SSE	3	bc	55	75	47	9	2	-	8	4-6	4-6	3000
16	Sumburgh	00·4	+12	S'E	3	c	53	85	49	8	8	7	-	4-6	7-8	2000
17	Blacksod Point	03·2	+10	WSW	4	c	55	75	48	8	8	3	-	4-6	9	2500
18	Malin Head	01·9	+14	N'E	1	c	53	65	42	8	2	-	4	2-3	7-8	2500
	Aldergrove	03·1	+14	N	3	pr	52	85	48	8	3	6	1	7-8	9	2800
19	Birr Castle	03·6	+10	NNW	2	c	60	65	49	7	3	-	8	4-6	9	800
20	Valentia Obsy.	07·2	+18	W'S	4	c	56	75	49	8	2	-	3	4-6	7-8	2500
	Roches Point	05·6	+16	NW	3	t	55	75	48	8	3	-	3	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 29th May

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)	09·2	0	SW'S	4	c	56	65	45	8	8	3	3	9	9+	1500	1	*
Croydon	09·6	+2	SW	4	c	56	65	45	8	8	-	3	7-8	9+	2500	1	*
S. Farnborough	09·2	0	SW'S	5	c/pr	55	65	45	9	9	6	3	7-8	9+	2000	1	*
Boscombe Down	09·0	+2	SW	4	c	53	75	46	8	3	6	-	4-6	7-8	2500	1	*
Thorney Island	10·6	+2	SW	5	c	56	75	46	8	8	4	3	4-6	9	1500	1	*
Lympne	12·4	-2	SSW	4	bc	55	75	47	8	3	6	3	1	7-8	3200	1	§3
Manston	11·0	+4	SW'S	3	c/pr	56	65	45	8	3	6	3	1	7-8	3000	1	*
Shoeburyness	10·5	0	SSW	5	c	58	65	47	8	2	-	3	4-6	7-8	1500	0	*
Felixstowe	09·8	0	SSW	5	c	60	65	47	8	2	6	3	2-3	7-8	2500	0	4
Gorleston	10·7	0	S'W	3	bc/pr	55	75	48	7	3	4	-	4-6	4-6	1500	1	4
Mildenhall	08·4	-2	SW'S	3	c	57	75	48	8	8	6	2	7-8	7-8	2000	1	*
Cranwell	06·7	+2	S	3	pr	56	75	47	7	9	6	3	9	9+	2000	0	*
Birmingham	06·4	-2	S	3	c	54	75	47	8	8	7	-	7-8	9	2500	1	*
Upper Heyford	07·7	+8	SW'S	4	c/pr	52	85	48	7	9	9	3	Tr	9	1500	1	*
Ross-on-Wye	06·7	0	SW	3	pr	54	75	46	8	8	-	3	7-8	9+	3000	1	*
Hartland Point	08·5	+14	W	4	c	53	85	50	8	5	-	-	9	9	1500	1	S
Bristol	08·8	+6	SW	3	pr	50	92	47	7	3	-	3	9+	9+	1500	1	*
Portland Bill	10·1	+2	SW	4	c	52	85	48	8	2	-	-	7-8	7-8	4000	1	S
Plymouth	10·2	+10	W	5	c	55	75	47	8	2	-	-	7-8	7-8	2000	1	4
The Lizard	11·3	+20	W'N	5	bc	54	85	49	8	8	4	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	11·4	+14	W'S	4	b	57	85	47	8	8	4	2	2-3	2-3	1200	1	4
Guernsey																	
Pembroke	07·9	+8	WSW	5	bc	52	85	48	8	3	6	-	2-3	4-6	3000	1	3
Holyhead (Valley)	05·4	+10	SW'S	4	c	54	75	48	9	2	6	3	2-3	7-8	3000	1	3
Chester (Sealand)	05·9	+8	N	2	ir.	50	85	47	6	9	-	-	10	10	3000	1	*
Manchester	05·6	+2	S	3	pr	52	85	48	7	9	6	-	9	10	2000	1	*
Spurn Head	06·6	-2	ESE	2	c	53	85	48	7	8	4	2	4-6	7-8	3300	1	3
Catterick	05·4	+4	SW	2	c/pr	55	75	46	8	8	6	-	7-8	7-8	2800	1	*
Tynemouth	04·5	0	WSW	3	bc	60	65	48	7	8	-	-	4-6	4-6	2200	1	3
St. Abbs Head	03·2	+16	-	0	tlr.	51	85	47	8	6	-	-	9	9	1500	1	2
Leuchars	03·0	+18	W	2	pr	51	92	48	7	9	2	-	9	10	1500	1	*
Renfrew (Abbots I.)	03·5	+10	WNW	3	c	59	45	40	9	8	6	6	4-6	9	2000	1	*
Eskdalemuir	04·0	+4	SW	3	pr	50	92	47	8	8	-	-	7-8	7-8	1800	1	*
Point of Ayre	04·6	+4	W	3	bc	56	85	49	8	2	4	3	1	4-6	2000	0	3
Tiree	04·9	+10	WNW	1	bc	54	75	46	8	1	-	5	1	2-3	3500	0	2
Stornoway	02·4	+10	NNE	2	c/pr	50	97	50	8	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	02·5	+10	W	3	bc	52	45	32	8	8	-	5	2-3	4-6	2500	0	*
Aberdeen	02·2	+10	WSW	2	c/pr	52	85	48	8	9	-	3	4-6	7-8	1500	1	2
Wick	01·7	+14	-	0	pr	52	85	49	8	5	2	-	9	9	1200	1	*
Sumburgh	01·5	+8	S'E	2	c	49	97	49	8	5	4	6	1	9	3500	0	2
Blacksod Point	04·8	+10	WNW	1	pr	52	85	48	8	9	-	-	7-8	7-8	1500	1	1
Malin Head	04·0	+10	N	1	bc	52	75	45	8	2	-	4	2-3	4-6	2500	1	1
Aldergrove	04·3	+8	SW'S	2	cjp	54	75	45	8	3	1	3	1	9	2500	1	*
Birr Castle	05·1	+6	W	3	c	56	65	45	8	3	7	-	4-6	7-8	800	1	*
Valentia Obsy.	08·6	+6	W	5	c/r	53	85	49	8	8	-	-	7-8	7-8	1500	1	4
Roches Point	07·4	+10	NW'W	4	c/pr	55	85	51	8	3	-	3	4-6	7-8	1500	1	4

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 29th (39)	13h.—18h. 29th (40)	18h 29th to 1h. 30th (41)	1h.–7h. 30th (42)
London (Kew)	pRtpr.	bcpr.c	ccpr.c	cpr.c
Croydon	cpretcy	cyc	cr.r.b	bbc
S. Farnborough	cprbcvcy	cypr.	cpr.bcb	bbcvc
Boscombe Down	cpr.ph.	cpr.c	cprbc	
Thorney Island	cbcc	cpr.c	cbbc	bcpr.c
Lympne	cbc	bcbbcv	bccpr.	cpr.bc
Manston	cm.bcpr.	bcyq.cpr.⊕	bccyc	cpr.m.b
Shoeburyness	prbcy	bcyc	PRc	bm.bcm.
Felixstowe	bcpr.phc	cbyc	c	cbcb,c
Gorleston	ctlr.z.	ctlpr.	c	cbc
Mildenhall	ctlrbc	bctlhpr.c	cpr.cir.	cm.ccm.
Cranwell	cprbc	bccpr.	cr.r.	cpr.cm.
Birmingham	bcpr.	bcpr.c		cbcb
Upper Heyford	bccpR	cq.prdr	irprc	cm.bcm.
Ross-on-Wye	r.bcpc	pcprc	cpbc	bc
Hartland Point	bccpr	bcc	bcc	crp
Bristol	cprpr.	cpRHtL	cbcpR	cm.pRpr.
Portland Bill	c	c	c	c
Plymouth	ccpr.	cpr.	cpr.cpr	cprc
The Lizard	bcprc	bc	cpr.c	bc
Scilly (St. Mary's)	cir.	cbc	bccir.c	cbcprc
Guernsey				
Pembroke	r.r.c	bc	bccpr	prc
Holyhead (Valley)	bc	bcc	cpr.c	bcbw
Chester (Sealand)	cpr.y	ypr.crr	cprpRm.	cm.bc
Manchester	prtlr.	cpr.	pr.	bcm.
Spurn Head	cprbc	c		crrm.
Catterick	cpr.bc	bccpr.	cbc	cbccbc
Tynemouth	cbccp.	cbc	bc	bc
St. Abbs Head	cpr.ir	cprtlr	crbccbc	cbcb
Leuchars	cpr.plrm.	pr.cpr	cprcm.	cbcm.bc
Renfrew (Abbots I.)	cm.rr pr.c	cprc	bm.	bbcw
Eskdalemuir	cr.prt	ccpr.	cprc	ofwb
Point of Ayre	cbc	bc	cbcbw	bw
Tiree	bc	bc	bc	cbc
Stornoway	c	cpr	cpr	c
Dalwhinnie	pcyocy	cbcy	* *	bcc
Aberdeen	cpr.bc	ctlprbc	bcpr.	cbcw
Wick	bccbc	cpr.	cpr.jpc	·cbc
Sumburgh	cbcc	c	cm.c	cm.id.c
Blacksod Point	c	pr	pr	bc
Malin Head	r	bc	bc	r
Aldergrove	cbccjp	prbcpr.c	cbcbfc	bfgwbfb
Birr Castle	pr	pr	* *	pr
Valentia Obsy.	bc	r	pr	bc
Roches Point	tlr	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 30th May

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light or moderate west wind, backing. Bright intervals, showers and local thunderstorms: cool.
5 S.W. England, 6 South Wales	Light or moderate west wind, backing south, fresh locally. Bright intervals and thundery showers at first; rain to-morrow: 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, 14 Mid Scotland, 15 N.E. Scotland	Light or moderate northwest wind. Bright intervals, showers, local thunderstorms: cool.
16 Orkneys and Shetlands	As 7-15.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	As 5-6.

