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THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June,

1943

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount – Columns 13, 14, 28, 29

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

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

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

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

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

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

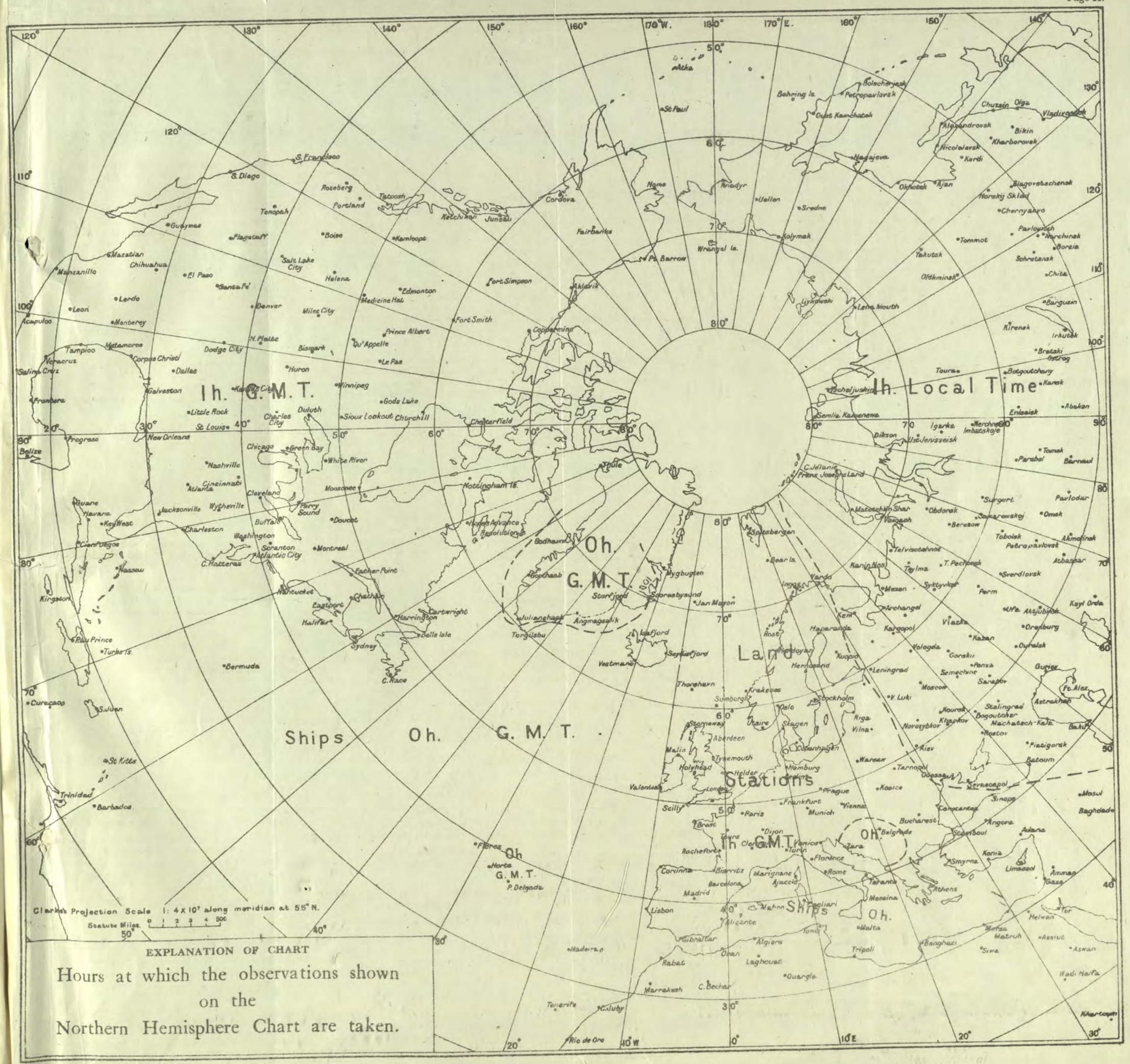
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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


1h. G.M.T.
1h. Local Time
0h. G.M.T.
Ships 0h. G.M.T.
Land Stations
1h. G.M.T.
0h. G.M.T.
Ships 0h.
Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500
EXPLANATION OF CHART
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

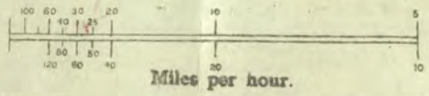
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALES

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



This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT,

June 1943 No. 318

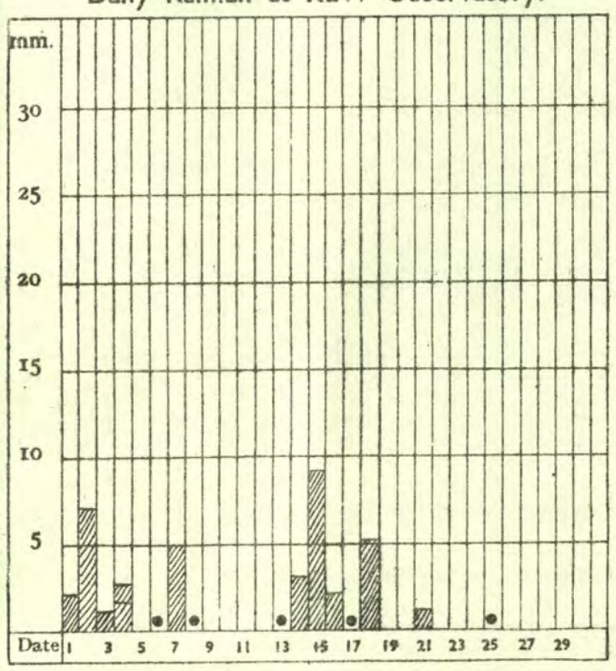
Unsettled and cool at first; fine and sunny during latter part of month.

The month opened with generally unsettled conditions consequent on the passage eastward of a complex depression; in the rear of this disturbance, thunderstorms heavy in places, and thundery showers were reported from many districts. On the 5th a disturbance over Scotland gave rise rise to general rain in northern districts but amounts in the South were slight. More settled conditions obtained during the 6th and 7th except for scattered showers and some local thunderstorms; temperatures did not exceed the average for the season. Rain was general, although amounts were mainly small on the 8th, following the passage of a trough associated with the Icelandic depression. The ridge in it's rear brought some improvement and a fair interval was maintained with some rise in temperatures, particularly in the South and East. Precipitation was confined to the West and North and was mostly in the form of thundery showers, while amounts were small generally. The slow approach of the Icelandic low and unstable polar air over the country resulted in an outbreak of thunderstorms and thundery showers during 14th-16th; the thunderstorms became widespread on the 15th-16th, only the extreme western districts escaping. During this period hail was associated with the showers and hailstones of considerable size were reported in some areas in the Home Counties. The eastward movement of the ridge on the 17th introduced fairer conditions in general but the thundery tendency persisted in the southern half of the country. The influence of low pressure systems on the Atlantic was felt on the 18th, with rain and drizzle in western districts, these conditions becoming general by the 19th. The movement of the low-pressure system northeast, and the spread of an anticyclone from the southwest resulted in improving conditions over the southern half of the country, although rain persisted in the West and North until the 21st. On the 23rd, anticyclonic conditions became more pronounced over most of England, although Scotland and Ireland were affected by a trough moving east from the Atlantic. The high pressure system had become firmly established by the 25th and persisted for the remainder of the month.

Temperatures rose considerably, particularly in the West and North and excellent sunshine values were reported. In the South and East however, sunshine was less abundant and temperatures were about average for the season.

Rainfall was below normal in the southern half of the country, the deficiency amounting to 50% of average at a number of stations; in the West and North amounts were above average. Sunshine values showed no significant variations from the seasonal normal.

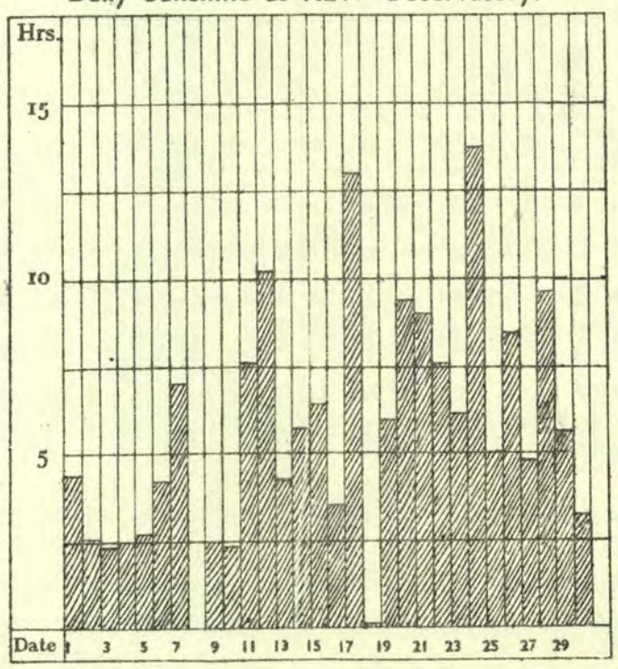
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

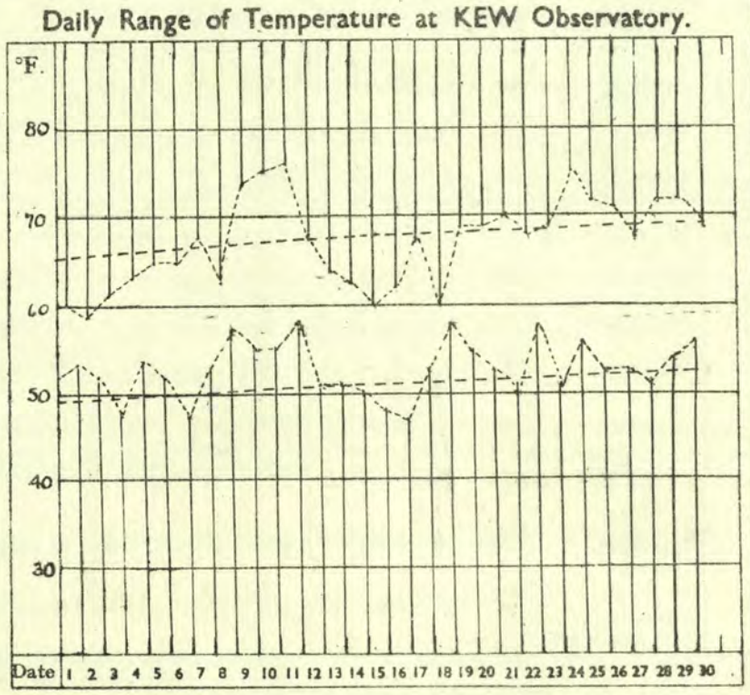
RAINFALL. Total for Month. 38 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 176 hrs.

Daily Range of Temperature at KEW Observatory.



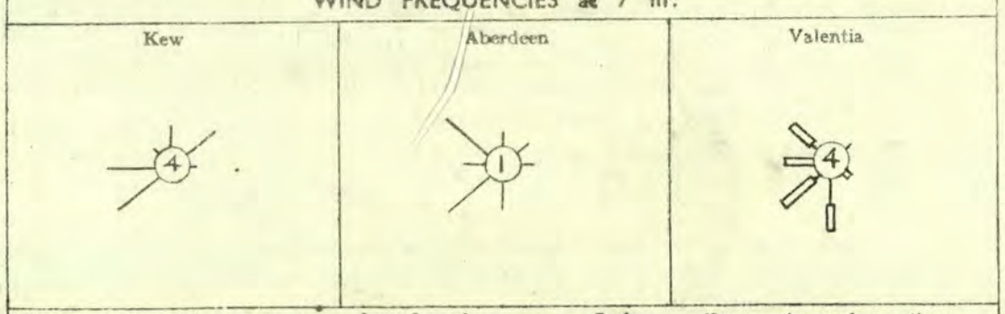
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Station	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb	mb.	°F.	°F.
Kew	1018·7	+2·0	60·1	+0·2
Aberdeen	1013·2	−2·5	54·5	+1·3
Valentia	1016·7	+0·0	56·3	−0·2

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

WIND FREQUENCIES at 7 hr.



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

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

	miles
Kew ...	5973
Aberdeen ...	4582
Lerwick ...	10186
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.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	13 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	18 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
							°F						°F.	°F		°F.		°F.		°F																					
1	London ... (Kew Obsy).	0	1	16	13	0	68·0	0	0	6	24	0	51·9	75	10, 24	59	2	58	12, 18, 23	47	4, 7, 17	0	1	28	0	0	29	0	2	27	1	0	0	0	0	19	0	0	0	0	30
	Croydon ...	0	0	14	15	1	67·4	0	0	13	17	0	50·3	78	11	60	2	58	9, 23	46	7, 17	0	3	19	1	0	29	0	1	25	2	0	0	0	0	20	0	0	0	0	29
	Thorney Island	0	0	18	12	0	65·4	0	0	13	17	0	52·0	75	9	60	1, 18	58	23	43	22	0	2	20	0	3	26	0	2	24	0	0	0	1	0	27	0	0	0	0	26
	Lympne ...	0	1	23	6	0	63·7	0	2	15	13	0	49·2	74	25	59	2	56	19	40	16	0	8	9	1	6	21	0	3	22	1	0	0	0	1	22	0	0	0	0	27
2	Shoeburyness...	0	0	19	11	0	66·6	0	0	10	20	0	49·7	77	20	62	3	58	19	44	17	0	2	6	0	0	28	0	1	24	0	0	0	1	1	15	0	0	0	0	25
	Gorleston ...	0	3	25	2	0	62·6	0	0	9	21	0	51·1	75	19, 20	59	3	59	12	45	17	0	6	17	0	1	28	0	1	25	0	0	0	0	1	24	0	0	0	0	27
	Cranwell ...	0	0	22	8	0	66·0	0	0	18	12	0	47·8	74	11	60	14	57	19	43	22	0	3	18	1	0	29	1	0	28	0	0	0	0	0	16	0	0	0	0	22
3	Birmingham ... (Edgbaston)	0	1	21	8	0	64·9	0	0	15	15	0	49·5	77	29	58	2	59	11	43	14	0	2	26	0	1	29	0	0	27	0	0	0	0	1	14	0	0	0	1	27
4	Ross-on-Wye...	0	1	21	8	0	67·0	0	0	14	16	0	49·3	77	29	59	4	59	11	43	7	0	0	25	0	0	30	0	0	29	0	0	0	0	0	26	0	0	0	0	28
5	The Lizard ...	0	10	19	1	0	*	0	0	6	24	0	*	70	28	55	4	59	30	49	14, 24	*	4	26	0	5	24	0	4	26	0	0	0	2	0	24	0	2	1	1	24
7	Holyhead ... (Valley)	0	6	21	3	0	59·4	0	0	14	16	0	51·3	74	29	55	4	55	19	42	17	0	5	20	0	5	22	0	4	20	0	0	0	2	0	25	0	0	0	0	24
8	Chester ... (Sealand)	0	4	17	9	0	65·1	0	1	13	16	0	48·6	74	9, 24, 27, 28	58	3, 15	59	19	41	17	0	0	25	0	0	28	0	0	28	0	0	0	0	2	20	0	0	0	0	25
10	Tynemouth ...	0	9	21	0	0	59·7	0	0	15	15	0	49·3	67	7, 11, 19, 20, 25	54	6	57	20	45	18	0	0	23	0	1	27	0	1	27	0	0	0	0	0	15	0	1	0	0	23
11	Leuchars ...	0	5	23	2	0	61·7	0	0	20	10	0	46·1	69	25	54	6	55	8	42	5	0	5	20	2	1	29	0	4	22	0	0	0	0	0	24	0	0	0	0	26
12	Renfrew ...	0	7	18	3	2	63·0	0	0	19	11	0	46·6	82	29	58	4, 13, 22	56	10	42	9, 17	0	3	25	0	4	25	0	5	25	0	0	0	0	2	17	0	0	0	0	24
	Eskdalemuir ...	0	16	10	3	1	61·1	1	5	19	5	0	43·7	78	28	55	4	53	10	32	16	3	8	17	0	4	24	0	8	21	0	0	0	3	0	20	0	0	0	0	26
13B	Stornoway ...	1	20	9	0	0	57·0	0	0	23	7	0	46·7	66	27	50	5	55	17	42	15	*	3	26	0	3	27	0	6	22	0	0	0	0	0	26	0	0	0	0	25
15	Aberdeen ...	0	11	19	0	0	59·5	0	1	17	12	0	46·9	68	8, 19	51	6	54	8	40	16	0	7	18	4	3	26	0	4	23	0	0	0	1	1	24	0	0	0	1	23
18	Aldergrove ...	0	6	19	5	0	63·2	0	2	20	8	0	47·3	77	28, 29	56	1	55	10	38	17	0	3	23	0	3	26	0	3	25	0	0	0	0	0	24	0	0	0	0	27
19	Birr Castle ...	0	3	20	6	1	64·5	0	0	18	11	0	48·3	79	28	58	2	57	9	42	26	0	7	17	0	4	26	0	4	22	0	0	0	0	0	30	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	12	13	5	0	61·6	0	0	13	17	0	51·4	74	23	56	2	57	19	46	26	0	7	19	0	6	24	0	4	23	0	0	0	0	0	22	0	0	0	0	27

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	1850	52·6	50	60	49·8	60	47·2	30
850	4860	42·3	46·2	60	40·8	60	44·4	30
750	8170	33·6	32·2	60	31·8	60	36·1	30
650	11890	22·9	22·7	60	21·3	60	25·5	30
550	16110	9·1	8·7	60	7·4	60	12·8	30

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Exeter. *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	Prestwick. *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.	63	18	34	10	1	0	45	19	20	3	1	0	42	20	16	0	0	0	42	28	11	0	0	1	500 above ground.
1000 above M.S.L.	59	19	30	9	1	0	30	11	14	5	0	0	24	12	10	0	0	0	38	23	6	2	1	0	1000 above M.S.L.
2000 " "	30	8	18	2	1	0	11	6	4	1	0	0	10	6	4	0	0	0	20	12	8	0	0	0	2000 " "
3000 " "	13	4	9	0	0	0	3	1	2	0	0	0	4	3	1	0	0	0	13	8	3	1	0	0	3000 " "
4000 " "	5	2	3	0	0	0	1	0	1	0	0	0	3	3	0	0	0	0	11	5	5	1	0	0	4000 " "

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

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

METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.
NELSON K. JOHNSON, K.C.B., D.Sc., Director

SUNSHINE, RAINFALL, AND HUMIDITY ..... June 1943

District.	Stations.	Sunshine. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	Rainfall. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours. mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	1	6	10	8	5	13·7	24	1393	−76	176	−27	1880	277	1940	105	1909	20	2	6	2	0	0	7	2	584	−22	32	−23	1856	183	1903	1	1925	3	0
	Croydon ...	0	4	7	9	10	14·7	24	1560	+35	218	+7	1922	278	1925	112	1923	19	3	6	2	0	0	7	2	747	+68	29	−25	1921	90	1926	4	1925	3	0
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	6	2	4	0	0	7	18	680	−13	32	−14	1881	100	1905	0	1925	1	0
	Lympne ...	0	2	9	7	12	13·6	10	1750	−15	242	+15	1921	306	1940	141	1923	18	2	6	4	0	0	9	14	695	−29	44	−5	1920	113	1927	1	1921	4	0
2	Shoeburyness ...	0	3	6	8	13	14·0	24	1613	−103	230	+4	1919	283	1942	154	1923	20	0	6	4	0	0	7	3, 7	564	+61	42	−3	1920	70	1937	5	1921	3	0
	Gorleston ...	1	9	5	8	7	14·1	17	1656	+13	190	−19	1908	252	1940	148	1916	23	1	5	1	0	0	6	15	626	+4	34	−11	1871	116	1927	5	1932	2	0
	Cranwell ...	1	5	11	4	9	13·3	27	1606	+68	195	−6	1921	283	1940	148	1923	18	1	7	4	0	0	10	16	540	−50	21	−22	1917	81	1936	3	1925	6	0
3	Birmingham ... (Edgbaston)	2	5	7	6	10	15·5	30	1362	+58	202	+23	1887	280	1940	95	1923	16	6	5	3	0	0	10	7	729	+55	39	−20	1893	125	1912	14	1942	3	0
4	Ross-on-Wye ...	2	9	7	2	10	13·8	17	1489	+4	172	−35	1915	318	1925	135	1916	18	4	6	2	0	0	11	2	704	−13	30	−25	1859	143	1860	0	1925	2	0
5	Falmouth ... (Observatory)	5	5	3	3	14	14·6	26	1649	−61	217	−10	1881	375	1925	121	1907	16	4	8	2	0	0	8	7	937	−170	33	−26	1871	190	1879	0	1925	0	0
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	311	1940	150	1931	17	2	6	4	0	1	26	18	914	+27	70	+15	1871	127	1936	1	1925, 1942	0	0
8	Chester ... (Sealand)	1	4	6	7	12	15·0	12	1554	+178	244	+49	1923	292	1940	131	1923	15	5	6	3	1	0	22	15	647	+9	69	+17	1922	128	1931	1	1925	0	0
10	Tynemouth ...	*	*	*	*	*	*	*	*	*		*	1935	*		*	*	17	7	2	4	0	0	14	15	538	−83	44	−6	1915	100	1927	3	1925	4	0
11	Leuchars ...	0	9	2	7	12	14·1	21	1590	+120	211	+8	1922	263	1940	137	1935	15	4	6	5	0	0	7	3	522	−131	46	+4	1922	115	1931	7	1940	5	0
12	Renfrew ...	2	9	7	2	10	15·4	26	1211	+18	191	+16	1921	258	1925	105	1931	10	6	8	6	0	0	11	4	1157	+218	72	+16	1921	129	1928	10	1925	0	0
	Eskdalemuir ...	4	7	9	6	4	15·1	28	1150	−51	154	−21	1910	271	1940	83	1912	5	5	8	10	2	0	19	16	1679	+250	155	+75	1910	260	1931	23	1921	1	0
13B	Stornoway ...	3	12	8	4	3	14·3	28	983	−232	112	−55	1881	260	1905	92	1942	14	5	4	7	0	0	11	20	1313	+112	88	+32	1870	140	1872	11	1897	0	0
15	Aberdeen ...	3	6	9	4	8	13·4	12	1324	−5	180	−1	1881	279	1940	82	1912	20	2	4	4	0	0	14	23	667	−81	50	+7	1871	118	1916	12	1891	2	0
18	Aldergrove ...	1	9	10	3	7	15·1	28, 30	1281	−45	177	+0	1927	279	1940	123	1938	4	10	12	3	1	0	17	4	972	+134	91	+30	1926	116	1938	11	1941, 1942	0	0
19	Birr Castle ...	1	8	7	5	9	15·2	30	1178	−128	198	+38	1881	278	1940	104	1937	10	6	8	6	0	0	13	17	952	+125	76	+17	1862	131	1878	9	1887	0	0
20	Valentia ... (Cahirciveen)	3	6	7	5	9	15·6	26	1280	−88	197	+24	1880	295	1887	91	1924	9	2	10	8	0	1	28	6	1221	−193	136	+55	1866	207	1935	3	1921	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	0	1	0	3	8	13	5	0	0
Ross-on-Wye ...	0	0	2	1	11	8	8	0	0	0
Falmouth (Obsy.)	3	1	7	6	11	2	0	0	0	0
Renfrew ...	0	0	1	2	16	5	6	0	0	0
Eskdalemuir ...	0	0	0	4	15	9	2	0	0	0
Aberdeen ...	0	1	0	2	15	6	5	1	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) ...	11	19	0	0	0	0	0	0	0	0
Ross-on-Wye ...	18	12	0	0	0	0	0	0	0	0
Renfrew ...	8	22	0	0	0	0	0	0	0	0
Eskdalemuir ...	8	22	0	0	0	0	0	0	0	0
Aberdeen ...	17	13	0	0	0	0	0	0	0	0
Valentia ...										

CODE for State of Ground.

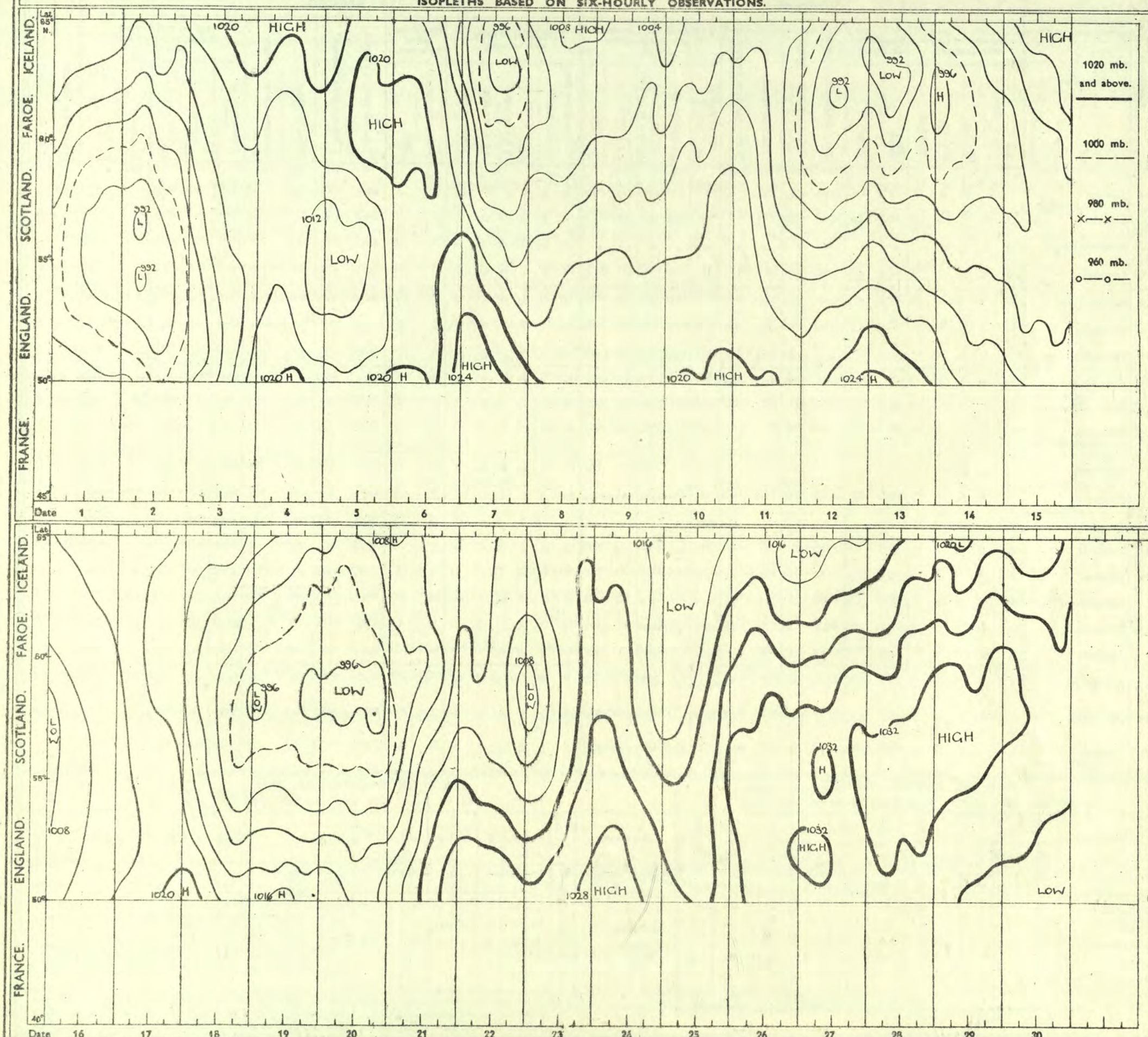
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6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

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

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

PRESSURE: ICELAND TO GULF OF LIONS June 1943.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

Ps 439/4504 Wt.8083 D.H.S.45. Gp.948/6. 395. 7/42.

SECRET

Page 1 BRITISH SECTION

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

Tuesday 1st June 1943

No. 29776

OBSERVATIONS at 13h. G.M.T. 31st 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 (6)	Temp °F. (5)	% 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)	12.2	-16	SW'S	3	c	64	55	49	7	8	7	2	7-8	9+	2500
	Croydon	13.3	-8	SSW	3	c	66	55	48	8	1	7	6	7-8	9+	2000
	S. Farnborough	12.6	-14	SW'S	3	c	64	55	49	8	7	3	7	4-6	9+	2000
	Boscombe Down	12.5	-10	S'W	4	c	60	55	48	8	2	7	-	9	9+	2000
	Thorney Island	13.1	-14	SE	3	c	61	65	50	9	1	4	8	2-3	9	2500
	Lympne	13.6	-12	S	2	cbc	64	55	47	8	1	4	9	Tr	7-8	2500
	Manston	13.0	-10	SSW	4	c	67	45	45	8	1	7	7	1	10	6000
2	Shoeburyness	13.4	-12	SW	4	c	69	55	52	8	1	7	-	4-6	9	2500
	Felixstowe	12.5	-14	SSE	3	zo	67	75	58	6	2	3	9	1	4-6	4000
	Gorleston	12.2	-20	SSE	4	zo	58	85	53	6	2	4	1	2-3	4-6	2500
	Mildenhall	11.3	-14	SSW	3	c	68	45	48	8	2	7	-	2-3	9+	4000
	Cranwell	10.5	-20	S'W	3	cbc	68	55	50	7	1	3	-	2-3	7-8	3500
3	Birmingham	10.5	-10	SSW	3	c	61	55	45	8	7	7	-	7-8	10	2500
	Upper Heyford	11.4	-12	SW	4	c	62	55	44	9	2	-	8	7-8	9+	2800
4	Ross-on-Wye	10.2	-20	S	4	c	62	55	45	8	1	-	7	2-3	10	3000
5	Hartland Point	08.2	-12	SW	4	ir	56	92	53	7	5	2	-	7-8	10	1000
	Bristol	11.2	-18	S	4	c	61	65	47	9	1	7	-	4-6	10	2500
	Portland Bill	12.6	-12	S	3	c	58	85	54	8	5	7	-	4-6	10	4000
	Plymouth	11.1	-16	S'E	4	iro	57	92	56	7	5	2	-	7-8	10	800
	The Lizard	08.5	-10	S	5	rr	55	97	55	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	06.2	-18	SSW	5	rr	55	97	55	6	5	-	-	10	10	600
	Guernsey															
6	Pembroke	07.5	-18	S	5	RR	54	97	53	6	6	2	-	4-6	10	1500
7	Holyhead (Valley)	08.1	-18	S'E	5	iro	58	75	50	8	7	2	-	1	10	3000
	Chester (Sealand)	09.7	-18	S	2	pr	61	65	49	7	2	7	-	4-6	10	3000
8	Manchester	09.8	-20	S'E	3	c	62	55	45	7	2	7	-	4-6	10	3000
10	Spurn Head	11.3	-22	ESE	4	m	54	92	52	4	7	3	-	4-6	7-8	2500
	Catterick (Sc)	11.4	-18	SSE	2	zo	63	65	49	6	5	2	-	7-8	10	2000
	Tynemouth	11.8	-16	SE	3	zo	55	85	50	6	5	-	-	7-8	7-8	2200
11	St. Abbs Head	10.1	-16	SE	3	cF	54	97	53	1	5	2	-	7-8	9+	1800
	Leuchars	10.7	-10	E	3	zo	52	92	49	5	5	-	-	10	10	400
12	Renfrew (Abbots I.)	08.4	-18	SSE	3	c	63	55	46	8	1	7	-	4-6	10	2500
	Eskdalemuir	08.0	-20	SE'S	3	pr	61	55	47	8	5	1	-	9	10	2200
	Point of Ayre	08.7	-10	S	3	c	58	75	50	7	2	7	-	Tr	10	2000
13A	Tiree	06.8	-8	SE	4	voro	55	85	50	7	7	2	-	1	10	5000
13B	Stornoway	08.0	-10	-	0	iro	56	85	50	8	5	2	-	4-6	10	2800
15	Dalwhinnie	09.0	-8	SE	4	c	56	55	42	7	5	2	-	4-6	10	2500
	Aberdeen	12.7	-8	SE	3	c	49	92	47	6	5	-	-	10	10	450
	Wick	12.6	-2	SE'E	3	cbc	51	92	49	9	5	3	-	4-6	7-8	4000
16	Sumburgh	13.1	0	SW'S	2	c	50	92	47	8	5	-	-	9+	9+	1000
17	Blacksod Point	00.9	+2	S'W	4	bc	57	75	49	8	8	-	-	4-6	4-6	2500
18	Malin Head	03.5	-18	SE	4	iro	55	85	50	8	8	2	-	4-6	9+	2500
	Aldergrove	05.5	-20	SSE	4	iro	54	85	49	7	5	2	-	4-6	10	1300
19	Birr Castle	02.0	-4	S	3	cbc	64	65	52	8	8	-	-	7-8	7-8	1500
20	Valentia Obey.	02.1	-2	SW'S	5	cbc	57	65	45	8	2	-	-	7-8	7-8	2500
	Roches Point	03.5	+2	SSW	4	bc	58	75	50	8	2	-	5	4-6	4-6	1500

OBSERVATIONS at 18h. 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)	09.5	-12	SSW	3	c	61	55	46	8	5	7	-	7-8	9+	2500	0	*
Croydon	11.2	-10	SW'S	3	iro	61	65	48	8	5	7	-	1	10	2500	0	*
S. Farnborough	09.5	-14	S'W	3	cjp	60	65	47	8	5	7	-	7-8	10	2500	0	*
Boscombe Down	10.2	-10	S'E	2	c	58	65	48	8	5	7	7	4-6	10	1800	0	*
Thorney Island	10.9	-8	S'E	2	c/r	58	75	51	8	5	7	-	4-6	10	1500	1	*
Lympne	10.7	-16	SSW	1	c	60	65	49	8	-	9	7	0	10	-	0	2
Manston	10.4	-14	SSW	2	c	65	55	46	8	5	7	2	4-6	9	4500	0	*
Shoeburyness	11.2	-12	SSW	3	c/pr	65	65	53	8	5	9	-	2-3	9+	5700	0	
Felixstowe	10.6	-14	S'E	3	iro	63	75	54	7	5	2	-	7-8	9+	4000	0	2
Gorleston	10.1	-8	SSE	4	bc	64	65	53	7	7	-	1	4-6	4-6	2800	0	2
Mildenhall	08.8	-14	S'W	3	c	65	55	47	8	1	7	-	2-3	9+	4000	0	
Cranwell	07.9	-14	SSW	4	c	62	65	50	8	1	7	-	2-3	9+	2500	0	*
Birmingham	07.8	-16	E	3	c	59	55	43	8	5	2	-	7-8	9	1500	1	*
Upper Heyford	08.6	-10	SSW	4	iro	60	55	45	9	1	7	7	1	10	3000	0	*
Ross-on-Wye	08.0	-10	S	3	ir	55	85	51	6	6	2	-	7-8	10	2000	1	*
Hartland Point	04.2	-32	S	5	c	55	92	53	8	8	2	-	4-6	10	1700	1	4
Bristol	08.9	-10	S	3	rr	56	85	50	7	5	7	-	7-8	10	1500	1	*
Portland Bill	09.9	-12	S	3	roro	57	92	55	8	5	-	-	10	10	2500	1	4
Plymouth	06.6	-34	S	3	c/r	55	97	54	6	8	2	-	2-3	10	1500	1	2
The Lizard	05.7	-8	-	0	rr	53	97	53	5	5	-	-	10	10	1000	2	4
Scilly (St. Mary's)	05.4	-6	WSW	3	c-bc	57	85	51	8	8	4	5	4-6	7-8	1200	1	4
Guernsey																	
Pembroke	04.5	-14	W'S	3	iR	53	97	52	5	8	1	-	9	10	2000	1	4
Holyhead (Valley)	04.4	+2	SE	5	c/r	55	92	53	8	5	2	-	4-6	10	3000	1	3
Chester (Sealand)	07.5	-14	S'E	2	roro	58	85	52	6	5	-	-	7-8	10	3500	1	*
Manchester	07.0	-18	S	4	iro	61	55	45	8	4	7	-	7-8	10	2000	0	*
Spurn Head	08.2	-12	SE'E	4	fs	55	92	52	6	2	7	-	4-6	10	2500	0	3
Catterick (Sc)	07.5	-12	SE	2	zo	58	85	52	6	5	7	-	2-3	9	3000	1	*
Tynemouth	08.5	-18	SE	4	iro	51	97	50	6	-	2	-	10	10	1600	1	2
St. Abbs Head	07.9	-12	SE	3	F	48	97	48	1	-	-	-	10	10	<150	0	3
Leuchars	08.1	-10	E	2	zo	49	97	49	5	5	-	-	10	10	300	1	
Renfrew (Abbots I.)	06.5	-8	E	1	roro	57	75	51	6	6	2	-	4-6	10	1200	1	*
Eskdalemuir	06.0	-12	-	0	roro	52	92	50	6	-	2	-	10	10	400	1	*
Point of Ayre	05.4	-18	S'E	1	rr	53	92	51	7	6	2	-	10	10	3000	1	2
Tiree	03.6	-20	SE	5	iro	52	92	50	7	5	-	-	10	10	4000	1	4
Stornoway	05.6	-14	NE	1	c	54	85	50	8	5	7	-	4-6	9+	3800	1	1
Dalwhinnie	07.0	-4	SE	4	pr	50	85	44	7	5	2	-	7-8	10	2500	1	*
Aberdeen	10.2	-12	ESE	2	cjf	48	92	47	5	5	-	-	10	10	450	1	2
Wick	10.8	-10	SE	4	zo	48	92	47	6	5	-	-	10	10	400	0	
Sumburgh	12.0	-8	SSE	3	c	50	85	46	8	5	-	-	9+	9+	900	1	2
Blacksod Point	00.1	-4	S'W	4	b-bc	56	75	48	8	8	-	-	2-3	2-3	2500	1	3
Malin Head	01.0	-10	E'S	4	c/r	55	85	51	8	5	-	-	9+	9+	2500	1	3
Aldergrove	03.0	-14	SE'S	3	id.	53	92	50	6	5	2	-	9	10	1000	1	*
Birr Castle	00.3	-12	WSW	2	c	63	55	47	8	8	-	-	7-8	9	1500	0	*
Valentia Obey.	01.0	-8	S'W	4	c/r	53	85	49	8	5	-	1	9	9+	2500	1	3
Roches Point	02.7	-6	SSW	4	bc	57	85	53	8	2	-	5	4-6	4-6	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 31st (39)	13h.—18h. 31st (40)	18h. 31st — 1h. 1st (41)	1h.—7h. 1st (42)
London (Kew)	bczocy	cy	crrr	cr.c
Croydon	ccy	cucir.	ciro	cirbc
S. Farnborough	bccyccy	cycjp	cjpirorom.	crmbdbbc
Boscombe Down	ocmc	cyc	cidororoc	cbc
Thorney Island	c	ciroc	crrirmo	bcbcpr
Lympne	bcycy	c	circiro	cRbcbc
Manston	bcmozo	cy	cyciroc	cirbcb
Shoeburyness	czocy	cycpr	cpre	cprbcc
Felixstowe	cmobczo	ccir.	cciroc	cirbcb
Gorleston	bczo	cbc	corOr	orbc
Mildenhall	cmbccy	cy	ciro	cirrrb
Cranwell	bcczobcy	bccyc	ciro	cbrbrb
Birmingham	bcc	mrro	c	cprbc
Upper Heyford	bcmowcy	cyciroy	cirocrrmo	eddirmbc
Ross-on-Wye	c ⊕	cycr.	rccP	bcc
Hartland Point	ciroirc	cirrrc	cirbcc	bcirc
Bristol	bcc	ccircr	crocirirmo	bbcc
Portland Bill	c	ccr.	c	cc
Plymouth	c	crrrorom.	crorormoc	bccir
The Lizard	opr rr	orr	cbc	cbcc
Scilly (St. Mary's)	c roro rr	crcbcc	cp.cbc	bccirq
Guernsey				
Pembroke	crrRRmo	crrR	bc	bccrrq
Holyhead (Valley)	ciroc	cy	ciro rr	cbbc
Chester (Sealand)	czo	cirororo	cmororo	cbcrrm
Manchester	cmowzoy	cy	iroccir.	rrm
Spurn Head	Fbcm	cmo	c	rbc
Catterick (Sc)	ccmo	cpr.cmo	cmororom	crrfc
Tynemouth	bccmo	cmoiro	omoiro	oirm
St. Abbs Head	bccmof	F	Fr	Frcmr
Leuchars	cmo	crorrrm.	cmocrororm	crm
Renfrew (Abbots I.)	czowccy	cyciror.r.	rorocmrr	cmrromcm
Eskdalemuir	cypr.	cpr.oror.	orrmc	c cbc
Point of Ayre	c	crr	crrc	cbc
Tiree	c	cr.roir.	orrro	ccrc
Stornoway	cciro	cciroc	ccroro	crrrrc
Dalwhinnie	copr.	opor.		oir
Aberdeen	cmifcmo	cmojf	cmo*	prrff
Wick	bcc	cmo	cmo	crrOFom
Sumburgh	cidoc	c	c	cmirc
Blacksod Point	bc	bc	pr	pr
Malin Head	r	r	r	bc
Aldergrove	cidoiroc	irorocid.r.	crrroromoc	bccbc
Birr Castle	pr	pr	*	o
Valentia Obey.	bc	pr	pr	pr
Roches Point	r	bc	pr	r

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Mainly fresh southwest wind; cloudy occasional rain or showers, some bright intervals: cool.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Fresh or strong southwesterly winds; cloudy with occasional rain or showers, more general rain spreading from southwest later; cool
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	As 1-3.
13B N.W. Scotland	As 15-16.
14 Mid Scotland	As 1-3.
15 N.E. Scotland	Moderate or fresh east winds, veering southwesterly; dull and rainy
16 Orkneys and Shetlands	at first, bright intervals and showers later; cool.
17 N. W. Ireland, 18 N. E. Ireland	Light variable to moderate westerly winds; occasional showers, some bright intervals; cool.
19 S. E. Ireland, 20 S. W. Ireland	Moderate or fresh westerly winds becoming variable; occasional showers at first, more general rain later; cool.

GENERAL INFERENCE

A complex depression centred off northwest Ireland and secondaries are moving northeast across the country. It will be generally cool with rain or showers at times in all districts.

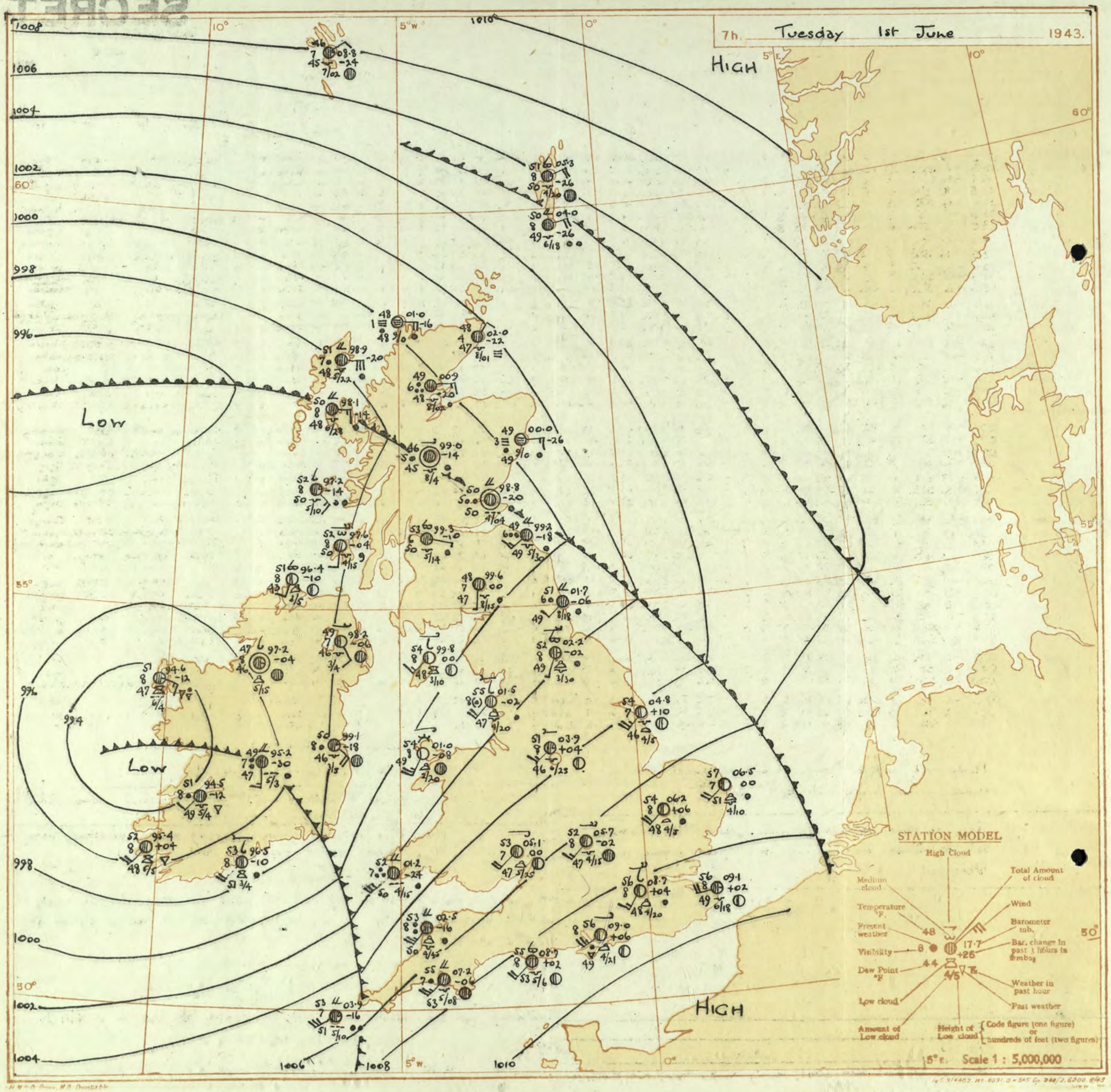
FURTHER OUTLOOK

Continuing cool and unsettled with rain or showers at times in all districts

Forecasts issued at 10.30

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

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


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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Tuesday 1st June 1943

No. 29776

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Cloud Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon	290	080	-12	SW	3	ir°	54	97	53	7	5	2	-	7-8	10	1800
	S. Farnborough	226	06.6	-12	SSW	3	r°r°	53	97	52	6	5	-	-	10	10	800
	Boscombe Down	417	06.6	-6	SW	4	c-bc/r	51	92	49	7	8	2	-	4-6	7-8	2500
	Thorney Island	10	08.2	-10	SSW	4	ir	54	92	52	6	5	-	-	7-8	10	1500
	Lympne	283	08.6	-14	-	0	r°r°	52	97	42	7	5	7	-	9+	10	1200
	Manston	154	09.2	-6	S'E	1	ir°	56	85	51	7	5	2	-	7-8	10	3400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07.3	-22	SSE	3	z°	50	75	40	6	5	-	-	9+	9+	5700
	Gorleston	5	07.0	-22	S'E	4	r°r°	56	92	54	6	6	-	-	10	10	1500
	Mildenhall	15	06.3	-18	S'E	3	ir°	55	85	54	7	5	2	-	7-8	10	3200
	Cranwell	203	05.0	-14	SSE	3	ir°	53	92	51	8	5	-	-	10	10	3200
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	05.1	-18	S	2	d°d°	53	97	51	5	6	-	-	7-8	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03.9	-8	WSW	6	bc	53	85	48	8	2	-	-	4-6	4-6	2500
	Bristol	209	06.5	+2	W	2	b-bc/r	50	92	47	8	5	-	-	2-3	2-3	2500
	Portland Bill	32	08.3	-6	S	4	c-bc	54	92	52	8	5	-	-	7-8	7-8	4000
	Plymouth	82	07.5	+2	WSW	4	c	54	92	52	8	8	-	-	9+	9+	1800
	The Lizard	240	06.9	+6	WSW	6	bc	52	92	50	7	5	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	06.0	-2	WSW	5	b-bc	52	85	47	8	8	-	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	03.6	-10	WSW	4	b-bc	52	85	47	8	8	-	-	2-3	2-3	1500
7	Holyhead (Valley)	32	02.9	0	SSW	3	c-bc	52	92	49	8	8	-	-	7-8	7-8	2500
	Chester (Sealand)	16	02.8	-14	—	0	r°r°	52	85	50	6	5	2	-	7-8	10	4000
8	Manchester	235	03.5	-14	SSE	4	ir°	53	85	48	6	5	2	-	4-6	10	3000
10	Spurn Head	29	05.6	-10	S	3	c	56	85	50	7	5	2	-	4-6	10	1500
	Catterick (Sc.)	192	03.8	-12	SSE	2	ir°	52	92	52	4	5	7	-	9	10	2500
	Tynemouth	108	04.4	-18	S	2	ir°	50	97	50	6	5	-	-	10	10	1500
11	St. Abbs Head	280	03.8	-24	SE	2	rF	48	97	48	1	-	-	-	10	10	<150
	Leuchars	36	03.9	-20	E	2	r°r°	49	97	49	5	5	2	-	7-8	10	4000
12	Renfrew (Abbots I.)	19	02.6	-18	ENE	1	rr	52	97	51	4	6	2	-	7-8	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	01.1	-20	S'W	3	c	52	97	51	7	6	7	-	4-6	10	800
13A	Tiree	44	00.3	-20	SE	4	rr	49	97	49	6	-	2	-	10	10	1000
13B	Stornoway	15	02.7	-16	ENE	5	r°r°	50	92	48	7	5	2	-	9	10	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	05.3	-26	ESE	3	r°r°	48	97	48	5	5	-	-	10	10	300
	Wick	114	06.9	-22	SE	3	z°	48	92	46	6	5	-	-	10	10	700
16	Sumburgh	19	08.9	-22	E	4	c	49	92	47	8	5	-	-	10	10	800
17	Blacksod Point	18	98.2	-10	SW	3	PR	49	92	47	7	9	-	-	10	10	2500
18	Malin Head	84	98.6	-12	—	0	bc	49	92	47	8	5	-	-	4-6	4-6	2500
	Aldergrove	268	99.7	-8	ESE	1	bc	51	97	50	7	5	-	-	4-6	4-6	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	97.5	-34	SW	5	r°r°	49	92	47	7	6	-	-	10	10	1500
	Roches Point	22	01.2	-6	SW'S	4	bc	51	85	47	8	3	-	-	4-6	4-6	1500

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

Stations	Barom. at M.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)	Cloud 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)	07.5	+4	SW	3	o	56	75	49	7	8	-	-	9	9	1500	1	*
Croydon	08.7	+4	SW	3	bc	56	75	48	8	2	4	2	4-6	4-6	2000	1	*
S. Farnborough	07.9	+4	WSW	4	bc	54	75	48	8	8	4	4	2-3	4-6	2000	1	*
Boscombe Down	07.5	0	SSW	4	bc	53	85	48	8	2	-	6	2-3	4-6	2500	1	*
Thorney Island	09.0	+6	SW'W	5	pr	56	75	49	8	2	-	1	4-6	4-6	2100	1	
Lympne	09.4	+14	SW	4	c	56	85	49	8	1	-	-	4-6	9	800	1	§ 4
Manston	09.1	+2	WSW	4	c	56	75	49	8	5	-	-	9	9	1800	0	*
Shoeburyness	08.6	+14	SW	4	c-bc	57	75	50	8	1	-	-	7-8	7-8	2500	0	*
Felixstowe	07.8	0	SW	4	b-bc	56	75	48	8	1	-	-	2-3	2-3	2500	0	4
Gorleston	06.5	0	SW'W	4	bc	57	85	51	7	8	-	-	4-6	4-6	1000	1	3
Mildenhall	06.2	+6	SW	4	bc	54	85	48	8	1	-	-	4-6	4-6	2500	1	*
Cranwell	04.5	+6	SW'S	4	b	54	85	49	7	5	-	1	Tr	Tr	2000	1	*
Birmingham	04.8	0	SSW	3	c	50	92	48	7	5	-	-	9+	9+	2500	1	*
Upper Heyford	05.7	+2	SW	3	c-bc	52	85	47	8	5	-	2	4-6	7-8	1500	1	*
Ross-on-Wye	05.1	0	SW'W	4	c-bc	53	85	47	7	2	-	3	7-8	7-8	2500	1	*
Hartland Point	02.5	-16	SW	5	ir	53	85	50	8	8	2	-	4-6	9+	1500	1	5
Bristol	06.6	-2	SW	4	c-bc	52	85	47	8	2	7	8	1	7-8	2500	1	*
Portland Bill	08.7	+2	SW	4	c	55	92	53	8	5	7	-	7-8	10	4000	1	4
Plymouth	06.8	-4	WSW	6	ir	54	92	53	7	5	2	-	9	10	1500	1	3
The Lizard	07.2	-6	SW'W	5	ic	55	92	52	7	5	2	-	7-8	10	800	1	3
Scilly (St. Mary's)	03.9	-16	SW'W	6	c/r	53	92	51	7	6	2	-	7-8	9+	1000	1	5
Guernsey																	
Pembroke	01.2	-24	SW	6	rr	52	92	50	7	6	2	-	4-6	10	1500	1	5
Holyhead (Valley)	01.0	-8	S'W	5	b-bc	54	85	49	8	2	6	3	1	2-3	2000	1	4
Chester (Sealand)	02.5	+2	S	1	c-bc	54	75	46	8	1	4	9	4-6	7-8	2500	0	*
Manchester	03.2	+2	S	4	bc	53	85	47	8	2	4	1	4-6	4-6	2000	1	*
Spurn Head	02.5	0	SW'S	5	bc	54	75	46	7	7	-	-	4-6	4-6	2500	1	4
Catterick (Sc.)	02.2	-2	SSW	1	c	52	85	49	8	8	7	2	2-3	9	3000	1	*
Tynemouth	01.7	-6	SW	2	ir°	51	92	49	6	-	2	-	10	10	1800	1	2
St. Abbs Head	99.2	-18	SW	3	r°r°	49	97	49	6	5	2	-	7-8	10	3000	1	3
Leuchars	98.8	-20	-	0	r°r°	50	97	50	5	6	2	-	4-6	10	400	1	*
Renfrew (Abbots I.)	99.3	-10	ESE	1	z°	53	92	50	6	5	7	-	7-8	9+	1400	1	*
Eskdalemuir	99.6	0	S	1	c	48	92	47	7	5	-	-	10	10	1500	1	*
Point of Ayre	99.8	0	SW'S	3	bc	54	75	48	8	3	4	1	2-3	4-6	1000	1	2
Tiree	97.2	-14	SE'E	3	c/r	52	92	50	8	5	4	-	7-8	9+	1000	1	3
Stornoway	98.9	-20	E	6	ir°	51	92	48	7	5	2	-	7-8	10	2200	1	4
Dalwhinnie	99.0	-14	-	0	ir°	46	97	45	5	5	-	-	10	10	1500	1	
Aberdeen †	00.0	-26	E	3	rf°	49	97	49	3	-	-	-	10	10	<150	1	2
Wick	02.0	-22	NE	2	z°	48	97	47	4	5	-	-	10	10	100	0	*
Sumburgh	01.0	-26	ENE	4	c/r	50	97	49	8	5	2	-	9	10	1800	1	3
Blacksod Point	94.6	-12	ESE	3	c/pr	51	85	47	8	9	-	-	9	9	1500	1	3
Malin Head	96.4	-10	S'W	2	bc	51	75	43	8	2	7	-	2-3	4-6	2500	1	1
Aldergrove	98.2	-6	SSE	2	bc	49	85	46	7	5	-	2	2-3	4-6	1500	1	*
Birr Castle	95.2	-30	S	3	ir	49	92	47	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	95.4	+4	SW'W	4	c-bc	52	85	48	8	3	-	-	7-8	7-8	2500	1	4
Roches Point	96.5	-10	SW	4	c-bc	53	92	51	8	3	4	5	2-3	7-8	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 31st Hrs. (38)
London (Kew)	67	52	46	-	3	4.8
Croydon	68	49	45	-	2	7.7
S. Farnborough	66	43	42	-	1	6.2
Boscombe Down	62	44	44	-	2	2.8
Thorney Island	62	51	48	-	3	*
Lympne	67	50	47	-	3	10.3
Manston	65	52	50	-	0.3	10.0
Shoeburyness	72	53	49	Tr	1	7.3
Felixstowe	68	50	52	0.1	0.4	8.4
Gorleston	64	51	50	-	1	11.4
Mildenhall	70	52	51	-	2	7.6
Cranwell	68	50	48	-	1	7.3
Birmingham	62	47	42	.	3	1.2
Upper Heyford	63	47	39	-	2	*
Ross-on-Wye	63	48	44	0.2	3	1.8
Hartland Point	59	51	50	7	4	0.0
Bristol	62	48		0.4	4	3.1
Portland Bill	58	52	*	0.1	0.2	*
Plymouth	59	51		8	3	0.0
The Lizard	57	52	48	19	1	0.3
Scilly (St. Mary's)	60	51	*	9	2	2.8
Guernsey						
Pembroke	56	49	*	9	6	0.0
Holyhead (Valley)	61	50	*	3	3	*
Chester (Sealand)	64	50	42	0.5	1	1.1
Manchester	65	48	45	-	2	*
Spurn Head	55	52	*	-	2	3.6
Catterick (Sc.)	65	50	50	Tr	4	2.7
Tynemouth	57	50	49	0.3	3	*
St. Abbs Head	60	47	*	Tr	9	
Leuchars	58	49	49	2	8	3.2
Renfrew (Abbots I.)	63	50	46	0.3	9	2.3
Eskdalemuir	61	47	47	2	10	1.6
Point of Ayre	60	49	*	3	3	0.1
Tiree	55	49	48	1	11	0.0
Stornoway	58	48	47	0.6	6	2.6
Dalwhinnie	58	45	44	0.4	9	0.7
Aberdeen †	53	47	47	-	6	2.4
Wick	54	47	46	-	-	*
Sumburgh	52	47	45	Tr	0.1	6.6
Blacksod Point	58	48	*	3	1	
Malin Head	55	45		2	0.2	0.0
Aldergrove	54	45	43	1	6	0.0
Birr Castle	65	43	40	1	2	5.3
Valentia Obsy.	59	48	44	0.1	9	8.1
Roches Point	59	51	*	2	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 31st May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	17	01752	12414	5-	02747	10427	5-	02748	08328	5-	02418	08428
115	87	02964	10226	51	02854	10497	52	02844	45527	--	67109	08469
203				5-	02848	08228						
206	87	61865	06267	57	22864	12468	52	64525	08468	5-	64618	06268
210	23	02854	11326	57	61974	10327	5-	02648	10268	02	62528	09368
216	87	02864	45528	57	02863	12468				52	02856	08368
230	17	02964	12227	17	61861	12168	52	64645	00068	57	02864	07267
245	5-	45208	07448	5-	08428	07348	02	62418	06368	02	62418	12268
260	57	02855	14328	52	61445	00068	5-	45328	00068			
278	17	02741	14468	57	62846	10368	52	02745	13468			
279	82	22745	12167	52	61654	15388	02	62568	08168	87	01853	18466
285	22	81745	12588							27	21634	24556
288	87	02754	12318	07	02790	12388	52	22665	16268	62	22645	18168
575	62	51636	14368	21	02864	12226	51	02854	20165	24	02845	00026
301	57	02764	15427	62	64646	16368	62	22656	12268	84	10854	20465
[illegible]	87	02764	18227	87	02764	18327	57	61665	15268	00	05690	20463
[illegible]	--	46209	16249	5-	05548	12228	50	05645	22215	80	25744	22484
292	27	05654	16227	07	05690	10227	5-	62668	14168	27	22752	23263
310	--	02626	20526							--	02626	20516
614	87	02765	20228	77	02754	18228	52	62557	17258	50	05554	20315

III	13h. G.M.T. 31st May $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	57	02853	14568	67	22844	47568	30	02744	16224	54	02745	17516
334	--	25646	26287							--	02644	26315
340	27	02854	18427	77	81855	20328	62	64645	16328	17	02954	18316
136	8-	02755	20317	57	02764	20328	5-	61777	16327	10	01743	204363
330	13	02753	18428	52	02756	20428				13	25754	20486
350		02853	20325	47	02853	27227	5-	62767	16368	54	01844	20414
368	52	02845	16428	5-	64643	18368	80	01743	20483	87	02743	55487
379				57	61853	20268	5-	22628	16468	5-	02727	20317
390	27	02864	18227	57	02775	16327	5-	62468	16268	5-	05625	20365
382							52	61745	17368	50	01843	21461
438	70	01756	20316	87	25754	20287	8-	03748	22468	85	02744	20615
430	04	02880	16217	57	22875	17268	52	646·6	16468	20	02755	18515
40[illegible]	52	64634	48568	5-	62628	21468	5-	81844	17424	52	64625	18563

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

Stations	Weather Morning	Afternoon	Night
Kew	bcczcy	cy	cgrcw
Croydon	ccy	cwcir	cirbc
Greenwich	cy	c ⊗y	r°crbcy
Camden Square	c	c	*
Kensington	bc	bcc	*
Hampstead	bcp	bcor	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0.1. Min. Time whole period.

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	67	52	46	-	3	4.8	*	*
Croydon	68	49	45	-	2	7.7	*	*
Greenwich	70	50	43	-	1	5.2	46	56
Westminster	67	52	49	1			51	61
Regents Park		51	46	-	1		46	65
Camden Square	69	51	48	-	1	*	*	58
Kensington	69	51	46	-	2		52	60
Hampstead	68	48	43	Tr	3		*	67

SECRET

Page 1

BRITISH SECTION

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

Wednesday 2nd June 1943

No 29777

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

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)	07.0	-2	SW'S	4	pr	58	65	48	8	8	7	-	9	10	1500
	Croydon	08.7	0	SW	4	pr	59	65	48	8	9	-	-	2-3	9+	1500
	S. Farnborough	07.2	-4	W'N	7	cq	60	75	51	7	7	7	-	9	9+	1800
	Boscombe Down	06.4	-8	SSW	6	rr	54	97	53	6	6	2	-	9+	10	800
	Thorney Island	08.8	+6	S'W	6	c/pr	58	75	50	8	6	7	-	7-8	10	1500
	Lympne	10.0	0	SW	2	c	59	65	49	8	9	6	-	7-8	9	1500
	Manston	08.9	0	SW	6	c	60	55	44	8	2	-	-	9	9	2000
2	Shoeburyness	08.9	0	SW	5	c/pr	60	75	50	8	2	7	-	4-6	9+	2500
	Felixstowe	07.4	-2	SSW	5	c/pr	61	55	46	8	8	7	-	4-6	9+	4000
	Gorleston	06.1	-2	SW	5	c	63	55	44	7	5	-	-	9+	9+	1200
	Mildenhall	05.7	-4	SW	5	ir.	60	55	46	8	5	2	-	9+	10	2500
	Cranwell	03.7	-6	S'W	5	c	57	75	49	8	1	7	-	2-3	9+	2000
3	Birmingham	02.5	-10	SSW	4	c/pr	55	75	47	8	8	-	-	9+	9+	1500
	Upper Heyford	04.3	-12	SSW	4	r.r.	55	85	50	7	8	7	-	7-8	9+	1500
4	Ross-on-Wye	02.7	-14	SW	5	ir	55	85	51	7	6	1	-	9	9+	2000
5	Hartland Point	01.4	0	WSW	6	bc	54	92	52	7	2	6	3	4-6	4-6	1500
	Bristol	04.1	-14	SSW	5	PR	58	75	51	6	9	-	-	10	10	1300
	Portland Bill	07.2	-6	SW	5	c	56	92	54	7	5	-	-	10	10	2500
	Plymouth	06.3	-2	SW	6	z.	57	92	54	6	5	2	-	9	10	800
	The Lizard	06.3	+4	SW	7	c	58	85	52	7	6	5	-	7-8	9	1500
	Scilly (St. Mary's)	04.5	+8	WSW	6	c-bc	58	75	50	7	1	6	-	4-6	7-8	1200
	Guernsey															
6	Pembroke	00.4	+4	WSW	6	c-bcq	55	85	51	7	8	-	-	7-8	7-8	2000
7	Holyhead (Valley)	97.6	-10	SW	5	c	56	92	51	7	8	6	-	7-8	9	2000
	Chester (Sealand)	00.5	-14	SSW	2	PR	53	92	51	7	8	-	-	9+	9+	1200
8	Manchester	00.6	-18	S'E	6	pr	55	75	48	6	9	-	-	10	10	2000
10	Spurn Head	03.3	-6	SSW	6	c	61	55	45	7	7	7	-	4-6	9+	2500
	Catterick (Sc)	00.4	-6	SSW	4	pr	58	65	46	7	8	-	2	7-8	10	1500
	Tynemouth	00.0	-10	SSW	3	c-bc	62	75	50	7	2	3	1	4-6	7-8	2200
11	St. Abbs Head	97.4	-6	SW	4	c-bc	59	65	43	8	1	4	-	4-6	7-8	3500
	Leuchars	96.4	-14	SW	1	c	61	55	47	8	8	6	-	7-8	9	2500
12	Renfrew (Abbots I.)	96.5	-16	SSW	3	c-bc	62	45	41	9	2	-	5	4-6	7-8	2000
	Eskdalemuir	97.5	-10	S'W	4	bc	55	65	44	8	7	-	2	2-3	4-6	3200
	Point of Ayre	95.5	-34	S'E	6	c/r	52	55	40	8	9	-	-	9+	9+	600
13A	Tiree	96.0	-6	S	2	c-bc	55	85	51	9	1	4	8	Tr	7-8	3000
13B	Stornoway	96.8	-10	E	3	rr	50	97	49	6	5	2	-	9	10	2200
15	Dalwhinnie	97.0	-12	SSW	1	o	51	85	46	7	5	-	-	10	10	1500
	Aberdeen	96.5	-16	SW	2	c	56	85	50	8	2	7	-	4-6	10	2000
	Wick	97.5	-20	ENE	1	r.r.	49	97	49	4	5	-	-	10	10	200
16	Sumburgh	00.0	-14	E'S	4	c/d	50	97	50	4	5	-	-	10	10	<150
17	Blacksod Point	03.7	-2	S'W	2	iR	53	92	51	8	6	2	-	7-8	10	1500
18	Malin Head	94.1	-10	S'E	2	c-bc	55	55	40	9	2	7	1	2-3	7-8	2500
	Aldergrove	94.3	-20	SSE	2	id.	53	75	46	8	5	2	-	4-6	10	1800
19	Birr Castle	95.0	+2	WSW	3	pr	54	85	50	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	97.7	+10	WSW	5	c	57	75	49	8	2	-	-	7-8	9	1500
	Roches Point	97.8	+10	W'S	4	bc	58	75	50	8	3	-	3	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	05.2	-12	SW	5	c	59	65	48	8	9	4	-	7-8	9+	800	1	*
Croydon	07.1	-10	WSW	3	pr	57	75	50	8	9	6	-	9	9	2000	1	*
S. Farnborough	05.6	-4	SW'W	5	bc	58	75	49	8	8	7	-	4-6	4-6	1200	1	*
Boscombe Down	05.3	-6	SW	5	c	55	75	49	7	8	6	-	7-8	9	2000	1	*
Thorney Island	07.3	-14	SW	5	cbcjp	57	85	52	7	8	-	-	7-8	7-8	1500	1	*
Lympne	08.4	-10	SW	5	cbc	56	85	52	8	1	3	-	4-6	9	1800	0	§ 4
Manston	07.5	-8	SW'S	4	pr	59	65	47	8	2	6	5	4-6	7-8	1800	0	*
Shoeburyness	07.8	-8	E	6	c/bc	59	65	49	8	2	3	-	7-8	7-8	2500	0	*
Felixstowe	05.9	-4	SSW	6	bbc	61	65	50	8	8	-	-	4-6	4-6	3000	0	4
Gorleston	04.8	-8	SWS	5	pr	63	55	49	7	8	4	-	4-6	4-6	2000	0	4
Mildenhall	04.3	+8	S'W	4	pr	53	92	50	8	8	-	-	9+	9+	2500	1	*
Cranwell	01.0	-18	S'W	5	c-bc	60	75	53	7	2	7	1	4-6	7-8	2000	1	*
Birmingham	01.0	-2	SW	4	b-bc	58	65	46	8	2	-	-	2-3	2-3	2500	1	*
Upper Heyford	03.5	-4	SW	4	cbc/pr	53	85	50	8	2	6	-	4-6	7-8	2800	1	*
Ross-on-Wye	01.9	-4	WSW	5	bc	57	65	46	8	8	-	-	4-6	4-6	3000	1	*
Hartland Point	01.0	-8	SE'E	6	cbcq	55	92	53	7	3	6	-	4-6	7-8	1000	1	5
Bristol	03.8	-2	SW	4	c/pr	56	85	51	8	8	-	-	7-8	9+	1500	1	*
Portland Bill	06.0	-6	SW	5	c	59	92	57	7	5	-	-	10	10	4000	1	5
Plymouth	05.4	-10	WSW	6	z.	56	92	54	6	8	7	-	4-6	7-8	1400	1	4
The Lizard	05.2	-2	SW	7	bc	56	85	52	7	2	-	-	4-6	4-6	1500	1	4
Scilly (St. Mary's)	04.5	-2	W'S	6	c	55	85	49	7	8	7	-	7-8	9+	1000	1	5
Guernsey																	
Pembroke	00.6	0	WSW	6	bcq	55	85	50	7	2	7	-	4-6	4-6	2500	1	4
Holyhead (Valley)	97.1	-4	SW'S	5	c/pr	54	85	51	7	8	7	-	7-8	9+	2000	1	5
Chester (Sealand)	99.3	-10	WSW	3	c-bc	59	65	46	8	2	-	8	4-6	7-8	2500	1	*
Manchester	99.0	-10	SSW	5	bc	60	65	49	8	3	6	3	4-6	4-6	2000	1	*
Spurn Head	01.3	-10	SW	3	cbcl	56	75	48	7	3	9	-	4-6	7-8	1500	0	3
Catterick (Sc)	97.7	-24	SW	3	pr	53	85	49	7	9	6	-	7-8	9	1000	1	*
Tynemouth	97.2	-12	S	5	bc	58	65	48	7	2	3	1	4-6	4-6	2500	1	2
St. Abbs Head	95.9	-6	SSE	3	c/r	53	92	51	8	5	6	-	4-6	9	3800	1	3
Leuchars	94.7	-10	E	1	c/r	55	75	48	7	4	7	-	7-8	9+	3000	1	
Renfrew (Abbots I.)	94.0	-22	ESE	2	r.r.	53	92	51	6	5	-	-	7-8	10	1200	1	*
Eskdalemuir	94.3	-20	S'E	3	rr	50	92	48	6	-	2	-	10	10	800	1	*
Point of Ayre	94.7	0	SW	4	c	56	75	47	8	2	9	9	1	9	2000	1	*3
Tiree	94.2	-10	N	2	b-bc	54	85	49	9	1	-	8	1	2-3	3000	0	2
Stornoway	94.1	-18	NNW	2	r.r.	50	97	49	6	8	7	-	7-8	9+	1800	1	1
Dalwhinnie	94.5	-10	S	3	c	51	75	41	7	5	6	-	7-8	9+	2500	1	
Aberdeen	95.4	-10	SSE	3	z.	54	75	47	6	3	9	3	Tr	4-6	4000	1	*2
Wick	94.9	-12	SSW	1	ir.	50	97	49	6	5	-	-	9+	9+	5000	1	*
Sumburgh	97.0	-20	SE'E	5	d.d.	50	97	50	6	5	-	-	10	10	200	1	3
Blacksod Point	93.6	+2	W'S	2	c	54	85	50	8	8	-	-	9	9	2500	1	3
Malin Head	92.7	-8	-	0	pr	52	85	48	8	8	2	-	4-6	9	2500	1	1
Aldergrove	92.9	-4	SW	3	ir.	53	85	47	8	8	2	-	7-8	9+	1500	1	*
Birr Castle	95.3	+2	WSW	3	c-bc	57	65	45	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	97.8	-2	SW'W	5	c	55	85	51	8	2	-	-	9	9	1500	1	4
Roches Point	98.2	-2	WS	5	c-bc/pr	54	92	52	8	3	3	3	4-6	7-8	1500	1	

PAST 24 HOURS — WEATHER

Stations	7h.–13h. 1st (39)	13h.–18h. 1st (40)	18h. 1st to 1h. 2nd (41)	1h.–7h. 2nd (42)
London (Kew)	kqprpr.	cpr pr.c	cbc	bcebc
Croydon	ccpr.	cpr.	cbcpr.b.	bccpr.
S. Farnborough	cprc	cpropr.cbc	becpr.bcir.	c,ir.bwcprbc
Boscombe Down	crrm.	crrm.crr	cprbprc	cpr.bcc
Thorney Island	bcpr.c	cpr.c	cor.bcm.	cpr.c
Lympne	bcir.c	cbcpr.	bccprc	cpr.
Manston	cbc pr.c	cbcyvpr.bc		bcb
Shoeburyness	cyir.	cpr	cpr	cpr
Felixstowe	bcr.cy	cypr.c	cbc	bcebc
Gorleston	bcc	bccr.	bc	bc
Mildenhall	bcceyir.	cyir.pR	cprc	cbc
Cranwell	b,cir.	cir.rrc	bcb	bcpr.
Birmingham	cpr	cprbc		bcpr.
Upper Heyford	bcc ir.cr.r.	cr.r.cpr.m	cpr.bc	bcc
Ross-on-Wye	ccir	cbc	cdcrc	cccir
Hartland Point	irrrc	bccrc	cprbc	bccpr
Bristol	cr.r.m.pr.	cpR pr	ccpr.pr.	cpr.bc
Portland Bill	o	c	corr	oc
Plymouth	cr.r.m.oir.	cm.oir.	cm.prc	cpr.
The Lizard	cir.pr	cprbc	cprbc	bccjr.bcpr
Scilly (St. Mary's)	cir.p	circ	cp.c	circ
Guernsey				
Pembroke	ircq	cbcq	bcprq	cqrr
Holyhead (Valley)	crrbc	cprc	cpr.bc	cprc
Chester (Sealand)	cr.PR	cprbccy	cm.rr	cm.rrr.r.
Manchester	bccpr.	pr pR	bccm.pr.	cprpr.
Spurn Head	c	ctl	cbc	cpr
Catterick (Sc)	c	cpr.	bccpr.	cpr.
Tynemouth	oir.moc	cp.qbc	bcptlbcc	coirm.
St. Abbs Head	bc	bccr.c	cr.bc	bc
Leuchars	r.m.tlrcy	bccy r.r.ccir.c		cbcrc
Renfrew (Abbots I.)	bcc	cycpr.cr.r.m.r.r.ccm		r.r.cm.r.r.cm
Eskdalemuir	cpr.bc	cpr.rrm.	rrm.RR	cRRc
Point of Ayre	crr	rr	cprbc	c
Tiree	c	cb	bcb	cwfgcw
Stornoway	cir.r.r.m.	crrr.r.m.	cr.r.m,ccm.	cm.cfgc
Dalwhinnie	•c	oirc		cir.o
Aberdeen	orrffc	cpr.bcz-	bccpr.bcw	bcw
Wick	omr.r.	omr.r.,mir.	cir.c	cm.c
Sumburgh	cid.d.d.fcm	cr.r.m.cd	bcm.	bccrrm.
Blacksod Point	r	c	bc	pr
Malin Head	bc	r	c	bc
Aldergrove	ccid.	id.ccrr	ir.cr.r.	c
Birr Castle	pr	pr	•	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	pr	pr	pr

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

Districts	Forecast
1 S.E. England ✝, 2 E. England	Moderate to fresh southwest to west winds, strong locally; occasional thundery rain or showers, some bright intervals; very cool.
3 E. Midlands, 4 W. Midlands	Variable winds, finally westerly fresh; occasional thundery rain or showers, some bright intervals; very cool.
5 S.W. England ✝, 6 South Wales ✝, 7 North Wales, 8 N.W. England	Fresh to strong west to northwest winds, gale locally on coasts at first, moderating; occasional thundery showers, some bright intervals; very cool.
9 N. Midlands, 10 N.E. England	As 3-4.
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland	Light or moderate variable winds; occasional thundery rain or showers; cool.
13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate easterly wind; cloudy with occasional rain or showers; cool.
16 Orkneys and Shetlands	As 13B-15.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Fresh northwesterly winds; occasional thundery showers some bright periods, especially later; cool.

GENERAL INFERENCE

A complex depression covering the British Isles is moving slowly east. Weather will be generally cool and unsettled, with occasional thundery rain or showers in all districts.

FURTHER OUTLOOK

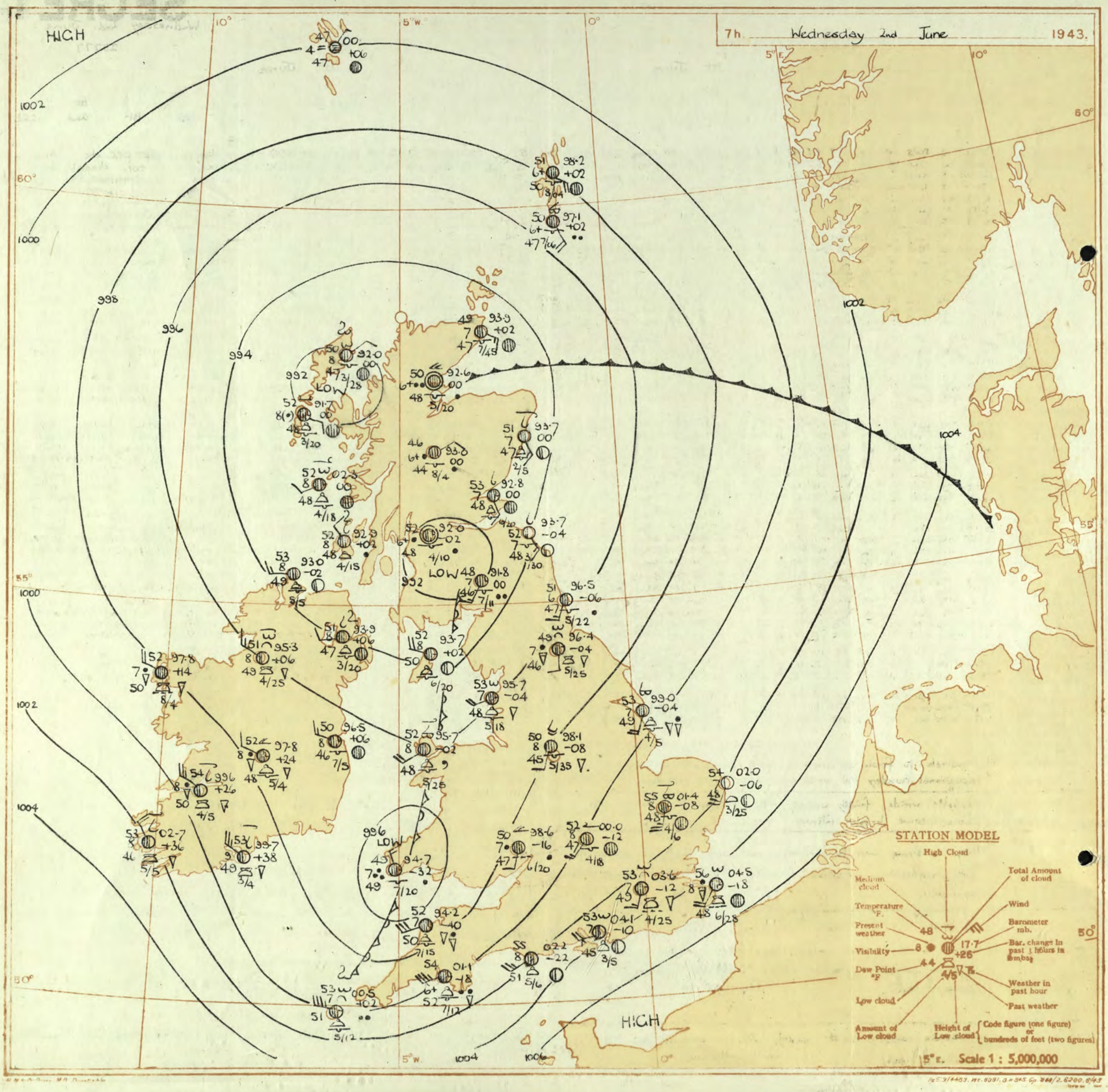
Continuing cool and unsettled.

✝ Gale warning in operation in district 1 (part of) issued 0746 G.M.T 2nd June. 1943. in districts 5 and 6 issued 0240 GMT. 2nd June 1943.