GENERAL INFERENCE

A depression near Shetland is moving slowly northeast, and another is expected to approach West Ireland to-morrow. There will be bright intervals and showers with local thunderstorms. To-morrow, rain is likely in the West and Southwest.

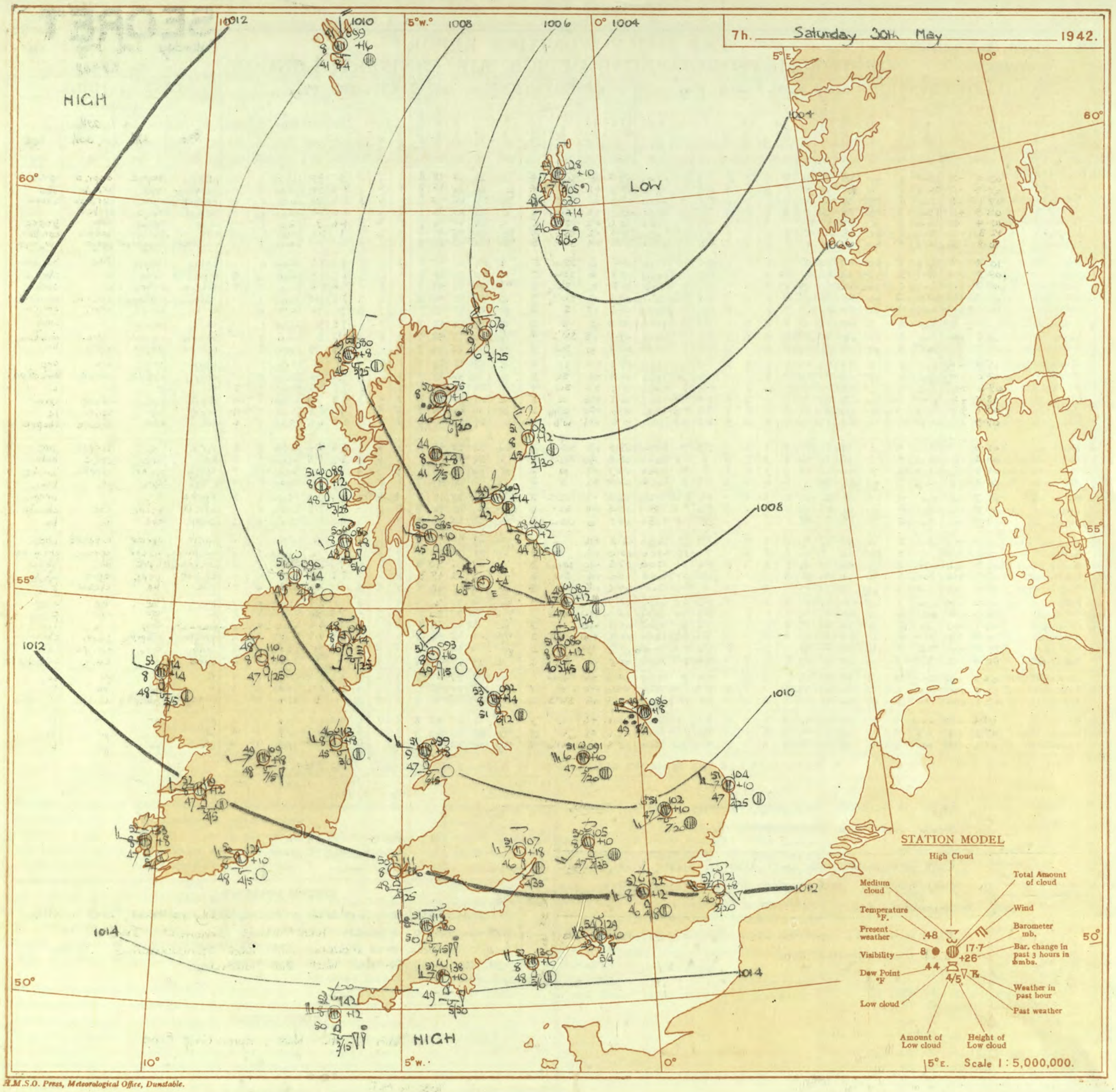
FURTHER OUTLOOK

Rain in the West, spreading 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).

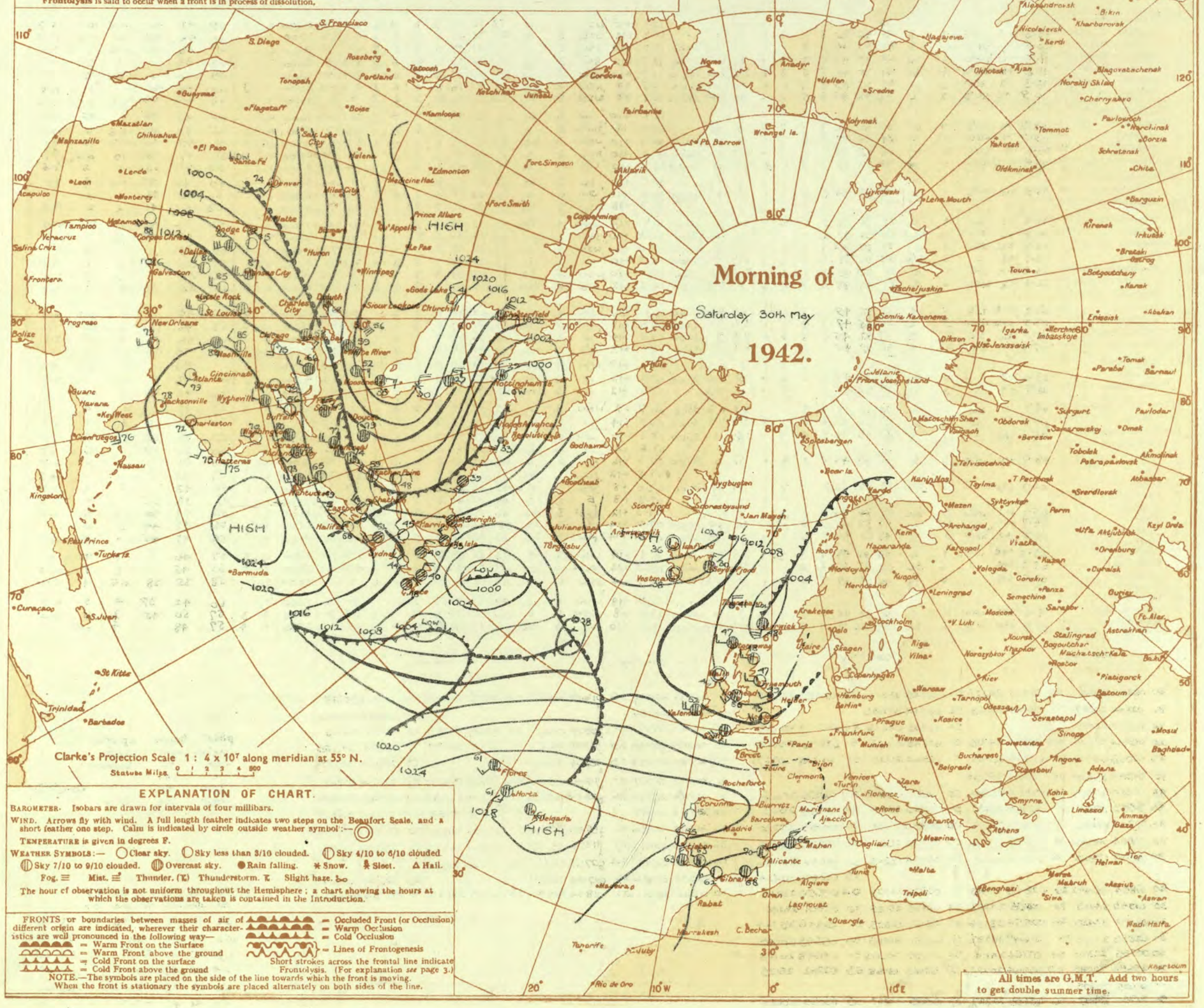
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.



BRITISH SECTION

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

Saturday 30th May 1942

No. 29409

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

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	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon ...	290	10·3	+4	WSW	3	b	49	92	46	8	-	4	1	0	1	-
	S. Farnborough	226	10·9	+6	WSW	4	b	48	92	46	9	5	-	-	1	1	3000
	Boscombe Down	417	11·4	+6	SW'S	3	bc	44	97	44	8	2	6	-	Tr	2-3	2500
	Thorney Island	10	11·6	+6	SW'W	4	bc	51	85	47	8	5	4	1	2-3	2-3	1500
	Lympne ..	283	12·3	-2	SSW	3	pr	40	97	39	8	9	-	-	10	10	1200
	Manston ...	154	10·9	-2	SW'S	2	c	50	92	48	8	5	-	-	9+	9+	2500
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·7	-2	SW'S	4	c	53	85	50	8	-	7	-	0	9+	-
	Gorleston ...	5	09·7	-4	WSW	3	c	51	85	47	7	5	-	-	9	9	1500
	Mildenhall ...	15	08·6	0	SW'S	4	r	50	92	48	7	5	7	-	7-8	10	2000
	Cranwell ...	203	07·4	+2	WSW	3	pr	49	92	47	6	3	6	3	4-6	9+	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·9	+6	SW'S	4	z	47	97	45	6	5	-	-	9	9	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·2	+2	NW	4	c	51	85	48	7	5	6	-	4-6	9+	1500
	Bristol ...	209	10·9	+6	SW	4	c/pr	50	92	47	6	9	-	-	9+	9+	1600
	Portland Bill ...	32	12·3	+12	WSW	4	c	51	92	49	8	2	4	-	4-6	9	4000
	Plymouth ...	82	12·7	+6	W	3	c/pr	54	92	51	8	8	6	-	7-8	9	4000
	The Lizard ...	240	13·0	+4	W'S	5	c	51	92	49	7	8	6	-	7-8	7-8	1500
	Scilly (St.Mary's)	163	12·9	+2	WSW	5	c	51	85	48	8	8	4	3	1	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	09·1	+4	W'S	5	c	51	92	49	8	8	6	-	7-8	9+	2500
7	Holyhead (Valley)	32	06·9	+10	WSW	3	c	50	85	47	8	4	4	1	4-6	8-8	4000
	Chester (Sealand)	16	07·5	+2	S'E	1	c	47	92	45	6	5	6	1	7-8	9	3000
8	Manchester ...	235	07·6	+6	SW	2	c	46	97	45	7	5	3	-	2-3	9	2500
10	Spurn Head ...	29															
	Catterick ...	175	07·0	+8	-	0	bc	47	85	44	7	5	3	-	Tr	4-6	5000
	Tynemouth ...	108	06·5	+4	W	3	bc	47	92	45	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	04·9	-6	SW	2	bc	51	65	42	8	4	-	-	2-3	2-3	2500
	Leuchars ...	36	04·9	+8	W	2	bc	47	92	45	6	5	-	8	7-8	7-8	4000
12	Renfrew (Abbots I.)	19	06·3	+10	W	1	b	42	92	41	8	4	4	-	Tr	1	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	06·4	+10	W'N	3	b	45	97	44	8	3	4	-	Tr	1	5000
13A	Tiree	22															
13B	Stornoway ...	80	06·1	+16	WNW	2	c/pr	47	92	45	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	05·1	+12	WNW	3	bc	48	85	44	9	-	3	-	0	4-6	-
	Wick ...	114	04·7	+14	W	1	c	47	92	45	7	5	-	-	10	10	3000
16	Sumburgh ..	19	01·8	+2	SSW	3	c	48	85	45	7	5	-	-	10	10	1500
17	Blacksod Point	18	09·2	+18	W'N	1	c	49	92	47	8	8	-	-	7-8	7-8	1500
18	Malin Head ...	84	07·2	+14	-	0	bc	46	85	42	8	5	-	-	2-3	2-3	2500
	Aldergrove ...	268	07·5	+14	-	0	fg	40	97	39	7	5	4	-	1	2-3	5700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·4	+14	WNW	4	c	52	85	48	8	8	-	-	9	9	2500
	Roches Point	22	09·8	+10	W'N	3	bc	50	92	48	8	3	-	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	12·1	+10	WSW	3	c	53	75	46	8	8	4	3	7-8	9	2500	1	*
Croydon ...	12·2	+12	WSW	3	bc	52	85	46	8	1	4	3	4-6	7-8	1800	1	*
S. Farnborough	12·2	+10	WSW	3	c	51	85	47	9	7	3	9	9	9+	2000	1	*
Boscombe Down	12·7	+12	SW	3	pr	51	85	47	8	9	6	3	7-8	9	2000	1	*
Thorney Island	12·9	+10	WSW	4	c	54	75	43	8	8	6	-	7-8	9	1500	1	*
Lympne ..	13·7	+4	WSW	2	bc	51	97	50	8	3	6	3	4-6	7-8	2500	1	§3
Manston ...	12·1	+8	WSW	4	b	52	75	46	7	3	6	3	1	1	2000	1	*
Shoeburyness...	12·0	+10	SW	3	bc	53	75	46	6	1	4	-	2-3	2-3	1600	0	*
Felixstowe ...	10·8	+6	SW'W	3	c	53	75	47	7	5	7	-	2-3	9	1500	0	3
Gorleston ...	10·4	+10	WNW	3	bc	51	85	47	7	1	-	-	4-6	4-6	2500	0	2
Mildenhall ...	10·2	+10	SW'W	3	c	51	85	47	6	5	-	-	9+	9+	2000	1	*
Cranwell ...	09·1	+10	W'S	5	z	51	85	47	6	5	3	-	9+	9+	2000	1	*
Birmingham ...	10·7	+10	SW	2	bc	49	92	47	8	2	6	1	1	4-6	4000	1	*
Upper Heyford	10·5	+10	SW	3	c	50	92	47	8	8	9	3	4-6	7-8	3500	1	*
Ross-on-Wye	10·7	+18	WSW	3	bc	51	85	46	7	8	-	3	4-6	4-6	3500	1	*
Hartland Point	11·9	+20	WNW	4	c/pr	51	92	49	7	8	-	-	9	9	1500	1	4
Bristol ...	12·2	+10	SSW	3	pr	49	92	46	7	9	-	-	9+	9+	1500	1	*
Portland Bill ...	13·0	+6	WSW	4	c	52	85	48	8	2	-	-	7-8	7-8	4000	1	4
Plymouth ...	13·8	+10	W	3	c	52	85	49	7	8	3	-	7-8	9	5000	1	3
The Lizard ...	14·5	+10	WSW	5	bc	51	92	49	8	8	6	-	4-6	4-6	2500	1	4
Scilly (St.Mary's)	14·2	+12	W'S	5	c/pr	52	92	50	8	8	4	2	2-3	7-8	1500	1	4
Guernsey ...																	
Pembroke ...	11·1	+16	W'N	4	c	50	92	48	8	8	6	-	4-6	7-8	2500	1	3
Holyhead (Valley)	09·9	+18	W'N	3	c	51	85	47	9	8	-	-	9	9	1500	1	2
Chester (Sealand)	09·5	+14	W	2	bc	53	75	44	8	2	3	-	1	4-6	3000	1	*
Manchester ...	09·5	+12	W'S	1	z	49	92	46	6	5	7	-	2-3	7-8	4000	1	*
Spurn Head ...	08·6	+18	W'N	4	rr	49	92	49	5	-	2	-	10	10	1500	1	3
Catterick ...	08·6	+12	N	2	bc	51	85	46	8	5	3	2	1	4-6	4500	1	*
Tynemouth ...	08·2	+12	W	3	bc	49	92	47	7	2	3	-	4	4-6	2400	1	2
St. Abbs Head	06·7	+2	WNW	3	b	48	85	44	8	5	4	-	1	1	2500	1	3
Leuchars ...	06·9	+14	W	2	bc	49	75	42	8	-	-	6	0	7-8	-	1	*
Renfrew (Abbots I.)	08·5	+10	W'N	1	bc	50	85	45	8	1	-	2	1	4-6	2500	1	*
Eskdalemuir ...	08·6	+4	-	0	bf	41	97	40	2	-	-	1	0	Tr	-	1	*
Point of Ayre...	09·3	+16	NW	3	b	52	92	49	8	1	-	4	Tr	Tr	1500	0	2
Tiree	08·8	+12	N'W	1	bc	51	85	48	8	8	3	-	2-3	4-6	2800	0	
Stornoway ...	08·0	+8	NNE	2	c	49	85	46	8	5	7	-	7-8	9+	2500	1	1
Dalwhinnie ...	07·8	+8	E	1	c	44	85	41	8	5	-	-	9+	9+	2500	1	*
Aberdeen † ...	07·3	+12	NW'N	3	bc	51	75	45	8	4	-	6	1	4-6	3000	1	
Wick ...	07·0	+14	NW	3	bc	48	92	46	9	2	-	8	2-3	7-8	2500	1	*
Sumburgh ..	03·0	+14	NW	3	c	48	92	46	7	5	-	-	10	10	600	1	
Blacksod Point	11·4	+14	WNW	2	c	53	85	49	8	8	-	-	7-8	7-8	2500	0	1
Malin Head ...	09·0	+14	NW'N	3	c	51	75	44	8	5	6	-	4-6	7-8	1500	1	2
Aldergrove ...	09·9	+14	SSW	1	b	48	92	46	8	8	-	1	Tr	1	2500	1	*
Birr Castle ...	10·9	+18	WSW	1	c	49	97	49	7	5	-	-	9+	9+	2500	1	*
Valentia Obsy.	13·3	+8	WNW	3	c	52	85	48	8	2	-	6	7-8	9+	1500	1	3
Roches Point	12·2	+10	W	3	bc	50	92	48	8	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
London (Kew)	59	48	40	0·5	0·1	7·7
Croydon ...	61	46	44	Tr	0·4	10·8
S. Farnborough	61	46	42	0·5	1	9·1
Boscombe Down	59	43		3	2	
Thorney Island	59	50	*	Tr	Tr	*
Lympne ..	60	45	42	-	1	10·6
Manston ...	63	46	44	0·1	0·1	11·6
Shoeburyness...	65	49	44	1	Tr	11·7
Felixstowe ...	65	49	46	0·3	-	12·5
Gorleston ...	61	49	45	0·2	Tr	7·1
Mildenhall ...	62	47	45	10	0·5	8·1
Cranwell ...	62	45	33	1	2	7·5
Birmingham ...	60	45	43	0·4	4	7·1
Upper Heyford	60	46	43	1	1	*
Ross-on-Wye	58	47	41	2	2	4·3
Hartland Point	53	50	48	1	Tr	6·4
Bristol ...	57	47	45	20	7	5·7
Portland Bill ...	53	49	*	-	-	*
Plymouth ...	55	50	45	2	1	4·5
The Lizard ...	56	49	*	3	Tr	7·5
Scilly (St.Mary's)	57	55	53	4	1	8·1
Guernsey ...						
Pembroke ...	53	44	*	1	0·1	6·3
Holyhead (Valley)	58	46	35	-	Tr	*
Chester (Sealand)	60	46	36	4	5	3·1
Manchester ...	56	44	40	0·4	2	*
Spurn Head ...		43	*	4	7	8·0
Catterick ...	61	43	35	0·4	-	7·8
Tynemouth ...	60	45	43	Tr	-	*
St. Abbs Head	57	47	*	4	4	
Leuchars ...	56	44	39	3	1	0·9
Renfrew (Abbots I.)	59	38	33	3	Tr	3·0
Eskdalemuir ...	50	36	37	5	Tr	1·7
Point of Ayre...	63	42	*	-	-	4·5
Tiree	57	45	*	-	-	14·8
Stornoway ...	58	42	*	5	1	1·7
Dalwhinnie ...	57	33	25	-	-	5·3
Aberdeen † ...	55	44	40	4	Tr	4·6
Wick ...	56	45	44	3	0·3	*
Sumburgh ..	54	47	45	-	Tr	4·5
Blacksod Point	57	46	*	1	Tr	*
Malin Head ...	53	45		2	1	10·5
Aldergrove ...	58	35	28	0·5	1	4·4
Birr Castle ...	60	42	37	4	5	6·9
Valentia Obsy.	57	50	45	2	3	9·0
Roches Point	57	48	*	4	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 29th May ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	80	02864	17315	87	02855	20327
115	52	02844	20367	--	46209	20269
203	74	01953	20415			
206	20	01964	24125	20	01964	24225
210	23	02963	04226	8-	01964	26185
220	10	01954	26304	10	01944	24304
230	83	02955	24385	10	01964	26314
245	86	81755	17316	97	62764	23188
260	9-	25746	18386	97	25854	22185
278	36	02854	24326	38	01953	22324
279	90	02965	19425	36	01964	22515
285						
288	84	01854	55452	29	02853	19415
575	30	01953	24213	31	02855	24227
301	26	02852	22425	26	02854	28186
321	30	02855	21425	5-	91647	18297
299	50	02755	22325	54	02754	24114
292	26	25654	22285	89	05664	20227
310	--	81625	20395			
614	9-	81754	20397	56	05655	22227