Forecasts issued at 10.30

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

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


7h. Wednesday 2nd June 1943.
HIGH
LOW
STATION MODEL
High Cloud
Medium cloud
Total Amount of cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past ¼ hours in 8mbs
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

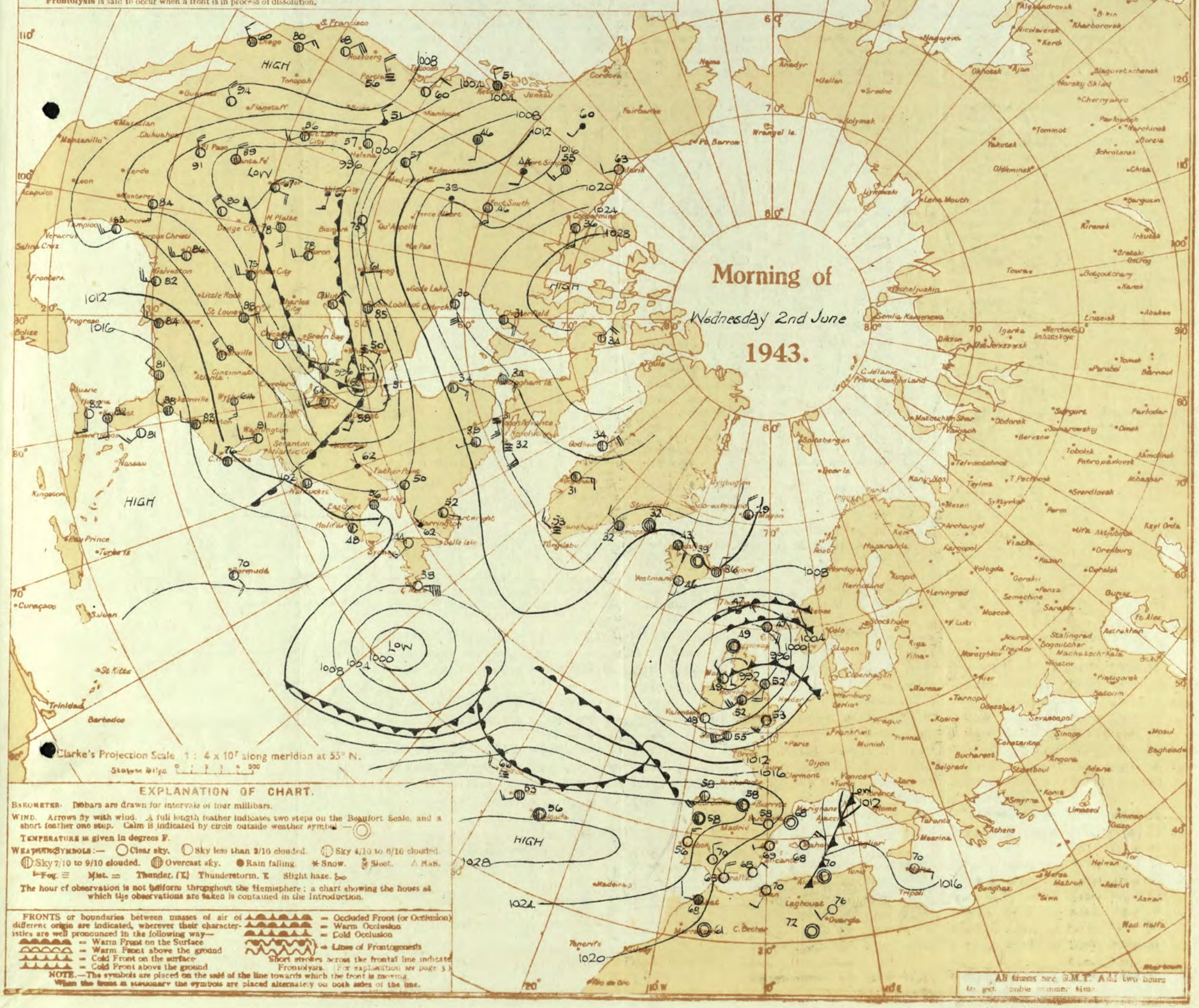
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Wednesday 2nd June 1943
No. 29777

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp °F (6)	Humid % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	05·6	-8	SW'S	3	b-bc/pr	53	92	50	7	5	4	-	1	2-3	2000
	S. Farnborough	226	04·3	-10	SW	3	ir$_o$	53	85	49	7	5	1	-	2-3	4-6	1400
	Boscombe Down	417	04·9	-4	SSW	4	pr	51	92	49	6	8	-	-	10	10	3000
	Thorney Island	10	06·1	-10	SW	5	b-bc/pr	55	85	50	6	5	-	-	2-3	2-3	1500
	Lympne	283	06·7	-14	SSW	4	c	53	97	51	7	2	·	-	9+	9+	2000
	Manston	154	06·8	-10	SW	3	bc	53	75	48	7	2	6	-	2-3	4-6	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04·5	-12	SSW	5	bc	57	75	49	7	5	-	-	4-6	4-6	2500
	Gorleston	5	04·3	-6	SW'S	4	b-bc	53	85	48	7	5	-	-	2-3	2-3	1500
	Mildenhall	15	03·0	-8	SSW	4	c-bc	53	85	49	7	8	-	-	4-6	7-8	2300
	Cranwell	203	00·8	-8	S'W	4	b	50	92	48	7	4	-	-	1	1	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	02·2	-10	SW'S	3	c-bc	50	92	47	7	5	-	-	7-8	7-8	1600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00·5	-10	WSW	6	bc	53	92	51	7	2	-	-	4-6	4-6	1500
	Bristol	209	02·9	-10	SSW	4	pr	51	85	48	7	8	7	-	4-6	9+	2500
	Portland Bill	32	05·1	-6	SW	5	rr	54	92	52	7	5	-	-	10	10	2500
	Plymouth	82	04·9	-14	WSW	5	c	54	92	52	7	8	-	2	7-8	9+	1500
	The Lizard	240	04·8	-8	WSW	6	bc	52	92	51	7	8	-		4-6	4-6	1000
	Scilly (St. Mary's)	163	03·5	-12	WSW	6	c-bc	53	85	49	7	8	6	-	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	99·6	-8	W'S	6	c-bc/pr	52	85	48	8	8	-	·	7-8	7-8	2500
7	Holyhead (Valley)	32	96·5	-6	SW	5	c-bc	52	92	50	8	8	7	-	2-3	7-8	2000
	Chester (Sealand)	16	98·1	-8	SSW	2	rr	52	85	48	6	5	2	-	9	10	2500
8	Manchester	235	98·7	-8	S'E	4	pr	51	85	47	6	9	-	-	10	10	2700
10	Spurn Head	29	00·6	-8	SSW	5	bc	52	92	49	7	7	7	-	2-3	4-6	2500
	Catterick (Sc)	192	97·4	-4	SSW	2	pr	50	85	47	7	5	-	-	10	10	2500
	Tynemouth	108	97·2	-4	S	4	c-bc	52	85	48	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	95·1	0	SE	3	c-bc	47	97	47	7	5	4	-	4-6	7-8	2500
	Leuchars	36	93·4	-6	-	0	c/r	51	85	47	7	5	2	-	9	10	1500
12	Renfrew (Abbots I.)	19	92·7	-6	S	2	ir$_o$	51	85	47	6	5	2	-	4-6	10	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	94·5	-4	SW'W	4	b-bc	49	85	45	8	3	4	-	1	2-3	2500
13A	Tiree	44	03·0	-4	NW	2	b-bc	45	97	45	8	5	3	2	1	2-3	1000
13B	Stornoway	15	92·3	-2	-	0	Z$_o$	45	97	44	6	5	3	-	7-8	7-8	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	94·3	-8	SSE	2	c-bc/r	48	97	48	6	8	3	-	2-3	7-8	1200
	Wick	114	94·4	-6	SE	1	c/r	49	92	46	7	5	3	-	4-6	9+	3500
16	Sumburgh	19	97·3	+2	SE	4	bc	49	92	47	7	5	-	-	4-6	4-6	200
17	Blacksod Point	18	95·6	+10	NNW	3	c-bc	51	85	47	8	8	-	-	7-8	7-8	2500
18	Malin Head	84	93·0	0	WNW	1	bc	49	85	45	8	8	7	-	2-3	4-6	2500
	Aldergrove	268	93·2	+2	WSW	1	ir$_o$	49	92	47	7	5	2	-	7-8	9+	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	95·8	-12	NE'N	2	bc/pr	50	97	50	8	3	-	-	4-6	4-6	2500
	Roches Point	22	97·0	-20	W'S	4	c-bc/pr	51	92	49	8	3	-	3	4-6	7-8	1500

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

Stations	Barom. at M.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)	02·2	-12	SW'W	3	bc	55	75	48	7	7	3	9	4-6	4-6	2500	1	*
Croydon	03·6	-12	SSW	3	c	53	85	49	7	9	6	-	4-6	9	2500	1	*
S. Farnborough	01·8	-14	SW	3	c-bc	54	85	48	8	8	7	-	4-6	7-8	1200	0	*
Boscombe Down	01·5	-18	SSW	4	c/pr	52	97	49	7	3	-	3	7-8	9+	2000	1	*
Thorney Island	04·1	-10	WSW	4	c-bc	53	75	45	7	2	3	-	2-3	7-8	2500	1	*
Lympne	04·4	-10	WSW	3	c/pr	53	97	53	7	9	6	-	4-6	9	600	1	§ *5
Manston	04·5	-18	SW	4	PR	56	75	48	8	9	3	-	9	9+	2800	0	*
Shoeburyness	04·3	-12	SW	4	pr	56	85	52	8	8	4	-	7-8	9	1500	1	*
Felixstowe	03·1	-2	SW'S	4	bc	56	75	49	8	1	3	9	2-3	4-6	2500	0	5
Gorleston	02·0	-6	SW'S	4	b-bc	54	85	48	7	1	-	·	2-3	2-3	2500	0	3
Mildenhall	01·4	-8	SSW	5	c	55	75	48	8	5	7	1	4-6	9+	4000	1	*
Cranwell	99·1	-6	SSW	4	c-bc/pr	52	85	47	8	2	-	2	2-3	7-8	2000	1	*
Birmingham	98·7	-8	SSW	3	c	50	85	46	7	8	7	-	7-8	9+	1500	1	*
Upper Heyford	00·0	-12	SSW	3	c-bc	52	85	47	8	5	-	5	4-6	7-8	1800	1	*
Ross-on-Wye	98·6	-18	S'W	2	ir$_o$	50	92	47	7	6	2	-	9	10	2000	1	*
Hartland Point	94·2	-40	WSW	6	c/pr	52	92	50	7	8	-	-	9+	9+	1500	1	5
Bristol	99·7	-22	SSW	4	c	54	75	46	8	5	7	-	7-8	9+	4000	1	*
Portland Bill	02·2	-22	SW	5	c-bc	55	85	51	8	2	-	-	7-8	7-8	4000	1	*5
Plymouth	01·1	-18	WSW	7	c/pr	54	92	52	6	8	-	-	9+	9+	1200	1	4
The Lizard	00·6	-4	WSW	7	c/r	53	92	51	7	5	2	-	7-8	9+	1500	1	5
Scilly (St. Mary's)	00·5	+2	W'N	7	c/r	53	92	51	7	8	6	9	7-8	9	1200	1	6
Guernsey																	
Pembroke	94·7	-32	NNW	3	rr	49	97	49	7	5	-	-	9+	9+	2000	1	4
Holyhead (Valley)	95·7	-2	SW'W	4	c-bc	52	85	48	8	8	7	1	7-8	7-8	2500	1	3
Chester (Sealand)	96·8	-6	SSW	1	c	53	85	49	8	8	3	2	7-8	9	3000	1	*
Manchester	97·1	-8	S'W	4	c/pr	51	85	46	8	4	6	3	4-6	9	2000	1	*
Spurn Head	99·0	-4	SSW	4	c-bc/pr	53	85	49	7	8	7	-	4-6	7-8	2500	1	3
Catterick (Sc)	96·4	-4	S	2	PR	49	85	46	7	3	6	-	7-8	9	2500	1	*
Tynemouth	96·5	-6	SSW	3	Z$_o$	51	85	47	6	5	-	-	7-8	7-8	2200	1	2
St. Abbs Head	93·7	-4	SE	3	bc	52	85	48	7	5	4	-	2-3	4-6	3000	0	4
Leuchars	92·8	0	SSE	2	c	53	75	48	7	8	4	-	9	9+	2000	1	*
Renfrew (Abbots I.)	92·0	-2	-	0	ir$_o$	52	85	48	6	5	-	-	4-6	9+	1000	1	*
Eskdalemuir	91·8	0	SSW	3	c/r	48	92	46	7	5	-	-	9+	9+	1100	1	*
Point of Ayre	93·7	+2	W'N	4	ir	52	92	50	8	8	-	-	9	9	2000	1	3
Tiree	02·3	0	WSW	2	c	52	85	48	8	8	3	8	4-6	9+	1800	1	1
Stornoway	92·0	0	NE	2	c-bc	50	92	47	8	5	3	9	2-3	7-8	2800	1	1
Dalwhinnie	93·0	0	NE	2	ir$_o$	46	92	44	6	5	-	-	10	10	1500	1	*
Aberdeen †	93·7	0	SSE	3	c-bc	51	85	47	7	8	4	3	1	7-8	2500	1	2
Wick	93·9	+2	ESE	3	c	49	92	47	7	5	-	-	9+	9+	4500	1	*
Sumburgh	97·1	+2	SE	4	c/r	50	97	49	6	5	7	-	9+	10	600	1	3
Blacksod Point	97·8	+14	W'N	4	pr	52	92	50	7	9	-	-	10	10	1500	1	4
Malin Head	93·0	-2	W	3	c-bc	53	85	49	8	8	-	-	7-8	7-8	2500	1	2
Aldergrove	93·9	+6	W	2	c-bc	51	85	47	8	8	4	6	2-3	7-8	2000	1	*
Birr Castle	97·8	+24	WNW	2	pr	52	85	48	8	8	2	-	7-8	9+	1500	1	*
Valentia Obsy.	02·7	+36	NW'N	4	c-bc	53	75	45	8	3	4	1	7-8	7-8	2500	1	4
Roches Point	99·7	+38	WNW	5	bc	53	85	49	9	3	4	3	2-3	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 1st Hrs. (38)
London (Kew)	60	53	48	2	-	4·3
Croydon	61	51	47	1	3	7·4
S. Farnborough	60	51	43	1	Tr	6·8
Boscombe Down	59	48	47	1	1	3·6
Thorney Island	60	51	48	0·1	1	*
Lympne	61	50	47	Tr	1	10·6
Manston	62	51	49	Tr	-	10·5
Shoeburyness	65	52	48	0·1	1	9·6
Felixstowe	65	53	49	0·1	-	5·[illegible]
Gorleston	66	51	46	Tr	-	9·[illegible]
Mildenhall	65	51	47	2	1	4·3
Cranwell	61	48	46	2	0·1	8·8
Birmingham	60	47	44	2	0·5	5·8
Upper Heyford	58	50	40	5	0·2	*
Ross-on-Wye	60	48	45	2	3	5·0
Hartland Point	55	49	39	3	3	3·4
Bristol	59	49	44	3	2	4·6
Portland Bill	59	51	*	-	5	*
Plymouth	58	52	49	1	1	3·2
The Lizard	59	51	*	1	3	5·5
Scilly (St. Mary's)	59	51	*	0·4	2	6·7
Guernsey						
Pembroke	56	55	*	3	3	4·2
Holyhead (Valley)	59	50	49	3	1	*
Chester (Sealand)	62	49	45	4	4	8·3
Manchester	60	48	46	3	3	*
Spurn Head	61	50	*	Tr	4	7·3
Catterick (Sc)	62	47	43	1	2	5·9
Tynemouth	62	49	47	0·3	3	*
St. Abbs Head	63	46	*	0·3	0·3	*
Leuchars	63	47	42	1	0·5	5·0
Renfrew (Abbots I.)	63	49	44	4	2	5·0
Eskdalemuir	58	45	43	9	10	3·5
Point of Ayre	58	52	*	5	0·3	3·5
Tiree	58	45	41	-	-	7·7
Stornoway	51	44	38	6	0·1	0·0
Dalwhinnie	57	45	45	2	0·6	2·7
Aberdeen †	56	48	43	5	0·1	3·7
Wick	52	47	41	7	Tr	9·0
Sumburgh	51	48	45	2	3	5·0
Blacksod Point	58	48	*	2	1	*
Malin Head	58	47		0·1	-	7·3
Aldergrove	56	48	48	7	2	4·5
Birr Castle	60	47	43	5	0·2	4·6
Valentia Obsy.	58	50	47	1	3	5·2
Roches Point	59	51	*	3	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 1st June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	62418	08368	5-	62628	13268	57	05535	12126	53	05644	11355
115	--	67009	08269	--	67009	10265	52	02854	16224			
203							04	00990	00022			
206		62635	00068	57	02963	00035	53	05654	32156	52	62655	00068
210	52	62534	08368	83	81854	00065	53	02855	09268	53	61856	13227
219	51	02854	08328	20	02853	06325	57	01863	06115	80	10863	11227
230	86	01965	21215	27	02963	21187	52	64857	00068	5-	61856	26267
235	87	25763	15384	87	02952	20317	83	25856	16287	53	02765	16387
260				82	02862	14328	87	05655	24228	52	52755	16228
278	62	62646	12488	97	25834	18287	5-	51748	20388	87	02844	24366
279	52	62847	18588	87	02856	18587	8-	02855	16425	92	82635	19488
285	27	81746	24587							23	25744	24985
288	57	05655	51417	99	81844	18387	56	05654	16414	89	05653	17315
575	81	02856	16187	61	22744	24168	92	81645	00088	36	01854	26384
301	67	61654	17468	86	02745	20485	8-	81756	18466	83	02745	22486
321	87	81754	18427	96	81655	20495	46	05663	18384	87	02754	16466
[illegible]	24	01744	22414	84	22744	22464	40	01753	22413	54	01744	22414
292	52	02765	18428	9-	81755	18395	5-	02755	16225	96	05643	18286
310	--	03638	20568									
614	57	25755	18487	86	02754	20425	8-	05654	18325	23	05643	18425

III	13h. G.M.T. 1st June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	54	01744	54685	53	25744	51525	5-	05657	53567	26	02744	20425
334	--	25646	28217							--	25646	26288
340				3-	25855	22485	5-	61668	16328	37	61854	18385
136	86	02865	20527	84	25565	20487	57	25744	20485	13	02846	20487
336	37	-----	20527	52	25656	20588				57	02754	20316
350				9-	81737	20387	40	01763	20383	57	01844	18425
368	8-	22735	22467	84	02744	22415	40	01744	22414	82	81645	55488
379	67	61726	20467	9-	82735	51486	50	05644	87414	57	01744	20364
390	87	25656	18487	80	05655	51425	52	05664	51426	53	05644	51427
382				86	25746	21387				77	02844	19485
438	57	01753	20614	83	02754	20615	87	02745	21616			
430	53	02745	55527	8-	02746	52525	5-	05645	55725	63	25744	18385
409	86	02834	53626	86	25745	54687	87	81645	22688	8-	25738	55688

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 June
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	kqprpr$_o$	cprpr$_o$c	cbc
Croydon	ecpr$_o$	cpr$_o$	cbcpr$_o$
Greenwich	cyer	rcpc	crbec
Camden Square	c	c	*
Kensington	bc	bcebc	*
Hampstead	bcp	bc	bcp

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended [illegible] Max. T[illegible] [illegible]
Min. Time whole period

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	60	53	48	2	-	4·3	*	*
Croydon	61	51	47	1	3	7·4	*	*
Greenwich	63	51	44	1	1	7·0	68	64
Westminster	62	53	49		1		75	79
Regents Park		52	47	1	Tr		78	68
Camden Square	62	52	49	2	-	*	*	77
Kensington	69	52	47	1	2		67	89
Hampstead	61	49	45	1	Tr		*	71

SECRET

Page 1

BRITISH SECTION

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

Thursday 3rd June 1943

No. 29778

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

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)	97.2	-20	SSW	5	c/pr	59	85	52	7	9	-	3	9	9+	1500
	Croydon	99.2	-26	SSW	4	c/pr	55	92	53	7	9	-	3	7-8	9	2000
	S. Farnborough	97.0	-20	WS	7	cq	58	75	49	8	9	-	-	9+	9+	2000
	Boscombe Down	99.8	+14	W	5	c	54	75	47	7	2	-	-	4-6	10	1000
	Thorney Island	01.4	-14	SW	5	TLR	55	85	51	6	9	3	-	7-8	9+	1500
	Lympne	01.3	-30	SSW	8	c	58	75	49	8	2	-	-	7-8	10	900
	Manston	00.7	-22	SW	6	c	58	75	49	8	8	6	-	7-8	9+	3000
	Shoeburyness	00.9	-14	SSW	6	c/pr	57	85	51	8	9	4	-	7-8	9	1500
	Felixstowe	99.7	-18	SSW	6	c-bc	65	55	49	8	8	6	-	7-8	7-8	2500
	Gorleston	99.7	-12	SSW	6	c/tlr	55	75	48	7	8	-	-	7-8	7-8	1200
	Mildenhall	98.2	-10	S	4	c/pr	57	85	53	8	8	-	-	9+	9+	2500
	Cranwell	97.4	-6	SE'S	1	c	56	75	50	8	8	-	-	9	9	2500
3	Birmingham	97.8	+2	WNW	2	m	52	85	48	4	5	-	-	10	10	1500
	Upper Heyford	95.9	-20	W	3	c	55	75	47	8	8	-	-	7-8	10	2000
4	Ross-on-Wye	98.4	+24	W	3	c	55	85	49	8	8	-	3	9	9+	3000
5	Hartland Point	02.4	+32	WNW	4	bc	56	85	50	8	2	4	-	2-3	4-6	1500
	Bristol	99.9	+50	W	5	pr	55	85	51	7	8	-	-	4-6	4-6	2500
	Portland Bill	01.5	+6	SW	6	c	56	92	54	8	5	-	-	10	10	4000
	Plymouth	04.0	+32	WNW	6	bc	59	75	50	7	8	-	-	4-6	4-6	2200
	The Lizard	05.7	+36	WNW	6	bc	57	85	47	8	8	6	-	4-6	4-6	2000
	Scilly (St. Mary's)	06.6	+24	WNW	6	c-bc	59	75	50	7	8	4	3	2-3	7-8	1200
	Guernsey															
6	Pembroke	01.4	+20	WN	6	bcq	55	85	49	7	2	4	1	2-3	4-6	2500
7	Holyhead (Valley)	98.3	+16	WSW	4	bc	58	75	50	8	2	6	3	2-3	4-6	2000
	Chester (Sealand)	97.1	+8	NW	3	c/pr	58	75	50	7	2	3	-	7-8	9	2500
8	Manchester	97.6	+2	SSW	2	c/pr	54	85	48	8	3	6	-	4-6	9+	1500
10	Spurn Head	97.2	-10	SW'S	3	c-bc	59	65	56	7	7	3	-	4-6	7-8	2500
	Catterick (Sc)	96.3	-6	W	3	c/pr	55	97	54	8	8	7	-	7-8	9+	2200
	Tynemouth	95.8	+12	WSW	7	c/pr	55	75	46	7	8	-	-	9	9	2200
11	St. Abbs Head	92.8	0	SE	4	rr	50	97	50	5	5	2	-	7-8	10	1500
	Leuchars	93.9	+10	E	3	pr	55	85	50	8	8	8	-	7-8	9+	2000
12	Renfrew (Abbots I.)	93.7	+10	SW	3	c	61	55	48	9	2	7	6	4-6	9	2000
	Eskdalemuir	94.2	+20	SW	3	c	54	85	49	8	8	-	2	9	9+	1800
	Point of Ayre	95.7	+8	WS	5	c	60	75	50	8	2	4	4	4-6	9	2500
13A	Tiree	94.3	+16	N	2	cbc	54	85	50	9	8	6	2	2-3	7-8	2000
13B	Stornoway	94.5	+14	NNE	4	cbc	55	85	51	8	3	3	3	2-3	7-8	2800
15	Dalwhinnie	93.5	+6	SW	3	e	51	75	45	7	5	-	-	9+	9+	1500
	Aberdeen	95.2	+12	SE	3	e	55	85	49	7	1	3	3	4-6	10	1000
	Wick	95.6	+4	SE	3	bc	59	85	55	6	8	4	-	2-3	4-6	3000
16	Sumburgh	99.0	+14	SE	4	z	51	97	50	6	5	-	-	10	10	300
17	Blacksod Point	02.3	+22	WNW	6	c	52	85	48	7	6	-	-	10	10	1500
18	Malin Head	93.5	+6	WNW	4	ir	53	85	48	8	5	-	-	9+	9+	2500
	Aldergrove	95.4	+10	WSW	3	pr	52	85	48	7	7	2	-	7-8	10	1000
19	Birr Castle	01.3	+26	WNW	4	c	55	75	47	8	6	2	-	7-8	10	1500
20	Valentia Obsy.	07.4	+26	NWW	5	c/pr	55	85	51	8	2	6	-	9+	9+	2500
	Roches Point	03.7	+22	NNW	5	bc/pr	57	85	53	8	3	-	5	2-3	4-6	1500

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

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)	01.7	+28	SW'W	3	c-bc	56	85	50	7	8	3	-	7-8	7-8	2500	1	•
Croydon	02.3	+18	W'S	3	c	54	85	49	7	3	6	9	7-8	9+	1800	1	•
S. Farnborough	02.1	+18	W'N	4	bc	57	75	49	8	8	6	3	2-3	4-6	2000	1	•
Boscombe Down	03.0	+22	W	4	c-bc	55	75	48	7	8	3	-	4-6	7-8	2500	1	•
Thorney Island	03.4	+18	W'N	4	c/pr	58	65	47	9	8	3	-	7-8	9+	4000	1	•
Lympne	02.3	+18	SSW	3	pr	51	92	49	8	2	6	-	7-8	9	2500	1	§ 5
Manston	00.6	+6	WSW	4	c/r	52	85	48	8	5	7	-	7-8	10	600	1	•
Shoeburyness	00.5	+20	WSW	4	c-bc/r	55	86	51	6	5	9	-	4-6	7-8	2500	1	•
Felixstowe	98.3	+2	W	3	c	54	85	49	7	5	-	-	9+	10	2500	0	3
Gorleston	97.7	0	SW'W	3	c-bc	58	75	51	7	8	-	-	7-8	7-8	1000	1	3
Mildenhall	99.0	+18	W	3	pr	54	97	53	7	8	7	-	7-8	9+	4000	1	•
Cranwell	98.8	+10	WNW	3	c-bc	59	75	50	8	2	3	-	4-6	7-8	2000	1	•
Birmingham	00.2	+10	W	3	c	57	55	41	8	8	-	-	9+	9+	2500	1	•
Upper Heyford	00.2	+22	W'N	4	bc	59	65	46	8	3	6	3	4-6	4-6	2500	1	•
Ross-on-Wye	02.2	+16	W	4	c/pr	54	65	43	8	8	7	3	4-6	9+	3000	1	•
Hartland Point	05.6	+20	WNW	5	c	55	92	52	8	5	-	-	9	9	2000	1	5
Bristol	04.0	+22	W	4	c/pr	54	92	52	8	5	7	-	4-6	9+	4000	1	•
Portland Bill	04.7	+10	W	5	c	57	92	55	8	5	-	-	10	10	4000	1	5
Plymouth	07.4	+14	WNW	6	c-bc	58	85	52	7	2	-	1	7-8	7-8	2000	0	2
The Lizard	08.2	+6	WNW	6	bc	56	85	52	8	7	5	-	4-6	4-6	2500	0	5
Scilly (St. Mary's)	09.3	+18	W'N	6	c	56	85	50	7	8	6	-	7-8	9+	1500	1	5
Guernsey																	
Pembroke	04.2	+10	WNW	6	c-bcq	55	85	50	8	8	6	-	4-6	7-8	2500	1	4
Holyhead (Valley)	00.0	+6	W	4	pr	54	85	50	8	8	7	-	4-6	9+	1500	1	3
Chester (Sealand)	99.4	+18	WNW	3	pr	54	75	47	7	5	2	-	7-8	10	1600	1	•
Manchester	99.6	+18	W'N	4	PR	52	85	48	6	9	-	-	9+	9+	2000	1	•
Spurn Head	98.6	+4	NW'N	3	c-bc	54	75	47	7	2	4	-	4-6	7-8	2500	0	3
Catterick (Sc)	97.1	+8	WNW	3	c	58	65	47	8	8	3	5	7-8	10	3000	1	•
Tynemouth	96.1	+4	SE	3	c-bc/pr	56	75	47	7	2	-	-	7-8	7-8	2400	1	2
St. Abbs Head	94.0	+10	-	0	pr	54	85	50	7	5	7	-	7-8	9+	2500	0	2
Leuchars	95.5	+14	-	0	c/pr	54	85	50	8	8	7	8	4-6	10	3000	1	•
Renfrew (Abbots I.)	96.2	+18	SW'W	3	c	57	75	49	8	8	7	6	4-6	9	2500	1	•
Eskdalemuir	95.4	+8	SW	3	c	53	75	46	8	7	-	2	4-6	9+	1900	1	•
Point of Ayre	96.2	0	W	4	ir	54	92	51	8	9	7	-	4-6	10	600	1	3
Tiree	98.3	+22	NW'N	5	bc	54	92	52	7	5	-	1	4-6	4-6	6000	0	3
Stornoway	98.0	+26	NNE	4	pr	55	85	50	8	3	3	-	4-6	7-8	2500	1	2
Dalwhinnie	97.0	+16	ENE	1	ir	49	85	45	7	5	-	-	9+	9+	1500	1	
Aberdeen	96.7	+10	E'S	3	z	53	85	49	6	1	3	7	1	9	1500	1	•2
Wick	98.4	+12	NE	3	z	52	92	49	6	3	7	4	4-6	7-8	3000	0	•
Sumburgh	00.3	+6	NE'E	3	id	50	97	50	6	5	-	-	10	10	500	1	3
Blacksod Point	06.2	+22	WNW	6	d.d.	52	85	48	7	6	2	-	4-6	10	1600	1	5
Malin Head	98.8	+34	N'W	3	c-bc	53	85	49	8	2	7	-	2-3	7-8	2500	1	3
Aldergrove	97.9	+22	NW	3	c/pr	51	92	48	8	8	7	-	4-6	9+	1500	1	•
Birr Castle	04.3	+16	WNW	5	c	52	85	48	8	8	2	-	7-8	10	1500	1	•
Valentia Obsy.	11.3	+22	NW	6	c	54	65	43	8	8	-	-	9+	9+	2500	1	5
Roches Point	07.2	+20	NNW	6	bc	56	85	51	8	3	4	-	2-3	4-6	1500	1	4

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.–7h. 3rd (42)
London (Kew)	pR prc	ckq,rr,tc	cpr.c	c
Croydon	cpr.	pr.q.pr	cpr.	bcpr.c
S. Farnborough	bccPrprprq	cq,pr.prcbc	bcc	cpr.
Boscombe Down	bpr.vr.r.c	ccpr.c	cpr.c	cpr.cbc
Thorney Island	cpr.ctLR	ctlrcpr	cpr.cm.	ccpr.c
Lympne	cpr.c	cpr.pR	cpr.cbcpr.	cr.c
Manston	cprc	cprir.	cir.	bc.
Shoeburyness	cpr	cprcrr	cr.c	cr.
Felixstowe	cprlccy	cpr.cyc	c	cpr.
Gorleston	ctlpr	bcc	cpr.prd	cpr.
Mildenhall	cpr	cprc	cprcir.	cir.c
Cranwell	cpr.c	cpr.c	cr.r.m.	cr.r.m.
Birmingham	ckr.	cpr.bcc	cpr	cpr
Upper Heyford	cpr.m.pr.	cirpr.m.	bccprc	ccpr.
Ross-on-Wye	rcdRc	cbccp.	ct.c	bcct.c
Hartland Point	cprbc	bcc	c	cp
Bristol	cpr.cprc	cpr.pR	ccir.c	ctr.cbcc
Portland Bill	oirc	c	c	c
Plymouth	cpr.c	c	cm.pr.c	pr.c
The Lizard	cir opr	bc	c	cbcc
Scilly (St. Mary's)	cp.c	cbcc	cbc	bcbc
Guernsey				
Pembroke	cbcq	cpr.q	cq	cbc
Holyhead (Valley)	cbc	bccpr.	cpr.c	c
Chester (Sealand)	cpr.pr	cpr.	cpr.z.m.	cm.pr.
Manchester	cpr.pR	pr.pr.m.	cprm.	pR pr m.
Spurn Head	c	b	om.id.	om.r
Catterick (Sc)	cpr.cv	ctr.ty	cpr.c	cpr.c
Tynemouth	c	cp.	cp.cbc	bcc
St. Abbs Head	crrcm.	crrcm.	cm.bcc	om.rc
Leuchars	cpr	cmr.cprc	cm.	cm.cr.r.
Renfrew (Abbots I.)	cm.ir.pr.cy	cycbcc	ccir.ccm.	cm.wpr.c
Eskdalemuir	cr.r.c	c	cpr.c	Pr pr bc
Point of Ayre	cbcc	cpir	ir.cbc	bcir.
Tiree	cprc	cbcb	bcc	cpr.
Stornoway	bccbc	bccbc	cpr.ccm.	cir.bc
Dalwhinnie	oirc	coirc		coirc
Aberdeen	bc	bccz.	cz*.	ep Rc
Wick	bc	bccm.	cm.o,id.m	oir.id.om
Sumburgh	cm.	cm.id.	ccm	cifjf
Blacksod Point	c	d	pr	r
Malin Head	r	pr	pr	pr
Aldergrove	cprccpr.	cpr.PRc	cir.r.r.	cr.r.m.c
Birr Castle	pr	pr	pr	c
Valentia Obsy.	pr	pr	c	c
Roches Point	pr	pr		c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 3rd June

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate or fresh westerly winds veering northwest. Cloudy with thundery showers at first but showers decreasing and weather becoming mainly fair; moderate to good visibility: very cool to cool.
5 S.W. England; 6 South Wales	Fresh northwesterly winds, slowly decreasing; mainly fair with well broken cloud and good visibility but a few scattered showers at first: very cool to 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	Moderate or fresh northwesterly winds decreasing slowly. Variable cloud with some bright periods; occasional thundery rain or showers; improving slowly from west: good visibility: very cool.
16 Orkneys and Shetlands; 17 N.W. Ireland	As 7-15.
18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	As 5-6

GENERAL INFERENCE

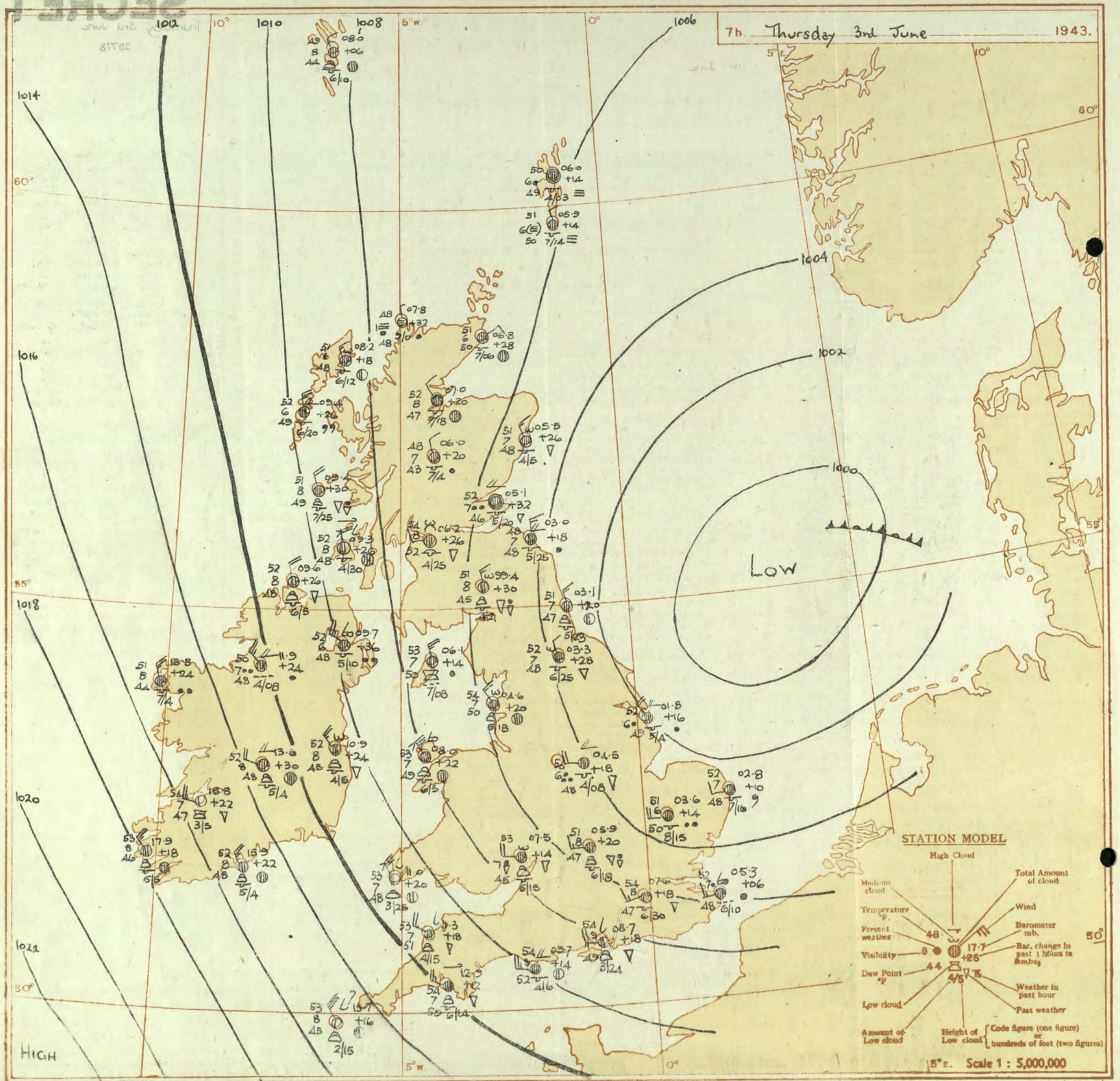
Pressure is low to the east of the British Isles and a strong ridge to the west is moving eastwards. It will be mainly cloudy at first with some thundery showers, particularly in eastern districts, but an improvement to mainly fair conditions is expected in the next 24 hours: very cool.

FURTHER OUTLOOK

Becoming mainly fair and rather warmer.

Forecasts issued at 1300.

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


7h. Thursday 3rd June 1943.
1014
1012
1010
1008
1006
1004
1002
1000
1016
1018
1020
1022
Low
HIGH
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in mbs.
Weather in past hour
Past weather
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
5° E. Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

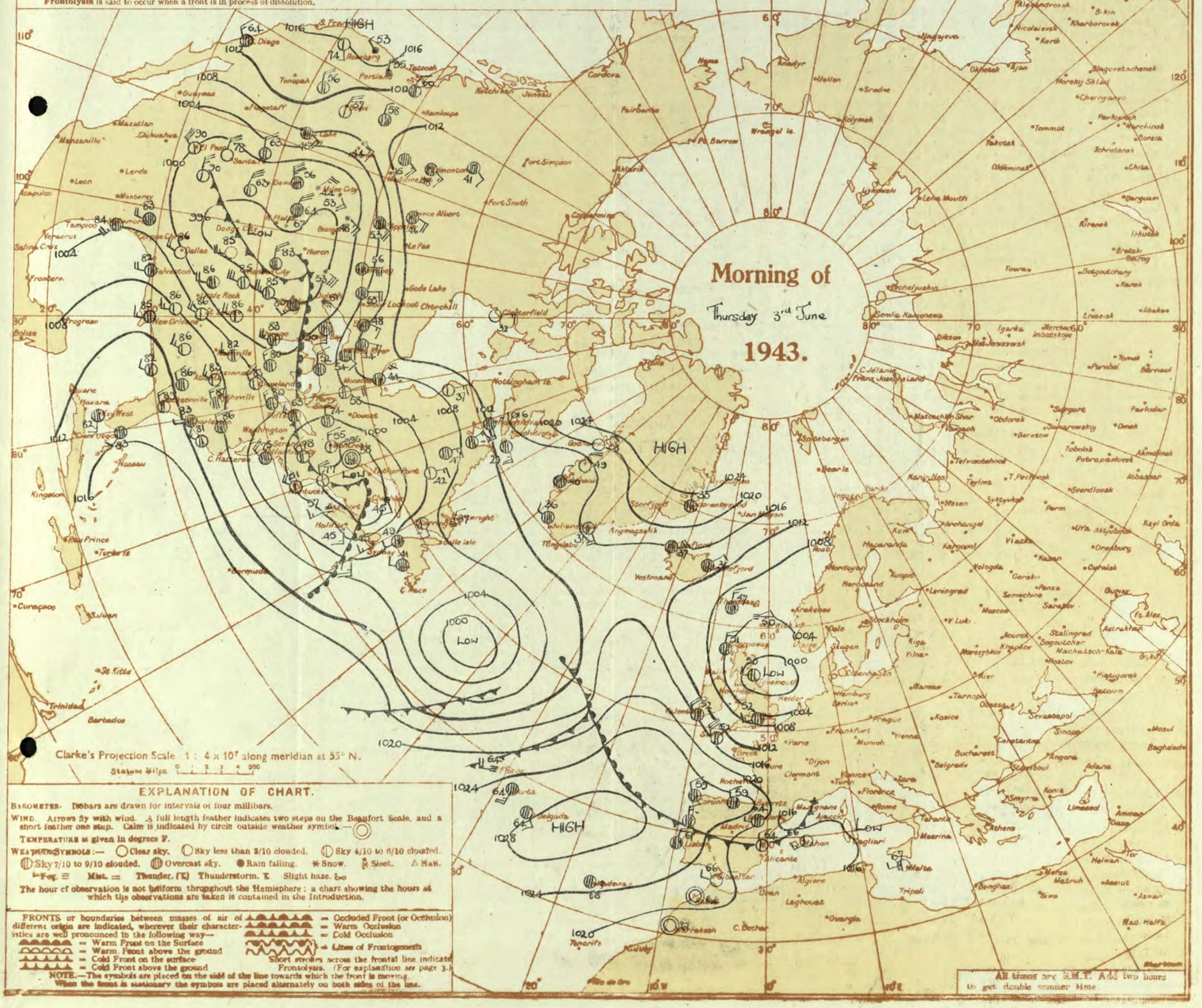
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 3rd June 1943. No. 29778

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

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	05.8	-8	W'S	3	c-bc	52	92	49	6	5	-	-	7-8	7-8	2500
	S. Farnborough	226	05.6	+6	W'S	4	c-bc	52	85	48	8	5	7	-	4-6	7-8	1500
	Boscombe Down	417	06.5	+6	WSW	4	c/pr	50	92	48	7	8	-	-	9+	9+	3000
	Thorney Island	10	06.4	-2	W	4	bc/pr	54	85	48	6	8	-	-	4-6	4-6	7200
	Lympne	283	05.3	+10	WSW	4	ir.	51	97	49	7	5	-	-	10	10	1200
	Manston	154	04.4	+10	WSW	3	c-bc	52	85	48	8	-	7	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	03.1	+6	WSW	4	c-bc	54	85	50	7	5	-	-	7-8	7-8	4000
	Gorleston	5	01.8	+10	W	3	r.r.	51	92	49	7	6	-	-	10	10	800
	Mildenhall	15	02.5	+6	SW'W	3	ir.	51	92	49	7	5	-	-	9	9	5600
	Cranwell	203	01.0	0	SW'S	3	r.r.	51	97	50	6	3	6	-	2-3	10	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	03.4	+4	W	4	c/pr	51	85	48	8	8	-	-	9	9	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08.8	+16	WNW	4	c	52	85	46	8	8	-	-	9+	9+	1500
	Bristol	209	06.4	+6	W	4	pr	52	85	47	7	8	7	-	7-8	9+	1700
	Portland Bill	32	07.7	+6	W	5	c-bc	54	92	52	8	5	-	-	7-8	7-8	4000
	Plymouth	82	11.1	+18	WNW	5	pr	52	85	49	7	8	4	1	4-6	7-8	2000
	The Lizard	240	11.8	+16	WNW	6	c	53	85	49	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	13.1	+14	NW'N	6	bc	52	85	46	7	8	7	-	4-6	4-6	1800
	Guernsey	175															
6	Pembroke	142	08.2	+10	WNW	5	cq	52	85	48	7	8	-	-	9+	9+	1500
7	Holyhead (Valley)	32	04.2	+22	NW'W	5	c	51	85	47	7	-	7	-	0	9+	-
	Chester (Sealand)	16	01.8	+18	NW'N	7	c/pr	53	85	49	6	5	2	-	9	10	1500
8	Manchester	235	00.8	+6	W'S	3	c-bc/pr	50	92	49	6	3	6	3	4-6	7-8	2700
10	Spurn Head	29	00.2	+10	SW'W	5	id.	52	85	47	6	7	5	-	10	10	2500
	Catterick (Sc)	192	99.3	+8	-	0	c	49	97	49	7	5	7	-	7-8	10	3300
	Tynemouth	108	99.1	+10	W	2	bc	50	85	46	7	2	3	-	4-6	4-6	2500
11	St. Abbs Head	280	90.6	+16	WNW	3	c	49	97	49	7	5	-	-	10	10	2500
	Leuchars	36	00.0	+18	-	0	zo	50	85	46	6	5	7	-	4-6	9+	2000
12	Renfrew (Abbots I.)	19	00.9	+20	NW	2	zo	51	97	50	6	5	-	-	9+	9+	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	01.5	+28	NNW	6	bc	52	92	49	8	5	-	-	4-6	4-6	2000
13A	Tiree	44	03.8	+16	N'W	5	c	51	92	49	7	5	7	-	7-8	9	2500
13B	Stornoway	15	04.4	+22	N	3	zo	51	85	46	6	5	-	-	10	10	1200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	00.7	+18	N	2	ir.	50	92	48	7	5	-	-	7-8	10	700
	Wick	114	02.6	+16	NNE	1	o/d	49	97	48	5	5	-	-	10	10	100
16	Sumburgh	19	03.4	+10	N	1	m	48	97	48	4	5	-	-	10	10	1800
17	Blacksod Point	18	11.7	+22	NNW	6	pr	51	92	49	7	9	-	-	10	10	1500
18	Malin Head	84	04.4	+22	NNW	5	c	52	85	48	8	8	-	-	9+	9+	2500
	Aldergrove	268	04.2	+18	WNW	4	ir.	51	85	47	6	5	2	-	7-8	10	1200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15.4	+16	NW'N	4	c	52	65	41	8	8	-	-	9	9	2500
	Roches Point	22	12.2	+10	NNW	5	c	50	85	46	8	8	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 3rd June — 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 2nd Hrs. (38)
London (Kew)	06.9	+18	NW'W	3	c	55	75	46	8	8	-	-	9	9	1500	1	*	59	52	49	7	Tr	2.6
Croydon	07.6	+18	W'S	3	c	54	75	47	8	5	-	-	9	9	3000	1	*	60	51	48	6	0.5	3.9
S. Farnborough	07.4	+14	W'N	4	c-bc	55	75	47	8	1	4	-	4-6	7-8	2000	0	*	59	51	48	8	-	4.8
Boscombe Down	08.9	+20	W	4	bc	53	75	46	7	1	4	1	2-3	4-6	3000	0	*	58	48	47	3	0.4	4.3
Thorney Island	08.7	+18	W	4	bc	54	85	49	9	2	4	-	2-3	4-6	2400	1	*	61	51	49	6	0.2	*
Lympne	07.0	+16	WSW	3	c	53	85	47	7	5	7	-	4-6	9+	2500	0	§4	59	44	44	2	0.6	4.3
Manston	05.3	+6	W'S	3	ir.	52	85	48	7	6	7	-	9	9+	1000	1	*	60	51	49	3	4	6.1
Shoeburyness	05.6	+14	W	3	c/r	55	85	49	6	5	2	-	7-8	9	1500	1	*	63	52	49	2	0.4	4.7
Felixstowe	04.9	+18	W'S	5	r.r.	52	92	50	7	5	2	-	9+	10	4000	1	4	65	52	47	0.1	1	7.[illegible]
Gorleston	02.8	+10	W'S	2	c	52	85	48	7	5	-	-	9+	9+	1600	1	3	62	50	48	2	4	6.8
Mildenhall	03.6	+4	W	4	o/r	51	97	50	6	5	-	-	10	10	1500	1	*	61	50	50	4	2	5.5
Cranwell	02.8	+14	W'N	3	ir.	52	92	49	6	5	7	-	7-8	9+	1000	1	*	62	49	48	2	4	3.8
Birmingham	05.6	+14	W	4	c/pr	50	92	48	6	8	-	-	9+	9+	1500	1	*	58	49	46	3	3	1.8
Upper Heyford	05.9	+20	W	3	c/pr	51	85	47	8	8	-	-	9	9	1800	1	*	59	49	41	5	1	*
Ross-on-Wye	07.5	+14	W	4	pr	53	75	45	7	8	3	-	7-8	9+	2500	1	*	61	51	46	11	0.3	1.7
Hartland Point	11.3	+18	NE'N	5	c-bc	53	92	51	7	2	4	-	4-6	7-8	1500	1	5	57	51	49	1	Tr	4.8
Bristol	08.6	+10	WNW	1	bc	54	85	50	8	8	4	-	4-6	4-6	4000	1	*	59	49	44	4	0.1	4.9
Portland Bill	09.7	+14	W	5	c	54	92	52	8	5	2	-	4-6	10	4000	1	5	(57)	53	*	2	-	*
Plymouth	12.9	+12	WNW	5	c	54	85	50	7	8	-	1	9	9+	1400	0	5	61	(51)	47	3	Tr	8.3
The Lizard	13.7	+6	NW	6	c-bc	53	75	47	8	2	6	-	7-8	7-8	2500	0	4	58	50	*	1	-	8.9
Scilly (St. Mary's)	15.7	+16	NW	6	b-bc	53	75	45	8	2	4	4	1	2-3	1500	1	5	59	51	*	Tr	-	10.7
Guernsey																							
Pembroke	11.0	+20	NW	6	bcq	53	85	48	7	2	4	-	2-3	4-6	2500	1	4	56	51	*	1	-	2.2
Holyhead (Valley)	08.0	+22	NW	6	c	53	85	49	7	8	7	-	9	9+	2400	1	4	60	50	48	0.6	1	*
Chester (Sealand)	04.9	+14	NW	6	pr	52	92	49	5	5	2	-	7-8	10	2500	1	*	61	52	50	2	3	3.0
Manchester	04.1	+12	W'S	3	pr	51	92	49	6	9	-	-	10	10	1500	1	*	60	49	48	2	15	*
Spurn Head	01.8	+16	NW'W	4	ir.	52	92	49	6	5	2	-	7-8	10	1500	1	3	60	52	*	-	0.3	3.8
Catterick (Sc)	03.3	+28	NNW	2	c	52	85	48	7	5	3	-	9	9+	2500	1	*	62	49	2	2	1	6.2
Tynemouth	03.1	+20	NNW	3	c-bc	51	85	47	7	8	-	-	7-8	7-8	2300	1	2	(56)	48	45	2	0.1	*
St. Abbs Head	03.0	+18	N	4	c	48	97	48	7	5	2	-	7-8	10	2500	1	4	57	48	*	9	3	*
Leuchars	05.1	+32	-	0	r.r.	52	75	46	7	5	2	-	7-8	10	2000	1	*	57	49	44	1	4	1.0
Renfrew (Abbots I.)	06.2	+26	W'S	2	c-bc	54	75	48	8	4	6	-	4-6	7-8	2500	0	*	61	50	44	0.5	0.1	5.2
Eskdalemuir	05.4	+30	N'W	3	bc/pr	51	85	45	8	8	3	-	4-6	4-6	2100	0	*	58	47	45	2	4	1.3
Point of Ayre	06.1	+14	N'W	5	c	53	85	50	7	9	-	-	9+	9+	800	1	4	(60)	51	*	(Tr)	Tr	4.3
Tiree	09.4	+30	NNW	4	s/pr	51	92	49	8	8	-	-	9+	9+	2500	1	4	57	50	49	2	Tr	7.1
Stornoway	08.2	+18	NNW	3	c	51	85	48	6	5	3	-	9	9+	1200	1	2	56	48	46	-	Tr	7.9
Dalwhinnie	06.0	+20	NNW	2	c	48	85	43	7	5	-	-	9+	9+	1500	1	*	54	41	34	6	2	0.0
Aberdeen †	05.5	+26	NW'N	3	c	51	92	48	7	5	3	-	4-6	9+	2500	1	2	56	49	46	-	3	11.1
Wick	06.8	+28	NE	2	zo	51	92	50	6	5	-	-	9+	9+	600	1	*	60	48	48	-	2	*
Sumburgh	05.9	+14	NNW	2	cjf	51	97	50	6	5	-	-	9+	9+	1400	1	2	53	50	46	Tr	0.1	*
Blacksod Point	15.8	+24	NNW	5	c/r	51	75	43	8	5	-	-	9+	9+	1500	1	4	54	49	*	1	1	*
Malin Head	09.6	+26	N'W	4	c	52	85	48	8	8	-	-	9	9	2500	1	4	54	50		4	0.2	4.4
Aldergrove	09.7	+36	NW	5	c/d	52	85	48	6	5	7	-	7-8	9+	1000		*	57	49	49	7	3	3.8
Birr Castle	13.6	+30	WNW	4	c	52	85	48	8	8	2	-	7-8	9+	1500	1	*	58	49	46	1	-	2.7
Valentia Obsy.	17.9	+18	NW'N	5	c-bc	53	75	45	8	8	-	-	7-8	7-8	2500	1	4	56	50	47	0.5	0.3	7.7
Roches Point	15.9	+22	NNW	5	c-bc	52	85	48	8	8	-	-	7-8	7-8	1500	1	4	59	50	*	0.1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 2nd June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 3rd June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	2-	01644	11414	52	05636	08328	5-	08438	05228	52	05647	31227
115	57	02844	08326	87	02844	08387	--	46009	04449	--	67109	32169
203	73	02843	04225									
206	87	02754	06236	82	82757	04268	53	05625	00026	5-	02847	28227
210	2-	25966	12287	38	11845	10187	5-	05538	04128	5-	61538	03268
219	36	02953	32515	2-	05754	31614	5-	05656	31586	52	21646	31557
230	8-	02855	22166	87	02955	00066	8-	02855	08285	8-	02757	28327
245				36	05653	06315	5-	02756	01316	55	25762	31485
260	77	05645	20228	87	02754	25225	5-	05548	20168	52	02854	24228
278	82	81846	22387	97	81846	27387	87	02744	59528	96	10834	29587
279	24	02964	19525	83	02855	20487	82	61765	28188	14	01762	32363
285	27	25745	24587							27	05624	30427
288	37	81854	20398				57	02755	00017	53	05656	28167
575	52	62635	61468	62	02745	61568	62	05645	63428	62	62734	61568
301	86	02355	24426	4-	52638	22468	52	05644	29565	83	02745	28527
321	86	02754	18325	84	05656	26285	57	05655	20368	52	62645	28268
[illegible]	24	01744	22315	50	01744	16214	40	01744	20214	50	05645	26215
292	36	25854	24385	36	02863	24325	52	62645	18168	5-	62757	28267
310	--	01644	24414							--	82428	26588
614	27	02755	18227	87	05654	23224	92	81645	22357	92	62646	26388
333	23	01854	23415	96	22747	22587	2-	05655	55565			
334	--	02674	28215							--	63647	29288
340	9-	82848	26287				52	51544	25358	5-	62858	28268
136	9-	25847	18387	86	25864	26197	5-	62648	24188	62	64635	24368
336	57	02754	28428	52	22646	28468				52	05656	28487
350	97	02846	16487	97	02754	24385	8-	81668	20388	87	25855	26427
368	93	81646	26587	5-	02744	26588	8-	02644	28414			
379	9-	82526	66588				37	22744	24387	57	02744	24367
390	8-	82446	51497	87	05645	67486	57	22663	22368	73	22645	22645
382	87	64636	57487	96	02865	57466	87	81755	22427	73	01854	24314
438				80	14745	22785	8-	62648	24688	87	02744	24617
430	9-	95696	53587				5-	25634	26487	53	02744	22325
409	24	92853	57525	5-	02847	58627	8-	01754	61614	5-	02848	59528

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 3rd June 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	pRprc	ckqrr.tc	cpr.c
Croydon	cpr.	prog pr	cpr.c
Greenwich	cir	cqirc ⊕	bccpc
Camden Square	cr	cpr	*
Kensington	bccrpr	bcq	*
Hampstead	bcor	bcp	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
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	59	52	49	7	Tr	2.6	*	*
Croydon	60	51	48	6	0.5	3.9	*	*
Greenwich	59	51	46	4	Tr	3.8	87	69
Westminster	59	51	50	6			96	71
Regents Park								
Camden Square	59	51	49	7	0.5	*	*	69
Kensington	60	52	48	4	0.1		79	68
Hampstead	56	47	44	7	0.4		*	97

SECRET

Page 1

BRITISH SECTION

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

Friday 4th June 1943

No. 29779

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

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)	09.0	+10	NW'W	4	pr	59	65	47	8	9	7	3	7-8	9+	1500
	Croydon	09.9	+12	NW'W	4	pr	58	75	48	7	8	-	-	10	10	2000
	S. Farnborough	09.5	+10	W'N	5	pr	60	65	46	8	8	7	-	7-8	9+	1800
	Boscombe Down	11.1	+14	NW'W	5	pr	60	75	50	8	8	6	•	4-6	9	2500
	Thorney Island	10.3	+10	WNW	4	c	62	65	50	8	8	-	-	9	9	2500
	Lympne	08.7	+10	W'S	4	r/tlr	54	85	49	8	9	6	-	7-8	9+	2000
	Manston	07.6	+4	W'N	4	c/pr	57	75	48	7	8	6	-	9	9+	2000
2	Shoeburyness	08.1	+6	W	5	c/pr	60	75	52	7	8	3	-	7-8	9	2500
	Felixstowe	06.2	+10	W'N	5	pr	55	92	52	8	9	2	-	4-6	10	2500
	Gorleston	04.6	+8	NW	2	c	55	85	51	7	8	-	-	10	10	1000
	Mildenhall	07.0	+22	NNW	3	c/tlr	53	92	51	7	8	4	-	9	9+	4000
	Cranwell	07.7	+36	WNW	4	pr	58	75	50	6	3	-	-	9+	9+	2500
3	Birmingham	09.8	+26	NW	5	c	56	75	48	7	8	-	-	9+	9+	2500
	Upper Heyford	09.3	+24	NW'W	4	pr	56	85	51	7	2	2	-	4-6	9+	1500
4	Ross-on-Wye	11.4	+24	NW'W	4	c-bc	55	65	47	8	8	6	-	7-8	7-8	3500
5	Hartland Point	15.9	+24	WNW	4	bc	55	85	50	8	2	4	-	4-6	4-6	2000
	Bristol	12.4	+22	WNW	4	c	58	65	48	8	8	6	-	4-6	9	2500
	Portland Bill	12.7	+12	W	5	c	56	85	52	8	2	4	-	4-6	10	4000
	Plymouth	16.1	+16	WNW	5	c/pr	55	85	51	7	8	-	-	9+	9+	1800
	The Lizard	17.5	+16	NW	6	c-bc	57	75	50	8	2	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	19.2	+18	NW	5	b-bc	60	75	50	7	8	6	-	2-3	2-3	1600
	Guernsey															
6	Pembroke	16.4	+28	NW	6	bcq	56	85	49	8	2	4	-	4-6	4-6	2500
7	Holyhead (Valley)	13.5	+22	S'W	5	bc	58	75	49	7	2	6	-	2-3	4-6	2500
	Chester (Sealand)	10.7	+28	NNW	6	c-bc	57	75	50	7	2	-	-	7-8	7-8	2500
8	Manchester	09.5	+30	NW	4	c-bc	57	75	49	7	2	6	-	7-8	7-8	2000
10	Spurn Head	06.7	+20	N	6	bc	57	75	49	7	2	3	-	2-3	4-6	1500
	Catterick (Sc)	08.8	+28	NNW	3	c	56	75	49	8	8	2	-	7-8	9+	2000
	Tynemouth	08.6	+16	N	5	c	53	85	50	7	2	-	-	9	9	1800
11	St. Abbs Head	09.1	+26	N	3	c-bc	52	92	50	7	1	6	-	4-6	7-8	3000
	Leuchars	09.2	+22	E	2	c	57	75	50	8	8	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	09.9	+20	WNW	4	c	61	65	51	8	8	7	-	4-6	9	2500
	Eskdalemuir	08.5	+24	NNW	2	c/pr	56	65	44	8	5	-	-	9+	9+	2200
	Point of Ayre	12.5	+60	N'W	5	b-bc	57	85	51	8	2	4	-	2-3	2-3	1800
13A	Tiree	13.8	+22	NNW	4	c	55	85	50	7	8	-	-	9	9	2000
13B	Stornoway	12.3	+18	NW	3	d	51	85	47	7	5	-	-	10	10	1500
15	Dalwhinnie	10.5	+16	NW	2	ir0	50	85	45	6	5	2	-	9	10	1500
	Aberdeen	09.3	+18	N'W	2	c	56	75	48	8	8	-	-	9+	9+	2500
	Wick	10.5	+18	NW	3	c	53	85	48	7	5	-	-	10	10	2000
16	Sumburgh	07.7	+8	W'N	3	z0	53	92	49	6	8	-	-	9+	9+	2000
17	Blacksod Point	18.7	+10	NW'W	4	bc	55	65	44	8	8	-	-	4-6	4-6	2500
18	Malin Head	14.1	+18	N	4	c	52	85	48	8	8	-	-	9+	9+	2500
	Aldergrove	13.9	+22	NW	4	c	56	65	46	7	8	-	-	9+	9+	1500
19	Birr Castle	17.2	+16	WNW	2	c	57	65	45	8	8	-	-	9	9	1500
20	Valentia Obsy.	20.7	+10	NNW	3	c-bc	56	65	44	9	5	-	-	7-8	7-8	4000
	Roches Point	18.6	+14	NNW	4	bc	58	75	50	8	7	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 3rd June — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp °F. (21)	% Humid (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 3rd (39)	Weather 13h.–18h. 3rd (40)	Weather 18h. 3rd to 1h. 4th (41)	Weather 1h.–7h. 4th (42)
London (Kew)	12.9	+18	NW	4	bc	60	65	45	7	8	-	-	4-6	4-6	1500	1	*	cprpr.	Kqprcbc	bccbc	bcm.w
Croydon	13.7	+28	NW	4	c	60	65	47	6	9	-	3	7-8	9	2500	1	*	cpr.	cpr0c	cbcz.	bm.wc
S. Farnborough	13.5	+26	NNW	3	c/pr	59	75	49	8	8	6	-	9+	9+	2000	1	*	ccpr	cprhq	bbm.	bbcwm.c
Boscombe Down	14.6	+22	NW'W	4	b-bc	61	65	46	8	1	6	-	2-3	2-3	3000	0	*	bccpr0cbc	cpr0cbc	bbm.	bmobcm0
Thorney Island	13.7	+22	WNW	4	bc	62	58	48	9	1	6	3	2-3	4-6	5700	1	*	cpr.c	cpr0cbc	bcb	bbcfgw
Lympne	12.1	+30	NW	3	c/pr	55	85	50	8	2	6	3	2-3	9	3500	1	§	ctlrphqcpr	cprtlRcm0pr	ccbcm.	bcm.w
Manston	10.9	+26	NW	4	z0	56	85	50	6	9	6	-	2-3	2-3	2000	1	*	cr.preb	ctlrqz0bc	bccbcm.	bbcm.
Shoeburyness	11.9	+16	WNW	3	z0	56	85	51	6	5	3	-	4-6	7-8	4000	1	*	cm.pr	cm0tlRr	cprcm.	cm.
Felixstowe	10.3	+26	NW	4	bc	59	75	50	8	2	7	1	1	4-6	2500	0	4	crrcpr.	cpr0bc	bcb	bmobcm.
Gorleston	09.3	+34	NW'W	4	bc	57	75	50	7	2	-	-	4-6	4-6	2000	1	3	crrc	cr0bc	cbc	cz.cm
Mildenhall	11.4	+28	NW	3	c	56	85	52	7	8	7	-	4-6	9	4000	1	*	ciRtlr	ctlrcprc	cpr.bm	bccm.
Cranwell	11.5	+24	NW'N	4	z0	59	75	52	6	8	6	-	7-8	9+	4500	1	*	cm.pr	cprtlc	cbcbm.	bm.
Birmingham	14.0	+26	NW	5	c	58	65	46	8	8	7	-	7-8	9+	2500	1	*	bpr.bcc	cbcc	cbc	bc
Upper Heyford	13.0	+26	NW	3	c	57	75	47	8	2	6	-	7-8	9+	3000	1	*	cprc	cpr0c	b	cm.
Ross-on-Wye	14.9	+20	NW	3	b-bc	59	65	45	8	7	-	-	2-3	2-3	3500	1	*	t0ccbc	ccbc	bbc	bwc ⊕
Hartland Point	18.1	+12	WNW	3	bc	55	75	48	8	2	4	-	2-3	4-6	2000	0	4	cbcc	bc	bccbc	bccir0
Bristol	15.7	+22	WNW	4	bc	60	65	47	8	2	6	-	1	4-6	4000	1	*	bcc gm.bc	cbc	ccwbcm.w	cm.bcm.c
Portland Bill	16.0	+16	W	4	c-bc	58	85	54	8	2	4	-	4-6	7-8	4000	1	5	c	c	c	c
Plymouth	18.0	+6	NW	4	c-bc	58	75	50	8	2	-	1	7-8	7-8	2000	0	3	cpr.	c	c	bcwcbm.
The Lizard	20.1	+12	NW	5	bc	56	85	50	8	2	6	-	2-3	4-6	2500	0	4	c	cbc	bcclbc	bccrr
Scilly (St. Mary's)	20.8	+6	NW'W	5	bc	57	75	49	8	1	-	2	2-3	4-6	1600	0	4	bccbc	bc	bcc	cr.r.
Guernsey																					
Pembroke	18.1	+10	NW	3	c-bcq	55	85	51	8	2	4	-	4-6	7-8	2500	0	4	bcq	bccq	cbc	c
Holyhead (Valley)	15.7	+8	NW	5	b	57	65	49	8	2	6	-	Tr	1	2500	1	4	cbc	bcb	bcc	bcc
Chester (Sealand)	14.5	+20	NW'N	5	bc	57	65	47	7	1	6	-	4-6	4-6	2500	1	*	cbc	c,bc	bcbz.m.	bccm.
Manchester	13.2	+22	WNW	4	bc	58	75	49	7	2	6	-	4-6	4-6	3000	1	*	pRpr.z.	prpRm0	bccbm.	bcm.cm.w
Spurn Head	11.1	+20	N'W	5	z0	55	85	49	6	2	4	-	2-3	4-6	2500	0	3	tlbc	bcz0	bc	cm.
Catterick (Sc)	11.5	+18	NNE	2	c-bc	61	65	47	6	8	3	-	4-6	7-8	1800	0	*	cir0c	cbc	cmf cm.	cm.c
Tynemouth	12.4	+16	N	4	b-bc	53	85	49	7	2	3	-	2-3	2-3	1800	0	2	c	cbc	bcc	cprom.
St. Abbs Head	11.5	+10	NW	2	c-bc	53	85	49	7	5	3	-	4-6	7-8	3000	0	3	oidcirm.c	bcm0cm0	cr.cm.	cprcm.
Leuchars	11.8	+14	SE	1	c/pr	53	85	49	6	8	3	-	9	9+	2800	1	*	cr.r.c	prPRm0cm0	cm.pr.c	ccm.
Renfrew (Abbots I.)	12.1	+12	WNW	4	c-bc	61	65	48	8	8	7	-	4-6	7-8	2000	0	*	bcc	cbc	bcbbwbm.w	bm.wcm.
Eskdalemuir	11.7	+10	—	0	c/pr	54	75	45	7	5	4	-	9	9+	1800	1	*	bcprc	cpr	cpr.cf	cm.f
Point of Ayre	14.2	+14	NNW	5	b	56	75	48	8	-	4	-	0	Tr	-	0	4	cbcb	b	bbcc	c
Tiree	15.4	+6	NNW	3	c	52	92	49	7	5	7	-	4-6	10	2000	0	3	cr.r.c	cm0c	c	c
Stornoway	14.5	+16	NW	4	id0	50	92	47	6	5	2	-	9+	10	1000	1	3	cbccr.c	cd0id0cid0	cid.m.c	c
Dalwhinnie	13.0	+10	NW	2	c	53	75	46	7	5	6	-	7-8	9+	2500	1	*	cir0	oir0c		cpr.o
Aberdeen	11.2	+10	NNW	3	b-bc	58	65	47	7	2	6	-	2-3	2-3	4000	1	2	c	cpr0bc	bccbir0cq	cq.ir0q
Wick	11.7	+10	NW	3	c	51	85	48	7	5	-	-	10	10	800	1	*	cm.c	cd0d0cmc	cid.c	c
Sumburgh	09.0	+8	NW	4	z0	51	92	49	6	5	-	-	9+	9+	400	1	2	cm.	cm0	cid.	cir.c
Blacksod Point	19.0	-2	NNW	3	c	54	65	43	8	8	-	-	9	9	2500	1	3	bc	c	c	r
Malin Head	15.6	+8	NW	3	c	51	85	47	8	8	-	-	9+	9+	2500	1	4	pr	c	pr	pr
Aldergrove	15.7	+8	NW'N	3	ir0	54	75	47	7	8	-	-	9+	9+	2000	1	*	c	c	cir0cbcc	cbcc
Birr Castle	17.5	0	WNW	2	c-bc	59	55	43	8	4	-	3	4-6	7-8	1500	0	*	c	c	•	r
Valentia Obsy.	20.6	-2	W'N	3	c	53	75	46	8	7	-	-	10	10	4000	1	3	bc	bc	r	r
Roches Point	18.9	0	NNW	3	c-bc	59	75	51	8	5	1	5	2-3	7-8	2500	1	3	pr	bc	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 4th June 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate south wind veering west or Northwest; occasional rain spreading from west followed by bright intervals and local showers; cool.
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 south or southeast wind, fresh or strong locally veering west or northwest; rain at first; bright intervals and showers later; local coast fog; cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light or moderate southeast or east wind, fresh or strong locally becoming northwest; some rain; cool.
16 Orkneys and Shetlands	As 13A - 15
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Moderate or fresh southwest wind, strong locally veering northwest; rain at first; bright intervals; showers later; cool.

GENERAL INFERENCE

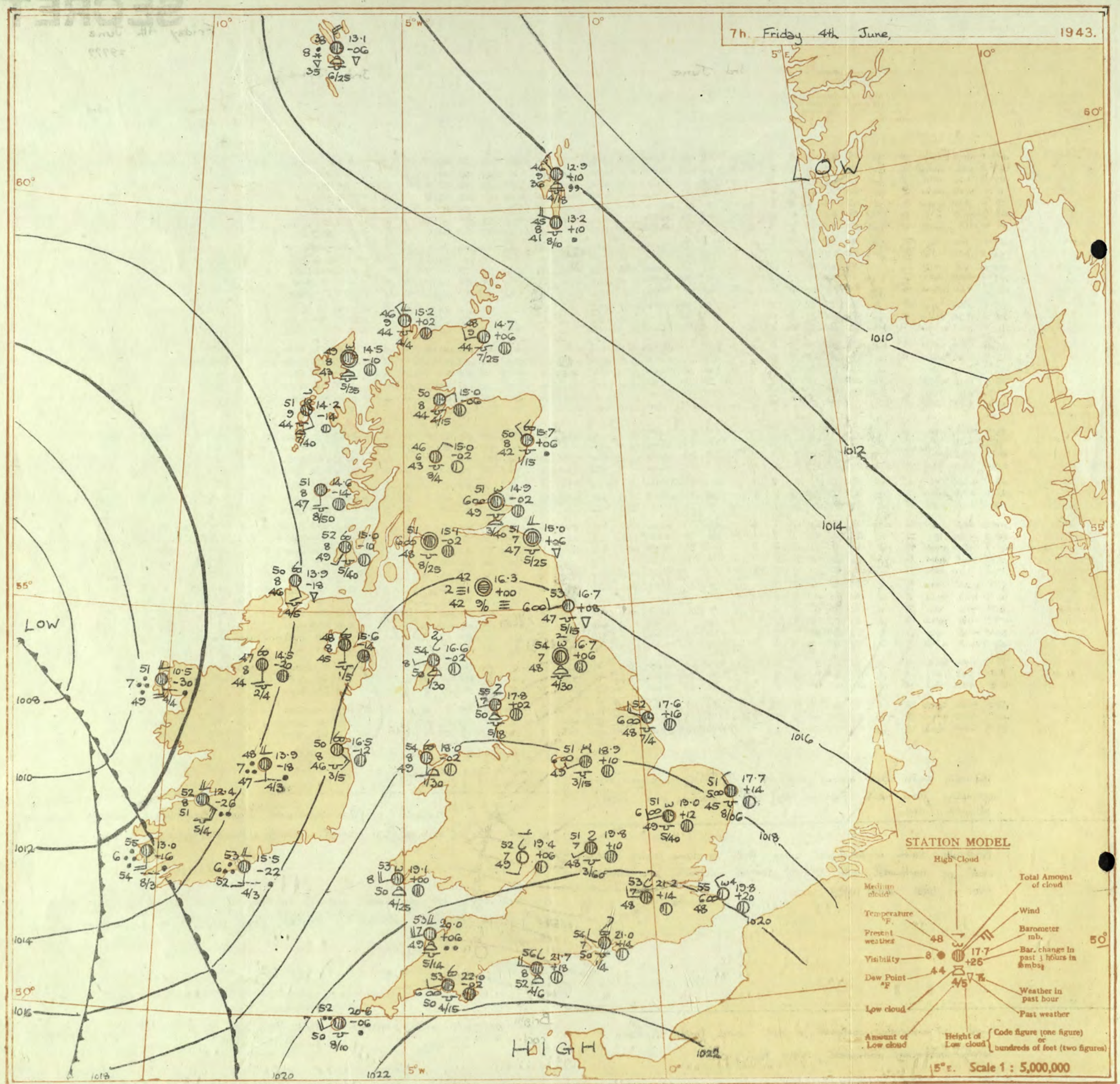
A depression off northwest Ireland is moving east or eastnortheast; rain will spread eastword across the British Isles, followed by bright intervals and showers.

FURTHER OUTLOOK

Bright intervals and showers at first followed by a mainly fair interval; cool.

Forecasts issued at 10.30

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


7h. Friday 4th June, 1943.
LOW
LOW
HIGH
1008
1010
1012
1014
1016
1018
1020
1022
STATION MODEL
High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in mbs.
Weather in past hour
Past weather
Height of Low cloud
Code figure (one figure) or hundreds of feet (two figures)
Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

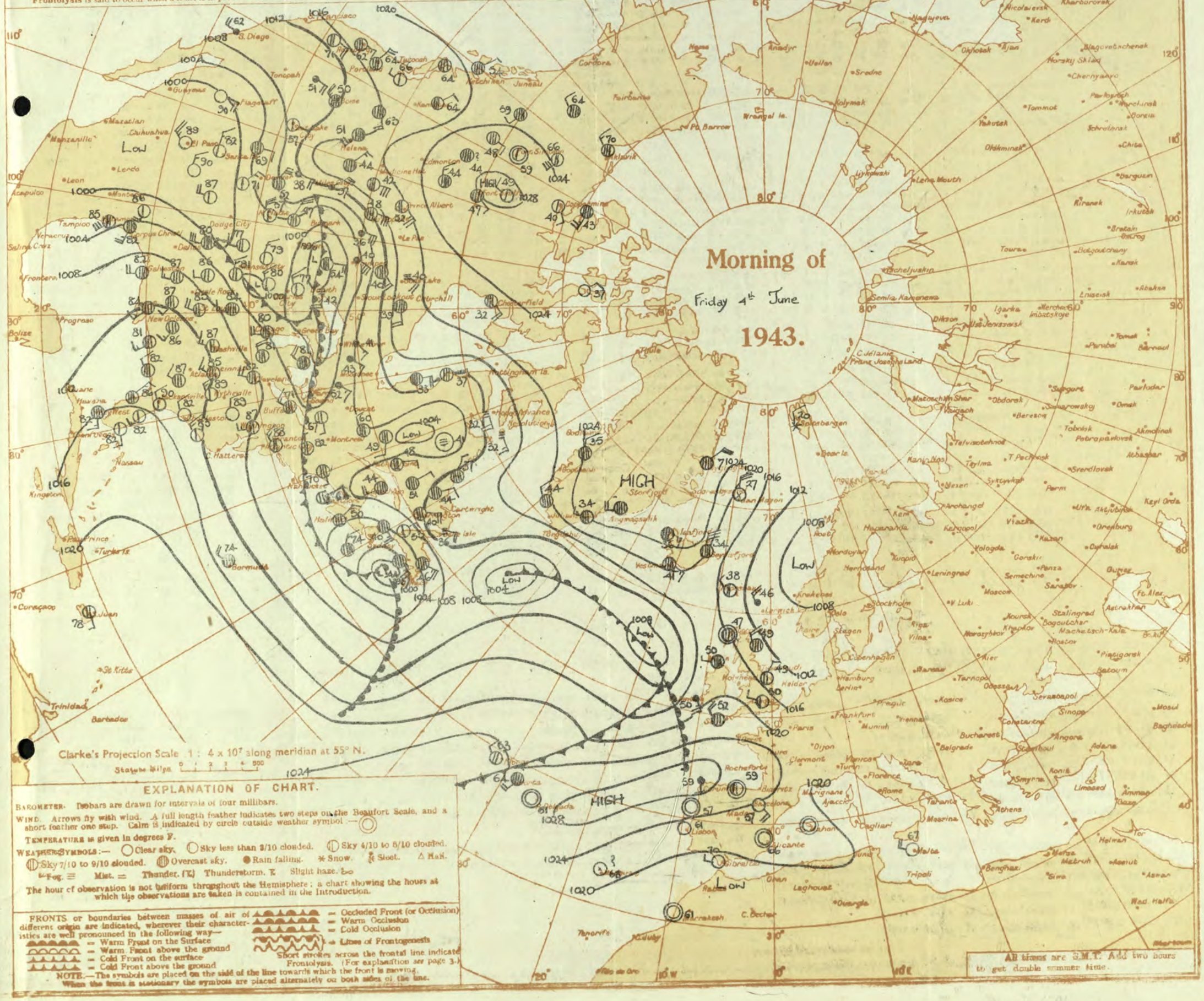
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Friday 4th June 1943

No. 29779

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

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	18.6	+14	W'N	2	b-bc	50	85	46	7	4	-	-	2-3	2-3	3500
	S. Farnborough	226	18.6	+14	WNW	2	z.	49	75	42	6	-	-	-	0	0	-
	Boscombe Down	417	19.4	+12	W'N	1	z.	47	92	44	6	-	-	-	0	0	-
	Thorney Island	10	18.5	+10	W'N	3	b	50	85	46	7	-	-	-	0	0	-
	Lympne	283	17.1	+12	NW	3	z.	49	92	47	6	-	-	-	0	0	-
	Manston	154	16.3	+14	NW'N	3	z.	53	85	49	6	-	4	-	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16.3	+10	NW	3	z.	53	92	52	6	5	-	-	Tr	Tr	2500
	Gorleston	5	14.9	+16	W'N	2	b-bc	50	92	47	7	5	-	-	2-3	2-3	1500
	Mildenhall	15	16.4	+14	W	2	z.	47	92	47	5	5	-	-	Tr	Tr	2500
	Cranwell	203	16.3	+10	W'S	3	z.	51	97	49	6	4	-	-	2-3	2-3	4500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18.0	+14	NW	2	b	44	92	42	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.3	+2	NNW	3	b-bc	52	92	50	7	5	4	-	2-3	2-3	2500
	Bristol	209	19.4	+2	SW	3	z.	50	92	48	6	5	4	6	2-3	7-8	4000
	Portland Bill	32	19.0	+6	W	4	c-bc	54	85	50	8	5	-	-	7-8	7-8	4000
	Plymouth	82	22.0	+6	WNW	1	c-bc	50	97	50	7	5	7	1	2-3	7-8	2000
	The Lizard	240	22.0	+2	WNW	4	bc	51	85	47	7	5	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	22.5	+2	W'N	4	c	52	85	48	8	5	-	-	9+	9+	1200
	Guernsey	175															
6	Pembroke	142	20.4	+6	NW'N	2	b-bc	52	97	52	8	1	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	18.3	+4	-	0	bc	50	92	48	8	5	-	-	4-6	4-6	5500
	Chester (Sealand)	16	17.7	+10	WNW	2	c-bc	53	85	48	6	5	-	-	7-8	7-8	3500
8	Manchester	235	17.3	+6	SW'S	2	z.	49	92	48	6	5	3	-	7-8	9	2500
10	Spurn Head	29	15.7	+14	NNE	2	bc	49	97	49	7	7	-	-	4-6	4-6	1500
	Catterick (Sc.)	192	15.4	+10	-	0	z.	51	97	51	5	5	2	-	7-8	10	4000
	Tynemouth	108	15.6	+6	N	2	e	53	92	49	7	5	-	-	9	9	2500
11	St. Abbs Head	280	13.8	+4	-	0	c	51	92	49	6	5	-	-	10	10	2500
	Leuchars	36	14.8	+8	-	0	c/pr	52	92	49	6	5	-	8	7-8	9+	3000
12	Renfrew (Abbots I.)	19	15.1	+6	W'S	2	z.	47	92	45	6	8	7	-	1	2-3	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16.9	+4	NNW	4	e	51	92	48	7	9	-	7	4-6	10	2000
13A	Tiree	44	16.5	-2	NW	1	c	49	92	47	7	5	-	-	7-8	10	1500
13B	Stornoway	15	05.6	-2	-	0	c/d	47	92	45	7	5	-	-	9+	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	16.4	+10	NW	4	c	49	85	46	8	5	2	-	7-8	9+	1900
	Wick	114	14.1	+6	NW	2	c/d	47	85	43	7	5	-	-	9+	9+	1000
16	Sumburgh	19	11.5	+6	NW	4	id.	46	92	44	7	5	-	-	10	10	1500
17	Blacksod Point	18	17.1	-18	S	2	c	51	75	47	8	5	-	7	4-6	10	2500
18	Malin Head	84	16.8	-4	W	1	c-bc	50	92	48	8	8	-	-	7-8	7-8	2500
	Aldergrove	268	17.3	-2	NW	1	c-bc	50	85	46	7	5	1	-	7-8	7-8	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.5	-30	SSE	5	ir	50	92	48	6	6	-	-	10	10	1500
	Roches Point	22	19.5	-6	WNW	1	c/r	52	85	48	8	5	7	-	4-6	9	1500

OBSERVATIONS at 7 hr. G.M.T. 4th June — 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 3rd Hrs. (38)
London (Kew)	21.0	+14	W	1	z.	54	85	48	6	5	-	8	7-8	9+	4000	1	*	61	47	34	1	-	2.3
Croydon	21.2	+14	W	2	c	53	85	48	7	-	4	4	0	9+	-	1	*	61	47	39	0.5	Tr	3.4
S. Farnborough	20.9	+14	W'N	2	c	52	85	48	7	5	7	4	1	9+	5000	1	*	62	46	36	2	Tr	4.9
Boscombe Down	20.9	+8	W'N	2	z.	51	92	49	6	5	4	6	Tr	7-8	2500	0	*	62	44	38	0.3	-	9.1
Thorney Island	21.0	+14	W'N	2	c	54	85	50	7	5	7	4	Tr	9+	1500	0	*	63	44	38	0.3	Tr	*
Lympne	20.6	+18	WNW	2	z.	53	85	48	6	-	-	2	0	4-6	-	0	§ * 2	62	45	41	8	-	5.0
Manston	19.8	+20	NW	2	z.	55	75	48	6	-	3	-	0	4-6	-	1	*	61	50	49	1	-	5.0
Shoeburyness	20.0	+20	NW	3	z.	55	85	49	6	-	-	2	0	9	-	1	*	62	48	44	7	Tr	3.6
Felixstowe	19.3	+12	NW	2	z.	52	85	48	6	5	-	5	4-6	4-6	4000	0	2	61	49	45	3	-	5.2
Gorleston	17.7	+14	NW	2	z.	51	85	45	5	5	-	-	10	10	600	0	1	59	47	44	2	-	2.7
Mildenhall	19.0	+12	WSW	2	z.	51	92	49	6	5	3	-	7-8	9+	4000	1	*	57	46	41	10	0.1	1.2
Cranwell	18.4	+8	SW'W	3	z.	52	85	49	6	-	3	5	0	4-6	-	1	*	64	46	43	5	Tr	4.1
Birmingham	19.1	+8	SW	2	bc	52	85	48	8	-	-	2	0	4-6	-	1	*	60	46	42	0.5	-	4.6
Upper Heyford	19.8	+10	SW	1	c	51	92	48	7	5	-	6	2-3	9+	4000	0	*	57	43	32	2	0.1	*
Ross-on-Wye	19.4	+6	S'W	2	b-bc	52	85	49	7	-	4	8	0	2-3	-	1	*	60	49	42	0.2	-	3.8
Hartland Point	20.0	+6	WSW	4	c/r	53	85	49	7	8	2	-	7-8	10	1400	0	3	56	52	48	-	Tr	6.4
Bristol	20.9	+8	W	2	c	57	85	51	7	2	4	7	1	9	2500	0	*	62	49	41	0.3	-	10.3
Portland Bill	21.7	+18	W	4	c	56	85	52	8	2	4	-	4-6	7-8	4000	1	4	58	51	*	-	-	*
Plymouth	22.0	-2	WSW	2	z.	53	92	50	6	5	7	-	4-6	9+	1500	0	3	59	42	38	0.3	-	8.3
The Lizard	21.7	+2	WSW	2	r.r.	53	97	53	7	5	-	-	10	10	1500	1	4	58	51	*	-	1	9.2
Scilly (St. Mary's)	20.6	-6	SW'S	4	r.r.	52	92	50	7	5	-	-	10	10	1000	1	4	63	51	*	-	1	13.7
Guernsey																							
Pembroke	19.1	0	WSW	4	c-bc	53	92	50	8	2	3	-	4-6	7-8	2500	0		58	51	*	-	-	7.7
Holyhead (Valley)	18.0	-2	S	2	c	54	85	49	8	1	7	-	Tr	9+	3000	1	1	61	44	34	Tr	-	*
Chester (Sealand)	18.0	+2	-	0	c-bc	55	75	45	8	8	4	6	2-3	7-8	3500	0	*	58	52	48	0.6	-	9.7
Manchester	18.2	+6	S	2	z.	51	97	50	5	5	-	-	9+	9+	2000	1	*	60	45	37	3	-	*
Spurn Head	17.6	+16	W'N	3	z.	52	85	48	6	5	-	-	9+	9+	1500	0	2	57	48	*	Tr	-	9.6
Catterick (Sc.)	16.7	+6	-	0	c-bc	54	85	48	7	8	3	5	4-6	7-8	3000	1	*	61	48	41	Tr	Tr	3.5
Tynemouth	16.7	+8	WSW	2	z.	53	85	47	6	5	-	-	7-8	7-8	1500	1	2	54	51	48	-	0.1	*
St. Abbs Head	15.0	+6	-	0	c	51	85	47	7	5	2	-	7-8	10	2500	0	2	56	50	*	0.1	0.5	*
Leuchars	14.9	-2	-	0	z.	51	92	49	6	7	3	-	2-3	7-8	4000	1	*	59	47	36	7	Tr	2.6
Renfrew (Abbots I.)	15.1	-2	-	0	z.	51	92	48	6	5	-	-	10	10	2500	1	*	64	44	36	-	-	10.3
Eskdalemuir	16.3	0	-	0	f-	42	97	42	2	-	-	-	10	10	6150	1	*	61	35	29	1	0.2	5.0
Point of Ayre	16.6	-2	WSW	1	c	54	85	50	8	1	3	9	Tr	9+	3000	0	1	59	49	*	-	-	10.2
Tiree	14.6	-14	S	1	c	51	85	47	8	5	-	-	10	10	5000	0	2	55	46	44	-	-	2.7
Stornoway	14.5	-10	-	0	c	49	85	43	8	8	3	-	7-8	9	3500	0	1	55	44	37	Tr	Tr	0.9
Dalwhinnie	15.0	-2	NNE	2	o	46	92	43	6	5	-	-	10	10	1500	1	*	53	44	42	2	Tr	0.4
Aberdeen †	15.7	+6	NW	1	c	50	75	42	8	5	7	-	Tr	9+	1500	1	1	59	48	43	0.2	0.1	3.5
Wick	14.7	+6	WSW	2	c	48	85	44	9	5	-	-	9+	9+	2500	0	*	56	45	41	Tr	-	*
Sumburgh	13.2	+10	WNW	4	c	45	85	41	8	5	-	-	10	10	1000	1	3	55	44	43	-	Tr	0.4
Blacksod Point	10.5	-30	SSE	4	RR	51	92	49	7	6	2	-	4-6	10	1500	2	3	56	48	*	Tr	4	*
Malin Head	13.9	-18	SE'S	2	c	50	85	46	8	5	7	-	4-6	9+	2500	1	2	53	46		0.1	0.3	0.0
Aldergrove	15.6	-14	SSE	1	c	48	85	45	8	5	7	-	Tr	10	2500	1	*	58	41	41	-	0.1	2.2
Birr Castle	13.9	-18	S	2	rr	48	97	47	7	6	2	-	4-6	10	800	1	*	62	46	44	-	3	5.5
Valentia Obsy.	13.0	-16	S	4	RR	55	97	54	6	6	-	-	10	10	800	1	4	57	50	48	-	12	8.2
Roches Point	15.5	-22	S	3	rr	53	97	52	6	6	2	-	4-6	10	800	1	3*	61	50	*	Tr	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 3rd June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 4th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	52	02735	27328	57	51746	29488	8-	25545	28284	83	62737	28157
115	51	02744	32148	--	46009	28269	52	02844	28327	52	02944	28227
203												
206	82	81655	26487	8-	02756	28326	5-	02756	00026	5-	02844	06227
210	80	01764	04124	5-	02757	27267	5-	02868	28328	5-	02768	14128
219	86	02844	19527	5-	51844	30458	52	02856	32257			
230	8-	02855	25428	8-	01754	25314	5-	05768	26328	5-	02868	23128
245	26	01864	04316	96	25864	00087	8-	02867	02287	57	02647	09368
260	8-	02856	04226	2-	01844	24324	83	25643	00086	70	01762	23214
278	26	02833	28625	26	01743	28244	5-	02746	23316	77	02854	14227
279	86	02865	28226	86	02855	30286	50	01744	28224	24	05654	20327
285												
288	7-	05545	65328	80	05664	03314	52	22435	00068	07	05690	19125
578	62	51745	28458	8-	10845	63486	57	01853	00014	57	02842	16228
301	50	01764	61424	53	02665	28525	5-	02765	28415	8-	02745	22227
321	86	02754	32466	5-	05655	30325	50	05664	26384	03	05690	24215
[illegible]	5-	05638	28428	50	05644	30414	50	01753	00003			
292	26	02755	28465	26	05653	30313	5-	61667	22187			
310										--	46109	24349
614	97	05654	28226	46	05662	28326	04	05690	25211	10	05562	24227

III	13h. G.M.T. 3rd June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 4th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	73	02755	59626	14	01753	58513	50	01764	23124	27	02844	15118
334	--	02646	26217							--	01693	28114
340	20	92765	28425	26	01864	28424	50	01763	22213	24	12761	24215
136	83	05645	26367	86	25645	04484	5-	05538	22128	5-	05667	24217
336	23	01753	28415	70	01759	28415				13	01753	20315
350	8-	10945	24385	83	02764	61495	40	01662	24302	07	02690	22225
368	80	01754	25414	83	02754	28325	62	02644	28126	50	02643	20428
379	23	25855	27485	86	02853	28425	00	00790	24300	04	02790	20325
390	27	05645	24487	9-	25545	26288	07	05590	26214	00	05690	23316
382	86	25855	27485	86	02856	29387	00	00790	26100	07	02790	23126
438	80	02755	23515	87	25744	28334				57	02664	28416
430	9-	25655	26385	87	02843	26384	00	00790	27100	07	02790	22116
409	5-	02846	61526	24	01842	28413	57	02745	25228	57	62746	19328

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 June.
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	cprpro	Kqprcbc	bcebcmp
Croydon	cpr.	cpr.c	cbcz.
Greenwich	cp	cpcrt	cbbc
Camden Square	c	c	*
Kensington	bc	bcebc	*
Hampstead	bcptl	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0.1 Time 16h 3rd. 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	61	47	34	1	-	2.3	*	*
Croydon	61	47	39	0.5	Tr	3.4	*	*
Greenwich	63	46	34	1	-	3.3	55	66
Westminster	63	47	42	0.7				
Regents Park		47	35	Tr	-		77	71
Camden Square	63	47	41	1	-	*	*	67
Kensington	63	46	35	Tr	0.3		62	67
Hampstead	61	46	38	0.1	-		*	71

SECRET

Page 1

BRITISH SECTION

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

Saturday 5th June 1943

No. 29,780

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·5	-6	SW'S	3	c	62	55	46	8	8	5	8	7-8	10	2500
	Croydon ...	21·3	-4	SW	3	c	63	55	47	8	4	-	6	4-6	9+	2800
	S. Farnborough	20·4	-6	SW'S	4	c	63	55	48	8	8	7	8	2-3	9+	2000
	Boscombe Down	20·4	-6	SSW	4	c	58	65	48	8	4	1	-	4-6	10	2500
	Thorney Island	21·8	+2	S'W	4	c	58	75	50	9	5	2	1	4-6	9+	2500
	Lympne ...	21·3	0	SSW	2	c	60	75	52	8	7	-	2	4-6	9+	3000
	Manston ...	20·8	+2	SW'W	4	z_0	61	65	50	6	8	-	-	9	9	3500
2	Shoeburyness ...	20·5	0	SW	3	c	66	55	49	8	8	-	1	7-8	9	2500
	Felixstowe ...	20·1	-2	W'S	2	c	65	55	48	8	5	3	-	7-8	9	4000
	Gorleston ...	19·9	0	W'N	2	c-bc	62	55	42	7	7	3	-	4-6	7-8	2500
	Mildenhall ...	19·0	-6	SW'S	3	c	63	55	47	8	1	-	7	2-3	10	2500
	Cranwell ...	17·8	-6	SW'S	4	c	64	65	49	7	5	2	-	4-6	10	3000
3	Birmingham ...	17·7	-14	SSW	4	c	60	56	45	8	8	7	-	9	10	2500
	Upper Heyford	18·8	-10	SW	3	c	62	55	46	8	1	1	6	4-6	9+	2800
4	Ross-on-Wye	18·5	-6	SSW	3	pr	56	65	45	8	5	1	-	4-6	10	2500
5	Hartland Point	17·3	-20	SW	4	rr	54	97	54	6	6	2	-	7-8	10	800
	Bristol ...	20·0	-10	SSW	3	r_0r_0	57	75	49	7	5	7	-	4-6	10	2500
	Portland Bill ...	21·8	-2	SW	4	c	55	92	53	8	5	-	-	10	10	4000
	Plymouth ...	21·1	-6	SW	3	dr	54	97	54	5	5	-	-	10	10	300
	The Lizard ...	19·4	-12	WSW	5	rf	52	97	52	3	5	-	-	10	10	600
	Scilly (St. Mary's)	18·9	-8	SW	4	F	56	97	56	1	-	-	-	10	10	<150
	Guernsey ...															
6	Pembroke ...	16·1	-22	SW'S	5	rr	54	97	54	6	8	2	-	7-8	10	2500
7	Holyhead (Valley)	14·0	-30	S'E	4	r_0r_0	53	92	51	6	6	2	-	7-8	10	500
	Chester (Sealand)	16·0	-14	S'W	2	r_0r_0	56	85	51	6	5	2	-	7-8	10	2000
8	Manchester ...	16·6	-16	SSW	4	c	60	65	46	9	4	7	-	2-3	10	2500
10	Spurn Head ...	17·4	-10	SSW	3	c	63	55	49	7	1	7	-	2-3	9+	1500
	Catterick (Sc) ...	15·7	-8	SSW	2	c	61	55	46	8	8	-	-	9+	9+	3000
	Tynemouth ...	15·5	-10	SW	3	z_0	61	45	41	6	8	-	-	9	9	1400
11	St. Abbs Head	13·3	-12	S	3	c	60	65	48	7	2	7	-	7-8	9	3000
	Leuchars ...	13·2	-14	ESE	3	c	57	75	49	7	8	7	-	9	10	3000
12	Renfrew (Abbots I.)	12·7	-14	SSW	2	c	57	65	46	8	8	2	-	7-8	10	2500
	Eskdalemuir ...	12·3	-14	S'W	4	c	54	75	45	7	5	-	-	9+	9+	1800
	Point of Ayre ...	13·3	-26	SSW	5	rr	50	97	49	6	6	2	-	7-8	10	800
13A	Tiree ...	11·1	-26	SE'S	3	r_0r_0	51	92	50	8	8	7	-	7-8	10	2000
13B	Stornoway ...	12·9	-10	NE	4	c	50	85	44	8	2	7	-	2-3	9+	2200
15	Dalwhinnie ...	13·0	-10	SSW	2	c	50	75	40	7	5	2	-	9+	10	2500
	Aberdeen ...	14·3	-16	SSE	3	z_0	51	85	46	6	5	7	-	2-3	10	1000
	Wick ...	14·4	+6	E'S	2	c	48	75	40	9	8	7	-	9	9+	3200
16	Sumburgh ...	13·4	-2	W	4	c	46	85	39	8	5	-	-	10	10	2500
17	Blacksod Point	08·7	+2	WSW	4	dd	56	97	55	7	-	2	-	10	10	800
18	Malin Head ...	09·0	-30	SE'E	3	r_0r_0	50	85	46	7	5	-	-	4-6	10	2500
	Aldergrove ...	10·0	-36	SE'E	1	rr	51	92	49	5	6	2	-	7-8	10	500
19	Birr Castle ...	10·8	-8	SW	3	c	59	97	58	7	6	2	-	7-8	10	800
20	Valentia Obsy.	13·2	+10	WSW	5	c/r	57	85	52	7	5	7	-	9	9+	1500
	Roches Point	13·3	-2	SSW	4	c/d	57	97	56	8	5	-	-	9+	9+	800

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. (31)	Sea. 0–9 (32)
1	London (Kew)	19·1	-6	SW'S	3	r_0r_0	55	85	50	6	6	2	-	4-6	10	1500	1	*
	Croydon ...	20·4	-4	SSW	3	r_0r_0	54	85	51	7	6	2	-	4-6	10	1200	1	*
	S. Farnborough	19·4	-10	SSW	3	r_0r_0	54	92	52	8	6	2	-	9	10	1000	1	*
	Boscombe Down	18·7	-14	S'W	4	dr	52	97	51	6	-	2	-	10	10	500	1	*
	Thorney Island	20·1	-10	S'W	3	rr	58	92	51	6	6	2	-	7-8	10	800	1	*
	Lympne ...	21·3	+2	WSW	4	c/d	55	85	49	8	1	7	-	Tr	10	3000	1	§ 3
	Manston ...	20·7	0	WSW	4	ir_0	56	65	46	8	5	2	-	2-3	10	3500	0	*
2	Shoeburyness ...	20·1	0	SSW	4	c/r	58	75	48	8	5	2	-	4-6	10	4000	1	*
	Felixstowe ...	19·0	-6	SW'S	5	ir_0	59	65	43	7	-	2	-	0	10	—	0	4
	Gorleston ...	17·7	0	S	3	c	61	75	53	7	7	-	-	10	10	2500	0	3
	Mildenhall ...	17·6	-8	SW'S	4	ir_0	60	55	45	8	-	7	-	0	10	—	1	*
	Cranwell ...	15·6	-12	S'W	4	rr	54	92	52	6	-	2	-	0	10	—	1	*
3	Birmingham ...	15·5	-14	SSW	4	r_0r_0	52	97	51	8	6	2	-	9+	10	1500	1	*
	Upper Heyford	17·4	-8	S'W	3	ir_0	52	97	51	7	6	2	-	9+	10	1100	1	*
4	Ross-on-Wye	15·8	-20	SSW	4	o/r	58	92	53	7	6	-	-	10	10	1500	0	*
5	Hartland Point	15·5	-4	W	5	f-	55	97	55	3	-	-	-	10	10	<150	1	4
	Bristol ...	17·4	-14	S	4	ir_0	56	97	54	7	6	-	-	10	10	800	1	*
	Portland Bill ...	18·6	-12	S	4	rr	53	92	51	6	5	-	-	10	10	2500	1	5
	Plymouth ...	19·0	-10	WSW	4	id_0	55	97	55	4	5	-	-	10	10	<150	1	4
	The Lizard ...	18·3	-4	WSW	5	oF+	55	97	55	1	5	-	-	10	10	200	1	4
	Scilly (St. Mary's)	18·2	-2	WSW	4	F	55	97	55	1	-	-	-	10	10	<150	1	4
	Guernsey ...																	
6	Pembroke ...	14·7	-6	WSW	5	z_0	55	97	55	6	5	3	-	7-8	10	2000	1	4
7	Holyhead (Valley)	12·1	-2	SSW	4	ff	54	97	54	2	-	-	-	10	10	<150	1	4
	Chester (Sealand)	12·5	-30	SSW	2	c	58	85	55	7	5	7	-	9	9+	2000	1	*
8	Manchester ...	13·6	-14	S'E	5	o/r	53	92	51	6	6	2	-	7-8	10	800	1	*
10	Spurn Head ...	16·3	-8	SW'S	4	r_0r_0	60	65	48	7	5	-	-	10	10	1500	1	3
	Catterick (Sc) ...	14·3	-6	SE	1	r_0r_0	54	92	53	4	5	2	-	7-8	10	900	1	*
	Tynemouth ...	13·3	-10	SSE	3	rr	54	85	49	6	6	-	-	10	10	2000	1	2
11	St. Abbs Head	11·2	-10	SSE	2	rr	51	97	51	7	5	-	-	10	10	2500	1	2
	Leuchars ...	11·1	-12	—	0	rr	51	85	47	6	5	-	-	10	10	1500	1	*
12	Renfrew (Abbots I.)	09·3	-12	ENE	1	ir_0	52	92	51	4	6	2	-	7-8	10	800	1	*
	Eskdalemuir ...	10·4	-26	SSE	3	r_0r_0	50	92	48	6	-	2	-	10	10	400	1	*
	Point of Ayre ...	09·9	-8	SSW	3	c/r	55	97	55	8	9	-	-	9+	9+	2500	1	3
13A	Tiree ...	08·7	-10	SE'E	3	r_0r_0	51	97	49	9	5	-	-	10	10	1000	1	3
13B	Stornoway ...	11·7	-6	NE	6	ir_0	47	85	43	7	5	2	-	7-8	10	2000	1	4
15	Dalwhinnie ...	10·5	-8	S	2	r_0r_0	47	92	44	7	5	2	-	7-8	10	1500	1	*
	Aberdeen ...	11·4	-14	S	1	r_0r_0	52	92	50	4	6	2	-	7-8	10	1500	1	2
	Wick ...	13·1	-6	ENE	3	r_0r_0	45	97	44	6	5	-	-	10	10	200	1	*
16	Sumburgh ...	13·6	+2	NW	3	c-bc	47	75	37	9	5	-	6	2-3	7-8	2500	1	2
17	Blacksod Point	10·0	+8	WSW	5	c	56	85	51	7	6	-	-	10	10	1500	1	3
18	Malin Head ...	07·9	-2	W'S	2	ir	54	92	52	8	5	-	-	10	10	2500	1	2
	Aldergrove ...	08·8	-6	SW	1	PR	53	85	55	7	9	-	-	7-8	9+	1000	1	*
19	Birr Castle ...	11·4	+6	WSW	3	c	60	75	52	8	3	3	-	2-3	9	1500	1	*
20	Valentia Obsy.	13·8	0	SW	4	c	56	85	51	7	5	7	-	7-8	9+	2500	1	4
	Roches Point	13·7	+6	WSW	4	c-bc	58	85	53	8	5	1	5	4-6	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 4th (39)	13h.—18h. 4th (40)	18h.—1h. 4th/5th (41)	1h.—7h. 5th (42)
1	London (Kew)	cm_0wcy	$ir_0r_0r_0m_0$	cr_0rir_0	c
	Croydon ...	e	$ccir_0$	$r_0r_0d_0$	cd_0c
	S. Farnborough	$cbccyc$	cir_0	$tr_0cir_0r_0r_0ocm_0c$	
	Boscombe Down	bcm_0c	$ccir_0crrr_0$	ed_0reid_0cc	
	Thorney Island	cwc	ccm_0crr	od_0d_0o	$ocid_0c$
	Lympne ...	bcc	cd_0c	$ccrrr_0m_0cd_0d_0m_0$	
	Manston ...	$bccyz_0$	$czcy$	$cir_0rrd_0d_0m_0cid_0cm_0c$	
2	Shoeburyness ...	cm_0	$cycr_0$	$crr\ cir$	cir
	Felixstowe ...	bm_0bccy	$cycir_0$	$cr_0r_0cm_0$	id_0ir_0c
	Gorleston ...	bcc	c	pr_0r_0	c
	Mildenhall ...	cm_0c	$cycd_0d_0$		c
	Cranwell ...	bm_0c	crr	cm_0rrc	c
3	Birmingham ...	bcc	cr_0r_0		cir_0
	Upper Heyford	c	$cycr_0r_0$	$cd_0d_0m_0cm_0cm_0$	
4	Ross-on-Wye	c	cr_0cr_0	cr_0bc	c
5	Hartland Point	cir_0bc	$crrrfrf$	drdrc	cir_0c
	Bristol ...	$cwccir_0$	cr_0crcr_0	cir_0c	c_1m_0c
	Portland Bill ...	c	$orrm_0$	o	oc
	Plymouth ...	$cr_0r_0m_0$	ofd_0r_0m	oid_0m_0c	cm_0
	The Lizard ...	crrrc	ffdf	oFfo	offc
	Scilly (St. Mary's)	or_0dff	oFfe	oFfecw	c
	Guernsey ...				
6	Pembroke ...	ir_0rrm_0	$r_0r_0ddcm_0$	cq_0	rrprbc
7	Holyhead (Valley)	$cr_0r_0m_0$	$cr_0r_0am_0$	$fcir_0c$	cir_0m_0
	Chester (Sealand)	cr_0r_0	$cr_0r_0m_0c$	d_0d_0c	cm_0r_0
8	Manchester ...	cm_0wc	$cr_0r_0rm_0$	cir_0rrm_0	$irRm_0$
10	Spurn Head ...	c	cr_0r_0	cbc	c
	Catterick (Sc) ...	ccy	cr_0r_0rm	$cmir_0cm_0$	$crrm_0c$
	Tynemouth ...	cm_0	cm_0orr	$orrm_0$	$ocirm_0$
11	St. Abbs Head	cm_0c	crrc	$crrcm_0$	cm_0Frr
	Leuchars ...	cwm_0c	cprrr	$rrir_0d_0dm_0prrcq$	
12	Renfrew (Abbots I.)	c	$cm_0r_0cmir_0cm_0ir_0d_0ir_0cmr_0rom_0rr$		
	Eskdalemuir ...		$cr_0r_0m_0c$	or_0rom	or_0rom_0c
	Point of Ayre ...	crr	rrcrr	cbcc	ir_0r
13A	Tiree ...	$ccprr_0r_0$	$cir_0ccr_0r_0$	c	oorrdrm
13B	Stornoway ...	c	$ccir_0$	$cir_0r_0r_0c$	c
15	Dalwhinnie ...	oco	orr		oir
	Aberdeen ...	$ccir_0cz_0$	$cc\ r_0r_0m$	$crrir_0d_0d_0mcd_0d_0oz_0$	
	Wick ...	cd_0d_0cvc	$ccr_0r_0m_0$	$cr_0r_0m_0$	$cr_0r_0cd_0d_0$
16	Sumburgh ...	c	c	c	c
17	Blacksod Point	d	bc	r	r
18	Malin Head ...	r	r	d	r
	Aldergrove ...	$r_0r_0m_0rrm_0$	rrm_0ccpr	$ccir_0r_0r_0$	$crrm_0c$
19	Birr Castle ...	r	pr	*	r
20	Valentia Obsy.	r	bc	pr	pr
	Roches Point	r	d	r	r

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate southwest wind fresh locally; bright intervals; showers; perhaps local thunder; cool.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate southwest wind fresh locally; cloudy; occasional rain or showers; local thunderstorms; cool.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate northeast wind fresh locally; cloudy; occasional rain; very cool.
16 Orkneys and Shetlands	Moderate northeast wind; bright intervals; local showers; very cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-12.