01h. G.M.T. 30th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	3-	01845	25315	88	02845	27485
115	52	02744	32246			
203	5-	61838	08368	84	01944	32325
206	5-	62858	00028	8-	61856	00066
210	5-	02964	21228	51	62744	20367
220						
230	50	00851	00002	8-	02855	20116
245	5-	01865	25115	84	01962	20115
260	00	00890	12181	00	00790	20020
278	00	00890	26211	83	02874	24105
279	80	05554	18315	6-	41636	28146
285				23	01744	30414
288	5-	02776	22226	04	05690	23215
575	54	02865	28125	20	00851	28101
301	46	01863	22325	2-	02846	28226
321	51	61451	61455	56	05653	00025
299	50	02755	00065	5-	64648	26168
292	57	62663	18168	53	02762	25125
310						
614	37	81575	22267	55	05555	22226

13h. G.M.T. 29th May ..... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	3-	02853	20426	26	01642	19315
334	--	61645	24386			
340	86	25865	18386	5-	10977	17187
136	36	25855	18465	83	02855	18486
336	57	02755	20428	23	25754	24485
350	3-	82657	18567	8-	81846	19386
368	9-	10744	2038-	36	02854	55486
379	30	25944	20585			
390	36	01654	20434	86	25755	19386
382	36	81845	20427	87	81856	55487
438	14	01882	21513	84	02753	22515
430	2-	02855	53526	26	02754	51525
409	30	01844	20584	2-	01854	24524

01h. G.M.T. 30th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	04	01890	24214	24	01844	22314
334				--	02643	24215
340	50	01965	20185	13	00861	23213
136	5-	02847	20397	53	02744	24365
336				13	25764	24385
350	46	05664	21385	87	02734	10948
368	80	25745	23485	83	81745	22486
379	5-	02748	20488	57	02834	20325
390	5-	25557	16267	53	05634	23314
382	46	01861	22283	56	25864	21286
438	5-	14625	22585			
430				87	02754	22426
409	13	01753	23523	8-	02734	56587

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 <0·1 whole period Min. Time
Kew ...	pRcpr6	bcpr6c	cpr6cp6c	
Croydon	cprcfcy	cyc	cr6r6bc	
Greenwich ...	ccp	cp	bccpbc⊕	
Camden Square	c	c	*	
Kensington ...	bcp	bc	*	
Hampstead ...	bcp	bc	bcp	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	59	48	40	0·5	0·1	7·7	*	*
Croydon	61	46	44	Tr	0·4	10·8	*	*
Greenwich ...	62	46	39	0·5	0·3	7·7	53	62
Westminster ...	62	47	45	2·1			77	82
Regents Park .	63	47	46	Tr	Tr	*	62	69
Camden Square	64	48	43	0·3	-	*	*	62
Kensington ...	64	47	43	0·3	0·2	*	63	61
Hampstead ...	60	44	43	0·5	Tr	*	*	71

Page 1 **BRITISH SECTION**

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

SECRET

Sunday 31st May 1942

No. 29,410

OBSERVATIONS at 13h. G.M.T. 30th May

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)	13.0	+6	NE'N	3	c	59	55	44	8	8	3	3	4-6	7-8	2500
	Croydon	13.5	+10	WSW	4	bc/pr	56	45	39	8	9	6	3	2-3	4-6	2000
	S. Farnborough	13.4	+6	WSW	4	pr	61	55	44	9	3	6	3	7-8	9	3000
	Boscombe Down	14.2	+10	WSW	4	pr	59	75	47	8	9	6	3	7-8	9	2000
	Thorney Island	14.7	+10	WSW	4	pr	55	85	50	8	8	8	·	7-8	7-8	1500
	Lympne	14.9	+6	SW	3	PR	53	92	51	8	3	-	3	9	9+	2000
	Manston	13.3	+6	SW'W	4	c/pr	59	65	48	8	3	-	3	7-8	7-8	2800
2	Shoeburyness	13.1	+6	SW'W	4	pr	57	65	47	9	3	-	3	7-8	7-8	2200
	Felixstowe	12.0	+4	WNW	4	c/tlr	59	65	49	7	9	-	-	9+	9+	2000
	Gorleston	12.2	+10	NW'W	3	pr	59	85	54	7	8	·	-	7-8	7-8	2500
	Mildenhall	11.9	+10	SW'W	2	pr	53	85	47	8	8	6	3	4-6	7-8	2000
	Cranwell	10.8	+8	NW	5	p/tlr	55	65	43	6	3	-	-	9+	9+	2500
3	Birmingham	12.1	+8	SW	2	c/pr	57	65	45	8	8	·	-	9	9	2500
	Upper Heyford	11.6	+4	SW'W	4	bc	61	55	43	8	8	·	-	4-6	4-6	3100
4	Ross-on-Wye	12.5	+10	E	1	c/pr	55	85	50	8	3	-	·	9	9	3000
5	Hartland Point	14.8	+12	W	4	bc	55	80	50	8	2	6	6	2-3	4-6	2000
	Bristol	14.4	+10	W	5	bc	58	75	50	8	2	6	·	1	2-3	2500
	Portland Bill	15.8	+12	WSW	4	c	53	85	49	8	2	4	-	4-6	9	4000
	Plymouth	15.8	+10	W'S	4	c	56	85	51	8	5	-	6	4-6	9	2500
	The Lizard	16.5	+10	SW	4	bc	56	92	54	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	15.9	+4	SW	3	c	58	85	52	7	2	3	5	2-3	7-8	1500
	Guernsey															
6	Pembroke	16.3	+30	W'S	4	c	53	97	50	8	2	4	-	4-6	7-8	2500
7	Holyhead (Valley)	12.7	+14	W'N	3	bc	57	75	47	8	2	-	5	1	2-3	2500
	Chester (Sealand)	12.1	+14	NW	4	b	59	55	44	5	2	-	·	1	1	3000
8	Manchester	11.1	+8	WNW	4	c	59	65	47	6	2	6	-	7-8	7-8	2500
10	Spurn Head	10.0	+6	NW	2	c	59	65	47	7	2	6	1	4-6	7-8	1500
	Catterick	09.7	+6	NNW	2	bc	63	45	42	8	3	-	·	4-6	4-6	4500
	Tynemouth	10.4	+10	E	2	bc	59	85	52	7	2	3	-	2-3	4-6	2400
11	St. Abbs Head	09.9	+16	NNE	2	bc	52	85	46	8	2	-	·	2-3	2-3	2500
	Leuchars	08.3	0	SE	3	c	58	65	46	9	2	-	4	4-6	7-8	3500
12	Renfrew (Abbots I.)	09.6	+6	NW'W	3	c/pr	59	65	47	8	8	6	2	9	9+	1800
	Eskdalemuir	09.4	+8	WSW	4	c	56	55	41	8	8	-	1	7-8	7-8	2500
	Point of Ayre	11.5	+10	NW	3	b	58	75	49	8	1	6	·	Tr	1	3500
13A	Tiree	10.6	+8	NW'N	2	bc	54	75	46	8	1	-	-	2-3	2-3	3500
13B	Stornoway	10.3	+10	NNE	4	pr	48	92	46	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	09.3	+8	SSW	1	in	49	85	45	7	5	-	-	9+	9+	2000
	Aberdeen	09.6	+12	E'S	2	c/pr	50	87	49	8	2	·	6	9	9	2300
	Wick	09.3	+10	NNW	3	bc	52	65	42	9	2	-	8	4-6	4-6	2500
16	Sumburgh	06.8	+20	NNW	4	c	50	85	47	8	8	3	·	7-8	9+	1800
17	Blacksod Point	13.3	+6	W'N	3	c	55	75	47	9	8	-	6	4-6	7-8	2500
18	Malin Head	11.2	+10	WNW	2	in	52	75	45	8	5	2	·	2-3	9+	1500
	Aldergrove	11.3	+8	N'E	1	c/pr	53	85	50	9	3	-	-	9	9	2000
19	Birr Castle	12.4	+2	N	1	c	59	65	47	8	8	2	·	7-8	10	1500
20	Valentia Obsy.	14.5	+6	W'N	3	c	55	75	47	9	1	7	·	1	9+	2500
	Roches Point	13.7	+2	SW	3	c	55	85	50	9	8	-	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 30th May

Stations	Barom. at M.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)
London (Kew)	13.1	0	WSW	3	c	61	55	44	8	8	-	6	4-6	7-8	1500
Croydon	13.4	0	SW'W	3	c	60	65	48	8	3	6	2	4-6	9	2000
S. Farnborough	13.2	+2	W	4	c	61	45	41	9	3	6	3	2-3	7-8	3500
Boscombe Down	14.0	-2	WNW	4	c	58	55	44	8	2	-	6	2-3	9	3000
Thorney Island	14.6	-2	WSW	5	c	56	75	47	8	8	6	6	Tr	9	2500
Lympne	15.3	+2	WSW	4	c	55	75	49	8	9	6	·	7-8	7-8	4000
Manston	13.6	+4	SW'W	3	bc	57	75	48	8	9	6	3	1	2-3	3000
Shoeburyness	13.3	0	SW'W	3	bc	61	65	48	8	2	3	1	2-3	4-6	3500
Felixstowe	12.3	0	S'W	2	c	57	85	51	7	9	·	·	7-8	7-8	2000
Gorleston	12.8	-2	WNW	3	c	60	65	49	7	8	7	-	4-6	7-8	2200
Mildenhall	12.4	+4	NE'E	1	bc	60	65	45	8	8	6	1	4-6	4-6	2500
Cranwell	11.0	-4	SW'W	2	c	58	65	48	6	8	·	·	7-8	7-8	2500
Birmingham	12.1	0	NW	3	c	59	55	43	8	8	7	·	7-8	7-8	2500
Upper Heyford	12.5	+2	SW'W	3	c	57	75	48	8	8	6	6	4-6	7-8	4500
Ross-on-Wye	12.7	0	W'S	3	c	58	65	47	8	8	-	7	2-3	2-3	3000
Hartland Point	14.2	-4	W	3	c	54	85	49	7	5	-	·	7-8	9	2000
Bristol	14.5	-2	W'S	4	c	55	75	47	8	8	6	6	Tr	9	2500
Portland Bill	14.7	-6	SW	4	c	52	85	45	8	5	-	·	10	10	4000
Plymouth	15.2	-2	WSW	4	c	53	92	51	6	7	7	-	9	9+	1400
The Lizard	14.8	-8	SW	2	pr	53	92	51	8	8	2	-	7-8	9+	2500
Scilly (St. Mary's)	14.3	-14	W'N	1	c	54	85	49	8	8	7	-	4-6	9+	1200
Guernsey															
Pembroke	13.8	-2	WSW	3	c	52	92	50	7	5	1	-	4-6	7-8	2500
Holyhead (Valley)	12.5	0	WSW	3	c	53	75	46	9	5	-	7	2-3	10	4000
Chester (Sealand)	12.3	0	NW'N	1	c	57	65	45	8	2	8	5	7-8	9	4000
Manchester	11.7	+2	NW'W	3	bc	59	55	42	8	2	6	1	2-3	4-6	2500
Spurn Head	11.0	0	SSE	3	bc	58	85	48	7	3	3	2	4-6	4-6	2500
Catterick	10.4	+6	W	3	bc	60	55	45	8	5	3	1	4-6	4-6	3500
Tynemouth	10.5	+2	SE	2	bc	52	92	49	7	2	3	1	2-3	4-6	2400
St. Abbs Head	09.6	+2	NE	2	c/tlr	51	92	49	7	9	·	·	10	10	2000
Leuchars	09.8	+6	ENE	2	c	51	92	49	8	5	3	3	4-6	9	1000
Renfrew (Abbots I.)	10.1	+4	NW'W	3	c	56	65	42	9	1	7	2	4-6	7-8	3000
Eskdalemuir	09.5	0	S'W	3	pr	53	85	49	8	8	-	·	7-8	7-8	2200
Point of Ayre	11.8	0	WNW	4	c	54	92	52	8	-	7	4	0	9	·
Tiree	11.9	+6	NW'N	4	bc	49	85	45	8	8	-	·	4-6	4-6	2800
Stornoway	11.0	+2	N	4	c	49	85	45	8	5	7	·	7-8	9+	2500
Dalwhinnie	10.4	0	NE	3	c	51	66	41	8	8	-	2	4-6	9	2500
Aberdeen	10.4	-2	-	0	rc	49	85	45	8	5	7	·	1	9+	1800
Wick	10.1	+4	NNW	3	c	52	75	44	9	8	3	·	4-6	7-8	2500
Sumburgh	08.4	+10	NNW	4	c	50	85	45	8	8	3	-	4-6	7-8	2500
Blacksod Point	13.8	+2	WNW	3	c	54	75	46	9	8	3	-	4-6	7-8	2500
Malin Head	12.3	+6	NNE	3	bc	51	75	43	8	4	4	-	2-3	4-6	2500
Aldergrove	11.8	+2	NNW	1	c/pr	55	65	45	8	3	2	6	4-6	9+	2500
Birr Castle	12.5	+2	WSW	1	c	57	65	45	7	8	-	8	7-8	10	1500
Valentia Obsy.	14.8	+2	W'N	3	bc	56	70	48	9	7	·	-	2-3	2-3	1500
Roches Point	13.1	-6	WNW	4	c	56	85	51	8	8	1	-	7-8	9	1500

PAST 24 HOURS.

Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 30th (39)	13h.—18h. 30th (40)	18h. 30th to 1h. 31st (41)	1h.—7h. 31st (42)
London (Kew)	1	*	PRhpr	bcebc	bc	bcw
Croydon	1	*	bc,cpr	bcpr	ccm	cm w bc
S. Farnborough	1	*	bc) prph	c	c	cwbbc
Boscombe Down	1	*	cpr	c	c	bm bcm
Thorney Island	1	*	cpger	prcjp	ccm	m ibc
Lympne	1	5	bcepr	bceo	bccdm	rrm
Manston	1	*	tlhpr	bcpr	b bc cm	cm
Shoeburyness	0	*	prcv	bcytr bc	bccm	cm
Felixstowe	1	*	cctlrh	ctlrcir	c	cm
Gorleston	1	3	ctlpr	ctlpr	c	bccm
Mildenhall	0	*	ctlrcpr	cpr tbc	ccm	cmwc
Cranwell	0	*	bcmbcbtr	bcmcz	cz	cm idgm
Birmingham	1	*	bcpr	cprbc	bcpr	bccz
Upper Heyford	0	*	bcc	bcprc	bcc	cbc
Ross-on-Wye	1	*	RbcRP	Pcr bc	bcc	bcc
Hartland Point	0	3	cbc	bcc	cbc	bcc
Bristol	1	*	cbc	bcc	ccm	bm w,c
Portland Bill	1	4	c	c	c	bc
Plymouth	1	4	cbcc	c	cirb	bimcm
The Lizard	1	4	bc	rr	cbbcw	cbcw
Scilly (St. Mary's)	1	3	c	cpc	cbbcw	bcc wbc
Guernsey						
Pembroke	1	2	cbc	c	bcw	bc
Holyhead (Valley)	0	2	qcbcb	bbcc	crrirm	crrc
Chester (Sealand)	1	*	bcby	bcyc	cm	crrim
Manchester	0	*	bcm	bcy	cm	crm
Spurn Head	0	2	c	c	c	cz
Catterick	0	*	bc bcy	bcy	bcye	ccirc
Tynemouth	0	2	bc	bc	bcc	cbc
St. Abbs Head	1	3	bbc	cbcrtlrb	bcc	cmo
Leuchars	1	*	bcc	PRprc	cprbcm	cirmpr
Renfrew (Abbots I.)	1	*	cprc	cprbcy	cbcw	bcwcpr
Eskdalemuir	1	*	bbcgy	bccpr	cpirc	cbc
Point of Ayre	0	2	b	bbcc	c	cbcb
Tiree	0	4	bc	bcc	cpr	bc
Stornoway	1	-1	cpr	cpr	crr	cbc
Dalwhinnie	1		cir	cpr		cirp
Aberdeen	1		bccpr	crr	cirr	crrr
Wick	1	*	cprcbc	bc	cbcc	bcc
Sumburgh	0	3	c	prcbc	bcprbc	cirrcbc
Blacksod Point	0	2	c	bc	bc	bc
Malin Head	1	1	r	r	bc	pr
Aldergrove	1	*	cprPRc	ccprc	prbcfg	bwbcw
Birr Castle	1	*	c	c	*	bc
Valentia Obsy.	1	3	c	bc	bc	bc
Roches Point	1	4	bc	pr	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 31st May 1942

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light or moderate northwest wind; cloudy; occasional rain; local thunder; cool.
4 W. Midlands	As 6-8.
5 S.W. England	Light or moderate northwest wind; bright intervals; occasional showers; cool.
6 South Wales, 7 North Wales, 8 N.W. England	Light or moderate northwest wind; bright intervals; occasional showers; local thunder; cool.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	As 1-3.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	As 6-8.
15 N.E. Scotland	As 16.
16 Orkneys and Shetlands	Light or moderate northerly wind; bright intervals; showers; rather cold.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	As 6-8.

GENERAL INFERENCE

A ridge of high pressure to westward is spreading in slowly over the British Isles and minor troughs of low pressure are moving slowly south over East England and Scotland respectively. There will be occasional rain in the East and showers and bright intervals in the West. Local thunder will occur in the North and East. Temperature will be rather low generally

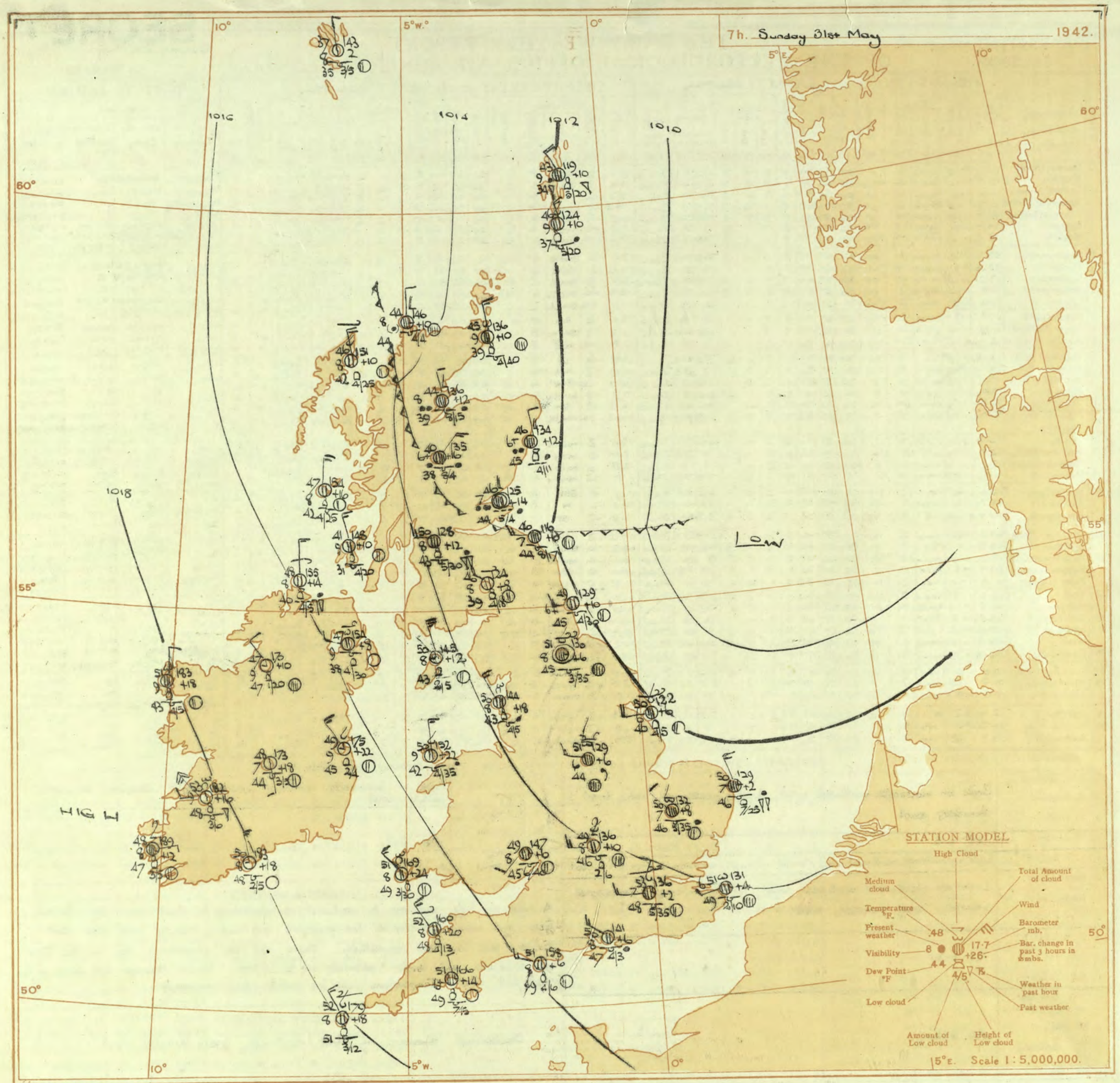
FURTHER OUTLOOK

Occasional showers in most districts, local thunder, cool.

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).