GENERAL INFERENCE

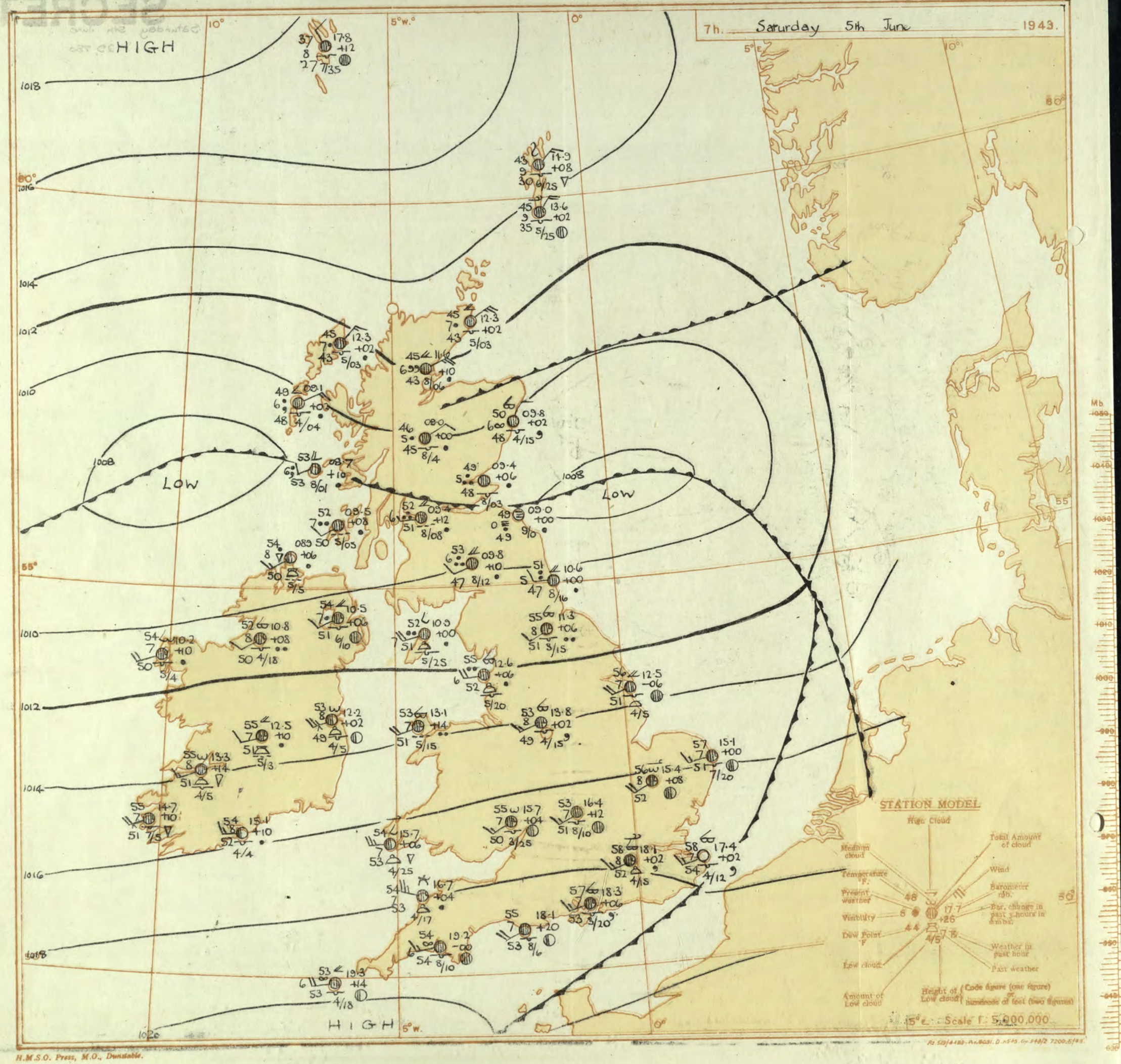
An elongated depression over Scotland is moving east. There will be some rain in the North. Elsewhere there will be bright intervals and showers.

FURTHER OUTLOOK

Unsettled. Rain in the West spreading northeast.

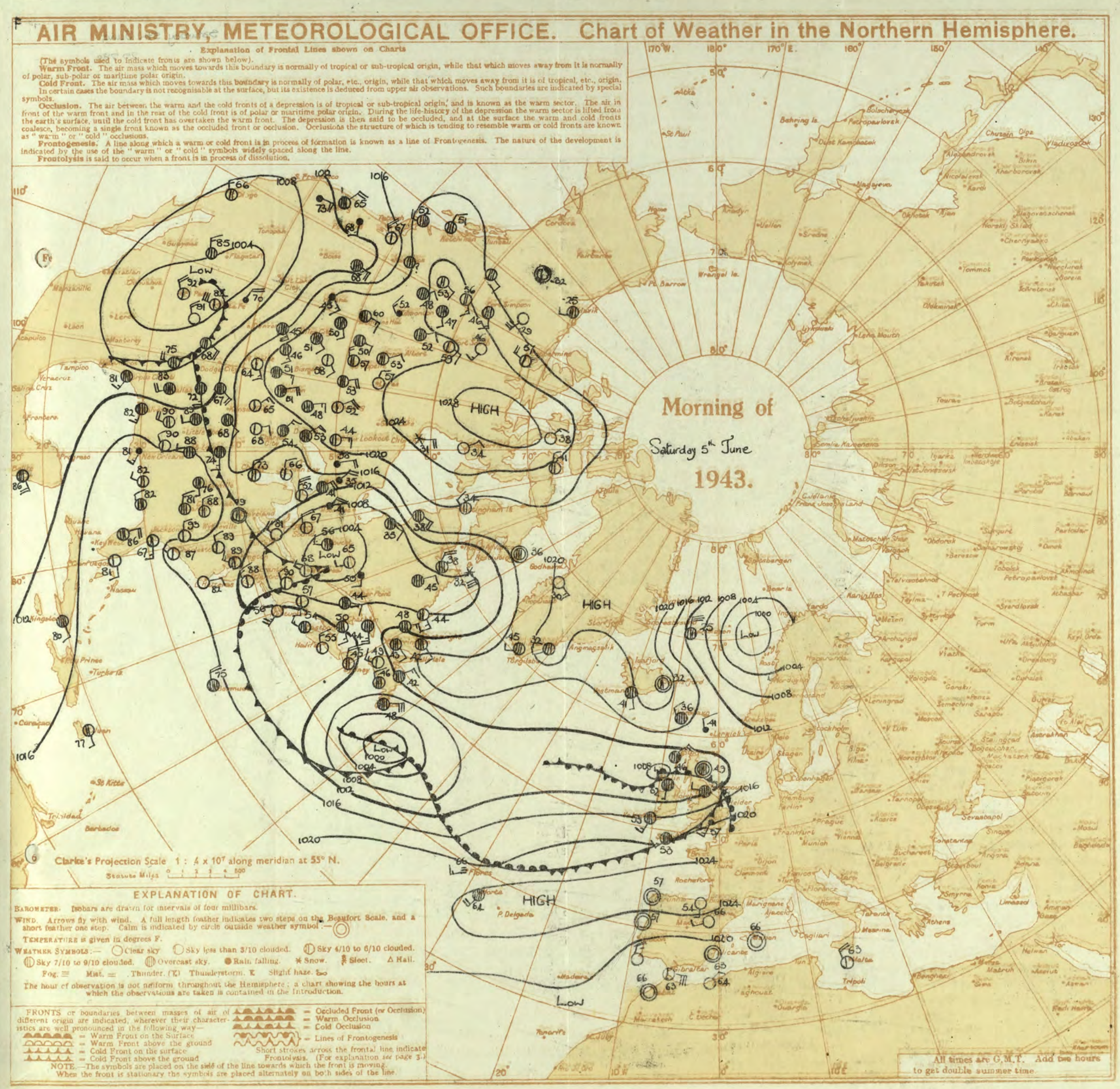
Forecasts issued at 10·30

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 5th June 1943

No. 29,780

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

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	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·0	-2	SW'W	3	id.	57	97	56	7	5	-	-	10	10	600
	S. Farnborough	226	17·1	-2	SW'W	3	z.	56	92	55	6	5	-	-	10	10	800
	Boscombe Down	417	17·3	-4	SW'S	2	c	55	97	53	7	5	2	-	7-8	10	1000
	Thorney Island	10	17·9	-6	SW'W	4	c/d	56	97	55	5	5	-	-	10	10	800
	Lympne ...	283	18·5	-18	SW	3	d.d.	55	97	55	5	5	-	-	10	10	400
	Manston ...	154	18·1	-14	SW'S	4	id.	55	92	54	6	6	2	-	7-8	10	500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	16·3	-12	SW	4	c/r	57	92	55	5	5	2	-	4-6	10	700
	Gorleston ...	5	16·0	-12	SW'S	4	c/r	53	92	52	7	6	-	-	10	10	1500
	Mildenhall ...	15	15·1	-12	SSW	4	c/d	55	97	55	6	5	-	-	9+	9+	1000
	Cranwell ...	203	13·3	-10	SW	5	c	55	97	53	7	5	7	-	9	9+	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·7	0	SSW	4	z.	54	97	53	6	5	7	-	4-6	7-8	1000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·5	0	WSW	5	c	54	97	52	7	2	6	-	4-6	9	1500
	Bristol ...	209	17·1	0	WSW	3	c-bc	54	85	51	7	6	7	2	2-3	7-8	2200
	Portland Bill ...	32	18·9	+2	S	4	o	55	92	53	7	5	-	-	10	10	2500
	Plymouth ...	82	19·2	+2	WSW	3	z.	54	97	54	6	5	-	-	10	10	1000
	The Lizard ...	240	18·9	0	W	3	o	54	97	50	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	18·6	-2	SW'W	3	c	53	97	53	7	5	7	-	7-8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	15·1	0	W'S	5	cq	53	97	51	7	5	-	-	10	10	2500
7	Holyhead (Valley)	32	12·9	+6	WSW	1	z.	53	97	52	6	5	7	-	7-8	10	5700
	Chester (Sealand)	16	12·9	+4	WSW	1	c	56	85	52	6	5	-	-	10	10	3000
8	Manchester ...	235	13·1	+4	SSW	4	rr	53	97	53	6	-	2	-	10	10	600
10	Spurn Head ...	29	12·9	-12	SW	3	bc	56	92	54	7	7	7	-	2-3	4-6	1500
	Catterick (Sc) ...	192	11·1	-10	SW	2	z.	56	92	54	5	5	7	-	7-8	10	1400
	Tynemouth ...	108	10·9	-6	W	2	z.	54	92	50	6	5	-	-	10	10	1500
11	St. Abbs Head	280	09·0	-2	W	3	z.	53	97	52	6	5	-	-	9+	9+	4000
	Leuchars ...	36	09·4	0	-	0	c/d	50	97	49	6	6	-	-	10	10	600
12	Renfrew (Abbots L.)	19	09·2	+2	-	0	ir.	52	97	52	4	6	2	-	9	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10·3	+6	W'N	3	c	54	92	52	8	8	3	-	7-8	9	2500
13A	Tiree	44	09·0	0	SSW	2	c	51	97	51	7	5	7	-	7-8	10	1000
13B	Stornoway ...	15	11·0	-6	NE	5	c/r	46	85	43	7	5	2	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·7	-4	-	0	c/d	49	92	47	5	5	-	-	10	10	1300
	Wick ...	114	12·7	-2	NE	3	r.r.	44	92	43	6	5	2	-	7-8	10	300
16	Sumburgh ..	19	13·6	0	N'E	3	c	40	85	37	8	5	4	5	2-3	9	2500
17	Blacksod Point	18	09·3	-6	SW'S	5	RR	53	92	51	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	08·8	0	S	1	c	52	92	50	8	5	-	-	9+	9+	2500
	Aldergrove ...	268	10·6	+2	WSW	1	rr	53	92	51	6	5	-	-	10	10	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·5	-2	SW'W	4	c-b/r	53	92	51	8	5	-	-	7-8	7-8	1500
	Roches Point	22	14·3	-6	SW	4	ir	54	97	54	8	6	2	-	4-6	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·3	+6	SW'W	3	c	57	75	50	8	8	7	2	4-6	9+	1500	1	*
	Croydon ...	17·1	+2	WSW	3	c	58	85	52	8	2	7	2	4-6	9+	1500	1	*
	S. Farnborough	17·8	+8	W'S	4	c	56	85	51	8	7	7	-	2-3	9	1800	1	*
	Boscombe Down	18·0	+6	SW'S	2	c	54	85	50	8	5	7	8	2-3	9	4500	0	*
	Thorney Island	18·3	+6	WSW	3	c	57	85	53	7	5	7	-	2-3	9+	2000	1	*
	Lympne ...	18·0	+2	SW	3	c	56	92	54	8	5	3	-	7-8	9+	400	1	§ 4
	Manston ...	17·4	+2	WSW	3	c	58	85	54	7	5	7	-	4-6	9	1200	1	*
2	Shoeburyness ...	17·6	+8	W	3	c	58	85	54	8	7	7	-	7-8	9+	1500	1	*
	Felixstowe ...	16·6	+14	WSW	4	c	58	85	54	7	5	2	-	9	10	4000	1	3
	Gorleston ...	15·1	0	WSW	3	c	57	85	51	7	5	-	-	9+	9+	2000	1	3
	Mildenhall ...	15·4	+8	SW	4	c	56	85	52	8	-	3	8	0	9	-	1	*
	Cranwell ...	13·5	+4	SW'W	5	ir.	55	85	51	7	5	7	-	2-3	10	2000	1	*
3	Birmingham ...	15·0	+2	SW	3	c	53	85	49	7	5	2	-	9	10	1500	1	*
	Upper Heyford	16·4	+12	SW	3	c	53	92	51	7	5	-	-	10	10	1000	1	*
4	Ross-on-Wye	15·7	+4	SW'S	3	c	55	85	50	7	5	3	-	2-3	9+	2500	1	*
5	Hartland Point	16·7	+4	W	5	c	54	97	53	7	2	6	-	4-6	9	1700	1	4
	Bristol ...	17·5	+4	SW	3	c	56	85	52	7	5	7	-	9	9+	2500	1	*
	Portland Bill ...	18·1	+2	SW	4	c	55	92	53	7	5	-	-	10	10	4000	2	4
	Plymouth ...	19·2	0	W'S	3	z.	54	97	54	6	5	-	-	10	10	1000	1	3
	The Lizard ...	18·9	+6	WSW	4	c	54	97	54	7	5	1	-	7-8	9+	1500	1	4
	Scilly (St. Mary's)	19·3	+14	W'S	4	z.	53	97	53	6	5	2	-	4-6	10	1800	1	4
	Guernsey ...																	
6	Pembroke ...	15·7	+6	W	5	c-bc	54	97	53	7	2	4	1	4-6	7-8	2500	1	4
7	Holyhead (Valley)	13·1	+14	SW'W	4	c/r	53	92	51	7	6	7	-	7-8	9+	1500	1	3
	Chester (Sealand)	13·0	+6	WSW	1	c	56	75	49	7	5	7	7	4-6	10	3500	1	*
8	Manchester ...	13·2	+2	SSW	3	z.	54	97	52	6	5	7	-	7-8	9+	2000	1	*
10	Spurn Head ...	12·5	-6	SW'W	4	c	56	85	51	7	7	2	-	4-6	10	2500	0	3
	Catterick (Sc) ...	11·3	+6	SW	2	c/r	55	85	51	8	5	7	-	2-3	9+	1500	1	*
	Tynemouth ...	10·6	0	W	2	ir	51	85	47	5	-	2	-	10	10	1600	1	2
11	St. Abbs Head	09·0	0	-	0	rF	49	97	49	9	-	-	-	10	10	4150	1	3
	Leuchars ...	09·4	+6	-	0	rr	49	97	48	5	5	-	-	10	10	300	1	*
12	Renfrew (Abbots L.)	09·4	+12	W	1	rr	52	97	51	6	6	2	-	9	10	800	1	*
	Eskdalemuir ...	09·8	+10	SW'W	2	rr	53	85	47	6	-	2	-	10	10	1200	1	*
	Point of Ayre ...	10·9	0	W'S	4	r.r.	52	97	51	7	8	4	-	7-8	10	2500	1	2
13A	Tiree	08·7	+10	SW'W	2	dr	53	97	53	6	-	2	-	10	10	100	2	2
13B	Stornoway ...	10·9	+2	ENE	5	c	47	85	43	8	5	2	-	4-6	10	1600	1	3
15	Dalwhinnie ...	09·0	0	NE	2	ir.	46	97	45	5	5	-	-	10	10	1500	1	*
	Aberdeen † ...	09·8	+2	NNE	2	z.	50	92	48	6	5	7	-	4-6	10	1500	1	1
	Wick ...	12·3	+2	NNE	3	ir.	45	85	43	7	5	-	-	7-8	10	300	1	*
16	Sumburgh ..	13·6	+2	NNE	4	c	45	65	35	9	5	-	2	7-8	9+	2500	0	2
17	Blacksod Point	10·2	+10	WSW	4	c	54	85	50	7	5	5	-	7-8	9	1500	1	3
18	Malin Head ...	08·9	+6	SW	3	pr	54	85	50	8	9	-	-	7-8	7-8	2500	2	2
	Aldergrove ...	10·5	+6	SW	2	ir.	54	92	51	7	5	2	-	9	9+	1000	1	*
19	Birr Castle ...	12·5	+10	WSW	2	c	55	85	51	7	9	2	-	7-8	9+	800	1	*
20	Valentia Obsy.	14·7	+10	SW'W	4	c	55	85	51	7	5	-	-	9+	9+	2500	1	4
	Roches Point	15·1	+10	W	3	bc	54	92	52	8	5	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F	Temperature. Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 4th Hrs.
London (Kew)	63	54	52	0·6	2	2·5
Croydon	65	53	51	Tr	1	6·0
S. Farnborough	64	53	52	0·1	0·5	1·4
Boscombe Down	62	51	50	1	0·6	1·8
Thorney Island	63	53	53	0·5	1	*
Lympne	61	51	51	Tr	4	4·4
Manston	65	52	50	Tr	3	4·8
Shoeburyness	66	53	54	Tr	3	6·7
Felixstowe	65	53	52	Tr	3	5·
Gorleston	63	53	51	–	2	1·5
Mildenhall	64	53	52	Tr	4	3·0
Cranwell	(64)	52	51	1	1	5·9
Birmingham	60	50	48	1	0·5	3·4
Upper Heyford	62	51	45	1	1	*
Ross-on-Wye	59	53	51	2	0·2	1·6
Hartland Point	56	53	52	6	2	6·0
Bristol	59	52	49	3	1	1·5
Portland Bill	55	53	*	2	-	*
Plymouth	55	52	49	7	0·4	0·0
The Lizard	55	51	*	4	0·5	0·0
Scilly (St. Mary's)	56	52	*	2	Tr	1·9
Guernsey						
Pembroke	55	52	*	7	1	0·0
Holyhead (Valley)	55	52	51	9	2	*
Chester (Sealand)	63	55		2	2	4·2
Manchester	61	52	49	5	5	*
Spurn Head	63	53	*	Tr	3	3·1
Catterick (Sc)	62	52	51	5	0·4	2·8
Tynemouth	62	51	49	3	3	*
St. Abbs Head	60	48	*	3	5	*
Leuchars	60	49	49	5	4	0·3
Renfrew (Abbots L.)	58	51	47	5	6	0·2
Eskdalemuir	55	49	49	6	5	0·5
Point of Ayre	58	59	*	15	3	1·3
Tiree	53	50	50	1	13	0·3
Stornoway	52	45	43	Tr	0·6	0·8
Dalwhinnie	52	45	45	4	2	0·0
Aberdeen †	52	48	47	0·3	2	0·0
Wick	55	42	42	2	8	*
Sumburgh	48	39	35	Tr	-	5·1
Blacksod Point	58	51	*	3	4	*
Malin Head	55	51		5	5	0·0
Aldergrove	60	51	50	8	9	1·0
Birr Castle	61	50	48	7	2	2·8
Valentia Obsy.	59	52	50	3	2	1·7
Roches Point	61	54		5	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 4th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	02855	29326	57	02855	05327	57	51845	04357	52	02846	04358
115	54	02844	04285	52	81935	04598	52	02844	04527			
203	5-	03848	04328	5-	61848	84488	5-	03948	04328			
206	52	51845	08368	52	22855	10368	5-	02638	04438	02	52628	04568
210	5-	22868	08268				5-	02668	05468	5-	52548	04458
219	52	61844	10328	52	22755	06668	52	61748	07458	51	58624	07368
230	82	02865	14128	52	61756	00068	52	21646	00068	6-	64628	00068
245	5-	05635	10328	52	62438	18368	02	58638	04168	62	62746	00068
260	72	02865	20328				--	48209	00059	5-	64408	00068
276	62	64586	10368	62	02527	22-68	8-	02748	24288	62	62736	20268
279	52	63854	20428	52	02856	18468	52	05635	21428	62	62744	22268
285	27	03854	20428							62	63634	24468
288	11	02863	16228	02	64698	16268	57	05645	19228	75	22844	19266
575	02	63538	00068	3-	25735	55486	52	62545	20268	57	22844	20267
301	02	62758	16468	62	52545	16468	5-	02868	23428	87	62645	24468
321	21	02764	20328	02	64648	18468				57	05645	14258
290	8-	02646	18216	5-	62648	18268	50	05644	22314	52	05645	22218
292	51	05654	19128	5-	62668	18368	5-	05645	00065	57	02745	22126
310	--	02634	20428							--	02628	24458
614	21	05655	20428	52	61635	18368	51	05644	20325	57	22653	20327

III	13h. G.M.T. 4th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 5th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
368	5-	55628	16568	5-	52528	20568	57	05654	20327	57	02745	205·7
334	--	64648	26268									
340	62	62755	20528	62	22645	18468	52	02845	20328	77	02854	2242·
136	86	02764	20327	52	61754	19328	62	05637	22428	57	05644	52427
336	52	22646	24468							62	62626	2036·
850	14	02864	23227	62	62644	51368	5-	22645	20365	57	02763	21428
368	62	61543	16268	62	62625	20168	62	05535	22426	5-	02634	22426
379	17	61844	20428	52	62537	18468	50	05644	59464	57	05644	20427
390	87	02755	22327	02	62590	18368	5-	52538	17368	57	05631	22357
382	17	02855	20328	52	62746	18368	5-	02757	23257			
438	70	02766	23516	5-	81658	22488	5-	61648	21678	5-	41738	24648
430	17	01753	18326	52	51556	20368	52	62628	20568	53	02734	20327
409	4-	52628	18458	5-	51608	21458	5-	05618	20328	52	05636	22428

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 June, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cm.wcy	ir.r.rom.	cr.ir.c	
Croydon ...	c	ccir.	r.r.cd.c	Kew 24 hours ended 7h. Max. Time
Greenwich ...	cy	c⊕yir.	r.r.c	
Camden Square	c	c	*	
Kensington ...	bcer	crcper	*	Lo·1
Hampstead ...	bcor	or	bc	Min. Time whole 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 13h % Yesterday	Humidity 9h % Yesterday	Humidity 9h % To-day
Kew ...	63	54	52	0·6	2	2·5	*		*
Croydon ...	65	53	51	Tr	1	6·0	*		*
Greenwich ...	66	53	51	0·3	1	5·3	51		65
Westminster ...	65	54	52		1		57		73
Regent's Park ...		53	52	-	2		56		71
Camden Square		53	52	0·3	1	*	*		65
Kensington ...	67	53	52	0·3	2		87		72
Hampstead ...	64	51	48	0·5	1		*		77

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BRITISH SECTION Sunday 6th June

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

SECRET

Sunday 6th June 1943

No. 29781

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

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)	17.4	-2	SW	3	c	62	65	49	8	8	7	2	7-8	9+	1500
	Croydon	18.5	+2	SW'S	3	pr	63	75	55	7	2	7	-	7-8	9+	2000
	S. Farnborough	17.8	-2	W'N	4	pr	62	65	51	8	8	7	-	7-8	9+	1600
	Boscombe Down	18.3	0	W'S	3	c/pr	59	75	49	8	8	7	2	4-6	9+	2000
	Thorney Island	18.9	-2	SW	4	c	60	85	53	9	7	2	-	7-8	10	5000
	Lympne	19.1	+6	SSE	3	c	60	85	54	8	1	7	-	7-8	10	3000
	Manston	17.6	+2	W	3	c	64	65	50	8	5	1	-	2-3	9+	2000
2	Shoeburyness	18.1	-2	WSW	3	c	65	65	53	7	1	7	-	2-3	9+	2500
	Felixstowe	17.1	+2	SW'W	5	c	62	75	54	8	8	7	-	7-8	9+	4000
	Gorleston	15.7	+4	NW	4	c-bc	67	65	53	7	8	-	-	7-8	7-8	2000
	Mildenhall	16.2	+6	WSW	4	ir	62	75	53	7	5	7	-	7-8	10	2500
	Cranwell	14.7	+4	W'S	4	c	66	65	50	8	8	7	4	7-8	9+	2000
3	Birmingham	15.7	+6	WSW	4	c	61	55	45	8	8	7	-	7-8	9+	2500
	Upper Heyford	16.1	0	W	5	c	62	65	48	8	2	6	6	2-3	9+	2200
4	Ross-on-Wye	16.9	+6	WSW	4	c	60	65	48	8	8	-	-	7-8	10	3000
5	Hartland Point	19.1	+10	W	4	c-bc	55	92	53	7	2	4	3	2-3	7-8	1100
	Bristol	18.5	+6	W	4	c	60	75	50	8	7	-	-	9+	9+	5700
	Portland Bill	10.5	+6	WSW	4	c	56	92	54	8	2	4	-	4-6	10	4000
	Plymouth	20.9	+12	WSW	4	c	57	92	55	8	8	2	-	4-6	10	2500
	The Lizard	20.4	+4	W	4	o	56	92	54	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	21.0	+6	WSW	4	c	58	85	53	7	5	3	-	4-6	9+	1800
	Guernsey															
6	Pembroke	18.0	+8	W'S	5	bcq	56	85	51	7	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	15.2	+10	SW	2	c	57	85	52	8	8	3	-	2-3	9+	2000
	Chester (Sealand)	14.3	+6	W	3	c-bc	65	55	50	8	8	7	-	7-8	7-8	2500
8	Manchester	14.4	+10	W'N	4	c	60	65	49	8	2	6	1	7-8	9+	2500
10	Spurn Head	13.6	+4	WSW	5	c	62	55	48	7	8	7	-	4-6	9+	1500
	Catterick (Sc)	12.0	+4	W	3	c-bc	63	55	48	8	2	6	-	4-6	7-8	2500
	Tynemouth	12.6	+6	WNW	4	c	58	75	48	7	8	-	-	9	9	1600
11	St. Abbs Head	11.1	+14	N	1	rr	49	97	49	6	5	2	-	7-8	10	1000
	Leuchars	11.8	+14	—	0	dd	53	85	48	6	8	7	-	10	10	1000
12	Renfrew (Abbots I.)	11.3	+10	WSW	3	c-bc/pr	60	65	49	8	8	7	-	4-6	7-8	2000
	Eskdalemuir	11.4	+12	W	3	pr	57	65	47	8	8	3	-	7-8	9	1600
	Point of Ayre	12.9	+8	W'N	4	c	63	75	53	8	2	9	-	1	9	2500
13A	Tiree	11.2	+26	WSW	2	c	56	92	53	8	5	7	-	4-6	10	800
13B	Stornoway	13.0	+10	ENE	5	c	49	75	44	8	5	2	-	4-6	10	2500
15	Dalwhinnie	11.5	+8	NE	3	o	49	85	56	7	5	-	-	10	10	1500
	Aberdeen	12.4	+14	NE	3	dd	50	92	46	6	5	2	-	9	10	1000
	Wick	14.1	+10	NNE	4	c	47	75	42	8	5	-	-	10	10	900
16	Sumburgh	15.4	+12	NE'N	4	bc	47	55	33	9	5	-	1	4-6	4-6	3000
17	Blacksod Point	11.9	+2	WSW	5	c	59	85	54	7	8	3	6	4-6	10	1500
18	Malin Head	11.7	+14	W	3	c	55	85	50	8	5	7	-	4-6	9	2500
	Aldergrove	12.7	+12	W	1	pr	59	75	50	8	8	6	-	4-6	9+	2000
19	Birr Castle	14.0	+2	WSW	3	c	61	75	53	8	8	2	-	7-8	9	1500
20	Valentia Obsy.	16.4	+6	SW	5	c	58	75	50	8	2	7	-	7-8	9+	2500
	Roches Point	16.7	+6	W'S	4	bc	59	85	54	8	2	4	-	4-6	4-6	1500

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

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)	18.4	+6	W'S	4	c-bc	64	55	45	7	8	5	3	4-6	7-8	2500	1	*
Croydon	19.5	+6	SW	2	c	60	85	54	8	2	3	2	7-8	9+	2500	1	*
S. Farnborough	18.7	+4	W	3	pr	61	65	48	8	8	7	-	7-8	7-8	2000	1	*
Boscombe Down	19.1	+2	W	3	c	59	65	48	8	2	3	-	1	9	2500	0	*
Thorney Island	19.2	+2	WSW	4	ir	58	85	52	6	-	7	-	0	10	-	0	*
Lympne	19.2	0	W'S	3	c	57	85	53	8	5	2	-	4-6	10	4500	1	§ 4
Manston	18.5	+6	WSW	3	c	59	75	51	8	5	7	7	4-6	10	5500	0	*
Shoeburyness	18.3	+6	SW	3	c	62	75	53	8	6	7	-	2-3	9	2500	0	*
Felixstowe	17.0	-2	SW'W	3	c	62	75	53	7	2	7	-	2-3	9+	4000	0	3
Gorleston	16.6	+4	W	2	c-bc	63	65	51	7	8	7	1	4-6	7-8	1800	0	3
Mildenhall	16.9	+4	WSW	4	c-bc	62	75	53	8	8	5	1	2-3	7-8	4000	1	*
Cranwell	15.7	-2	W	3	c-bc	63	65	52	8	8	3	-	7-8	7-8	2000	1	*
Birmingham	17.2	+6	SW	4	c	58	65	46	8	8	7	-	7-8	9+	2500	1	*
Upper Heyford	17.7	+10	W	3	c	59	75	49	8	8	6	1	1	9	3000	0	*
Ross-on-Wye	17.6	+6	W'S	4	b-bc	59	65	46	7	2	5	-	1	2-3	3500	1	*
Hartland Point	19.2	0	W	4	c	55	92	52	7	2	-	-	9+	9+	1200	0	4
Bristol	19.7	+2	WNW	3	b-bc	59	75	49	8	2	3	-	1	2-3	2500	1	*
Portland Bill	20.4	+6	WSW	4	c	55	92	53	8	5	-	-	10	10	4000	1	4
Plymouth	21.3	0	WSW	4	c-bc	56	92	54	7	8	7	6	2-3	7-8	2000	0	3
The Lizard	21.5	+4	W	3	c	55	92	54	7	5	1	-	7-8	10	1500	1	3
Scilly (St. Mary's)	21.0	0	WSW	4	c	56	92	53	7	5	7	-	4-6	10-	1200	0	4
Guernsey																	
Pembroke	18.4	0	W'S	4	bc	55	92	52	7	2	4	-	2-3	4-6	2500	0	3
Holyhead (Valley)	16.0	+2	SW	3	pr	54	92	52	7	8	7	-	9	9+	3500	1	2
Chester (Sealand)	15.9	+10	W	3	c	62	65	49	8	8	7	1	9	9+	2500	0	*
Manchester	16.0	+8	W'S	2	c-bc/pr	56	85	52	8	2	6	-	7-8	7-8	2500	1	*
Spurn Head	15.1	+6	WSW	4	z	60	75	50	6	8	7	-	4-6	9	1500	0	3
Catterick (Sc)	13.8	+10	W	3	c-bc	61	65	50	8	8	6	8	4-6	7-8	2500	1	*
Tynemouth	14.2	+18	N	3	c/pr	51	92	50	7	8	-	-	9+	9+	1800	1	2
St. Abbs Head	12.2	+4	N	1	c	50	92	48	7	5	7	-	7-8	9+	4500	1	2
Leuchars	14.4	+16	NE	2	z	50	85	47	6	5	2	-	4-6	10	500	0	*
Renfrew (Abbots I.)	12.8	+8	NW'W	2	rr	59	75	53	8	5	2	-	7-8	9+	1400	1	*
Eskdalemuir	13.0	+8	SW	3	c	57	85	52	8	8	3	-	9	9+	1500	1	*
Point of Ayre	14.3	0	W'N	4	pr	60	65	49	8	9	7	-	4-6	9+	3000	1	2
Tiree	12.8	+10	SW'S	2	id	54	97	53	8	5	7	-	9	9+	300	0	2
Stornoway	14.8	+10	ENE	5	c	49	85	43	8	5	7	-	1	10	2500	0	3
Dalwhinnie	14.0	+10	NE	3	o	46	97	45	5	5	-	-	10	10	1500	1	*
Aberdeen	15.4	+18	NE	3	c	49	85	45	7	5	3	-	10	10	1500	1	2
Wick	16.6	+16	NE'E	4	c-bc	46	65	36	8	5	7	-	4-6	7-8	2000	0	*
Sumburgh	16.7	+8	N'E	4	c-bc	46	65	36	9	7	-	8	4-6	7-8	2500	0	3
Blacksod Point	12.6	+2	WSW	3	c	56	85	51	7	6	-	-	10	10	1500	1	3
Malin Head	12.6	+2	W'S	3	c	56	75	48	8	5	7	-	4-6	9	2500	1	2
Aldergrove	14.1	+6	SW'W	1	c	56	85	51	8	8	-	-	7-8	9+	2500	1	*
Birr Castle	14.7	+2	WSW	2	c	57	75	49	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	17.0	+6	SW'S	4	rr	52	92	50	6	6	7	-	4-6	10	1500	1	5
Roches Point	17.0	+2	W'S	4	c-bc	57	85	52	8	3	3	5	2-3	7-8	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.—7h. 6th (42)
London (Kew)	c	cy	c	c
Croydon	c	cprc	cbcc	c
S. Farnborough	cprpr	cprcypr	cprcbcpr	cwc
Boscombe Down	ccprprc	c	cbccbcb	bbcc
Thorney Island	c	ccirm	bccm	bmcprid
Lympne	cyc	cyc	cbcc	cpr
Manston	czy	c	c	cmccmir
Shoeburyness	c	cd	c	cm
Felixstowe	cm	cprc	bczbc	crrircm
Gorleston	c	cpr	cbc	cir
Mildenhall	c	circ	cbc,c	c
Cranwell	ccmc	c	cbc	cmc
Birmingham	cpr	cpr	cprbc	bcc
Upper Heyford	c	ccprc	cbccbc	ccm
Ross-on-Wye	c	cbc	bc	bcc
Hartland Point	c	cbc	cprc	ir
Bristol	cmcprc	bc	bccmcir co	bcmoprc
Portland Bill	c	c	circ	oc
Plymouth	c	c	circ	coir
The Lizard	cp	coc	crr	crr
Scilly (St. Mary's)	c	cbc	c	crrc
Guernsey				
Pembroke	cbcw	bc	bcw	c
Holyhead (Valley)	cbcc	cprc	cprcir	circ
Chester (Sealand)	bc,cpr	cyc		crrm
Manchester	czpr	cprpr	cprbcm	cdrrr
Spurn Head	c	cz	cm	cm
Catterick (Sc)	c	c	c	cofe
Tynemouth	ormc	cp	cpco	omrr
St. Abbs Head	cffrrcm	crrcm	cmrrcrr	crmc
Leuchars	crrdm	cddmcm	ccirm	irmc
Renfrew (Abbots I.)	rrcmprc	cprcrc	crrPRrrc	cmccir
Eskdalemuir	rrprc	cprc	cprm	cirmc
Point of Ayre	irbc	cpr	pr	crr
Tiree	cdmc	ccid	ccrc	circ
Stornoway	ccirc	c	ccrrc	c,bcirc
Dalwhinnie	oir	oir	*	oir
Aberdeen	cirdm	cddc	ccpr	c
Wick	crrc	c	cbc	c
Sumburgh	cbccbcy	bcybc	bcprbc	cpr
Blacksod Point	c	c	r	r
Malin Head	c	pr	r	r
Aldergrove	ircjpc	cprccpbc	cprcbcc	circ
Birr Castle	pr	pr	*	r
Valentia Obsy.	pr	r	r	bc
Roches Point	pr	pr	c	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 6th June

Districts.	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Light or moderate westerly winds; scattered showers with risk of thunder in the East; appreciable clearances inland to-night: rather cool.
8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light variable winds; cloudy with occasional rain or showers; some hill fog especially in the West: rather cool.
13A W. Scotland 13B N.W. Scotland 14 Mid Scotland	Moderate southeasterly winds; cloudy with rain at times; fairly general hill fog in south, spreading north: rather cool.
15 N.E. Scotland 16 Orkneys and Shetlands	Light or moderate east to southeast winds; occasional showers or bright intervals: rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwesterly winds backing south: scattered showers at first, rain spreading across southwestern districts later: rather cool.

GENERAL INFERENCE

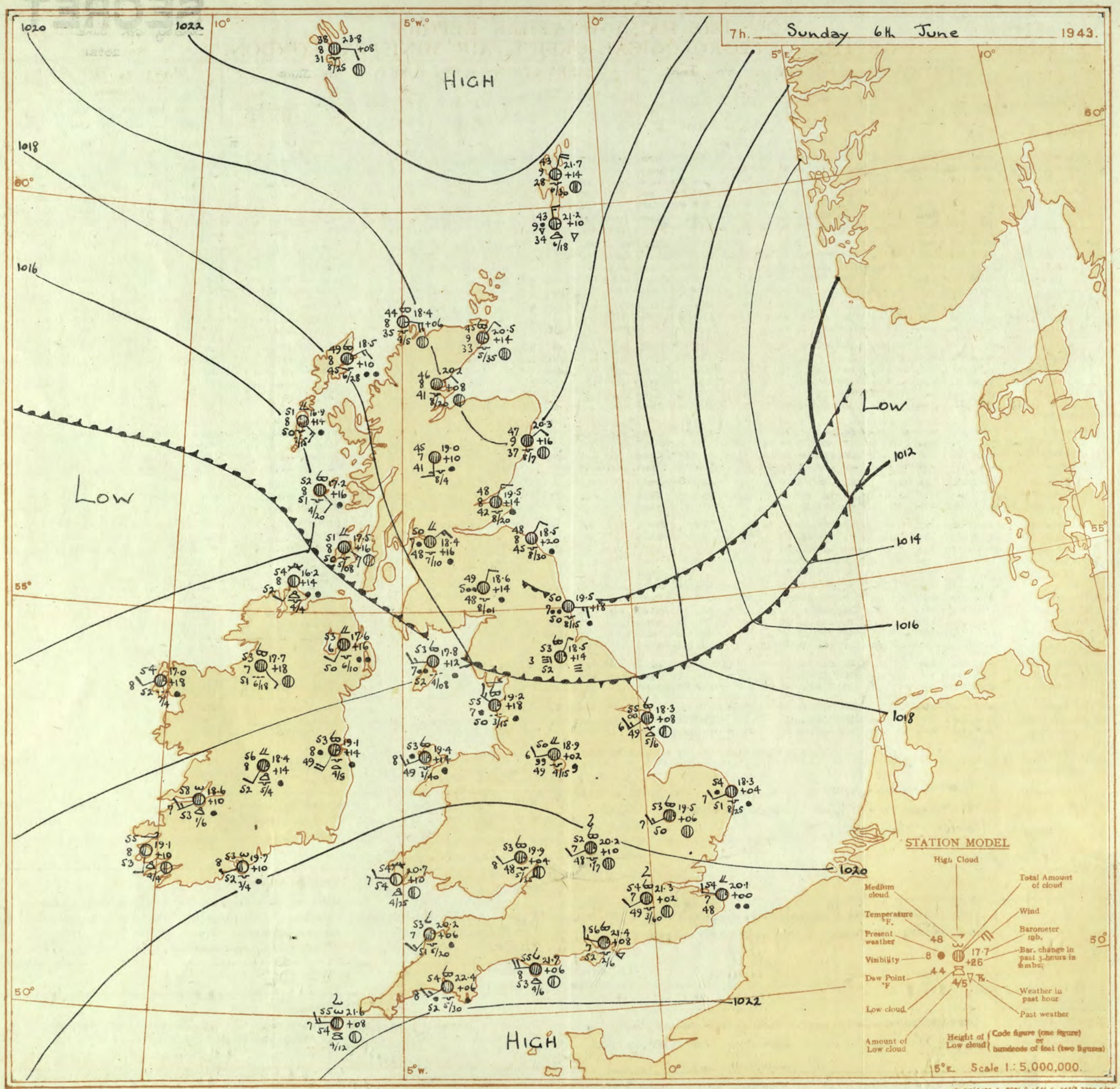
Pressure is high to the south of the British Isles and an anticyclone north of Scotland is moving southeast. A trough of low pressure from the North Channel to Yorkshire is moving slowly south in the East and northeast in the West, and a trough is approaching Eire from the Southwest. There will be rain or showers in most districts and it will be rather cool.

FURTHER OUTLOOK

Rain spreading northeast across much of British Isles, but little or none in the Southeast.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

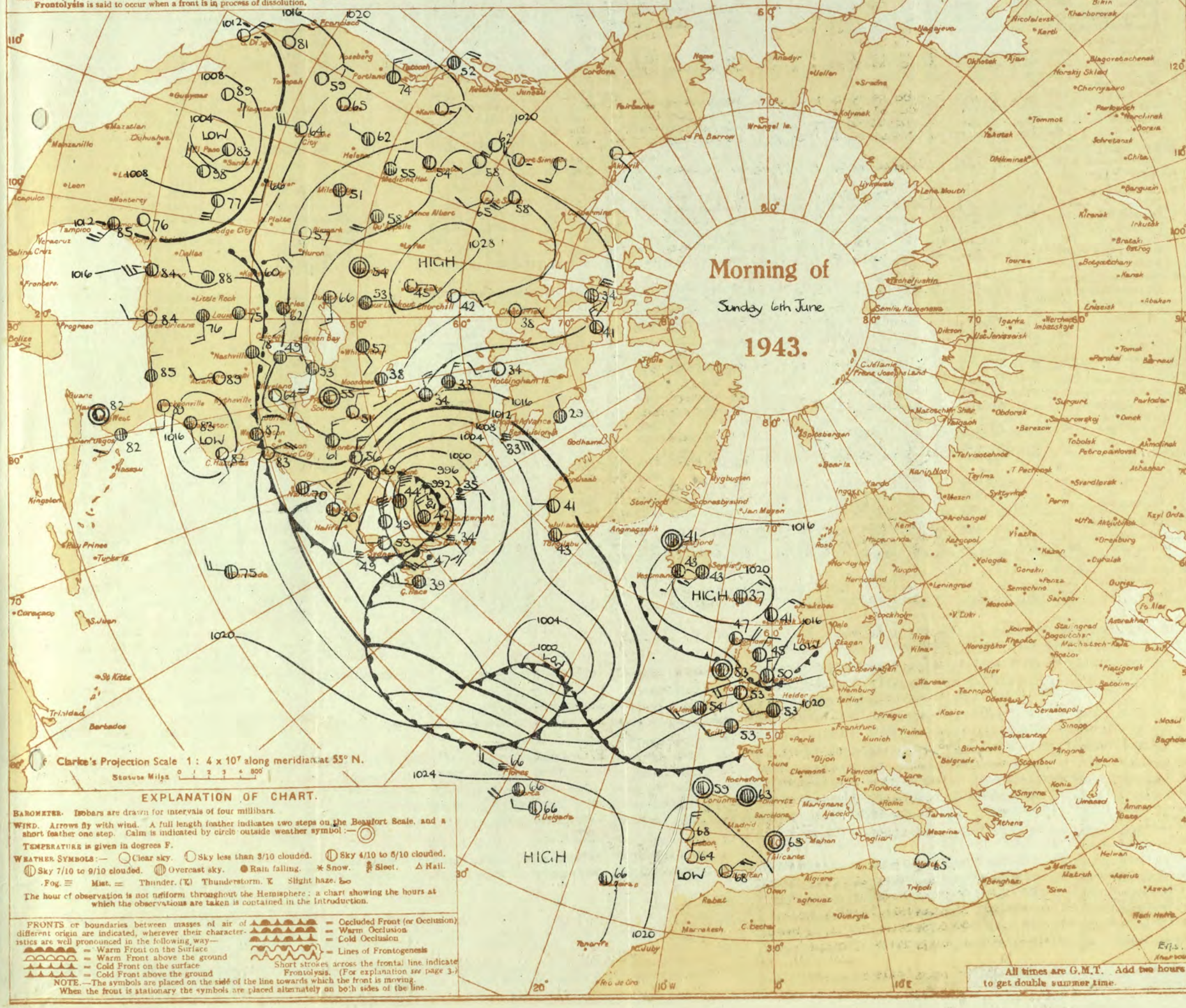
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 6th June, 1943

No. 20784

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

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	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20·9	+4	WSW	2	c	53	85	49	6	5	–	–	10	10	2000
	S. Farnborough	226	20·3	+2	W'N	1	c	52	85	47	8	5	7	–	4-6	9+	3000
	Boscombe Down	417	20·8	+6	–	0	b	48	92	46	7	–	7	–	0	1	–
	Thorney Island	10	20·7	+2	W	2	zo	54	92	52	6	–	–	–	0	0	–
	Lympne ..	283	20·3	+4	SW'W	3	c	53	97	52	7	–	3	–	0	9+	–
	Manston ...	154	20·1	+10	WSW	3	c	54	85	50	7	5	7	–	2-3	9+	6000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·6	+4	WSW	3	c-bc	55	75	48	7	6	1	–	2-3	7-8	4000
	Gorleston ...	5	17·6	+2	N'N	2	bc	52	92	49	7	5	–	–	4-6	4-6	1500
	Mildenhall ...	15	18·6	+4	WSW	3	c-bc	53	92	50	7	5	3	–	4-6	7-8	5200
	Cranwell ...	203	18·1	+4	WSW	3	c-bc	51	92	48	7	5	7	1	2-3	7-8	3500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·1	0	SW'W	2	c-bc	50	92	47	7	5	7	6	4-6	7-8	5000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·7	–2	W	5	bc c/r	54	97	53	7	2	2	–	2-3	10	1500
	Bristol ...	209	20·7	0	NSW	2		52	92	50	6	5	–	–	4-6	4-6	5100
	Portland Bill ...	32	20·6	–4	SW	4	o	54	92	52	7	5	–	–	10	10	2500
	Plymouth ...	82	21·9	+2	WSW	3	zo	54	97	54	6	8	7	–	4-6	9+	2500
	The Lizard ...	240	22·1	0	W'N	4	o	52	85	48	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	21·2	–2	SW	4	c	53	85	49	7	5	7	–	4-6	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	19·5	0	W'S	4	bc	53	97	52	8	2	6	–	4-6	4-6	2500
7	Holyhead (Valley)	32	17·4	+2	SW	1	c/r	53	92	51	7	5	–	–	7-8	10	4700
	Chester (Sealand)	16	17·5	0	–	0	c	55	85	50	7	5	7	–	7-8	9+	3500
8	Manchester ...	235	17·9	+6	S	3	zo	50	92	46	6	5	–	–	9+	10	2900
10	Spurn Head ...	29	17·4	+8	WSW	3	zo	55	85	51	6	7	–	–	9	9	1500
	Catterick (Sc) ...	192	16·5	+2	W	1	c	54	85	50	7	5	1	–	4-6	9+	6800
	Tynemouth ...	108	16·8	+4	N	3	o	50	97	49	7	6	–	–	10	10	1500
11	St. Abbs Head	280	16·1	+8	NNE	3	ro/o	48	97	48	7	5	–	–	9	9	1500
	Leuchars ...	36	17·4	+4	ENE	2	ir/o	48	97	46	6	5	–	–	10	10	1000
12	Bentrew (Abbots I.)	19	16·5	+10	ENE	2	c/r	50	97	48	5	5	2	–	9	10	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·5	+24	NE	3	c	55	85	51	8	5	–	–	10	10	3000
13A	Tiree	44	15·2	+6	S'E	2	c	52	97	52	8	5	–	–	1	10	300
13B	Stornoway ...	15	17·5	+6	E	4	c	47	85	43	7	5	7	–	Tr	9+	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·1	+10	NNE	1	c	45	92	42	7	5	7	–	9	10	2500
	Wick ...	114	18·7	+6	NE	2	bc	42	65	32	8	5	5	–	4-6	4-6	4000
16	Sumburgh ..	19	19·5	+12	NE	3	c-bc	40	85	35	8	8	–	–	7-8	7-8	2000
17	Blacksod Point	18	14·5	+6	WSW	3	ro/o	53	97	53	7	6	2	–	4-6	9+	1500
18	Malin Head ...	84	14·3	+6	–	0	o	53	92	51	8	5	–	–	10	10	1500
	Aldergrove ...	268	15·4	0	SSE	1	c	53	92	51	7	8	2	–	9	10	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·9	+2	SW	3	c	54	92	52	7	5	–	–	10	10	1500
	Roches Point	22	18·6	+4	WSW	3	c-bc	52	97	52	8	5	–	–	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20·7	+6	W'S	3	c	55	75	48	7	1	5	6	1	9	2500	1	*
Croydon ...	21·3	+2	WSW	2	c	54	85	49	7	5	7	6	2-3	10	6000	1	*
S. Farnborough	21·0	+6	W	3	c	53	85	49	8	1	7	8	Tr	9	2000	0	*
Boscombe Down	21·0	+4	W	2	c	54	85	50	7	5	7	6	4-6	9	5000	0	*
Thorney Island	21·4	+8	W'N	3	c	56	85	52	7	5	7	–	1	9+	4000	1	*
Lympne ..	20·8	+6	NW'N	2	c/pr	53	92	50	7	5	2	–	2-3	10	2000	0	3
Manston ...	20·1	0	W'N	2	c/r	54	85	48	7	–	2	–	0	9+	–	0	*
Shoeburyness ...	19·4	+4	NNW	2	zo	55	85	50	5	–	7	–	0	9	–	0	*
Felixstowe ...	19·6	+12	NW	3	c/r	53	85	50	6	5	2	–	7-8	10	4000	1	3
Gorleston ...	18·3	+4	NS	2	ir/o	54	85	51	7	5	–	–	10	10	2500	1	2
Mildenhall ...	19·5	+6	NSW	3	c	53	92	50	7	–	7	–	0	9+	–	1	*
Cranwell ...	18·9	+6	NS	4	zo	53	85	50	6	5	3	–	7-8	10	3500	1	*
Birmingham ...	19·6	+4	WSW	3	zo	51	85	47	6	5	7	–	4-6	9	1500	1	*
Upper Heyford	20·2	+10	NSW	2	c	52	92	48	7	5	7	6	Tr	9+	5700	0	*
Ross-on-Wye	19·9	+4	NSW	2	c	53	85	48	8	5	7	3	7-8	9+	3500	1	*
Hartland Point	20·2	+6	SW	3	c	53	92	51	7	5	4	–	7-8	9	2000	1	4
Bristol ...	21·5	+10	W	3	c	57	92	52	7	2	7	2	4-6	9+	2500	1	*
Portland Bill ...	21·7	+6	W	4	c	55	92	53	8	2	4	–	4-6	10	4000	1	4
Plymouth ...	22·4	+6	SW'W	3	ir/o	54	92	52	8	5	7	–	7-8	10	3000	1	
The Lizard ...	21·9	+4	SW	4	ro/o	53	97	47	7	5	–	–	9	9+	1500	1	2
Scilly (St. Mary's)	21·6	+8	W	3	c-bc	55	97	54	7	3	3	9	4-6	7-8	1200	1	4
Guernsey ...																	
Pembroke ...	20·7	+10	W	2	bc	54	97	54	7	2	6	–	4-6	4-6	2500	0	3
Holyhead (Valley)	19·4	+14	WSW	3	ir/o	53	85	49	8	5	7	–	2-3	9+	4000	1	2
Chester (Sealand)	19·2	+12	–	0	ro/o	54	92	51	7	5	3	–	9	9+	2500	1	*
Manchester ...	19·5	+16	W	2	rr	52	97	51	8	6	2	–	7-8	10	1000	1	*
Spurn Head ...	18·3	+8	W'S	3	zo	55	85	49	6	7	7	–	7-8	9+	2500	0	3
Catterick (Sc) ...	18·5	+14	NNE	1	cf	53	92	52	3	–	7	–	0	9+	–	1	*
Tynemouth ...	19·5	+18	E	3	ro/o	50	97	50	7	5	–	–	10	10	1500	1	3
St. Abbs Head	18·5	+20	NE	2	c	48	85	45	8	5	–	–	10	10	3000	0	3
Leuchars ...	19·5	+14	NE	3	c	48	75	42	8	5	–	–	10	10	2000	1	*
Bentrew (Abbots I.)	18·4	+16	ENE	3	ir/o	50	92	48	7	5	2	–	9+	10	1000	3	*
Eskdalemuir ...	18·6	+14	NNE	2	ro/o	49	97	48	5	5	–	–	10	10	100	1	*
Point of Ayre ...	17·8	+12	W	3	ro/o	53	97	52	7	6	7	–	4-6	10	800	1	2
Tiree	17·2	+16	SE'S	2	c	52	97	51	8	5	7	–	4-6	10	2000	1	2
Stornoway ...	18·5	+10	ENE	3	c/r	49	85	45	8	5	7	–	9	9+	2800	1	2
Dalwhinnie ...	19·0	+10	S	3	o	45	85	41	7	5	–	–	10	10	1500	1	*
Aberdeen † ...	20·3	+16	ENE	2	c	47	65	37	9	5	–	–	10	10	5700	1	2
Wick ...	20·5	+14	NE	2	c	45	65	33	9	5	7	–	7-8	9	3500	0	*
Sumburgh ..	21·2	+10	N	3	pr	43	75	34	9	2	–	–	9	9	1800	1	2
Blacksod Point	17·0	+18	W'S	2	c	54	92	52	8	6	–	–	9+	9+	1500	1	2
Malin Head ...	16·2	+14	SSW	2	c-bc	54	92	52	8	8	6	–	4-6	7-8	1500	1	2
Aldergrove ...	17·6	+16	SW'S	2	c/r	53	92	50	6	5	2	–	9	10	1000	1	*
Birr Castle ...	18·4	+14	SW	2	c	56	85	52	8	8	2	–	7-8	9+	1500	1	*
Valentia Obsy.	19·1	+10	S	2	bc	55	92	53	8	2	–	1	4-6	4-6	1500	1	
Roches Point	19·7	+10	WSW	1	bc	53	97	52	8	5	3	–	2-3	4-6	1500	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 ...5th Hrs. (38)
London (Kew)	65	52	47	–	–	2·7
Croydon ...	65	51	49	0·4	–	2·4
S. Farnborough	64	50	43	Tr	Tr	1·8
Boscombe Down	65	47	*	0·1	–	3·2
Thorney Island	62	53	51	Tr	0·6	*
Lympne ..	65	51	49	Tr	Tr	2·8
Manston ...	65	52	49	–	Tr	2·7
Shoeburyness ...	67	53	52	Tr	–	1·3
Felixstowe ...	69	51	50	0·2	3	3·
Gorleston ...	67	52	48	Tr	1	2·
Mildenhall ...	65	50	49	0·6	–	4·2
Cranwell ...	65	49	47	–	–	3·2
Birmingham ...	63	48	46	0·2	Tr	3·5
Upper Heyford	63	49	40	Tr	–	*
Ross-on-Wye	62	48	41	Tr	–	5·0
Hartland Point	57	53	51	–	0·4	7·1
Bristol ...	61	49	44	0·3	0·2	6·3
Portland Bill ...	56	52	*	–	–	*
Plymouth ...	60	52	51	–	0·1	1·8
The Lizard ...	59	51	*	–	1	0·5
Scilly (St. Mary's)	60	50	*	–	2	1·6
Guernsey ...						
Pembroke ...	56	52	*	–	–	8·3
Holyhead (Valley)	60	51	48	0·2	Tr	*
Chester (Sealand)	65	52	49	Tr	2	4·9
Manchester ...	62	48	45	1	4	*
Spurn Head ...	63	49	*	–	–	6·9
Catterick (Sc) ...	64	51	48	Tr	–	5·7
Tynemouth ...	62	49	50	6	2	*
St. Abbs Head	51	47	*	6	1	*
Leuchars ...	55	47	46	5	Tr	0·2
Bentrew (Abbots I.)	62	49	46	5	3	1·0
Eskdalemuir ...	60	47	47	5	0·2	2·9
Point of Ayre ...	65	52	*	0·3	0·4	4·8
Tiree	57	51	50	0·2	4	0·7
Stornoway ...	50	46	44	Tr	Tr	0·0
Dalwhinnie ...	51	43	43	3	1	0·0
Aberdeen † ...	52	45	43	Tr	0·1	0·0
Wick ...	48	40	35	0·5	–	*
Sumburgh ..	47	38	34	–	Tr	10·5
Blacksod Point	59	52	*	0·2	3	*
Malin Head ...	57	49		0·2	3	3·1
Aldergrove ...	62	51	51	3	1	2·1
Birr Castle ...	61	48	44	0·5	0·3	2·3
Valentia Obsy.	58	51	46	1	1	0·9
Roches Point	60	52		2	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th June: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th June: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02854	04526	7-	02844	05324	5-	02855	04325	57	01854	03124
115	52	02844	37527	52	02844	37527	57	02844	41527	57	02854	08426
203							5-	02947	08327	5-	21648	12328
206	5-	52634	06358	5-	21747	06358	6-	21758	04358	5-	02858	06228
210	5-	52615	05458	5-	02858	06328	5-	22758	08368	5-	02868	12328
219	51	02857	06568	51	03637	10468	52	52614	13268	52	02847	12368
230	57	02835	20227	57	02744	20267	5-	05648	00028	57	02957	08168
245	62	22646	07268	57	02746	06358	5-	02748	00068	5-	02878	04328
260	52	22634	00067	52	22546	00068	52	62658	08168	5-	08434	04228
276	86	25844	22387	87	25846	18187	57	02845	00088	52	22736	12158
279	86	25855	20486	87	81855	22387	5-	02748	21288	57	81645	21187
285	27	25744	24586									
288	8-	81847	24467	54	02854	24287	53	17554	21125	5-	47868	02148
575	62	64637	00068	77	58647	00068	62	64636	00068	67	02746	12128
301	23	01852	23462	87	02754	22316	5-	02768	21328	67	61743	28367
321	86	05654	24465	8-	02755	26225	50	05664	19224	57	61564	00017
299	5-	25645	22325	84	01744	22215	50	01754	24114	5-	02756	24116
292	26	02855	22485	26	01954	23215	4-	02875	22125	57	05665	00056
310												
614	8-	02766	26227	8-	02765	28325	5-	05655	24225	52	62555	26268

III	13h. G.M.T. 5th June: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th June: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
388	23	02854	20526	53	05665	20527	53	02645	21327	53	02853	25267
334	--	02645	26216									
340	8-	02954	47424	24	01854	47324	57	02864	16216	56	03664	22126
136	53	02754	20527	97	61836	22388	51	61664	20288	57	22664	22268
386	12	02754	24417	80	81648	24488						
350	87	25754	24297	46	02753	20286	57	05655	22317	53	05653	24227
368	22	05644	24488	23	05644	24415	54	05655	24215	23	05644	24327
379	87	02843	20587	57	02744	20485	50	01754	23314	53	05661	22427
390	27	05654	20327	13	01861	18425	07	08680	21315	27	05661	20426
382	27	02863	22486	17	02853	24325	5-	01864	23114			
438	57	02744	22528	57	02645	22528	5-	03548	22428			
430	22	02753	20328	57	05645	20328	07	02790	26126	29	05651	26127
409	5-	02735	21427	53	05624	22417	52	05646	22328	87	02865	19128

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 June, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	c	cy	c	
Croydon ...	c	cpro c	cbcc	
Greenwich ...	c	cro c	bcc	Kew 24 hours ended 7h Max. Time
Camden Square	c	c	*	<0·1 Wholly period
Kensington ...	bcpr	bc	*	Min. Time
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 % Today
Kew ...	65	52	47	–	–	2·7	*	*
Croydon ...	65	51	49	0·4	–	2·4	*	*
Greenwich ...	66	52	45	Tr	–	2·7	70	63
Westminster ...	66	53	51	–	–		48	71
Regents Park ...								
Camden Square	65	53	51	–	–	*	*	61
Kensington ...	67	52	49	Tr	–		50	71
Hampstead ...	65	50	47	–	–		*	73

SECRET

Page 1 BRITISH SECTION

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

Monday 7th June 1943

No. 29782

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·6	0	WNW	2	c-bc	64	45	43	8	8	5	4	4-6	7-8	2500
	Croydon	21·2	0	WNW	3	c-bc	64	55	48	8	2	6	1	7-8	7-8	3000
	S. Farnborough	21·5	+2	WNW	1	c-bc/pr	57	85	53	8	8	6	-	4-6	7-8	1800
	Boscombe Down	21·5	+2	WSW	4	bc	65	45	45	8	2	7	-	4-6	4-6	3000
	Thorney Island	21·8	+2	W'S	5	pr	61	75	52	8	3	6	3	4-6	7-8	2500
	Lympne	21·1	0	NW	2	c-bc/pr	61	65	50	8	2	6	3	2-3	7-8	2500
	Manston	20·3	-2	NW'W	3	c-bc	65	45	45	7	3	3	3	4-6	7-8	2500
2	Shoeburyness	20·4	0	SSW	3	c-bc/pr	64	65	51	6	2	7	-	4-6	7-8	4000
	Felixstowe	21·2	+12	NW'W	2	tlr	58	75	51	7	8	9	-	7-8	9+	1500
	Gorleston	19·0	+2	NNE	4	ir$_0$	58	75	51	7	8	-	-	9+	9+	1700
	Mildenhall	19·9	+2	WNW	3	pr	60	85	56	8	8	6	-	4-6	9+	2000
	Cranwell	19·7	0	NW'N	3	pr	62	75	53	7	8	7	-	7-8	9+	4000
3	Birmingham	21·1	+8	W	3	c/pr	58	75	50	8	8	7	-	9	9+	1500
	Upper Heyford	20·4	0	W'N	2	c	61	65	49	8	8	-	-	7-8	9	2500
4	Ross-on-Wye	21·2	+6	SW'W	2	c	58	85	52	8	8	-	-	9	9	3000
5	Hartland Point	22·1	+6	WSW	3	bc	57	92	54	7	2	-	-	4-6	4-6	1200
	Bristol	22·3	+8	W	4	bc	63	45	45	8	8	-	-	4-6	4-6	2500
	Portland Bill	23·2	+6	SW	4	c-bc	56	92	54	8	2	-	-	7-8	7-8	4000
	Plymouth	23·5	-2	SW	3	bc	58	92	56	8	2	4	-	4-6	4-6	2500
	The Lizard	23·0	+10	W	3	bc	60	92	57	8	2	-	-	4-6	4-6	3000
	Scilly (St. Mary's)	23·2	+10	WNW	2	bc	61	85	56	7	8	-	-	4-6	4-6	1200
	Guernsey															
6	Pembroke	22·7	+6	W'S	1	bc	58	92	56	7	2	4	-	4-6	4-6	2500
7	Holyhead (Valley)	21·4	+4	SW'W	3	b-bc	59	85	53	8	2	6	-	2-3	2-3	2000
	Chester (Sealand)	20·8	+6	NNW	2	c	59	75	50	8	8	3	-	9	9+	2500
8	Manchester	20·7	+6	NW	3	c	58	75	50	8	2	6	-	4-6	9+	2500
10	Spurn Head	20·3	+10	NNE	3	c-bc	56	85	52	6	7	7	-	4-6	7-8	1500
	Catterick (Sc)	20·2	+10	NE	2	m	58	85	52	4	5	3	-	7-8	9+	1500
	Tynemouth	22·0	+14	ENE	3	c	51	75	45	8	5	-	-	9+	9+	2200
11	St. Abbs Head	20·6	+6	E	1	c	50	85	45	8	5	4	-	7-8	9+	2800
	Leuchars	22·0	+10	E	2	c	54	65	42	9	5	-	-	9+	9+	2800
12	Renfrew (Abbots I.)	20·6	+8	ENE	2	z$_0$	56	85	50	6	5	7	-	7-8	9+	1000
	Eskdalemuir	20·5	+4	NE	3	c	54	85	50	7	5	-	-	10	10	1500
	Point of Ayre	20·3	+12	S'E	2	c	57	85	52	8	8	-	-	7-8	7-8	2000
13A	Tiree	19·4	+10	SE	4	c	55	85	52	8	5	-	-	9+	9+	2500
13B	Stornoway	19·4	+2	ESE	3	c	56	75	48	8	5	7	-	2-3	9+	3500
15	Dalwhinnie	20·5	+6	SSW	3	c-bc	55	65	45	7	5	-	-	7-8	7-8	1500
	Aberdeen	22·3	+8	ESE	2	c	50	65	47	9	5	-	-	9+	9+	4000
	Wick	22·1	+4	ENE	2	c	49	65	39	9	5	-	-	9	9	3000
16	Sumburgh	22·5	+6	NE	3	c	47	75	38	9	8	-	-	9	9	3000
17	Blacksod Point	18·8	+4	SSW	3	bc	59	75	51	8	8	-	5	2-3	4-6	1500
18	Malin Head	18·5	+10	E	1	pr	54	85	50	8	8	-	-	9+	9+	1500
	Aldergrove	19·0	+6	SW'W	2	bc	64	65	51	9	8	-	-	4-6	4-6	2500
19	Birr Castle	19·9	+6	SW	2	c	65	55	50	8	4	-	5	9	9	1500
20	Valentia Obsy.	20·3	+2	S'W	4	c	61	75	53	8	2	3	-	9+	9+	2500
	Roches Point	21·3	+8	SW	3	bc	59	92	57	8	3	-	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	22·4	+6	WNW	2	bc	65	45	45	8	8	3	-	4-6	4-6	2500	1	*
Croydon	22·6	+6	NW	2	bc	64	55	47	8	8	6	-	4-6	4-6	2000	0	*
S. Farnborough	22·2	+4	WNW	2	b-bc	64	55	47	8	2	7	-	1	2-3	2500	0	*
Boscombe Down	22·5	+6	NW'N	2	b-bc	64	55	46	8	8	6	-	2-3	2-3	5700	0	*
Thorney Island	22·7	+6	WSW	3	c-bc	61	65	49	8	8	-	-	7-8	7-8	4000	0	*
Lympne	22·4	+10	WSW	2	c-bc	59	75	52	7	4	8	-	2-3	7-8	3500	0	*
Manston	22·1	+14	N'E	1	c	59	65	49	7	4	3	-	4-6	9	5000	0	*
Shoeburyness	22·2	+14	N	3	rr	56	92	53	7	5	-	-	10	10	1500	1	*
Felixstowe	21·5	+10	W	2	bc/pr	60	75	52	8	5	3	9	2-3	4-6	4000	0	2
Gorleston	20·9	+8	NE	1	c-bc/r	57	85	52	6	8	-	*	4-6	7-8	2000	1	2
Mildenhall	21·9	+10	NW'N	1	c-bc	59	85	54	8	2	6	-	4-6	7-8	2500	1	*
Cranwell	21·6	+2	NW	1	z$_0$	57	85	53	6	8	3	-	7-8	9	2000	1	*
Birmingham	22·1	+6	NW	2	c	62	65	50	8	8	7	-	9	10	2500	1	*
Upper Heyford	22·0	+6	NW'N	2	bc	62	65	49	9	3	6	-	2-3	4-6	5700	0	*
Ross-on-Wye	22·0	+8	SW	2	c	63	65	50	9	5	-	-	9+	9+	3500	1	*
Hartland Point	23·3	+6	W	2	bc	59	85	54	7	1	-	-	4-6	4-6	1500	0	3
Bristol	22·8	+8	W	3	b-bc	63	65	49	8	4	-	1	2-3	2-3	4000	0	*
Portland Bill	23·8	+2	SW	3	b-bc	56	85	52	8	1	-	1	2-3	2-3	4000	1	4
Plymouth	23·8	+2	SW	2	c-bc	57	92	55	7	8	4	-	4-6	7-8	4500	0	2
The Lizard	23·8	+2	W	3	b-bc	58	85	54	8	1	-	-	2-3	2-3	3000	0	3
Scilly (St. Mary's)	24·1	+2	WSW	2	c-bc	59	85	53	8	8	6	-	4-6	7-8	1500	1	3
Guernsey																	
Pembroke	23·2	+2	WSW	1	b-bc	56	85	52	7	2	4	-	1	2-3	3000	0	2
Holyhead (Valley)	22·2	+2	WSW	2	b	57	85	52	8	2	-	-	Tr	Tr	3500	1	1
Chester (Sealand)	22·2	+2	—	0	bc	62	65	51	7	2	6	-	2-3	4-6	2500	0	*
Manchester	21·9	+6	WNW	3	bc	64	45	44	8	2	6	-	2-3	4-6	3000	1	*
Spurn Head	22·5	+8	ENE	3	z$_0$	55	85	49	6	7	9	-	4-6	4-6	2500	0	3
Catterick (Sc)	22·2	+10	NE	2	m	55	85	51	4	5	3	-	7-8	9+	1500	1	*
Tynemouth	22·8	+4	ENE	3	c-bc	52	85	46	8	5	-	-	7-8	7-8	2200	1	3
St. Abbs Head	22·3	+6	ESE	2	c	50	85	46	8	5	4	-	7-8	9	3500	0	2
Leuchars	22·9	+6	ESE	2	c	52	75	43	9	5	-	-	9+	9+	2500	0	*
Renfrew (Abbots I.)	21·1	+4	ENE	3	c/r	56	85	50	7	5	2	-	4-6	10	1800	1	*
Eskdalemuir	21·7	+6	SSE	2	c	54	85	50	7	5	3	-	9	9+	2500	1	*
Point of Ayre	21·5	+8	E'S	1	oc	57	85	51	8	8	-	-	4-6	4-6	2500	0	1
Tiree	19·8	-2	SSE	2	bc	56	92	53	8	-	3	-	0	4-6	-	0	2
Stornoway	19·3	-2	ESE	2	c-bc	57	75	49	8	5	3	-	2-3	7-8	2500	0	1
Dalwhinnie	21·0	+2	S	3	bc	54	75	46	7	5	-	-	4-6	4-6	1500	0	*
Aberdeen	22·8	+4	SE'E	2	c	49	65	39	8	5	-	-	9+	9+	4000	1	2
Wick	22·5	-2	E	2	c	47	65	35	9	5	-	-	9+	9+	2500	0	*
Sumburgh	23·5	+2	NE	3	c	46	75	36	9	5	-	-	9+	9+	3000	0	2
Blacksod Point	18·1	-4	S'W	5	bc	57	85	52	8	8	-	4	2-3	4-6	2500	1	4
Malin Head	18·9	-2	NE'E	1	bc	56	85	51	8	8	7	-	4-6	4-6	1500	1	2
Aldergrove	20·2	+6	SW	1	c/r	60	85	55	9	8	-	-	4-6	9	1200	1	*
Birr Castle	19·9	-2	SSE	2	c	64	65	51	8	8	1	-	7-8	9+	1500	1	*
Valentia Obsy.	20·2	-4	S	4	id$_0$	58	85	53	8	5	-	-	10	10	1500	1	3
Roches Point	21·8	+2	SW	3	bc	58	92	56	8	2	-	5	1	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 6th (39)	Weather 13h.—18h. 6th (40)	Weather 18h. 6th to 1h. 7th (41)	Weather 1h.—7h. 7th (42)
London (Kew)	cprcbcy	bcy	bcybc	bcbm$_0$w
Croydon	ccy	cpr$_0$cy	cybcb	bm$_0$bfgwm$_0$
S. Farnborough	cpr$_0$prc	cbcc	bccpr$_0$bm$_0$	bm$_0$wfgb
Boscombe Down	cpr$_0$bcy	bcyby	byb	bbc
Thorney Island	cpr$_0$	cpr$_0$bcc	c	bfgw
Lympne	ccpr$_0$z$_0$	pr$_0$tlr$_0$c	cpr$_0$bm$_0$	bm$_0$w
Manston	cz$_0$bccy	cypr$_0$cyc	pr$_0$bcm$_0$	bm$_0$mfgm$_0$
Shoeburyness	cm$_0$ccypr	cz$_0$crr	crrc	cFe
Felixstowe	cctlrprm$_0$c	cpr$_0$bc	bcbmw	bmwcm$_0$
Gorleston	cid$_0$id$_0$r$_0$b	circz$_0$	c	bc
Mildenhall	cpr$_0$	cpr$_0$bc	cbm$_0$bF	bFwmm$_0$
Cranwell	cpr$_0$	cpr$_0$tlrc	ccm$_0$bm	bm$_0$fcm$_0$w
Birmingham	cbcc	cbc	bc	bc
Upper Heyford	ccpr$_0$c	cpr$_0$cbc	bcpr$_0$bm$_0$	bfgm$_0$w
Ross-on-Wye	bccp$_0$P	cPcbc	bcb	bm$_0$bbc
Hartland Point	cbc	bc	bc	bcc
Bristol	ccbc	bcycybc	bcbbwbm$_0$w	bm$_0$wbcm$_0$w
Portland Bill	c	bc	bcbc	bcc
Plymouth	cbc	cbcbcc	bcb	bbccm$_0$
The Lizard	cbc	cbc	bc	bccir
Scilly (St. Mary's)	cbc	cbc	c	cwr$_0$r$_0$
Guernsey				
Pembroke	bcz$_0$	bcz$_0$	bcc	c
Holyhead (Valley)	cbc	b	bcc	cbcc
Chester (Sealand)	cr$_0$r$_0$c	cbcy	bcm$_0$b	bm$_0$fFm
Manchester	rrcm$_0$	cbc	bcbym$_0$	bm$_0$bw
Spurn Head	c	bcz$_0$	bc	bc
Catterick (Sc)	cfir$_0$id$_0$	cid$_0$m	cmid$_0$	cm$_0$
Tynemouth	pir$_0$c	c	c	bcm$_0$
St. Abbs Head	c	bcc	c	cbcm$_0$
Leuchars	c	cbcc	ccd$_0$d$_0$	cd$_0$bcm$_0$c
Renfrew (Abbots I.)	cir$_0$m$_0$ir$_0$m	cm$_0$cir$_0$c	ccm$_0$	cm$_0$cm
Eskdalemuir	r$_0$r$_0$m$_0$c	mrrc	cm$_0$	cm$_0$c
Point of Ayre	r$_0$r$_0$c	cbbc	bcbw	bcc
Tiree	c	cbbc	cbcm$_0$	
Stornoway	c	c	bcc	cbc
Dalwhinnie	bc	cbc		cpr$_0$
Aberdeen	c	c	cbcc	cbcwc
Wick	c	c	cbcb	bbc
Sumburgh	bcpr$_0$c	c	c	bc
Blacksod Point	d	bc	pr	[illegible]
Malin Head	pr	c	bc	[illegible]
Aldergrove	cbc	bccr$_0$r$_0$	cbcb	bccir$_0$
Birr Castle	c	c		[illegible]
Valentia Obsy.	pr	d	[illegible]	[illegible]
Roches Point	bc	bc	[illegible]	[illegible]

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light or moderate southerly winds, fair today; local rain tomorrow; warm
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate or fresh southerly winds; rain in west spreading east across area, followed by local drizzle; much hill fog and local coast fog; moggy.
10 N.E. England; 11 S.E. Scotland	Moderate southerly winds; fair at first; rain and hill fog later; rather warm.
12 S.W. Scotland & Isle of Man; 13A W. Scotland	As 4-9
13B N.W. Scotland; 14 Mid Scotland	Strong southerly winds, moderating cloudy with much hill fog, local coast fog, and rain at times; moggy.
15 N.E. Scotland	Moderate southerly winds freshening; fair at first; appreciable
16 Orkneys and Shetlands	rain and hill fog later; cool.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh southerly winds; cloudy, with occasional rain or drizzle; much hill fog and local coast fog; moggy.

GENERAL INFERENCE

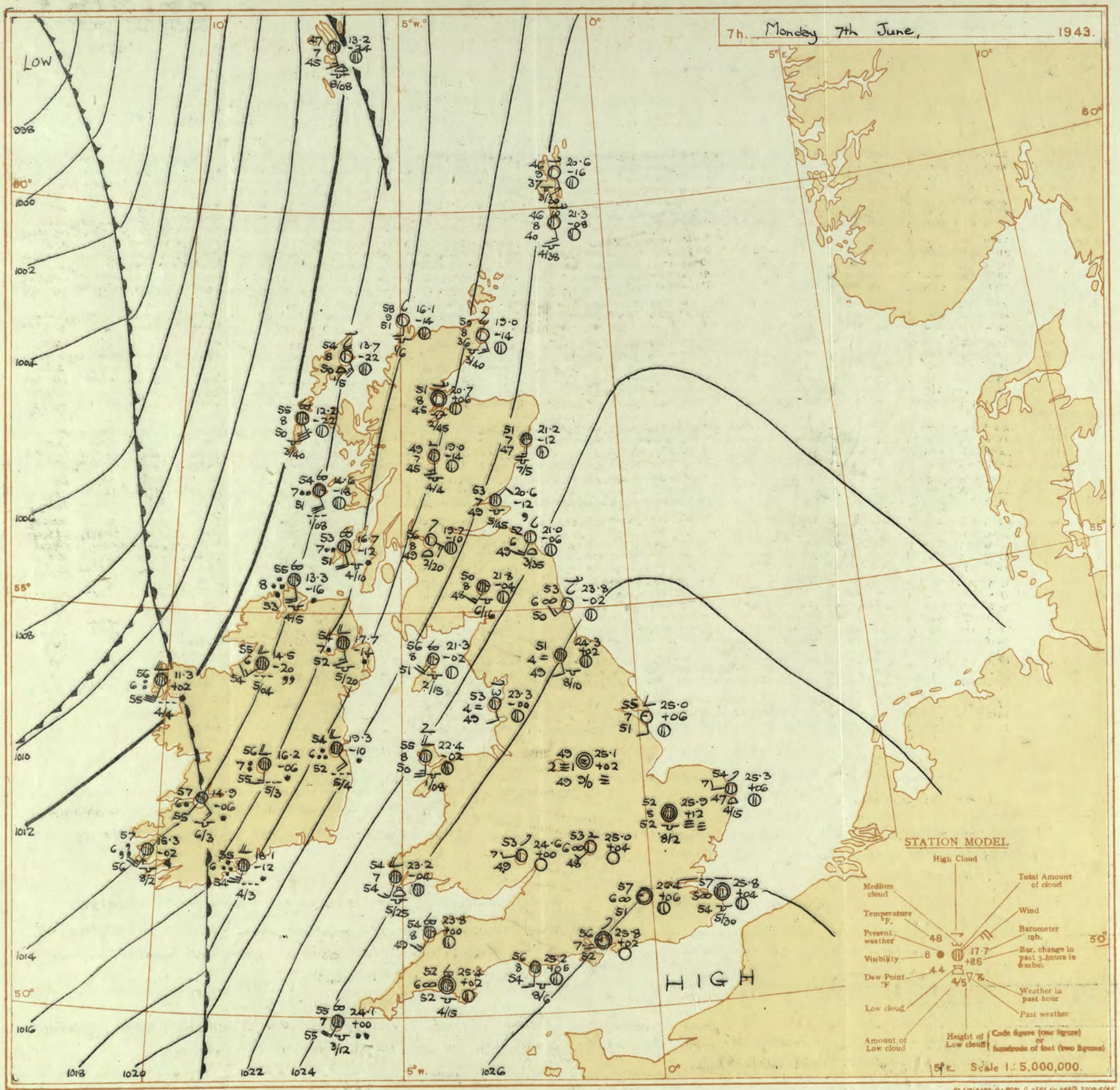
A depression near Iceland is moving northeast and an associated trough of slow pressure will move east across the British Isles. There will be appreciable rain and low cloud in western and northern districts and occasional rain elsewhere.

FURTHER OUTLOOK

Cloudy in western and northern districts, with rain at times, some coast fog; fair and rather warm in the Southeast.

Forecasts issued at 1030.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

MONDAY 7th June 1943

No 29782

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

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	25·1	+2	-	0	Zo	51	85	48	6	·	-	-	0	0	-
	S. Farnborough	226	25·1	+6	W	1	Zo	48	92	46	6	-	-	·	0	0	·
	Boscombe Down	417	25·0	+2	-	0	b	48	85	44	7	·	-	·	0	0	·
	Thorney Island	10	24·6	-2	-	0	b	48	97	47	7	·	-	·	0	0	·
	Lympne	283	24·6	+2	NW'W	2	Zo	48	97	48	5	-	-	-	0	0	·
	Manston	154	25·0	+6	W'N	1	Zo	50	92	48	6	-	·	1	0	1	·
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·1	+6	N	1	m	52	97	52	4	-	·	·	0	0	·
	Gorleston	5	24·1	+10	NNW	1	c-bc	54	85	49	7	8	-	-	7-8	7-8	1500
	Mildenhall	15	24·4	+6	-	0	bF	51	97	51	1	-	-	-	0	0	·
	Cranwell	203	24·4	+4	E	1	m	50	97	50	4	5	·	-	1	1	700
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·6	+10	SW	1	b	51	92	49	7	-	4	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·2	-4	S	2	b-bc	51	97	51	7	1	4	-	1	2·3	2500
	Bristol	209	25·5	+4	-	0	Zo	46	85	42	6	-	-	·	0	0	-
	Portland Bill	32	25·0	+10	W	2	bc	54	92	52	8	2	-	-	4-6	4-6	4000
	Plymouth	82	25·4	+2	-	0	Zo	49	97	49	6	4	-	1	1	4-6	4000
	The Lizard	240	24·8	+4	W	3	bc	52	97	52	7	5	-	·	4-6	4-6	2500
	Scilly (St. Mary's)	163	25·1	0	SW'S	3	c	55	97	54	7	5	·	·	10	10	1200
	Guernsey	175															
6	Pembroke	142	24·9	0	SSW	2	c-bc	54	92	52	8	8	6	·	4-6	7-8	2500
7	Holyhead (Valley)	32	23·2	-4	SSE	3	c-bc	53	92	51	7	5	-	·	7-8	7-8	700
	Chester (Sealand)	16	23·9	+2	-	0	b	47	97	46	6	5	-	-	Tr	Tr	3500
8	Manchester	235	24·8	+6	SE	2	Zo	50	85	45	6	-	3	·	0	Tr	-
10	Spurn Head	29	24·4	+2	SSE	2	bc	52	75	46	7	7	3	-	4-6	4-6	1500
	Catterick (Sc)	192	24·1	0	SSE	2	m	51	92	50	4	5	2	·	9+	10	900
	Tynemouth	108	23·9	0	SSE	3	c	51	85	47	7	5	-	·	9+	9+	2500
11	St. Abbs Head	280	22·3	-6	S	2	c	48	97	48	7	5	-	-	10	10	2500
	Leuchars	36	22·8	-2	-	0	dodo	49	92	45	7	5	-	-	10	10	2000
12	Renfrew (Abbots I.)	19	21·8	-6	ENE	1	Zo	50	92	48	5	5	-	·	10	10	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	21·1	0	-	0	D	48	92	46	8	4	-	·	Tr	Tr	3000
13A	Tiree	44	18·4	-14	SE'E	5	Zo	53	92	51	6	-	4	-	0	1	-
13B	Stornoway	15	18·2	-10	SSE	1	c	52	92	50	7	5	-	·	9+	9+	2200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22·9	-6	S	1	b	44	92	42	9	5	-	·	1	1	2500
	Wick	114	21·9	-8	SSE	4	b-bc	45	75	36	9	5	-	-	2-3	2-3	4000
16	Sumburgh	19	23·1	-6	S	2	bc	43	85	36	9	5	-	·	4-6	4-6	3000
17	Blacksod Point	18	14·0	-30	S	7	pr	58	85	54	8	9	-	·	9	9	1500
18	Malin Head	84	17·9	-6	ESE	2	bc	55	85	51	8	5	-	-	4-6	4-6	2500
	Aldergrove	268	20·1	-6	SSE	2	b	53	85	48	8		-	·	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·6	-20	S	6	iR	56	97	56	6	6	·	-	10	10	800
	Roches Point	22	21·3	-8	SW'S	4	iro	55	97	55	7	6	2	-	4-6	9+	1500

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

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)	26·0	+10	-	0	Zo	57	85	51	6	5	-	-	Tr	Tr	4000	1	*
	Croydon	26·4	+6	-	0	Zo	57	75	51	6	-	-	4	0	Tr	·	1	*
	S. Farnborough	26·0	+6	-	0	b	53	85	49	7	-	4	4	0	Tr	-	1	*
	Boscombe Down	25·7	+6	-	0	c-bc	54	75	45	7	-	·	4	0	7-8	·	0	*
	Thorney Island	25·8	+2	-	0	bfg	56	85	52	7	-	-	4	0	1	·	0	*
	Lympne	26·4	+4	W'N	1	Zo	56	92	54	6	·	-	·	0	0	-	1	§1
	Manston	25·8	+4	-	0	Zo	57	92	54	5	5	-	·	7-8	7-8	3000	1	*
2	Shoeburyness	25·6	+16	-	0	of-	51	97	51	2	-	-	·	10	10	<150	1	*
	Felixstowe	25·9	+12	NNE	1	b-bc	55	92	53	7	5	-	-	2-3	2-3	4000	0	1
	Gorleston	25·3	+6	W'S	2	bc	54	85	47	7	1	-	1	4-6	4-6	1500	0	2
	Mildenhall	25·9	+12	-	0	c/f	52	97	52	5	5	-	-	10	10	450	1	*
	Cranwell	25·0	+6	SSW	2	Zo	51	97	50	5	5	2	-	9	9	500	1	*
3	Birmingham	24·3	+2	SSW	1	Zo	56	65	45	6	-	-	1	0	2-3	-	1	*
	Upper Heyford	25·0	+4	SW'S	1	Zo	53	85	48	6	-	-	5	0	2-3	-	0	*
4	Ross-on-Wye	24·6	0	W'S	1	bc	53	85	52	7	-	-	4	0	4-6	-	1	*
5	Hartland Point	23·8	0	SSW	3	c	54	85	49	8	·	7	-	0	9	-	0	5
	Bristol	25·3	-2	-	0	c-bc	56	85	52	7	-	-	6	0	7-8	-	0	*
	Portland Bill	25·2	+6	S	3	c	56	92	54	8	5	-	·	10	10	4000	1	3
	Plymouth	25·4	+2	-	0	Zo	52	97	52	6	5	7	-	4-6	9+	1500	0	1
	The Lizard	24·9	+4	S	3	ir	55	97	55	6	5	-	-	10	10	1500	1	4
	Scilly (St. Mary's)	24·1	0	SSW	4	c/r	55	97	55	7	5	7	-	2-3	10	1200	1	3
	Guernsey																	
6	Pembroke	23·2	-4	S'W	3	c	54	97	54	7	8	2	-	7-8	10	2500	0	3
7	Holyhead (Valley)	22·4	-2	S	5	c-bc	55	85	50	8	5	2	6	Tr	7-8	800	1	3
	Chester (Sealand)	23·4	-2	S'E	2	Zo	50	85	45	6	-	·	5	0	4-6	-	0	*
8	Manchester	23·7	-2	S'E	2	Zo	55	65	45	6	-	3	-	0	2-3	-	0	*
10	Spurn Head	25·0	+6	S'E	2	b	55	85	57	7	-	1	--	0	Tr	-	0	3
	Catterick (Sc)	24·3	+2	SSE	2	m	51	92	49	4	5	-	-	10	10	1000	1	*
	Tynemouth	23·8	-2	SW	3	Zo	53	85	50	6	-	4	2	0	2-3	-	1	3
11	St. Abbs Head	21·0	-6	SSW	3	bc	52	85	49	6	1	4	-	2-3	4-6	3500	0	3
	Leuchars	20·6	-12	NE	2	c-bc	53	85	49	7	5	-	-	7-8	7-8	4500	0	*
12	Renfrew (Abbots I.)	19·7	-10	ESE	3	b-bc	56	75	49	8	1	·	4	1	2-3	2000	1	*
	Eskdalemuir	21·8	-4	SSW	3	c	50	92	48	8	5	-	-	9	9	1600	1	*
	Point of Ayre	21·3	-2	SSW	4	c	56	85	51	8	5	7	-	1	9	1500	0	3
13A	Tiree																	
13B	Stornoway	13·7	-22	SE	5	b-bc	54	85	50	8	1	9	1	Tr	2-3	2500	0	3
15	Dalwhinnie	19·0	-14	S	3	bc	49	85	45	7	6	-	5	4-6	4-6	1500	0	*
	Aberdeen †	21·2	-12	S	3	c	51	85	47	7	5	·	-	9+	9+	2500	0	2
	Wick	19·0	-14	SSE	3	b-bc	50	65	36	8	5	-	9	2-3	2-3	4000	0	*
16	Sumburgh	21·3	-8	S'E	3	bc	46	85	40	8	5	3	2	4-6	4-6	3800	0	2
17	Blacksod Point	11·3	+2	S'W	7	ir	56	97	55	6	6	2	-	4-6	10	1500	2	6
18	Malin Head	13·3	-16	SSE	4	RR	55	92	53	8	5	7	-	4-6	9+	2500	1	2
	Aldergrove	17·7	-14	SSE	3	iro	54	92	52	7	5	2	-	7-8	10	2000	1	*
19	Birr Castle	16·2	-6	S	3	ir	56	97	55	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	15·3	-2	S'W	5	dd	57	97	56	6	5	-	-	10	10	450	1	4
	Roches Point	18·1	-12	S'W	5	RR	55	97	54	6	6	2	-	4-6	10	800	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 6th Hrs. (38)
1	London (Kew)	65	47	35	0·1	Tr	4·2
	Croydon	66	46	40	Tr	Tr	7·4
	S. Farnborough	66	43	32	1	0·1	7·5
	Boscombe Down	66	43	38	Tr	-	5·9
	Thorney Island	65	45	39	0·5	-	*
	Lympne	64	45	37	0·2	1	4·6
	Manston	67	48	39	Tr	Tr	5·9
2	Shoeburyness	67	45	42	1	·1	4·4
	Felixstowe	64	49	46	3	-	3·8
	Gorleston	61	51	49	4	-	1·0
	Mildenhall	63	48	45	3	0·1	2·0
	Cranwell	64	46	41	7	Tr	1·6
3	Birmingham	63	48	32	Tr	-	2·6
	Upper Heyford	65	47	35	-	-	*
4	Ross-on-Wye	64	43	43	1	-	4·1
5	Hartland Point	60	49	47	-	-	10·8
	Bristol	66	42	33	-	-	9·6
	Portland Bill	56	52	*	-	-	*
	Plymouth	59	47	37	0·3	-	6·1
	The Lizard	61	50	*	1	0·5	10·2
	Scilly (St. Mary's)	61	53	*	Tr	1	11·2
	Guernsey						
6	Pembroke	59	52	*	-	-	12·8
7	Holyhead (Valley)	60	52	49	-	-	*
	Chester (Sealand)	63	42	35	-	-	5·7
8	Manchester	64	44	36	Tr	-	*
10	Spurn Head	60	50	*	-	*	6·8
	Catterick (Sc)	59	50	50	0·1	Tr	0·2
	Tynemouth	54	50	48	1	-	*
11	St. Abbs Head	54	47	*	-	-	*
	Leuchars	54	48	44	Tr	Tr	0·4
12	Renfrew (Abbots I.)	60	49	43	0·5	-	0·9
	Eskdalemuir	57	43	40	1	Tr	0·0
	Point of Ayre	64	47	*	0·5	-	7·4
13A	Tiree	57			-		
13B	Stornoway	57	50	47	-	-	1·7
15	Dalwhinnie	58	45	43	-	Tr	6·8
	Aberdeen †	51	46	41	-	-	1·6
	Wick	49	45	41	-	-	*
16	Sumburgh	48	42	32	Tr	-	4·2
17	Blacksod Point	60	55	*	0·2	7	*
18	Malin Head	60	51		0·2	3	3·8
	Aldergrove	66	49	46	2	0·4	3·4
19	Birr Castle	67	53	50	-	5	3·9
20	Valentia Obsy.	63	56	55	Tr	28	5·0
	Roches Point	61	54		-	10	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th June ... 18h. G.M.T. — 01h. G.M.T. 7th June ... 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	7-	02855	07225	7-	02854	09325	04	01890	14313	1-	01743	15414
115	54	02954	08524	53	02954	08424	54	02954	12325	54	01961	16224
203	8-	03948	32128	5-	02936	12226				73	08953	16414
206	5-	02865	08325	50	01862	08422	50	01861	00011	40	02862	00013
210	53	02863	08326	10	01961	08411	04	01890	10101	53	01842	15214
219	5-	02846	12458	84	02957	17427	5-	05654	14514	57	02863	47617
230	57	02965	08127	26	01864	00014	5-	05657	16127	17	05753	10325
245	5-	02867	10327	5-	02766	14226	57	02854	17117	54	01761	07263
260	52	05545	06328	57	05656	07228	51	05653	04126	56	01752	06143
278	8-	02856	20126	20	01852	16213	53	01863	13313	5-	02833	44428
279	26	02854	22285	96	01854	23214	50	05654	17114	26	01853	1213
285										13	41442	12443
288	52	05645	06228	53	02763	02227	5-	05658	00028	10	05663	18214
575	7-	02856	25126	80	01964	20316	5-	01862	20224	62	21625	20358
301	23	01854	25365	20	01861	26201	00	05690	00000	03	08490	14214
321	96	02755	26266	87	02755	00097	5-	05545	12115	--	46609	16159
299	54	05644	06225	5-	02746	06226	5-	02755	00015	50	01755	22115
292	36	25755	04396	26	02755	03288	5-	02834	00068	5-	05538	12128
310										--	01633	24313
614	27	05664	30126	8-	05665	06215				--	46109	10149

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
338	20	01854	19324	16	01861	17322				53	05645	15427
334										--	01662	26203
340	7-	02847	30127	43	01952	32115				04	01690	16314
136	23	05665	25267	23	05622	04224	00	05690	00010	--	44209	16249
336										53	01753	24315
350	33	01754	26384	86	06187	22457				04	05690	20102
368	24	01853	22313	24	01853	24403	00	00690	00000	50	04534	08117
379	37	81755	26386				00	00890	00010	00	01890	22203
390	26	25753	28386	62	61544	30368	00	08490	00060	00	08490	00040
382	87	02855	·····	87	25864	28284	00	00790	00000	00	05690	26102
438	87	01744	24584	83	01753	23414	00	00790	22200	00	04190	28200
430	23	05643	21325	23	25854	21385	00	00790	00000	00	00790	00001
409	5-	02735	24326	2-	02855	27225	07	05690	18115	57	61626	17348

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 7th June
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	aprcbcy	bcy	bcymow
Croydon	ccy	eprocy	cyb fm
Greenwich	cBcy	bccy	poCDw
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bcH	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0·1 6-7hrs. Min. Time 7hrs <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	65	47	35	0·1	Tr	5·2	*	*
Croydon	66	46	40	Tr	Tr	7·4	*	*
Greenwich	69	45	33	-	Tr	6·6	53	56
Westminster	68	50	45	·	-	*	89	59
Regents Park	*	48	37	-	-	*	53	57
Camden Square	68	50	43	·	·	*	*	61
Kensington	68	48	37	-	-	*	55	57
Hampstead	67	50	39	-	-	4·8	*	68

SECRET.

Page 1 BRITISH SECTION

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

Tuesday 8th June 1943

No. 29,783.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24·2	-8	SW'W	3	o	65	55	48	8	8	-	6	4-6	9+	2500
	Croydon	24·7	-10	SW	2	c	67	55	51	8	2	-	5	4-6	9+	2500
	S. Farnborough	24·7	-6	W'S	4	c	67	55	48	8	1	7	6	2-3	9	3500
	Boscombe Down	24·5	-8	SW'S	3	c	65	55	46	8	1	7	6	1	9+	3500
	Thorney Island	25·4	-8	SSE	4	c-bc	62	75	53	9	1	7	6	Tr	7-8	2500
	Lympne	25·6	-8	SSE	3	c-bc	60	85	56	8	2	-	6	7-8	7-8	1500
	Manston	24·9	-12	SSW	3	bc	66	65	52	7	2	-	-	4-6	4-6	2500
2	Shoeburyness	24·8	-16	E'S	2	bc	62	85	57	6	1	-	-	4-6	4-6	4000
	Felixstowe	25·3	-6	S'E	3	z₀	62	85	56	6	-	-	8	0	4-6	-
	Gorleston	24·7	-6	SSE	3	bc	57	85	53	7	2	5	-	4-6	4-6	2000
	Mildenhall	23·5	-16	SW'S	2	c	68	65	54	8	2	-	6	4-6	9	2500
	Cranwell	22·4	-18	SSW	4	c-bc	68	45	46	8	2	-	8	4-6	7-8	2000
3	Birmingham	22·9	-8	SSW	3	ir₀	62	92	60	8	5	2	-	4-6	10	1500
	Upper Heyford	23·4	-10	SW	3	c	67	45	46	8	1	7	6	2-3	9+	2500
4	Ross-on-Wye	23·7	-6	SW	3	r₀r₀	58	75	51	7	-	2	-	10	10	3000
5	Hartland Point	22·8	-8	SSW	3	c	58	85	51	8	4	7	-	2-3	9+	2000
	Bristol	24·7	-2	SSW	3	r₀r₀	59	85	53	8	5	2	-	2-3	10	2500
	Portland Bill	25·6	-6	SSW	3	o	56	92	54	7	5	-	-	10	10	2500
	Plymouth	25·4	-4	SSW	2	c	59	92	57	7	5	3	-	4-6	9	1000
	The Lizard	25·0	0	S	3	c/r	56	97	56	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	22·7	-10	SSW	5	c	58	92	55	7	5	-	-	9+	9+	1000
	Guernsey															
6	Pembroke	22·2	-10	S	5	r₀r₀	54	97	54	6	5	-	-	10	10	2000
7	Holyhead (Valley)	20·0	-14	S	6	ir	55	97	54	6	6	1	-	4-6	10	600
	Chester (Sealand)	21·8	-4	S'E	3	rr	57	85	51	5	5	2	-	4-6	10	1500
8	Manchester	21·9	-8	S'W	5	c	64	55	46	8	5	7	-	7-8	10	2500
10	Spurn Head	23·0	-18	SE'S	4	c-bc	62	75	56	7	7	-	-	7-8	7-8	1500
	Catterick (Sc)	21·9	-12	SSE	2	z₀	63	75	54	6	5	7	-	4-6	7-8	2000
	Tynemouth	21·1	-12	SSW	3	z₀	58	75	50	6	2	3	-	4-6	7-8	2200
11	St. Abbs Head	18·5	-8	SSW	3	c-bc	63	65	55	8	4	6	-	4-6	7-8	3500
	Leuchars	18·1	-18	SE	1	c	61	65	49	7	5	7	-	4-6	10	2000
12	Renfrew (Abbots I.)	17·2	-12	SSE	3	r₀r₀	55	85	52	6	5	2	-	4-6	10	600
	Eskdalemuir	19·4	-14	SSW	5	pr	55	65	44	8	-	7	-	0	10	-
	Point of Ayre	19·3	-4	SSW	5	rr	54	97	53	7	6	2	-	4-6	10	600
13A	Tiree	12·0	-10	SSE	5	c/d	53	97	53	6	5	7	-	9	10	400
13B	Stornoway	09·9	-16	SSE	6	r₀r₀	55	92	53	5	5	2	-	9	10	1800
15	Dalwhinnie	15·0	-8	S	4	z₀	55	75	48	7	5	7	-	7-8	9+	1500
	Aberdeen	18·0	-14	S	4	z₀	59	65	48	6	-	7	6	4-6	4-6	4000
	Wick	15·2	-14	SE	4	bc	57	75	50	8	-	9	-	0	4-6	-
16	Sumburgh	18·3	-14	SSE	5	c	50	85	46	8	5	2	-	7-8	10	1200
17	Blacksod Point	11·4	0	SW	5	c	59	85	55	7	6	-	-	9+	9+	1500
18	Malin Head	11·5	-4	S	5	c	60	85	56	8	5	2	-	4-6	10	2500
	Aldergrove	14·9	-14	S'W	3	d₀d₀	57	85	55	5	6	2	-	4-6	10	800
19	Birr Castle	14·4	-10	SSW	2	c	63	85	59	7	6	2	-	7-8	10	800
20	Valentia Obsy.	15·5	+4	SW'S	4	c/d	60	92	58	7	5	-	1	9	9+	1500
	Roches Point	17·4	-4	S	4	dd	56	97	55	6	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 7th June — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 7th (39)	Weather 13h.—18h. 7th (40)	Weather 18h 7th to 1h. 8th (41)	Weather 1h.–7h. 8th (42)
London (Kew)	24·0	+4	SW	2	ir₀	58	85	52	7	5	2	-	4-6	9+	2500	1	*	bm₀bccy	cirr₀ir₀	cir₀r₀rr₀	r₀cr₀cm₀
Croydon	24·5	+2	S	2	r₀r₀	58	85	53	7	5	2	-	2-3	10	2000	1	*	bcycy	cycr₀r₀	cr₀r₀crr	rrid₀c
S. Farnborough	23·9	-6	SW'W	3	r₀r₀r₀	59	75	50	8	5	2	-	2-3	10	3500	1	*	bbccy	cycr₀r₀	cr₀ir₀crr₀	cr₀ir₀m₀
Boscombe Down	23·5	-10	SSW	2	ir₀	57	75	49	8	-	7	-	0	10	-	0	*	bccy	cycr₀cir₀	cir₀crr₀d₀d₀	d₀m₀c
Thorney Island	24·1	-10	S'W	2	ir₀	58	75	51	9	-	2	-	0	10	-	1	*	cf	ccir₀	cir₀ccr₀m₀	cr₀r₀cid₀
Lympne	24·3	-2	SSW	2	c	60	75	53	8	-	7	-	0	9+	-	0	R	bm₀bcc	c	cir₀crr	cr₀m₀d₀d₀
Manston	23·9	-10	SSW	3	c	62	65	48	7	-	2	7	0	10	-	0	*	cbcm₀bc	bccyc	cir₀r₀z₀	cr₀r₀cid₀
Shoeburyness	23·8	-10	SW	3	c	64	65	51	8	5	-	-	9	9	2500	0	*	cFecbc	bcm₀c		crr
Felixstowe	23·1	-14	SW'S	3	c	63	85	57	7	5	2	-	4-6	10	5700	0	2	bbcm₀	cm₀c	cireccir₀m₀	cirm₀c
Gorleston	22·8	-4	S'W	4	c	58	85	52	7	5	7	-	4-6	10	2500	0	4	bc	c	or₀r₀	or₀r₀
Mildenhall	22·0	-6	SW'W	3	c	65	65	54	8	5	2	-	2-3	10	4000	0	*	bm₀bcc	ccy	cir₀m₀	cd₀d₀m₀
Cranwell	21·7	0	W'S	3	rr	57	92	55	6	4	2	-	1	10	2000	1	*	bcm₀cy	cycrr	crir₀r₀r₀m₀	cir₀cm₀
Birmingham	21·7	-10	S	4	rr	54	97	53	6	6	2	-	9	10	800	1	*	b,c	corr		orr₀
Upper Heyford	23·1	0	S'W	1	ir₀	57	85	52	6	-	2	-	0	10	-	1	*	bcycy	cr₀r₀	cr₀r₀d₀d₀m₀	d₀d₀r₀r₀m₀
Ross-on-Wye	21·7	-20	SSW	2	ir₀	56	85	51	7	6	2	-	2-3	10	2500	1	*	bccr₀	cr₀r₀	rcrc	c
Hartland Point	19·6	-16	SW	4	rr	57	97	57	6	6	2	-	7-8	10	800	1	4	circ	irrrc	rrdfdf	dfdfrd
Bristol	23·4	-2	S	3	id₀	56	85	50	7	-	2	-	10	10	5700	1	*	ccr₀r₀	ccr₀cd	cdr₀crr₀bc	cd₀d₀m₀
Portland Bill	23·4	-12	S	2	o	56	85	53	7	5	-	-	10	10	2500	1	3	o	o	orr	off
Plymouth	23·9	-4	SSW	3	c	57	92	55	7	3	7	-	7-8	10	1000	0	1	ir₀c	c	or₀r₀d₀f	od₀d₀f
The Lizard	22·8	-10	SSW	4	r₀r₀	56	97	56	8	5	-	-	10	10	1500	1	4	beirp	cr₀r₀	rfdf	ddf
Scilly (St. Mary's)	21·3	-10	SW'S	5	ir	56	97	56	6	5	-	-	10	10	800	1	4	cir₀c	cir	irdfcff	FFe
Guernsey																					
Pembroke	18·9	-12	SW	4	RR	55	97	55	6	5	-	-	10	10	2000	1	4	cr₀r₀m₀	crrm₀	FFF	Fed₀d₀
Holyhead (Valley)	17·6	-10	S	6	id₀	56	92	55	8	5	-	-	10	10	1000	1	4	cirr₀r₀m₀	cd₀d₀crr	cid₀f	off₀c
Chester (Sealand)	18·6	-20	S'E	3	rr	56	85	54	5	5	2	-	4-6	10	1200	1	*	cz₀z₀r₀r₀	cirrm₀	cm₀	cm₀bc
Manchester	19·5	-20	S'E	4	ir₀	55	92	54	6	6	2	-	4-6	10	800	1	*	bcz₀wy	rr₀r₀m₀	r₀r₀d₀d₀m₀	cid₀m₀
Spurn Head	21·3	-6	WSW	4	c	64	55	48	7	7	7	-	4-6	9+	1500	0	3	c	c	cr₀r₀	c
Catterick (Sc)	19·0	-6	S	4	rr	56	97	55	5	5	7	-	7-8	9+	1800	1	*	bcm₀cm	circrr	cm₀ir₀	cm₀cm₀
Tynemouth	18·0	-12	SSW	4	z₀	63	65	50	6	8	-	-	9+	9+	2200	1	4	bccm₀	cm₀	cir₀m₀	cm₀
St. Abbs Head	16·1	-12	S	4	c	59	85	53	7	5	7	-	7-8	10	300-	0	3	bcm₀c	ccrrc	cr₀m₀c	c
Leuchars	15·3	-18	SSE	3	c	58	85	52	6	5	2	-	7-8	10	1500	0	*	cbc	ccir₀c	crr₀m₀c	c
Renfrew (Abbots I.)	13·9	-18	SSE	3	c	58	85	53	8	5	2	-	7-8	10	1000	1	*	bccm₀r₀r₀	cmr₀r₀d₀d₀	cid₀cm₀	cm₀ir₀c
Eskdalemuir	16·1	-20	SSW	5	r₀r₀	54	92	52	5	-	2	-	10	10	400	1	*	cpr₀c	cir₀om	or₀r₀m	or₀r₀f
Point of Ayre	15·6	-14	SSW	4	c/d	56	97	55	7	6	2	-	9	10	800	1	4	crr	crdd	cidc	c
Tiree	11·2	0	SSW	3	c	57	92	55	8	5	-	-	4-6	10	1000	1	5	crd₀cm₀	c	cid₀bc	c
Stornoway	09·0	-2	S	6	d₀d₀	54	97	53	6	5	2	-	9+	10	300	0	4	bccrrdrdr	cr₀d₀d₀m₀	cd₀d₀m₀c	cd₀d₀id₀c
Dalwhinnie	13·0	-10	S	4	c	55	85	49	7	5	7	-	9	9+	1500	0	*	co	id₀c		cir₀
Aberdeen	15·3	-16	S	4	z₀	55	97	53	6	-	7	-	0	9+	-	0	2	cbcbbc	bcz₀cz₀	cz₀idc	cdcdw
Wick	12·9	-14	SSE	5	c	56	85	50	7	-	7	-	0	9	-	0	*	bc	bcc	cb cc	bcc
Sumburgh	14·1	-18	SSE	4	c-bc	51	92	48	7	5	-	5	4-6	7-8	400	0	3	bcc	cbc	cm₀d₀d₀m₀	cd₀d₀m₀
Blacksod Point	11·7	0	SWS	5	Dr	56	92	54	6	-	2	-	10	10	1500	1	4	d	r	d	d
Malin Head	11·3	+4	WSW	3	ir	58	85	54	8	5	2	-	2-3	9+	1500	1	2	r	r	d	d
Aldergrove	13·0	-12	SW	2	rr	61	92	59	4	5	-	-	10	10	600	1	*	cr₀r₀id₀m₀	cd₀d₀mrrm	crrmc	cid₀m₀c
Birr Castle	14·1	-2	SSW	3	c	63	75	56	8	8	7	-	7-8	9+	1500	1	*	r	r		r
Valentia Obsy.	15·5	-4	SW	5	id₀	57	92	55	6	5	-	-	10	10	800	1	4	r	d	d	r
Roches Point	16·5	-6	SSW	4	c	56	97	55	8	5	-	-	9+	9+	800	1	4	r	d	d	f

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 8th June

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate southwesterly winds; cloudy and brighter periods; warm and very close.
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Moderate to fresh southwest winds; cloudy or overcast; some occasional drizzle chiefly on coasts and hills: some coastal and hill fog: very close.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Moderate to fresh southwest winds; mainly cloudy, some drizzle at times: warm and close.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Freshening southwest winds becoming strong locally on coast; mainly dull; occasional rain and drizzle with some hill fog: close or very close.
16 Orkneys and Shetlands, 17 N. W. Ireland, 18 N. E. Ireland	As 12-15
19 S. E. Ireland, 20 S. W. Ireland	As 5-8.

GENERAL INFERENCE

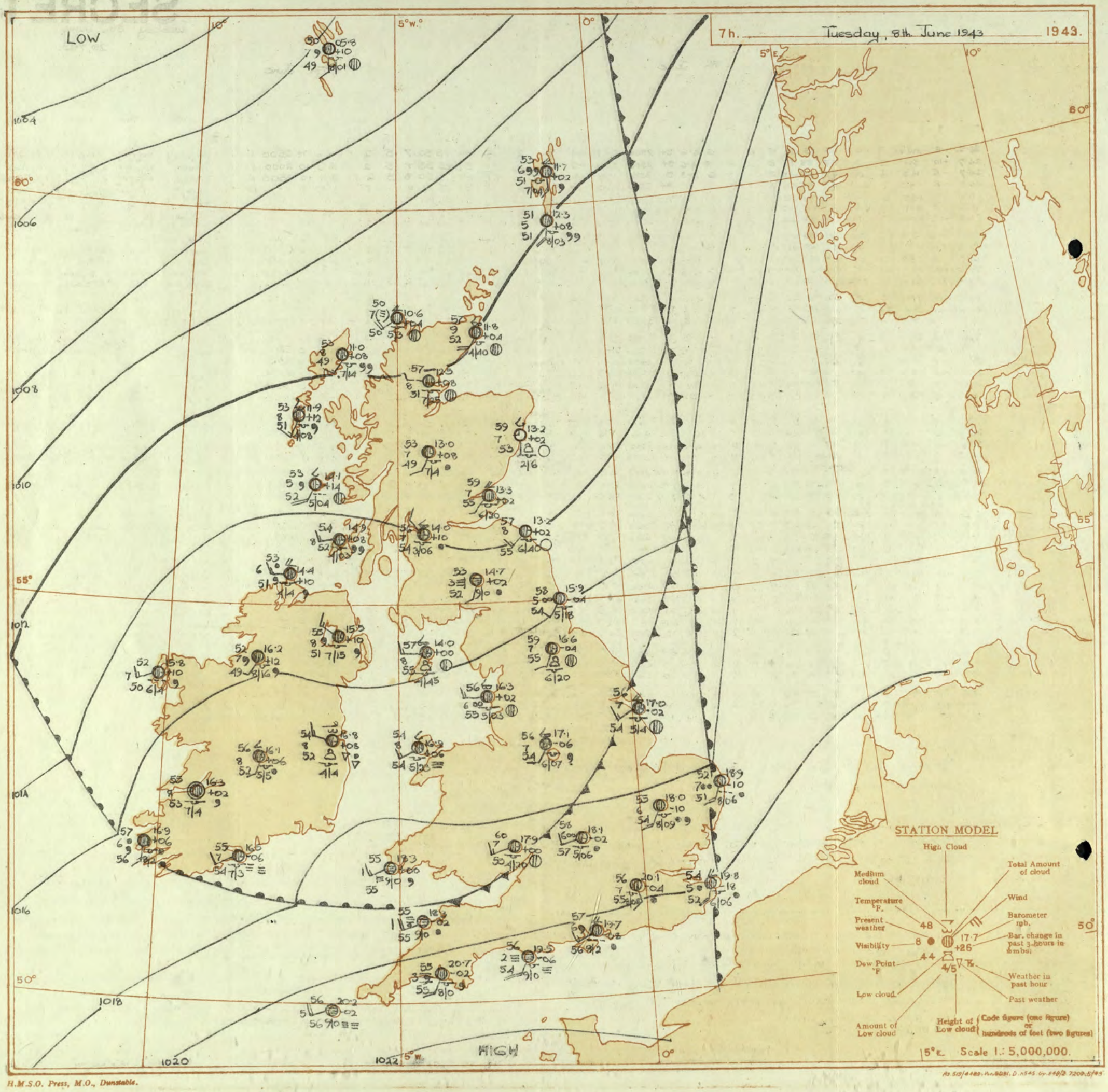
Pressure is presumably high to south of British Isles, whilst a depression is moving northeast on the eastern Atlantic. Conditions will be warm or very close in the southeastern half of the country with cloudy and brighter periods. Elsewhere weather will be mainly cloudy with some occasional drizzle or rain especially in the West and Northwest, with some hill and coast fog.

FURTHER OUTLOOK

Mainly dry and warm in the Southeast; continuing unsettled in the Northwest with further occasional rain.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

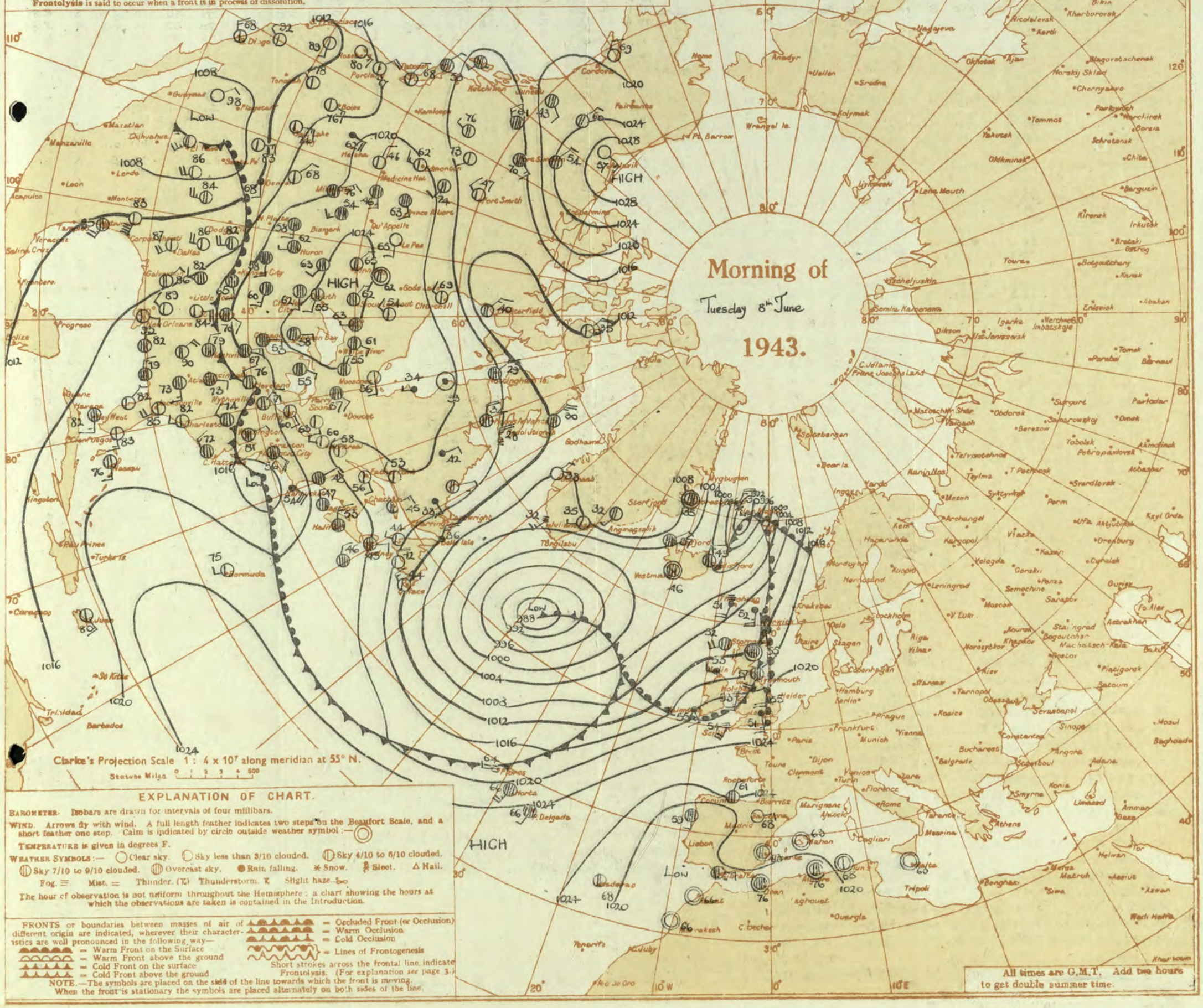
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Tuesday 8th June, 1943

No. 29,783.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	°F Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	22·1	-14	SSE	3	rr	51	92	50	6	-	2	-	10	10	4500
	S. Farnborough	226	21·1	-16	S'W	3	ir_0	53	92	51	7	-	2	-	10	10	3200
	Boscombe Down	417	20·5	-18	S	4	d_0d_0	52	97	52	6	5	-	·	10	10	200
	Thorney Island	10	22·0	-14	S'W	4	r_0r_0	55	92	54	5	-	2	·	10	10	1000
	Lympne	283	23·1	-10	SSE	1	r_0r_0	54	97	53	6	-	2	-	10	10	1000
	Manston	154	22·5	-10	SS'W	2	ir_0	54	85	48	6	-	2	-	10	10	4800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21·2	-18	SSW	4	ir_0	57	85	52	6	-	2	-	10	10	2900
	Gorleston	5	21·2	-10	WSW	2	r_0r_0	55	85	50	7	6	-	-	10	10	800
	Mildenhall	15	20·0	-14	SSW	4	r_0r_0	52	97	52	6	5	-	-	10	10	1800
	Cranwell	203	18·3	-18	SW	4	z_0	54	97	53	6	5	-	-	7-8	10	700
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·7	-18	S'W	3	d_0d_0	52	97	52	5	-	2	-	10	10	300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·1	0	WSW	4	dF	55	97	55	1	-	-	-	10	10	<150
	Bristol	209	20·0	-10	SSW	2	id_0	55	97	55	5	5	-	-	10	10	700
	Portland Bill	32	21·2	-12	S	2	rr	54	92	52	7	5	-	-	10	10	2500
	= Plymouth	82	21·4	-10	SW	3	df	56	97	56	3	5	-	-	10	10	<150
	The Lizard	240	22·6	-10	SW	5	df	55	97	55	2	5	-	-	10	10	800
	Scilly (St. Mary's)	163	20·7	-4	SW'W	4	F	54	97	54	1	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	18·2	-4	W'S	4	F	55	97	55	1	-	-	-	10	10	<150
7	Holyhead (Valley)	32	16·3	-6	SW'S	5	df	53	97	53	2	5	-	-	10	10	<150
	Chester (Sealand)	16	16·5	-6	-	0	c-bc	56	92	54	6	5	-	-	7-8	7-8	3000
8	Manchester	235	17·0	-10	SSE	4	z_0	54	92	52	6	5	-	-	9	9	5000
10	Spurn Head	29	18·5	-12	SSW	4	r_0r_0	55	92	53	6	5	2	-	4-6	10	1500
	Catterick (Sc)	192	17·2	-4	E	2	c/d	55	97	55	5	5	7	-	4-6	10	2500
	Tynemouth	108	16·5	-8	SW	4	z_0	57	85	53	6	5	-	-	7-8	7-8	2800
11	St. Abbs Head	280	13·1	-10	SW	2	c	56	92	56	7	5	2	-	7-8	10	2500
	Leuchars	36	13·2	-6	-	0	c	56	92	54	7	5	7	-	7-8	10	1500
12	Renfrew (Abbots I.)	19	13·3	0	SW	2	z_0	56	97	55	6	5	7	-	7-8	9	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	14·6	0	W'S	2	c	57	92	55	8	5	7	-	7-8	9+	4500
13A	Tiree	44	11·7	+2	SW'W	3	b-bc	51	92	51	8	5	4	-	2-3	2-3	2500
13B	Stornoway	15	09·1	+2	WSW	4	c-bc	52	92	50	7	8	-	-	7-8	7-8	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·2	+6	-	0	c	55	97	53	8	5	7	-	7-8	9	900
	Wick	114	11·6	0	SSW	3	c	54	92	54	7	5	7	-	4-6	9	3500
16	Sumburgh	19	12·2	-6	S'W	5	d_0d_0	50	97	50	5	5	-	-	10	10	400
17	Blacksod Point	18	14·0	+8	WSW	3	id_0	53	92	51	7	6	2	-	4-6	10	1500
18	Malin Head	84	13·0	+10	W'S	3	id	53	92	51	7	5	2	-	4-6	10	1500
	Aldergrove	268	14·3	+6	SW	2	c	56	92	54	7	5	2	-	9	10	1400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·1	+2	SSE	3	id_0	55	97	55	7	5	-	-	10	10	1500
	Roches Point	22	17·8	+4	SW'W	3	c-bc	55	92	53	8	5	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	°F Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	19·4	-8	SW	3	z_0	57	92	55	6	5	2	-	9	10	1500	1	*
Croydon	20·1	-4	SSE	2	c	56	97	55	7	5	-	-	10	10	800	1	*
S. Farnborough	19·3	-2	W'S	3	ir_0	58	92	56	6	5	-	-	10	10	500	1	*
Boscombe Down	19·2	-6	SW	2	c	59	92	57	7	5	3	-	9	9+	1400	1	*
Thorney Island	19·7	-8	SW'W	3	id_0	57	97	56	6	6	2	-	10	10	450	1	*
Lympne	20·6	-12	SSW	2	d_0d_0	53	97	52	5	-	2	-	10	10	200	1	3
Manston	~~19·8~~	-18	SWS	4	ir_0	54	92	52	5	5	2	-	9	10	600	1	*
Shoeburyness	19·3	-16	WSW	2	c	55	92	54	8	5	-	-	10	10	800	1	*
Felixstowe	19·0	-8	SSW	4	c/r	55	92	54	7	6	2	-	4-6	10	800	1	3
Gorleston	18·9	-10	SW	3	r_0r_0	52	97	51	7	6	-	-	10	10	600	1	2
Mildenhall	18·0	-10	SW'S	3	o/d	55	97	54	6	5	-	-	10	10	900	1	*
Cranwell	16·9	-12	SW'W	4	z_0	57	97	55	6	5	-	-	10	10	600	1	*
Birmingham	17·4	0	SSW	3	c/r	55	97	54	6	6	-	-	9+	9+	800	1	*
Upper Heyford	18·1	-2	WSW	2	z_0	58	85	57	6	5	-	-	7-8	9	600	1	*
Ross-on-Wye	17·9	0	SW'W	3	c	60	85	55	7	5	-	8	4-6	9	1500	1	*
Hartland Point	18·3	-2	WSW	4	rF	55	97	55	1	-	-	-	10	10	<150	1	4
Bristol	19·2	-2	WSW	3	d_0d_0	58	97	57	5	5	-	-	10	10	500	1	*
Portland Bill	19·5	-6	SW	4	f	56	92	54	2	5	-	-	10	10	<150	1	4
Plymouth	20·7	-2	SW	3	df	55	97	55	3	5	-	-	10	10	<150	1	1
The Lizard	20·4	-6	SW	4	df	56	97	56	2	5	-	-	10	10	200	1	4
Scilly (St. Mary's)	20·2	-2	WSW	4	o/f	56	97	56	5	-	-	-	10	10	<150	1	4
Guernsey																	
Pembroke	18·3	0	WSW	3	F	55	97	55	1	-	-	-	10	10	<150	1	3
Holyhead (Valley)	16·9	+6	SW'W	3	c	54	97	54	8	5	4	-	7-8	9+	2300	1	3
Chester (Sealand)	16·2	+2	W'N	1	c	58	85	53	8	5	2	-	9	9+	2500	1	*
Manchester	16·3	-4	SSW	3	c/d	57	92	54	6	7	-	1	7-8	7-8	3000	1	*
Spurn Head	17·0	-2	WSW	3	c	56	92	54	7	5	2	-	7-8	9+	1500	1	3
Catterick (Sc)	16·6	-4	SW	2	c	59	85	55	7	8	-	-	9	9	2000	1	*
Tynemouth	15·9	-4	SW	2	z_0	58	85	54	5	5	-	-	7-8	7-8	1800	1	
St. Abbs Head	13·2	+2	SW	3	c	57	92	55	8	5	-	-	9	9	4000	0	
Leuchars	13·3	+2	SSW	1	c	59	85	55	7	5	2	-	9	10	2000	0	*
Renfrew (Abbots I.)	14·0	+10	NW'W	2	c	56	92	54	7	5	7	-	2-3	9	600	1	*
Eskdalemuir	14·7	+2	S'W	2	f	53	97	52	3	-	-	-	10	10	<150	1	*
Point of Ayre	14·0	0	W	3	c	57	92	55	8	8	7	-	4-6	9+	4500	0	2
Tiree	14·1	+14	SW	4	id	53	92	52	5	6	4	-	7-8	9	400	1	3
Stornoway	11·0	+8	SSW	3	c/d	53	85	49	8	5	-	-	9+	9+	1400	1	3
Dalwhinnie	13·0	+8	SSW	2	o	53	85	49	7	5	-	-	9+	9+	1500	1	*
Aberdeen †	13·2	+2	S	1	b	59	85	53	7	8	4	-	1	1	4000	1	2
Wick	11·8	+4	SSW	4	c	57	85	52	9	5	7	-	4-6	9	4000	0	*
Sumburgh	12·3	+8	S	4	o/d	51	97	51	5	5	-	-	10	10	300	1	3
Blacksod Point	15·8	+10	WSW	3	c	52	92	50	7	6	-	-	9	9	1500	1	3
Malin Head	14·4	+10	W	3	dr	53	92	51	6	5	2	-	4-6	10	1500	1	2
Aldergrove	15·5	+10	W'N	3	id_0	55	85	51	8	5	-	-	9+	9+	1500	1	*
Birr Castle	16·1	+6	SSW	1	c	56	85	52	8	5	1	-	7-8	9+	2500	1	*
Valentia Obsy.	16·9	+6	S	3	dr	57	97	56	6	5	-	-	10	10	450	1	3
Roches Point	16·5	-6	SW'W	2	c/f	55	97	54	7	5	-	-	9+	9+	800	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
London (Kew)	68	53	50	1	4	7·0
Croydon	71	50	49	0·5	5	8·8
S. Farnborough	70	52	51	0·3	4	8·8
Boscombe Down	66	52	50	0·1	3	6·1
Thorney Island	64	54	54	Tr	6	*
Lympne	64	51	51	-	5	8·6
Manston	67	51	51	-	5	8·9
Shoeburyness	67	51	53	-	7	4·2
Felixstowe	64	51	40	-	5	7·5
Gorleston	60	52	51	-	3	8·5
Mildenhall	71	51	49	-	3	4·8
Cranwell	69	53	44	0·2	4	3·5
Birmingham	64	51	43	5	5	5·4
Upper Heyford	67	51	46	1	7	*
Ross-on-Wye	63	53	54	1	1	3·7
Hartland Point	60	55	55	3	11	0·1
Bristol	67	54	53	0·5	2	4·0
Portland Bill	57	52	*	-	7	*
Plymouth	60	55	55	Tr	7	1·0
The Lizard	59	55	*	6	5	0·6
Scilly (St. Mary's)	60	54	*	2	2	0·2
Guernsey						
Pembroke	55	53	*	12	2	0·0
Holyhead (Valley)	58	53	53	7	1	*
Chester (Sealand)	64	56	50	3	0·2	4·1
Manchester	65	53	52	2	0·1	*
Spurn Head	66	54	*	-	2	8·3
Catterick (Sc)	65	54	54	2	0·6	2·2
Tynemouth	67	54	54	-	0·6	2·2
St. Abbs Head	65	55		Tr	0·1	
Leuchars	65	54	53	Tr	Tr	5·5
Renfrew (Abbots I.)	59	55	51	1	0·3	2·2
Eskdalemuir	59	52	53	2	6	2·5
Point of Ayre	57	57	*	6	-	1·9
Tiree	57	51	48	5	0·1	0·0
Stornoway	59	51	49	1	Tr	3·4
Dalwhinnie	58	50	46	Tr	0·4	3·9
Aberdeen †	59	54	52	-	Tr	7·8
Wick	57	52	48	-	Tr	*
Sumburgh	52	50	48	-	1	5·0
Blacksod Point	61	51	*	1	0·5	
Malin Head	61	50		1	0·6	0·0
Aldergrove	61	53	53	3	2	0·0
Birr Castle	64	53	52	2	0·4	0·9
Valentia Obsy.	62	54	53	1	2	0·5
Roches Point	58	55		8	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 7th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 8th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	1-	01643	47613	57	61665	16527	57	05645	17326	57	02735	00027
115				52	62735	20267	52	02734	20428	52	09735	20428
203				5-	03838	16423						
206	57	61854	16417	57	02856	20567	50	01852	00022	5-	02857	24227
210	11	01861	18415	59	02863	16427	54	01853	16214	54	02955	20226
219	5-	51628	16768	5-	02728	17658	5-	21745	18458	50	02834	18356
280	5-	61636	14268	5-	51638	16268	5-	56518	22258	5-	02858	23258
245	57	05554	15417	57	02755	18318	52	22656	14168	53	02766	00027
260	52	02865	15327	52	02746	18328	57	02754	20227	5-	53438	20128
278	62	54516	48558	5-	05618	15458	53	01734	17124	52	21624	25258
279				52	21835	18468	5-	54834	18358	62	02835	21358
285	57	03753	18528	27	81744	20488				27	05624	30227
288	07	05690	16317				5-	22648	16368	13	01753	19224
575	52	02845	16428	57	10745	20427	57	21645	20157	5-	51748	18158
301	62	62654	16468	62	02655	14468	57	05647	24168	57	05625	24328
321	07	02790	18447	52	64664	18368	5-	05648	18268	53	05644	18327
290	54	05654	14415	5-	05646	16326	5-	02746	10326	--	48309	20249
292	57	05642	20357	67	62555	20167	52	22434	13268	5-	05537	20167
310	--	02638	20428							--	20635	20245
614	77	52764	20327	57	62665	18367	52	05536	20328	5-	08448	23128
388	62	64526	50568	62	26517	50568	5-	21438	51558	53	02744	22357
334	--	63647	26288									
340	52	62653	20468	02	64648	16268	52	05644	24238	5-	02858	22428
136	20	02755	18345	07	02790	20317	62	61625	20868	02	22518	20268
386	62	64526	20368	62	62526	16368				13	01753	24315
850	10	02863	19316	62	62754	18368				02	21638	20258
368	52	61664	18168	5-	62648	20268	5-	22338	22168	5-	57328	24368
379	17	02854	22428	57	22641	18468	5-	62648	18468	53	02726	22367
390	21	05664	16317	57	05651	26327	5-	64458	22552	5-	21424	18258
382	17	02853	20317	02	64678	17168	52	22636	18268	52	02737	22228
438	--	46009	23349	5-	81657	22287	52	02745	20218	5-	52538	22468
430	13	02852	20415	02	51890	20258	5-	62668	18268	5-	51418	20158
409	57	12845	18467	6-	52638	18528	--	46209	19469	--	57109	21469

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 8th June, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bmbccy	$dr_0 r_0 ir_0$	$r_0cr_0cm_0$
Croydon	bcycy	$cycr_0r_0$	$rrid_0c$
Greenwich	bbcy	cyr_0	r_0crrc
Camden Square	b	c	*
Kensington	bcc	cr	*
Hampstead	bc	or	o

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

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	68	53	50	1	4	7·0	*	*
Croydon	71	55	49	0·5	5	8·8	*	*
Greenwich	73	51	50	Tr	5	6·8	42	89
Westminster	70	52	51		5		53	91
Regents Park	*	52	50	-	5		63	91
Camden Square	73	52	50	1	5	*	*	89
Kensington	71	52	51	1	4		77	90
Hampstead	69	50	48	1	4		*	95

Page 1

BRITISH SECTION

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

SECRET

Wednesday, 9th June 1943

No. 2978A

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·4	-4	SW'W	2	c/d	62	85	59	7	5	2	-	9+	10	1500
	Croydon	19·0	-8	SW	2	ido	64	75	58	7	5	-	-	10	10	1600
	S. Farnborough	18·2	-6	SW'W	3	i:o	62	92	59	6	5	-	-	10	10	400
	Boscombe Down	18·8	-2	WSW	3	co	63	85	59	7	5	-	-	10	10	1200
	Thorney Island	18·8	-6	SW'S	3	c	63	85	58	8	5	-	-	4-6	10	800
	Lympne	19·1	-10	SW	2	z	62	85	59	6	5	-	-	10	10	500
	Manston	18·5	-10	WSW	2	zo	64	85	58	6	5	1	-	7-8	9+	800
2	Shoeburyness	18·8	-10	SSW	2	zo	66	85	60	6	5	-	-	10	10	2500
	Felixstowe	17·9	-6	S	2	c	65	85	59	7	5	-	-	9	9	1500
	Gorleston	17·7	-2	SW'W	1	c	61	85	57	7	5	-	-	10	10	1200
	Mildenhall	16·7	-10	WNW	3	c-bc	70	75	60	8	8	-	-	2-3	7-8	2500
	Cranwell	16·5	0	W	3	zo	64	75	55	6	7	3	-	4-6	10	3800
3	Birmingham	17·1	0	WNW	3	c	65	65	53	8	7	-	-	9	9	2500
	Upper Heyford	17·4	-2	WSW	4	z	66	75	59	6	2	3	1	9	9+	2500
4	Ross-on-Wye	17·5	0	SW	3	co	64	85	60	7	5	7	-	9+	10	2500
5	Hartland Point	18·9	+2	WSW	3	df	56	97	56	1	-	-	-	10	10	<150
	Bristol	19·0	-2	W	4	c	63	85	59	8	5	1	-	9+	10	1200
	Portland Bill	19·3	-4	SW	4	o	56	92	54	7	5	-	-	10	10	2500
=	Plymouth	20·8	+2	SW	3	ido	58	97	57	6	5	-	-	10	10	100
	The Lizard	21·1	+6	W	3	ido	57	97	57	4	5	-	-	10	10	800
	Scilly (St. Mary's)	20·9	+2	SW'W	3	co	59	97	58	7	5	-	-	10	10	800
	Guernsey															
6	Pembroke	18·7	0	W'S	3	F+	55	97	55	1	-	-	-	10	10	<150
7	Holyhead (Valley)	17·4	-2	SW'W	2	bc	60	85	55	9	2	4	9	2-3	4-6	2000
	Chester (Sealand)	17·0	+2	N'W	3	c	63	65	52	8	7	-	-	2-3	9	2000
8	Manchester	17·2	+2	W'N	2	c	60	85	55	7	8	-	-	4-6	9+	1500
10	Spurn Head	16·4	0	WSW	2	zo	64	75	56	6	7	-	-	9+	9+	2500
	Catterick (Sc)	16·0	+2	WSW	3	vo	65	75	55	3	8	-	-	9+	9+	3000
	Tynemouth	16·1	+2	W	3	zo	65	65	52	6	8	-	-	9	9	2000
11	St. Abbs Head	14·6	+4	-	0	c	58	92	56	6	5	-	-	9+	9+	2900
	Leuchars	14·3	+2	SW	4	bc	68	55	50	8	2	-	9	4-6	4-6	3000
12	Renfrew (Abbots I.)	15·6	+6	W'S	2	c	60	75	51	9	5	-	-	7-8	9+	1400
	Eskdalemuir	15·1	+6	W'S	3	c	61	75	54	8	5	-	-	9+	9+	1700
	Point of Ayre	16·4	+6	NW'W	3	c	62	85	56	8	9	4	9	7-8	9	2500
13A	Tiree	15·7	+10	SW	3	c-bc	56	85	51	9	8	6	-	4-6	7-8	1500
13B	Stornoway	13·6	+14	SW	4	ido	54	85	51	8	5	-	-	9+	9+	1800
15	Dalwhinnie	14·5	+4	SW	2	co	56	75	48	8	5	3	-	7-8	9+	2500
	Aberdeen	13·5	+4	SE	3	c	66	65	51	8	3	6	3	2-3	9	4000
	Wick	14·0	+10	NE	2	c	57	85	51	9	5	7	5	4-6	9	2500
16	Sumburgh	14·2	+12	W	2	c	53	92	51	8	5	-	-	10	10	2500
17	Blacksod Point	15·5	-6	SW	3	c	59	85	55	8	8	-	-	9+	9+	1500
18	Malin Head	15·2	+4	W'N	2	c-bc	56	85	52	8	5	-	-	7-8	7-8	1500
	Aldergrove	16·8	+6	W	2	c	59	55	40	9	5	-	-	4-6	10	1800
19	Birr Castle	16·1	-4	SSW	1	c-bc	67	65	55	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	17·5	+2	S	3	o/r	59	97	58	7	5	-	-	10	10	450
	Roches Point	17·4	0	SW	3	c	58	92	56	8	5	-	-	9	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 8th (39)	Weather 13h.–18h. 8th (40)	Weather 18h. 8th to 1h. 9th (41)	Weather 1h.–7h. 9th (42)
London (Kew)	17·5	-4	-	0	ido	63	92	60	6	5	2	-	9+	10	2500	1	*	cdomc	ddcid	do bcfbw	b, cmo w
Croydon	18·4	-6	W'N	2	ido	64	85	61	6	5	2	-	9	10	1200	1	*	c	cmido	cmido bcm	cmo
S. Farnborough	17·4	-8	W	3	co	64	85	59	8	5	-	-	10	10	1000	1	*	cirom	ciridmc	c, b, omo	omo w cmo
Boscombe Down	18·4	0	WNW	3	c	64	85	57	8	8	7	-	9	9+	1600	1	*	ccdoco	cidoc	c	cdo mo
Thorney Island	18·1	-2	WSW	2	c	65	85	61	7	8	7	-	9+	10	2500	0	*	cmoc	c	cbcbmo	c
Lympne	17·6	-8	WSW	1	id	61	97	61	4	5	2	-	9	10	300	1	§3	odmoomo	omoeidom	cdomo cm	bcof
Manston	17·5	-6	W	2	zo	64	85	59	6	5	3	9	7-8	9	1500	1	*	cfmocmo	cmzidm	cmbcbmbm	bmbfofof
Shoeburyness	17·7	-12	WSW	2	zo	65	85	61	6	5	-	9	4-6	7-8	4000	1	*	circm	cmo	cbc	cbccmo
Felixstowe	16·4	-2	NW	1	c-bc	69	75	61	7	8	-	-	7-8	7-8	2500	0	1	cmoc	bcmoc	bcmocmo	bcmocmo
Gorleston	16·6	-2	SE'S	2	zo	60	92	57	6	5	-	-	9	9	2000	0	3	c	czo	czow	czom
Mildenhall	16·0	-4	NW'N	3	c	68	75	59	7	2	3	-	2-3	9+	2500	1	*	cdodmc	bccbcc	cbcmo	cmbcmow
Cranwell	16·0	0	NW'W	2	zo	67	75	59	6	7	-	-	9	9	3500	1	*	cmo	cmo	cmo bmo	bcmomw
Birmingham	16·2	-2	WNW	3	bc	69	55	52	8	7	4	-	4-6	4-6	4000	1	*	cbcc	cbc	bc	bcz
Upper Heyford	16·9	-2	W'S	3	zo	65	85	59	6	5	5	1	2-3	4-6	2000	0	*	cmoccm	cm bcm	bcmo	bzo fbcw Fcm
Ross-on-Wye	17·2	0	W'S	2	co	63	85	58	7	8	1	-	9+	9+	2500	1	*	c	cco		cc
Hartland Point	18·9	0	WSW	3	df	56	97	56	1	-	-	-	10	10	<150	1	3	rdfdfdf	dfdfrf	dfrfrf	dfdf
Bristol	18·9	0	WSW	3	c	60	92	58	7	5	2	-	9	10	700	0	*	cmidoc	c	ccidodomocm	cmo
Portland Bill	18·6	-4	WSW	4	rr	56	92	54	7	5	-	-	10	10	2500	1	4	oo	rr	oo	oo
Plymouth	20·3	-4	SW	3	o/r	58	97	58	6	5	-	-	10	10	200	1	1	oidodm	cidoro	cidofmo	omocmo
The Lizard	20·5	-4	W'N	3	o	56	97	56	7	5	-	-	10	10	200	1		odfdmo	dfdmo	odf	odfc
Scilly (St. Mary's)	20·7	-2	WSW	3	F	56	97	55	1	-	-	-	10	10	<150	1	4	odFc	coff	offec	offidf
Guernsey																					
Pembroke	18·7	0	W'S	3	F+	55	97	55	1	-	-	-	10	10	<150	1	3	Fedodo	Fedodo	Ferr	Fedodo
Holyhead (Valley)	17·5	-2	SW'S	1	bc	58	85	55	8	7	-	9	Tr	4-6	2500	1	2	c	bc	cjfb	bbcc
Chester (Sealand)	17·1	-2	NW'W	2	b-bc	62	75	52	8	1	4	1	Tr	2-3	3000	0	*	cid	cbcb	b, bcm	cbcmo
Manchester	16·9	-2	NW	3	bc	63	75	54	7	2	6	9	4-6	4-6	2500	1	*	ccmr	cbc	cbcmff	bmfbcm
Spurn Head	16·2	0	S'E	2	zo	60	85	56	6	7	-	-	9+	9+	1500	0	2	czo	cmo	cmo	bcmo
Catterick (Sc)	16·0	+2	NW	2	c-bc	65	65	55	8	7	3	-	2-3	7-8	3000	0	*	c	circbc	bcbmo	bcmo
Tynemouth	17·0	+6	SSW	2	c	60	85	54	7	8	-	-	9	9	2000	0	1	cmo	cmoc	cbc	bcbmo
St. Abbs Head	15·6	-6	SE	2	c	57	92	55	7	5	-	-	10	10	2500	0	2	crocm	cmo	cbcmo	cmo
Leuchars	15·1	+2	SW	3	b-bc	65	65	52	9	1	3	9	1	2-3	3000	0	*	cdcdodmo	bcybcbbc	bcb	bbc
Renfrew (Abbots I.)	16·4	+2	WSW	2	c	61	65	51	9	5	-	-	4-6	9+	2000	1	*	c	c	cbcbwfg	bwbcmfgbm
Eskdalemuir	14·6	0	SW'W	2	c	61	75	52	8	5	-	-	9	9	1500	0	*	ofiromo	c	bcmoc	cmof
Point of Ayre	17·0	0	WNW	2	b-bc	61	85	56	8	8	4	9	Tr	2-3	2500	0	2	cbcc	cb	bw	FFc
Tiree	16·3	0	S'E	2	bc	54	85	51	9	8	-	-	4-6	4-6	1500	0	2	cidoc	cjpcidoc	cbcb	cido
Stornoway	15·3	+12	SSW	3	c	54	92	51	8	5	-	-	10	10	3200	1	2	c	cidoc	cb	bbccw
Dalwhinnie	16·0	+6	SW	2	bc	59	75	49	8	7	-	-	4-6	4-6	4000	0	*	c	c		bcc
Aberdeen	15·0	+10	NE	2	c	59	85	54	7	4	6	-	4-6	9+	4000	0	1	bccbc	c	c	cbcbw
Wick	15·7	+10	NE	2	c	54	85	51	9	5	-	-	9	9	3000	0	*	c	bcc	c	cff
Sumburgh	15·8	+8	SSW	2	c	52	92	49	9	5	7	-	7-8	9+	2500	1	3	cddoc	circ	c	fe
Blacksod Point	14·4	-10	S	4	c	58	92	56	8	6	-	-	10	10	2500	1	3	c	c	d	d
Malin Head	15·7	+2	E	3	b-bc	54	85	50	8	5	-	-	2-3	2-3	1500	1	2	c	bc	b	pr
Aldergrove	16·4	-4	SW	1	b-bc	63	75	54	9	1	6	-	2-3	2-3	3000	0	*	cidoc	cy	b	bccidoc
Birr Castle	15·3	-8	WSW	1	bc	72	65	59	8	2	-	4	4-6	4-6	1500	1	*	c	bc	d	c
Valentia Obsy.	16·9	-2	S'E	4	ido	57	97	56	4	5	-	-	10	10	<150	1	2	r	r	d	d
Roches Point	17·4	0	SSW	3	iD	57	97	56	4	5	-	-	10	10	450	1	3	c	c	r	f

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light variable to southerly winds; fair with some bright periods; some morning mist; local coast fog; warm and close
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Light to moderate southerly winds backing southeasterly; widespread very low cloud and fog with some drizzle on the coast and hills; mainly cloudy well inland; increasing tendency to thundery rains toward end of period; very close
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Moderate to fresh south to southeast winds; cloudy to overcast; some occasional rain or drizzle; some hill or coast fog; very close.
15 N.E. Scotland, 16 Orkneys and Shetlands	Light winds mainly between east and south; cloudy; fog at times; rather cool.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate to fresh southerly winds; cloudy or dull with local drizzle at first and with local coast fog; more general rain spreading from west with possible thunder; very close at first becoming cooler.

GENERAL INFERENCE

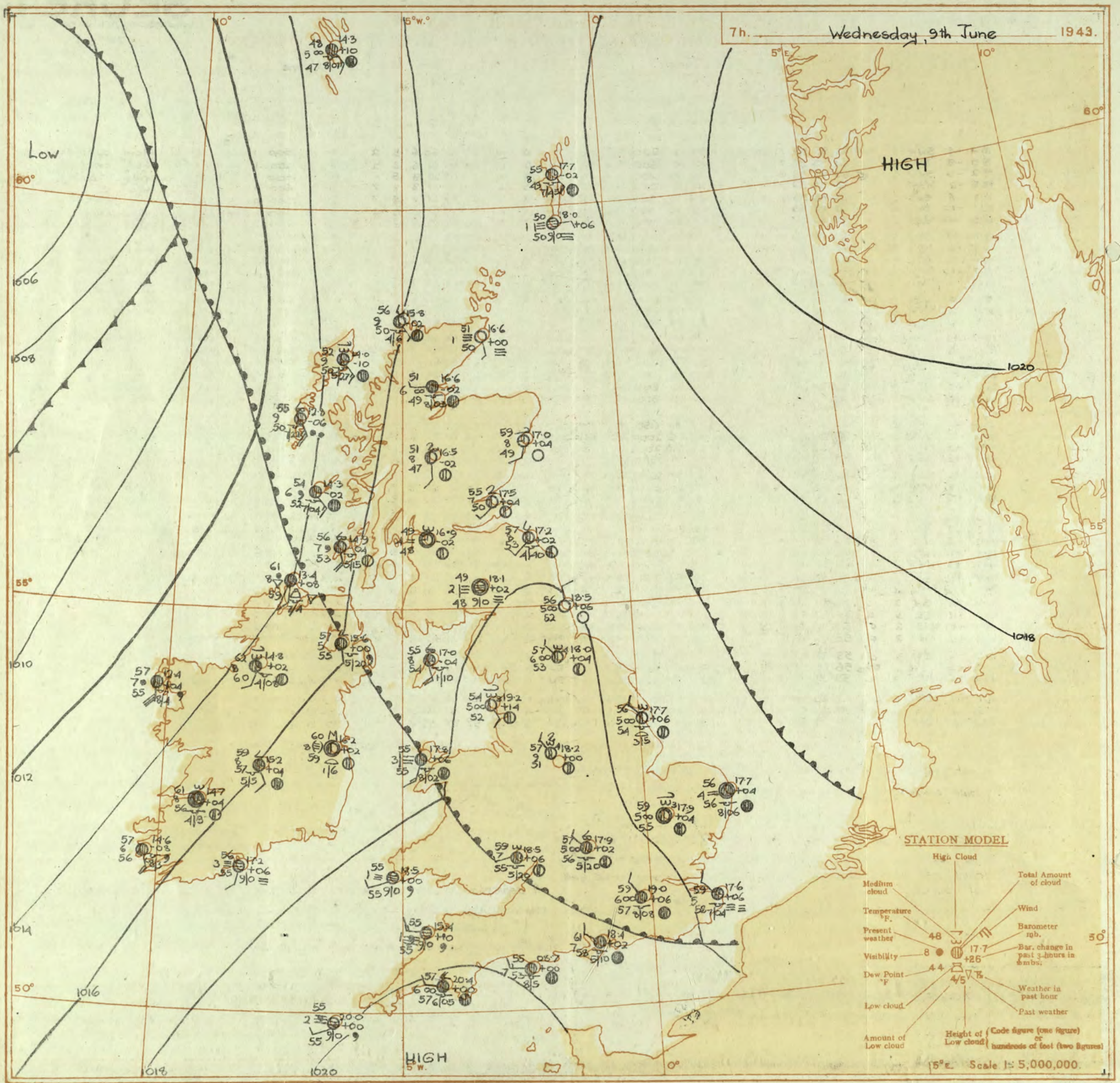
A depression is almost stationary to southwest of Iceland with a ridge of relatively high pressure over the British Isles - Weather will be warm and close with considerable bright periods in the East but mainly cloudy in the West with some occasional drizzle or rain chiefly near the coast. Fog will occur locally on the coasts.

FURTHER OUTLOOK

Fair periods in the East and South; tendency to thundery conditions increasing in most areas

Forecasts issued at 1030.

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



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

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

Explanation of Frontal Lines shown on Charts

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

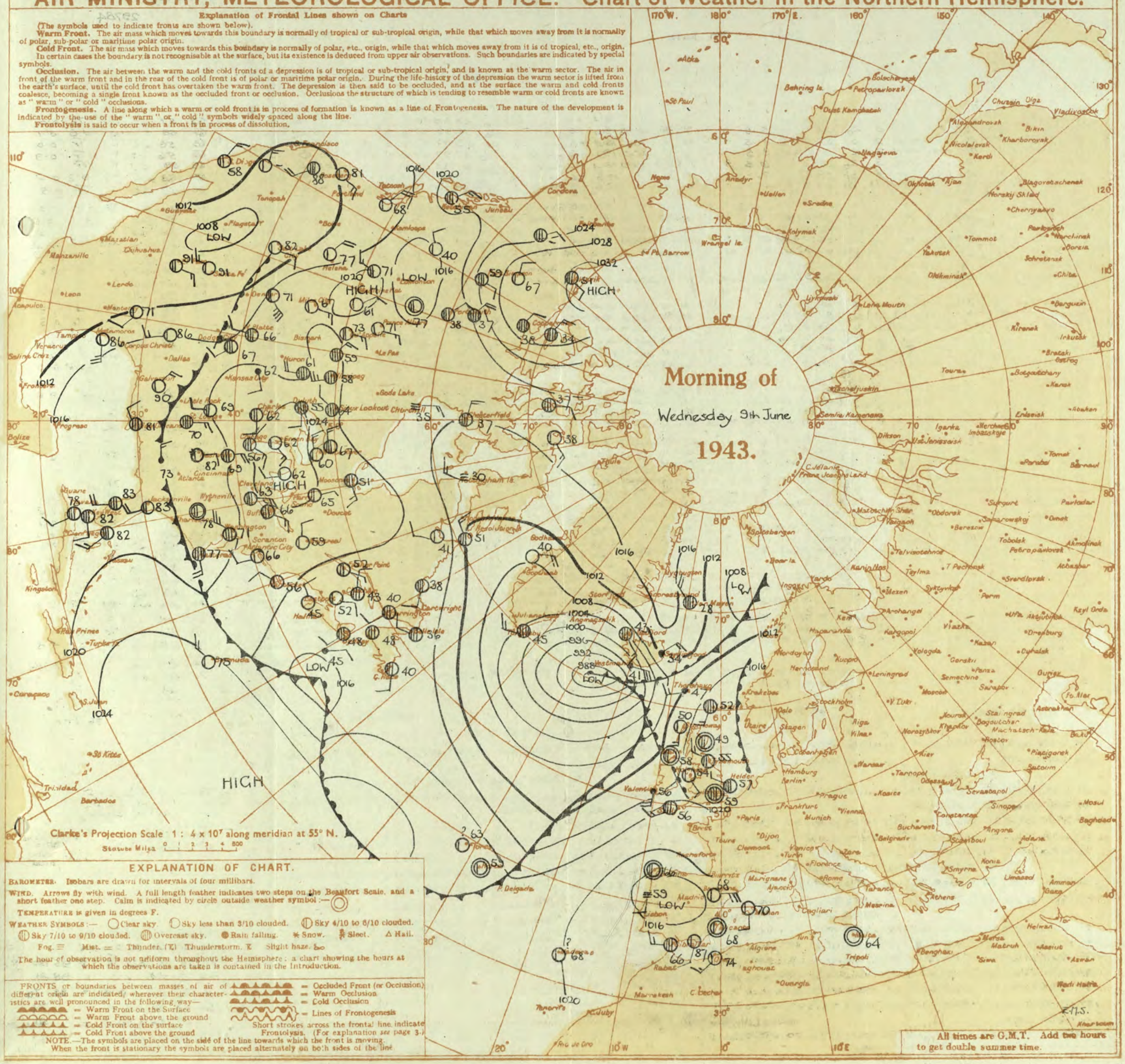
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 9th June 1943

No 29784

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

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·5	-2	-	0	Z_0	59	97	58	5	5	-	-	9+	9+	1000
	S. Farnborough	226	17·7	-2	WNW	2	o	57	97	56	6	5	-	·	10	10	800
	Boscombe Down	417	18·6	-4	NW'N	2	c	57	92	55	8	5	-	-	10	10	400
	Thorney Island	10	18·1	-4	W'N	3	Z_0	58	97	57	6	5	3	-	2-3	2-3	1500
	Lympne ..	283	17·4	-4	NW	3	bf	59	97	59	2	-	-	-	0	0	-
	Manston ...	154	17·8	-6	W'N	1	m	57	97	57	4	-	-	-	0	0	·
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ..	12	16·6	-6	W'S	2	Z_0	59	92	57	5	-	7	-	0	2-3	-
	Gorleston ...	5	16·4	-2	WNW	1	Z_0	57	92	55	6	5	7	-	4-6	7-8	1500
	Mildenhall ...	15	16·8	0	W	1	Z_0	57	97	57	5	5	3	-	2-3	4-6	4000
	Cranwell ...	203	17·2	0	NW	1	Z_0	54	92	52	6	-	4	-	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·8	+4	W'N	2	Z_0	57	97	56	6	5	4	1	1	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·8	0	WSW	4	df	55	97	55	1	-	-	-	10	10	<150
	Bristol ...	209	19·0	-2	WSW	2	Z_0	57	97	56	6	5	-	·	9+	9+	3100
	Portland Bill ...	32	18·4	0	WSW	4	o	56	92	54	7	5	-	·	10	10	2500
	Plymouth ..	82	20·5	-2	WSW	1	c/d	56	97	56	5	5	-	·	10	10	400
	The Lizard ..	240	20·8	+2	W'N	3	df	55	97	55	3	5	-	-	10	10	200
	Scilly (St. Mary's)	163	20·6	-4	SW'W	3	o/f	56	97	56	6	5	-	-	10	10	500
	Guernsey ...	175															
6	Pembroke ...	142	18·5	-12	W'S	3	of	55	97	55	1	-	-	-	10	10	<150
7	Holyhead (Valley)	32	17·6	-4	SE	1	b	54	97	51	8	5	-	·	Tr	Tr	200
	Chester (Sealand)	16	17·9	0	-	0	c	51	92	49	6	5	-	-	10	10	1800
8	Manchester ...	235	17·9	+2	-	0	bf	49	97	49	3	4	-	9	Tr	Tr	2500
10	Spurn Head ...	29	16·8	0	NW	3	Z_0	57	85	54	6	7	3	-	4-6	7-8	2500
	Catterick (Sc)...	192	17·0	+2	W	1	b	51	97	50	6	-	4	-	0	1	-
	Tynemouth ...	108	17·8	+2	NW	3	bc	55	85	50	7	-	4	2	0	4-6	-
11	St. Abbs Head	280	16·3	+2	W	1	bc	57	75	50	7	5	-	-	4-6	4-6	4000
	Leuchars ...	36	16·4	+2	WSW	3	b	51	92	48	8	-	4	-	0	Tr	-
12	Renfrew (Abbots I.)	19	16·8	-2	-	0	bfg	45	97	45	8	-	7	-	0	Tr	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·7	+2	-	0	b	50	55	38	8	-	-	8	0	Tr	·
13A	Tiree	44	15·3	-10	SE'S	3	b	53	92	51	9	-	7	-	0	Tr	-
13B	Stornoway ...	15	15·3	-6	S	3	b	50	97	49	8	5	-	-	1	1	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·6	+6	-	0	fsg	49	92	47	7	5	-	-	2-3	2-3	3500
	Wick ...	114	16·7	-2	NE	1	c-bc	50	92	48	8	5	3	-	4-6	7-8	2000
16	Sumburgh ..	19	17·0	+2	-	0	c	51	92	49	9	5	-	-	10	10	2000
17	Blacksod Point	18	13·1	-14	S'W	4	id	56	97	55	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	13·9	-12	-	0	bc	58	85	53	8	5	4	-	2-3	4-6	1500
	Aldergrove ...	268	16·3	-2	-	0	b	51	92	49	8	5	4	-	1	1	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·5	-10	S'E	5	d_0d_0	56	97	55	5	5	-	-	10	10	450
	Roches Point	22	17·6	-2	SSW	3	of	55	97	54	3	-	-	-	10	10	<150

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·4	+6	-	0	Z_0	59	85	55	5	5	2	-	1	10	2500	1	*
	Croydon ...	19·0	+6	NW	2	Z_0	59	92	57	6	5	-	-	10	10	800	1	*
	S. Farnborough	18·5	+6	NW	2	Z_0	59	92	57	6	5	7	-	7-8	9+	1200	1	*
	Boscombe Down	19·1	+6	NW'W	2	id_0	57	92	56	6	5	-	-	10	10	500	1	*
	Thorney Island	18·4	+2	NNW	2	c	61	85	58	7	5	-	-	7-8	10	1000	0	*
	Lympne ..	17·6	+4	NW'N	2	m/f	58	97	58	4	5	-	-	9+	9+	800	1	2
	Manston ...	17·6	+6	NW'W	2	c/f	59	97	58	5	5	-	-	9+	9+	400	1	*
2	Shoeburyness ...	18·2	+8	NW	2	Z_0	60	97	59	5	5	-	-	9	9	1500	0	*
	Felixstowe ..	17·6	+6	WNW	2	Z_0	60	85	56	5	5	3	-	4-6	9	1500	0	1
	Gorleston ...	17·7	+4	·	0	m	56	97	56	4	5	·	-	10	10	600	0	2
	Mildenhall ...	17·9	+4	-	0	Z_0	59	85	55	5	-	3	1	0	4-6	-	0	*
	Cranwell ...	18·0	+14	W'N	2	Z_0	55	92	52	6	-	3	-	0	4-6	-	1	*
3	Birmingham ...	18·7	+4	WNW	1	Z_0	58	85	53	5	5	3	-	2-3	4-6	800	1	*
	Upper Heyford	17·9	+2	NW	1	Z_0	57	97	56	5	5	7	-	7-8	9+	2000	0	*
4	Ross-on-Wye	18·5	+6	W'S	1	c	59	85	55	7	5	3	-	7-8	9	2000	1	*
5	Hartland Point	15·4	+10	W	3	df	55	97	55	1	-	-	-	10	10	<150	1	3
	Bristol ...	19·8	+10	W	2	Z_0	58	97	57	6	5	-	·	10	10	500	1	*
	Portland Bill ...	18·7	0	W	3	o	55	92	53	7	5	-	-	10	10	2500	1	3
	Plymouth ..	20·4	0	W	2	Z_0	57	97	57	6	5	2	-	9	10	500	1	1
	The Lizard ..	20·0	-4	W	3	c/f	56	97	56	6	5	-	-	9+	9+	1000	1	3
	Scilly (St. Mary's)	20·0	0	SW'W	2	df	55	97	55	2	-	-	-	10	10	<150	1	3
	Guernsey ...																	
6	Pembroke ...	18·5	0	WSW	2	of	55	97	55	1	-	-	-	10	10	<150	1	3
7	Holyhead (Valley)	17·8	+6	SSW	3	of	55	97	55	3	5	-	-	10	10	200	1	1
	Chester (Sealand)	18·2	+2	SSW	1	c-bc	59	85	53	5	-	3	-	0	7-8	-	0	*
8	Manchester ...	18·5	+2	-	0	m	53	92	51	4	5	3	9	1	4-6	5700	0	*
10	Spurn Head ...	17·7	+6	NW	2	Z_0	56	92	54	5	7	3	-	2-3	4-6	2500	0	2
	Catterick (Sc)...	18·0	+4	NW	1	Z_0	57	85	53	6	-	3	-	0	4-6	-	0	*
	Tynemouth ...	18·5	+6	NNW	2	Z_0	56	85	52	5	-	-	·	0	0	-	0	2
11	St. Abbs Head	17·2	+2	SW	2	c-bc	57	85	53	8	5	4	-	4-6	7-8	4000	0	2
	Leuchars ...	17·5	+4	SW	1	bc	55	85	50	7	-	-	6	0	4-6	-	0	*
12	Renfrew (Abbots I.)	16·9	-2	-	0	m	49	92	48	4	-	3	-	0	Tr	-	1	*
	Eskdalemuir ...	18·1	+2	-	0	f+	49	97	48	2	-	-	-	10	10	<150	1	*
	Point of Ayre...	17·0	-4	S'E	4	c	55	97	54	8	5	7	-	Tr	9+	1000	0	3
13A	Tiree	14·3	-2	SE'S	3	id_0	54	97	52	6	5	-	-	9+	9+	400	0	3
13B	Stornoway ...	14·0	-10	SE	3	c	52	92	50	9	5	3	2	7-8	9	2700	1	2
15	Dalwhinnie ...	16·5	-2	S	1	bc	51	85	47	8	-	-	9	0	4-6	-	1	*
	Aberdeen † ...	17·0	+4	SSW	2	b	59	65	49	8	-	-	1	0	Tr	-	0	1
	Wick ...	16·6	0	SSE	1	F	51	97	50	1	-	-	-	10	10	<150	1	*
16	Sumburgh ..	18·0	+6	E	2	F+	50	97	50	1	-	-	-	10	10	<150	1	1
17	Blacksod Point	12·5	+4	S	6	id_0	57	92	55	7	6	-	-	10	10	1500	1	5
18	Malin Head ...	13·4	+8	S	2	pr	61	92	59	8	8	-	-	9+	9+	1500	1	1
	Aldergrove ...	15·6	0	S	1	c	57	92	55	5	5	2	-	7-8	10	2000	1	*
19	Birr Castle ...	15·2	+4	SSE	2	c	59	92	57	8	5	1	-	7-8	9	2500	0	*
20	Valentia Obsy.	14·6	-8	S'E	4	c/d	57	97	56	6	5	-	-	10	10	800	1	3
	Roches Point	17·2	+6	SSW	2	f	56	97	55	3	-	-	-	10	10	<150	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h m.m. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	63	57	49	0·1	Tr	0·0
	Croydon	65	58	51	0·1	0·6	0·1
	S. Farnborough	65	56	45	Tr	Tr	0·0
	Boscombe Down	65	56	47	Tr	Tr	0·3
	Thorney Island	65	59	57	Tr	Tr	*
	Lympne ..	65	53	40	0·3	0·2	0·2
	Manston ...	66	57	54	1	Tr	0·8
2	Shoeburyness ...	67	56	50	Tr	-	1·9
	Felixstowe ..	71	55	51	-	0·1	2·5
	Gorleston ...	63	54	48	1	-	1·4
	Mildenhall ...	70	53	47	0·3	Tr	4·2
	Cranwell ...	67	51	47	--	-	0·8
3	Birmingham ...	70	55	48	-	-	9·6
	Upper Heyford	68	51	40	-	-	*
4	Ross-on-Wye	66	55	49	-	-	1·1
5	Hartland Point	57	54	53	9	3	0·0
	Bristol ...	65	56	56	Tr	Tr	0·3
	Portland Bill ...	57	53	*	2	0·5	*
	Plymouth ..	61	55	55	1	Tr	0·0
	The Lizard ..	58	54	*	0·5	1	0·0
	Scilly (St. Mary's)	59	54	*	0·1	0·2	0·0
	Guernsey ...						
6	Pembroke ...	56	52	*	1	2	0·0
7	Holyhead (Valley)	62	52	50	-	-	*
	Chester (Sealand)	65	48	38	Tr	-	8·6
8	Manchester ...	65	45	38	0·3	-	*
10	Spurn Head ...	67	54	*	-	-	1·5
	Catterick (Sc)...	67	48	37	Tr	-	4·1
	Tynemouth ...	66	52	50	-	-	*
11	St. Abbs Head	62	52	*	Tr	-	*
	Leuchars ...	68	47	39	Tr	-	9·4
12	Renfrew (Abbots I.)	65	42	36	-	-	1·2
	Eskdalemuir ...	63	41	34	0·2	Tr	2·1
	Point of Ayre...	64	47	*	-	-	6·6
13A	Tiree	58	52	49	0·2	Tr	7·5
13B	Stornoway ...	58	48	41	Tr	-	0·2
15	Dalwhinnie ...	62	31	29	-	Tr	3·3
	Aberdeen † ...	58	46	38	-	-	2·8
	Wick ...	59	45	43	-	-	*
16	Sumburgh ..	54	48	44	0·1	Tr	9·2
17	Blacksod Point	63	55	*	-	1	*
18	Malin Head ...	59	51		Tr	0·1	
	Aldergrove ...	64	49	41	Tr	0·1	5·3
19	Birr Castle ...	72	57	54	-	-	2500
20	Valentia Obsy.	59	55	55	7	1	
	Roches Point	60	55		1	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 9th June — 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	02954	24327	57	02855	26327
115	54	02844	04226			
203				5-	02948	16328
206	83	02963	18125	54	01964	20124
210	53	02963	26325	53	02965	11225
219	8-	01954	19414	2-	02946	18416
230	5-	02956	20326	5-	02957	20227
245	83	02963	20227	74	01963	16114
260				53	02764	22314
278	84	02854	32227	73	02866	01127
279	83	02855	22825	53	01953	20413
285				5-	01854	20214
288	8-	02856	23226	87	05655	00027
575	80	01964	18224	13	02964	15126
301	5-	02867	24457	14	01851	25312
321	83	05564	22127	03	01790	26323
299	8-	05636	10116	8-	61647	28167
298	27	02855	23228	27	01854	22225
310	--	01636	24216			
614	75	05665	26227	23	01763	28213