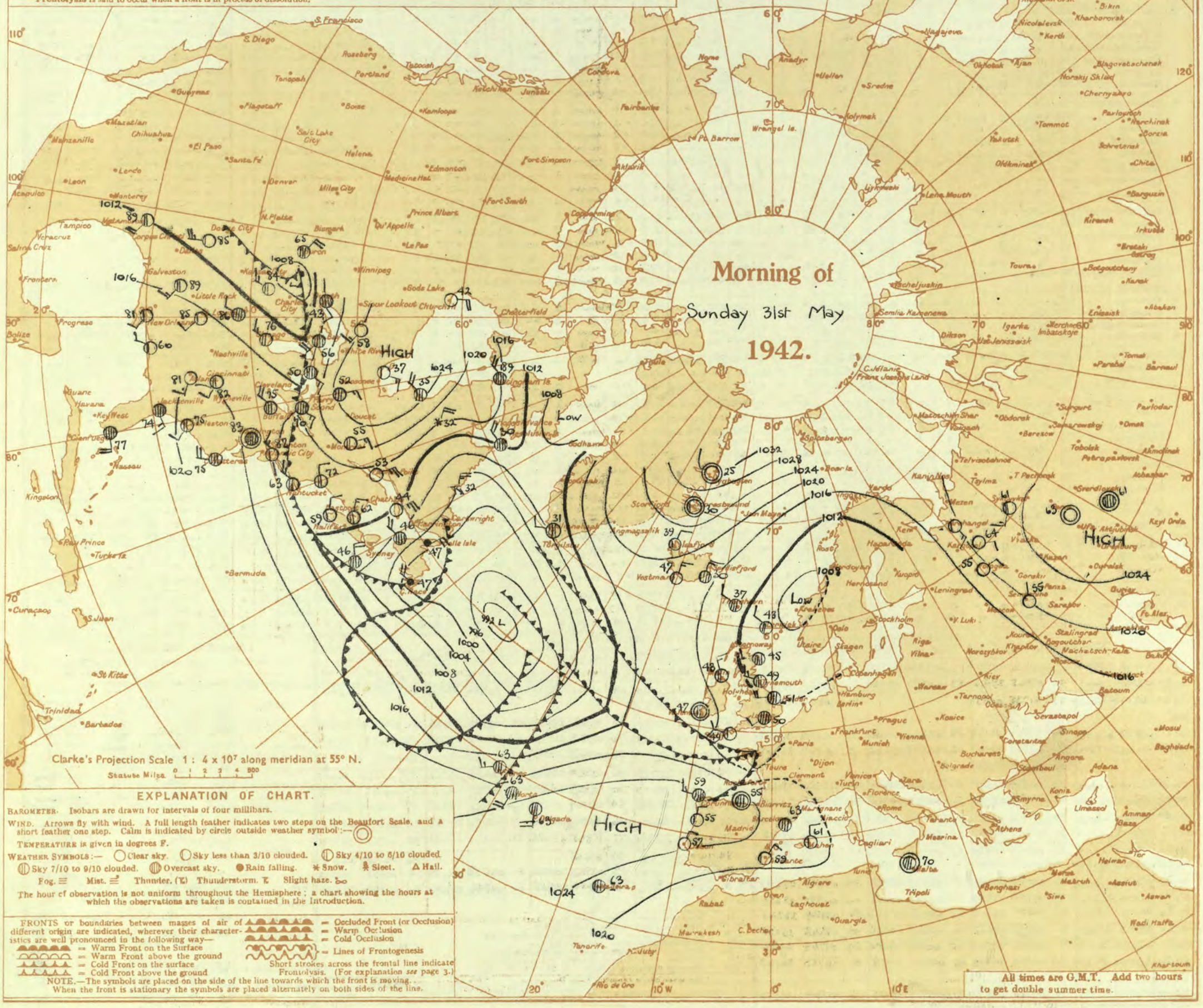
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. 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.

Sunday 31st May 1942

No. 29410

OBSERVATIONS at 1 hr. G.M.T. 31st May

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	13.7	-4	SW	1	c	50	92	48	6	5	-	7	7-8	10	3500
	S. Farnborough	226	13.3	-6	WSW	2	c	51	85	46	8	5	1	-	4-6	9+	2000
	Boscombe Down	417	14.3	-4	W'N	2	c	47	92	45	8	5	7	6	Tr	7-8	4000
	Thorney Island	10	14.0	-6	WSW	2	c	52	92	50	6	6	-	-	4-6	10	1100
	Lympne	283	15.4	-4	SW	2	z	49	97	49	6	5	7	7	2-3	2-3	1500
	Manston	154	13.9	-8	SW'W	1	z	50	92	49	6	5	9	-	Tr	10	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13.2	-2	SW	3	c	54	92	52	7	-	7	-	0	9+	-
	Gorleston	5	13.4	0	W	2	c	51	92	48	7	3	-	-	0	9	2500
	Mildenhall	15	12.6	-4	SW'W	2	z	50	92	47	6	5	7	7	2-3	10	3500
	Cranwell	203	12.4	-2	WNW	3	z	51	75	43	6	5	-	-	7-8	7-8	4500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12.8	-2	SW	2	c	48	92	46	7	5	1	-	2-3	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.2	-4	W	3	bc	50	85	48	7	2	-	-	4-6	4-6	1500
	Bristol	209	14.6	-4	WSW	1	z	48	97	47	6	5	7	-	1	2-3	1500
	Portland Bill	32	15.1	+2	W	3	c	51	92	47	7	5	-	-	10	10	2500
	Plymouth	82	15.0	-2	-	0	b	49	92	48	7	-	5	-	0	1	-
	The Lizard	240	15.7	+4	NW'N	2	bc	48	97	48	8	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	15.8	+4	WNW	2	bc	49	97	48	8	1	4	2	Tr	2-3	1500
	Guernsey	175															
6	Pembroke	142	14.1	-6	W	4	bc	50	97	49	8	4	6	-	2-3	4-6	4000
7	Holyhead (Valley)	32	12.6	+2	W	3	rr	50	92	49	8	5	7	-	7-8	10	2500
	Chester (Sealand)	16	13.2	0	W	1	c	51	85	45	6	5	-	7	Tr	10	4000
8	Manchester	235	12.9	-2	-	0	z	47	92	45	6	-	7	7	0	10	-
10	Spurn Head	29	11.9	+6	W'N	4	c	51	75	42	7	7	4	2	4-6	7-8	2500
	Catterick	175	12.3	+2	-	0	c	47	85	43	8	-	3	2	0	9+	-
	Tynemouth	108	11.8	0	NW	3	c	49	92	46	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	10.5	0	WNW	2	c	47	92	45	7	5	4	-	4-6	7-8	2500
	Leuchars	36	10.6	-2	-	0	z	47	97	46	6	5	-	-	10	10	1100
12	Renfrew (Abbots I.)	19	11.5	0	W	1	c	45	92	43	8	5	4	6	2-3	7-8	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12.8	+2	N'W	4	c	49	92	47	8	8	2	-	7-8	9+	2800
13A	Tiree	22	13.1	+4	NW'N	1	c/pr	46	97	44	8	8	-	-	9	9	1500
13B	Stornoway	80	13.9	+12	NNW	3	c/r	43	97	43	8	5	7	-	4-6	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11.6	+2	WSW	1	c/r	45	92	43	8	5	7	-	4-6	10	3000
	Wick	114	12.6	+6	N'W	2	c	44	85	38	8	5	3	-	7-8	7-8	4000
16	Sumburgh	19	10.9	+6	N'W	2	bc	43	92	41	8	8	-	-	4-6	4-6	2500
17	Blacksod Point	18	16.1	+6	N	2	c	47	85	43	8	8	3	-	4-6	7-8	2500
18	Malin Head	84	13.9	+4	NNW	3	bc	48	65	37	8	4	4	-	2-3	4-6	2500
	Aldergrove	268	14.0	+4	NW'W	1	bc	41	97	40	8	5	4	-	2-3	4-6	4500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.2	+10	-	0	bc	47	92	45	9	2	-	-	2-3	2-3	1500
	Roches Point	22	15.7	+6	N	4	b	49	92	47	8	5	-	-	1	1	4000