01h. G.M.T. 9th June — 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02856	00026	--	44409	16349
115	55	02954	20226	54	01964	12124
203						
206	5-	02628	00018	5-	05618	24128
210						
219	57	21845	14357	57	12957	13568
230	04	00890	00002	17	02951	00015
245	50	04941	25101	5-	01961	18141
260	00	05690	20200	10	01762	00012
278	04	01890	09201	57	51933	12327
279	5-	01854	20214	50	05644	09125
285	5-	01854	20214	13	00861	26202
288	05	05690	00024	00	05690	00010
575	57	02845	16227	53	02834	18126
301	04	49490	09101	03	05590	12214
321	53	08463	24214	04	41490	28143
299	5-	05548	28128	5-	08446	28126
298	50	01753	28113	03	05690	25113
310				--	01744	26314
614	54	08455	30216	00	05590	24149

13h. G.M.T. 9th June — 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	53	02854	20327	50	02844	16325
334	--	02744	26215			
340				70	01954	32214
136	53	02745	22266	5-	02767	26227
336	53	02753	20316	52	21656	24358
850	24	02855	24325	26	02855	20215
368	5-	21628	20458	5-	57318	22458
379	5-	02645	24228	87	21734	20256
390	5-	05656	20326	20	05552	22214
382	52	02847	23328	52	21744	24258
438	--	46009	22449	--	46009	22449
430	5-	05638	21228	5-	05636	20227
409	--	57109	21359	--	46109	22349

01h. G.M.T. 9th June — 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	5-	52728	18258	5-	52428	17258
334				--	03647	20228
340	50	05654	00044	13	05653	00025
136	53	05553	26224	09	05690	20214
336						
850	--	48109	00049	53	05551	20124
368	5-	57208	20358	5-	52606	24358
379	5-	05633	22113	5-	05635	26147
390	5-	45348	20128	27	08463	28125
382	5-	05528	26228	5-	05636	26127
438	--	43009	23449	57	43435	30347
430	53	05645	26223			
409	--	57309	23349	5-	57308	23358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 9th June
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 ...	cd_0m_0c	d_0dcd_0	d_0cm_0w	Kew 24 hours ended 7h. Max. Time 0·1 22-23hrs 8th. Min. time <0·1 rest of period
Croydon ...	c	cm_0id_0	cm_0cm_0	
Greenwich ...	o	$oidm_0$	$dcocm_0$	
Camden Square	cd	c	*	
Kensington ...	opor	cpor	*	
Hampstead ...	or	pd	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 ...	63	57	49	0·1	Tr	0·0	*	*
Croydon	65	58	51	0·1	0·6	0·1	*	*
Greenwich	64	57	48	0·5	Tr	0·0	95	80
Westminster	64	57	53	0·4	*	*	98	81
Regents Park ..	*	57	49	-	0·3	*	88	75
Camden Square	64	53	50	0·3	-	*	*	74
Kensington ...	63	57	49	0·2	0·2	*		81
Hampstead ...	63	55	51	0·3	0·1	*	*	83

SECRET

Page 1 BRITISH SECTION

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

Thursday, 10th June 1943

No. 29785

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

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)	17·8	-4	NW	1	c-bc	71	55	53	7	8	4	1	7-8	7-8	4000
	Croydon	18·2	-6	WNW	1	bc	72	65	59	6	2	4	1	4-6	4-6	3000
	S. Farnborough	17·4	-8	N'W	3	c-bc	73	45	50	8	1	7	9	4-6	7-8	2500
	Boscombe Down	18·2	-6	W	3	bc	69	65	57	7	1	7	2	4-6	4-6	4000
	Thorney Island	17·9	-6	WSW	3	c-bc	71	75	61	8	2	3	-	2-3	7-8	2500
	Lympne	18·1	+4	ESE	3	zo	63	85	59	5	2	-	-	4-6	4-6	3000
	Manston	18·0	+4	NE	2	zo	66	75	59	5	1	-	6	1	4-6	4000
2	Shoeburyness	18·7	-4	E	3	zo	65	85	60	6	5	7	-	4-6	7-8	3600
	Felixstowe	18·0	+2	SSE	2	zo	61	92	57	6	5	-	-	9+	9+	5700
	Gorleston	18·1	+2	E'N	2	zo	59	85	54	6	5	7	-	4-6	7-8	1000
	Mildenhall	17·5	-2	-	0	zo	69	75	60	6	2	3	-	7-8	7-8	4000
	Cranwell	17·4	0	E	1	zo	72	65	59	6	1	3	-	4-6	7-8	3000
3	Birmingham	17·5	-2	WNW	2	c-bc	69	55	53	8	7	7	-	2-3	7-8	4000
	Upper Heyford	17·4	-6	WNW	2	c-bc	68	65	56	8	1	7	1	2-3	7-8	3000
4	Ross-on-Wye	17·8	-6	WSW	2	c	68	75	59	7	7	-	-	9	9	2500
5	Hartland Point	18·8	+4	W	3	c	57	97	57	7	5	2	-	9	10	1100
	Bristol	18·6	-10	W	3	bc	68	75	61	7	5	7	-	2-3	4-6	4000
	Portland Bill	19·0	+4	W	2	c-bc	60	92	58	8	2	4	-	4-6	7-8	4000
	Plymouth	19·4	-10	SW	3	c	60	97	59	7	5	-	-	9+	9+	800
	The Lizard	19·3	0	S'W	2	dF	60	92	58	1	5	-	-	10	10	200
	Scilly (St. Mary's)	19·1	+2	SSW	3	f+	59	97	58	3	-	-	-	10	10	<150
	Guernsey															
6	Pembroke	18·9	0	SW'S	2	c	56	97	56	7	5	-	-	10	10	2000
7	Holyhead (Valley)	18·0	+2	SSW	3	c	58	85	55	8	5	7	-	7-8	10	1000
	Chester (Sealand)	16·8	-12	S	1	bc	73	65	61	6	2	-	9	2-3	4-6	2500
8	Manchester	17·5	-6	SW	2	zo	66	65	53	6	2	7	-	1	9+	2500
10	Spurn Head	18·5	+8	E	2	zo	59	85	53	5	-	-	-	0	0	-
	Catterick (Sc)	17·0	-6	SW	1	bc	73	55	54	7	8	-	-	4-6	4-6	3000
	Tynemouth	19·0	+2	SE	3	oF	55	92	54	1	-	-	-	10	10	<150
11	St. Abbs Head	16·9	0	SE	3	F	54	97	53	1	-	-	-	10	10	<150
	Leuchars	17·0	0	SSE	3	bc	63	75	56	7	1	7	9	2-3	4-6	2500
12	Renfrew (Abbots I.)	16·5	+2	SE'S	1	c/d	61	85	56	6	5	2	-	7-8	10	1600
	Eskdalemuir	16·7	-6	SW'S	3	bc	63	65	52	8	1	3	-	2-3	4-6	3500
	Point of Ayre	16·5	-4	SE	6	b-bc	61	85	55	8	5	3	4	Tr	2-3	1000
13A	Tiree	14·5	+2	SE'S	5	c	56	92	54	8	5	7	-	4-6	10	3500
13B	Stornoway	13·2	0	SE	2	c	57	92	55	8	7	2	-	7-8	9+	2000
15	Dalwhinnie	15·0	-2	SSW	3	c	68	65	56	8	7	-	-	9	9	4000
	Aberdeen	17·6	+2	SE'S	3	bcjf	58	75	51	6	5	-	-	4-6	4-6	200
	Wick	16·0	-2	SE'S	3	zo	56	85	53	7	-	-	-	0	0	-
16	Sumburgh	18·0	+2	SSE	4	f	52	97	52	2	-	-	-	10	10	<150
17	Blacksod Point	12·6	-2	S	5	DD	58	97	57	6	-	2	-	10	10	800
18	Malin Head	12·6	+2	W	3	c-bc	68	75	60	8	5	-	-	7-8	7-8	2500
	Aldergrove	15·1	0	SE'S	2	zo	68	85	62	6	8	-	6	4-6	9+	1800
19	Birr Castle	14·4	-2	SSE	2	c	67	75	59	8	5	-	-	7-8	9+	2500
20	Valentia Obsy.	14·3	+4	S	5	ro	58	97	57	6	5	-	-	10	10	450
	Roches Point	16·7	-6	SSW	3	c	58	92	56	7	5	-	-	9+	9+	300

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

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)	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)	17·1	-2	N	1	c	72	55	55	7	8	-	-	9+	9+	4000	1	*
Croydon	17·9	0	NW	2	c/pr	72	65	55	6	5	4	-	4-6	9	3500	1	*
S. Farnborough	17·1	-2	N	2	c-bc	73	55	56	8	7	7	9	4-6	7-8	3000	0	*
Boscombe Down	17·8	-2	W	2	b	71	65	59	7	1	-	-	Tr	Tr	3000	0	*
Thorney Island	17·3	-4	SW'W	3	b-bc	72	75	62	8	1	4	-	2-3	2-3	2500	0	*
Lympne	17·9	+2	SSE	2	zo	67	75	59	6	1	-	9	4-6	7-8	3000	0	§ 1
Manston	18·1	+6	E	1	zo	58	92	56	6	5	3	8	4-6	9	3000	0	*
Shoeburyness	18·8	+4	ENE	2	f+	68	97	57	3	-	-	-	10	10	<150	0	*
Felixstowe	18·4	+2	E	2	zo	59	85	55	6	5	-	-	4-6	4-6	5700	0	1
Gorleston	18·6	0	E'N	1	zo	58	92	55	6	-	3	-	0	2-3	-	0	2
Mildenhall	17·6	+4	ESE	4	c	66	85	61	7	2	-	-	9	9	4000	0	*
Cranwell	17·8	+4	E'S	3	zo	63	85	59	6	-	6	-	0	4-6	-	0	*
Birmingham	16·8	-2	NW	1	c	70	65	58	8	8	-	-	9+	9+	4000	1	*
Upper Heyford	17·1	0	NNW	1	c-bc	71	65	58	8	2	7	-	7-8	7-8	4000	0	*
Ross-on-Wye	17·3	-4	E	2	c-bc	71	75	64	7	7	-	9	7-8	7-8	3000	1	*
Hartland Point	18·6	-4	WNW	2	c	57	92	56	8	5	-	-	9+	9+	1400	1	2
Bristol	18·5	-2	W	3	b-bc	66	75	59	8	1	-	9	Tr	2-3	4000	0	*
Portland Bill	18·3	-6	W	2	bc	59	92	57	8	2	-	-	4-6	4-6	4000	1	2
Plymouth	19·6	-2	SW	3	zo	57	97	57	6	5	-	-	10	10	400	0	1
The Lizard	19·2	-6	-	0	of+	58	97	57	2	5	-	-	10	10	400	1	3
Scilly (St. Mary's)	19·4	-2	SSW	2	ido	57	97	56	6	5	-	-	10	10	200	1	3
Guernsey																	
Pembroke	19·2	0	SW	2	c	56	92	54	8	5	-	-	10	10	2000	1	2
Holyhead (Valley)	17·9	-2	SSW	5	c	59	85	54	8	5	3	1	4-6	9	2000	1	3
Chester (Sealand)	16·9	-2	NW'N	3	bc	66	85	59	7	8	-	2	2-3	4-6	3500	0	*
Manchester	16·8	-6	-	0	bc	73	55	56	8	2	3	-	2-3	4-6	2500	3	*
Spurn Head	18·8	+2	SE'E	4	F+	55	97	54	1	-	-	-	10	10	<150	0	3
Catterick (Sc)	17·3	+2	S	2	zo	66	85	61	5	5	-	-	10	10	1500	0	*
Tynemouth	19·0	0	SE	3	F	53	97	53	1	-	-	-	10	10	<150	0	2
St. Abbs Head	16·4	-2	SE	4	F	53	97	53	1	-	-	-	10	10	<150	0	3
Leuchars	17·5	-4	NE	2	c/r	57	85	53	6	5	7	-	4-6	10	500	0	*
Renfrew (Abbots I.)	15·8	-8	SW	1	zo	67	75	59	6	5	7	2	4-6	9+	2000	1	*
Eskdalemuir	17·1	0	S	1	c-bc	63	75	56	7	5	3	-	4-6	7-8	2400	0	
Point of Ayre	16·8	-2	ENE	1	c-bc	57	92	54	8	5	3	4	1	7-8	1500	0	* 1
Tiree	13·6	-10	S	2	ido	55	97	55	6	5	2	-	9	10	200	1	3
Stornoway	13·8	+2	S	3	c	60	92	57	8	5	2	-	7-8	10	900	0	2
Dalwhinnie	15·0	+6	S	3	c	60	85	54	6	5	4	-	9	9+	1500	1	
Aberdeen	17·8	0	SSE	3	dodo	53	97	52	3	-	-	-	10	10	<150	0	* 2
Wick	15·8	-2	SE	3	zo	53	97	52	4	5	-	-	10	10	100	0	-
Sumburgh	18·7	+2	SSE	4	zo	52	92	50	5	5	-	-	10	10	200	0	* 3
Blacksod Point	11·9	-2	S	5	id	58	97	57	8	6	2	-	4-6	10	1500	2	4
Malin Head	12·5	-10	NE'E	1	bc	61	85	56	8	2	-	9	4-6	4-6	2500	1	1
Aldergrove	14·5	-6	SE	3	c	67	75	59	6	8	7	2	2-3	9	1800	1	*
Birr Castle	14·1	-2	S	2	c	64	85	59	8	8	7	-	7-8	9+	1500	0	*
Valentia Obsy.	14·3	-2	SE	5	dodo	57	97	56	4	5	-	-	10	10	450	1	5
Roches Point	16·2	-4	S'W	3	f	56	97	55	3	-	-	-	10	10	<150	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 9th (39)	13h.—18h. 9th (40)	18h. 9th to 1h. 10th (41)	1h.—7h. 10th (42)
London (Kew)	cmowcy	cbccy	cycbcw	bczow
Croydon	cmbcmo	bczo	bmbmw	bfwbmcmo
S. Farnborough	cmcbc	bcy	bcbbcbmo	bcmwpfpmo
Boscombe Down	cdmoc	bcbcyb	bbcbbmo	bmcm
Thorney Island	cbc	cbc	bmbcmob	Ffddfw
Lympne	cmmz	bccmozo	bff	bfFmo
Manston	bcmozo	bczobfjfmo	cmjfocf	cfof
Shoeburyness	cmczo	czof	fcm	cm
Felixstowe	cm	cmobcmo	bmbfe	bfeofcmo
Gorleston	czo	czobcb	bbczowoff	offeczo
Mildenhall	bcm=	bczobcc	bcmbm	ofw
Cranwell	bcmobc	bccbcbzo	bcmocmor	cmcfcmo
Birmingham	bcc	cbcc	c	cm
Upper Heyford	cmowbcc	bcy	cbcw	cmf
Ross-on-Wye	cc	cc	cbc	bwbcc
Hartland Point	FFec	cbcc	FFec	offe
Bristol	cmoc	cbcb	bmbcmo	bcmocmofw
Portland Bill	c	c	cc	off
Plymouth	cmoc	bcb	cmo	cFF
The Lizard	dfFd	odffe	oiffc	pFfe
Scilly (St. Mary's)	oidf	idoifc	cidoc	coiroFf
Guernsey				
Pembroke	ifid	c	Fe	offroro
Holyhead (Valley)	cbcc	c	c	cirmo
Chester (Sealand)	bcczo	bczocbc	cbcmo	cm
Manchester	cid	czocy	bcycmff	ffbcm
Spurn Head	bm	f	omo	of
Catterick (Sc)	bczoybcy	bcyczo	cmocm	cmfido
Tynemouth	bmobcoFF	oFF	offiromo	omo
St. Abbs Head	bcmoF	F	FcmF	Fcm
Leuchars	bybbc	bcmocmoro	rocmocmcmo	cmocirom
Renfrew (Abbots I.)	cmoirodododcm	cmo	cmirocmo	cmirrrcm
Eskdalemuir	cbc	ocprc	cm	rromo
Point of Ayre	cb	bbcc	c	ciro
Tiree	cddmoc	ciridomo	cRRmcirc	ccircRc
Stornoway	cidoc	ccirmoc	cddiror	crroid
Dalwhinnie		ciro		ciroo
Aberdeen	Fbcjf	bcjfoffido	ffido	ffomcmo
Wick	Fb	bcmo	omcmoomo	cmoff
Sumburgh	fe	omo	como	omo
Blacksod Point	d	d	d	bc
Malin Head	b	c	pr	r
Aldergrove	cbcmo	cmoccmo	cmocidomo	cidmromcmo
Birr Castle	c	pr	•	r
Valentia Obsy.	r	r	r	bc
Roches Point	f	d	d	d

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

Districts	Forecast
1 S.E. England	Light east to southeast breeze; mainly cloudy; some local coast fog; rather close.
2 E. England	Light east to southeast wind; cloudy or dull; much coast fog spreading inland at night but conditions probably improving tomorrow; cool on the coast.
3 E. Midlands	As 1
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Light rather variable to southwest wind; cloudy to overcast; Some thundery rains; Some coast and coastal hill fog; close
9 N. Midlands	Light variable breeze; cloudy; some occasional thundery rain later; close.
10 N.E. England, 11 S.E. Scotland	As 2.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Wind light variable becoming southwest later; overcast with rain at times with a chance of some thunderstorms; becoming fair tomorrow; becoming somewhat cooler.
15 N.E. Scotland, 16 Orkneys and Shetlands	Light to moderate southeast wind; overcast, fog at times, rain at times later; rather cool.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Light to moderate southwest wind; fair with some bright periods rather warm.

GENERAL INFERENCE

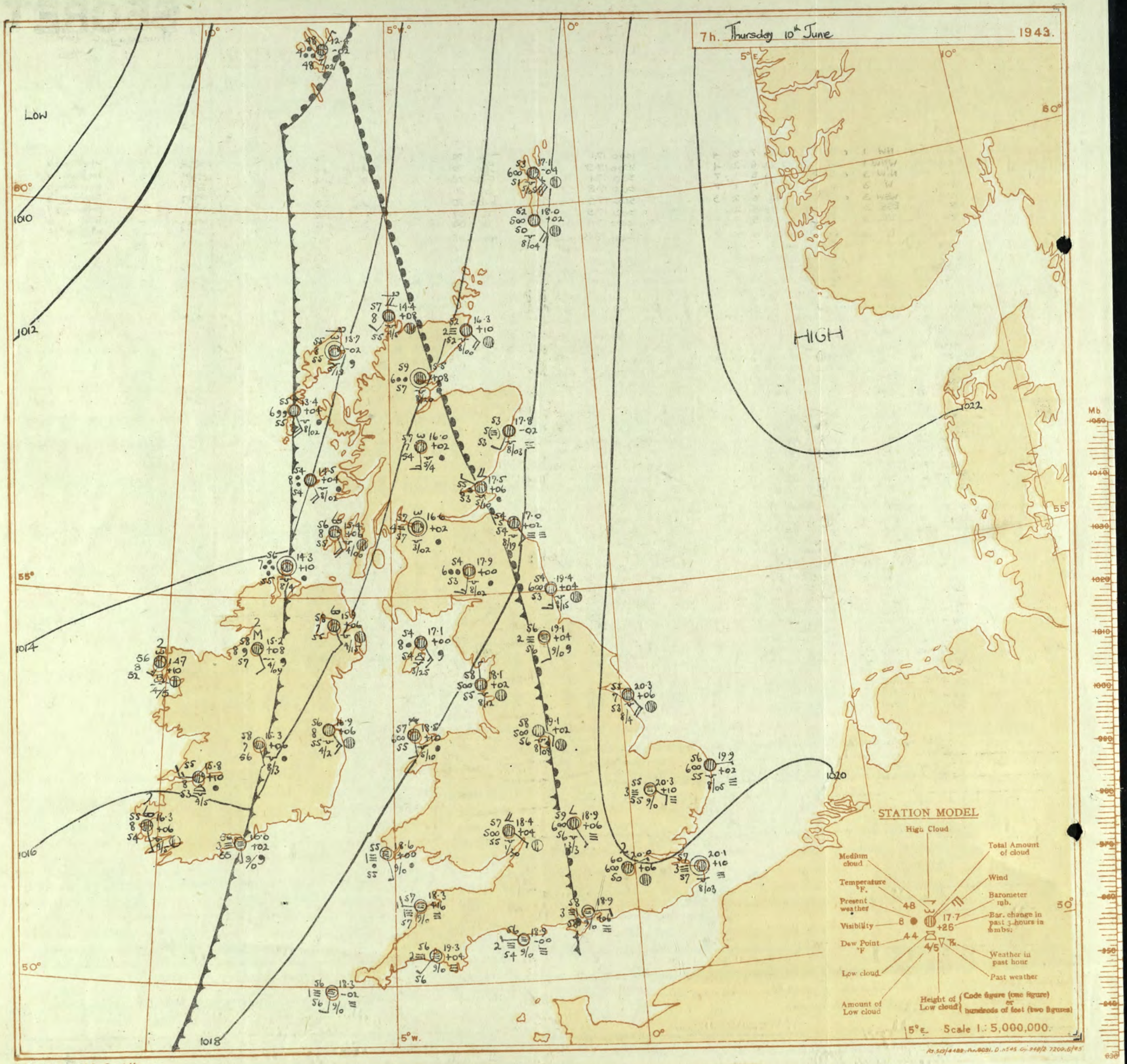
Pressure is low in the Icelandic area and a shallow trough of low pressure over the Irish Sea is moving very slowly eastward and will give some thundery rains in many western districts of Great Britain but conditions will gradually improve in the extreme northwest. In eastern districts weather will be mainly cloudy with a risk of scattered local thunderstorms. Coastal fog will be very prevalent.

FURTHER OUTLOOK

A tendency to thundery conditions is the most probable development.

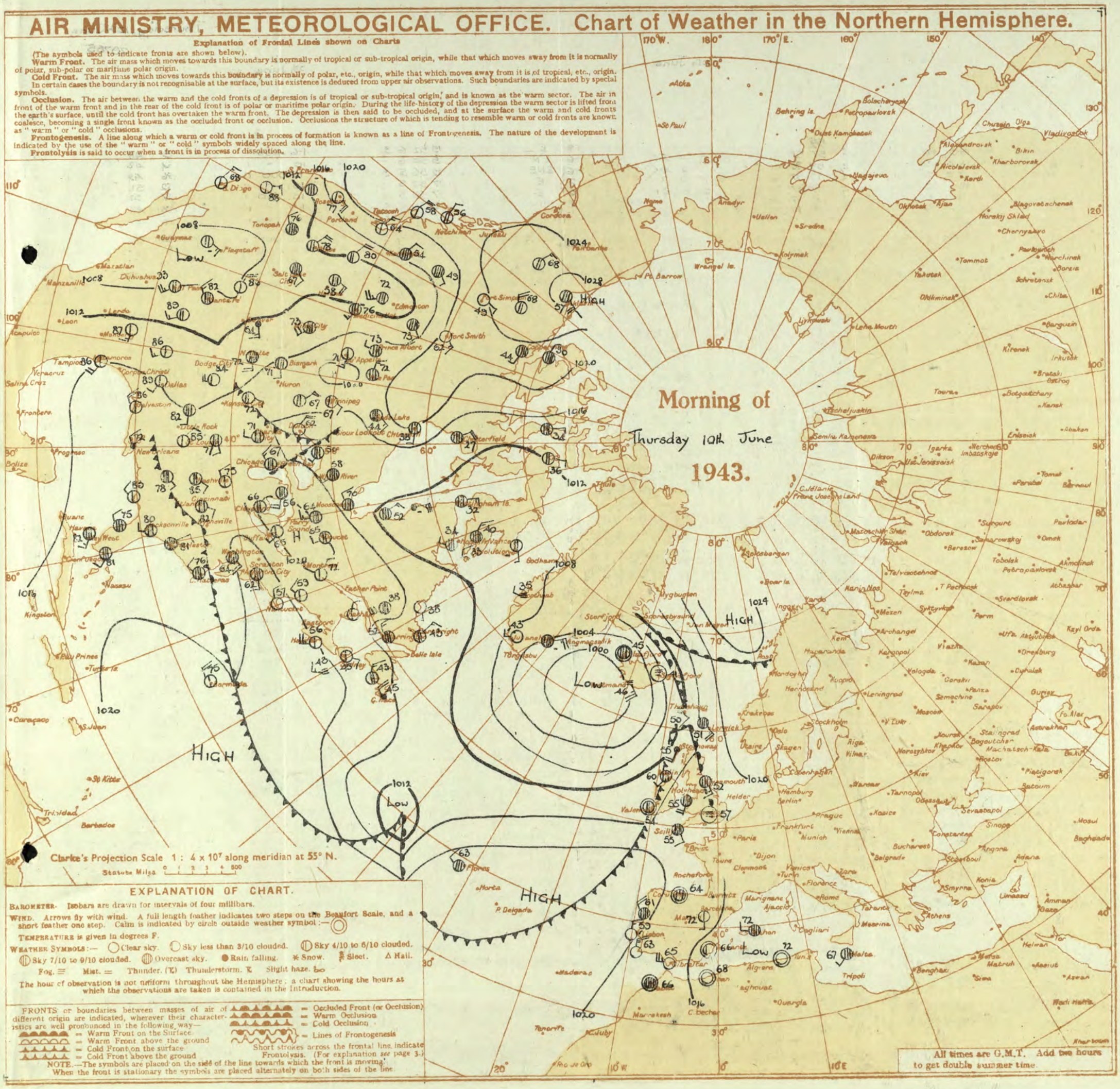
Forecasts issued at 1030

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday, 10th June 1943

No. 29785

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

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon	290	19·3	+6	-	0	b-bf	57	97	57	3	-	4	-	0	2-3	-
	S. Farnborough	226	18·4	+2	E	1	zo	59	92	56	5	-	4	-	0	4-6	-
	Boscombe Down	417	18·5	-2	NW'N	1	zo	55	97	54	6	-	7	-	0	1	-
	Thorney Island	10	18·1	-2	WNW	2	zo	59	97	58	6	-	3	2	0	4-6	-
	Lympne	283	19·5	+6	NW	1	bf	51	97	51	3	5	-	-	1	1	1000
	Manston	154	19·0	+2	-	0	cf	52	97	52	2	5	-	-	9	9	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19·2	0	SE	2	bf+	54	97	54	2	-	-	-	0	0	-
	Gorleston	5	19·9	+4	NE'N	1	bF+	54	97	54	1	-	-	-	0	0	-
	Mildenhall	15	19·3	+2	E'S	3	zo	54	97	54	5	-	4	-	0	2-3	-
	Cranwell	203	18·8	0	SE'S	3	zo	58	97	58	6	5	7	-	2-3	10	700
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·8	0	E	1	c	61	92	58	6	5	4	7	Tr	9	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·8	-6	-	0	c/F	56	97	56	5	5	1	-	9+	10	800
	Bristol	209	18·8	-2	-	0	zo	54	97	53	6	-	-	6	0	4-6	-
	Portland Bill	32	19·2	-4	W	2	c-bc	56	92	54	7	5	-	-	7-8	7-8	4000
	Plymouth	82	19·0	-2	SW	2	zo	56	97	56	6	5	2	-	9	10	1000
	The Lizard	240	18·5	-2	S	2	oF+	54	97	54	1	5	-	-	10	10	100
	Scilly (St. Mary's)	163	18·4	+6	S'E	2	c	55	97	55	7	5	-	-	10	10	1000
	Guernsey	175															
6	Pembroke	142	18·3	0	S	2	F	54	97	54	1	-	-	-	10	10	<150
7	Holyhead (Valley)	32	17·6	-2	S	4	zo	55	97	54	6	5	-	-	10	10	600
	Chester (Sealand)	16	17·6	0	-	0	c	58	92	55	6	5	-	-	9+	9+	2500
8	Manchester	235	17·6	+2	-	0	cf	57	97	55	3	5	7	1	7-8	10	2500
10	Spurn Head	29	20·0	+4	SE	4	zo	54	97	53	6	7	-	-	10	10	1500
	Catterick (Sc)	192	18·9	+6	S	2	m	56	92	55	4	5	-	-	10	10	1000
	Tynemouth	108	19·1	+2	SSE	3	zo	52	97	51	5	5	-	-	10	10	1500
11	St. Abbs Head	280	16·4	-2	SE	4	F+	51	97	51	1	-	-	-	10	10	<150
	Leuchars	36	17·1	0	-	0	zo	54	85	53	6	5	7	-	7-8	9	3000
12	Renfrew (Abbots I.)	19	16·3	+4	-	0	c/r	57	97	57	5	5	7	-	9	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17·1	+4	-	0	iro	54	97	52	8	5	1	-	7-8	10	1500
13A	Tiree	44	14·5	+6	S	3	c	53	97	53	6	5	-	-	9	9+	1500
13B	Stornoway	15	13·2	0	S	4	roro	55	97	55	6	5	2	-	7-8	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	17·6	+2	S	4	f	52	97	52	3	-	-	-	10	10	<150
	Wick	114	15·6	-2	SE	4	zo	51	97	51	6	5	-	-	10	10	300
16	Sumburgh	19	18·0	-4	SSE	4	zo	50	97	50	5	5	-	-	10	10	300
17	Blacksod Point	18	13·1	+6	SSW	1	b-bc	52	97	51	8	9	-	-	2-3	2-3	1500
18	Malin Head	84	13·4	+2	SSW	1	c	60	85	55	8	5	-	-	9+	9+	2500
	Aldergrove	268	15·2	+6	SSE	1	ido	59	92	57	5	5	2	-	7-8	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·7	+6	-	0	bc	54	97	53	8	5	-	-	4-6	4-6	2500
	Roches Point	22	15·7	-4	S	4	c	55	97	54	7	5	-	-	10	10	800

OBSERVATIONS at 7 hr. G.M.T. 10th June — 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 9th Hrs. (38)
London (Kew)	19·3	+8	E	2	zo	60	75	52	6	5	-	6	2-3	4-6	4000	1	*	74	55	48	-	-	2·5
Croydon	20·0	+6	E'N	1	zo	60	65	50	6	-	-	6	0	10	-	1	*	74	54	48	Tr	-	5·2
S. Farnborough	19·2	+6	ENE	2	o/f	58	92	56	5	5	-	-	10	10	300	0	*	76	56	49	-	Tr	8·7
Boscombe Down	18·8	-2	E	1	z	59	97	57	5	-	2	-	0	10	-	0	*	73	52	51	Tr	-	9·5
Thorney Island	18·9	+6	E	2	zf-	58	97	58	3	-	-	-	10	10	<150	1	*	75	57	51	-	Tr	*
Lympne	19·9	+8	NNW	1	bcjf	56	92	54	6	-	-	4	0	4-6	-	0	§	70	48	47	-	-	5·3
Manston	20·1	+10	-	0	of	57	97	57	3	5	-	-	10	10	300	0	*	67	50	48	-	-	9·1
Shoeburyness	19·8	+6	ENE	1	m	57	97	56	4	5	-	-	10	10	800	0	*	70	54	52	-	-	6·2
Felixstowe	19·9	+4	E	2	bc	58	97	58	6	1	3	1	4-6	4-6	1500	0	1	65	51	49	-	-	2·4
Gorleston	19·9	+2	E	1	zo	56	97	55	6	5	-	-	10	10	500	0	2	59	54	51	-	-	5·0
Mildenhall	20·3	+10	ESE	2	fo	55	97	55	3	-	-	-	10	10	<150	0	*	74	53	53	-	Tr	10·7
Cranwell	19·7	+10	SSE	3	zo	57	97	55	5	5	-	9	9	10	5000	1	*	73	53	54	-	Tr	7·3
Birmingham	18·8	+2	SE	1	zo	59	92	57	5	-	2	-	0	9+	-	1	*	71	58	51	-	-	2·2
Upper Heyford	18·9	+6	SSE	1	zo	59	92	56	6	5	1	-	2-3	10	800	0	*	72	56	49	-	-	*
Ross-on-Wye	18·4	+4	SE	1	z	57	97	55	5	5	2	-	Tr	10	3000	1	*	73	54	49	-	-	1·8
Hartland Point	18·3	+16	W	2	F+	57	97	57	1	-	-	-	10	10	<150	1	2	60	56	55	0·3	Tr	1·9
Bristol	19·3	+6	WNW	1	of	57	97	57	5	5	-	-	10	10	300	0	*	79	51	48	-	-	6·7
Portland Bill	18·9	0	W	1	f	56	92	54	2	5	-	-	10	10	<150	1	3	60	54	*	-	-	*
Plymouth	19·3	+4	SW	1	f-	56	97	56	2	-	-	-	10	10	<150	0	1	61	57	49	-	-	3·8
The Lizard	17·7	+4	-	0	of-	54	97	54	3	5	-	-	10	10	200	1	3	61	54	*	Tr	0·5	0·9
Scilly (St. Mary's)	18·3	-2	S'W	2	F	56	97	56	1	-	-	-	10	10	<150	1	3	61	54	*	0·1	Tr	1·3
Guernsey																							
Pembroke	18·6	0	S'E	1	rF	55	97	55	1	-	-	-	10	10	<150	1	2	57	52	*	Tr	2	0·0
Holyhead (Valley)	18·5	+10	S'E	2	Zo	57	97	55	6	5	6	-	7-8	10	1000	1	2	62	54	52	-	0·4	*
Chester (Sealand)	17·9	+10	-	0	m	58	92	57	4	5	-	-	10	10	2800	0	*	74	56	52	-	-	7·3
Manchester	17·9	+4	-	0	m	59	97	59	4	-	7	-	0	10	-	0	*	(75)	54	51	0·1	-	*
Spurn Head	20·3	+6	SE	4	c	55	97	53	7	5	-	-	10	10	1500	0	3	59	53	*	-	-	7·1
Catterick (Sc)	19·1	+4	SSE	2	f	56	97	56	2	-	-	-	10	10	<150	0	*	75	55	37	-	-	8·1
Tynemouth	19·4	+4	S	3	zo	54	97	53	6	5	-	-	10	10	1500	0	3	60	52	52	-	Tr	*
St. Abbs Head	17·0	+2	SSE	2	o/f	54	97	54	5	5	-	-	10	10	1900	0	3	63	50	*	-	-	*
Leuchars	17·5	+6	NW	1	iro	56	92	53	6	5	2	-	7-8	10	1000	0	*	67	53	49	Tr	Tr	10·3
Renfrew (Abbots I.)	16·6	+2	-	0	m	57	97	57	4	5	3	-	2-3	9+	2000	1	*	67	56	50	Tr	0·6	2·5
Eskdalemuir	17·9	0	SSW	3	roro	54	97	53	6	5	-	-	10	10	200	1	*	65	53	54	1	0·2	4·6
Point of Ayre	17·1	0	SE'S	3	iro	54	97	54	8	8	7	-	2-3	10	2500	1	3	66	50	*	-	0·4	5·9
Tiree	14·5	+4	SSE	4	ir	54	97	54	8	5	-	-	10	10	200	1	4	57	53	52	2	11	0·2
Stornoway	13·7	-2	-	0	c	55	97	55	8	5	3	2	7-8	9	1800	1	1	62	52	53	Tr	7	0·5
Dalwhinnie	16·0	+2	S	3	c	57	85	54	7	5	3	-	7-8	10	1500	1	*	69	55	53	-	0·2	5·7
Aberdeen †	17·8	-2	SSW	2	cjf	53	97	53	5	5	-	-	10	10	300	0	2	62	51	51	Tr	Tr	9·3
Wick	16·3	+10	SE	4	f	52	97	52	2	5	-	-	10	10	<150	0	*	59	51	50	-	-	*
Sumburgh	18·0	-2	SSE	4	Zo	52	92	50	5	5	-	-	10	10	400	0	3	52	50	47	Tr	-	0·2
Blacksod Point	14·7	+10	SSW	3	c-bc	56	85	51	8	9	3	6	4-6	7-8	2500	1	3	59	51	*	5	1	*
Malin Head	14·3	+10	-	0	RR	56	97	55	7	5	-	-	10	10	1500	1	1	70	54		Tr	3	4·4
Aldergrove	15·9	+6	S'E	2	c-bc	58	92	55	7	5	7	-	4-6	7-8	1500	1	*	70	55	54	-	0·6	5·2
Birr Castle	15·3	+6	S	1	c	58	92	56	7	5	-	-	10	10	800	1	*	69	56	53	Tr	3	3·5
Valentia Obsy.	16·3	+6	SSE	1	c	55	97	54	8	5	7	4	4-6	9	2500	1	2	61	49	43	2	10	0·1
Roches Point	16·0	+2	S	2	f	56	97	55	3	-	-	-	10	10	<150	1	3	59	55		0·2	0·6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 9th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 10th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	00	05690	48501	--	48403	48443	--	48209	49449	--	44309	16349
115				52	02844	20127	52	02444	16126	52	02854	20222
203				53	02845	162--				53	51845	16227
206	74	01874	12324	57	51855	00027	5-	61666	00066	5-	62658	00068
210	57	02863	06213	53	02866	24318	53	05663	12113	02	62758	15861
219	5-	52625	15558	52	51616	14358	5-	51728	17468	5-	52628	15468
230	5-	21748	00068	53	05757	14127	52	62745	16168	67	02833	00067
245	--	48309	14349	--	46109	12249	5-	05528	12158	5-	05528	00058
260	03	05690	32316	57	02755	04127	5-	08458	00048	5-	62448	00068
278	52	02737	13458	57	02845	14327	5-	03848	14438	6-	47009	16449
279	57	05--5	22228	73	05654	22356	5-	01748	20228	62	22635	22268
285	23	02855	14416							--	46109	12349
288	1-	01754	02244	80	05655	14215	85	05656	00016	57	05645	16228
575	53	02844	16227	27	02854	17327	5-	02744	18224	68	51834	16256
301	57	05644	00025	04	05690	28321	07	05690	00023	5-	05548	32128
321	26	05664	08215				52	05655	10268	57	05633	12327
[illegible]	--	46109	04149	--	44209	12249	--	48009	16449	--	46009	16349
[illegible]	20	05664	14114	52	02654	08318	5-	05538	09128	5-	05538	12228
310	--	02636	24316							--	46109	10149
614	2-	05664	05124	07	05690	00026	5-	08465	0612	03	08490	10114
388	5-	51628	18358	5-	02845	17327	5-	05644	18127	62	62726	14268
334	--	02645	26216				--	04537	00028			
340	70	01854	22115	84	01854	18214	53	08463	00024	--	46209	21249
136	20	05663	30213	23	01761	08312	--	44309	12349	5-	43228	12248
336	53	01753	24215	13	01753	20315	.			53	02753	20317
350	1-	05655	20125	59	05664	00026	07	05590	14313	04	05690	10214
368	5-	05635	24228	50	01743	24113	5-	05638	00028	5-	05538	02128
379				53	02845	26315	07	05690	24214	57	41525	14148
390	27	05664	28127	2-	05565	12226	6-	47328	00028	5-	43328	10248
382	13	02864	26225	47	01864	26124	07	05690	00015	5-	08438	14128
438	83	02754	24315	86	01754	22314	--	48009	04349			
430	13	02753	20214				03	05690	08112	--	43309	08249
409	5-	02847	28127	5-	02728	28128	5-	05628	15228	--	05614	10227

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 June. 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	emwcy	cycbcw	bczw
Croydon	cmbcm	bmbmwcz	bfwbm
Greenwich	cmc	cbcycm	cpcm
Camden Square	c	bc	*
Kensington	bczbc	bc	*
Hampstead	bc	b	b

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·4 Time 21-24 9th. Min. Time <0·1

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	74	55	48	-	-	4·0	*	*
Croydon	74	54	48	Tr	-	5·2	*	*
Greenwich	73	53	46	-	Tr	2·9	53	82
Westminster	76	57	54		—		51	84
Regents Park		56	49	-	-		47	83
Camden Square	78	56	52	-	-	*	*	81
Kensington	75	56	51	-	-		54	83
Hampstead	73	54	49	-	-		*	95

SECRET

Page 1 BRITISH SECTION

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

Friday 11th June 1943

No. 29786

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·2	+2	SE'E	2	c	72	65	58	7	8	9	–	2-3	9+	4000
	Croydon	20·7	+2	E	1	c	71	75	59	7	2	3	–	4-6	9	3000
	S. Farnborough	20·4	+6	SSW	2	c	68	75	60	7	5	7	–	4-6	10	1800
	Boscombe Down	19·6	0	SE	2	zo	69	75	60	6	5	7	–	4-6	9+	1000
	Thorney Island	20·3	+2	E	2	zo	62	85	58	6	5	–	–	10	10	600
	Lympne	20·8	+2	SE	3	bcjp	66	75	56	7	1	–	4	2-3	4-6	3500
	Manston	21·3	+6	E	2	bybc	67	55	51	7	1	3	6	Tr	2-3	1200
2	Shoeburyness	21·2	-2	E	3	bc	67	75	58	7	–	4	–	0	4-6	–
	Felixstowe	21·3	+2	E'N	1	ebc	65	75	56	7	–	–	6	0	7-8	–
	Gorleston	21·8	+10	ESE	2	zo	61	85	55	6	–	–	6	0	4-6	–
	Mildenhall	20·3	-2	SSE	3	c	73	55	56	8	1	3	1	7-8	9	4000
	Cranwell	19·8	-2	SSE	3	c	68	75	60	7	5	7	2	4-6	9+	6000
3	Birmingham	19·0	0	SSE	3	c	68	75	60	8	8	7	–	4-6	10	2500
	Upper Heyford	19·5	0	S	2	c/r	67	75	58	6	5	1	–	4-6	10	2500
4	Ross-on-Wye	18·2	0	S'W	2	zo	69	75	60	6	7	3	–	7-8	9+	3000
5	Hartland Point	18·5	+6	NW	2	c/f	60	92	58	5	5	4	–	9	9	400
	Bristol	19·0	-2	SE	2	ebc	72	65	60	8	2	7	9	2-3	7-8	2500
	Portland Bill	19·8	+6	SE	2	f-	57	92	55	3	5	–	–	10	10	<150
	Plymouth	19·4	0	SW	1	c/r	59	92	59	6	5	2	–	9+	10	400
	The Lizard	18·5	0	–	0	cf	59	97	59	1	5	–	–	10	10	400
	Scilly (St. Mary's)	18·9	+4	WSW	2	m/f	59	92	56	4	5	–	–	10	10	200
	Guernsey															
6	Pembroke	19·0	+4	SW	1	cjf	57	97	56	7	5	–	–	10	10	2000
7	Holyhead (Valley)	18·6	+2	SW'S	2	c	59	85	56	8	5	7	–	7-8	10	2000
	Chester (Sealand)	17·7	-8	S'W	2	c	69	75	59	6	5	2	–	7-8	10	3000
8	Manchester	18·4	-2	S'E	3	zo	68	75	60	6	5	3	–	2-3	9+	5000
10	Spurn Head	20·9	0	SE	4	m/f	56	92	56	4	5	–	–	10	10	1500
	Catterick (Sc)	19·3	+2	SSE	2	zo	64	85	58	5	5	2	–	7-8	10	800
	Tynemouth	19·9	0	SSE	3	zo	55	92	52	6	5	–	–	9+	9+	1800
11	St. Abbs Head	17·6	-2	SE	3	iro	57	97	56	5	5	2	–	7-8	10	1500
	Leuchars	17·7	-4	E	1	c/r	64	85	58	6	5	7	–	7-8	9	2400
12	Renfrew (Abbots I.)	17·4	+6	S	2	c	68	75	58	8	5	–	–	9+	9+	2500
	Eskdalemuir	18·1	0	SE	1	zo	59	92	56	6	5	–	–	10	10	400
	Point of Ayre	18·3	+6	S'W	2	c	60	85	56	8	8	7	–	4-6	10	2500
13A	Tiree	16·7	+10	SW	2	c	57	85	53	8	5	7	–	7-8	9+	2000
13B	Stornoway	15·1	+8	S	3	c/r	59	92	56	8	7	–	–	9+	9+	1200
15	Dalwhinnie	17·0	+4	SE	4	c	60	85	53	7	5	–	–	9+	9+	1500
	Aberdeen	18·5	+2	SSE	3	m/r	55	92	53	4	5	–	–	10	10	450
	Wick	17·1	+4	SSE	2	iro	56	85	53	6	5	7	–	7-8	9+	300
16	Sumburgh	19·0	+6	SSE	3	df	51	97	61	3	5	–	–	10	10	<150
17	Blacksod Point	16·5	+10	SW	3	c	61	85	56	8	8	–	6	4-6	9	1500
18	Malin Head	16·2	+10	NNW	2	Gbc	56	85	51	8	5	–	2	4-6	7-8	1500
	Aldergrove	16·5	+2	S'E	2	c	62	85	57	8	5	2	–	7-8	10	2200
19	Birr Castle	16·8	+4	SSW	1	c	67	65	55	8	8	–	3	7-8	9	1500
20	Valentia Obsy.	18·0	+6	W	3	bc	60	85	55	8	2	–	3	4-6	4-6	2500
	Roches Point	17·6	+4	S'W	3	bc	60	85	55	8	2	–	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	19·7	+2	S'W	2	c	67	75	59	7	8	9	6	4-6	10	4000	1	*
Croydon	20·4	+2	S'E	2	c	67	75	57	7	4	3	–	7-8	9+	5000	0	*
S. Farnborough	19·7	-2	S'W	2	c	69	65	55	7	–	7	4	0	9	–	0	*
Boscombe Down	15·2	-2	SE	2	c	66	85	59	7	2	7	–	1	9	2500	0	*
Thorney Island	20·2	-2	SSE	1	cjf	60	92	58	6	5	7	–	7-8	9	1500	0	*
Lympne	20·7	0	E	2	c	64	65	53	7	–	–	4	0	9	–	0	3
Manston	20·8	-2	E	2	c	63	65	53	7	–	–	2	0	9	–	0	*
Shoeburyness	21·0	0	E'S	2	zo	62	75	53	6	–	–	2	0	7-8	–	0	*
Felixstowe	21·0	-2	ENE	1	c	62	75	55	8	–	–	6	0	9	–	0	1
Gorleston	20·8	-12	ESE	1	bc	60	85	53	7	–	–	8	0	4-6	–	0	2
Mildenhall	20·2	+2	SE'S	3	c	69	55	52	8	–	5	2	0	9+	–	0	*
Cranwell	19·1	-2	S'W	3	c	70	65	58	7	4	7	9	2-3	9+	3000	0	*
Birmingham	18·3	0	SSE	3	c	69	75	61	8	8	7	–	4-6	9+	2500	1	*
Upper Heyford	18·9	-6	SSE	2	zo	69	75	59	6	5	7	–	Tr	9+	2500	0	*
Ross-on-Wye	18·1	-4	W'S	2	zo	68	85	61	6	1	3	–	1	9+	3000	1	*
Hartland Point	18·8	+2	WSW	2	c	57	97	56	7	5	2	–	7-8	10	1000	1	2
Bristol	19·1	+2	S'W	3	c/r	69	75	61	8	5	3	–	9	9+	6300	0	*
Portland Bill	19·6	+4	E	2	F	57	92	54	1	5	–	–	10	10	<150	1	3
Plymouth	19·3	-4	SW	1	zo	58	92	56	6	5	–	–	10	10	1000	1	1
The Lizard	19·0	0	SE	1	jf	59	97	59	5	5	–	–	10	10	600	1	3
Scilly (St. Mary's)	19·4	+2	NW'N	3	d/f	58	92	56	7	5	–	–	10	10	300	1	3
Guernsey																	
Pembroke	19·1	0	–	0	cjf	57	92	54	7	2	3	1	4-6	9+	2500	1	3
Holyhead (Valley)	18·5	-2	SSW	1	Gbc	57	85	53	8	5	7	6	4-6	7-8	5000	1	1
Chester (Sealand)	18·4	+6	NW'N	3	ct	60	92	57	6	8	7	–	7-8	10	2500	0	*
Manchester	17·9	-2	SSE	3	zo	69	75	61	6	2	3	–	1	9	3000	0	*
Spurn Head	21·1	-4	SE	4	Gbc	61	75	53	7	7	3	–	4-6	7-8	1500	0	3
Catterick (Sc)	18·6	-4	S	1	zo	67	75	61	5	6	7	–	2-3	9+	1500	0	*
Tynemouth	19·6	-6	SSE	3	zo	55	92	52	6	5	–	–	9	9	1700	0	2
St. Abbs Head	17·6	0	SSW	1	c/tlr	61	97	61	5	5	–	–	10	10	1500	1	3
Leuchars	17·2	-6	–	0	zo	64	75	57	6	–	7	–	0	9	–	0	*
Renfrew (Abbots I.)	17·1	-6	S	2	c	66	75	57	7	7	7	–	4-6	9+	2000	1	*
Eskdalemuir	18·0	0	S'W	1	pr	61	85	58	6	5	–	–	10	10	300	1	*
Point of Ayre	18·0	-2	–	0	c	57	92	54	8	–	9	–	0	9+	–	0	1
Tiree	17·3	-2	SE'S	2	c	67	85	54	9	5	9	–	4-6	9	4000	1	2
Stornoway	16·6	+14	SSW	2	Gbc	59	85	55	8	8	3	9	4-6	7-8	2200	1	2
Dalwhinnie	17·0	-2	SE	4	c	62	75	53	7	5	1	–	9+	9+	2500	0	
Aberdeen	18·0	-4	SSE	3	cjf	54	97	53	4	5	3	–	9	10	200	0	2
Wick	16·8	-2	NW	1	zo	59	92	57	6	5	3	–	7-8	9+	600	0	*
Sumburgh	18·8	0	SSE	4	f	51	97	51	2	5	1	–	10	10	<150	0	2
Blacksod Point	17·5	+2	SW	3	c	59	75	51	8	8	5	9	4-6	9	2500	1	3
Malin Head	16·9	0	E'N	2	c	56	75	48	8	5	–	–	9	9	2500	1	2
Aldergrove	16·6	-2	S	1	c	61	85	58	8	8	7	–	4-6	9+	2000	1	*
Birr Castle	17·0	0	WNW	2	bc	66	65	54	8	4	–	4	4-6	4-6	1500	1	*
Valentia Obsy.	18·7	+2	SW	3	c	58	75	50	8	2	–	6	4-6	9	2500	1	2
Roches Point	17·7	0	S'W	1	bc	64	85	59	8	2	–	5	1	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 10th (39)	Weather 13h.—18h. 10th (40)	Weather 18h. 10th to 1h. 11th (41)	Weather 1h.—7h. 11th (42)
London (Kew)	bcczowc	cyc	cmow	cbc
Croydon	cmoczy	c	bcmocm	bcmwcm
S. Farnborough	pcromoc	czoc	ccmou	cirocbccm
Boscombe Down	cmcmo	czo cbcc	ccmo	cmcw
Thorney Island	cmomcmo	cjf	c	cm
Lympne	bjfmob	bccyc	bcbm	bcmwb
Manston	bjczo	bbccyc	cbccm	cbcm
Shoeburyness	pmcmobc	cmoc	cmbcm	bcm
Felixstowe	bcmobc	bccmoc	cbcbmw	bmwb
Gorleston	pjbczo	bc	bcbzw	bbc
Mildenhall	pjmocy	cy	cbccm	cmc,b
Cranwell	cmoc	cmoc	cbccm	cmbcm
Birmingham	c	c	ctpr	cir
Upper Heyford	cmociro	czo	cmcm	cm
Ross-on-Wye	czo	c	cbc	ccpc
Hartland Point	FFec	crc	cmo	FFc
Bristol	pmocmoc	cciro	crrcm	cmcmrr
Portland Bill	pff	off	oc	o
Plymouth	cmo	crrcmo	oddf	omom
The Lizard	FFe	ffeo	ifFf	oFfo
Scilly (St. Mary's)	roF if	cif	cw	cbcwc
Guernsey				
Pembroke	cif	c	ofc	cw
Holyhead (Valley)	ciromoc	c	c	cmjf
Chester (Sealand)	cmzo	czoiro	rrtmr	cm
Manchester	ciromozo	cirozo	tlprr	cmm
Spurn Head	of	c	omo	czo
Catterick (Sc)	of cmcmo	cmoiromo	ctlrm	cmm
Tynemouth	ocmo	cmo	coirm	oircm
St. Abbs Head	cmoir	ciro ctlr	cmrtl	cpgc
Leuchars	cromociro	cmo	cmrr	cmrrcm
Renfrew (Abbots I.)	cmcmo	cprocprocc	cprcm	cm
Eskdalemuir	roromoo	omopro	omrorc	omc
Point of Ayre	iroc	c	rorc	c
Tiree	cirdoc	c	cbo	ofFid
Stornoway	ciroro	circbc	cbcc	bcbcw
Dalwhinnie	oc	coc		cmir
Aberdeen	ffifiro	omirocm	omimrom	omcmjf
Wick	ciromo	ciromocmo	circ	cirddf
Sumburgh	oefdf	pfe	frf	oFirof
Blacksod Point	bc	c	bc	c
Malin Head	r	bc	bc	f
Aldergrove	ccidoc	cctroc	cmbcm	cmfcm
Birr Castle	c	bc		c
Valentia Obsy.	bc	bc	c	r
Roches Point	f	bc	c	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light south wind becoming moderate; bright intervals; local thundery showers and thunderstorms; very warm becoming cooler.
5 S.W. England; 6 South Wales	Moderate south wind veering south west: occasional rain at first, bright intervals and local showers later; cooler.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh south wind, strong locally veering southwest; rain at first, bright intervals and showers later; cooler
16 Orkneys and Shetlands; 17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	

GENERAL INFERENCE

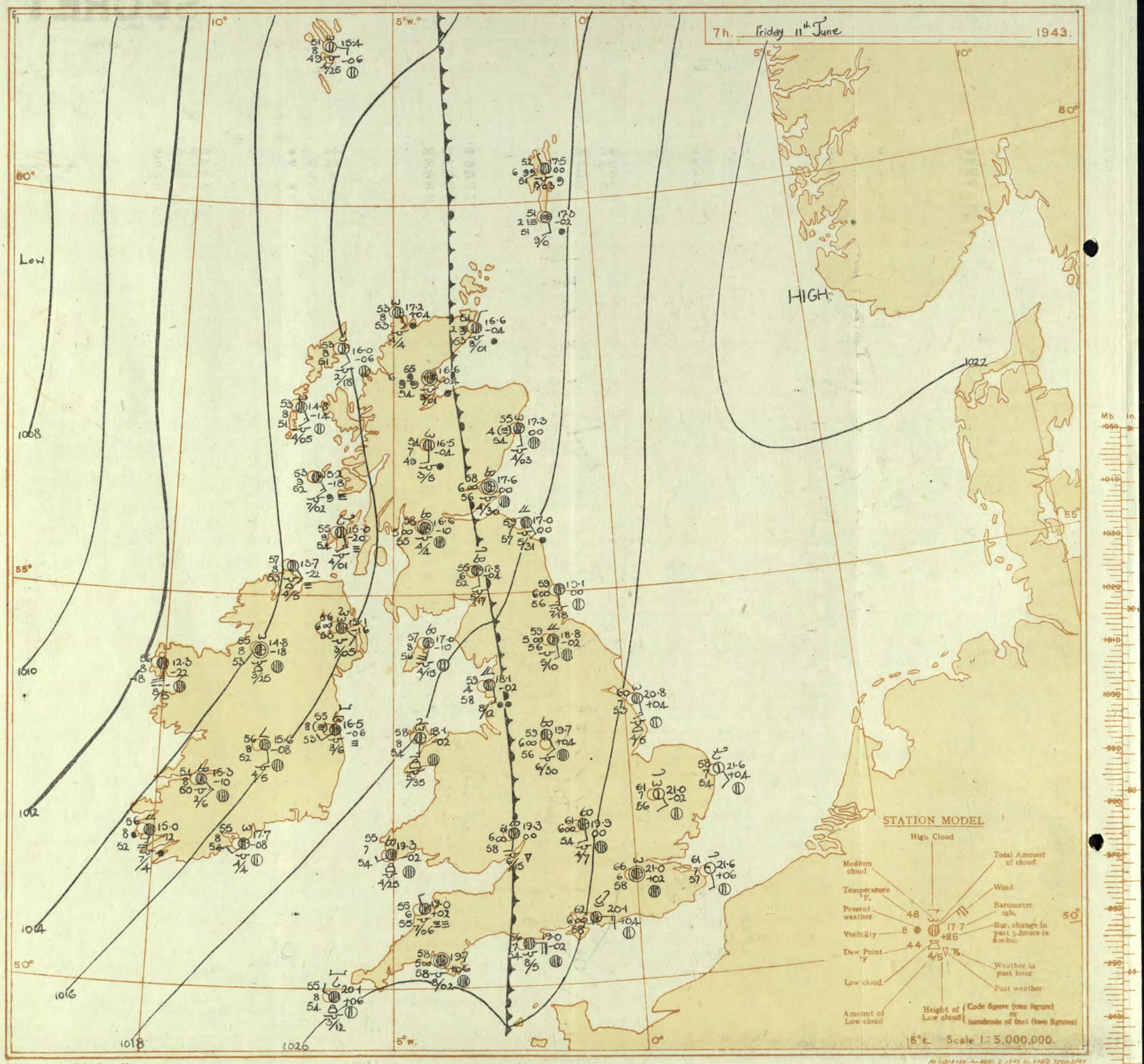
A feeble trough over Great Britain is moving East. A deepening depression north west of Ireland is moving northeast. There will be local thundery showers or thunderstorms at first in England with bright intervals. There will be some rain in the North and West spreading north east followed by bright intervals and showers.

FURTHER OUTLOOK

Bright intervals and showers in the North. Fair in the South.

Forecasts issued at 1030

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



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

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

Explanation of Frontal Lines shown on Charts

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

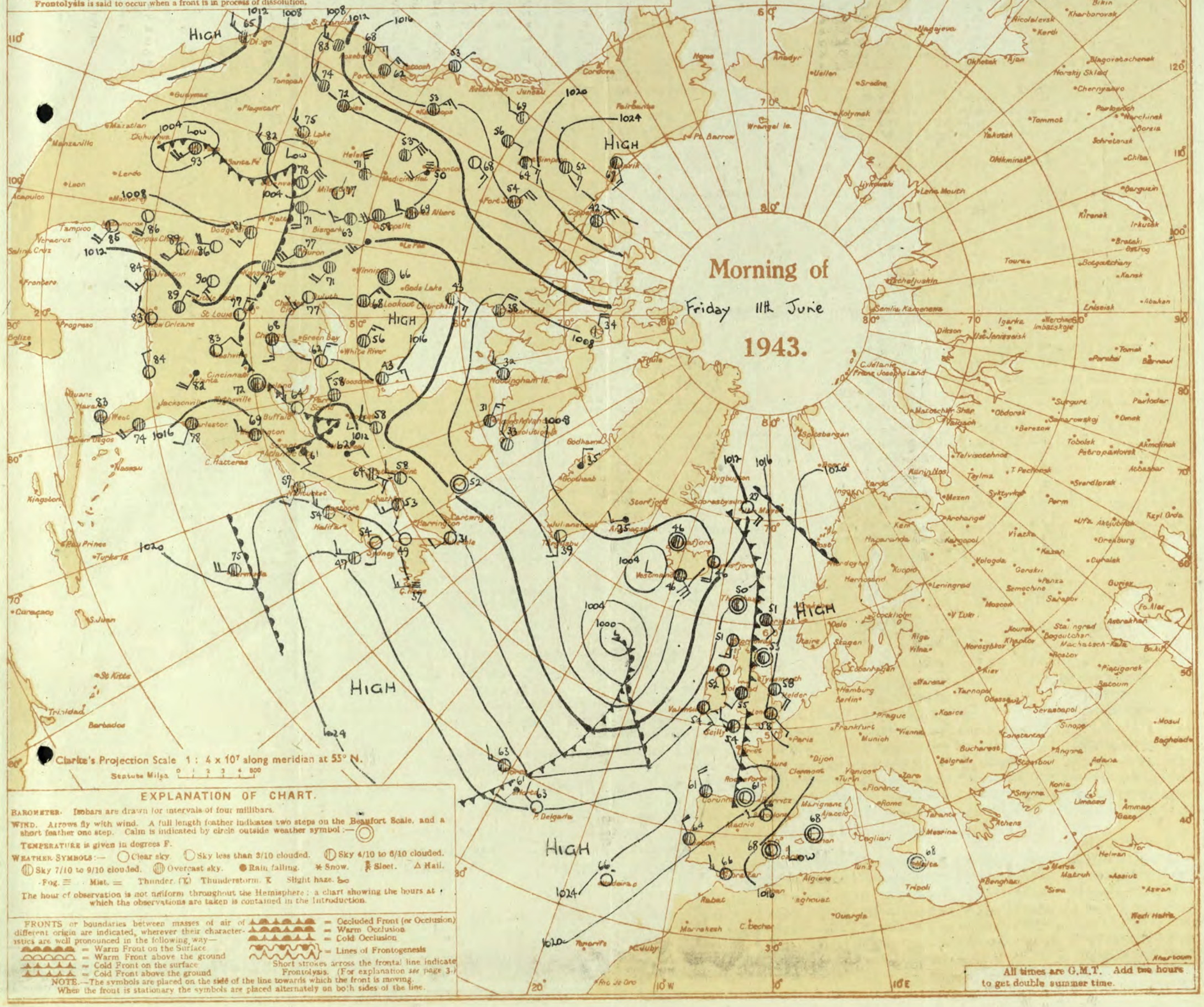
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 11th June 1943

No. 29786

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

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	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon	290	21·5	+2	SE	1	z_o	58	85	54	5	-	7	-	0	9+	-
	S. Farnborough	226	20·5	-2	SE'E	2	ir_o	59	85	53	6	-	7	-	0	7-8	-
	Boscombe Down	417	20·6	+4	S'E	2	z_o	57	92	55	6	-	3	-	0	9+	-
	Thorney Island	10	20·3	-2	E	2	c-bc	58	85	54	7	-	4	-	0	7-8	-
	Lympne	283	21·5	+2	ESE	2	b-bc	56	85	52	6	-	-	2	0	2-3	-
	Manston	154	21·3	+4	ESE	1	z_o	54	92	52	6	-	4	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21·2	-2	ENE	2	z_o	55	85	50	6	-	7	-	0	1	-
	Gorleston	5	21·4	+4	SE'E	1	b	56	92	53	7	-	-	-	0	0	-
	Mildenhall	15	21·4	+6	SSE	2	z_o	56	92	54	6	5	3	-	7-8	10	6000
	Cranwell	203	20·3	0	SSE	3	z_o	57	92	55	6	-	7	-	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	+6	SSE	2	z_o	60	85	54	6	5	-	-	10	10	5600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·9	-6	S	2	c	57	97	56	7	5	1	-	7-8	9+	1500
	Bristol	209	20·0	+2	-	0	z_o	60	97	55	6	5	-	-	9+	9+	2700
	Portland Bill	32	20·0	+2	E	3	o	56	92	54	7	5	-	-	10	10	2500
=	Plymouth	82	19·9	-2	-	0	o/f	57	97	57	4	5	-	-	10	10	200
	The Lizard	240	19·3	0	W	2	of	55	97	55	3	5	-	-	10	10	200
	Scilly (St. Mary's)	163	20·1	+2	NW	2	c	54	97	54	7	8	-	-	9	9	1200
	Guernsey	175															
6	Pembroke	142	19·5	+2	SW'S	2	c	55	97	54	7	5	-	-	9+	9+	1500
7	Holyhead (Valley)	32	18·6	+4	SSW	2	z_o	55	97	54	6	5	7	-	7-8	10	1900
	Chester (Sealand)	16	19·0	0	-	0	c	58	97	57	5	5	2	-	7-8	10	3000
8	Manchester	235	19·0	+2	-	0	y/pr	57	97	57	4	2	-	-	9	9	2500
10	Spurn Head	29	20·8	+4	SE	4	o	58	85	55	6	5	-	-	10	10	1500
	Catterick (Sc)	192	18·8	+2	-	0	r/tlr	59	92	58	4	5	-	-	10	10	1000
	Tynemouth	108	19·4	-2	S	3	ir_o	55	85	49	6	-	2	-	10	10	1500
11	St. Abbs Head	280	17·4	-6	SW	1	z_o	60	97	60	5	5	-	-	10	10	1500
	Leuchars	36	18·0	-2	-	0	r_or_o	56	97	56	5	5	2	-	9	10	1500
12	Renfrew (Abbots I.)	19	17·8	-2	-	0	z_o	55	97	56	6	5	2	-	7-8	10	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18·4	0	S'E	2	c	53	97	52	8	6	4	-	4-6	9+	3500
13A	Tiree	44	17·2	-4	SSW	2	c-bc	53	92	52	8	5	3	-	7-8	7-8	3000
13B	Stornoway	15	17·5	+2	S	3	bc	51	97	50	8	5	4	2	4-6	4-6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·3	-6	-	0	m	53	97	53	4	5	-	-	10	10	500
	Wick	114	17·5	-6	NW	4	o/r	53	97	52	7	5	-	-	10	10	1500
16	Sumburgh	19	18·5	-2	SSE	3	F	50	97	50	1	5	-	-	10	10	<150
17	Blacksod Point	18	16·4	-6	SSW	3	bc	54	85	49	8	8	-	2	2-3	4-6	2500
18	Malin Head	84	17·2	-2	S	1	bc	52	85	47	8	1	-	-	4-6	4-6	2500
	Aldergrove	268	17·5	0	-	0	z_o	53	97	51	5	5	-	-	10	10	1000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·7	-8	SSE	3	c	54	92	53	8	5	7	-	4-6	9	1500
	Roches Point	22	18·5	+4	W'N	1	b-bc	56	92	54	8	5	4	-	1	2·3	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20·8	0	-	0	z_o	63	85	57	6	5	3	1	7-8	7-8	4000	1	*
Croydon	21·0	+2	-	0	c	66	75	58	6	-	3	-	0	9	-	1	*
S. Farnborough	20·6	+2	SE	2	z_o	58	85	56	6	7	7	9	2-3	9	5700	0	*
Boscombe Down	19·8	-6	ESE	2	c_o	60	85	56	7	-	3	-	0	9	-	0	*
Thorney Island	20·1	+4	E	3	z_o	62	85	58	6	-	9	4	0	7-8	-	0	*
Lympne	21·5	+4	SSE	1	b_o	64	75	56	7	-	-	1	0	1	-	0	§1
Manston	21·6	+6	SSE	1	b	61	85	57	7	-	-	1	0	Tr	-	0	*
Shoeburyness	21·1	+2	E'S	1	z_o	62	85	58	6	-	-	1	0	1	-	0	*
Felixstowe	21·3	+6	SSE	1	b	62	85	58	7	-	-	1	0	Tr	-	0	1
Gorleston	21·6	+4	SE	2	b-bc	58	85	54	7	-	4	1	0	2-3	-	0	3
Mildenhall	21·0	-2	SE'S	2	b-bc	61	85	56	7	-	3	1	0	2-3	-	0	*
Cranwell	20·2	+2	S'W	4	z_o	61	85	57	6	5	7	-	2-3	9+	3000	0	*
Birmingham	19·7	0	SSE	3	ir_o	60	92	58	5	6	7	-	2-3	9	1500	1	*
Upper Heyford	19·9	0	SSE	2	z_o	61	75	54	6	5	7	6	4-6	9	5700	0	*
Ross-on-Wye	19·3	0	S'W	2	z_o	61	92	58	6	5	7	-	9	10	1500	1	*
Hartland Point	19·0	+2	NW	1	c/f	55	97	55	6	5	-	-	9+	9+	600	1	2
Bristol	19·9	-2	SSE	1	c/r	57	97	56	6	5	7	-	9	9+	4000	1	*
Portland Bill	19·0	-2	E	4	o	56	92	54	7	5	-	-	10	10	2500	1	3
Plymouth	19·7	+6	-	0	z_o	58	97	58	5	5	-	-	10	10	200	1	1
The Lizard	19·3	0	NW	3	o	56	97	56	8	5	-	-	9+	9+	1000	1	3
Scilly (St. Mary's)	20·1	+6	WNW	2	c	55	97	54	8	8	4	7	2-3	10	1200	1	2
Guernsey																	
Pembroke	19·3	-2	SW'W	1	c	55	97	54	7	8	7	-	4-6	10	2500	1	2
Holyhead (Valley)	18·1	-2	S	3	c	58	85	54	8	8	3	5	7-8	9	3500	1	2
Chester (Sealand)	18·1	-2	S'W	1	m	59	92	58	4	5	3	-	2-3	7-8	3500	1	*
Manchester	18·5	0	SSE	3	z_o	63	85	59	8	8	3	5	7-8	9	3500	1	*
Spurn Head	20·8	+4	SSE	3	c-bc	60	85	53	7	7	3	-	4-6	7-8	2500	0	3
Catterick (Sc)	18·8	-2	SSE	1	z_o	59	92	56	5	5	2	-	7-8	10	1000	1	*
Tynemouth	19·1	0	S	3	z_o	59	92	56	6	5	-	-	9+	9+	1800	1	2
St. Abbs Head	17·0	0	SE	1	c	59	92	57	7	5	2	-	7-8	10	3100	1	2
Leuchars	17·6	0	-	0	z_o	58	97	56	6	5	7	-	4-6	9	3000	1	*
Renfrew (Abbots I.)	16·6	-10	-	0	z_o	58	92	55	5	5	7	-	4-6	9+	1200	1	*
Eskdalemuir	17·8	-4	S	2	c	55	92	52	6	5	7	1	7-8	9+	1700	1	*
Point of Ayre	17·0	-10	S'W	4	c	57	92	56	8	5	7	-	4-6	9+	1500	0	2
Tiree	15·2	-18	SE'S	3	c/f	53	97	52	9	5	-	-	9+	9+	200	1	2
Stornoway	16·0	-6	SE	2	bc	53	92	51	8	5	4	9	1	4-6	1800	1	1
Dalwhinnie	16·5	-4	S	2	c-bc	54	85	49	7	5	5	-	2-3	7-8	2500	1	*
Aberdeen †	17·3	0	S'E	1	ajf	55	97	54	4	5	3	-	4-6	9+	300	1 -	2
Wick	16·6	-4	NNE	1	df	54	92	53	2	5	-	-	10	10	100	1	*
Sumburgh	17·3	-2	SSE	2	f	51	97	51	2	-	-	-	10	10	<150	1	1
Blacksod Point	12·3	-22	S'E	5	c	56	75	48	8	6	-	-	10	10	2500	1	*
Malin Head	13·7	-22	SE	1	c-bc	57	85	53	8	7	-	-	4-6	7-8	2500	1	1
Aldergrove	15·1	-16	E'S	2	z_o	56	85	53	6	5	3	9	2-3	9	500	1	*
Birr Castle	15·6	-8	SSE	1	c	56	85	52	8	5	1	-	4-6	10	2500	0	*
Valentia Obsy.	15·0	-12	S	5	ir_o	56	85	52	8	5	2	-	9+	10	1500	1	3
Roches Point	17·7	-8	SW	2	c	55	97	54	8	5	3	-	4-6	9	1500	1	3*

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 10th Hrs. (38)
London (Kew)	75	55	44	-	-	2·3
Croydon	74	55	47	-	Tr	2·0
S. Farnborough	70	58	44	-	Tr	1·5
Boscombe Down	71	54	53	-	Tr	1·7
Thorney Island	63	56	50	-	-	*
Lympne	68	54	45	-	-	13·6
Manston	65	53	52	Tr	-	9·9
Shoeburyness	67	57	53	-	-	10·4
Felixstowe	70	55	47	-	-	12·[illegible]
Gorleston	61	56	48	-	-	8·[illegible]
Mildenhall	74	69	52	-	Tr	8·3
Cranwell	71	55	54	-	-	1·3
Birmingham	70	59	56	-	0·6	0·1
Upper Heyford	71	58	50	0·1	-	*
Ross-on-Wye	71	59	57	-	0·5	0·4
Hartland Point	61	55	55	1	0·3	0·5
Bristol	73	57	55	Tr	2	2·6
Portland Bill	57	52	*	-	-	*
Plymouth	65	56	56	0·4	0·2	0·8
The Lizard	60	54	*	Tr	Tr	0·0
Scilly (St. Mary's)	61	51	*	Tr	-	0·8
Guernsey						
Pembroke	60	53	*	-	Tr	0·8
Holyhead (Valley)	63	54	52	Tr	-	*
Chester (Sealand)	72	57	52	Tr	5	0·1
Manchester	71	54	52	Tr	-	*
Spurn Head	61	56	*	-	-	2·1
Catterick (Sc)	68	57	56	Tr	3	0·0
Tynemouth	56	53	52	-	0·5	*
St. Abbs Head	61	55	*	3	3	*
Leuchars	68	54	48	Tr	5	0·7
Renfrew (Abbots I.)	68	55	52	0·2	0·1	2·6
Eskdalemuir	62	51	52	Tr	0·6	0·0
Point of Ayre	62	57	*	0·3	1	0·6
Tiree	60	50	45	4	0·1	2·8
Stornoway	60	60	39	3	-	4·2
Dalwhinnie	65	51	49	-	1	1·6
Aberdeen †	55	52	50	Tr	0·1	0·0
Wick	61	52	52	Tr	1	*
Sumburgh	52	50	50	Tr	0·2	0·0
Blacksod Point	61	51	*	-	-	*
Malin Head	57	58		0·5	-	4·9
Aldergrove	63	50	46	0·4	-	1·7
Birr Castle	69	52	48	-	-	9·3
Valentia Obsy.	62	53	50	-	0·1	7·2
Roches Point	64	52		Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 11th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	61528	16368	5-	05537	18227	5-	51428	00048	5-	22638	00068
115	52	02835	20268	52	33844	28327	54	02854	20286	53	02844	12166
203	5-	93848	16328				5-	02956	16126			
206	86	02864	08365				52	62545	00068	5-	54608	00068
210				57	10864	14117	02	62568	28168	52	05544	06128
219	57	02854	18365	5-	02855	18327	5-	02844	17327	53	02824	13315
230	52	02846	12268	52	64604	20268	5-	41758	00068	83	09756	00046
245	5-	62418	09168	5-	05627	06367	5-	05528	00048	5-	05555	00027
260	52	05654	00027	57	05654	23168	52	05554	00068	53	05665	00027
278	57	02837	14358	57	02856	17367	5-	02748	14288	52	02837	14158
279				57	02745	20268	54	05664	16124	57	05665	12127
285	5-	61528	06348							5-	61428	10468
288	52	05645	12228	57	02764	14328	57	91664	12298	57	05664	17326
575	86	02854	26115	26	02853	28326	53	01854	00015	73	02853	00026
301	57	22555	24168	57	05655	29327	47	05553	28128	02	22448	14168
321	57	05653	14327	53	05675	12126	57	05674	14327	53	05664	15367
[illegible]	--	44109	16349	5-	05657	14327	5-	05658	14328	5-	01754	16215
[illegible]	57	05645	14328	57	05654	13328	57	05552	13228	57	05546	14227
310	--	02428	08228							--	03428	20348
614	57	05664	10128	67	05671	14267	08	05590	16228	5-	05567	15227
338	23	02744	14367	5-	02747	20327	5-	05627	16228	53	02854	18437
334	--	02646	26117							--	02646	26217
340	73	05675	15447	87	05663	18327	57	02465	30128	51	[illegible]	15348
136	16	02763	1834[illegible]	03	02780	12327	03	05690	12216	04	01790	14314
336	57	25754	1638[illegible]	53	02754	16316				57	02754	24228
350	17	05663	143[illegible]	07	05690	14327	57	05674	11225	53	[illegible]	[illegible]
368	5-	22644	16127	53	05665	16127	5-	52438	00058			
379	57	05525	16348	07	22690	14367				57	61665	14266
390	13	05661		17	02761	10227	07	05590	12228	03	05690	-4101
382	51	05644	14328	53	02765	14327						
438	--	46009	00049	53	02664	04216	54	01753	04514	04	05690	12313
430	5-	05638	08328				5-	05677	07127	57	05563	06114
409	5-	02847	17327	5-	52618	28258	--	57109	00059	57	05624	27228

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 11th June
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	bczwc	cycmə	cbc
Croydon	cmczy	bcmcm	bcmbcm
Greenwich	cpc	c	bcbcy⊕
Camden Square	c	cbc	*
Kensington	bcz	bczbc	*
Hampstead	c	bc	bc

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

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	75	65	44	-	-	2·3	*	*
Croydon	74	65	47	-	Tr	2·0	*	*
Greenwich	73	53	41	0·3	-	1·6	58	54
Westminster	74	59	-	—			53	63
Regents Park	75	57	51	-	-		49	57
Camden Square	75	57	50	-	-	*	*	59
Kensington	75	56	47	-	-		75	57
Hampstead	71	55	49	-	-		*	61

Page 1 BRITISH SECTION

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

SECRET

Saturday 12th June 1943

No. 29787

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	19·1	-6	SW	3	c	71	65	57	7	-	-	6	0	9+	-
	Croydon	20·0	-6	S'E	3	c	76	45	56	7	-	-	6	0	9+	-
	S. Farnborough	18·9	-8	SW	3	zo	75	55	60	7	1	5	6	Tr	9	3000
	Boscombe Down	18·4	-6	SE'S	3	cbc	73	65	60	7	5	7	-	2-3	7-8	3000
	Thorney Island	19·8	-2	S'E	2	c	66	75	58	7	-	3	6	0	9	-
	Lympne	21·0	-4	ESE	3	bc	70	55	55	7	-	-	9	0	4-6	-
	Manston	21·0	-2	SSE	3	c	72	55	55	7	-	-	2	0	9	-
2	Shoeburyness	20·3	-16	SE	3	bc	74	55	59	7	-	7	9	0	4-6	-
	Felixstowe	20·8	-6	SE'E	2	cbc	69	75	61	8	-	3	6	0	7-8	-
	Gorleston	20·4	-12	SSE	3	bc	61	85	57	7	2	-	1	1	4-6	2500
	Mildenhall	19·2	-10	S	3	cbc	77	45	55	8	1	3	1	2-3	7-8	4000
	Cranwell	18·5	-10	SW	4	c	73	65	66	7	1	7	-	Tr	9+	3500
3	Birmingham	20·5	-2	SSE	2	c	64	75	56	7	5	7	-	7-8	10	2500
	Upper Heyford	18·4	-14	SW	2	zo	72	65	59	6	5	7	-	7-8	10	5700
4	Ross-on-Wye	18·1	-4	SWW	3	zo	67	75	60	6	5	7	-	9+	10	2000
5	Hartland Point	19·3	+4	W	4	c	57	85	53	8	5	4	6	4-6	9+	1000
	Bristol	19·0	-2	WSW	2	zo	71	75	64	6	5	7	-	7-8	9+	2600
	Portland Bill	18·9	0	W	2	c	60	92	58	7	2	4	-	4-6	9	4000
	Plymouth	20·0	-2	WSW	3	c	62	85	56	8	5	7	-	7-8	9+	1800
	The Lizard	20·6	+4	WNW	3	bc	55	85	53	8	5	6	-	4-6	4-6	2000
	Scilly (St. Mary's)	20·4	0	SW'W	3	cbc	61	85	55	8	8	4	3	7-8	7-8	1000
	Guernsey															
6	Pembroke	19·5	0	SW'W	3	c	58	85	53	8	2	7	-	4-6	10	2500
7	Holyhead (Valley)	17·8	-2	SSW	5	c	58	85	54	8	8	7	-	2-3	9+	2500
	Chester (Sealand)	16·8	-6	SW	2	c	69	75	59	8	5	2	-	7-8	10	2500
8	Manchester	17·9	+6	S'E	3	zo	63	85	60	6	5	2	-	7-8	10	1500
10	Spurn Head	18·9	-14	S'E	4	zo	61	55	45	6	5	2	-	4-6	10	2500
	Catterick (Sc)	17·7	-2	S	3	zo	65	85	61	5	3	7	-	9	9+	1000
	Tynemouth	17·8	-10	S	5	c/pr	63	92	61	6	2	-	-	7-8	9+	2000
11	St. Abbs Head	15·1	-10	S	1	c/pr	59	85	56	6	5	2	-	7-8	10	3000
	Leuchars	14·5	-18	SE	4	zo	65	75	58	6	5	2	-	7-8	10	3000
12	Renfrew (Abbots I.)	14·2	-6	SSE	3	c	63	75	55	7	5	2	-	7-8	10	1400
	Eskdalemuir	15·5	-6	SSW	4	c	59	85	53	7	5	7	-	4-6	10	1800
	Point of Ayre	16·2	-6	SW'S	3	c	63	75	54	8	4	7	7	Tr	10	1800
13A	Tiree	11·6	-14	SSE	4	c/r	54	87	54	7	5	2	-	4-6	10	200
13B	Stornoway	10·4	-30	NE	2	iro	55	92	54	7	5	2	-	2-3	10	3000
15	Dalwhinnie	14·0	-14	S	4	c	59	75	51	7	5	2	-	7-8	10	1500
	Aberdeen	14·9	-8	S'E	3	cjf	61	85	55	6	5	7	-	4-6	10	3000
	Wick	14·0	-14	SSE	1	cjf	56	92	54	6	5	7	9	7-8	9	600
16	Sumburgh	14·9	-14	SSE	3	zo	55	85	50	6	5	3	7	4-6	10	600
17	Blacksod Point	10·0	+6	SW'S	6	bc/r	59	75	51	8	8	-	-	4-6	4-6	1500
18	Malin Head	10·7	-12	S	4	c	58	85	54	8	5	-	-	10	10	2500
	Aldergrove	13·6	-4	SW	2	c/pr	60	65	50	8	8	7	-	4-6	10	1000
19	Birr Castle	14·0	-4	NW	3	c	58	75	50	8	8	2	-	4-6	10	1500
20	Valentia Obsy.	14·8	+18	WSW	4	c	59	75	51	8	1	7	-	1	9+	2500
	Roches Point	16·0	-6	SSW	5	dd	56	97	55	5	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 11th June — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 11th (39)	Weather 13h.–18h. 11th (40)	Weather 18h. 11th to 1h. 12th (41)	Weather 1h.–7h. 12th (42)
1	London (Kew)	17·8	-4	SSW	3	c	68	75	59	7	5	8	7	4-6	10	4000	1	*	cmobcc	cyc	ccm	cbcc
	Croydon	19·1	-2	S	2	c	72	55	56	8	5	4	6	2-3	10	6000	1	*	c	cj	cycz	czyc
	S. Farnborough	17·9	-2	SW	2	zo	71	75	69	6	5	7	7	4-6	9+	4000	0	*	cmozobcczy	czoyzo	czyzrozyc	cmcbc
	Boscombe Down	18·3	+2	WSW	2	c	62	85	56	7	5	-	-	10	10	2500	0	*	croczobc	bcc	c	cbc
	Thorney Island	18·4	-10	SSW	2	c	63	85	59	6	5	3	2	4-6	9	2500	0	*	c	cmo	cmc	cidc
	Lympne	19·4	-8	SSE	2	c	64	75	55	7	-	1	7	0	10	-	0	§1	bbcmocy	bccyc	cmiro	circm
	Manston	18·7	-14	SE'S	2	c	64	65	53	7	-	-	7	0	10	-	0	*	bbccy	cybcc	ccz	cirbcmz
2	Shoeburyness	18·7	-20	S'E	3	c	70	75	60	7	-	1	-	0	10	-	0	*	bcmowbc	bcyc	c	c
	Felixstowe	18·9	-14	SE'E	3	c	63	85	57	7	-	2	6	0	10	-	0	2	bbccbc	bcc	cbc	bcc
	Gorleston	18·9	-14	SSE	3	c	62	85	57	7	5	7	-	4-6	9+	2800	0	2	bc	bcc	cbc	cz
	Mildenhall	16·8	-16	SSE	4	c	73	65	60	8	-	7	-	0	10	-	0	*	bccbcycy	cyc	ccmircm	cmcir
	Cranwell	15·8	-14	SW	2	tlr	70	85	64	6	3	7	-	4-6	10	2000	1	*	bcyc	cczo	ctlrhcm	bcmcm
3	Birmingham	16·8	-4	W	2	zo	65	75	57	6	5	7	-	2-3	9+	1500	1	*	roc	c	c	cbc
	Upper Heyford	17·0	-2	W	4	iro	69	75	62	6	5	2	-	4-6	10	4000	0	*	czo	czoiro	czircm	cmcbc
4	Ross-on-Wye	17·3	-4	W'S	3	c	64	65	53	8	4	7	6	Tr	9	2500	1	*	cpocz	czoc	cc	cbcc
5	Hartland Point	18·7	-4	WSW	4	c	57	85	53	8	1	7	8	1	9+	1500	1	4	cidoc	c	cidbc	bc
	Bristol	18·8	-2	W	4	cbc	62	75	53	8	5	3	2	2-3	7-8	3500	1	*	cmo	cmoc	c	cw
	Portland Bill	18·9	-6	WSW	3	c	58	92	56	8	5	-	-	10	10	4000	1	3	c	c	co	cc
	Plymouth	20·2	+6	SWW	4	c	59	85	55	8	5	7	8	2-3	10	5000	0	1	cidoc	c	cdd	cmbcb
	The Lizard	20·8	0	WSW	3	cbc	57	92	55	8	5	3	-	7-8	7-8	2000	1	2	bbc	bcc	dmcbc	bc
	Scilly (St. Mary's)	20·1	+4	SW'S	4	cjp	58	92	56	7	5	-	-	10	10	1600	0	4	cbc	c	dfcbc	cbc
	Guernsey																					
6	Pembroke	18·6	-2	SW'S	4	cq	56	92	54	8	8	7	-	7-8	10	2500	0	3	c	cq	bcq	bcq
7	Holyhead (Valley)	16·6	-8	SSW	5	c	56	92	53	8	5	9	-	2-3	10	600	1	3	c	ciroc	cdrdcb	b
	Chester (Sealand)	16·8	0	W	1	c	62	65	49	8	5	7	-	4-6	10	2500	0	*	czozcmmozo	czo	rrrcm	cmidbc
8	Manchester	17·0	+2	WNW	3	c/r	60	85	55	6	6	2	-	7-8	10	1500	1	*	idorrmo	cmoiroir	cmbccpr	cddbm
10	Spurn Head	16·5	-14	S'E	4	zo	60	85	55	6	7	7	-	4-6	10	1500	0	3	cmo	cmo	tlorcm	bcm
	Catterick (Sc)	16·4	-6	WSW	3	c	62	85	58	8	5	2	-	7-8	10	4000	1	*	cmomiromo	cmoiroc	circ	bcb
	Tynemouth	16·2	-6	WSW	3	zo	65	75	56	6	8	-	-	9+	9+	2000	1	2	crccpomo	cmo	cmoro	cbc
11	St. Abbs Head	13·7	-2	S	4	c	59	75	50	7	5	2	-	7-8	9+	3000	0	2	cmor	cmo	cprbc	bc
	Leuchars	13·2	-10	SW	4	c/r	61	65	49	9	5	7	-	7-8	10	2500	0	*	cmocbccmo	cmcmc	cir	cbcbbc
12	Renfrew (Abbots I.)	12·7	-12	S	3	roro	58	85	52	7	5	7	-	2-3	10	1600	1	*	cmoccirocmo	ccroro	cbcc	cbcc
	Eskdalemuir	13·7	-10	SSW	5	c	55	75	46	8	5	7	-	4-6	10	1800	0	*	cproc	c	cprrrc	c
	Point of Ayre	15·2	-4	SW'S	4	c	56	92	53	8	8	7	7	2-3	10	1500	1	2	c	croroc	crred	b
13A	Tiree	09·9	-4	SSW	6	bc/r	56	85	50	8	1	3	1	4-6	4-6	2000	1	4	ccroc	cirocir	bbc	cprprmc
13B	Stornoway	08·1	-14	S	6	roro	54	92	52	7	5	2	-	9	10	1000	1	4	bcciro	cirororo	crrbc	bccprirc
15	Dalwhinnie	10·5	-12	SW	5	c	57	65	45	7	6	7	-	2-3	10	2500	0	*	bcoc	omoiro	*	oirc
	Aberdeen	12·0	-18	S	2	[illegible]	58	85	54	5	-	7	-	0	10	-	0	2	cmbccmojf	cjf czo	czopro	oprbcbo
	Wick	10·6	-22	SSE	4	c/r	57	85	54	6	5	2	-	4-6	10	1600	0	*	ofcmojf	cmocirocmo	c	bcb
16	Sumburgh	11·6	-22	SSE	4	zo	53	92	51	6	5	2	-	4-6	10	600	1	2	ofmcmo	cmo	cirmo	cmprobc
17	Blacksod Point	11·3	+8	SW	6	pr	56	75	48	8	9	-	-	7-8	7-8	2500	1	5	r	pr	pr	bc
18	Malin Head	10·0	+2	W'S	4	bc pr	56	75	48	8	8	-	-	7-8	7-8	2500	1	3	pr	pr	pr	c
	Aldergrove	12·3	-8	SSW	2	/r	55	97	54	8	8	7	-	4-6	4-6	2500	1	*	pr	rorocR	crbcb	bwbc
19	Birr Castle	14·0	+2	SSW	2	bc	60	65	49	8	8	-	-	4-6	4-6	1500	0	*	pr	pr	*	bc
20	Valentia Obsy.	16·5	+10	W'S	4	bc	58	75	50	8	2	-	-	4-6	4-6	2500	1	4	r	bc	pr	pr
	Roches Point	15·5	-2	W	4	bc	61	75	53	8	2	3	-	2-3	4-6	2500	1	4	r	r	b	b

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales	Light or moderate westerly winds; fair, with little cloud during the night; warm.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Moderate or fresh westerly winds; scattered thundery showers and bright intervals, with appreciable clearances in East tonight; rather warm.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate or fresh southwest to west winds, strong in northwest at first; scattered thundery showers and local thunderstorms, especially in West and North; appreciable clearances in East tonight; rather warm.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate westerly winds. Scattered thundery showers and bright intervals; rather warm

GENERAL INFERENCE

A depression near Iceland is moving slowly northeast, and a large anticyclone north of the Azores is moving east northeast. Weather will be fair and warm in the South. In the North there will be thundery showers with clear periods and it will be rather warm.