OBSERVATIONS at 7 hr. G.M.T. 31st May

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14.0	+10	NW'W	2	bc	53	85	48	7	8	3	-	4-6	4-6	4000	1	*
Croydon	13.6	+2	WNW	3	c	53	85	47	7	5	4	2	7-8	9+	3500	1	*
S. Farnborough	14.0	+10	W'N	3	bc	52	75	45	9	1	-	9	2-3	2-3	4000	1	*
Boscombe Down	15.1	+10	NW'W	3	bc	51	85	45	8	5	3	-	2-3	7-8	800	1	*
Thorney Island	14.1	+6	NW'W	3	bc	50	85	47	8	5	-	-	4-6	4-6	800	1	*
Lympne	14.0	+2	W	1	z	51	92	49	6	5	3	-	2-3	7-8	500	1	§
Manston	13.1	+4	WSW	1	z	51	92	49	6	5	3	-	1	9+	1000	1	*
Shoeburyness	13.5	+4	WNW	2	c	53	85	47	6	-	3	2	0	7-8	-	0	*
Felixstowe	12.6	+2	NW'N	3	z	52	85	47	6	5	1	-	4-6	9+	4000	0	2
Gorleston	12.9	+2	NNW	3	c/pr	50	85	46	7	7	-	-	9+	9+	2500	0	2
Mildenhall	13.2	+8	NW'W	2	c/r	50	85	46	7	5	7	-	7-8	10	3500	1	*
Cranwell	12.[illegible]	+6	WNW	3	c/d	51	75	44	6	-	7	7	0	10	-	0	*
Birmingham	14.5	+10	W	2	z	49	92	47	6	5	7	-	9+	10	2500	1	*
Upper Heyford	13.6	+10	WNW	3	bc	49	85	45	8	7	4	6	1	4-6	4000	0	*
Ross-on-Wye	14.7	+6	SW'S	2	c	49	85	46	8	5	-	-	9	9	4000	1	*
Hartland Point	16.0	+20	NW	3	bc	52	85	48	8	2	-	1	4-6	4-6	1300	0	3
Bristol	15.8	+14	NW	3	c	50	85	46	7	5	3	-	4-6	9	1200	1	*
Portland Bill	15.8	+6	WNW	3	bc	51	92	49	8	2	-	-	4-6	4-6	4000	1	3
Plymouth	16.6	+14	NNW	1	z	51	92	49	6	8	-	-	9+	9+	1500	1	2
The Lizard	17.2	+10	NW	3	bc	51	97	51	8	8	6	-	4-6	4-6	2000	1	3
Scilly (St. Mary's)	17.9	+18	NW'N	3	bc	52	97	51	8	8	4	5	2-3	4-6	1200	1	2
Guernsey																	
Pembroke	16.9	+24	NW	3	bc	51	92	48	8	2	6	-	2-3	4-6	3000	1	2
Holyhead (Valley)	15.2	+22	N	3	bc	50	75	42	9	5	4	-	4-6	4-6	3500	1	2
Chester (Sealand)	14.7	+18	NW	4	c/pr	49	85	44	8	9	-	-	9+	9+	4000	1	*
Manchester	13.8	+14	W'S	2	rr	47	92	46	4	5	2	-	7-8	10	1500	1	*
Spurn Head	12.2	+6	W'S	4	z	50	85	46	6	1	4	2	4-6	7-8	2500	0	3
Catterick	13.0	+6	-	0	c	51	85	45	8	5	4	2	2-3	9	3500	1	*
Tynemouth	12.9	+10	W	3	z	49	85	45	6	5	-	-	4-6	4-6	3000	0	2
St. Abbs Head	11.6	+6	WNW	3	o	46	92	44	7	5	-	-	10	10	1700	1	3
Leuchars	12.5	+14	-	0	rr	46	92	44	7	6	2	-	7-8	10	1000	1	*
Renfrew (Abbots I.)	12.8	+12	WNW	3	c/pr	50	75	43	8	8	-	-	7-8	7-8	3000	1	*
Eskdalemuir	12.4	+8	NW'W	4	bc	46	75	39	8	2	-	1	4-6	4-6	1800	1	*
Point of Ayre	14.5	+12	NNW	5	b	50	85	48	8	1	-	-	1	1	2500	0	4
Tiree	10.4	+16	N	3	bc	47	85	42	8	8	-	-	4-6	4-6	2500	0	4
Stornoway	13.1	+10	NNW	4	bc	46	85	42	8	1	4	1	4-6	4-6	2500	1	1
Dalwhinnie	13.5	+16	NE	3	ir	40	85	38	6	5	-	-	10	10	1500	1	*
Aberdeen †	13.4	+12	N'W	2	rr	46	97	45	6	9	2	-	4-6	10	1100	1	1
Wick	13.6	+10	NNW	3	c	45	85	39	9	8	3	-	4-6	7-8	4000	0	*
Sumburgh	12.4	+10	NNW	3	c	46	75	37	9	8	4	-	7-8	7-8	2000	0	3
Blacksod Point	18.3	+18	N	2	c	51	75	44	9	8	3	-	4-6	7-8	2500	0	1
Malin Head	15.5	+14	N	3	bc/pr	48	75	41	8	9	-	3	4-6	4-6	2500	1	3
Aldergrove	15.4	+8	WNW	2	bc	47	75	38	9	7	6	8	4-6	4-6	3000	1	*
Birr Castle	17.3	+18	SSE	1	bc	48	85	44	7	7	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	18.9	+12	ENE	1	c	48	97	47	8	2	-	6	2-3	9	2500	1	!
Roches Point	18.3	+18	N'W	3	b	50	92	48	8	5	-	-	1	1	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
London (Kew)	62	50	44	1	-	10.5
Croydon	62	48	48	2	-	10.3
S. Farnborough	63	46	39	2	-	10.8
Boscombe Down	61	42	38	1	Tr	7.5
Thorney Island	59	47	48	1	Tr	*
Lympne	59	47	43	2	1	8.1
Manston	61	48	46	1	-	12.1
Shoeburyness	64	51	45	Tr	-	12.7
Felixstowe	65	50	41	2	-	9.3
Gorleston	61	48	44	1	Tr	4.9
Mildenhall	62	48	43	3	Tr	6.5
Cranwell	60	42	41	2	Tr	6.5
Birmingham	62	49	44	2	Tr	6.8
Upper Heyford	62	47	43	Tr	Tr	*
Ross-on-Wye	61	42	35	4	-	7.6
Hartland Point	56	49	44	-	-	8.2
Bristol	60	44	33	2	-	7.2
Portland Bill	53	48	*	-	-	*
Plymouth	58	44	37	-	-	8.5
The Lizard	58	47	*	Tr	Tr	8.5
Scilly (St. Mary's)	59	48	*	0.1	-	7.6
Guernsey						
Pembroke	54	44	*	-	-	8.5
Holyhead (Valley)	58	46	43	-	2	*
Chester (Sealand)	59	48	42	-	7	10.1
Manchester	61	45	40	-	8	*
Spurn Head	60	48	*	2	-	7.1
Catterick	65	42	41	-	Tr	12.9
Tynemouth	59	48	47	-	-	*
St. Abbs Head	56	45	*	4	0.5	*
Leuchars	60	43	42	3	7	9.7
Renfrew (Abbots I.)	61	43	37	Tr	Tr	10.5
Eskdalemuir	58	41	38	0.1	0.5	8.4
Point of Ayre	61	47	*	-	-	11.4
Tiree	55	45	*	-	1	12.0
Stornoway	50	41	*	0.5	2	0.8
Dalwhinnie	54	39	39	4	4	3.5
Aberdeen †	51	44	43	7	8	4.8
Wick	53	39	38	Tr	-	*
Sumburgh	53	42	35	Tr	Tr	1.4
Blacksod Point	57	44	*	-	-	*
Malin Head	54	48		0.5	0.3	
Aldergrove	58	39	32	5	0.3	7.8
Birr Castle	61	43	38	2	-	4.1
Valentia Obsy.	57	44	38	-	Tr	
Roches Point	59	46	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th May / 18h. G.M.T. / 01h. G.M.T. 31st May / 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhNh (13h)	DDFWN (13h)	$C_L C_M$ (18h)	wwVhNh (18h)	DDFWN (18h)	$C_L C_M$ (01h)	wwVhNh (01h)	DDFWN (01h)	$C_L C_M$ (07h)	wwVhNh (07h)	DDFWN (07h)
109	8-	02955	25415	8-	02965	29415	53	01853	28324	8-	61855	31265
115	54	02944	32225	52	81735	04398				52	10844	32226
203												
206	83	25855	08185	82	81856	06188	52	64856	00068	51	62848	30168
210	23	01963	07214	8-	62867	06167	02	62738	32368	02	62847	31367
220				50	81837	28417						
230	84	01004	24384	20	02954	26315	5-	02856	26326	8-	02956	28426
245	86	01963	10314	87	25754	08287	5-	02857	04367	5-	02967	30167
260	24	01864	23114	90	11765	10115	57	05655	24115	8-	05656	25226
278	26	01953	26314	86	25943	26487	57	01852	26313	24	01954	28415
279	9-	81744	21417	84	25954	22485	57	02863	26226	27	01953	23213
285	10	01854	28514									
288	20	25654	05326	26	05554	02314	07	02790	17228	54	05651	25227
575	36	01804	30225	83	01854	28325	5-	02858	00028	20	00951	28221
301	20	00951	27301	24	02951	25306	52	62653	27368	86	02854	28365
321	21	81755	25485	80	00761	26383	46	05663	24226	49	05663	25225
299	5-	02654	24115	8-	02755	28215	00	00780	24200	54	01764	28114
292	20	25954	24384	24	01953	24213	50	02863	21118	51	26759	26167
310												
614	26	25664	20384	46	01753	24114	57	05663	26128	57	05564	23127

13h. G.M.T. 30th May / 18h. G.M.T. / 01h. G.M.T. 31st May / 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhNh (13h)	DDFWN (13h)	$C_L C_M$ (18h)	wwVhNh (18h)	DDFWN (18h)	$C_L C_M$ (01h)	wwVhNh (01h)	DDFWN (01h)	$C_L C_M$ (07h)	wwVhNh (07h)	DDFWN (07h)
333	2-	01964	26314	24	02961	19218	5-	22866	22166	54	01864	30215
334	--	13647	24328									
340	83	01964	26314	28	10963	32285	43	02773	24128	5-	64646	29268
136	80	93745	22318	70	01773	22193	57	05672	22218	52	22654	25168
336	10	01764	28314	23	01763	24415						
350	36	02855	20325	86	02864	22326	51	02674	18226	87	22653	00066
368	34	01854	25485	20	02853	22417	80	00751	24111	8-	02856	24226
379	2-	02956	22426	84	02964	22325	87	02755	24228	57	02844	28316
390	26	01754	22385	36	82745	24386	47	05672	20288	57	05674	24227
382	86	01854	22314	87	25865	23226	51	02871	00028	87	01762	25313
438	84	14744	24615	74	24615					36	02734	22344
430	8-	81756	22486	23	02853	55426	5-	05538	00028	14	00851	26221
409	5-	02734	22516	53	01744	23325	5-	02746	28226	5-	01744	28324

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 31st May
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	PR hpr	bcebc	bcw
Croydon	bc, cpr	bcpb	cmowbc
Greenwich	cp	cpby	cbcc
Camden Square	b	c	*
Kensington	bc	bc	*
Hampstead	bcp	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.4 Time 3-7h 31st
Min. <0.1 Time Rest of period

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	62	50	44	1	-	10.5	*	*
Croydon	62	48	48	2	*	10.3	*	*
Greenwich	64	49	40	1	-	10.0	55	73
Westminster	63	50	48	-	-		75	87
Regents Park								
Camden Square	65	50	45	-	-	*	*	76
Kensington	65	49	45	Tr	*		55	75
Hampstead	62	47	44	Tr	-		*	83