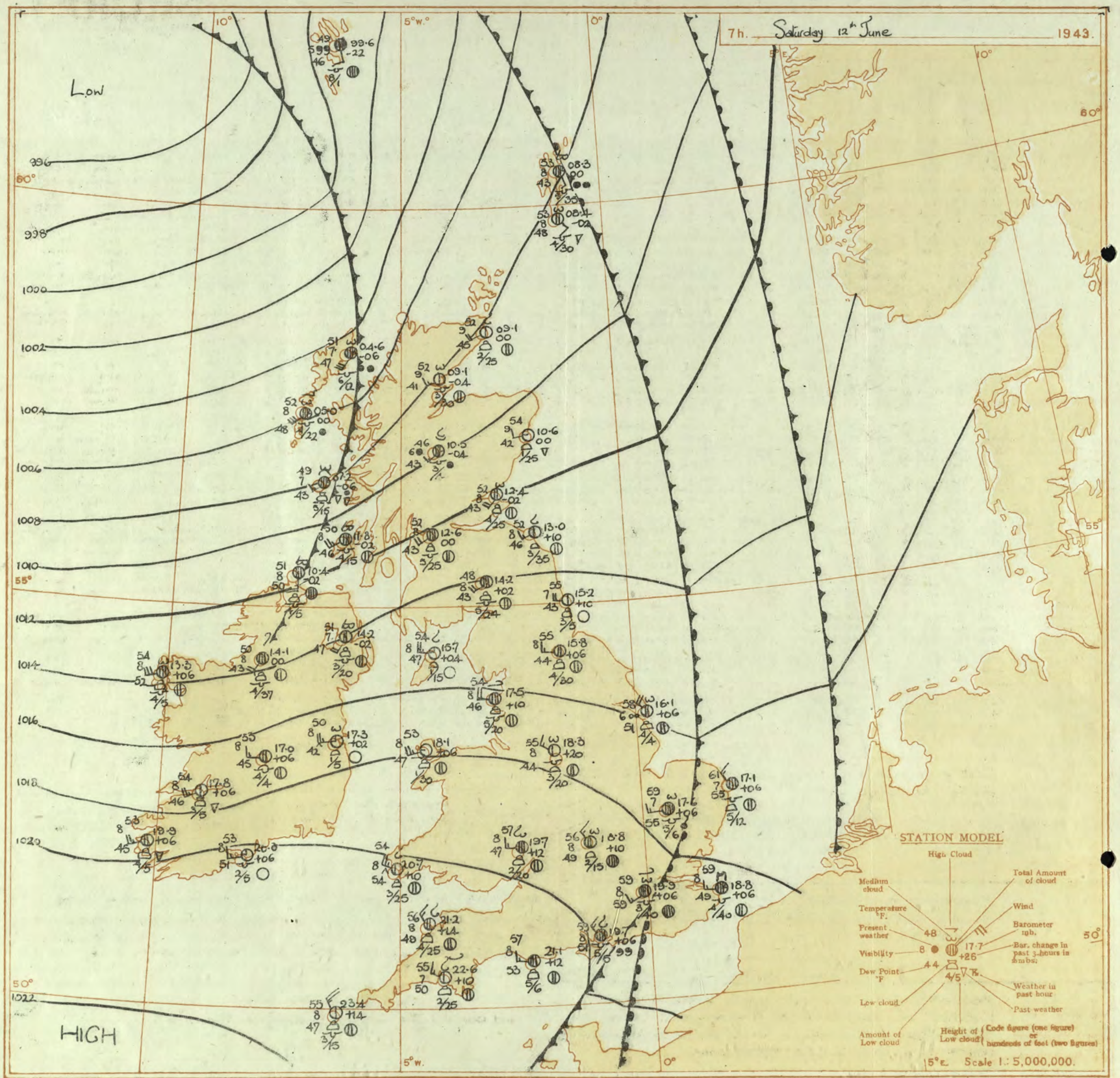
FURTHER OUTLOOK

Fair and warm in the South; showery in the North.

Forecasts issued at 1030

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

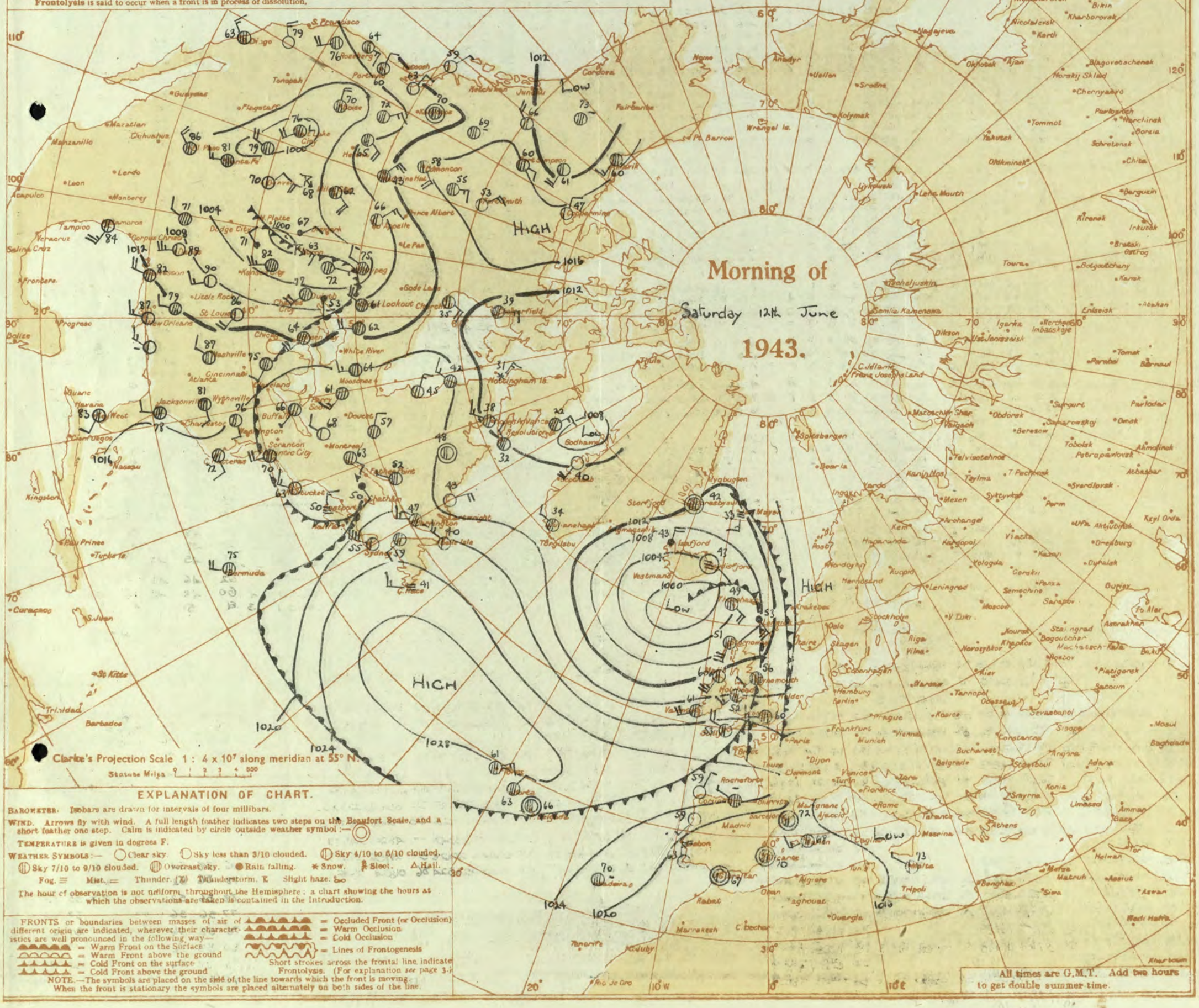
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday, 12th June 1943

No. 2787

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·2	+6	W	3	c	60	55	44	6	5	7	-	7-8	9+	3000
	S. Farnborough	226	18·8	-6	W	2	c	57	65	47	7	5	7	5	4-6	9+	3000
	Boscombe Down	417	19·0	-2	SW'W	1	c	55	85	49	8	-	7	-	0	9+	-
	Thorney Island	10	19·2	+6	W	2	c	58	85	52	6	5	7	-	4-6	10	2500
	Lympne ..	283	18·3	-6	S	1	c/r	61	85	55	6	5	2	-	9+	10	1100
	Manston ...	154	17·6	-10	S'W	2	Z_o	63	75	56	6	5	7	-	7-8	10	5000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·3	-10	S'W	2	b-bc	64	75	57	7	5	-	-	2-3	2-3	2500
	Gorleston ...	5	17·1	-14	S'W	3	c-bc	61	65	51	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	15	16·6	-2	W	3	Z_o	64	92	61	6	5	-	-	10	10	2300
	Cranwell ...	203	16·0	0	WNW	2	Z_o	58	85	54	6	5	7	-	7-8	10	1800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·0	+6	WSW	2	Z_o	54	85	50	6	5	3	-	4-6	9+	5000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·4	+12	WNW	3	b-bc	54	85	51	8	1	4	-	1	2-3	2900
	Bristol ...	209	19·0	-6	SW	3	c	56	85	52	8	5	-	-	10	10	1900
	Portland Bill ...	32	20·0	+6	W	3	o	56	92	54	7	5	-	-	10	10	4000
	Plymouth ...	82	20·8	0	W	4	o/d	56	92	55	6	5	-	-	10	10	1200
	The Lizard ...	240	20·7	0	W	4	bc	55	97	53	8	7	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	21·2	+2	NW'W	4	bc	53	92	51	8	8	-	-	4-6	4-6	1300
	Guernsey ...	175															
6	Pembroke ...	142	18·2	+4	NW'N	5	b-bcq	54	92	51	8	1	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	16·6	+4	SW'W	3	b-bc	52	92	50	8	8	4	-	2-3	2-3	2000
	Chester (Sealand)	16	16·3	-2	NW	3	id.	55	85	52	6	5	2	-	7-8	10	2000
8	Manchester ...	235	16·0	-10	S'E	3	c	55	85	51	8	9	-	-	10	10	2200
10	Spurn Head ...	29	15·9	0	WNW	3	Z_o	59	92	56	6	5	2	-	4-6	10	1500
	Catterick (Sc) ...	192	15·1	-8	SSW	2	c/r	55	85	50	7	8	7	-	4-6	9	3000
	Tynemouth ...	108	15·0	-12	WSW	2	c-bc	56	75	48	7	8	-	-	7-8	7-8	1500
11	St. Abbs Head	280	11·9	-4	SSW	2	bc	53	97	52	8	5	4	-	4-6	4-6	4000
	Leuchars ...	36	11·5	-2	SW	2	c-bc	53	97	51	8	5	7	-	7-8	7-8	2500
12	Renfrew (Abbots L.)	19	12·3	+2	WSW	3	c-bc	52	85	46	8	8	-	-	4-6	7-8	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	14·1	-2	W	4	b	51	92	49	8	-	4	-	0	Tr	-
13A	Tiree	44	09·7	0	SW	6	b-bc	51	75	43	8	2	-	-	2-3	2-3	2500
13B	Stornoway ...	15	06·5	-10	S	6	bc	51	85	46	8	2	3	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·8	-4	SSW	3	ir.	53	92	50	7	5	7	-	7-8	9	1800
	Wick ...	114	09·4	+2	WSW	4	c-bc	51	75	42	9	5	3	-	4-6	7-8	3000
16	Sumburgh ..	19	09·5	-6	S	3	ir.	51	92	50	5	5	2	-	4-6	10	1000
17	Blacksod Point	18	12·6	+2	WSW	7	bc	51	75	44	7	9	-	-	4-6	4-6	2500
18	Malin Head ...	84	10·9	-2	SSW	5	bc	60	85	56	8	8	-	-	4-6	4-6	2500
	Aldergrove ...	268	14·2	+8	WSW	2	b-bc	49	85	45	8	5	-	-	2-3	2-3	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·8	+6	WSW	4	bc	61	75	53	8	2	-	-	4-6	4-6	2500
	Roches Point	22	19·2	+8	W'S	3	b	51	92	49	8	5	-	-	Tr	Tr	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19·1	+6	W'S	3	c-bc	60	65	49	8	8	9	1	2-3	7-8	2500	1	*
	Croydon ...	19·9	+6	SW	3	c-bc	59	92	59	8	5	3	1	2-3	7-8	4000	0	*
	S. Farnborough	19·7	+10	W'N	2	bc	58	75	49	8	1	7	-	Tr	4-6	2000	0	*
	Boscombe Down	20·1	+6	W'N	3	c-bc	57	75	48	7	1	3	-	1	7-8	3000	0	*
	Thorney Island	19·7	+6	WNW	3	c/d	59	75	51	8	5	4	-	7-8	10	2500	1	*
	Lympne ..	19·2	+8	W	3	c	59	75	50	8	5	7	-	7-8	10	4000	0	*
	Manston ...	18·8	+6	W	3	c	59	65	49	8	5	8	-	4-6	9+	4000	0	*
2	Shoeburyness ...	18·3	*	WSW	3	c	60	75	52	7	5	-	-	10	10	2500	0	*
	Felixstowe ...	17·6	+6	W'S	2	c	61	75	53	7	5	7	-	7-8	9	5700	0	3
	Gorleston ...	17·1	+6	NW'W	3	c-bc	61	85	55	7	7	-	1	7-8	7-8	1200	0	3
	Mildenhall ...	17·6	+6	W'S	3	c	59	85	55	7	5	3	-	7-8	9+	4000	0	*
	Cranwell ...	17·7	+16	W'N	3	c-bc	58	85	52	7	1	3	-	4-6	7-8	2500	3	*
3	Birmingham ...	19·1	+8	W	3	bc	55	75	48	7	2	3	-	2-3	4-6	1500	1	*
	Upper Heyford	18·8	+10	NW'W	3	bc	56	75	49	8	1	3	-	1	4-6	1500	0	*
4	Ross-on-Wye	19·7	+12	W	3	c-bc	55	75	47	8	2	5	-	1	7-8	2000	0	*
5	Hartland Point	21·2	+14	WNW	3	bc	56	75	49	8	2	4	-	4-6	4-6	2500	1	4
	Bristol ...	20·9	+10	WNW	3	bc	55	85	51	7	2	4	-	2-3	4-6	2500	0	*
	Portland Bill ...	21·1	+12	W	3	c-bc	57	85	53	8	2	-	-	7-8	7-8	4000	1	3
	Plymouth ...	22·6	+10	W'N	3	b-bc	55	85	50	7	2	4	1	1	2-3	2500	1	2
	The Lizard ...	24·5	+16	NW	4	bc	56	85	50	8	2	3	-	4-6	4-6	2900	0	3
	Scilly (St. Mary's)	23·4	+14	NW'W	5	b-bc	55	75	47	8	8	-	-	2-3	2-3	1500	1	4
	Guernsey ...																	
6	Pembroke ...	20·7	+10	W'N	5	b-bcq	54	97	54	8	2	4	-	2-3	2-3	2500	0	3
7	Holyhead (Valley)	18·1	+6	WSW	5	b	53	75	47	8	2	-	-	Tr	Tr	3000	1	3
	Chester (Sealand)	18·3	+14	NW'W	3	c-bc	56	65	44	8	8	3	-	7-8	7-8	2000	0	*
8	Manchester ...	17·9	+10	WSW	3	Z_o	54	75	48	6	1	-	-	1	1	3000	1	*
10	Spurn Head ...	16·1	+6	WNW	4	Z_o	58	75	51	6	2	3	-	4-6	4-6	1500	1	3
	Catterick (Sc) ...	15·8	+6	W	3	bc	55	65	44	8	2	-	-	4-6	4-6	3000	1	*
	Tynemouth ...	15·2	+10	W	4	b-bc	55	65	43	7	2	-	-	2-3	2-3	2500	1	2
11	St. Abbs Head	13·0	+10	SW	3	b-bc	52	85	46	8	1	4	-	2-3	2-3	3500	0	3
	Leuchars ...	12·4	-2	SSW	4	bc	52	75	43	8	2	3	-	4-6	4-6	2500	0	*
12	Renfrew (Abbots L.)	12·6	0	SW	4	c-bc	52	75	43	8	8	-	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	14·2	+2	SW	4	c-bc	48	85	43	8	8	-	-	7-8	7-8	2400	1	*
	Point of Ayre ...	15·7	+4	W'S	5	b	54	75	47	8	1	4	-	Tr	1	1500	1	4
13A	Tiree	07·2	-6	SW	3	c/pr	49	75	43	7	9	6	-	7-8	9+	1500	1	5
13B	Stornoway ...	04·6	-6	SSW	6	c/r	51	85	47	7	5	3	-	9	9+	1200	1	4
15	Dalwhinnie ...	10·2	-4	SW	3	r	46	92	43	6	5	9	-	2-3	9	1500	1	*
	Aberdeen † ...	10·6	0	WSW	2	b	54	65	42	9	1	-	8	Tr	Tr	2500	0	2
	Wick ...	09·1	0	SW'W	4	b-bc	52	75	45	9	2	4	-	1	2-3	2900	0	*
16	Sumburgh ..	08·4	-2	ESE	2	bc	53	85	48	8	5	3	-	4-6	4-6	3000	1	1
17	Blacksod Point	13·3	+6	WSW	6	c-bc	54	75	46	8	8	3	-	4-6	7-8	2500	1	5
18	Malin Head ...	10·4	-2	S	5	c-bc	51	97	50	8	8	6	-	4-6	7-8	2500	1	4
	Aldergrove ...	14·2	-2	SSW	4	bc	51	75	47	7	8	7	-	2-3	4-6	2000	1	*
19	Birr Castle ...	17·0	+6	W	3	bc	53	75	45	8	4	-	-	4-6	4-6	1500	0	*
20	Valentia Obsy.	19·9	+6	WSW	5	bc	53	75	45	8	2	-	-	4-6	4-6	2500	1	4
	Roches Point	20·3	+6	W'S	5	b	53	92	51	8	5	-	-	1	1	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 11- Hrs. (38)
1	London (Kew)	76	58	54	-	-	7·6
	Croydon ...	78	56	52	-	-	8·9
	S. Farnborough	76	56	52	-	-	7·7
	Boscombe Down	74	52	52	Tr	-	1·8
	Thorney Island	69	55	53	-	Tr	*
	Lympne ..	71	54	51	-	-	12·1
	Manston ...	72	58	56	-	Tr	12·2
2	Shoeburyness ...	75	57	53	-	-	12·5
	Felixstowe ...	69	59	58	-	-	11·9
	Gorleston ...	63	59	56	-	-	12·4
	Mildenhall ...	78	56	55	-	-	9·7
	Cranwell ...	74	55	53	Tr	-	3·9
3	Birmingham ...	63	52	49	0·5	-	0·0
	Upper Heyford	70	53	47	Tr	-	*
4	Ross-on-Wye	68	52	49	Tr	-	0·4
5	Hartland Point	59	53	50	Tr	1	3·6
	Bristol ...	71	52	48	-	-	0·0
	Portland Bill ...	60	54	*	-	-	*
	Plymouth ...	63	51	43	Tr	0·2	3·6
	The Lizard ...	62	53	*	-	-	7·1
	Scilly (St. Mary's)	62	50	*	-	0·1	4·2
	Guernsey ...						
6	Pembroke ...	58	52	*	-	-	1·7
7	Holyhead (Valley)	61	49	45	1	1	*
	Chester (Sealand)	70	51	38	-	0·4	1·2
8	Manchester ...	66	51	45	1	0·1	*
10	Spurn Head ...	70	57	*	-	3	3·7
	Catterick (Sc) ...	67	51	42	0·1	Tr	0·6
	Tynemouth ...	67	53	49	Tr	Tr	*
11	St. Abbs Head	67	52	*	Tr	Tr	*
	Leuchars ...	67	47	42	1	3	2·6
12	Renfrew (Abbots L.)	63	47	37	0·2	0·3	0·4
	Eskdalemuir ...	61	43	38	Tr	5	0·2
	Point of Ayre ...	63	48	*	1	0·2	1·2
13A	Tiree	56	48	46	3	2	2·5
13B	Stornoway ...	59	49	46	4	1	5·1
15	Dalwhinnie ...	64	43	38	0·2	2	3·8
	Aberdeen † ...	64	51	46	-	0·1	2·1
	Wick ...	58	47	40	0·1	0·4	*
16	Sumburgh ..	56	50	48	Tr	0·6	0·0
17	Blacksod Point	59	49	*	3	1	
18	Malin Head ...	59	47		1	Tr	2·9
	Aldergrove ...	61	45	42	3	0·2	2·8
19	Birr Castle ...	62	46	43	1	-	4·5
20	Valentia Obsy.	60	48	45	2	0·6	4·9
	Roches Point	61	51		2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 11th June $C_L C_M$	ww VhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	ww VhN$_h$	DDFWN	01h. G.M.T. 12th June $C_L C_M$	ww VhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	ww VhN$_h$	DDFWN
109	5-	05538	14248	5-	61638	49428	57	05644	24127	--	01792	18302
115				52	66735	20268	87	02854	20426	54	02854	20426
203							--	01845	20625			
206	51	02855	04358	52	02864	20368	50	01861	24112	53	01963	20313
210	57	02864	17417	57	22363	20268	03	0199009364		13	01961	17412
219	52	22837	14568	20	01853	17663	50	01754	51714	53	05854	19667
230	52	60854	16228	57	22747	14368	83	02855	20366	8-	81757	19487
245	53	05656	14317	57	02851	18428	87	22745	18266	10	01821	20361
260	52	05655	16328	52	02864	20326	57	05654	18324	20	01853	22403
278	52	02837	15428	62	64517	14368	50	01841	22311	53	01852	22213
279	57	02744	21568	57	02854	20528	53	01844	22464	26	02855	21415
285	27	05625	20428							27	01854	26415
288	57	22656	15368	52	62746	22268				20	01854	21414
575	42	51843	18328	20	01854	20424	20	01852	18312	30	01864	51415
301	5-	02858	22528	52	02854	24328	57	21765	22366	80	02855	24415
321	57	05665	18428	9-	33548	18268	07	05690	00096	24	01752	26313
299	54	05653	16314	52	25644	16288				5-	02747	22127
302	57	62554	18268	52	05456	22268	61	21763	18158	10	01853	24353
310	--	02628	16428							--	01634	24314
614	52	63645	20268	32	22465	00068	07	05690	20128	83	05653	28124

III	13h. G.M.T. 11th June $C_L C_M$	ww VhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	ww VhN$_h$	DDFWN	01h. G.M.T. 12th June $C_L C_M$	ww VhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	ww VhN$_h$	DDFWN
388				57	61844	20468	50	01743	23363	20	01862	23402
334												
340	52	05656	19368	52	02955	26228	57	02845	22328	73	01853	24214
136	10	02863	12315	41	02761	16328	52	05644	20268	59	51744	22357
336	52	02656	20328	13	02753	16316				13	01741	22415
350	07	02750	17326	57	02764	17428	57	05675	22328	23	02853	24326
368	5-	02634	24228	23	02842	22316				8-	02744	22315
379	57	05664	14267	92	81534	23288	57	02763	22327	53	02841	-4425
390	13	01761	14325	47	05661	16226	57	05555	22227	53	05643	22326
382	57	02764	17328	52	05654	24428	5-	02765	24325	53	02842	26426
438	04	05690	12313	84	05664	12215	--	46209	28349	--	48209	24549
430	03	05690	16225	57	05654	18216	57	05644	20128	5-	21757	26257
409	14	02843	23327	15	02841	21227	53	01853	28324	86	01854	25484

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12th June
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 ...	cmbcc	cyc	cmbcc	Kew 24 hours ended 7h Max. Time 0·1
Croydon ...	c	cy	cyczc	
Greenwich ...	bcy	bcc	cbcy⊕	
Camden Square	b	bc	*	
Kensington ...	bcz	bcc	*	Min. Time whole period
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 ...	76	58	54	-	-	7·6	*	*
Croydon	78	56	52	-	-	8·9	*	*
Greenwich	78	56	52	-	-	7·9	52	57
Westminster	77	56	56	—			57	66
Regents Park	78	58	56	-	-		51	62
Camden Square	80	58	56	-	-	*	*	52
Kensington	79	58	54	-	-		57	59
Hampstead	76	55	51	-	-		*	65

Page 1 BRITISH SECTION

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

SECRET

Sunday 13th June 1943

No. 29788

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20.7	+6	NW'W	3	cbc	67	35	40	8	8	-	-	7-8	7-8	2500
	Croydon	21.0	+6	W'S	3	bc	68	35	41	9	1	-	-	4-6	4-6	3000
	S. Farnborough	21.2	+16	WNW	3	cbc	66	45	46	8	1	-	-	7-8	7-8	2500
	Boscombe Down	21.9	+8	W'N	4	b-bc	63	35	36	8	1	-	-	2-3	2-3	3000
	Thorney Island	21.5	+6	W'N	4	bc	67	55	48	9	1	-	-	4-6	4-6	2500
	Lympne	20.0	+6	W	4	b-bc	68	55	45	8	1	-	-	2-3	2-3	4500
	Manston	19.8	+4	NW'N	3	b	69	35	40	8	1	-	-	1	1	3000
2	Shoeburyness	20.2	+10	W'S	2	bc	71	45	47	8	2	-	-	4-6	4-6	4000
	Felixstowe	19.3	+10	W'S	4	bc	71	45	50	8	2	-	-	4-6	4-6	4000
	Gorleston	18.3	+4	WNW	3	cbc	63	75	54	7	8	-	-	7-8	7-8	1800
	Mildenhall	19.0	+10	W	4	cbc	68	45	47	8	2	3	-	7-8	7-8	2700
	Cranwell	18.8	+6	W	4	bc	65	45	43	8	2	-	-	4-6	4-6	3500
3	Birmingham	19.8	+8	W	4	bc	60	45	39	8	7	-	-	4-6	4-6	4000
	Upper Heyford	20.2	+8	W'N	4	bc	64	35	39	9	1	-	-	4-6	4-6	2500
4	Ross-on-Wye	20.6	+4	W	4	bc	62	45	42	9	1	-	-	4-6	4-6	3500
5	Hartland Point	23.5	+10	WNW	4	bc	57	75	47	8	1	-	-	4-6	4-6	2000
	Bristol	22.6	+12	W'S	4	b-bc	61	65	48	8	1	-	1	2-3	2-3	4000
	Portland Bill	23.2	+8	W	3	bc	60	85	56	8	1	-	-	4-6	4-6	4000
	Plymouth	24.6	+10	NW	4	cbc	62	65	45	8	2	-	-	7-8	7-8	2500
	The Lizard	25.1	+8	W	4	bc	60	65	48	8	2	-	-	4-6	4-6	3000
	Scilly (St. Mary's)	25.9	+14	W	4	bc	61	65	48	8	8	-	-	4-6	4-6	1800
	Guernsey															
6	Pembroke	22.8	+4	W'S	5	b-bc	56	75	48	8	2	4	-	2-3	2-3	3000
7	Holyhead (Valley)	19.5	+6	SW	6	bc	59	75	51	8	2	6	-	2-3	4-6	2500
	Chester (Sealand)	18.9	+6	SE'S	3	bc	64	45	39	8	2	-	-	4-6	4-6	3500
8	Manchester	19.2	+6	W'S	4	bc/pr	61	55	45	9	2	-	-	4-6	4-6	2500
10	Spurn Head	18.2	+2	WNW	5	bc	61	45	40	7	2	4	-	4-6	4-6	1500
	Catterick (Sc)	16.8	+4	SSW	4	cbc	62	55	44	8	2	-	1	4-6	7-8	3000
	Tynemouth	15.7	+2	WSW	5	bc	60	55	46	7	2	-	-	4-6	4-6	2200
11	St. Abbs Head	12.1	-2	SW	4	bc	59	55	42	8	2	4	-	4-6	4-6	3500
	Leuchars	12.0	-4	WSW	4	cbc/pr	58	85	54	8	8	7	6	4-6	7-8	2500
12	Renfrew (Abbots I.)	13.4	+6	WSW	5	PR	57	65	46	7	8	-	8	4-6	9	1600
	Eskdalemuir	14.4	+2	SW	5	c	55	65	45	7	8	-	-	9	9	2100
	Point of Ayre	16.5	+6	W'S	6	b-bc	62	55	48	8	1	-	8	2-3	2-3	2500
13A	Tiree	10.9	+18	SW'W	6	bc	56	85	50	8	3	6	2	4-6	4-6	2500
13B	Stornoway	05.5	+6	SSW	6	cbc	57	65	45	8	8	6	5	4-6	7-8	2200
15	Dalwhinnie	01.1	+6	SSW	5	c	51	75	45	7	5	2	-	7-8	9+	1500
	Aberdeen	10.3	-2	SW	4	c	62	45	40	9	2	-	4	9	9	4000
	Wick	08.1	-6	SW'S	5	cbc	59	65	46	9	5	3	2	4-6	7-8	4000
16	Sumburgh	07.8	-2	S'E	3	b	55	76	47	9	2	6	1	Tr	1	2500
17	Blacksod Point	15.8	+14	WSW	6	bc	57	75	49	8	8	-	-	4-6	4-6	2500
18	Malin Head	12.4	+12	W'N	6	cbc/pr	52	85	48	8	8	-	-	7-8	7-8	2500
	Aldergrove	15.4	+8	SW	4	pr	55	65	44	8	9	6	-	7-8	7-8	1000
19	Birr Castle	18.5	+6	W	3	c-bc	60	55	45	8	8	-	-	7-8	7-8	1500
20	Valentia Obey.	21.7	+14	WSW	5	bc/pr	57	75	49	8	8	-	-	4-6	4-6	2500
	Roches Point	21.8	+6	W'S	4	cbc	57	75	49	8	3	4	-	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	21.6	+8	NW'W	3	bc	65	45	43	8	8	-	-	4-6	4-6	2500	0	*
Croydon	22.4	+8	WSW	3	bc	65	35	39	8	2	-	-	4-6	4-6	3000	0	*
S. Farnborough	22.5	+10	W'N	4	b	64	35	39	8	1	-	4	1	1	3900	0	*
Boscombe Down	23.1	+10	WNW	4	b	60	55	43	9	1	-	-	1	1	3500	0	*
Thorney Island	22.4	+4	WNW	4	b-bc	64	45	44	9	2	-	-	2-3	2-3	4000	0	*
Lympne	21.3	+8	W	5	b-bc	66	45	42	8	1	-	-	2-3	2-3	4000	0	§4
Manston	20.5	+8	NW'W	3	b-bc	66	35	39	8	1	3	-	2-3	2-3	5700	0	*
Shoeburyness	20.9	+6	W'N	2	bc	65	45	42	9	2	-	-	4-6	4-6	4000	0	*
Felixstowe	20.1	+6	W	4	bc	68	35	41	9	2	-	2	2-3	4-6	4000	0	4
Gorleston	19.5	+6	SSE	4	c-bc	61	75	52	7	2	-	-	7-8	7-8	2000	0	3
Mildenhall	20.1	+10	W	4	b-bc	66	45	46	9	1	-	-	2-3	2-3	4000	0	*
Cranwell	19.5	+6	W	3	b-bc	63	45	40	8	1	-	-	2-3	2-3	3500	0	*
Birmingham	21.1	+4	WSW	4	c-bc	59	45	38	8	8	7	-	4-6	7-8	2500	1	*
Upper Heyford	20.8	+6	W	3	b-bc	63	55	45	8	2	3	-	2-3	2-3	3000	0	*
Ross-on-Wye	21.5	+4	W'S	4	bc	58	55	42	8	8	-	-	4-6	4-6	3500	0	*
Hartland Point	23.3	-4	W	4	bc	57	75	48	8	1	4	4	2-3	4-6	2000	0	4
Bristol	23.7	+4	W	4	b-bc	59	65	49	8	2	4	-	2-3	2-3	4000	0	*
Portland Bill	23.9	+2	W	3	bc	60	85	56	8	1	-	-	4-6	4-6	4000	1	3
Plymouth	25.0	+2	W'S	4	bc	59	65	48	9	2	-	1	4-6	4-6	3000	0	2
The Lizard	25.6	0	W	5	bc	58	75	50	8	1	4	-	2-3	4-6	3000	0	4
Scilly (St. Mary's)	25.6	-6	W	4	c-bc	59	65	48	8	1	6	3	4-6	7-8	1800	0	4
Guernsey																	
Pembroke	22.8	0	W	6	b-bc	55	85	51	8	2	4	-	2-3	2-3	3000	0	4
Holyhead (Valley)	19.4	-2	SW'S	5	b-bc	57	75	49	8	2	6	-	1	2-3	3000	1	4
Chester (Sealand)	19.3	+2	W	4	bc	61	55	44	8	8	-	-	4-6	4-6	2500	0	*
Manchester	19.3	0	SW	5	bc	59	55	44	9	2	4	-	4-6	4-6	3000	1	*
Spurn Head	18.7	+8	W'N	5	bc	62	55	44	7	2	-	-	4-6	4-6	1500	0	3
Catterick (Sc)	17.4	+6	WSW	4	bc	57	65	46	8	8	6	-	4-6	4-6	3000	1	*
Tynemouth	16.5	+4	WSW	5	bc/pr	57	75	49	7	2	-	-	4-6	4-6	2200	1	3
St. Abbs Head	12.6	+4	WSW	4	bc	60	85	56	8	3	4	-	4-6	4-6	3500	0	4
Leuchars	12.2	+6	WSW	4	pr	56	75	48	7	9	6	-	4-6	7-8	2000	0	*
Renfrew (Abbots I.)	13.6	+4	WSW	4	bc/pr	55	85	50	8	3	6	3	4-6	4-6	2000	1	*
Eskdalemuir	14.6	+2	SW	4	pr	52	85	46	6	8	4	-	9	9+	1800	1	*
Point of Ayre	17.0	+4	W'S	4	bc	57	75	47	8	8	-	-	4-6	4-6	2500	0	4
Tiree	11.6	+2	W'N	5	c-bc	54	85	48	8	2	-	-	7-8	7-8	2500	0	5
Stornoway	06.7	+10	SW	6	pr	56	75	48	7	8	6	-	9	9+	1500	1	4
Dalwhinnie	10.5	+4	W	4	iR	46	92	43	7	5	-	-	4-6	4-6	1500	1	*
Aberdeen	10.3	+4	WSW	3	bc	62	45	40	8	2	-	3	4-6	4-6	5000	0	2
Wick	08.4	+2	SW	2	c-bc/pr	55	85	49	9	8	7	-	4-6	7-8	4000	1	*
Sumburgh	07.3	-6	WSW	4	pr	51	92	49	8	8	6	-	7-8	9	2000	1	2
Blacksod Point	16.1	+2	WSW	6	c	55	75	48	8	8	-	-	9+	9+	2500	1	5
Malin Head	13.3	+6	W	6	bc	55	92	53	8	8	-	-	4-6	4-6	2500	1	4
Aldergrove	15.9	+4	SW'W	4	bc	57	65	45	8	3	6	-	4-6	4-6	2000	1	*
Birr Castle	19.2	+2	WSW	3	bc	59	55	43	8	2	-	-	4-6	4-6	1500	0	*
Valentia Obey.	21.6	-2	W'S	5	bc/pr	57	75	49	8	2	-	-	4-6	4-6	2500	1	5
Roches Point	21.7	0	W	4	bc	57	75	49	8	3	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 12th (39)	13h.—18h. 12th (40)	18h. 12th to 1h. 13th (41)	1h.–7h. 13th (42)
London (Kew)	cbcy	bcy	bcby	bbccw
Croydon	bcy	bcy	bcybyb	bcwbo
S. Farnborough	bcy	bcby	bybbcb	bbcwbc
Boscombe Down	bcy	bcby	byb	bbc
Thorney Island	cbcy	cbcy	bw	bcbce
Lympne	cbcy	bccbcy	byb	bwbbc
Manston	cbcy	bbcy	bcybc	bbc
Shoeburyness	cbcyb	bcy	bc	bc
Felixstowe	cbcy	bcy	bcybyb	bbc
Gorleston	c	bcc	bcbbc	bcb
Mildenhall	cbcbcy	cybcvy	bcyyb	bc
Cranwell	bcy	bcy	bvb	b
Birmingham	cy	bc	bc	bc
Upper Heyford	bccbcy	bcy	bcybbc	bcbbc
Ross-on-Wye	cbcvy	bcy	bcb	bb ccb
Hartland Point	bc	bc	bccbc	cbcpr PR
Bristol	bcbcy	bbcb	bbc	bccpro
Portland Bill	bcbc	bc	bcc	c
Plymouth	cbc	ybcv	bcvb	bc
The Lizard	bc	bc	bc	crbc
Scilly (St. Mary's)	c	bc	bcc	cbcc
Guernsey				
Pembroke	bcc	bcq	bc	bcpro
Holyhead (Valley)	bbc	bcb	bc	bbcb
Chester (Sealand)	bccbcy	bccbcy	bc,c,bc	bbcb
Manchester	bzobcpro	bcpro.ycpr	bcycpro	cprobc
Spurn Head	bc	bc	b	bc
Catterick (Sc)	bcy	bcypr.bc	bcprobc	bc
Tynemouth	bc	bcpo	bcpobc	bc
St. Abbs Head	bc	bcb	cbc	bc
Leuchars	bcproctcproc	cprbcpr.	cprobc	cb ccpr
Renfrew (Abbots I.)	bcccpro	cPReeq cpr.	cbccprbc	bccmo PRcpro
Eskdalemuir	cprc	cprc	cPRc	cpro
Point of Ayre	b	cpr	cprbc	bccbc
Tiree	ccprcpR	bccpro	bcbbc	bccprbc
Stornoway	cirocproc	cprcpr.	cprocprc	bcprprobc
Dalwhinnie	ciro	ciro	*	iroc
Aberdeen	bybccy	bcy		bwbc
Wick	bcc	cpr.	cbc	bc
Sumburgh	b	bbccpr.	cprobc	bcc
Blacksod Point	bc	pr	pr	c
Malin Head	pr	pr	pr	pr
Aldergrove	cbccpr.	cTR cprocc	c	c
Birr Castle	pr	bc	*	bc
Valentia Obey.	pr	pr	bc	pr
Roches Point	pr	pr	bc	bc

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

DISTRICTS.

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

Moderate westerly winds, scattered showers and bright intervals; considerable clearances in central and Eastern districts tonight; rather 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

Moderate to fresh west to southwest winds, strong locally in North; rather frequent thundery showers, with local thunderstorms; appreciable clearances in sheltered Eastern districts tonight; rather cool.

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

As 7-15.

GENERAL INFERENCE

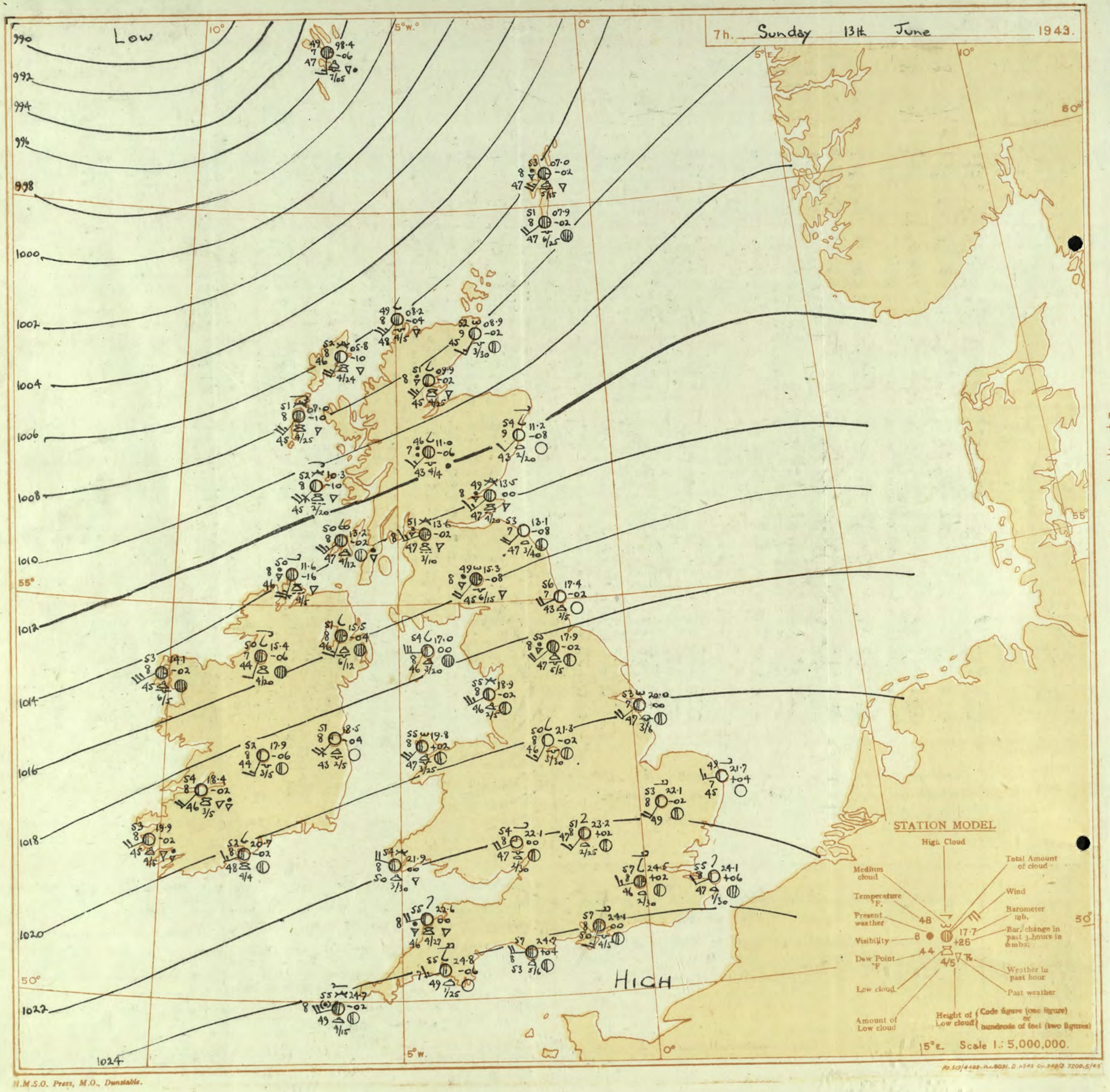
A depression near Iceland is moving slowly east and unstable polar air covers the British Isles; weather will be rather cool generally with scattered showers in the South and thundery showers in the North with local thunderstorms; there will be considerable clearances in eastern districts tonight.

FURTHER OUTLOOK

Showery conditions persisting in northern and central districts; risk of rain in extreme south.

Forecasts issued at 10.30

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



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

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

Explanation of Frontal Lines shown on Charts

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

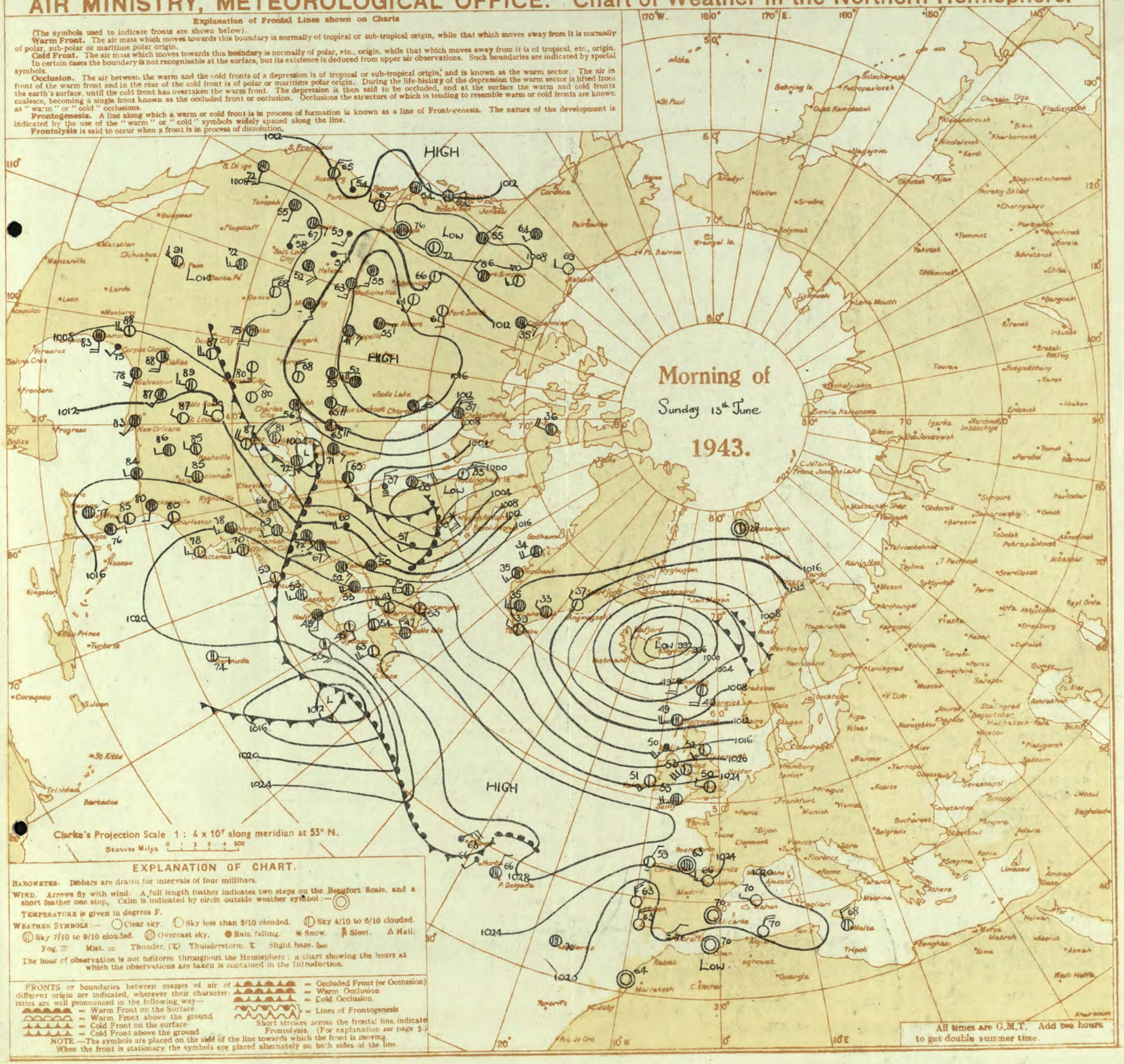
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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 13th June 1943

No. 29788

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

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	24·7	+4	W	2	b-bc	50	75	43	7	-	-	2	0	2-3	-
	S. Farnborough	226	24·8	+2	WSW	2	b	49	85	45	8	-	4	8	0	Tr	-
	Boscombe Down	417	24·7	+2	SW'S	1	b	45	92	42	8	-	-	1	0	1	-
	Thorney Island	10	24·6	+4	-	0	b	47	92	45	9	4	-	-	1	1	4000
	Lympne ..	283	24·6	+8	WNW	3	b	46	75	39	8	-	3	-	0	1	-
	Manston ...	154	23·4	+6	W'N	3	b	53	65	41	7	5	-	-	1	1	3500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·8	+8	WSW	3	b-bc	56	75	47	8	-	2	-	0	2-3	-
	Gorleston ...	5	21·4	+6	W	2	b-bc	53	75	43	7	-	4	-	0	2-3	-
	Mildenhall ...	15	22·2	+2	SW'S	3	b-bc	49	92	48	7	-	4	1	0	2-3	-
	Cranwell ...	203	21·1	+2	WSW	5	b	50	85	44	8	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·5	+8	WSW	2	bc	47	92	44	7	-	-	6	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23·5	-6	W	4	bc	54	85	48	8	2	-	4	4-6	4-6	2500
	Bristol ...	209	24·2	-2	WSW	2	bc	50	92	48	8	1	-	2	2-3	4-6	2500
	Portland Bill ...	32	25·6	+4	W	4	c-bc	55	85	51	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	25·7	-6	WSW	3	b	53	85	49	8	1	-	1	Tr	1	2500
	The Lizard ...	240	25·5	-6	W'S	4	bc	53	85	49	8	2	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	25·9	-6	W'S	4	c-bc	53	85	48	8	8	6	-	4-6	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	22·7	-6	W	5	b-bc	53	85	47	8	1	7	-	2-3	2-3	4000
7	Holyhead (Valley)	32	20·3	+2	SW	5	b-bc	53	85	49	8	2	6	-	1	2-3	2000
	Chester (Sealand)	16	20·5	-2	SW'S	2	bc	52	85	47	7	5	4	8	4-6	4-6	5000
8	Manchester ...	235	20·5	-2	S	3	c-bc	50	92	48	8	2	-	-	7-8	7-8	3500
10	Spurn Head ...	29	20·2	0	W'S	3	b	52	75	45	7	-	-	-	0	0	-
	Catterick (Sc.)...	192	18·5	+2	SW	2	bc	49	92	47	8	4	4	1	2-3	4-6	2000
	Tynemouth ...	108	17·9	+2	WSW	3	b-bc	52	75	45	7	-	4	1	0	2-3	-
11	St. Abbs Head	280	14·8	+4	SSW	3	bc	47	92	46	8	4	4	-	2-3	4-6	4000
	Leuchars ...	36	14·1	+2	WSW	2	c-bc	49	85	44	8	4	4	-	4-6	7-8	2500
12	Renfrew (Abbotsl.)	19	14·6	-2	SW'W	3	c-bc/pr	51	85	48	7	9	6	-	7-8	7-8	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·9	0	W	4	bc	52	85	47	8	4	-	-	4-6	4-6	3000
13A	Tiree	44	12·5	+2	WSW	4	bc	51	92	48	7	8	4	-	2-3	4-6	2500
13B	Stornoway ...	15	07·8	0	WSW	5	c-bc	49	85	45	8	9	-	4	4-6	7-8	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12·4	+24	WSW	3	bc	47	85	43	9	5	4	9	Tr	4-6	3500
	Wick ...	114	09·8	+4	SSW	3	bc	48	92	46	8	8	3	5	2-3	4-6	3000
16	Sumburgh ..	19	08·4	+8	SW	4	c-bc	50	92	47	8	8	-	-	7-8	7-8	2000
17	Blacksod Point	18	15·6	-6	SW	6	b-bc	51	75	44	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	84	14·0	-2	SW	5	pr	50	75	43	8	8	2	-	4-6	9+	2500
	Aldergrove ...	268	17·0	0	SSW	3	c-bc	50	85	46	8	8	-	-	7-8	7-8	1800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·3	-6	SW'W	4	b-bc	51	75	44	8	2	-	-	2-3	2-3	2500
	Roches Point	22	22·1	-6	W'S	2	b	51	97	50	9	5	-	-	1	1	2500

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

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)	23·9	+2	WSW	2	c	55	75	47	8	8	-	6	2-3	9	2500	0	*
	Croydon ...	24·5	+2	W	3	c	57	65	46	8	1	4	2	1	9	3000	0	*
	S. Farnborough	24·0	+2	W	3	oc	53	75	46	8	1	4	4	Tr	4-6	2000	0	*
	Boscombe Down	24·0	+2	SW'S	2	c-bc	53	85	47	8	2	-	4	0	7-8	-	0	*
	Thorney Island	24·1	0	SSW	3	c-bc	57	75	50	8	5	-	2	4-6	7-8	2500	1	*
	Lympne ..	24·7	+2	W'S	2	b-bc	54	75	47	8	-	-	3	0	2-3	-	0	3
	Manston ...	24·1	+6	W'S	2	b-bc	55	75	47	8	1	-	4	Tr	2-3	3000	0	*
2	Shoeburyness ...	23·4	+2	WSW	3	bc	57	75	49	6	-	-	2	0	9	-	0	*
	Felixstowe ...	22·9	0	WSW	3	bc	54	75	48	7	-	-	2	0	4-6	-	0	3
	Gorleston ...	21·7	+4	W	3	b-bc	49	85	45	7	-	-	1	0	2-3	-	0	2
	Mildenhall ...	22·1	-2	SW	4	b-bc	53	85	49	8	-	-	2	0	2-3	-	0	*
	Cranwell ...	20·7	0	W'S	4	b	53	75	47	8	1	4	-	1	1	2500	0	*
3	Birmingham ...	20·6	+2	SW	3	b	52	75	44	8	8	7	-	Tr	1	2500	1	*
	Upper Heyford	23·2	+2	SW'S	3	bc	51	85	47	8	1	-	6	1	4-6	2500	0	*
4	Ross-on-Wye	22·1	0	WSW	4	b	54	75	47	8	7	-	1	1	1	3800	0	*
5	Hartland Point	22·6	0	W	4	PR	55	75	46	8	3	-	4	4-6	4-6	2700	1	4
	Bristol ...	23·7	-2	SSW	3	c-bc/pr	53	85	49	8	8	-	3	4-6	7-8	2500	0	*
	Portland Bill ...	24·7	+4	W	4	c-bc	57	85	53	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth ...	24·8	-6	W'S	3	bc	55	85	49	7	2	4	2	Tr	4-6	2500	0	2
	The Lizard ...	25·0	+2	W	4	c-bc	55	85	51	8	8	9	-	7-8	7-8	2500	0	4
	Scilly (St. Mary's)	24·7	-2	W'S	4	c-bc/p	55	85	49	8	2	6	5	4-6	7-8	1500	0	4
	Guernsey ...																	
6	Pembroke ...	21·9	0	W'N	4	bc	54	85	50	8	8	4	-	2-3	4-6	3000	0	4
7	Holyhead (Valley)	19·8	+2	SW'W	5	bc	55	75	47	8	8	8	-	2-3	4-6	2500	1	4
	Chester (Sealand)	20·0	+2	WSW	1	b-bc	56	75	47	8	2	-	-	2-3	2-3	3500	0	*
8	Manchester ...	19·9	-2	SW	4	b-bc	52	85	47	8	2	6	-	2-3	2-3	2500	1	*
10	Spurn Head ...	20·0	+0	WSW	4	bc	53	75	47	7	4	3	-	2-3	4-6	4000	0	3
	Catterick (Sc.)...	17·9	-2	WSW	4	pr	55	75	47	8	8	-	-	7-8	7-8	2000	1	*
	Tynemouth ...	17·4	-2	WSW	4	b-bc	56	65	43	7	2	-	-	2-3	2-3	2500	1	3
11	St. Abbs Head	13·1	-8	SW	4	b-bc	53	85	47	7	1	-	-	2-3	2-3	4000	0	3
	Leuchars ...	13·5	0	SW	3	pr	49	92	47	8	9	6	-	4-6	7-8	2000	1	*
12	Renfrew (Abbotsl.)	13·6	-2	WSW	3	pr	51	85	47	8	9	6	-	2-3	9+	1000	1	*
	Eskdalemuir ...	15·3	-8	SW	4	pr	49	85	45	8	5	3	-	9	9+	1500	1	*
	Point of Ayre...	17·0	0	W	6	bc	54	75	46	8	2	4	-	2-3	4-6	2000	0	4
13A	Tiree	10·3	-10	SW'S	5	bc	52	75	45	8	9	6	3	1	4-6	2000	1	4
13B	Stornoway ...	05·8	-10	SSW	5	bc	52	85	46	8	3	6	-	4-6	4-6	2400	1	3
15	Dalwhinnie ...	11·0	-6	SW	3	ir	46	85	43	7	5	4	-	4-6	7-8	1500	1	*
	Aberdeen † ...	11·2	-8	SW	2	b-bc	54	65	43	9	1	4	1	1	2-3	2000	0	2
	Wick ...	08·9	-2	SSW	3	bc	52	75	45	9	5	3	-	2-3	4-6	3000	0	*
16	Sumburgh ..	07·9	-2	SW	4	c	51	85	47	8	5	-	-	9	9	2500	0	3
17	Blacksod Point	14·1	-2	WSW	6	c	53	75	45	8	8	-	-	9	9	2500	1	4
18	Malin Head ...	11·6	-16	SSW	5	pr	50	85	46	8	9	-	1	4-6	7-8	2500	1	4
	Aldergrove ...	15·5	-4	SSW	3	c	51	85	46	8	8	4	-	9	9	1200	1	*
19	Birr Castle ...	17·9	-6	SSW	3	b-bc	52	75	44	8	5	-	-	2-3	2-3	2500	0	*
20	Valentia Obsy.	19·9	-2	WSW	4	bc/pr	53	75	45	8	2	-	-	4-6	4-6	2500	1	4
	Roches Point	20·7	-2	W'S	3	bc	52	85	48	8	3	4	-	4-6	4-6	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 12th Hrs. (38)
1	London (Kew)	68	51	40	-	-	11·2
	Croydon ...	69	47	39	-	-	13·1
	S. Farnborough	68	44	36	-	-	13·6
	Boscombe Down	64	42	36	-	-	13·6
	Thorney Island	69	44	37	-	-	*
	Lympne ..	69	40	32	-	-	10·8
	Manston ...	70	46	43	-	-	9·0
2	Shoeburyness ...	71	49	43	-	-	10·8
	Felixstowe ...	72	49	45	-	-	11·7
	Gorleston ...	68	47	43	-	-	7·6
	Mildenhall ...	69	46	39	-	Tr	11·9
	Cranwell ...	66	47	45	-	-	13·0
3	Birmingham ...	63	46	39	-	-	11·2
	Upper Heyford	66	45	36	-	-	*
4	Ross-on-Wye	64	46	41	-	-	12·3
5	Hartland Point	59	53	50	-	1	14·2
	Bristol ...	62	48	41	-	Tr	13·2
	Portland Bill ...	60	54	*	-	-	*
	Plymouth ...	63	51	41	-	-	13·7
	The Lizard ...	61	51	*	-	0·5	14·0
	Scilly (St. Mary's)	61	52	*	-	-	10·2
	Guernsey ...						
6	Pembroke ...	57	51	*	-	Tr	1·3
7	Holyhead (Valley)	61	51	48	-	-	*
	Chester (Sealand)	65	49	41	-	-	15·0
8	Manchester ...	61	47	43	1	0·2	*
10	Spurn Head ...	64	50	*	-	-	11·5
	Catterick (Sc.)...	62	45	39	Tr	Tr	13·4
	Tynemouth ...	63	52	49	Tr	Tr	*
11	St. Abbs Head	61	47	*	-	-	*
	Leuchars ...	61	48	45	1	1	11·5
12	Renfrew (Abbotsl.)	59	49	43	2	1	11·6
	Eskdalemuir ...	58	45	31	5	2	8·5
	Point of Ayre...	63	50	*	0·2	0·3	11·7
13A	Tiree	57	49	46	4	1	8·8
13B	Stornoway ...	59	47	44	1	4	4·9
15	Dalwhinnie ...	52	43	40	5	7	2·0
	Aberdeen † ...	63	48	43	-	-	13·4
	Wick ...	60	46	43	6	-	*
16	Sumburgh ..	56	49	45	0·1	0·2	9·3
17	Blacksod Point	58	48	*	1	2	*
18	Malin Head ...	57	45		4	0·5	9·8
	Aldergrove ...	60	47	46	3	0·1	9·5
19	Birr Castle ...	61	46	43	1	-	10·0
20	Valentia Obsy.	58	49	46	1	0·6	10·6
	Roches Point	61	49		0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	C_L C_M	wwVhNh	DDFWN	C_L C_M	wwVhNh	DDFWN
109	84	02853	17315	17	25853	54484
115				52	81844	20586
203						
206	82	81865	20487	83	25964	53485
210	14	02964	5426	26	02964	22425
219	86	02875	19586	20	01853	20683
230	2-	25854	53584	86	02855	53485
245	28	02855	22516	26	01953	22483
260	3-	02855	22515	10	01844	22424
278	36	82856	22427	96	81846	20387
279	36	02844	21724	86	81855	55486
285	23	01854	24515			
288	20	01964	21514	16	01962	22513
575	2-	25855	51585	2-	02755	51525
301	20	01853	22513	36	01862	22613
321	86	02765	25415	86	25764	24385
290	20	01744	24414	10	01754	22414
292	10	01864	22424	26	01864	22414
310						
614	2-	02855	57425	20	01854	22314

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

III	C_L C_M	wwVhNh	DDFWN	C_L C_M	wwVhNh	DDFWN
109	87	81645	20417	5-	01753	19483
115	57	81844	20587	54	02854	20585
203	6-	82736	20586			
206	86	81854	22384	34	81854	20584
210	46	01963	20813	26	01962	20413
219	3-	02845	52685	36	01854	19585
230	9-	25655	21385	93	25856	20488
245	40	01953	22203	14	01853	20514
260	57	02755	22216	86	02854	20485
278	86	02854	20285	53	02843	22325
279	5-	02855	21486	3-	81834	22527
285						
288	44	01861	14211	14	01854	18414
575	33	01753	53584	34	02754	18225
301	24	01751	22413	26	01852	22514
321	00	00790	20210	80	05665	22385
290	40	01751	22301	54	01753	22213
292	5-	01761	19112	2-	02855	22115
310						
614	00	05690	22113	10	01764	22314

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

III	C_L C_M	wwVhNh	DDFWN	C_L C_M	wwVhNh	DDFWN
388	10	01864	54504	26	01864	53584
334	--	02744	28315			
340	64	00205	05352	14	01963	57513
136	83	02865	25626	26	01963	24413
336	10	01755	24515	50	01754	28414
850	10	01864	23424	26	02854	23315
368	80	01854	22414	84	01854	24415
379	70	02854	24415	26	01853	55413
390	20	01864	26314	10	01854	22314
382	20	01854	24314	16	01962	24412
438	10	01762	24412	20	01762	24512
430	10	01854	24314	10	01863	25313
409	2-	01854	23414	2-	01854	24414

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

III	C_L C_M	wwVhNh	DDFWN	C_L C_M	wwVhNh	DDFWN
388	83	01854	20414	20	01854	22414
334						
340	04	01890	22313	74	01863	22414
136	00	00790	22200	16	01741	22313
336						
850	40	01761	20381	14	01762	22414
368	20	02745	22515	83	25744	22484
379	03	01890	22313			
390	00	05690	24214	10	01751	22314
382	00	02700	22124	23	02852	21326
438				75	01763	24314
430	50	01790	26111	10	01853	20215
409	26	02855	22415	2-	02854	21325

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 June

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cbcy	bcy	bcbybcw	Kew 24 hours ended 7h. Max Time 20·1
Croydon ...	bcy	bcy	bcybcwbo	
Greenwich ...	bcy	bcy	bbcy	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	Min. Time whole period
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 % Today
Kew ...	68	51	40	-	-	11·2	*	*
Croydon	69	57	39	-	-	13·1	*	*
Greenwich ...	70	47	37	-	-	10·7	35	57
Westminster ...	70	50	45	-	-		79	69
Regents Park ..								
Camden Square	70	50	45	-	-	*	*	75
Kensington ...	70	49	39	-	-		43	59
Hampstead ...	68	46	40	-	-		*	59

SECRET

Page 1 BRITISH SECTION

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

Monday 14th June 1943

No. 29789

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·7	-20	WNW	3	c	63	45	40	2	8	5	3	7-8	9	2500
	Croydon	22·7	-12	SW	3	pr	63	45	44	8	2	6	-	9	9+	2500
	S. Farnborough	22·4	-6	WSW	4	c-bc	63	45	44	8	8	7	4	4-6	7-8	2000
	Boscombe Down	22·7	-2	WSW	3	pr	55	85	52	7	3	·	-	9+	9+	2000
	Thorney Island	23·1	-10	SW	5	bc	63	55	47	9	2	6	2	2-3	4-6	2500
	Lympne	23·2	-8	SW	3	bc/pr	60	65	49	8	2	-	-	4-6	4-6	2000
	Manston	22·5	-10	SW'W	4	c-bc	62	65	47	8	8	-	·	7-8	7-8	3000
2	Shoeburyness	21·8	-4	WSW	3	c-bc	66	45	44	8	2	-	-	7-8	7-8	2500
	Felixstowe	21·8	-6	WSW	4	c-bc	64	45	44	8	8	-	-	7-8	7-8	4000
	Gorleston	20·4	-6	WSW	3	bc	66	45	41	7	2	-	·	4-6	4-6	2500
	Mildenhall	20·6	-10	SW'W	4	c-bc	62	65	50	8	8	-	2	7-8	7-8	4000
	Cranwell	19·3	-14	W	5	bc	64	45	41	9	1	-	-	4-6	4-6	3000
3	Birmingham	20·5	-4	SW	3	c-bc	57	65	46	8	8	7	-	4-6	7-8	2500
	Upper Heyford	20·7	-14	WSW	4	c/pr	62	55	46	8	2	-	6	4-6	9	3000
4	Ross-on-Wye	20·7	-10	WSW	4	c-bc	60	55	43	8	2	-	3	7-8	7-8	3500
5	Hartland Point	23·0	-8	W	4	bc	57	75	48	8	2	-	-	1	4-6	2500
	Bristol	22·4	-8	WSW	3	c-bc/pr	60	65	50	8	2	6	3	4-6	7-8	4000
	Portland Bill	23·4	-16	WSW	4	c	57	85	53	8	2	4	-	4-6	10	4000
	Plymouth	24·1	-6	WSW	4	c	59	75	51	8	2	-	2	7-8	9	3000
	The Lizard	24·3	-6	W	4	c-bc	58	75	50	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	24·0	-6	WSW	4	c	62	65	50	8	2	3	5	4-6	9	1500
	Guernsey															
6	Pembroke	21·6	-2	W'S	4	bc	57	75	50	8	2	7	1	4-6	4-6	3000
7	Holyhead (Valley)	18·8	-6	SW'S	5	b-bc	59	75	49	8	3	6	·	1	2-3	3500
	Chester (Sealand)	18·5	-10	W'S	4	c-bc	64	55	45	9	2	-	-	7-8	7-8	3000
8	Manchester	18·5	-6	SW	5	bc	63	45	40	9	2	6	-	4-6	4-6	4000
10	Spurn Head	18·9	-2	WSW	4	bc	63	45	43	7	7	3	-	4-6	4-6	2500
	Catterick (Sc)	16·8	-8	WSW	5	bc	61	45	41	9	1	-	-	4-6	4-6	2500
	Tynemouth	16·5	-4	WSW	3	bc/pr	56	75	47	7	2	-	-	7-8	7-8	1500
11	St. Abbs Head	12·2	-4	SW	4	c-bc/pr	57	97	56	8	2	-	-	4-6	7-8	3000
	Leuchars	11·7	-10	SW	5	pr	58	55	42	8	9	6	-	7-8	9	2000
12	Renfrew (Abbots I.)	12·6	-6	SW	4	pr	56	85	50	8	7	6	3	4-6	7-8	1000
	Eskdalemuir	13·9	-6	SW	6	c-bc/pr	54	75	46	8	8	4	-	7-8	7-8	1700
	Point of Ayre	16·0	-8	W'S	6	c-bc	61	55	45	8	8	-	·	7-8	7-8	2500
13A	Tiree	10·2	+2	SW'W	5	bc	55	75	48	9	2	6	-	2-3	4-6	2500
13B	Stornoway	05·7	-2	SW	6	c/pr	56	75	46	8	3	-	-	9+	9+	1800
15	Dalwhinnie	10·1	-4	SW	4	iR	50	85	45	7	5	7	-	7-8	9+	1500
	Aberdeen	10·3	-4	SW	3	pr	57	85	40	8	3	6	3	4-6	9	4000
	Wick	08·3	-6	SW	4	c-bc	58	65	47	9	8	3	1	7-8	7-8	3000
16	Sumburgh	07·7	-8	SSW	4	c-bc	54	85	46	8	8	6	5	4-6	7-8	2000
17	Blacksod Point	14·6	+2	WSW	6	bc	57	75	49	8	8	-	-	4-6	4-6	2500
18	Malin Head	11·4	-2	W	5	bc	55	85	51	8	8	-	-	4-6	4-6	2500
	Aldergrove	14·0	-10	WSW	4	PR	60	75	50	7	3	-	3	4-6	9	2000
19	Birr Castle	16·9	-6	WSW	4	c-bc	59	55	43	8	8	-	-	7·8	7·8	1500
20	Valentia Obsy.	19·7	-2	WSW	5	bc/pr	55	85	51	8	3	-	-	4-6	4-6	2500
	Roches Point	19·6	-10	W'S	4	bc	57	75	49	8	3	-	3	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20·3	-6	SW	3	c	59	65	46	8	8	3	·	9	9+	2500	0	*
Croydon	21·3	-6	SSW	2	c	59	65	47	8	4	6	-	4-6	9	2500	0	*
S. Farnborough	20·7	-12	W'S	4	pr	60	65	46	8	8	7	-	9	10	1800	1	*
Boscombe Down	21·1	-8	SW'W	2	pr	53	92	51	7	8	6	-	7-8	9+	600	1	*
Thorney Island	21·1	-8	SW'W	4	c-bc	60	65	49	9	1	3	3	2-3	7-8	2500	0	*
Lympne	21·4	-8	SW	4	c	57	75	47	8	2	7	·	1	9	2500	0	SS
Manston	20·9	-6	SW'W	4	c	60	55	44	8	2	7	6	2-3	9	4000	0	*
Shoeburyness	20·5	-2	SW'W	3	c	60	65	47	7	4	1	-	7-8	9+	2500	0	*
Felixstowe	19·5	-10	SW	4	c	64	65	51	8	8	7	-	4-6	9+	4000	0	3
Gorleston	18·7	-6	W	2	c-bc	63	45	42	7	8	8	·	4-6	7-8	2500	0	3
Mildenhall	18·4	-10	SW	4	c	63	65	50	8	8	7	2	4-6	9	2500	0	*
Cranwell	17·5	-4	SW	3	c-bc	61	55	45	8	2	6	3	2-3	7-8	3000	0	*
Birmingham	18·4	+8	WNW	3	c-bc/pr	57	65	46	8	8	7	·	4-6	7-8	1500	1	*
Upper Heyford	18·8	-10	W'S	4	c-bc	60	55	42	8	2	6	3	2-3	7-8	3000	0	*
Ross-on-Wye	19·3	-8	WSW	4	bc	60	55	44	8	2	-	·	4-6	4-6	3500	0	*
Hartland Point	20·1	-8	W	4	bc	57	65	46	8	2	4	-	4-6	4-6	2000	1	4
Bristol	20·9	-8	W'S	4	bc	59	65	46	8	2	4	-	1	4-6	4000	0	*
Portland Bill	21·7	-12	SW	4	c	57	85	53	8	2	4	·	4-6	10	4000	1	4
Plymouth	22·2	-10	W'S	4	c-bc/pr	57	75	50	8	2	3	4	4-6	7-8	2500	0	2
The Lizard	22·4	-8	W.	5	bc	58	75	50	8	2	9	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	22·4	-6	W'S	4	c-bc/pr	57	75	49	8	8	4	4	4-6	7-8	1500	1	4
Guernsey																	
Pembroke	19·3	-8	W	5	bc	55	85	50	8	2	6	-	4-6	4-6	3000	0	4
Holyhead (Valley)	16·9	-8	SW'S	6	c-bc	57	75	51	8	2	6	-	2-3	7-8	3000	1	4
Chester (Sealand)	16·9	-10	W	4	bc	60	55	43	9	2	-	-	4-6	4-6	2500	0	*
Manchester	17·0	-6	SW	4	bc	61	45	41	9	4	6	-	2-3	4-6	3000	0	*
Spurn Head	17·4	-6	SW	4	c-bc	67	45	43	7	2	3	-	4-6	7-8	1500	0	3
Catterick (Sc)	16·0	+2	WSW	4	bc	59	65	45	8	1	-	-	4-6	4-6	2000	1	*
Tynemouth	15·2	-4	SW	4	bc	60	45	30	7	2	3	1	4-6	4-6	2200	0	3
St. Abbs Head	10·9	-4	SW	4	c-bc	57	75	47	9	1	4	-	4-6	7-8	3500	0	3
Leuchars	10·6	-2	WSW	4	bc	57	65	45	9	2	-	8	4-6	4-6	2500	0	*
Renfrew (Abbots I.)	11·4	-6	S	3	pr	52	92	50	7	3	7	1	2-3	7-8	1400	1	*
Eskdalemuir	13·0	-8	SW	4	c-bc	53	65	43	8	8	4	-	4-6	7-8	2500	1	*
Point of Ayre	14·3	-8	W	5	b-bc	61	65	47	8	5	6	·	Tr	2-3	2500	1	4
Tiree	09·7	-8	WSW	4	bc	55	85	50	8	3	6	1	4-6	4-6	2200	0	4
Stornoway	05·9	0	SW	4	c-bc/pr	55	85	49	8	2	6	2	4-6	7-8	1800	1	3
Dalwhinnie	-	-4	SW	4	c-bc	50	65	38	7	5	7	-	4-6	7-8	2500	1	*
Aberdeen	08·8	-6	WSW	3	c-bc	61	45	39	8	3	9	3	2-3	7-8	5000	0	2
Wick	07·5	0	SW	4	pr	57	75	49	8	8	7	-	4-6	9+	2000	0	*
Sumburgh	06·5	-2	SW	4	pr	51	85	47	8	8	7	-	7-8	9	1500	1	3
Blacksod Point	14·9	+2	WSW	6	c-bc	55	75	47	8	8	-	-	7-8	7-8	2500	1	4
Malin Head	11·3	+2	W'N	5	c-bc	54	75	46	8	8	-	-	7-8	7-8	2500	1	4
Aldergrove	13·5	-6	WSW	3	cjp	55	75	47	9	3	6	3	4-6	9	2000	1	*
Birr Castle	16·3	-6	W	3	bc	58	55	42	8	3	-	-	4-6	4-6	1500	0	*
Valentia Obsy.	19·1	-2	WSW	4	c-bc	55	75	48	8	8	6	-	7-8	7-8	2500	1	4
Roches Point	18·2	-8	W	4	bc/pr	56	85	52	8	3	-	3	4-6	4-6	1500	1	4

PAST 24 HOURS. Weather.

Stations	7h.—13h. 13th (39)	13h.—18h. 13th (40)	18h. 13th to 1h. 14th (41)	1h.—7h. 14th (42)
London (Kew)	qprocy	c pro prc	pro cbc	bcbbcw
Croydon	cypro	cyproc	cproc	cbc
S. Farnborough	bcqyprocy	cyprqprocy	cprprocbcqpro	cbcb w
Boscombe Down	bcero	cproqpro	cprobcbbc	bcb
Thorney Island	cwbcy	bcybcc	c	cb
Lympne	bccycpro	c	c	c
Manston	bcy	bccytrorbcy	cycbcc	c
Shoeburyness	cy	c	c	cbc
Felixstowe	bccy	cyc	c	cbc
Gorleston	bcy	bcc	bcprobc	bc
Mildenhall	bbcc	cb cproc	c,b	bc
Cranwell	bcyv	bccproyv	bcyvb	bbc
Birmingham	bcpro	bcpr	cprobc	bc
Upper Heyford	cbcpro	cy	cyb	bbc
Ross-on-Wye	bcc	cy bcy	bcb	bw
Hartland Point	bcpv	bc	bcc	cprbc
Bristol	bccpro	cbcy	bbprob	bcprocpRcpr
Portland Bill	c	bc	bcc	c
Plymouth	bccpro	cpro	cbcb	bcproc
The Lizard	cprc	cbc	cbcbc	bcp rc
Scilly (St. Mary's)	cbcc	cbbp	bc	bcpc
Guernsey				
Pembroke	bc	bc	bcpro	cq
Holyhead (Valley)	b	bbc	bcc	bcc
Chester (Sealand)	b,c,cy	bccy	bcy,b	cpro
Manchester	bcy	bcy	bcybcc	cprobc
Spurn Head	bc	bc	bc	cmo
Catterick (Sc)	bcprbcyr	bcy	bcpro	bc
Tynemouth	bcpo	bc	bc	bc
St. Abbs Head	cpr	cprc	cbc	cbc
Leuchars	bcprproy	cyc	cbcyciroc	bcbc
Renfrew (Abbots I.)	cmopR cpr	cprcpro	cpromocpro	cmoprcpro
Eskdalemuir	cprc	cprorr	c	bccpr
Point of Ayre	bccy	cb	cprob	bbcc
Tiree	cprbc	bccbc	c	cbcpro
Stornoway	bccprc	cjpcpr	bccproc	cirocpro
Dalwhinnie	circ	ciro		ciroc
Aberdeen	bccqy	bcrprobcy	bcy*cbcb	bbc
Wick	bcc	cpro cpro	cproc	cbcciroc
Sumburgh	cbc	bccpro	cproc	cpro c
Blacksod Point	bc	c	pr	c
Malin Head	pr	pr	pr	pr
Aldergrove	cprocjp	ccpRcjp	probcc	cbcc
Birr Castle	pr	pr	pr *	pr
Valentia Obsy.	pr	pr	bc	pr
Roches Point	pr	pr	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 14th June 1943

Districts.

1 S.E. England
2 E. England
3 E. Midlands
4 W. Midlands
5 S.W. England
6 South Wales
7 North Wales
8 N.W. England
9 N. Midlands
10 N.E. England
11 S.E. Scotland
12 S.W. Scotland & Isle of Man
13A W. Scotland
13B N.W. Scotland
14 Mid Scotland
15 N.E. Scotland

Moderate or fresh west to northwest winds, thundery showers, with local thunderstorms and bright intervals; appreciable clearances in eastern districts tonight; rather cool.

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

As 1-15

GENERAL INFERENCE

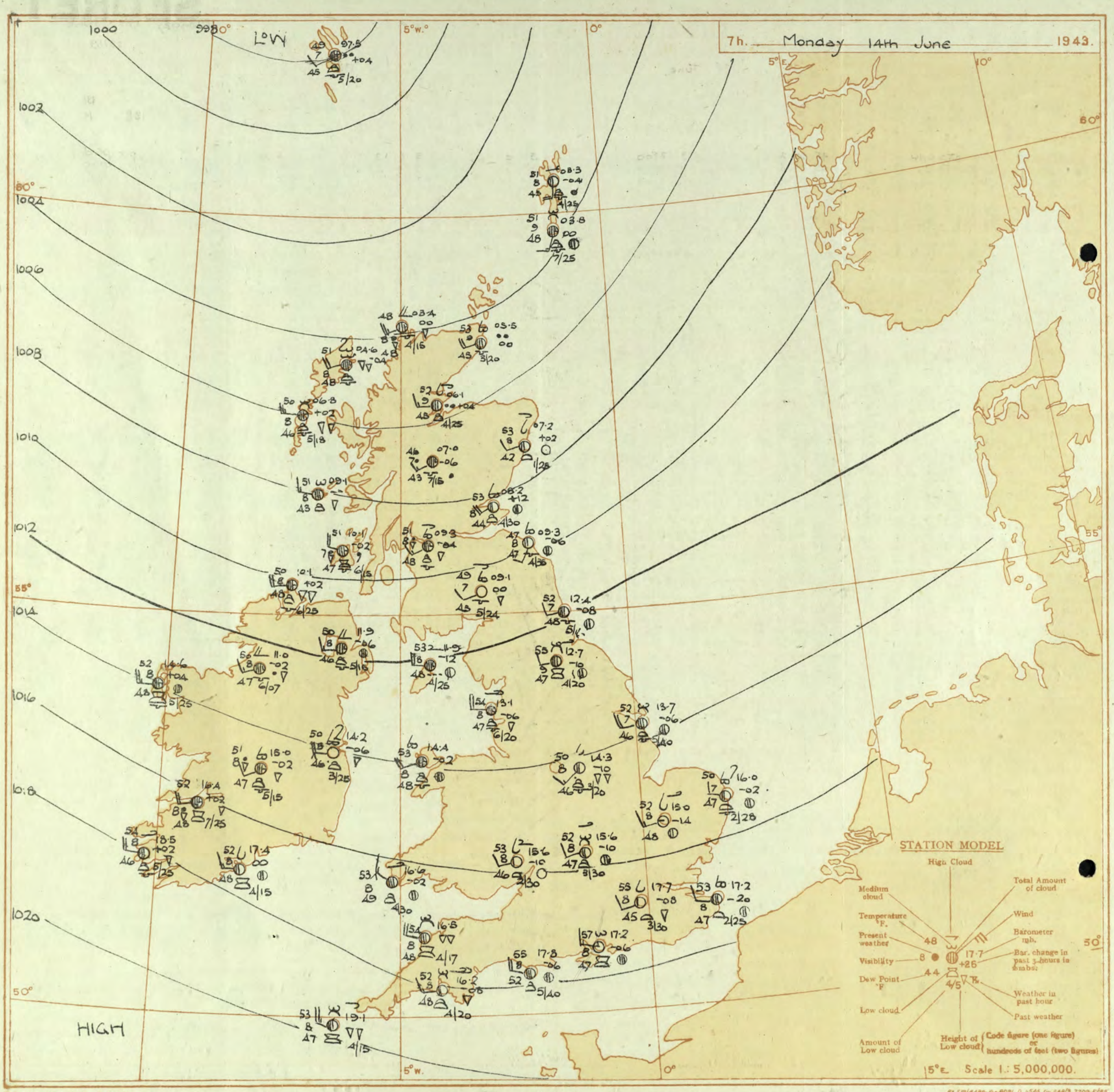
A depression near Iceland is moving slowly eastwards, and unstable polar air covers the British Isles; there will be thundery showers and local thunderstorms in all areas; rather cool.

FURTHER OUTLOOK

Little change, but showers becoming slight in southwestern districts.

Forecasts issued at 10·30

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



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

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

Explanation of Frontal Lines shown on Charts

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

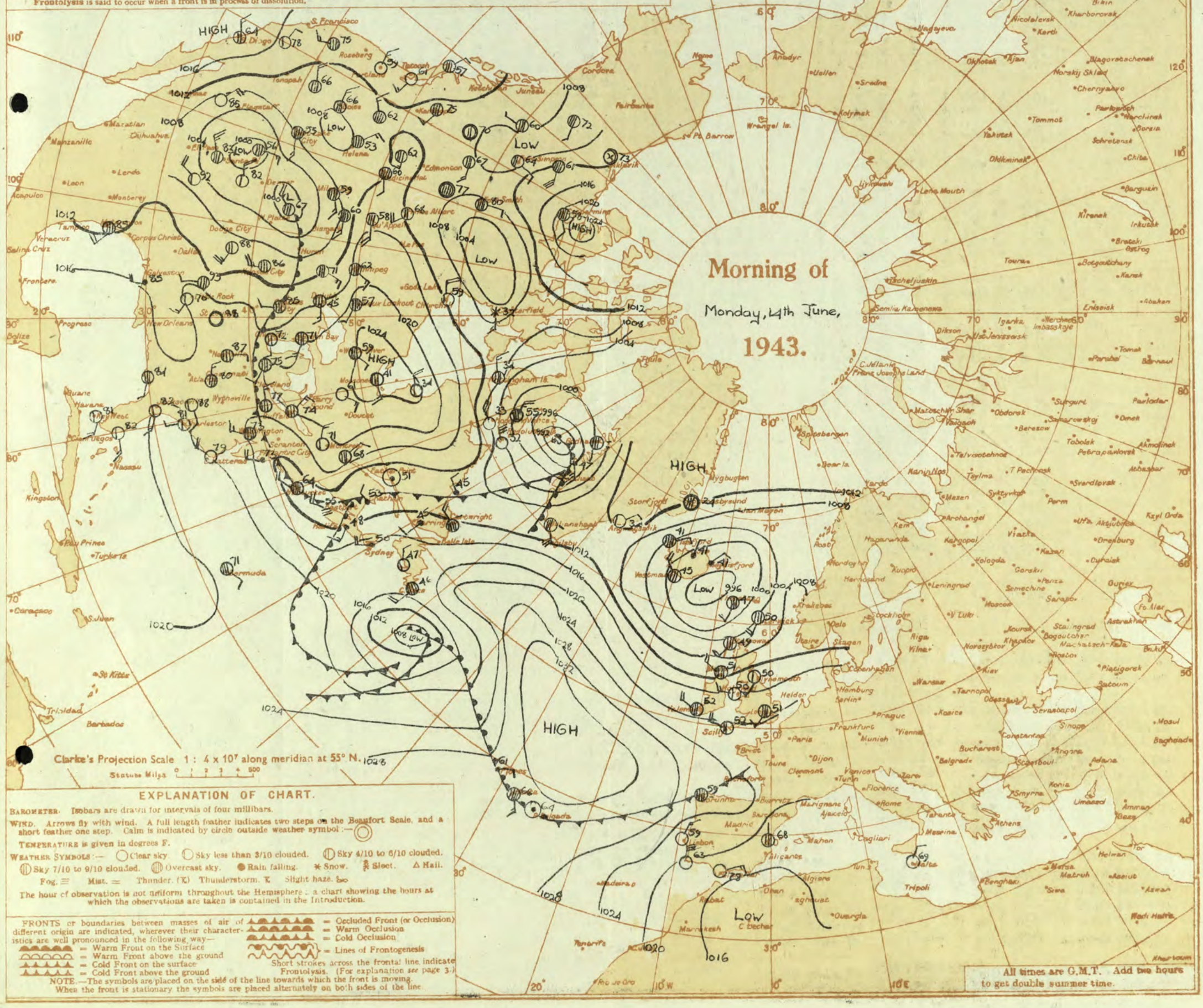
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4.

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

BRITISH SECTION

Monday 14th June 1943

No. 29789

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

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	19·8	-8	SW	2	c	51	85	46	8	4	-	3	4-6	9+	3000
	S. Farnborough	226	19·0	-10	W	2	c/pr	49	85	45	8	5	7	-	4-6	9+	3000
	Boscombe Down	417	19·4	-10	SW'S	1	bc	44	97	43	7	-	-	6	0	4-6	-
	Thorney Island	10	19·4	-8	WNW	2	c	52	85	49	8	5	2	-	4-6	10	4000
	Lympne	283	20·1	-6	WSW	1	c	52	92	49	8	-	7	-	0	9	-
	Manston	154	19·2	-10	W'S	1	c	52	85	48	8	-	7	6	0	9	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·1	-10	WSW	2	c	55	75	47	8	5	-	-	9+	9+	5100
	Gorleston	5	17·6	-8	SSW	2	bc	51	85	46	7	5	4	-	2-3	4-6	2500
	Mildenhall	15	17·5	-10	SW	2	b-bc	50	92	47	8	5	-	-	2-3	2-3	5700
	Cranwell	203	16·6	-8	WSW	4	b	48	85	43	8	-	4	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·5	-6	WSW	1	b-bc	45	92	43	8	4	-	-	2-3	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·2	-14	NW	4	c-bc	53	85	47	8	3	-	4	7-8	7-8	1500
	Bristol	209	19·4	-10	-	0	b	47	92	46	8	2	-	2	1	1	2500
	Portland Bill	32	19·2	-14	SW	4	c-bc	55	85	51	8	5	-	-	7-8	7-8	4000
	Plymouth	82	20·7	-8	WSW	2	b-bc	51	92	49	8	8	4	1	Tr	2-3	2500
	The Lizard	240	20·8	-10	NNW	3	bc	51	85	47	8	2	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	10·6	-8	W'N	5	bc	52	75	46	8	8	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	18·1	-2	NW	4	bc	54	85	50	8	8	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	15·9	-4	WSW	4	c	53	85	48	8	8	6	-	4-6	9	2500
	Chester (Sealand)	16	15·6	-6	W	3	c	53	75	47	7	5	3	-	7-8	9	3000
8	Manchester	235	16·1	-10	S'E	2	c	50	85	45	8	5	-	-	9+	9+	2500
10	Spurn Head	29	16·6	-2	WSW	3	b-bc	51	85	49	7	1	-	-	2-3	2-3	4000
	Catterick (Sc)	192	14·3	-8	SW	3	bc/pr	50	85	46	8	5	3	-	2-3	4-6	2000
	Tynemouth	108	14·4	-4	WSW	3	b-bc	50	85	46	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	09·7	-4	SW	4	c-bc	49	92	47	8	5	4	-	4-6	7-8	4000
	Leuchars	36	09·3	-8	SW	3	bc	49	85	45	8	7	7	-	2-3	4-6	3500
12	Renfrew (Abbots I.)	19	11·0	-4	WSW	3	z0	50	85	47	6	8	4	2	7-8	9	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13·8	+4	W	3	b-bc	50	92	48	8	5	-	-	2-3	2-3	2500
13A	Tiree	44	09·8	0	WSW	3	c-bc	50	92	47	8	8	3	-	2-3	7-8	2000
13B	Stornoway	15	05·4	-6	SW	4	c-bc	49	85	46	7	8	3	-	7-8	7-8	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	08·8	+4	WSW	3	b-bc	46	92	44	9	4	-	-	2-3	2-3	2500
	Wick	114	07·2	-2	SSW	1	c/pr	49	92	47	8	8	7	-	7-8	10	2800
16	Sumburgh	19	04·9	-10	SSW	4	c/pr	50	92	47	8	5	-	-	9+	9+	2000
17	Blacksod Point	18	14·8	0	W	5	c-bc	52	85	48	8	8	-	-	10	10	2500
18	Malin Head	84	11·0	-8	WNW	4	pr	51	85	47	8	8	-	-	7-8	7-8	2500
	Aldergrove	268	13·5	-2	WSW	3	c-bc	50	85	46	8	8	-	-	7-8	7-8	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·1	+2	WNW	4	c-bc	52	85	48	8	8	-	1	7-8	7-8	2500
	Roches Point	22	18·3	-2	W'S	3	bc	50	92	48	8	5	-	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	16·4	-6	SW'W	2	b-bc	54	75	46	8	7	-	-	2-3	2-3	2500	0	*
Croydon	17·7	-8	WSW	2	b-bc	55	65	45	8	1	4	-	2-3	2-3	3000	0	*
S. Farnborough	16·7	-6	W'S	3	b	55	65	44	8	8	7	-	Tr	1	2500	1	*
Boscombe Down	17·5	-6	W'S	2	b	52	85	47	8	2	4	-	Tr	1	3500	0	*
Thorney Island	17·2	-6	W'N	3	b	57	75	47	8	3	3	-	1	1	4000	0	*
Lympne	17·3	-2	SW	2	c-bc	52	85	49	8	5	8	-	Tr	7-8	1200	0	§ *
Manston	17·2	-10	W	2	c-bc	53	75	47	8	1	7	6	1	7-8	2500	0	*
Shoeburyness	16·9	-8	W'N	3	z0	57	75	49	6	1	4	-	1	2-3	1500	0	*
Felixstowe	16·0	-18	W'S	3	bc	53	85	47	7	1	7	-	Tr	4-6	4000	0	
Gorleston	16·0	-2	W	2	bc	50	85	47	7	7	7	4	1	4-6	2800	0	3
Mildenhall	15·0	-14	WSW	3	b	52	85	48	8	-	4	1	0	Tr	-	0	*
Cranwell	14·2	-6	WSW	4	b-bc	52	75	45	8	5	3	-	Tr	2-3	2500	0	*
Birmingham	14·7	-10	SW	3	bc/pr	49	85	44	8	8	7	5	1	4-6	2500	1	*
Upper Heyford	15·6	-10	SW'W	2	bc	52	85	47	8	2	6	1	2-3	4-6	3000	0	*
Ross-on-Wye	15·6	-10	SW	2	b-bc	53	75	46	8	2	4	5	1	2-3	3000	0	*
Hartland Point	16·5	-2	WNW	4	c-bc/pr	54	85	48	8	3	6	4	4-6	7-8	1700	1	3
Bristol	16·5	-14	WSW	3	b-bc/pr	52	85	49	8	3	6	3	2-3	2-3	1500	1	*
Portland Bill	17·8	-6	W	4	c-bc	55	85	42	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	18·6	-12	W'N	3	pr	53	85	50	8	2	6	2	1	7-8	3000	1	2
The Lizard	19·0	-6	NW	4	c-bc	51	92	49	8	2	6	-	7-8	7-8	2500	1	4
Scilly (St. Mary's)	19·1	+2	WNW	5	c-bc/pr	53	75	47	8	3	6	3	4-6	7-8	1500	1	4
Guernsey																	
Pembroke	16·6	-2	WNW	3	c-bc-q	53	85	48	8	2	-	1	4-6	7-8	3000	0	3
Holyhead (Valley)	14·4	-2	W'S	4	c	53	85	47	8	8	7	-	9	9+	1500	1	3
Chester (Sealand)	13·8	-8	W'S	1	c-bc	52	75	46	7	8	4	-	4-6	7-8	3000	1	*
Manchester	13·9	-10	WSW	4	z0	53	85	48	6	3	6	3	7-8	9	1500	0	*
Spurn Head	13·7	-6	WSW	4	c-bc	52	85	46	7	7	6	-	7-8	7-8	4000	0	3
Catterick (Sc)	12·7	-10	WSW	2	c-bc	55	75	47	9	3	6	1	4-6	7-8	2000	1	*
Tynemouth	12·4	-8	WSW	2	c-bc	52	85	47	7	5	-	-	7-8	7-8	1600	0	2
St. Abbs Head	09·3	-6	SSW	2	c-bc	47	97	47	8	5	7	-	4-6	7-8	3500	0	3
Leuchars	08·2	+12	SW	4	bc	53	75	44	8	2	7	9	4-6	4-6	3000	1	*
Renfrew (Abbots I.)	09·3	-4	SW'S	3	pr	51	92	48	8	8	7	3	4-6	9+	800	1	*
Eskdalemuir	09·1	0	SW'W	2	c	49	85	45	7	5	7	1	7-8	9	2400	1	*
Point of Ayre	11·9	-12	W'N	4	c	53	85	48	8	6	-	5	4-6	9+	2500	0	4
Tiree	09·1	0	W'N	3	c-bc	51	75	43	8	2	3	2	2-3	7-8	2500	0	4
Stornoway	04·6	-4	WSW	4	c/pr	51	85	48	8	8	3	9	7-8	9+	1500	1	2
Dalwhinnie	07·0	-6	SW'W	3	ir0	46	85	43	7	5	-	-	9+	9+	1500	1	*
Aberdeen †	07·2	-2	WSW	2	bc	53	65	42	8	1	4	1	Tr	4-6	2500	0	2
Wick	05·5	0	SW'W	4	c-bc/r	53	75	45	9	5	7	-	2-3	7-8	2000	0	*
Sumburgh	03·8	0	SSW	3	c	51	85	48	9	8	6	-	9	9+	2500	1	3
Blacksod Point	14·6	+4	W'N	5	c	52	85	47	8	9	-	6	7-8	9	2500	1	4
Malin Head	10·1	+2	W	4	c/pr	50	92	48	8	8	-	-	9	9	2500	2	4
Aldergrove	11·9	-6	WSW	3	cjp	50	85	46	8	8	2	-	7-8	9+	1500	1	*
Birr Castle	15·0	-2	SW	2	pr	51	85	46	8	8	7	-	7-8	9	1500	1	*
Valentia Obsy.	18·5	+2	WNW	4	c-bc	54	75	46	8	8	-	1	7-8	7-8	2500	1	4
Roches Point	17·4	0	W	3	bc	52	85	47	8	3	4	-	4-6	4-6	1500	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 13th Hrs. (38)
London (Kew)	64	51	42	0·3	Tr	4·2
Croydon	65	49	46	0·1	Tr	9·4
S. Farnborough	65	46	39	0·2	0·3	8·8
Boscombe Down	64	41	37	3	0·2	6·7
Thorney Island	64	47	42	Tr	-	*
Lympne	65	48	48	Tr	-	11·3
Manston	65	51	49	Tr	-	9·7
Shoeburyness	67	51	49	-	-	9·9
Felixstowe	69	51	40	-	-	9·9
Gorleston	66	48	44	-	Tr	11·0
Mildenhall	67	46	41	Tr	Tr	10·5
Cranwell	65	45	41	Tr	-	12·9
Birmingham	61	43	39	3	Tr	10·2
Upper Heyford	64	43	34	Tr	-	*
Ross-on-Wye	62	45	37	-	-	10·0
Hartland Point	58	51	47	1	1	10·8
Bristol	63	45	36	0·5	2	11·0
Portland Bill	59	51	*	-	-	*
Plymouth	61	45	37	0·1	0·1	11·1
The Lizard	60	49	*	2	2	12·0
Scilly (St. Mary's)	62	49	*	0·1	2	14·0
Guernsey						
Pembroke	57	50	*	-	0·4	12·1
Holyhead (Valley)	60	49	46	-	0·1	*
Chester (Sealand)	66	*	*	-	1	14·4
Manchester	64	48	45	-	0·1	*
Spurn Head	66	49	*	-	-	12·2
Catterick (Sc)	63	48	42	0·5	Tr	14·8
Tynemouth	62	48	46	0·2	-	*
St. Abbs Head	61	45	*	1	-	*
Leuchars	61	46	37	0·4	Tr	11·0
Renfrew (Abbots I.)	58	48	43	4	1	8·2
Eskdalemuir	56	49	44	7	0·2	6·2
Point of Ayre	65	49	*	-	-	11·9
Tiree	57	47	46	0·2	0·6	10·7
Stornoway	51	47	45	5	0·4	3·4
Dalwhinnie	54	43	39	3	1	6·4
Aberdeen †	61	46	42	Tr	-	8·3
Wick	60	41	42	0·6	1	*
Sumburgh	56	49	46	0·1	0·2	*
Blacksod Point	58	48	*	0·3	1	
Malin Head	56	48		4	4	9·9
Aldergrove	60	47	45	1	0·1	8·1
Birr Castle	59	46	43	4	2	8·9
Valentia Obsy.	57	50	47	3	0·3	8·6
Roches Point	58	50		2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 13th June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 14th June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	86	01854	17414	83	02744	26527	87	02745	20327	84	81755	19327
115	64	02854	20527	54	02854	20586	52	02844	20537	52	82844	20586
203							8-	02848	20428			
206	86	25855	53485	86	25854	22587	5-	02854	22485	24	22954	24365
210	26	02965	20427	26	02964	23326				73	02954	22427
219	26	02843	20525	30	25845	21485	26	25853	22486	86	25845	24586
280	87	81855	20487	3-	25857	20487	8-	82647	20227	8-	81857	21387
245	30	02844	20587	86	01963	20314	04	01890	22202	14	01853	23304
260	26	25846	53586	13	01853	20324	53	05653	20325	84	02753	22425
278	37	82745	22487	36	02854	15378	83	25854	22285	57	02844	02844
279	26	02964	53684	36	01964	21624	36	82745	22486	93	02844	24385
285										27	25744	24486
288	10	01954	53524	77	01954	20414	50	01863	17313	33	01852	19313
575	3-	25855	18385	33	25854	10485	30	01854	18325	97	25746	18287
301	30	01952	22512	27	01862	22503	86	02855	22426	8-	02856	24487
321	26	01864	22425	26	81865	22325	04	01790	20282	84	05665	23316
290	20	01754	22414	20	01754	22484	50	01751	24301	8-	61655	22315
292	26	01964	23414	20	01964	23314	4-	02875	21215	37	02864	20215
310												
614	36	81655	20316	8-	02756	22327	40	05663	25113	53	05654	20225

III	13h. G.M.T. 13th June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 14th June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
388	24	01854	22514	34	01853	20514	83	25754	21586	53	02844	23326
334												
340	20	01964	24814	80	01963	57413	47	02863	14215	84	25855	22285
136	20	01965	22415	20	02863	21516	04	01890	20281	14	01741	20212
336												
350	26	01854	22315	26	02854	22486	04	01790	20511	14	01751	22212
368	83	02843	22314	80	02854	24315	80	25754	20384	36	81855	22285
379							04	01890	22211	17	05644	22315
390	27	02765	24325	87	02754	20326	07	05690	20214	13	08653	22314
382	36	01864	20485	86	02853	25415	5-	01744	23114	24	01852	23312
438	24	01853	22513	5-	02747	22417	52	02755	24318	23	01752	28313
430	23	02854	20424	83	02854	20325	53	02754	24148	34	01853	23213
409	26	02853	23425	26	01854	23414	20	01844	25414	36	01953	25485

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 14th June
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	qprocy	cpropre	bcbcw pro
Croydon	cypro	cypror	cprocbc
Greenwich	bcypo	cyp	vpocbcy
Camden Square	bc	c	*
Kensington	bcpr	bc	*
Hampstead	bc	bcp	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time <0·1 whole of Min. Time 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	64	51	42	0·3	Tr	4·2	*	*
Croydon	65	49	46	0·1	Tr	9·4	*	*
Greenwich	67	49	41	0·3	Tr	7·9	53	55
Westminster	65	51	47	0·2			46	64
Regents Park								
Camden Square	67	50	46	-	0·3	*	*	58
Kensington	67	49	43	0·7	Tr		73	59
Hampstead	60	47	42	0·5	-		*	66

SECRET

Page 1

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

Tuesday 15th June 1943

No. 29790

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

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)	13.9	-8	WSW	4	c/pr	58	65	47	8	8	5	3	7-8	9	2500
	Croydon	14.7	-14	SW	3	c-bc/pr	62	45	42	8	3	6	-	4-6	7-8	1800
	S. Farnborough	14.2	-14	W	4	bc/pr	62	55	44	8	8	6	3	4-6	4-6	3000
	Boscombe Down	15.7	-6	WSW	4	c-bc	62	55	45	8	3	6	3	4-6	7-8	2000
	Thorney Island	16.1	-2	W'S	3	pr	56	85	51	9	3	3	3	2-3	9	4000
	Lympne	14.6	-10	W'S	3	pr	59	65	47	8	2	-	-	9	9	2000
	Manston	14.0	-10	NW'W	3	pr	60	55	48	8	2	-	-	7-8	7-8	2500
2	Shoeburyness	14.7	●	W'S	2	bc	60	55	45	8	2	4	-	4-6	4-6	2500
	Felixstowe	13.7	-6	SW'W	3	c-bc/pr	64	55	46	8	8	-	-	4-6	7-8	2500
	Gorleston	12.3	-16	W'S	3	bc	63	45	41	8	8	-	-	4-6	4-6	2300
	Mildenhall	12.3	-14	W'S	3	phr0	62	65	60	8	3	6	3	9	9+	2500
	Cranwell	12.1	-4	W'N	3	c	57	65	47	8	3	6	3	2-3	9	2500
3	Birmingham	12.6	-10	W	4	phr0	55	65	44	8	3	-	5	7-8	7-8	2500
	Upper Heyford	13.4	-8	NW'W	3	c-bc jp	57	65	46	8	3	-	3	4-6	7-8	3900
4	Ross-on-Wye	14.0	-8	NW	3	c-bc/pr	57	65	45	9	3	-	3	4-6	7-8	3500
5	Hartland Point	16.6	0	WNW	3	bc	56	75	48	8	2	4	-	4-6	4-6	2000
	Bristol	15.7	-2	W'N	3	c/pr	51	92	50	8	9	6	3	4-6	9	2500
	Portland Bill	16.8	-6	SW	4	c-bc	56	92	54	8	2	-	-	7-8	7-8	4000
	Plymouth	18.0	-2	W	3	c-bc/pr	55	75	48	8	8	-	2	7-8	7-8	2500
	The Lizard	19.0	0	N	4	bc/pr	59	75	49	8	2	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	19.3	-2	WNW	5	bc	60	65	48	8	8	4	3	2-3	4-6	1500
	Guernsey															
6	Pembroke	16.0	-4	WNW	5	bc	55	85	50	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	13.3	-6	W'S	3	c-bc	59	65	49	8	2	6	3	2-3	7-8	1500
	Chester (Sealand)	12.6	-6	WNW	4	c/pr	55	65	46	8	8	-	-	9	9	3000
8	Manchester	12.1	-6	W'S	4	c-bc	58	55	44	7	2	6	3	4-6	7-8	2000
10	Spurn Head	11.7	-14	SW	3	c	55	75	46	7	2	6	-	4-6	9	2500
	Catterick (Sc)	10.3	-12	W	4	c-bc	62	55	44	9	3	6	2	4-6	7-8	2500
	Tynemouth	09.5	-10	WSW	3	bc	58	55	41	7	2	3	1	4-6	4-6	2700
11	St. Abbs Head	07.1	-16	W	3	c-bc	56	75	48	8	5	4	-	4-6	7-8	3000
	Leuchars	06.3	-12	W	4	cjp	63	45	40	9	9	6	3	7-8	9+	2000
12	Renfrew (Abbots I.)	08.7	-4	W'N	4	c	56	65	46	8	8	-	3	7-8	9+	2000
	Eskdalemuir	08.7	-14	W'S	3	PR	52	75	43	8	5	7	2	4-6	7-8	2100
	Point of Ayre	11.4	-2	WNW	4	c	58	75	48	8	8	6	9	1	9	1800
13A	Tiree	09.2	-4	WSW	3	c	54	75	46	9	2	3	8	1	9+	2200
13B	Stornoway	05.2	+2	W	4	c-bc/pr	52	85	47	9	8	6	-	4-6	7-8	1800
15	Dalwhinnie	06.8	-2	S	3	c-bc	53	65	43	8	5	4	4	4-6	7-8	2500
	Aberdeen	06.0	0	ESE	2	pr	52	75	45	8	3	6	3	7-8	9+	4000
	Wick	05.0	-4	WNW	4	c-bc/pr	54	75	46	9	8	7	-	7-8	7-8	2500
16	Sumburgh	03.5	-6	SW'W	4	c	51	85	47	8	8	6	-	4-6	9	2000
17	Blacksod Point	13.3	-14	W	4	c/pr	55	75	47	8	5	-	-	10	10	1500
18	Malin Head	10.4	-6	W	4	c	54	75	46	8	5	-	-	9+	9+	2500
	Aldergrove	11.6	-2	WNW	3	c/pr	53	85	47	8	8	7	-	7-8	9+	2000
19	Birr Castle	14.4	-4	W	3	c	58	65	46	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	17.9	-6	W'N	3	c-bc/pr	55	75	48	8	8	-	3	7-8	7-8	2500
	Roches Point	16.2	-8	W'N	4	bc	59	75	51	9	3	-	5	4-6	4-6	1500

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

Stations	Barom. at M.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)	13.1	0	WSW	3	c-bc/pr	57	75	47	8	8	3	3	4-6	7-8	2500	0	*
Croydon	14.3	+2	SW	2	tlr	55	75	47	8	3	6	-	4-6	9	2000	1	*
S. Farnborough	13.6	0	WNW	3	bc/pr	57	65	46	8	8	-	-	4-6	4-6	2000	1	*
Boscombe Down	14.3	-4	W	5	b-bc	58	55	41	8	2	6	-	2-3	2-3	2500	0	*
Thorney Island	14.8	-6	SW'W	4	c-bc/pr	56	75	45	9	3	6	3	7-8	7-8	2500	2	*
Lympne	13.8	-6	WSW	3	bc/pr	58	75	48	8	3	6	-	2-3	4-6	2000	1	4
Manston	13.2	-6	WNW	3	c-bc/pr	55	75	47	7	3	6	-	4-6	7-8	2000	0	*
Shoeburyness	13.8	-2	SSW	2	tlr	57	65	48	6	3	-	-	7-8	7-8	1500	*	*
Felixstowe	12.4	-10	W'S	4	c-bc/pr	60	65	48	8	8	6	-	4-6	7-8	2500	0	3
Gorleston	11.7	-8	SW'S	1	bc/pr	57	65	45	8	8	-	-	4-6	4-6	1500	0	2
Mildenhall	11.7	-2	WSW	4	bc	57	75	48	9	3	6	3	2-3	4-6	2500	1	*
Cranwell	10.6	-4	W'S	4	bc	59	55	48	7	2	6	3	4-6	4-6	3000	0	*
Birmingham	12.2	-2	W	3	c-bc/pr	54	75	46	7	8	-	-	7-8	7-8	2500	1	*
Upper Heyford	12.3	-6	W'S	3	c-bc/pr	51	85	47	8	3	6	3	7-8	7-8	1500	1	*
Ross-on-Wye	12.8	-6	WSW	4	c-bc	58	65	46	8	8	-	1	4-6	7-8	3500	0	*
Hartland Point	14.8	-8	WNW	5	bc	56	75	49	8	2	4	5	2-3	4-6	2000	1	4
Bristol	14.6	-6	W'S	4	c-bc	56	75	49	8	2	6	-	4-6	7-8	2500	1	*
Portland Bill	15.2	-10	SW	4	c-bc	55	92	53	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	17.1	-6	WNW	4	bc	60	65	49	9	2	-	-	4-6	4-6	2500	0	2
The Lizard	17.7	-6	W	5	bc	57	92	55	8	8	6	-	4-6	4-6	2500	0	4
Scilly (St. Mary's)	17.7	-12	WNW	5	c/pr	55	85	49	8	8	-	-	9+	9+	1500	1	5
Guernsey																	
Pembroke	14.2	-6	W'N	5	bc	55	92	52	8	2	4	1	2-3	4-6	3000	0	3
Holyhead (Valley)	12.3	-6	W	4	c	54	85	48	9	8	6	-	7-8	9	2500	1	3
Chester (Sealand)	11.5	-6	NW	4	c-bc	57	65	45	8	8	6	-	7-8	7-8	2500	1	*
Manchester	11.0	-10	WNW	4	bc	57	55	43	9	2	6	3	4-6	4-6	2500	1	*
Spurn Head	10.1	-10	SSW	3	c	56	75	48	7	3	-	-	9+	9+	1500	1	3
Catterick (Sc)	10.2	-2	WNW	3	pr	53	75	46	8	3	6	-	7-8	9	2000	1	*
Tynemouth	09.3	-2	W	3	c-bc/pr	55	76	47	7	2	3	-	4-6	7-8	2700	1	2
St. Abbs Head	06.5	+6	WNW	4	c-bc	54	75	46	8	2	4	-	4-6	7-8	3500	0	2
Leuchars	06.5	+2	SW	1	c/pr	56	55	38	9	3	7	8	7-8	9+	2500	1	*
Renfrew (Abbots I.)	08.3	-2	W'S	3	c	55	75	47	8	7	3	6	7-8	9	2500	1	*
Eskdalemuir	08.3	0	W'S	3	c/pr	51	85	45	8	5	7	-	9	9+	2300	1	*
Point of Ayre	10.5	-4	W'N	3	c	55	75	46	8	8	7	-	4-6	9+	2000	0	3
Tiree	07.3	-10	SW	4	c	52	92	50	8	5	3	8	4-6	10	600	0	3
Stornoway	04.7	-2	SW	2	pr	52	85	47	8	8	6	-	9	9+	2200	1	2
Dalwhinnie	07.0	0	SW	3	c-bc	50	75	40	7	7	4	-	4-6	7-8	2500	0	
Aberdeen	06.4	+6	SE	1	c/r	52	85	47	5	3	9	3	2-3	9	3000	7	1*
Wick	05.3	-2	WNW	2	c-bc	55	65	42	9	8	-	-	7-8	7-8	3000	1	*
Sumburgh	03.9	+2	W'S	4	c-bc	50	85	45	8	8	6	-	4-6	7-8	2500	0	3
Blacksod Point	10.6	-18	WSW	5	c	53	85	49	8	6	-	-	10	10	1500	1	4
Malin Head	08.3	-10	W'N	5	d0r	51	85	47	7	5	-	-	9	9	1500	1	4
Aldergrove	09.7	-14	WSW	3	c/pr	55	75	47	8	8	7	-	7-8	9+	3000	1	*
Birr Castle	12.4	-18	WSW	3	c	55	65	44	8	5	2	-	7-8	9+	1500	1	*
Valentia Obsy.	15.3	-18	W'S	4	c	54	76	46	8	8	1	-	9	9+	2500	1	4
Roches Point	14.3	-14	NW'W	4	c	57	85	52	8	8	-	-	7-8	9	1500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 14th (39)	13h.—18h. 14th (40)	18h. 14th to 1h. 15th (41)	1h.—7h. 15th (42)
London (Kew)	bccprc	pr0prbc	cqPRc	c
Croydon	bcypr0	bcyctlr	ctlrbcc	cbcc
S. Farnborough	b,cprPRmc	bcpr0pRybc	bcybccbc	bccwc
Boscombe Down	bbccpRq	bcy bcy	bccpr0c	ccpr0c
Thorney Island	bbcpr0c	cbcpr0	bc	bc
Lympne	cbcy	cprtlrhb	bc	bc
Manston	cbccypr0	cbcycpr0	bcc	bbcb
Shoeburyness	bcy	bctlrctlr	cPRc	bcb
Felixstowe	bcct0rbcy	ccpr0bc	bccpr0c	cbcb
Gorleston	bcpr0y	bccbcy	bc	bc
Mildenhall	bccpR	cpRhbc	bccpr0bc	bcwbbcm0
Cranwell	bcctlrc	ctlrbc	bcb	cir0cz
Birmingham	bctprh	cprh	cbc	bcpr0c
Upper Heyford	ccpr0mct	bcypr0p0	bcc	ccpr0c
Ross-on-Wye	bccprcprhcprtR	phtcp0c	cbc	cp0c
Hartland Point	bcrr	bc	bcc	cpr
Bristol	bccpcp0	ccpr0 cjp	cpr0ctlr cPR	cprcbcc
Portland Bill	bcprc	c	c	cpr
Plymouth	bcpr0cpr	bcpr0c	bccpr0	cpr0c
The Lizard	cprbc	prbc	rbcc	cprc
Scilly (St. Mary's)	bccbc.	bccp0	cp	cp0c
Guernsey				
Pembroke	cbcq	bc	c	cpr0
Holyhead (Valley)	cpr0c	cpr0cjp	cpr0pr	c
Chester (Sealand)	bccpr0	bc,pr0	bcc pr0	c
Manchester	cpr0pr	bcypr0c	bcycid0ir0	ir0r0r0
Spurn Head	prc	prc	bc	prc
Catterick (Sc)	cpr0cy	cpr0	c	cpr0c
Tynemouth	cbct	bccp	cpbc	cbcm0
St. Abbs Head	cprc	cbc	cpr	cprc
Leuchars	bccy	cyc PRt	cir0crrcir0c	bc
Renfrew (Abbots I.)	cpr0pRqc	cprpr0c	ccm0pr0m0	cm0prcpr0cm
Eskdalemuir	cpR	cbcpr	cprc	c
Point of Ayre	cprc	c	ctrc	cpr0bc
Tiree	cpr0c	cpr0c	bccbcw	bccprc
Stornoway	cpr0c	cpr0c	cpr0bccpr0	cpr0bc
Dalwhinnie	cprc	cprbc		bcir0c
Aberdeen	bccpr	cPRrrcz0	cirbcz0	bcbbcR0
Wick	cjp cpr0	cpr0c	c	c
Sumburgh	cpr0c	cbcc	c	cpr0c
Blacksod Point	pr	pr	c	pr
Malin Head	pr	d	pr	pr
Aldergrove	cir0ccpr0	cpr0c	cpr0c	ccpr0cbc
Birr Castle	pr	pr		pr
Valentia Obsy.	pr	bc	pr	pr
Roches Point	pr	pr	c	bc

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Moderate southwest to west winds; cloudy with occasional showers and local thunder; some bright intervals; cool.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Moderate west to northwest winds; cloudy with occasional showers and local thunder; showers tending to die out later; 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	As 4-8.
14 Mid Scotland, 15 N.E. Scotland	As 1-3
16 Orkneys and Shetlands	As 1-3.
17 N. W. Ireland, 18 N. E. Ireland	Moderate west to northwest wind backing southwesterly later; occasional showers at first with local thunder; showers dying out, but more general rain probable towards end of period; cool.
19 S. E. Ireland	As 4-8.
20 S. W. Ireland	As 17.

GENERAL INFERENCE

A depression centred north of Scotland will move eastsoutheast and a ridge of high pressure will spread in over western districts of the British Isles. Weather will be generally cool and showery with local thunder but the showers will tend to die out later in western districts. Towards noon tomorrow a trough approaching from the Atlantic is likely to bring more general rain into Western Ireland.

FURTHER OUTLOOK

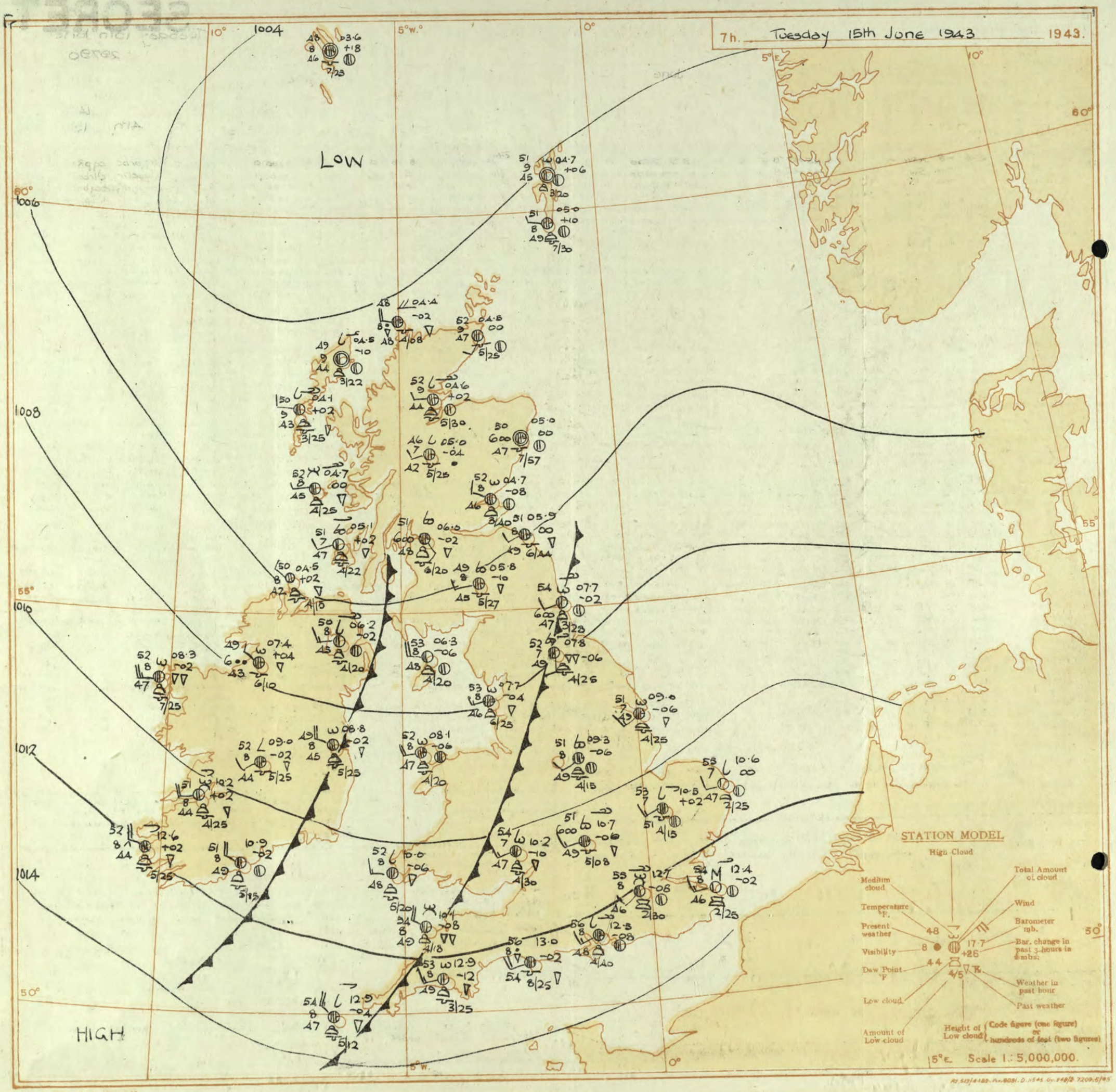
A brief fair period in the east, followed by general rain spreading from west.

Forecasts issued at 10.30

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

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

7h. Tuesday 15th June 1943 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

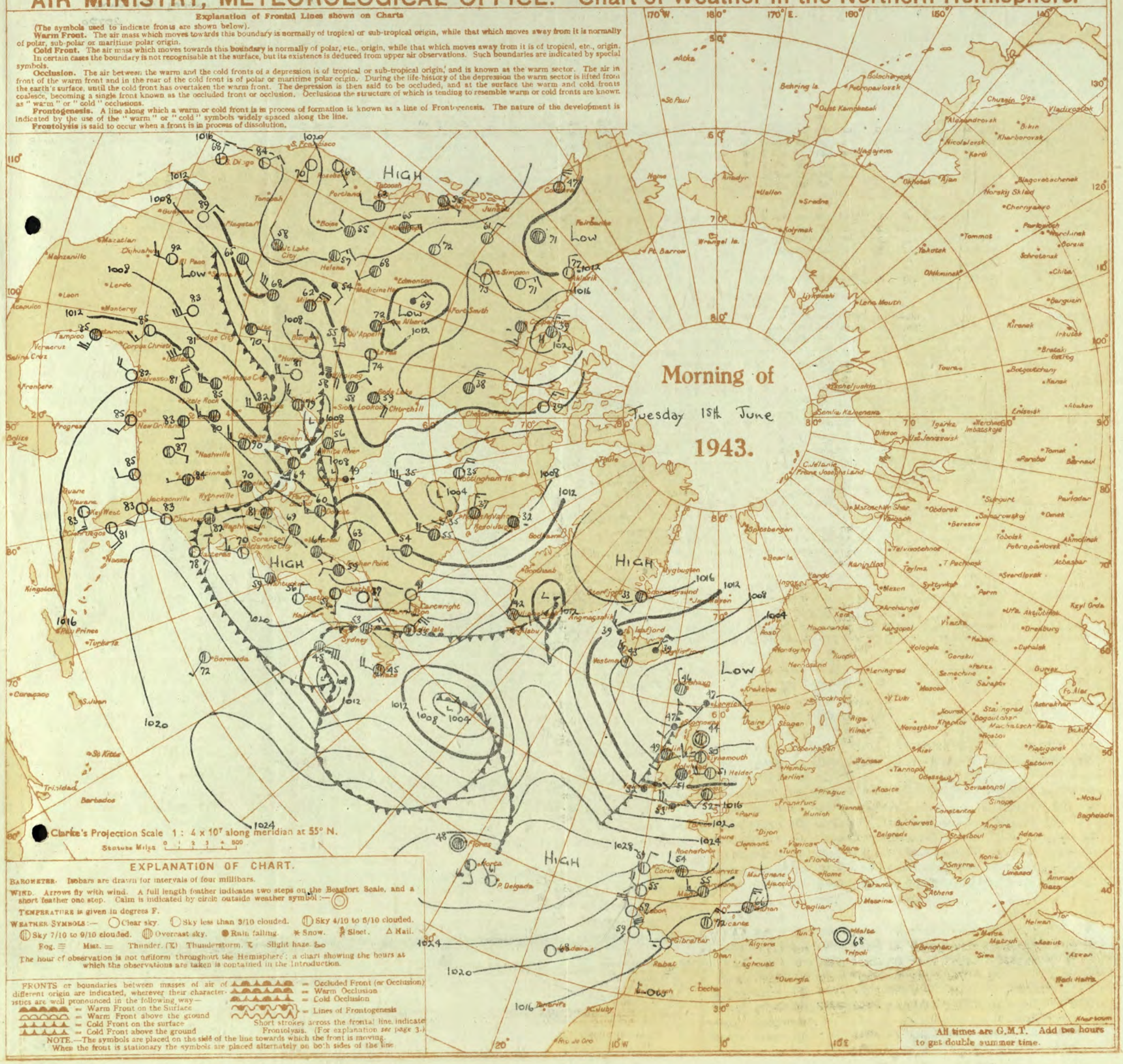
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 15th June, 1943

No. 29790

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

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	-4	WSW	2	c	52	85	46	7	5	–	–	9	9	4000
	S. Farnborough	226	13·3	-6	W	3	bc	50	85	46	8	5	7	–	2-3	4-6	3000
	Boscombe Down	417	13·8	-6	SW	2	c/pr	49	92	46	8	8	–	–	4-6	9	3000
	Thorney Island	10	13·9	-6	W'S	3	b-bc	52	85	48	8	2	3	–	1	2-3	2500
	Lympne	283	13·9	-4	WSW	2	b-bc	47	92	45	8	2	6	–	1	2-3	3000
	Manston	154	13·0	-6	SW'W	3	b	47	85	43	8	8	6	–	1	1	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·1	-2	SW	3	c/pr	52	85	47	8	8	3	–	4-6	9	5700
	Gorleston	5	11·1	0	WSW	2	bc	51	85	45	7	5	–	–	4-6	4-6	2500
	Mildenhall	15	11·4	-2	SW	3	b-bc	49	97	48	8	5	6	–	2-3	2-3	2500
	Cranwell	203	10·9	-2	W'S	2	b	47	92	45	8	–	4	–	0	1	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·3	-4	SW	1	c-bc	47	92	45	8	5	–	–	7-8	7-8	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·7	-14	NW	5	c	54	75	47	8	2	6	5	2-3	9	1500
	Bristol	209	13·5	-10	WSW	2	PR	51	97	50	6	3	–	–	10	10	1200
	Portland Bill	32	14·5	-12	SW	4	c-bc	54	92	52	8	5	–	–	7-8	7-8	4000
	Plymouth	82	15·6	-12	W	4	pr	53	85	49	8	8	6	3	7-8	9+	3000
	The Lizard	240	15·8	-10	W	5	c	51	92	49	7	5	–	–	9+	9+	2000
	Scilly (St. Mary's)	163	15·2	-18	W'N	5	pr	53	92	51	7	8	5	–	7-8	9+	1200
	Guernsey	175															
6	Pembroke	142	12·3	-4	W'N	4	c	53	92	50	8	8	–	–	9+	9+	2500
7	Holyhead (Valley)	32	10·0	-14	SW	2	c	51	85	47	8	8	–	–	10	10	2500
	Chester (Sealand)	16	10·5	-10	–	0	c/pr	52	85	48	7	8	–	–	9	9	2500
8	Manchester	235	10·6	-10	S'W	3	c/r	49	85	46	8	5	3	–	4-6	9	2000
10	Spurn Head	29	09·7	-6	W	4	bc	51	85	45	7	7	–	–	4-6	4-6	2500
	Catterick (Sc)	192	09·1	-12	W	2	pr	50	85	47	8	8	7	–	2-3	9+	3000
	Tynemouth	108	08·6	+8	W	3	bc	50	97	50	7	2	3	–	4-6	4-6	2500
11	St. Abbs Head	280	06·8	0	SW	2	c/pr	49	97	49	7	5	–	–	9+	9+	2500
	Leuchars	36	06·1	-6	SSW	2	c-bc/r	50	85	46	7	5	7	–	4-6	7-8	2500
12	Renfrew (Abbots I.)	19	06·7	-8	SW'S	1	z_0	49	97	48	6	8	3	2	4-6	9	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	09·5	-2	W	3	c	50	92	47	8	9	–	–	9+	9+	2000
13A	Tiree	44	05·5	-8	SW	1	c-bc	45	92	43	8	7	7	–	4-6	7-8	3000
13B	Stornoway	15	04·0	-2	SW	2	pr	47	92	46	8	8	4	–	9	9+	3300
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	05·7	-6	–	0	bc	44	97	43	8	4	3	–	4-6	4-6	2500
	Wick	114	05·0	-6	S	2	c	49	92	47	9	5	3	–	4-6	9+	2500
16	Sumburgh	19	04·0	+2	WSW	4	c	50	85	46	8	4	–	–	9+	9+	2500
17	Blacksod Point	18	09·3	0	WNW	5	c	50	85	46	8	9	–	–	9	9	1500
18	Malin Head	84	05·5	-14	SW	2	c	49	85	45	8	8	–	–	9+	9+	1500
	Aldergrove	268	07·8	-10	SSW	1	c	49	92	46	8	8	–	–	9+	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·1	-8	NW'W	4	pr	52	85	48	8	8	–	–	9	9	2500
	Roches Point	22	12·2	-14	W	2	c-bc	50	85	46	8	3	3	5	2-3	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
London (Kew)	11·9	-4	WSW	2	c	55	75	47	8	5	3	1	4-6	9	1500	1	*	63	50	40	2	1	5·7
Croydon	12·7	-8	SW	2	c-bc	55	75	46	8	3	6	2	1	7-8	3000	0	*	65	47	44	2	Tr	10·8
S. Farnborough	11·8	-6	WSW	4	c	53	75	45	8	2	4	9	1	9	2000	1	*	63	48	39	2	Tr	12·1
Boscombe Down	12·4	-6	SW'S	3	c	52	85	48	7	6	5	8	7-8	9+	4000	0	*	62	44	42	2	0·2	13·2
Thorney Island	12·5	-8	SW'W	3	c	56	75	48	8	2	4	2	4-6	9+	4000	1	*	60	47	41	0·4	0·4	*
Lympne	12·8	-4	WSW	2	b-bc	53	85	48	8	–	7	3	0	2-3	–	1	§3	63	45	40	9	–	8·2
Manston	12·4	+2	W'S	3	b-bc	54	75	46	8	3	8	1	1	2-3	2500	0	*	64	45	42	Tr	–	8·8
Shoeburyness	12·7	0	SW	3	bc	56	75	49	7	–	3	–	0	4-6	–	1	*	66	50	46	Tr	7	9·2
Felixstowe	11·2	-2	WSW	2	b-bc	55	85	49	7	2	4	1	Tr	2-3	2500	0	3	66	49	45	1	Tr	8·[illegible]
Gorleston	10·6	0	WSW	2	b-bc	55	75	47	7	1	4	–	1	2-3	2500	0	2	64	46	43	Tr	–	8·6
Mildenhall	10·5	+2	SW'W	3	c-bc	53	92	51	7	5	4	1	4-6	7-8	1500	0	*	64	45	43	3	0·1	8·9
Cranwell	09·3	-6	WSW	4	c-bc	52	85	49	7	1	3	1	Tr	7-8	2500	0	*	60	46	43	3	0·1	9·8
Birmingham	09·6	-8	SW	3	c/pr	51	85	46	8	8	7	–	7-8	9+	1500	1	*	60	48	44	3	0·3	8·1
Upper Heyford	10·7	-6	SW	3	z_0	51	92	49	6	5	7	2	7-8	9+	800	1	*	61	46	36	3	0·1	*
Ross-on-Wye	10·2	-10	SW	3	c-bc	54	75	47	7	8	5	–	4-6	7-8	3000	0	*	61	49	44	1	0·1	8·3
Hartland Point	10·1	-8	WNW	4	c-bc/pr	54	85	49	8	2	6	–	4-6	7-8	1800	1	3	58	51	48	0·2	1	12·3
Bristol	11·1	-14	SW	3	c	52	85	48	8	8	6	–	7-8	9+	2500	1	*	59	49	45	3	4	9·0
Portland Bill	13·0	-2	SW	4	pr	56	92	54	8	5	–	–	10	10	2500	1	4	58	54	*	Tr	Tr	*
Plymouth	12·9	-12	WSW	3	bc	53	85	49	8	8	3	–	2-3	4-6	2500	1	2	61	50	46	1	1	11·6
The Lizard	12·2	-8	NW	4	c-bc/pr	51	92	49	7	8	4	–	7-8	7-8	2000	1	4	60	50	*	1	2	10·4
Scilly (St. Mary's)	12·9	-4	NW'W	5	c	54	75	47	8	8	4	3	7-8	9	1200	1	4	61	58	*	0·2	0·5	10·1
Guernsey																							
Pembroke	10·0	-6	NW'W	3	c-bc	52	85	48	8	8	4	–	7-8	7-8	2000	1	2	56	50	*	–	0·6	10·2
Holyhead (Valley)	08·1	-6	W'S	4	c	52	85	47	8	8	3	–	4-6	9+	2000	1	2	60	49	46	1	2	*
Chester (Sealand)	09·1	-6	WSW	1	c	53	75	45	8	8	3	–	7-8	9	3000	1	*	59	49	41	3	0·4	7·3
Manchester	09·0	-6	SSW	2	z_0	51	92	49	6	2	6	3	2-3	4-6	4000	0	*	59	47	41	0·3	0·5	*
Spurn Head	09·0	-6	SW'W	3	c	51	92	48	7	7	3	–	4-6	9	2500	1	3	59	48	*	9	1	3·4
Catterick (Sc)	07·8	-6	S	2	c-bc/pr	52	92	49	7	8	7	1	4-6	7-8	2500	1	*	62	48	44	0·4	2	5·5
Tynemouth	07·7	-2	SW	2	z_0	54	75	47	6	2	3	2	2-3	4-6	2800	0	2	61	50	47	0·4	0·1	*
St. Abbs Head	05·9	0	SW	1	c	51	92	49	8	5	–	–	9	9	4400	0	2	58	46	*	Tr	0·1	
Leuchars	04·7	-8	WNW	2	c-bc	52	75	46	8	2	3	–	2-3	7-8	3000	0	*	63	48	45	3	Tr	8·8
Renfrew (Abbots I.)	06·0	-2	SE	1	z_0	51	92	48	6	8	7	–	9	9+	2000	1	*	60	47	43	3	1	5·0
Eskdalemuir	05·8	-10	SW'W	1	c	49	85	44	8	5	7	–	7-8	9	2700	1	*	56	43	39	2	Tr	4·5
Point of Ayre	06·3	-6	W'N	4	bc	53	85	48	8	2	–	–	4-6	4-6	2000	0	3	60	47	*	Tr	0·1	5·2
Tiree	06·7	0	W	1	c-bc	52	75	45	8	2	6	2	4-6	7-8	2500	1	2	56	42	38	0·2	3	2·4
Stornoway	04·5	-10	–	0	bc	49	85	44	9	2	4	6	2-3	4-6	2200	1	1	57	42	35	1	Tr	2·5
Dalwhinnie	03·0	-4	SW	2	c	46	85	42	7	5	4	–	7-8	9	1500	1	*	50	41	37	0·2	0·3	6·0
Aberdeen †	05·0	-6	–	0	z_0	50	92	47	6	5	–	–	9+	9+	5700	1	1	60	42	34	8	3	5·8
Wick	04·5	0	SSW	1	c-bc	52	85	47	9	5	–	–	7-8	7-8	2500	0	*	57	48	46	1	0·1	*
Sumburgh	05·0	+10	WNW	1	c	51	92	49	8	8	–	–	9+	9+	3000	1	3	55	49	43	Tr	–	5·0
Blacksod Point	08·3	-2	W	5	c-bc/pr	52	85	47	8	9	–	–	9+	9+	2500	1	4	55	48	*	1	5	*
Malin Head	04·8	+2	WNW	2	bc	50	75	42	8	8	–	–	4-6	4-6	1500	2	2	54	47		0·2	3	5·2
Aldergrove	06·2	-2	W'S	3	bc	50	85	45	8	8	4	2	4-6	4-6	2000	1	*	58	49	45	0·5	0·6	2·4
Birr Castle	09·0	-2	SW	2	c	52	75	44	8	5	1	–	7-8	9+	2500	1	*	58	47	45	1	0·3	2·3
Valentia Obsy.	[illegible]·6	+2	NW'W	4	c	52	75	44	8	8	–	3	7-8	9	2500	1	4	57	50	47	0·1	2	3·7
Roches Point	[illegible]·9	-2	NW	4	c-bc	51	92	49	8	8	–	–	7-8	7-8	1500	1	3	60	50		Tr	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 15th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	57	02854	24425	8-	02845	24423	8-	81747	19187	23	02744	19125
115	54	02854	24485	52	82834	24487	52	02844	20387	52	82834	24487
203										8-	02946	16426
206	26	10964	20427	86	02963	24486	5-	61856	00026	84	02965	24126
210	33	81954	23426				5-	02966	13216	23	01963	21214
219	7-	02865	22427	8·	02944	19487	80	01943	22384	84	02953	26285
280	86	25944	24287	57	61855	22288	85	02854	20267	87	25956	20187
245	36	81854	24487	86	81946	15287	54	01962	00081	54	01863	22113
260	26	25755	24485	8-	02758	22328	57	25755	20287	24	02753	16125
278	26	02843	27485	52	25847	22288	33	02853	20184	57	22845	22287
279	8-	25846	22387	86	02844	26325	8-	25847	22387	77	81845	19187
285	23	81744	26586							27	81744	24316
288	3-	10954	20416	36	21854	57485	57	25854	18286	93	25854	18387
575	51	01855	28228	96	81855	28387	36	81874	18385	53	62646	28186
301	2-	02856	26486	84	02956	58426	86	25856	22488	23	02856	22387
321				26	02764	25485	5-	05678	20228	03	05690	18385
290	8-	25755	22385	8-	02745	24325	50	01744	24314	54	05645	22315
292	9-	81956	24487	36	02954	22386	2-	81867	23227	96	25655	22186
310	--	81628	24388							--	02626	4326
614	9-	05636	22387	36	81744	24227	5-	05556	----	76	05565	19326

III	13h. G.M.T. 14th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 15th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
338	26	02954	2[illegible]425	26	01963	22484	86	82744	19387	27	02744	23327
334										--	03556	26127
340	96	27846	[illegible]2387	36	25953	24683	57	61774	22267	53	02864	20365
136	36	10856	[illegible]2287	26	01854	22384	03	01690	23214	26	02762	20316
336										57	02754	24327
350	96	81755	[illegible]6385	36	25754	24185	44	05664	18295	77	02864	22325
368	80	01954	24415	23	02944	24316	83	25746	22487	8-	81734	24386
379										57	41705	22287
390	3·	82657	18387	36	25753	26353	43	05653	22186	02	05690	22224
382	96	81855	57417	36	81756	25387	40	01863	22113	77	02864	21286
438	88	02753	22413	20	01753	22313	80	91733	22483	97	25745	22487
430	3·	25756	21486	36	02854	22525	5-	02754	00015	57	05655	22325
409	36	25854	28385	5·	02855	26485	53	02853	23427	36	81845	24386

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th June
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	bccprc	pr_0 prbc	cq pRc
Croydon	$bcypr_0$	bcyctlr	ctlrbcc
Greenwich	cpy	cptl	cpcbc
Camden Square	bcpr	bcpr	*
Kensington	bc	bct pr	*
Hampstead	bcptl	bcp	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended [illegible] Max. T[illegible] 0·1 21h 14th Min. Time <0·1 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	63	50	40	2	1	7·5	*	*
Croydon	65	47	44	2	Tr	10·8	*	*
Greenwich	66	47	37	1	0·3	8·2	50	57
Westminster	63	49	45	3			67	66
Regents Park	63	49	45	6	3		71	62
Camden Square	66	49	44	4	4	*	*	59
Kensington	64	48	41	3	1		63	57
Hampstead	62	46	41	1	1		*	65

Page 1 BRITISH SECTION

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

SECRET

Wednesday 16th June 1943

No. 29791

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

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)	09·9	-12	SW'S	4	tlr₀	58	55	43	8	9	3	-	7-8	9+	1500
	Croydon	10·5	-18	SW	4	c-bc	62	55	44	8	3	6	3	4-6	7-8	2500
	S. Farnborough	10·1	-10	NW	3	pr	55	85	50	7	8	-	3	9+	9+	2500
	Boscombe Down	10·8	-12	SW'W	4	pr	49	92	47	7	3	6	-	9	9+	2000
	Thorney Island	11·9	-10	SW'S	5	bc	59	75	49	9	2	-	3	4-6	4-6	4000
	Lympne	11·5	-16	WSW	4	c	59	63	48	8	3	-	3	7-8	9+	2500
	Manston	10·9	-12	WSW	5	c-bc	63	55	45	8	2	-	6	4-6	7-8	2500
	Shoeburyness	11·0	-4	WSW	5	c-bc	65	55	48	8	3	4	2	7-8	7-8	2500
	Felixstowe	10·1	-8	S'E	5	c-bc	66	65	48	8	2	-	6	4-6	7-8	2500
	Gorleston	09·3	-10	S	4	c-bc	59	65	43	7	8	-	-	7-8	7-8	2500
	Mildenhall	08·6	-14	SW'W	3	r/tlr₀	61	75	51	8	3	6	3	9	9+	2500
	Cranwell	07·9	-8	SW	4	tlh₀	50	92	48	6	3	3	3	7-8	9+	1500
3	Birmingham	08·2	-10	W	3	bc	59	55	43	8	3	-	3	4-6	4-6	2500
	Upper Heyford	09·1	-10	WSW	4	c-bc	59	65	46	8	3	6	3	4-6	7-8	3000
4	Ross-on-Wye	08·9	-6	W	3	bc/pr	58	75	46	9	3	6	3	4-6	4-6	3000
5	Hartland Point	10·7	0	WNW	3	bc	55	75	47	8	2	4	3	2-3	4-6	1800
	Bristol	10·1	-10	WSW	3	c-bc	62	65	49	8	3	-	3	7-8	7-8	2500
	Portland Bill	11·7	-12	SW	4	pr	56	86	52	8	2	-	-	7-8	7-8	4000
	Plymouth	12·4	-2	W	3	c/pr	56	75	49	8	2	-	3	7-8	9	2000
	The Lizard	12·9	0	WNW	4	PR	56	85	50	7	5	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	13·3	0	WNW	5	c-bc	59	65	47	8	8	6	2	7-8	7-8	1500
	Guernsey															
6	Pembroke	10·5	+2	WNW	5	c-bc	55	75	47	8	2	4	2	2-3	7-8	2000
7	Holyhead (Valley)	08·3	+2	WSW	3	bc	57	65	47	9	2	6	6	2-3	4-6	2500
	Chester (Sealand)	08·5	-6	N	2	PR	52	85	48	6	2	2	-	7-8	9	2500
8	Manchester	08·3	-4	SW	2	pr	54	75	46	8	3	6	3	4-6	9+	2000
10	Spurn Head	08·3	-4	S	4	c-bc	58	75	50	7	3	3	-	4-6	7-8	2500
	Catterick (Sc)	06·9	-8	SSW	2	c-bc	62	55	44	8	8	-	-	7-8	7-8	2500
	Tynemouth	07·5	+4	E	2	c-bc/pr	52	85	48	7	2	-	-	7-8	7-8	2400
11	St. Abbs Head	06·3	+4	-	0	r/tlr	51	97	51	8	9	6	-	7-8	9	3000
	Leuchars	04·8	-4	WSW	2	pr	58	65	44	8	2	7	-	7-8	9	1500
12	Renfrew (Abbots I.)	05·6	+2	NNE	2	pr	57	75	49	8	3	-	3	7-8	9	2000
	Eskdalemuir	05·4	0	W'S	2	c	53	65	42	8	8	-	-	9	9	1800
	Point of Ayre	06·6	0	WNW	4	bc	60	65	48	8	2	-	-	2-3	4-6	3000
13A	Tiree	06·3	+10	WNW	2	bc	55	75	46	9	2	-	-	4-6	4-6	2500
13B	Stornoway	05·2	+10	-	0	c-bc/pr	51	85	45	8	9	-	-	7-8	7-8	1800
15	Dalwhinnie	05·2	+2	S'E	1	ir₀	51	75	43	8	5	9	-	7-8	9+	2500
	Aberdeen	05·2	+2	SSE	4	b-bc	58	65	46	8	3	-	'	2-3	2-3	4000
	Wick	05·2	+2	SSE	2	bc	54	75	48	9	8	-	-	4-6	4-6	2000
16	Sumburgh	05·9	+6	SSW	2	bc	55	85	49	9	8	6	-	2-3	4-6	3000
17	Blacksod Point	10·2	+12	NW'W	5	c/pr	56	75	48	8	8	-	-	9+	9+	2500
18	Malin Head	06·2	+6	NW'N	2	bc	54	75	46	8	8	-	-	4-6	4-6	1500
	Aldergrove	06·5	+2	W	1	c/pr	55	85	49	8	3	-	-	9	9	2000
19	Birr Castle	09·1	-2	WNW	3	c-bc	58	65	46	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	13·8	+8	NW'W	4	c-bc/pr	55	76	48	8	8	-	-	7-8	7-8	2500
	Roches Point	11·3	0	NW	4	bc/pr	56	75	48	8	3	-	3	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 15th June — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	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. 15th (39)	13h.–18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.–7h. 16th (42)
London (Kew)	09·1	-2	NW'N	2	c/phr	54	75	47	8	9	-	3	7-8	9+	1500	1	•	gprtl	phrtl	ctlprc	cbcc
Croydon	10·1	-4	SSW	3	t	59	55	43	7	9	6	3	4-6	7-8	2000	1	•	cypr₀cy	ctlrphbcy	ctpr₀bcc	ciddbc
S. Farnborough	09·2	-6	SW	3	c/pr	56	75	50	8	8	6	3	7-8	9	2000	1	•	cjptlrpRprpr₀	cpr₀PHtlc	cprhcbc	bcbbcw
Boscombe Down	10·1	+4	W'N	4	c-bc	57	65	44	8	3	6	3	2-3	7-8	2500	1	•	ccpr₀ ypr	cprbcybc	bccpr₀bc	bcbbc
Thorney Island	10·8	-2	SW'W	3	bc/pr	57	65	47	8	3	6	3	4-6	4-6	2500	1	•	cpr₀ m₀bc	ccpr₀ bc	bcc Fcpr₀	bc
Lympne	10·4	-6	SW	4	bc	56	65	45	8	3	-	3	4-6	4-6	2100	0	§4	bcpr₀c	cbcc	bcbcm₀	bcm₀wc
Manston	10·0	-2	W	1	c-bc	56	65	49	8	9	6	-	4-6	7-8	1000	0	•	cy	cypr₀cy	cbc	bcc
Shoeburyness	10·3	+4	SW	2	c-bc/pr	58	65	48	8	8	7	-	2-3	7-8	2500	1	•	bccy	cycphpr	cpr₀	cpr₀
Felixstowe	08·9	-2	SW	2	c-bc	56	75	50	8	8	-	-	4-6	7-8	2500	1	3	cybcbcy	ccprc	cbcc	bcc
Gorleston	09·1	+4	NNW	1	c-bc/tlr	52	85	49	7	9	-	-	7-8	7-8	1700	1	2	ctl	cptlr	bc	bcc
Mildenhall	08·4	0	SSW	3	c/pr	53	85	49	8	3	6	3	7-8	9	2500	1	•	cprt	cprhtlrcpr	cbcqprbcc	ccm₀
Cranwell	07·2	-4	WSW	2	c	60	55	42	7	2	6	3	4-6	9	2500	1	•	cpr₀ctlr₀	ctlrbccjplcy	cybcm₀	cbcm₀
Birmingham	08·4	+4	NW	3	t	55	65	44	7	3	-	-	4-6	4-6	2500	1	•	cPR	tcPRbc	bc pr₀	bcc
Upper Heyford	08·3	-4	W	3	pr	55	75	47	9	3	6	3	4-6	9	2500	1	•	cm₀prbcpr₀	bcjppr₀	bcpr₀bc	bccy
Ross-on-Wye	08·6	0	WNW	3	bc	59	55	43	8	8	-	3	4-6	4-6	3500	0	•	ccp₀ctp₀	bcptbc	cbc	bccr
Hartland Point	11·0	+4	WNW	5	bc	55	75	48	8	2	-	5	4-6	4-6	2000	0	4	cprbc	bcc	bbc	prc
Bristol	10·1	+2	WNW	3	pr	52	92	49	8	9	6	3	4-6	9+	1500	1	•	ccjpcpr₀c	cbccpr₀cpRc	bcc	cbcm,cbc
Portland Bill	11·1	+6	SW	4	c-bc	57	85	53	8	2	4	-	4-6	7-8	4000	1	4	ccr	c	c	c
Plymouth	12·5	+2	W'N	5	bc/pr	58	75	48	9	2	-	3	4-6	4-6	2500	1	2	bccpr₀	cpr₀bc	bccpr	cpr₀
The Lizard	13·1	+2	NW	4	bc	56	75	48	8	1	3	-	4-6	4-6	2500	1	4	bccpr	cprbc	bcclbc	bccwbcc
Scilly (St. Mary's)	13·8	+6	WNW	6	bc	56	75	47	8	8	4	-	4-6	4-6	1500	0	5	cp₀qc	cp₀bc	bcpr₀c	c
Guernsey																					
Pembroke	10·5	0	WNW	4	c-bcq	55	55	39	8	2	7	1	2-3	7-8	2500	0	3	cpr₀bc	bcq	cbcq	cpr₀q
Holyhead (Valley)	08·3	0	W	4	c	54	85	48	9	2	6	-	4-6	9	3000	1	3	cbc	bccbc	cbcpr₀c	c
Chester (Sealand)	07·8	-2	SSW	3	pr	57	65	44	8	3	-	3	7-8	7-8	2500	1	•	cPRh₀p	cbc, cpr	ctlpr	cr₀prz₀
Manchester	07·9	0	W'N	3	bc	57	65	42	8	2	6	3	2-3	4-6	2500	1	•	cprtlrc	pr₀pRcy	bcycpR	cbm₀pr₀
Spurn Head	07·5	0	E	4	c	53	85	49	7	6	-	•	9+	9+	2200	1	3	tcrc	tcpr₀c	bc	bcz₀
Catterick (Sc)	06·2	-4	SW	3	bc	59	65	45	8	8	-	5	4-6	4-6	3000	1	•	cpr₀tc	cyc	cbc	bc
Tynemouth	06·9	0	S	3	c-bc	53	75	48	7	2	-	-	7-8	7-8	2400	1	2	bcm₀cpt	optc	cPtbc	bcbc
St. Abbs Head	05·3	-2	SE	3	bc	55	85	50	8	2	4	-	4-6	4-6	2500	0	2	cprctlr	crbcprbc	bc	bccmbc
Leuchars	05·0	+2	-	0	bc	59	55	43	8	2	3	3	2-3	4-6	3000	0	•	bcc	cpr₀bcy	c	c
Renfrew (Abbots I.)	05·8	+2	NW'W	3	bc	58	65	44	8	3	-	-	4-6	4-6	2000	1	•	cm₀pcphcp	cpr₀cbc	bccw	cwcpr₀bc
Eskdalemuir	05·5	+4	SSW	4	c-bc/pr	52	85	46	8	8	7	1	4-6	7-8	1900	1	•	c	cpr	cpc	bc
Point of Ayre	06·7	0	NW'W	3	bc	57	75	47	8	3	6	3	1	4-6	2500	0	3	bcc	bccbc	b	bbcc
Tiree	06·9	+2	WNW	2	b	53	75	46	9	2	4	-	1	1	2500	0	2	cbccbc	bcb	bcbc	c
Stornoway	06·5	+10	-	0	c-bc/pr	53	75	41	8	3	3	-	7-8	7-8	1600	1	1	bcjpcpr₀c	bccpr₀c		cvcpr₀
Dalwhinnie	06·0	+2	S	1	PR	49	75	43	7	5	9	-	4-6	7-8	2500	1	•	cirf	cpr₀c	•	cprb
Aberdeen	05·8	+6	SSE	3	b-bc	55	65	44	7	2	6	-	1	2-3	5000	0	2.	cz₀bcb	byb	bbccbw	bwc
Wick	06·6	+10	SE	1	bcjp	54	85	49	9	3	7	3	4-6	4-6	3000	0	•	cbc	bcjp	bcfg	Fbcfgbc
Sumburgh	06·7	+2	SW	2	b-bc	53	85	49	9	2	6	-	1	2-3	2500	0	2	bc	bc	cbc	c
Blacksod Point	11·1	+6	NW'W	4	c/pr	53	85	49	8	9	-	-	9+	9+	2500	1	3	pr	pr	bc	pr
Malin Head	07·4	+6	NNW	3	pr	53	85	48	8	8	-	3	4-6	7-8	1500	2	2	pr	pr	c	pr
Aldergrove	07·6	+10	-	0	c-bc	54	75	47	9	3	-	3	7-8	7-8	3000	1	•	ccP	ccPRcbc	cpr	cbc
Birr Castle	09·5	+4	WNW	3	c-bc	59	65	48	8	3	7	3	4-6	7-8	800	1	•	pr	pr	•	pr
Valentia Obsy.	14·7	+6	NW'W	5	bc	55	75	47	8	2	-	2	4-6	4-6	2500	1	5	pr	pr	pr	pr
Roches Point	12·0	+6	NW'N	5	bc/pr	56	85	51	8	3	-	3	4-6	4-6	1500	1	3	pr	pr	c	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 16th June.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate northwest wind backing south; variable cloud and showers at first with local thunderstorms: mainly fair later: cool.
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands	Moderate northwest wind backing south, fresh or strong locally; bright intervals and showers at first followed by a brief fair interval: rain spreading from West to-morrow morning with local coast and hill fog: cool.
10 N.E. England, 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	As 5-9
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	Moderate west wind backing south and freshening; rain spreading from west followed by variable cloud and local showers: local coast fog: becoming warmer.

GENERAL INFERENCE

A trough of low pressure over the North Sea is moving east. A feeble ridge off West Ireland is moving east followed by troughs of low pressure. There will be thundery showers at first followed by a brief fair interval. Rain will reach western districts of the British Isles later today and extend eastwards.

FURTHER OUTLOOK

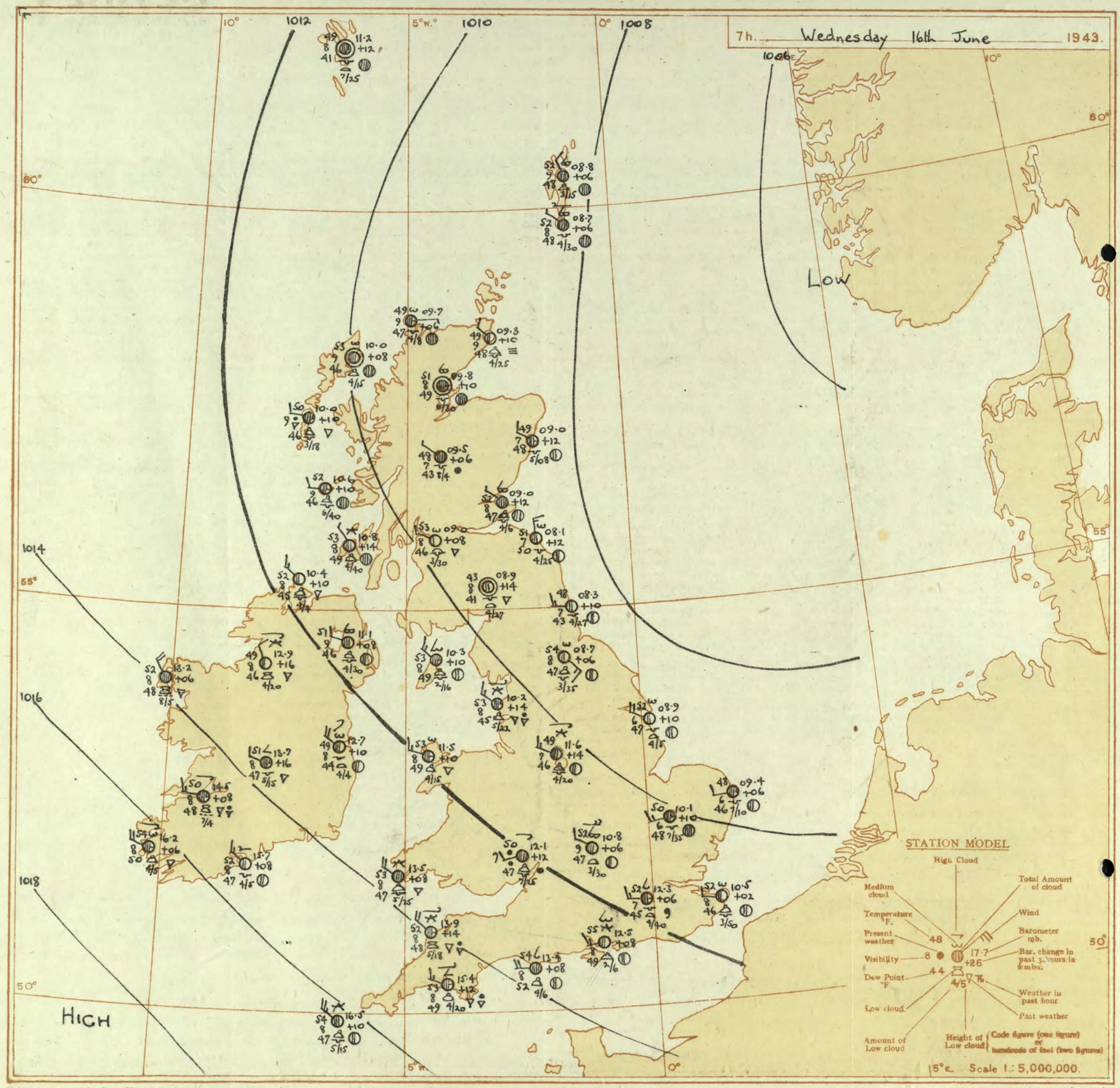
Unsettled generally with some rain in most districts; warmer than of late in most districts except the extreme North.

Forecasts issued at 1300

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

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

7h. Wednesday 16th June 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

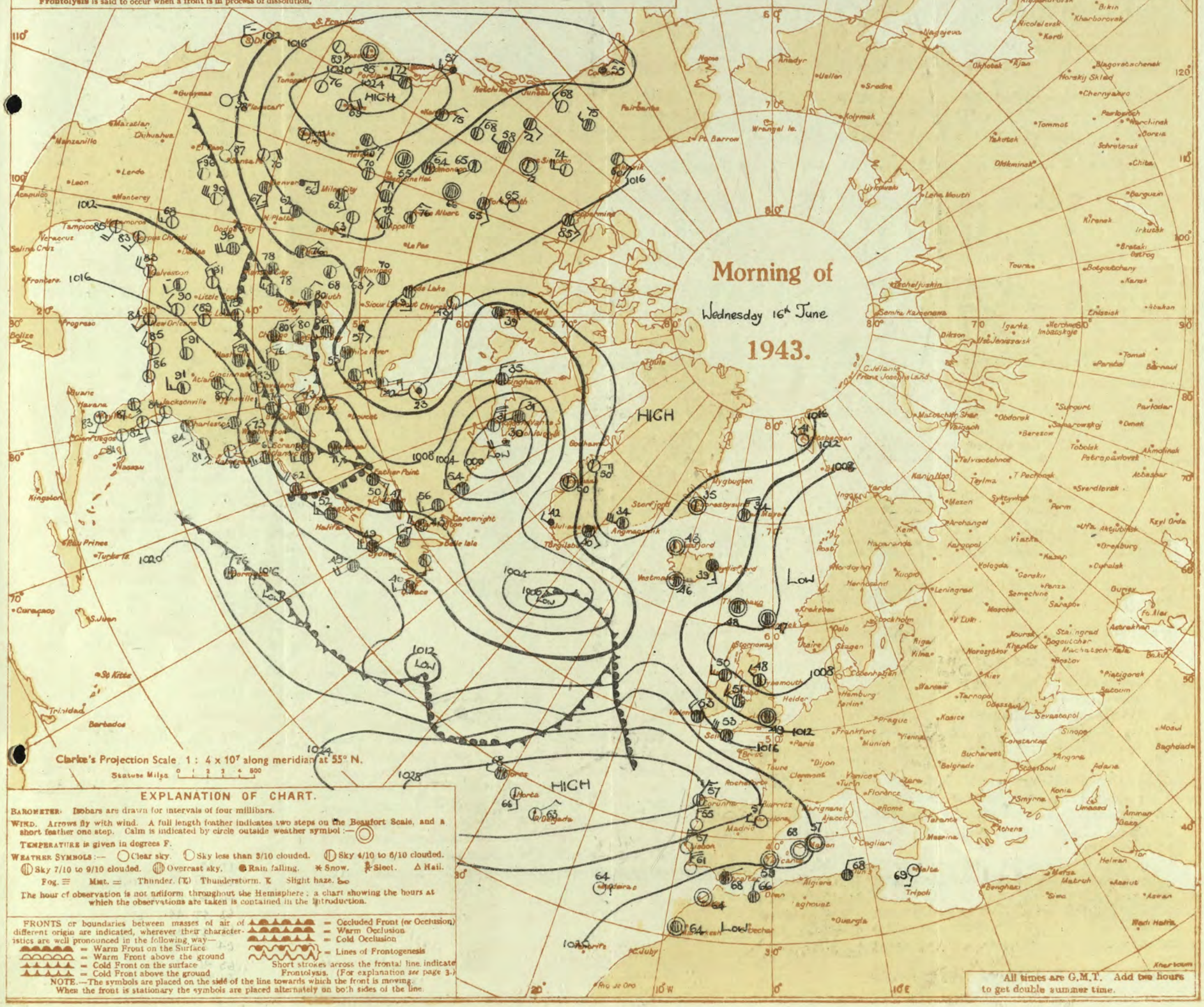
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 16th June 1943

No. 29791

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	11.6	+6	–	0	c	49	85	45	7	5	4	–	7-8	9	3500
	S. Farnborough	226	11.0	+6	W	3	bc	49	85	45	8	8	3	3	2-3	4-6	2500
	Boscombe Down	417	11.7	+6	WSW	2	bc	47	92	45	8	8	–	–	2-3	4-6	3000
	Thorney Island	10	11.3	+2	W'S	3	pr	51	85	47	8	2	3	–	4-6	9	4000
	Lympne	283	10.8	+2	W	3	zo	47	97	45	6	–	8	2	0	4-6	–
	Manston	154	10.0	–2	W'S	2	bc	47	85	44	7	3	–	3	Tr	4-6	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	09.2	+2	W'S	3	c	49	85	45	7	–	3	–	0	9	–
	Gorleston	5	08.7	0	WSW	1	b-bc	50	85	46	7	8	4	–	1	2-3	2500
	Mildenhall	15	09.1	+6	SWW	3	c	49	92	44	7	5	3	–	4-6	9+	2500
	Cranwell	203	08.6	+2	W	2	zo	48	85	44	6	–	6	–	0	7-8	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10.2	+6	W	1	b-bc	47	92	45	8	5	–	–	2-3	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12.1	+6	NW	5	cjp	53	85	47	8	3	6	–	7-8	9	2500
	Bristol	209	11.4	+2	WSW	3	c-bc	49	92	47	6	8	–	–	7-8	7-8	4000
	Portland Bill	32	12.2	+6	W	4	c-bc	55	92	53	8	2	–	–	7-8	7-8	4000
	Plymouth	82	14.2	+6	WNW	3	c/pr	52	92	50	7	3	–	3	7-8	9+	2000
	The Lizard	240	15.0	+8	WNW	5	bc	53	85	47	8	2	3	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	15.5	+2	NWW	6	c	53	85	47	8	8	7	–	7-8	10	1200
	Guernsey	175															
6	Pembroke	142	12.1	+8	NWN	4	bcq	53	85	48	8	2	7	–	2-3	4-6	2500
7	Holyhead (Valley)	32	10.1	+10	WNW	3	c/pr	51	85	48	8	8	3	–	4-6	9+	3500
	Chester (Sealand)	16	08.7	+2	NWW	2	rero	51	85	46	7	8	3	–	7-8	9	2500
8	Manchester	235	09.7	+2	SW'S	2	c/pr	48	97	47	7	9	–	–	9	9	1500
10	Spurn Head	29	07.9	+2	WNW	4	bc	53	75	46	7	4	3	–	2-3	4-6	2500
	Catterick (Sc)	192	07.8	+2	–	0	b-bc	44	92	43	8	5	3	–	Tr	2-3	4000
	Tynemouth	108	07.3	–4	NW	2	bc	48	85	44	7	5	3	–	4-6	4-6	2500
11	St. Abbs Head	280	06.4	0	WNW	2	bc	50	92	48	7	5	4	–	4-6	4-6	4000
	Leuchars	36	05.7	+4	NW	1	c-bc	47	75	39	8	8	4	–	4-6	7-8	3000
12	Renfrew (Abbots I.)	19	07.7	+4	W'S	2	c	47	85	44	9	8	3	–	4-6	9	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08.7	+4	N'W	3	b-bc	51	85	47	8	2	–	–	2-3	2-3	2000
13A	Tiree	44	05.0	+6	WNW	1	c-bc	47	92	45	9	1	3	–	1	7-8	1500
13B	Stornoway	15	08.4	+8	–	0	c-bc	46	97	45	8	5	3	–	4-6	7-8	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	07.4	+4	–	0	b-bc	41	92	40	8	–	7	–	0	2-3	–
	Wick	114	08.0	+6	NW	2	bcf	44	97	43	2	6	–	–	4-6	4-6	200
16	Sumburgh	19	07.8	+2	–	0	c-bc	49	92	47	8	5	3	5	4-6	7-8	2500
17	Blacksod Point	18	12.4	+4	NW	3	bc	49	85	45	8	8	5	6	2-3	4-6	2500
18	Malin Head	84	08.9	+4	W	2	c-bc	50	85	45	8	8	–	–	7-8	7-8	1500
	Aldergrove	268	09.9	+10	NW	1	pr	49	85	46	8	9	–	–	9+	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.1	0	NW'W	4	c/pr	53	85	49	8	8	–	–	10	10	2500
	Roches Point	22	14.6	+2	NW	4	bc	51	85	47	8	5	–	5	2-3	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11.8	+10	NE	2	c	52	85	46	7	8	4	1	7-8	9	2500	1	*
Croydon	12.3	+6	W	3	c	52	75	45	7	7	4	3	4-6	9	4000	1	*
S. Farnborough	11.9	+6	W'N	3	bc	53	75	46	8	8	7	4	2-3	4-6	3000	1	*
Boscombe Down	12.3	+6	W'S	3	c-bc	51	92	48	7	8	6	–	4-6	7-8	1000	0	*
Thorney Island	12.5	+8	W'S	3	bc	55	85	49	8	2	6	9	1	4-6	4000	0	*
Lympne	11.6	+8	WNW	3	bcjp	50	92	48	7	1	7	4	Tr	4-6	2500	0	§ 2
Manston	10.5	+2	W	2	bc	52	85	46	8	8	3	–	2-3	4-6	5000	0	*
Shoeburyness	11.4	+8	W	2	zo	53	85	48	6	–	5	–	0	7-8	–	1	*
Felixstowe	10.2	+10	WNW	3	c-bc	53	85	48	7	–	3	–	0	7-8	–	0	2
Gorleston	09.4	+6	W	2	c	48	92	46	6	5	–	–	9+	9+	1000	1	2
Mildenhall	10.1	+10	WSW	3	zo	50	92	48	6	5	–	–	9+	9+	3500	1	*
Cranwell	09.6	+6	W'N	3	zo	51	85	46	6	1	7	–	2-3	9	2500	1	*
Birmingham	11.1	+10	WNW	3	c/pr	49	85	44	6	8	7	–	4-6	9	1500	1	*
Upper Heyford	10.8	+6	WNW	2	c-bc	52	85	47	9	1	7	2	2-3	7-8	3000	0	*
Ross-on-Wye	12.1	+12	WSW	2	ir	50	92	47	7	8	–	3	9+	10	2500	1	*
Hartland Point	13.9	+14	NW	4	c/pr	52	85	48	8	3	6	1	7-8	9	1800	1	4
Bristol	13.2	+10	WNW	3	c	52	85	49	7	8	6	–	7-8	9	4000	1	*
Portland Bill	13.4	+8	W	4	c	54	92	52	8	2	4	–	4-6	10	4000	1	4
Plymouth	15.4	+12	WNW	3	c/pr	53	85	49	8	2	1	1	4-6	9	2000	1	2
The Lizard	16.1	+6	NW	4	c-bc	57	85	53	8	8	6	–	7-8	7-8	2000	1	
Scilly (St. Mary's)	16.5	+10	NWW	5	c-bc	54	75	47	8	8	6	–	7-8	7-8	1500	0	5
Guernsey																	
Pembroke	13.5	+8	NW	4	cq	53	85	47	8	8	6	–	7-8	10	2500	0	3
Holyhead (Valley)	11.5	+10	WNW	3	c	53	85	49	8	2	3	–	4-6	9	1500	1	2
Chester (Sealand)	10.5	+12	WNW	2	c/phr	51	75	45	8	8	7	–	7-8	9+	2000	1	*
Manchester	10.3	+10	W'S	3	c-bc/pr	51	85	45	6	3	6	3	7-8	7-8	2000	1	*
Spurn Head	08.9	+10	WNW	4	bc	52	85	47	6	7	3	–	4-6	4-6	2500	1	3
Catterick (Sc)	08.7	+6	NW	3	bc	54	75	47	8	8	3	–	2-3	4-6	3500	0	*
Tynemouth	08.3	+10	W	3	bc	48	85	43	7	5	–	–	4-6	4-6	2700	1	2
St. Abbs Head	08.1	+12	N	3	c-bc	51	97	50	7	5	3	–	4-6	7-8	2500	0	3
Leuchars	09.0	+12	NW	1	c	52	85	47	8	8	7	–	4-6	10	4000	1	*
Renfrew (Abbots I.)	09.0	+8	W'N	2	b-bc	53	75	46	8	4	3	–	2-3	2-3	3000	1	*
Eskdalemuir	08.9	+14	–	0	bc	43	92	41	8	7	–	–	4-6	4-6	2700	1	*
Point of Ayre	10.3	+10	NW'N	3	c	53	85	49	8	8	5	–	1	9+	1600	0	3
Tiree	10.6	+10	W	2	c	52	75	46	9	8	–	–	9	9	4000	0	2
Stornoway	10.0	+8	–	0	c-bc	52	75	46	9	2	3	–	4-6	7-8	1500	1	1
Dalwhinnie	09.5	+6	NW	1	c	48	85	43	7	5	–	–	10	10	1500	1	*
Aberdeen †	09.0	+12	NW	2	c	49	97	48	7	5	–	–	7-8	9	800	0	2
Wick	09.3	+10	NW	2	bc	49	92	48	9	8	–	–	4-6	4-6	2500	1	*
Sumburgh	08.7	+6	NW	1	c	52	92	48	8	5	7	5	4-6	9+	3000	0	1
Blacksod Point	13.2	+6	NW'N	3	c	52	85	47	8	9	–	–	10	10	2500	1	3
Malin Head	10.4	+10	NW'N	3	bc	52	75	44	8	8	–	–	4-6	4-6	1500	2	2
Aldergrove	11.1	+8	W'N	2	c-bc	51	85	46	9	8	7	–	4-6	7-8	3000	1	*
Birr Castle	13.7	+16	WNW	2	c	51	85	46	8	5	1	–	7-8	9+	2500	1	*
Valentia Obsy.	16.2	+6	W'N	4	c	54	85	49	8	2	3	3	4-6	9	2500	1	3
Roches Point	15.7	+8	NW	3	bc	52	85	47	8	5	–	5	4-6	4-6	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 15th Hrs. (38)
London (Kew)	60	48	34	3	6	6.4
Croydon	63	47	43	4	0.4	10.4
S. Farnborough	61	46	38	4	Tr	7.6
Boscombe Down	61	44	41	2	0.2	5.8
Thorney Island	63	47	44	1	0.1	*
Lympne	60	40	41	2	–	12.2
Manston	64	45	42	Tr	–	9.7
Shoeburyness	65	47	44	3	0.3	11.0
Felixstowe	65	43	44	3	–	9.1
Gorleston	63	46	42	6	0.1	8.3
Mildenhall	63	46	45	3	0.1	7.2
Cranwell	62	46	44	4	–	5.6
Birmingham	60	47	41	3	Tr	6.8
Upper Heyford	62	45	35	5	–	*
Ross-on-Wye	61	48	45	0.2	0.5	6.3
Hartland Point	57	50	48	0.3	0.6	11.4
Bristol	62	46	39	2	4	7.3
Portland Bill	58	52	*	0.4	–	*
Plymouth	60	51	46	1	2	9.1
The Lizard	59	51	*	2	–	10.6
Scilly (St. Mary's)	60	52	*	0.3	Tr	12.2
Guernsey						
Pembroke	55	50	*	Tr	Tr	10.0
Holyhead (Valley)	59	49	45	-	–	*
Chester (Sealand)	58	47	39	15	7	6.1
Manchester	58	46	43	3	2	*
Spurn Head	51	49	*	6	2	5.5
Catterick (Sc)	65	42	37	6	–	8.2
Tynemouth	57	47	45	4	10	*
St. Abbs Head	57	49	*	3	–	
Leuchars	61	47	40	Tr	–	9.9
Renfrew (Abbots I.)	59	45	39	4	0.1	5.7
Eskdalemuir	56	32	29	5	2	5.7
Point of Ayre	61	51	*	-	–	11.2
Tiree	56	47	41	-	0.1	12.5
Stornoway	54	43	33	1	–	5.7
Dalwhinnie	56	41	34	2	11	3.1
Aberdeen †	60	40	36	-	–	11.0
Wick	57	42	40	Tr	–	*
Sumburgh	56	48	39	Tr	–	5.8
Blacksod Point	57	48	*	5	3	
Malin Head	54	49		0.6	0.4	8.8
Aldergrove	58	47	45	6	0.2	7.0
Birr Castle	61	47	45	3	1	6.3
Valentia Obsy.	58	51	48	0.5	1	9.7
Roches Point	58	50		0.6	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 16th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109				24	02844	16224	57	01844	00014	14	01853	00014
115	54	01964	20224	84	02964	04225				53	02984	08126
203	20	01953	16223							03	01940	00024
206	36	01954	08214	66	82646	00087	53	01864	00024	57	02866	00027
210	30	01953	06314	36	01964	20224	83	02865	32126	43	02955	01126
219	36	01954	25314	30	01953	26313	8-	02955	25125	8-	81943	25287
280				86	01964	26314	84	01953	26213	86	01952	00012
245	36	25836	25863	36	01862	14303	44	01861	30212	74	02378	15117
260	80	25856	10186	26	02744	20185	53	05664	00025			
278	26	02955	28225	30	01953	26313	23	01853	26314	8-	02955	26327
279	30	10964	20484	96	11944	22385	56	01853	28284	14	02963	26215
285	33	25854	24585							20	01743	28513
288	37	02854	22214	86	02864	08225	06	01790	18212	84	02864	22225
575	3-	81855	28385	3-	02855	30486	93	02754	28327	36	01854	30184
301	20	01954	24384	86	01953	57324	2-	01954	26314	26	25855	28387
321	86	25864	19387	86	02764	24215	54	05665	22115	83	05663	28214
290	8-	93746	22196	50	02745	16385	50	01743	22213	40	01763	22113
292	36	02854	22224	20	01964	24314	40	01873	00013	83	01873	28124
310												
614	86	02754	20226	86	02865	28126	54	05663	23114			

III	13h. G.M.T. 15th June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 16th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
338	24	02964	24387	26	02963	22485	23	81644	24327	93	02745	28387
334	--	25645	26286							--	63647	26188
340	3-	02865	32286	30	25854	30185	5-	02877	23117			
136	36	02755	20395	9-	02955	20296	8-	81667	22217	13	05641	24325
336	10	01764	24414	13	01764	28415				57	02754	24487
350	99	28855	17397	36	02764	18385	50	05665	20285	53	02763	22216
368	30	01954	24484	29	02944	23415				24	81854	24315
379												
390	30	25733	22384	36	02754	20196	53	08473	20195	57	05631	26226
382	36	02854	23395	86	81855	22296	44	01763	24128	73	01864	26315
438	27	02753	23515	84	02754	24515	80	01765	22415	24	01763	24318
430	20	01854	18485	26	25854	23385	5-	02866	28126	17	01862	25114
409	86	01955	26425	26	01955	27415	87	02844	26428	87	10855	26426

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 Wed. 16th June
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	q pr tl	ph r tl	ctl prc
Croydon	cy prcy	ctl r ph bcy	ctl cid bc
Greenwich	⊕ c	c tl hr R	rR bc
Camden Square	ctlr	cr	*
Kensington	ctlrbc	prbc	*
Hampstead	bc ptl	or	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.1 Time 4-7h 16th
Min. <0.1 Time Rest of period

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	60	48	34	3	6	6.4	*	*
Croydon	63	47	43	4	0.4	10.4	*	*
Greenwich	66	46	37	6	6	7.9	93	73
Westminster	63	47	44	18			95	84
Regents Park	63	47	43	1	3		73	77
Camden Square	64	47	43	3	2	*	*	70
Kensington	63	46	39	4	3		73	74
Hampstead	61	44	39	1	1		*	75

Page 1 BRITISH SECTION

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

SECRET

Thursday 17th June 1943

No. 29792

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

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	+4	NW	3	pr	59	55	43	8	9	1	3	4-6	9	2500
	Croydon	13.3	−4	SW	2	c/tlr	57	65	46	7	3	6	3	7-8	9+	2500
	S. Farnborough	13.3	+6	NW'W	5	pr	59	55	43	8	8	6	3	4-6	9	2500
	Boscombe Down	14.4	+10	NW'N	4	pr	52	85	47	7	3	6	-	9	9+	1200
	Thorney Island	13.6	+2	WSW	4	c/pr	63	65	53	9	3	-	2	7-8	9	4000
	Lympne	13.0	+10	SW	3	c-bc/pr	56	85	49	8	3	6	3	4-6	7-8	2000
	Manston	11.1	−6	W'N	3	c	63	45	43	7	3	3	3	4-6	9+	3000
2	Shoeburyness	12.9	+2	W	3	c-bc/ph	54	75	48	7	3	-	-	7-8	7-8	2500
	Felixstowe	11.4	+6	NW'W	4	c/pr	58	65	44	8	8	-	-	9	9	4000
	Gorleston	10.6	+8	ESE	2	c-bc	55	75	48	7	8	-	-	7-8	7-8	1500
	Mildenhall	12.5	+18	NNW	2	t	52	85	48	6	3	-	-	9+	9+	1500
	Cranwell	10.7	+2	WNW	3	c	56	75	47	7	3	6	-	7-8	9	2500
3	Birmingham	13.0	+8	WNW	4	c-bc/pr	55	55	40	8	3	-	-	7-8	7-8	2500
	Upper Heyford	12.2	+20	WNW	3	c-bc/pr	55	85	48	9	3	6	-	7-8	7-8	2500
4	Ross-on-Wye	13.4	+6	NNW	3	c	57	75	50	8	8	-	2	7-8	9+	3000
5	Hartland Point	15.9	+8	WNW	4	c	56	75	49	8	2	-	6	4-6	9	2000
	Bristol	14.2	+4	W'N	4	c	61	75	51	8	3	-	3	7-8	9	2500
	Portland Bill	14.8	+6	W	4	c	58	85	54	8	2	-	-	9	9	4000
	Plymouth	17.2	+8	WNW	4	c	59	65	46	9	2	-	8	9	9+	2000
	The Lizard	17.7	+8	NW	4	c/pr	59	85	53	8	?	2	-	7-8	9+	2000
	Scilly (St. Mary's)	18.0	+2	W'N	4	c	59	75	49	8	8	7	-	4-6	10	1500
	Guernsey															
6	Pembroke	16.0	+2	WNW	3	cq	56	75	49	8	8	7	-	7-8	9	2500
7	Holyhead (Valley)	13.9	+6	WNW	3	c	60	65	47	9	2	6	6	2-3	9	1800
	Chester (Sealand)	12.4	+6	N'W	4	bc	58	65	46	8	8	-	1	4-6	4-6	3000
8	Manchester	11.8	+2	NW'W	4	bc	59	65	46	8	2	6	3	4-6	4-6	2500
10	Spurn Head	10.5	+6	NNW	3	c	57	65	47	7	3	3	-	9+	9+	1500
	Catterick (Sc)	09.8	+2	N	2	c	60	55	46	9	8	-	-	9	9	3000
	Tynemouth	11.5	+14	NNW	3	c-bc	56	75	49	7	8	-	-	7-8	7-8	2200
11	St. Abbs Head	10.5	+8	NW	3	c	54	92	52	7	5	2	-	7-8	9+	2500
	Leuchars	10.8	+8	ESE	2	tlr	57	75	49	8	8	7	-	7-8	9	2000
12	Renfrew (Abbots I.)	10.3	+2	W'N	3	c-bc	62	55	44	9	2	-	-	7-8	7-8	2000
	Eskdalemuir	10.9	+14	S'E	1	fH	49	85	45	6	9	-	-	10	10	700
	Point of Ayre	12.4	+12	NW	3	b-bc	61	65	50	8	3	-	4	1	2-3	2500
13A	Tiree	12.6	+8	NW'W	3	bc	56	65	44	9	2	3	-	2-3	4-6	2500
13B	Stornoway	11.8	+6	-	0	c-bc	55	75	47	8	8	6	4	7-8	7-8	2500
15	Dalwhinnie	11.0	+6	N	1	c	56	65	42	7	7	4	-	7-8	9	2500
	Aberdeen	10.8	+8	E'N	3	bc	58	75	49	8	3	6	6	2-3	4-6	4000
	Wick	11.2	+10	NW	2	c	58	65	46	9	1	-	6	4-6	9	2500
16	Sumburgh	10.2	+6	NW	4	c-bc	55	75	47	8	2	7	8	2-3	7-8	2500
17	Blacksod Point	14.2	0	W	3	c/pr	54	85	50	8	5	-	-	10	10	2500
18	Malin Head	12.6	+8	N'W	3	bc	55	75	48	8	2	-	-	4-6	4-6	1500
	Aldergrove	12.8	+4	NW'W	2	PR	57	65	47	8	3	-	-	9	9	2000
19	Birr Castle	14.3	+2	WSW	2	c	59	65	48	8	8	1	-	7-8	9+	1500
20	Valentia Obsy.	15.4	−6	SW	3	c	58	75	51	8	2	7	-	2-3	10	2500
	Roches Point	16.0	0	W	2	c	57	85	53	8	8	1	-	4-6	9+	1500

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

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)	13.3	+2	SW'W	2	c/pr	57	65	47	8	8	1	6	4-6	9	2500	1	*
	Croydon	14.2	+10	WSW	3	pr	56	75	47	7	8	6	2	4-6	9+	3000	1	*
	S. Farnborough	14.2	+12	W	3	c	56	65	44	9	8	7	7	4-6	10	4000	1	*
	Boscombe Down	14.9	+10	W	4	c	56	65	45	8	2	7	6	4-6	9+	1800	0	*
	Thorney Island	14.8	+8	NW'W	3	c/pr	56	75	49	9	7	2	-	4-6	10	2500	1	*
	Lympne	13.8	+10	WSW	3	c/tlr	50	85	46	8	3	6	3	7-8	9	2500	1	§3
	Manston	13.2	+10	SW	3	c-bc/tlr	54	75	48	6	3	6	4	4-6	7-8	2000	1	*
2	Shoeburyness	13.4	+4	NW	2	c-bc/pr	57	75	49	8	3	9	2	7-8	7-8	2500	1	*
	Felixstowe	12.2	+4	W'N	4	c-bc	58	65	46	7	8	-	-	7-8	7-8	4000	0	3
	Gorleston	11.2	+2	-	0	c-bc	55	75	46	7	8	-	-	7-8	7-8	1500	1	2
	Mildenhall	12.1	+6	W'N	2	tlr	56	85	52	7	3	6	-	7-8	9+	1000	1	*
	Cranwell	12.6	+16	W	1	r/tlr	52	75	47	6	3	-	-	10	10	1200	1	*
3	Birmingham	13.9	+8	W	3	c-bc	56	55	40	8	8	-	-	7-8	7-8	1500	1	*
	Upper Heyford	13.3	+8	WNW	3	c-bc	56	75	45	9	3	6	6	4-6	7-8	2500	0	*
4	Ross-on-Wye	14.2	+8	NW'W	3	c	57	55	42	9	8	1	7	2-3	9+	3000	0	*
5	Hartland Point	16.3	+2	WNW	3	c	55	75	48	8	1	7	-	2-3	9+	2000	0	4
	Bristol	15.3	+8	W	4	c	55	85	50	8	4	7	-	2-3	9+	2500	1	*
	Portland Bill	15.8	+4	W	4	c	57	85	53	8	5	7	-	7-8	10	4000	1	4
	Plymouth	17.5	+2	W	3	c	57	75	49	8	2	7	-	2-3	10	2000	0	2
	The Lizard	17.7	+4	W	4	c	56	85	52	8	5	-	-	10	10	1500	0	4
	Scilly (St. Mary's)	17.5	−2	SW	3	roro	54	92	51	7	8	-	-	10	10	1200	1	4
	Guernsey																	
6	Pembroke	16.6	+2	W'N	3	c	55	85	50	8	8	7	-	7-8	10	2500	0	3
7	Holyhead (Valley)	14.8	+2	SW	3	bc	56	75	48	9	2	4	6	1	4-6	3000	1	2
	Chester (Sealand)	13.8	+10	NNW	4	bc	54	55	43	8	2	-	1	4-6	4-6	3000	0	*
8	Manchester	13.2	+10	W	2	b-bc	58	55	42	9	2	6	3	2-3	2-3	3000	0	*
10	Spurn Head	11.8	+4	NNW	3	c-bc	56	65	46	7	7	3	-	4-6	7-8	1500	0	3
	Catterick (Sc)	11.8	+4	W	1	bc	58	65	47	8	2	6	-	2-3	4-6	2500	0	*
	Tynemouth	12.6	+8	NNE	3	bc	56	75	47	7	2	3	-	4-6	4-6	2200	0	2
11	St. Abbs Head	11.5	+8	-	0	b-bc	57	92	54	7	1	-	-	2-3	2-3	4000	0	2
	Leuchars	11.9	+4	SSE	2	c-bc	60	55	45	8	3	7	3	4-6	7-8	2500	0	*
12	Renfrew (Abbots I.)	12.0	+10	NNW	2	bc/pr	57	75	49	9	3	6	-	4-6	4-6	2000	1	*
	Eskdalemuir	12.2	+8	N'E	1	c	51	85	46	8	8	-	-	10	10	1800	1	*
	Point of Ayre	13.5	+6	NW'W	4	b	59	65	47	8	3	-	8	1	1	3000	0	3
13A	Tiree	14.0	+8	NW	2	b	55	65	45	9	2	-	-	1	1	2500	0	2
13B	Stornoway	13.7	+12	ENE	1	c	54	85	53	9	8	-	-	9	9	2500	4	1
15	Dalwhinnie	13.0	+4	NW	2	c	51	75	43	7	5	9	-	7-8	9	1500	0	*
	Aberdeen	12.0	+4	-	0	c	56	65	46	8	8	6	2	2-3	9	4000	0	+
	Wick	12.7	+12	NNE	1	c-bc	55	85	49	8	8	-	9	4-6	7-8	2500	0	*
16	Sumburgh	11.5	+4	NW	3	c-bc	52	85	46	9	8	3	-	4-6	7-8	2000	0	1
17	Blacksod Point	14.9	+2	WNW	1	c	55	75	48	8	5	-	-	10	10	2500	1	,
18	Malin Head	13.7	+6	N	2	bc	54	85	50	8	2	-	-	4-6	4-6	2500	2	2
	Aldergrove	14.0	+6	SW	1	pr	55	65	45	9	3	-	-	9	9	1500	1	*
19	Birr Castle	14.4	+2	NW	2	c	58	65	46	8	8	1	-	7-8	9+	1500	1	*
20	Valentia Obsy.	15.4	+2	SSW	3	ro	56	85	52	8	2	7	-	1	10	2500	1	3
	Roches Point	15.3	−6	WSW	2	c	55	85	51	8	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather 7h.–13h. 16th (39)	Weather 13h.–18h. 16th (40)	Weather 18h. 16th to 1h. 17th (41)	Weather 1h.–7h. 17th (42)
1	London (Kew)	qprtpro	tkqproc	cbc	bezow
	Croydon	ctlr	cprobc	cprobcw	bcwbzo
	S. Farnborough	becpRprbcepr	cyc	cprcbcc	cwc
	Boscombe Down	bcccpr	cprc	c	ccmo
	Thorney Island	cprccpro	ccpro,pro	cw	cw
	Lympne	ctprc	bccprotlr	cbccobc	bwfgbmp
	Manston	bcczoy	cyprotlr	czobctlrpr	bbcbmo
2	Shoeburyness	cprcphro	cprc	ctropr	bcbmo
	Felixstowe	cproc	corocbc	ccproc	cbcbmo
	Gorleston	ctlr	ctlpr	bbcw	bcczo
	Mildenhall	cprocctlrc	ctlrpro	ctlrmocprocm	ocbmow
	Cranwell	cmotlroc	ctlro	ctlrbcmo	bmo
3	Birmingham	cbcc	bcpro	cbc	bcbz
	Upper Heyford	ccprc	ccjpc	cbc	bcbw
4	Ross-on-Wye	po cPc	cry	bccbc	c
5	Hartland Point	cprc	c	c	c
	Bristol	ccprocv	c	ccwcmow	cwcmow
	Portland Bill	c	c	c	co
	Plymouth	cpro	cproc	c	civoc
	The Lizard	bpcrc	co	ov	cproo
	Scilly (St. Mary's)	c	croro	crorc	odoc
	Guernsey				
6	Pembroke	c	c	c	cw
7	Holyhead (Valley)	c	cbc	bc	bcwfg
	Chester (Sealand)	bcy	bcbcy	bcybc	bc,b
8	Manchester	cprapR	bccbcy	bcybmo	bbcbmow
10	Spurn Head	tlrc	c	bc	bcmz
	Catterick (Sc)	bcproc	cproc	bcb	bcb
	Tynemouth	bcct	bc	bc	bcbmo
11	St. Abbs Head	cmoccmo	bcbmo	bcf bcmo	bcmo
	Leuchars	cjtlctlro	bc	bccbc	bcbcw
12	Renfrew (Abbots I.)	bcbcy	cproprbc	bcprbcbbc	bcbbw
	Eskdalemuir	cpHt	ctlh RR	cbc	bc
	Point of Ayre	bcb	b	b	b
13A	Tiree	cbc	b	b	bbwbcw
13B	Stornoway	cwbcprbc	cproc	bc	bbcw
15	Dalwhinnie	pirc	civoc	*	cproc
	Aberdeen	bc	bcc	c	c
	Wick	bcc	c	cbc	ccido
16	Sumburgh	bc	c	c	cproc
17	Blacksod Point	pr	c	c	c
18	Malin Head	pr	bc	bc	bc
	Aldergrove	bccpro	cPRbccpro	cprocbc	bcfgbfgbw
19	Birr Castle	pr	pr	*	c
20	Valentia Obsy.	c	r	r	r
	Roches Point	c	c	r	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light or moderate northwest wind backing south; bright periods; local thundery showers; cool.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light northwest wind backing south; fair at first; occasional rain spreading from west later with local coast fog; 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	As 4-8
14 Mid Scotland; 15 N.E. Scotland	As 1-3.
16 Orkneys and Shetlands	As 1-3.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light or moderate south wind fresh locally; occasional rain; local coast fog; rather warm.

GENERAL INFERENCE

A ridge of high pressure over the British Isles is moving east followed by troughs from the Atlantic. Weather will be fair at first apart from local thundery showers in the East but rain will soon commence in West Ireland and spread slowly east.

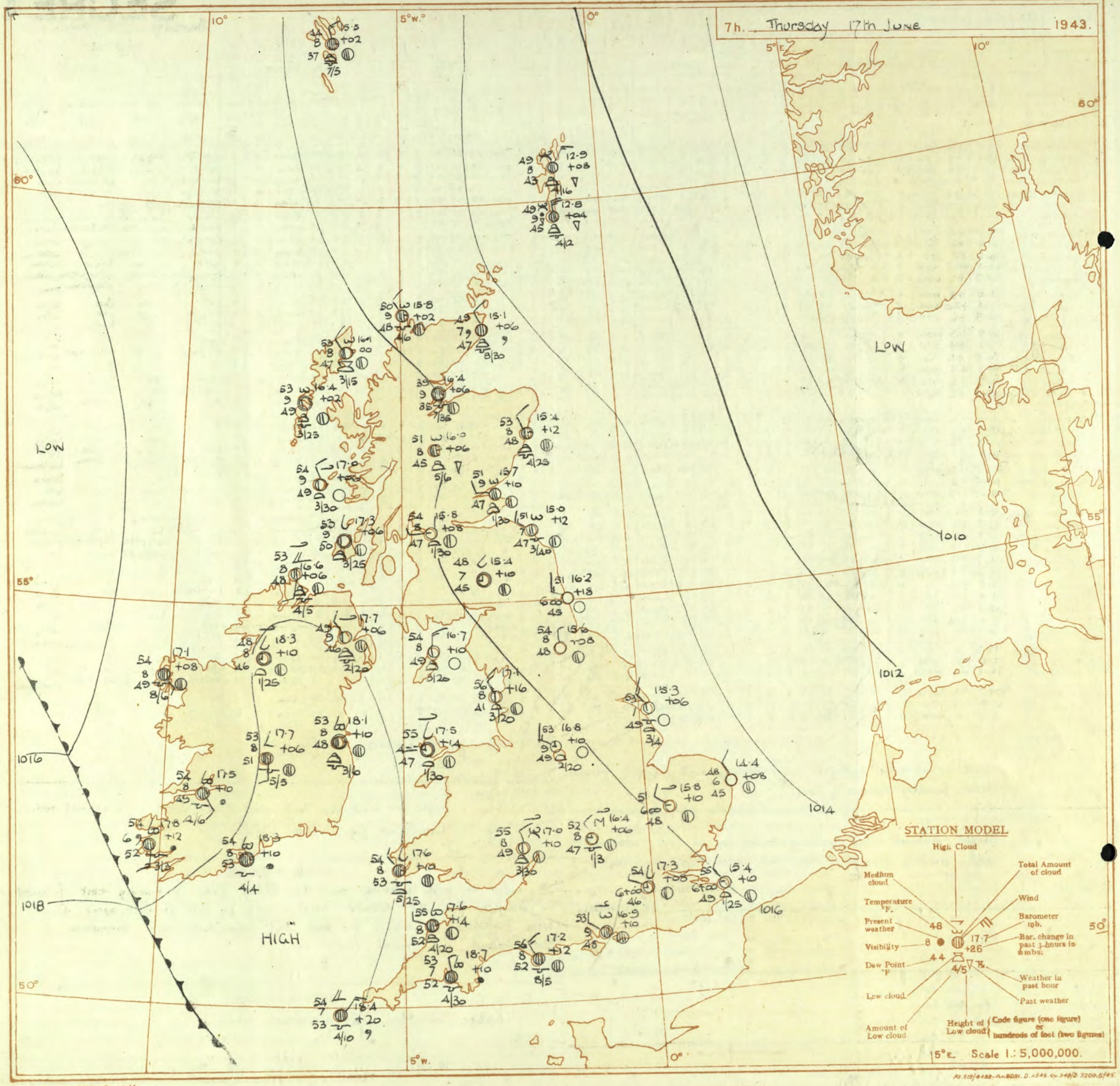
FURTHER OUTLOOK

Rather unsettled with occasional rain.

Forecasts issued at 10.30.

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

7h. Thursday 17th June 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

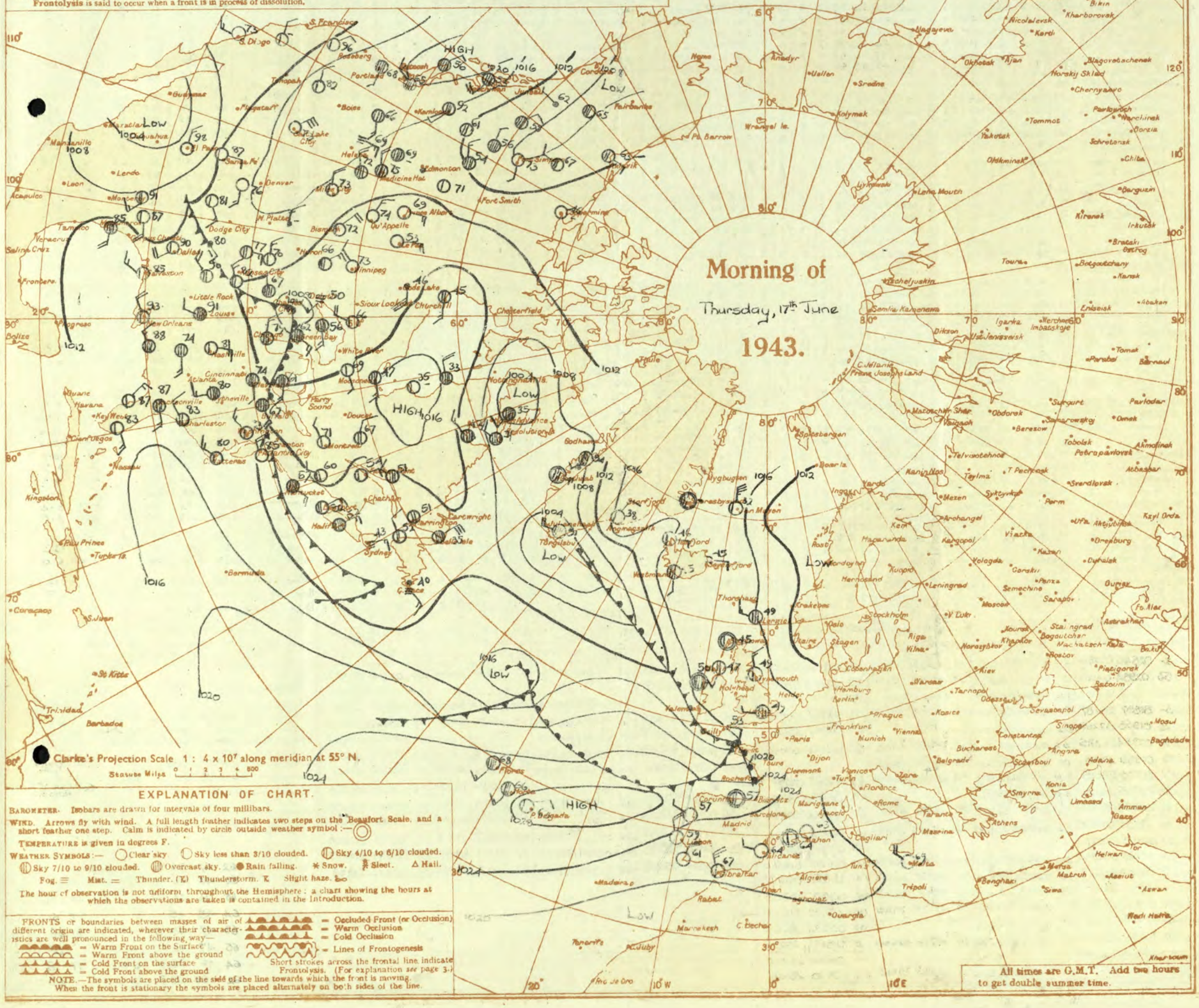
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 17th June 1943

No. 29792

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

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	16.3	+6	W	1	c-bc	49	92	48	7	5	7	1	Tr	7-8	6000
	S. Farnborough	226	15.8	+4	W'N	1	c	49	92	47	7	5	-	6	Tr	9+	3000
	Boscombe Down	417	16.5	+2	W'N	1	c	47	97	46	7	-	7	6	0	9+	-
	Thorney Island	10	16.0	0	WNW	2	c	50	92	48	7	-	-	7	0	10	-
	Lympne	283	15.1	+2	WNW	3	b	47	92	45	7	-	8	1	0	1	-
	Manston	154	14.2	-4	W	2	b	47	92	45	6	-	4	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14.0	+2	WNW	2	c	52	85	47	7	4	-	-	9	9	2500
	Gorleston	5	13.1	+4	W	2	b-bc	48	85	45	7	-	4	1	0	2-3	-
	Mildenhall	15	14.2	+2	W'S	2	z.	49	92	48	6	8	3	*	4-6	9+	2500
	Cranwell	203	14.2	+20	W'N	1	z.	47	92	45	6	-	6	-	0	1	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.4	+6	W'N	1	bc	47	85	43	8	5	-	-	1	4-6	5000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16.2	-2	W	2	c	54	85	51	8	1	7	-	2-3	9+	2500
	Bristol	209	16.5	+4	W	1	z.	50	97	49	6	5	7	-	4-6	10	4000
	Portland Bill	32	16.7	-6	W	3	c	55	85	51	8	5	-	-	10	10	4000
	Plymouth	86	17.4	0	-	0	c	52	97	51	7	5	7	7	4-6	10	3000
	The Lizard	240	16.9	-6	ENE	2	c	52	92	50	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	16.1	-2	SW'S	2	cjp	53	97	52	6	5	-	-	9	9+	600
	Guernsey	175															
6	Pembroke	142	16.6	0	WNW	3	c	54	92	52	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	32	15.7	+6	-	0	c-bc	45	92	43	8	-	7	6	0	7-8	-
	Chester (Sealand)	16	15.1	+6	-	0	b-bc	45	85	42	8	-	-	2	0	2-3	-
8	Manchester	230	15.6	+10	S'W	1	z.	46	92	44	6	-	3	-	0	2-3	-
10	Spurn Head	29	13.8	+4	NW	3	b	52	85	48	7	7	-	-	1	1	1500
	Catterick (Sc)	192	14.3	+8	W	1	b-bc	45	92	44	8	-	4	1	0	2-3	-
	Tynemouth	108	13.8	+2	NNW	3	b-bc	49	85	46	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	12.9	+6	WNW	1	bc	50	92	48	6	4	4	-	2-3	4-6	3500
	Leuchars	36	14.2	+10	-	0	bc	49	92	47	8	5	3	5	2-3	4-6	4000
12	Renfrew (Abbots I.)	19	14.1	+8	SW'W	1	bc	47	85	44	8	5	-	-	4-6	4-6	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15.0	+4	NNW	3	b	51	92	49	8	4	-	5	Tr	1	2000
13A	Tiree	44	15.8	+10	NW'W	2	b	46	92	44	9	4	-	-	Tr	Tr	2500
13B	Stornoway	12	15.4	+6	-	0	b	45	97	44	9	8	4	-	1	1	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13.6	+4	NNE	1	pr	50	92	48	7	4	7	-	7-8	9	3100
	Wick	114	14.2	+2	WNW	1	b-bc	44	92	42	8	5	3	-	2-3	2-3	2500
16	Sumburgh	19	12.3	+2	NW'W	3	c	49	85	45	8	5	-	-	9+	9+	1800
17	Blacksod Point	18	16.2	+2	-	0	c	50	92	48	8	5	-	-	10	10	4000
18	Malin Head	84	15.6	+8	S'W	1	bc	47	85	43	8	2	7	-	2-3	4-6	2500
	Aldergrove	268	16.4	+10	-	0	bc	46	92	44	8	5	-	6	2-3	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.4	+6	E'N	2	r.r.	52	92	50	6	5	2	-	2-3	10	1500
	Roches Point	22	16.7	+8	SW'W	1	r.r.	53	92	51	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 17th June — 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 16th Hrs. (38)
London (Kew)	16.5	+14	NNW	1	z.	54	75	46	6	5	-	-	2-3	2-3	4000	1	*	62	47	36	2	-	3.5
Croydon	17.3	+8	W'N	1	z.	54	75	46	6	-	4	-	0	1	-	1	*	62	46	40	2	Tr	6.3
S. Farnborough	16.0	+2	NW'N	2	c-bc	55	75	47	7	1	7	2	1	7-8	2000	1	*	63	47	41	1	1	7.5
Boscombe Down	17.6	+6	-	0	z.	51	92	49	6	-	7	-	0	9	-	0	*	61	46	45	2	Tr	5.8
Thorney Island	16.9	+10	WNW	1	c-bc	53	85	48	9	-	3	8	0	7-8	-	1	*	63	48	44	6	Tr	*
Lympne	16.1	+6	NW	2	z.	51	85	47	6	-	-	9	0	1	-	0	§3	62	41	36	2	-	7.0
Manston	15.4	+10	NW	2	z.	55	85	49	6	1	-	-	Tr	Tr	2500	1	*	64	46	43	1	8	6.7
Shoeburyness	16.5	+6	N'E	2	z.	52	85	47	6	-	-	-	0	0	-	1	*	64	44	41	2	2	7.7
Felixstowe	15.2	+6	NNW	2	z.	52	85	48	6	-	-	-	0	0	-	0	2	63	50	45	Tr	1	6.[illegible]
Gorleston	14.4	+8	NW'N	2	b	48	92	45	6	-	-	-	0	0	-	0	2	58	45	42	3	-	3.0
Mildenhall	15.8	+10	NW'W	2	z.	51	92	48	6	-	-	1	0	1	-	1	*	59	43	39	4	5	2.9
Cranwell	15.8	+10	NW	3	z.	51	85	47	6	-	-	-	0	0	-	1	*	62	45	42	8	2	3.2
Birmingham	16.7	+8	NNW	3	z.	52	85	47	5	-	-	-	0	0	-	1	*	60	45	32	0.5	-	7.5
Upper Heyford	16.4	+6	NW	2	b	52	85	47	8	5	8	1	Tr	1	800	0	*	59	43	33	1	-	*
Ross-on-Wye	17.0	+10	NNW	2	b-bc	55	75	49	8	2	6	1	2-3	2-3	3000	0	*	60	47	43	1	-	2.6
Hartland Point	17.6	+14	WNW	2	c	55	85	52	8	2	7	-	4-6	9+	2000	0	3	57	53	50	0.5	-	6.5
Bristol	17.7	+10	SW	1	z.	53	92	51	6	5	7	-	4-6	9+	4000	1	*	62	48	44	0.1	Tr	6.4
Portland Bill	17.2	+12	NW	3	o	56	85	52	8	5	-	-	10	10	2500	1	4	59	54	*	-	-	*
Plymouth	18.7	+10	N	1	c/r	53	92	52	7	5	7	-	4-6	10	3000	0	1	60	50	47	0.2	-	4.3
The Lizard	17.4	+8	NNE	2	c	53	92	51	8	5	-	-	10	10	1500	1	3	60	51	*	-	Tr	4.1
Scilly (St. Mary's)	18.4	+20	NE'N	2	c	54	97	53	7	5	2	-	4-6	10	1000	1	2	60	52	*	12	0.4	3.0
Guernsey																							
Pembroke	17.6	+10	NW	1	c	54	97	53	8	7	4	-	7-8	9	2500	0	3	56	52	*	-	Tr	5.6
Holyhead (Valley)	17.5	+14	-	0	fs	55	75	47	9	1	4	1	Tr	1	3000	1	1	60	52	35	-	-	*
Chester (Sealand)	16.9	+14	NW'N	3	b	56	75	48	8	2	-	-	1	1	3000	0	*	59	41	40	-	-	13.1
Manchester	16.9	+10	-	0	z.	51	85	48	5	2	-	-	Tr	Tr	2500	0	*	60	43	37	0.2	Tr	*
Spurn Head	15.3	+6	NW'W	3	b-bc	53	85	49	7	7	-	-	2-3	2-3	1500	0	2	62	49	46	0.4	-	9.8
Catterick (Sc)	15.6	+8	N	1	b	54	85	48	8	-	-	-	0	0	-	0	*	62	42	35	0.6	-	6.1
Tynemouth	16.2	+18	WNW	3	z.	51	75	45	6	-	-	-	0	0	-	0	2	58	47	44	-	-	*
St. Abbs Head	15.0	+12	WNW	3	bc	51	85	47	7	5	3	-	2-3	4-6	4000	0	2	57	48	*	-	-	*
Leuchars	15.7	+10	W	1	c-bc	51	85	47	9	2	3	-	Tr	7-8	3000	0	*	62	43	37	Tr	-	7.4
Renfrew (Abbots I.)	15.8	+8	W	1	b	54	75	47	8	1	-	-	Tr	Tr	3000	1	*	63	42	36	0.2	1	10.0
Eskdalemuir	15.4	+10	-	0	b	48	85	45	7	-	4	-	0	1	-	0	*	56	38	32	19	-	4.0
Point of Ayre	16.7	+10	N'W	3	b-bc	54	85	49	8	2	-	-	2-3	2-3	2000	0	2	62	50	*	-	-	10.5
Tiree	17.0	+6	NNW	2	b-bc	54	85	49	9	1	-	1	2-3	2-3	3000	0	1	57	46	41	-	-	10.1
Stornoway	16.1	0	NW	2	bc	53	75	47	8	3	3	-	2-3	4-6	1500	1	1	57	55	32	Tr	-	3.7
Dalwhinnie	16.0	+6	-	0	c	51	85	45	8	2	3	-	7-8	9	4000	1	*	57	42	37	1	0.6	4.2
Aberdeen †	15.4	+12	NW	2	c	53	85	48	8	8	-	-	4-6	9	2500	0	1	58	46	40	-	-	5.6
Wick	15.1	+6	NW	2	id.	49	92	47	7	8	-	-	10	10	3000	1	*	60	43	39	-	0.4	0.0
Sumburgh	12.8	+4	N'W	5	pr	49	85	45	9	8	6	-	4-6	7-8	1200	1	2	57	48	44	-	0.1	4.4
Blacksod Point	17.1	+8	SE	1	c	54	85	49	8	5	-	-	10	10	4000	1	2	56	54	*	1	-	*
Malin Head	16.6	+6	SSW	2	bc	53	85	48	8	8	2	1	4-6	4-6	2500	1	2	56	45		Tr	-	13.3
Aldergrove	17.7	+6	NW'W	1	b	49	85	46	9	8	-	1	1	1	2000	1	*	59	38	34	4	0.4	6.0
Birr Castle	17.7	+6	S	1	c	53	92	51	8	5	1	-	7-8	10	2500	1	*	60	49	47	1	-	0.6
Valentia Obsy.	17.8	+12	S'E	3	id.	54	92	52	6	5	7	-	2-3	10	800	1	2	60	51	50	Tr	1	0.7
Roches Point	18.3	+10	-	0	c	54	97	53	8	5	7	-	4-6	9+	1500	1	3	60	53		-	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th June ... 18h. G.M.T. — 01h. G.M.T. 17th June ... 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	2-	02845	02286	24	02843	32324	23	02854	24224	85	02854	28326
115	53	02954	04126	53	02954	04125	54	02964	28125	53	02964	28226
203				20	01932	04113						
206	3-	81857	28187	9-	25856	00086	46	25854	26187	5-	02967	00027
210	20	01963	32214	86	02965	01226				8-	02967	25127
219	8-	02954	26385	80	02853	26325	63	01961	02112	83	01953	00013
280	10	01963	22113	17	01962	25313	54	01973	00013			
245	8-	28755	23195	86	02974	12185	54	01963	00014	5-	02877	22217
260	30	02755	26225	86	02755	15216				00	05590	18200
278	26	02954	28324	36	01951	26412	10	01951	25311	20	01944	28314
279	86	81855	20295	96	10965	22297	50	01853	28283	10	01952	32102
285	27	02855	30517							13	01853	32414
288	36	11545	07296	56	25644	12186	00	05590	00020	00	15690	00000
575	37	02954	30227	35	02854	29327	94	02755	00026	14	01851	00012
301	26	01853	26414	26	01953	24414	14	01952	26303	10	01853	28313
321	86	02674	27485	87	81855	28287	00	05590	24110	00	05690	30200
296	84	01754	26214	54	01743	26214				00	05590	30300
292	3-	81856	22386	86	25754	28385	00	00790	00000	0	01861	29201
310	--	25634	26284							--	01644	26414
614				30	01864	26314	53	05663	27125	03	05690	28102
338	26	02943	29326	24	02963	21326	07	02990	00025	24	01961	00012
334	--	02646	26217							--	01662	04103
340				36	01954	30224	00	04790	24104	07	01790	28101
136	36	02755	24386	37	91[illegible]53	26296	03	05690	24113	50	05643	32313
386	57	02754	24428	13	02765	24417				23	01753	28314
350	76	02855	26485	96	28854	57396	00	01790	24103	04	05690	25202
368	86	02854	24416	80	25955	22488	5-	02854	00018	57	05663	02127
379							67	02890	24386	17	21861	16951
390	33	02765	22396	33	02753	24325	03	05690	24101	00	05690	28300
382	36	02854	26386				07	02890	00027	17	01862	30213
438	87	81755	24487	87	02745	23587	67	02763	26316	53	01764	04314
430	5-	81855	23385	92	01844	25258	57	02851	28127	07	02890	00025
409	81	02856	25428	57	02855	24428	57	02865	00028	57	22844	28168

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 17th June
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	qprtpro	tkqproc	cbczow
Croydon	ctlr	cprobc	cprobczo
Greenwich	ctlr	circtlrc	cbcb
Camden Square	ctlrc	c	*
Kensington	ctR	crcbc	*
Hampstead	bcortl	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h: Max. 0.1, Time 2/7h 17th; 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	62	47	36	2	-	3.5	*	*
Croydon	62	46	40	2	Tr	6.3	*	*
Greenwich	65	46	34	4	-	6.1	61	56
Westminster	64	48	45	7			87	61
Regents Park	63	47	43	3	-		81	66
Camden Square	65	47	42	7	-	*	*	57
Kensington	64	46	36	9	0.1		77	58
Hampstead	62	44	38	3	-		*	63

BRITISH SECTION

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

SECRET

Friday 18th June 1943

No. 29793

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·2	+8	NW	2	c-bc	65	45	44	8	8	-	-	7-8	7-8	2500
	Croydon ...	18·8	+6	WNW	3	c-bc	63	45	42	8	2	6	-	4-6	7-8	3500
	S. Farnborough	18·4	+10	NW	3	c-bc	66	45	42	9	1	6	-	7-8	7-8	3000
	Boscombe Down	18·9	+6	WNW	2	bc	65	45	45	8	2	-	1	4-6	4-6	2500
	Thorney Island	18·7	+10	W'S	2	c	66	55	48	9	2	-	1	7-8	9	4000
	Lympne ...	18·0	+10	NNW	3	bc	63	55	47	8	2	-	-	4-6	4-6	3000
	Manston ...	17·3	+8	NW	2	b	63	55	45	7	2	-	-	1	1	3500
2	Shoeburyness ...	17·7	+2	-	0	bc	66	55	47	8	2	-	-	4-6	4-6	2500
	Felixstowe ...	17·4	+10	ENE	3	c/pr	61	75	51	7	8	-	-	9+	9+	2500
	Gorleston ...	17·4	+8	NNE	4	b-bc	58	75	50	7	2	-	-	2-3	2-3	2500
	Mildenhall ...	17·6	+6	NNW	3	c-bc	64	65	51	8	2	-	-	7-8	7-8	2500
	Cranwell ...	17·5	+10	WNW	2	zo	66	45	46	6	2	-	-	7-8	7-8	2500
3	Birmingham ...	18·6	+8	WNW	3	bc	62	45	41	8	2	-	-	4-6	4-6	2500
	Upper Heyford	18·0	+6	NW'W	2	bc	61	55	47	8	1	-	-	4-6	4-6	3000
4	Ross-on-Wye	18·6	+8	SW	2	bc	65	55	49	9	2	6	-	4-6	4-6	3500
5	Hartland Point	20·6	+18	W	2	bc	60	85	53	8	1	4	7	4-6	4-6	2000
	Bristol ...	19·6	+14	WNW	3	bc	64	65	51	8	1	6	-	2-3	4-6	2500
	Portland Bill ...	20·0	+12	W	3	c-bc	59	85	55	8	2	-	-	7-8	7-8	4000
	Plymouth ...	21·5	+18	SSW	2	c	59	85	55	8	2	7	1	2-3	9+	2500
	The Lizard ...	21·3	+16	SW	3	c	58	85	52	8	8	6	-	7-8	9+	2000
	Scilly (St. Mary's)	21·7	+14	SW	3	c	61	65	51	8	5	2	-	7-8	10	1800
	Guernsey ...															
6	Pembroke ...	20·8	+10	WNW	1	bc	57	85	53	8	1	4	-	2-3	4-6	2800
7	Holyhead (Valley)	19·9	+10	W'N	2	bc	62	65	49	9	2	6	-	2-3	4-6	4000
	Chester (Sealand)	18·7	+10	N	3	b-bc	62	55	45	9	2	-	6	1	2-3	3500
8	Manchester ...	18·5	+10	NW'W	3	c-bc	61	55	45	9	2	-	3	4-6	7-8	3000
10	Spurn Head ...	17·7	+8	ENE	3	zo	58	75	49	6	7	3	-	2-3	4-6	2500
	Catterick (Sc) ...	16·9	+6	-	0	c-bc	63	65	50	8	8	3	-	4-6	7-8	3000
	Tynemouth ...	18·1	+8	E	3	bc	59	75	50	7	-	6	-	0	4-6	-
11	St. Abbs Head	16·3	+6	ESE	2	c-bc	58	75	48	8	1	4	-	4-6	7-8	4000
	Leuchars ...	16·1	0	SE	2	c-bc	63	60	49	8	8	-	-	7-8	7-8	3000
12	Renfrew (Abbots I.)	16·8	+8	WSW	3	c-bc	65	55	47	9	2	-	5	7-8	7-8	2500
	Eskdalemuir ...	16·4	+2	SW	2	c	59	55	41	8	8	-	-	9	9	2700
	Point of Ayre ...	18·9	+8	NW'W	3	b-bc	62	65	51	8	1	-	4	1	2-3	3500
13A	Tiree	18·5	+6	WSW	2	bc	58	75	49	9	4	-	1	4-6	4-6	3500
13B	Stornoway ...	17·1	+6	-	0	c	57	65	44	9	7	4	-	9	9+	3000
15	Dalwhinnie ...	15·5	+4	N'W	1	c-bc	57	45	38	8	7	-	-	7-8	7-8	4000
	Aberdeen ...	16·5	+6	NW	3	c	61	46	39	9	7	-	-	2-3	9	1500
	Wick ...	16·7	+8	NW	4	c-bc	57	65	43	9	8	4	-	4-6	7-8	2500
16	Sumburgh ...	14·8	+14	NNW	4	c/p	51	75	43	6	8	3	2	7-8	9+	2000
17	Blacksod Point	17·5	-4	S'W	2	c	60	65	48	8	8	-	-	9+	9+	4000
18	Malin Head ...	18·0	+2	NE	1	b-bc	55	85	51	8	2	-	-	2-3	2-3	2500
	Aldergrove ...	18·5	+2	W	1	b-bc	63	55	44	9	2	-	-	2-3	2-3	3000
19	Birr Castle ...	18·8	+6	SSW	2	c	61	65	50	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	19·9	+10	SW	3	ro	57	92	55	8	6	2	-	2-3	10	800
	Roches Point	20·3	+8	S	2	id	56	97	56	6	5	-	-	10	10	800

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19·3	+4	WNW	2	bc	68	45	45	8	8	3	1	4-6	4-6	4000	1	*
	Croydon ...	19·7	+4	W	2	bc	67	35	41	7	2	6	-	4-6	4-6	3000	0	*
	S. Farnborough	19·2	+2	NNW	2	b-bc	68	35	42	9	2	6	-	2-3	2-3	3500	0	*
	Boscombe Down	20·1	+6	W	3	bc	64	55	45	8	2	6	-	2-3	4-6	2500	0	*
	Thorney Island	20·1	+6	SWW	3	b-bc	62	65	51	8	2	6	-	2-3	2-3	4000	0	*
	Lympne ...	19·2	+4	NNW	2	b-bc	65	56	47	7	2	-	5	2-3	2-3	3000	0	*
	Manston ...	18·8	0	S'E	3	b-bc	61	65	50	7	4	-	-	2-3	2-3	4000	0	*
2	Shoeburyness ...	18·9	+2	WNW	1	bc	66	55	47	7	2	-	8	2-3	4-6	2500	0	*
	Felixstowe ...	19·4	+8	E	3	b	62	75	55	7	2	-	-	Tr	Tr	4000	0	1
	Gorleston ...	18·9	+6	E'S	1	b-bc	59	85	53	7	2	-	-	2-3	2-3	2500	0	3
	Mildenhall ...	19·0	+6	—	0	c	64	65	54	8	2	-	-	9+	9+	2500	0	*
	Cranwell ...	18·5	+2	S'E	1	c-bc	60	75	49	7	8	-	-	7-8	7-8	3000	1	*
3	Birmingham ...	18·7	0	W	2	c-bc	64	45	42	8	8	-	-	7-8	7-8	2500	1	*
	Upper Heyford	18·6	0	WNW	2	b-bc	67	45	46	9	7	-	4	2-3	2-3	4000	0	*
4	Ross-on-Wye	19·3	+6	WSW	3	bc	64	65	51	8	2	6	-	2-3	4-6	3500	0	*
5	Hartland Point	21·2	0	W	3	bc	58	75	51	8	1	4	-	1	4-6	2000	0	3
	Bristol ...	20·9	+4	WNW	4	bc	62	65	52	8	2	6	-	1	4-6	2500	0	*
	Portland Bill ...	22·1	+4	SW	4	bc	58	85	54	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	22·5	+4	SW	3	c	57	75	49	8	8	7	-	7-8	9+	2000	0	2
	The Lizard ...	23·0	+4	W	3	pr	57	92	54	8	5	1	-	10	10	1500	1	3
	Scilly (St. Mary's)	22·8	+6	W	2	ro	56	97	56	8	8	7	-	7-8	10	1200	1	3
	Guernsey ...																	
6	Pembroke ...	21·4	+4	WSW	3	c-bc	57	85	54	8	8	4	-	4-6	7-8	2800	0	1
7	Holyhead (Valley)	20·2	0	WSW	3	bc	57	75	49	9	2	4	2	Tr	4-6	4000	0	1
	Chester (Sealand)	19·5	+2	NW	3	bc	61	55	44	9	2	-	-	4-6	4-6	3500	0	*
8	Manchester ...	19·1	0	WNW	3	b-bc	62	55	44	9	4	6	1	1	2-3	4000	0	*
10	Spurn Head ...	18·6	0	SE'S	3	b-bc	57	85	53	7	-	3	-	0	2-3	-	0	3
	Catterick (Sc) ...	17·5	-8	SSW	2	bc	63	55	48	8	8	-	5	2-3	4-6	3000	1	*
	Tynemouth ...	18·2	0	SSE	3	bc	55	85	51	7	8	3	-	4-6	4-6	2800	0	2
11	St. Abbs Head	15·6	-6	SE	3	bc	57	85	51	8	1	-	-	4-6	4-6	3500	0	3
	Leuchars ...	15·8	-2	NE	2	c-bc/pr	63	65	52	8	4	3	2	4-6	7-8	3000	0	*
12	Renfrew (Abbots I.)	17·0	0	W	3	b-bc	63	55	46	9	1	-	5	1	2-3	2500	0	*
	Eskdalemuir ...	16·3	0	W'S	3	bc	62	55	45	8	8	4	-	4-6	4-6	2800	0	*
	Point of Ayre ...	19·3	0	S	2	b	61	65	49	8	1	4	8	Tr	1	3000	0	2
13A	Tiree	17·9	-6	WSW	1	b-bc	56	65	43	9	1	4	5	Tr	2-3	3000	0	1
13B	Stornoway ...	17·0	-2	WNW	2	c-bc	59	55	45	9	7	3	5	4-6	7-8	2800	0	1
15	Dalwhinnie ...		0	WSW	1	b-bc	62	45	40	8	1	-	-	2-3	2-3	4000	0	*
	Aberdeen ...	16·9	+2	SSE	2	c	55	75	46	8	7	-	-	7-8	9	4000	0	1
	Wick ...	16·8	+2	NW	3	c-bc	55	65	44	9	5	7	-	4-6	7-8	3000	0	*
16	Sumburgh ...	15·5	+2	NW	3	c	50	75	43	9	8	-	-	9+	9+	2000	0	2
17	Blacksod Point	16·4	-12	S'W	3	c/r	56	85	52	8	5	-	-	10	10	2500	1	3
18	Malin Head ...	16·4	-10	E'N	3	c	53	75	45	8	8	-	-	9	9	2500		2
	Aldergrove ...	17·5	-10	W	2	c	60	75	50	9	8	-	-	7-8	9+	2500	0	*
19	Birr Castle ...	18·2	-6	WSW	1	ir	57	92	55	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	17·0	-8	NE	3	bc	54	75	46	8	2	-	3	2-3	4-6	2500	1	2
	Roches Point	19·5	-8	SSW	3	c	57	92	55	8	5	7	-	4-6	9+	1500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 17th (39)	Weather. 13h.—18h. 17th (40)	Weather. 18h. 17th to 1h. 18th (41)	Weather. 1h.—7h. 18th (42)
1	London (Kew)	bczowcy	cbcy	bcybc	bccir
	Croydon ...	bzobcy	cybcy	bccbc	bcc
	S. Farnborough	bcyv	bcyv	bcyvbcc	cr o ir
	Boscombe Down	cmobcy	bcycy	bcyc	cr o cd o d
	Thorney Island	cwcbccy	cbcy by	bcw	cwcir cirir
	Lympne ...	bmobcc	bcbcy	bzycbcm	bcfcmoc
	Manston ...	bbcbmbzy	bcbybc	bccprbcm	bcmobc
2	Shoeburyness ...	bcbcy	bcy	bc	bcmo
	Felixstowe ...	bccpro	c PRb	bbcbcm	bmobcmoC
	Gorleston ...	bc	bc	bcb	bccbz
	Mildenhall ...	bmoC	cprobcc	bmo	bmocmow
	Cranwell ...	bbc	bcyzoC	bcmozo	bczocmo
3	Birmingham ...	bbc	bc	bcproc	co
	Upper Heyford	bcbczoy	bczo	bczbeprobc	bccifo
4	Ross-on-Wye	bcv	bc	bcc	cr o r o
5	Hartland Point	cbc	bc	bcrrc	crrdf rf
	Bristol ...	cmobc	bccprobc	ccir	ir o r o
	Portland Bill ...	c	bcbc	c	orr
	Plymouth ...	bcc	c	cr o r o	cd o d o of
	The Lizard ...	c	cpro	orrdf	dffo
	Scilly (St. Mary's)	c	cr o r o	cir o off	offifcc
	Guernsey ...				
6	Pembroke ...	bc	bcc	pr o ir	cifrrf
7	Holyhead (Valley)	bc	bcb	cid o d o rm	cid o rrmo
	Chester (Sealand)	bbcy	bcy	bccmo	cr o ddmo
8	Manchester ...	bcmbcy	bcy	bcybc	cido
10	Spurn Head ...	bczom	bc	bc	c
	Catterick (Sc) ...	bc	cpropr	b	bccid o
	Tynemouth ...	bbcmobc	bccbc	bcmo	bccmo
11	St. Abbs Head	bcmoc	czobc	bcb	bcc
	Leuchars ...	cwbccy	bcybcprocc	bcbb	bubbw
12	Renfrew (Abbots I.)	bwbcbcy	bcy	bybbwbcw	bcwccmoir
	Eskdalemuir ...	bcc	cbcy	bcyb,c	orrmo
	Point of Ayre ...	b	b	bbcc	cr o r r
13A	Tiree	bc	bc	bcc	ccr o rmo
13B	Stornoway ...	bcwbcc	cy	cybcbw	bcujfcrr
15	Dalwhinnie ...	bcc	cbc	*	bcco
	Aberdeen ...	c	cyc	c	c
	Wick ...	cbcvcy	bc	bc	bcc
16	Sumburgh ...	cjpcpro c	c	cd o d o mo	c
17	Blacksod Point	c	r	d	d
18	Malin Head ...	bc	c	d	r
	Aldergrove ...	bwbccbcr	bcyrcv	ccidomo	cr o r o rrmo
19	Birr Castle ...	c	r	*	r
20	Valentia Obsy.	pr	bc	r	r
	Roches Point	d	r	r	d

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

Districts.	Forecasts
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Moderate or fresh southwest wind strong locally on coast; rain at first; cloudy later with local drizzle; local fog near South Coast; rather warm and close
5 S.W. England 6 South Wales 7 North Wales	Moderate or fresh southwest wind strong locally on coasts; cloudy occasional slight rain or drizzle; coast and hill fog; rather warm and close.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh South wind strong locally veering west to northwest temporarily; rain at first followed by temporary improvement; further rain later; hill fog locally; cool.
16 Orkneys and Shetlands	As 8-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southwest wind strong locally; occasional rain; rather warm and close.

GENERAL INFERENCE

A deepening depression centred to northwest of Ireland is moving east-northeast but may later turn east.
There will be some rain in all districts.

FURTHER OUTLOOK

Further rain in most districts.

Forecasts issued at 10·30

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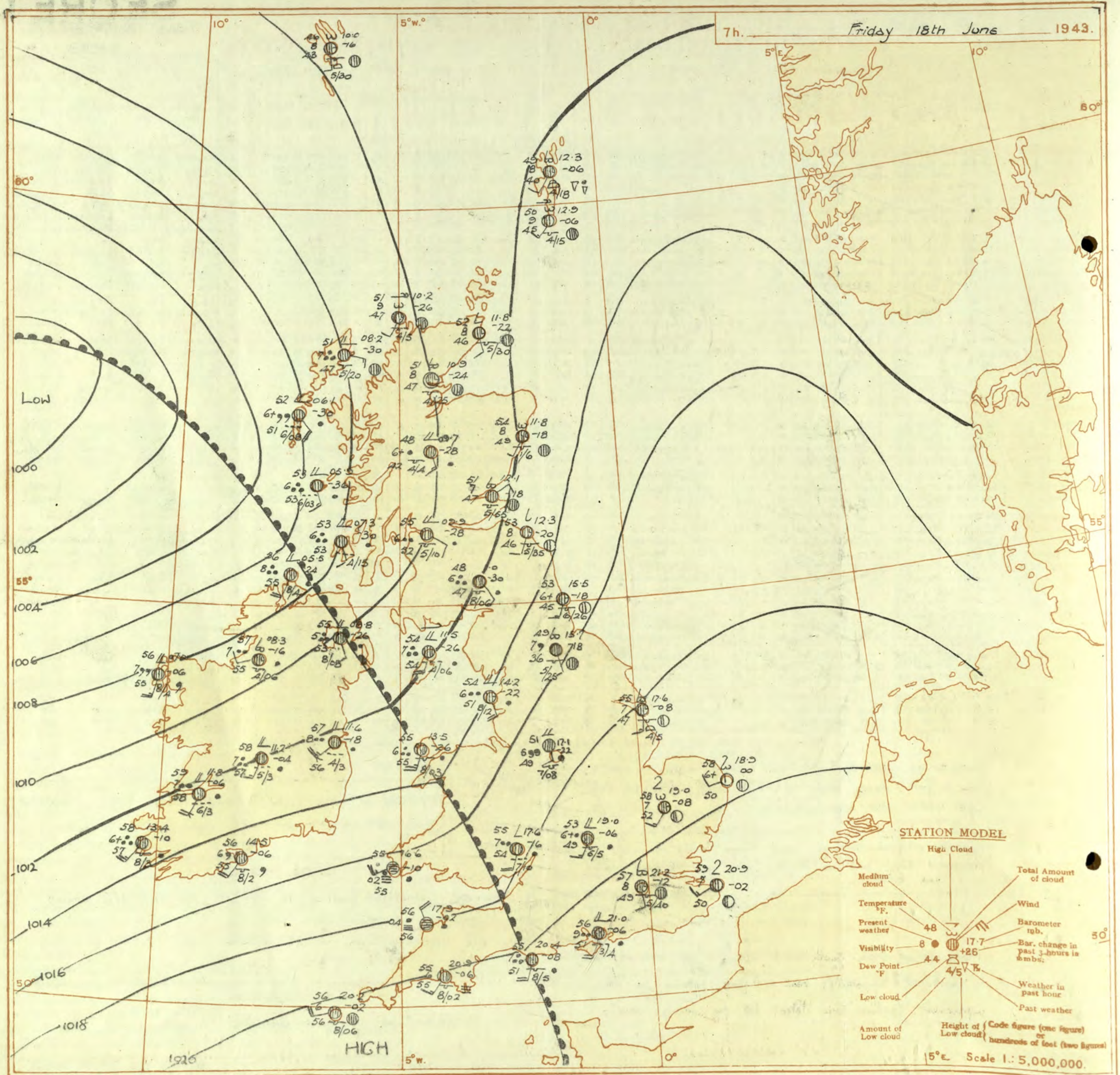

H.M.S.O. Press, M.O., Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 18th June 1943

No. 29793

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

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	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·1	+4	-	0	c	55	75	47	7	-	3	2	0	9+	-
	S. Farnborough	226	21·8	+2	W'N	2	c	53	75	45	8	-	7	6	0	9+	-
	Boscombe Down	417	22·0	0	-	0	c	49	85	45	7	-	5	6	0	9+	-
	Thorney Island	10	22·1	+2	-	0	c	53	85	49	7	-	3	6	0	9	-
	Lympne ..	283	20·6	-8	NW	2	b-bc f+	48	97	47	3	-	-	5	0	2-3	-
	Manston ...	154	21·3	+2	W'S	2	bc	54	85	50	6	-	3	8	0	4-6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·7	-2	SW'S	2	z₀	59	92	56	6	5	3	-	4-6	4-6	4000
	Gorleston ...	5	19·6	-2	S	3	b-bc	44	92	43	7	2	-	-	2-3	2-3	1500
	Mildenhall ...	15	20·4	+2	SW'S	2	z₀	53	92	51	6	-	3	-	0	2-3	-
	Cranwell ...	203	20·1	-2	W	2	z₀	54	75	46	6	-	6	-	0	2-3	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·9	+2	WSW	2	c	49	97	48	7	-	7	6	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·4	-8	WSW	4	rr	54	97	54	6	5	2	-	7-8	10	1500
	Bristol ...	209	21·8	-4	SW	1	ir₀	54	85	51	7	5	7	-	9	10	5700
	Portland Bill ...	32	22·4	-2	SW	4	c	56	92	52	8	5	-	-	10	10	4000
	Plymouth ...	86	22·7	-8	SW	2	r₀r₀	55	97	55	6	5	-	-	10	10	1000
	The Lizard ...	240	22·4	-4	WSW	2	df	54	97	54	3	5	-	-	10	10	400
	Scilly (St. Mary's)	163	21·6	-10	W'S	4	f	56	97	56	2	-	-	-	10	10	4150
	Guernsey ...	175															
6	Pembroke ...	142	20·0	-2	SW	3	id₀	54	97	54	7	5	-	-	10	10	2500
7	Holyhead (Valley)	32	18·4	-14	S	4	r₀r₀	55	97	54	6	5	-	-	7-8	10	400
	Chester (Sealand)	16	19·2	-6	SSW	1	c	50	85	46	6	5	7	7	7-8	10	3000
8	Manchester ...	230	19·4	-6	SE	2	c	50	85	44	7	-	7	-	0	9	-
10	Spurn Head ...	29	19·6	0	WSW	3	b-bc	54	75	48	7	-	-	-	2-3	2-3	4000
	Catterick (Sc) ...	192	19·0	+4	-	0	b	47	92	44	8	-	3	1	0	1	-
	Tynemouth ...	108	18·5	-2	W	3	b-bc	51	75	43	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	16·0	+2	SW	3	b-bc	50	75	41	8	5	-	-	2-3	2-3	4000
	Leuchars ...	36	16·1	-2	-	0	b-bc	47	85	43	8	4	-	1	1	2-3	4000
12	Renfrew (Abbots I.)	19	15·8	-14	ENE	1	c-bc	49	92	46	8	5	3	2	2-3	7-8	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17·3	-8	SW	3	c	55	85	51	8	8	7	-	9	10	3000
13A	Tiree	44	13·4	-28	SE	3	c	54	85	48	9	5	-	-	9+	9+	4500
13B	Stornoway ...	12	14·3	-16	-	0	bc	44	97	43	9	5	-	6	Tr	4-6	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·2	-8	-	0	c-bc	45	92	45	8	4	4	-	7-8	7-8	3100
	Wick ...	114	16·3	-8	SSE	1	c	49	92	46	8	5	3	-	2-3	9	2500
16	Sumburgh ..	19	14·8	-2	WSW	2	d₀d₀	46	97	46	5	5	-	-	10	10	1000
17	Blacksod Point	18	10·9	-30	S'E	4	dd	56	97	55	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	12·5	-22	S	2	ir₀	55	97	54	8	8	2	-	4-6	10	1500
	Aldergrove ...	268	14·9	-20	S	3	ir₀	55	97	53	6	5	-	-	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·8	-20	SSW	4	iR	57	97	56	6	5	-	-	10	10	450
	Roches Point	22	17·1	-18	SW	3	o	54	97	53	8	5	-	-	10	10	800

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

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)	20·2	-8	SW'S	3	ir₀	58	75	50	8	5	1	-	7-8	10	4000	1	*
	Croydon ...	21·2	-12	S	2	c	57	95	49	8	5	7	-	7-8	9+	4000	0	*
	S. Farnborough	20·4	-6	SSW	2	ir₀	55	85	51	8	5	7	6	2-3	10	1500	1	*
	Boscombe Down	20·1	-12	S	4	d₀d₀	54	97	54	6	5	-	-	10	10	800	1	*
	Thorney Island	21·0	-6	S'W	4	r₀r₀	56	85	51	9	6	2	-	2-3	10	1500	1	*
	Lympne ..	21·5	-2	SW	2	c	58	85	55	6	-	3	6	0	9	-	0	§3
	Manston ...	20·9	-2	WSW	3	c-bc	59	75	50	7	-	-	6	0	7-8	-	0	*
2	Shoeburyness ...	20·8	-4	SW	4	c	60	65	49	7	-	7	-	0	9+	-	0	*
	Felixstowe ...	20·1	-4	SW	2	c-bc	58	85	52	7	-	-	8	0	7-8	-	0	1
	Gorleston ...	18·9	0	SW'W	2	z₀	58	75	50	6	-	-	9	0	2-3	-	0	2
	Mildenhall ...	19·0	-8	SW'S	3	c	58	85	52	7	-	3	6	0	9	-	1	*
	Cranwell ...	17·6	-10	SW	3	c	55	75	48	7	5	7	-	4-6	10	4000	1	*
3	Birmingham ...	17·7	-12	SSW	3	ir₀	53	92	51	6	6	-	-	10	10	800	1	*
	Upper Heyford	19·6	-6	SSW	3	ir₀	53	85	49	6	5	2	-	10	10	2500	1	*
4	Ross-on-Wye	17·6	-16	SSW	4	r₀r₀	55	97	54	7	6	1	-	9+	10	1000	1	*
5	Hartland Point	17·9	-2	NNW	4	rF	56	97	56	1	-	-	-	10	10	4150	1	4
	Bristol ...	19·3	-18	SSW	3	d₀d₀	55	97	55	6	5	-	-	10	10	800	1	*
	Portland Bill ...	20·4	-8	SSW	4	rr	55	92	53	7	5	-	-	10	10	2500	1	4
	Plymouth ...	20·9	-6	SW	3	z₀	55	97	55	6	5	-	-	10	10	200	1	2
	The Lizard ...	20·5	-4	W	3	cm₀	56	97	56	5	5	-	-	10	10	500	1	4
	Scilly (St. Mary's)	20·2	-2	WSW	4	c	56	97	56	6	5	-	-	10	10	600	1	4
	Guernsey ...																	
6	Pembroke ...	16·6	-10	W'S	5	rF	55	97	55	1	-	-	-	10	10	4150	1	3
7	Holyhead (Valley)	13·5	-26	S'W	5	rr	55	97	55	6	5	-	1	10	10	300	1	
	Chester (Sealand)	14·8	-22	S	3	r₀r₀	54	75	42	5	5	2	-	2-3	10	1500	1	*
8	Manchester ...	15·6	-22	SE'E	4	id₀	54	85	48	4	5	2	1	9	10	2000	0	*
10	Spurn Head ...	17·6	-8	S	3	c	55	75	47	7	7	7	-	4-6	9+	2500	0	3
	Catterick (Sc) ...	15·7	-18	SSE	1	id₀	49	65	36	7	5	7	-	7-8	10	2500	0	*
	Tynemouth ...	15·5	-18	SSW	3	z₀	53	75	45	6	5	-	-	9	9	2600	0	2
11	St. Abbs Head	12·3	-20	SSW	3	c	53	85	49	8	5	4	-	7-8	9+	3500	0	3
	Leuchars ...	12·1	-18	NE	2	c	51	85	47	7	5	7	-	7-8	10	5500	0	*
12	Renfrew (Abbots I.)	09·9	-28	SE'E	2	r₀r₀	55	97	55	6	5	2	-	7-8	10	1000	1	*
	Eskdalemuir ...	11·0	-30	SE'S	1	rr	48	97	47	6	5	-	-	10	10	300	1	*
	Point of Ayre ...	11·5	-26	SSW	4	rr	54	97	54	7	6	2	1	9-6	10	600	1	3
13A	Tiree	05·9	-36	SSE	3	rr	53	97	53	6	6	2	-	9	10	800	1	3
13B	Stornoway ...	08·2	-30	ESE	3	rr	51	85	47	7	5	2	-	7-8	10	2000	1	2
15	Dalwhinnie ...	03·7	-28	SSE	3	ir₀	48	85	52	6	5	2	-	4-6	10	1500	1	*
	Aberdeen † ...	11·8	-18	SW	1	c	54	85	49	8	5	3	-	Tr	9+	4000	0	1
	Wick ...	11·8	-22	SSE	2	c	52	85	46	8	5	1	-	7-8	9+	3000	0	*
16	Sumburgh ..	12·9	-6	SW'S	3	c-bc	50	85	45	9	5	3	2	4-6	7-8	1500	0	1
17	Blacksod Point	07·6	-6	SSW	5	d₀d₀	56	97	56	7	-	2	-	10	10	1500	2	4
18	Malin Head ...	05·5	-24	SSW	4	rr	56	97	56	8	-	2	-	10	10	1500	2	3
	Aldergrove ...	08·8	-26	SSE	2	rr	55	97	53	5	-	2	-	10	10	800	1	*
19	Birr Castle ...	11·2	-4	SSW	3	rr	58	97	58	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	13·4	-10	SW	5	rr	58	97	58	6	5	-	-	10	10	800	x	4
	Roches Point	14·5	-6	SW	4	id₀	56	97	56	6	5	-	-	10	10	450	1	4*

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
1	London (Kew)	68	53	44	-	Tr	13·0
	Croydon ...	68	51	47	-	-	13·0
	S. Farnborough	69	52	41	-	0·1	14·0
	Boscombe Down	67	48	42	-	1	7·1
	Thorney Island	63	51	50	-	0·2	*
	Lympne ..	65	46	39	-	-	13·0
	Manston ...	67	51	48	-	-	12·8
2	Shoeburyness ...	67	53	46	-	-	11·7
	Felixstowe ...	66	53	45	-	-	11·3
	Gorleston ...	61	52	48	-	-	14·1
	Mildenhall ...	66	49	47	Tr	Tr	11·0
	Cranwell ...	65	47	41	Tr	-	8·5
3	Birmingham ...	67	51	40	-	Tr	11·3
	Upper Heyford	67	48	39	-	0·2	*
4	Ross-on-Wye	69	53	50	-	3	13·8
5	Hartland Point	62	54	53	-	7	8·3
	Bristol ...	65	52	47	Tr	1	8·5
	Portland Bill ...	59	52	*	-	3	*
	Plymouth ...	60	52	51	-	4	3·6
	The Lizard ...	61	53	*	Tr	3	1·7
	Scilly (St. Mary's)	63	55	*	-	0·5	0·2
	Guernsey ...						
6	Pembroke ...	61	53	*	-	9	7·6
7	Holyhead (Valley)	63	53	52	-	3	*
	Chester (Sealand)	64	49	39	-	0·5	14·8
8	Manchester ...	56	49	39	-	0·1	*
10	Spurn Head ...	60	47	*	-	-	13·6
	Catterick (Sc) ...	66	41	36	2	Tr	9·4
	Tynemouth ...	59	45	44	-	-	*
11	St. Abbs Head	61	47	*	-	-	*
	Leuchars ...	67	44	34	Tr	-	9·4
12	Renfrew (Abbots I.)	67	47	39	-	0·1	14·8
	Eskdalemuir ...	64	38	29	-	1	8·0
	Point of Ayre ...	62	50	*	-	3	15·2
13A	Tiree	59	51	47	-	4	15·3
13B	Stornoway ...	60	43	34	-	Tr	9·1
15	Dalwhinnie ...	63	35	22	Tr	-	10·1
	Aberdeen † ...	62	50	42	-	-	3·8
	Wick ...	57	46	38	Tr	Tr	0·0
16	Sumburgh ..	53	46	44	Tr	0·1	1·9
17	Blacksod Point	60	54	*	Tr	12	*
18	Malin Head ...	56	53		-	10	10·0
	Aldergrove ...	63	53	53	-	10	12·4
19	Birr Castle ...	63	54	53	0·2	13	2·5
20	Valentia Obsy.	58	55	55	1	8	0·0
	Roches Point	59	54		0·2	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 17th June IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th June C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
109	87	02845	26427	8-	02845	25425	57	02856	00027	73	02854	13315
115				53	02964	24225	54	02964	22127	53	02954	12227
203	30	02955	12315				06	00990	24212			
206	7-	02967	28227	7-	02965	14325	40	01862	25213	57	02854	00027
210	7-	02953	26227	73	01973	01113	50	01971	12101	07	02990	11127
219	20	01953	24313	14	01963	21203	51	02964	10225	62	52638	12468
239	26	01964	21214	40	01962	19312	4-	02861	00026	52	64695	101·8
245	8-	02854	14316	83	01774	14384	5-	02743	24217	05	02790	15217
260	26	01763	24123	10	01861	20411	00	00890	22100	52	61764	16268
278	16	01952	28324	10	01951	22202				62	64733	14368
279	84	01953	20313	24	01953	20414	57	02853	17215	5-	51748	14358
285	23	02855	22227							52	61746	12368
288	86	05654	02213	2-	81955	17061	04	01890	20212	07	02790	18327
575	20	01964	00014	7-	02865	18328	62	22746	18168	57	62734	22267
301	10	01953	24314	14	01951	28313	03	02890	12126	02	62648	14466
321	86	02764	32315	86	01763	28124	04	23112	19847	51	05565	16328
298	84	05653	04214	50	01753	04203	50	05653	22313	5-	05665	20215
292	26	02854	23216	46	01964	23214	04	01990	20112	57	25554	14288
310	--	01644	24414							--	48209	29469
614	8-	05667	32117	10	02761	24114	40	05663	00014	57	61658	18228

Station	13h. G.M.T. 17th June IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 18th June C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
388	20	01964	26214	26	01863	19314	02	62647	18368	02	62528	52468
334	--	02664	30117							--	64637	26268
340	20	02961	26125	76	25854	30284	06	02790	16228	52	62545	14368
136	23	01761	02314	03	02790	02216	03	05690	16112	03	05690	20317
336	10	01757	32315	40	01752	24412						
850	2-	02853	26125	20	01754	22214	50	01762	20124	57	62774	20368
368	23	01863	20314	24	01863	22413	5-	62648	22268	5-	64428	20156
379				47	02845	22315	07	02890	22225			
390	80	02756	32226	43	05672	28326	05	05690	00016	07	08490	18218
382	1-	02855	26315	26	01963	25214	03	05690	21115	57	61744	18368
438	80	01754	23414	16	01753	24414	53	02754	24317	87	04743	22427
430	20	02953	22225	14	01853	22313	50	02871	26215	57	62744	18268
409	29	01852	26215	29	02851	22327	58	52628	19268	--	57109	21359

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 Friday 18th June
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 ...	bezowcy	cbcy	bcykir₀	
Croydon ...	bzobcy	cybcy	bcc	
Greenwich ...	bcy	crocy	cbcir₀	
Camden Square	b	bc	*	Kew 24 hours ended 7h. Max Time 0·1 22h 17th
Kensington ...	bc	bc	*	
Hampstead ...	bc	bcp	bcp	Min. Time 0·1 rest of period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	68	53	44	-	Tr	13·0	*	*
Croydon ...	68	46	47	-	-	13·0	*	*
Greenwich ...	69	51	40	Tr	Tr	8·7	46	77
Westminster	69	52	48	Tr			56	83
Regents Park ..	68	52	48	-	Tr		54	82
Camden Square	69	52	47	-	Tr	*	*	80
Kensington ...	68	51	42	-	0·1		53	83
Hampstead ...	67	54	49	-	0·1		*	89

Page 1 **BRITISH SECTION**

Saturday 19th June

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

SECRET

Saturday 19 June 1943

No. 29794

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·1	-16	SW'S	4	c/r	60	92	57	8	5	2	-	9+	10	1500
	Croydon	19·5	-18	S	3	c/r	60	92	57	7	5	2	-	7-8	10	1500
	S. Farnborough	18·2	-18	SW	3	c/r	60	92	58	7	6	2	-	9	10	600
	Boscombe Down	18·3	-14	SSW	4	r₀r₀	60	92	59	7	6	2	-	7·8	10	800
	Thorney Island	19·7	-10	SW	4	ir₀	59	92	57	8	6	2	-	9	10	800
	Lympne	21·3	-4	S	4	rr	43	97	42	6	6	-	-	9	10	300
	Manston	20·4	-2	SSW	4	r₀r₀	56	92	54	5	5	2	-	9+	10	500
2	Shoeburyness	19·7	-2	SSW	4	d₀d₀	58	92	56	7	5	2	-	9	10	1500
	Felixstowe	18·9	-6	S'W	6	rr	57	97	56	6	6	2	-	7-8	10	1500
	Gorleston	18·4	-2	SW'S	5	r₀r₀	60	85	54	6	6	-	-	10	10	1500
	Mildenhall	16·4	-20	SSW	4	r₀r₀	58	97	57	6	6	2	-	9	10	800
	Cranwell	13·8	-20	SSW	4	r₀r₀	59	92	57	7	6	2	-	7-8	10	1000
3	Birmingham	14·9	-10	SSW	4	c/r	58	97	57	7	6	-	-	10	10	800
	Upper Heyford	16·4	-14	W'S	6	r₀r₀	59	97	59	7	6	2	-	7-8	7-8	500
4	Ross-on-Wye	16·0	-8	SW	4	id₀	60	92	57	7	6	1	-	9+	10	1500
5	Hartland Point	16·5	-10	SW	4	o/d	57	97	57	6	5	-	-	10	10	800
	Bristol	17·6	-10	SW	4	id₀	61	97	59	7	5	-	-	10	10	800
	Portland Bill	20·1	-2	SW	4	if	57	55	42	3	5	-	-	10	10	800
	Plymouth	20·4	-4	W'S	4	d₀d₀	57	97	57	5	5	-	-	10	10	200
	The Lizard	20·6	+2	W	5	o/f	57	97	57	5	5	-	-	10	10	800
	Scilly (St. Mary's)	20·0	-2	SW'W	5	c	57	97	57	6	5	-	-	10	10	800
	Guernsey															
6	Pembroke	15·3	-6	W'S	6	c	57	97	56	6	5	-	-	10	10	1000
7	Holyhead (Valley)	11·5	-14	SW'S	6	rr	56	97	56	5	5	-	-	10	10	200
	Chester (Sealand)	12·2	-10	WSW	2	rr	61	85	57	7	5	2	-	4-6	10	1500
8	Manchester	12·3	-12	S'W	4	r₀r₀	60	97	59	6	6	2	-	7·8	10	600
10	Spurn Head	13·1	-28	SSW	6	r₀r₀	58	92	55	7	5	-	-	10	10	1500
	Catterick (Sc)	11·0	-28	S	2	c/r	62	65	47	6	5	7	-	7-8	10	800
	Tynemouth	09·5	-32	SW	4	r₀r₀	57	92	53	6	-	2	-	10	10	1800
11	St. Abbs Head	05·5	-36	SSE	4	r₀r₀	56	92	54	6	5	2	-	7-8	10	3000
	Leuchars	05·7	-26	E	2	rr	56	55	44	6	5	2	-	4-6	10	900
12	Renfrew (Abbots I.)	05·5	-12	SW	4	r₀r₀	58	92	57	6	6	2	-	7-8	10	600
	Eskdalemuir	07·0	-40	SW'S	5	rr	56	92	54	6	-	2	-	10	10	400
	Point of Ayre	08·1	-6	W	6	rr	61	92	59	7	6	2	-	7·8	10	1000
13A	Tiree	03·2	-6	SW'W	4	dr	56	97	56	5	6	-	-	10	10	800
13B	Stornoway	01·0	-38	ESE	4	d₀d₀	53	97	52	5	6	2	-	9+	10	1100
15	Dalwhinnie	03·5	-20	SE	5	ir₀	53	85	50	7	5	-	-	10	10	1500
	Aberdeen	07·7	-30	SSE	3	rr	52	92	51	5	-	2	-	10	10	800
	Wick	05·8	-32	SSE	3	r₀r₀	53	85	50	6	5	7	-	4-6	9	800
16	Sumburgh	08·4	-30	SE'E	5	c	53	85	47	9	5	7	-	9	10	2500
17	Blacksod Point	06·0	-10	SW	5	c/r	57	97	57	7	6	2	-	4-6	10	1500
18	Malin Head	04·4	-6	WSW	4	ir₀	58	92	56	8	5	2	-	2-3	10	800
	Aldergrove	07·1	-6	SSW	3	ir₀	59	92	57	8	5	2	-	7·8	10	1000
19	Birr Castle	09·8	-6	SSW	3	rr	60	92	58	7	6	2	-	7·8	10	800
20	Valentia Obsy.	11·8	-8	SW	6	r₀r₀	58	97	58	6	5	-	-	10	10	800
	Roches Point	13·5	-6	SW'W	5	dd	57	97	57	5	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 18th June — 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. 18th (39)	Weather 13h.–18h. 18th (40)	Weather 18h. 18th – 1h. 19th (41)	Weather 1h.–7h. 19th (42)
London (Kew)	16·7	-8	SW	4	r₀r₀	59	97	59	6	6	2	-	7-8	10	450	1	*	ir₀drr₀c	cr₀rr₀m₀	cir₀c	c
Croydon	18·2	-4	S	3	r₀r₀	60	92	57	6	5	2	-	9	10	700	1	*	ccid₀r₀m₀	cr₀r₀crrm	cr₀c	cir₀c
S. Farnborough	17·2	-6	SW'W	4	r₀r₀	60	92	58	6	6	2	-	9+	10	800	1	*	cir₀r₀m₀c	ccr₀m₀	cm r ir₀c	cir₀c
Boscombe Down	17·5	-6	SW'S	4	c/r	59	85	56	7	6	2	-	9	10	800	1	*	cr₀r₀m₀c	cr₀r₀c	ccm₀	cm₀c
Thorney Island	18·6	-6	SW	5	ir₀	59	92	57	6	6	2	-	9+	10	450	1	*	cr₀r₀cir₀m	cir₀m₀	cm₀	c
Lympne	18·8	-16	S	3	r₀r₀	57	97	55	6	5	2	-	9+	10	100	1	§ 5	cir₀rr	crrm₀	crm₀c	cmcir₀
Manston	18·0	-14	SW	4	ir	58	97	57	6	5	2	-	9+	10	400	1	*	cyir₀r₀r₀m₀	cr₀r₀m₀	cr₀r₀irm₀	cm₀irm₀
Shoeburyness	17·4	-4	SSW	3	d₀d₀	59	97	58	6	5	-	-	10	10	1500	1	*	cd₀d₀c	cr₀r₀c	cir₀	cir₀m₀
Felixstowe	15·8	-18	SSW	5	rr	59	97	59	6	6	2	-	9	10	1500	1	5	ir₀m₀crrm₀	crrm₀	cir₀m₀cm₀	cir₀cm₀
Gorleston	15·2	-20	SSW	4	r₀r₀	58	92	56	6	6	-	-	10	10	500	1	3	cor₀r₀	cr₀r₀z₀	p₀cid₀r₀	cr₀c
Mildenhall	13·9	-16	SW'S	4	r₀r₀	61	97	61	6	6	2	-	9	10	800	1	*	ccr₀r₀m₀	cr₀r₀m₀	cr₀r₀m₀cm	cid₀m₀
Cranwell	11·0	-10	SW	5	r₀r₀	62	85	59	7	6	2	-	7-8	10	1000	1	*	cr₀r₀m₀cr₀r₀	cr₀r₀	cr₀r₀c	cr₀r₀m₀
Birmingham	12·5	-12	SSW	5	ir₀	60	85	56	7	6	-	-	10	10	800	1	*	orro	oir₀	oir₀c	c
Upper Heyford	14·7	-10	SW'W	4	r₀r₀	60	97	58	7	6	2	-	9	10	600	1	*	crr₀	crrm₀r₀	cb₀rd₀d₀m	cm₀cir₀c
Ross-on-Wye	14·5	-10	SW'W	5	id₀	59	85	55	7	6	1	-	9+	10	1500	1	*	ir₀cd₀	d₀cp₀cd₀	p₀cr₀c	cc
Hartland Point	15·4	-6	WSW	5	c	57	92	55	6	5	2	-	7-8	10	600	1	4	rfdfdfo	ocir₀	co	oid₀c
Bristol	16·5	-10	WSW	4	c/r	61	85	57	8	6	2	-	10	10	1500	1	*	cd₀d₀cir₀	cd₀cdd₀m₀	oid₀id	cid₀
Portland Bill	19·3	-2	SW	5	o	56	92	55	6	5	2	-	10	10	1500	1	4	oif	omz	oo	p
Plymouth	20·1	-2	WSW	5	z₀	57	92	55	6	5	2	-	9	10	800	1	3	pmfd₀d₀	d₀d₀cm₀	cm₀	cid₀m₀
The Lizard	19·7	-4	W	5	o	57	92	57	7	5	-	-	10	10	1500	0	4	dffo	off₀	oc	bo
Scilly (St. Mary's)	18·4	-10	SW	5	c	59	85	55	6	5	-	-	9+	9+	600	1	5	ffeo	oc	c	id₀c
Guernsey																					
Pembroke	14·2	-10	WSW	6	eq	56	97	56	5	5	-	-	10	10	1000	1	4	pifprcm₀	epr₀ddm₀	cpr₀om	oifid₀m₀
Holyhead (Valley)	09·4	-12	SW	6	c/r	55	97	55	4	5	-	-	10	10	200	1	3	orrm₀	orrm₀	omcir₀	cd₀m₀
Chester (Sealand)	10·0	-10	W'S	3	r₀r₀	60	85	56	7	5	2	-	7-8	10	1500	1	*	r₀rrm₀	rrm₀r₀r₀	cr₀rm₀ir₀	cir₀id₀
Manchester	10·4	-6	SSW	4	rr	59	97	58	6	6	2	-	4-6	10	800	1	*	dorr	r₀r₀rrm₀	[illegible]	cm₀cir₀
Spurn Head	09·5	-18	SW'W	6	pr	62	85	58	7	8	7	-	7-8	10	1500	1	4	cr₀r₀	eqpr₀	cq	c
Catterick (Sc)	08·4	-16	SW	2	ir₀	60	85	56	6	5	7	-	7-8	10	1000	1	*	cfrcm₀	cir₀	c	cid₀m₀
Tynemouth	06·9	-8	WSW	4	c/r	61	85	55	7	8	-	-	9	9	1800	1	2	cor₀r₀	or₀r₀cir	c	cm₀
St. Abbs Head	03·7	-4	SW	3	c/pr	59	92	57	7	5	2	-	7-8	10	2500	1	3	r₀r₀	crrm₀cpr	cp₀rbc	cbc
Leuchars	01·9	-18	WSW	4	c/r	61	85	55	8	8	7	-	7-8	9+	2000	1	*	crrm₀	crr₀r₀m₀	cir₀m₀c	cbc
Renfrew (Abbots I.)	03·5	-14	WSW	3	rr	58	97	57	6	6	2	-	4-6	10	600	1	*	cm₀r₀r₀	cm₀r₀r₀r	ffr₀r₀cb	d cmid₀ir₀b
Eskdalemuir	04·4	-10	SSW	4	c/r	56	97	55	6	5	-	-	10	10	700	1	*	orrm₀	orrcr₀	cr₀r₀m₀	cm₀
Point of Ayre	06·7	-12	W'S	4	r₀r₀	60	97	59	6	6	2	-	4-6	10	800	1	4	rr	rrcr₀r₀	r₀r₀c	c
Tiree	01·7	-6	SW'W	4	c	55	97	54	7	5	-	-	4-6	9+	600	1	3	cr₀r₀d₀d₀d₀	m₀cd₀r₀m₀	cd₀d₀r₀r₀	c
Stornoway	98·2	-6	SSW	4	r₀r₀	54	97	54	6	6	2	-	9	10	600	1	2	r₀r₀m₀	cr₀r₀d₀r₀m₀	cr₀r₀id₀c	cdd₀cd₀d₀cid₀m₀
Dalwhinnie	01·3	-10	SW	4	ir₀	60	75	49	7	5	9	-	7-8	9+	1500	1	*	oir	oirc	*	cir₀p
Aberdeen	01·3	-32	S'W	2	r₀r₀	54	97	54	4	-	2	-	10	10	800	1	1	ccr₀r₀rrm₀	prrr₀r₀m	or₀r₀c	cbcb
Wick	00·6	-16	S'E	3	ir₀	52	92	50	6	5	2	-	7-8	10	1000	1	*	cr₀r₀	cir₀	cr₀r₀m₀	c
Sumburgh	03·5	-28	SE	4	r₀r₀	52	97	51	7	5	2	-	9+	10	1000	1	2	c	cir₀r₀r₀	cr₀r₀m₀	cr₀r₀d₀d₀m₀
Blacksod Point	06·3	+2	SW'W	6	c	56	85	52	8	6	-	-	9+	9+	1500	2	5	r	r	d	r
Malin Head	03·1	-6	W	5	r₀r₀	57	92	55	8	5	2	-	4-6	10	1500	2	4	r	r	r	d
Aldergrove	04·8	-10	SW'S	3	c/r	59	92	57	8	5	7	-	4-6	10	700	1	*	cir₀	ir₀cid₀ir	ccpr₀c	cd₀d₀m₀c
Birr Castle	08·6	-2	SSW	3	c	59	92	57	7	6	2	-	7-8	10	800	1	*	r	r	r *	
Valentia Obsy.	11·6	-2	SW	5	r₀r₀	58	97	58	6	5	-	-	10	10	450	1	4	r	r	r	r
Roches Point	12·2	-6	WSW	5	d₀d₀	57	97	57	6	5	-	-	10	10	450	1	4	d	d	d	d

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate or fresh southwest winds; fair with some bright periods at first, cloudy with some slight rain towards end of period; rather warm and close.
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 winds veering west later; dull on windward coasts at first with occasional drizzle, but fair elsewhere with some bright periods. Becoming generally dull for a while with some slight rain, but ultimately becoming mainly fair with bright periods but some local showers; rather warm and close, becoming cooler.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh southwest to west winds; cloudy with some rainy periods at first, becoming fair apart from scattered showers later; rather cool.
16 Orkneys and Shetlands	Moderate or fresh west winds becoming variable; cloudy with rain at times; rather cool.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 4-12

GENERAL INFERENCE

A depression centred northwest of the British Isles is moving northeast. There will be some rain or drizzle in most districts, but also some bright periods. It will be rather cold in the North, but rather warm and close elsewhere, becoming cooler.

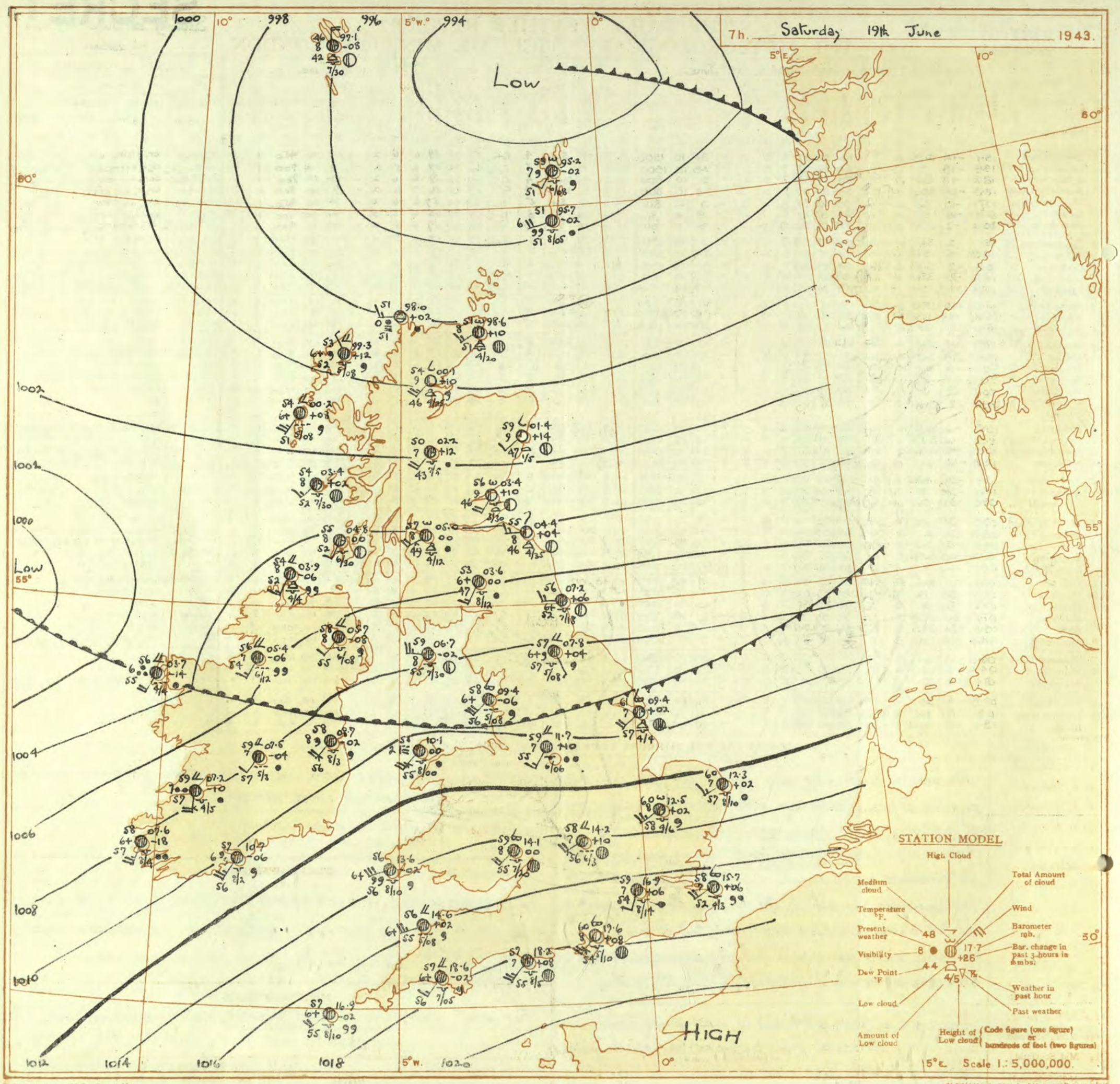
FURTHER OUTLOOK

Fair apart from some scattered showers, mainly in the northwest

Forecasts issued at 1030

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 19th June 1943

No. 29794

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

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	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon	290	16·6	-4	SSW	3	c	58	85	54	8	5	7	-	4-6	9+	900
	S. Farnborough	226	15·9	-4	WSW	4	c/r	58	85	54	4	5	7	-	9	9+	1600
	Boscombe Down	417	16·6	-6	SW'S	5	z_0	56	92	54	6	5	3	-	9	10	1000
	Thorney Island	10	17·1	-10	SW	6	z_0	59	85	54	6	6	2	-	7-8	10	800
	Lympne	283	16·8	-14	SW	5	z_0	56	92	54	6	5	2	-	9	10	700
	Manston	154	15·9	-8	WSW	4	ir_0	57	92	54	6	6	2	-	9+	10	900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13·8	-10	SW'S	5	c/r	59	92	57	6	6	2	-	7-8	10	1500
	Gorleston	5	12·1	-2	SW'W	4	r_0r_0	59	92	57	7	6	-	-	10	10	800
	Mildenhall	15	12·2	-4	SW'W	5	c/d	60	92	57	6	5	2	-	7-8	10	1300
	Cranwell	203	10·5	+2	SW	6	c	59	85	56	8	5	2	-	9	10	1800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·4	-4	WSW	5	c/d	57	97	56	6	6	2	-	9+	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·6	0	WSW	6	o	56	97	56	7	5	-	-	10	10	1500
	Bristol	209	15·9	-2	SW'W	4	c/d	59	97	57	7	5	-	-	10	10	1000
	Portland Bill	32	17·8	-6	SW	6	o	57	92	55	7	5	-	-	10	10	2500
	Plymouth	82	19·6	-4	WSW	4	z_0	57	92	55	6	5	2	-	9	10	500
	The Lizard	240	18·5	-4	WSW	4	c	56	97	56	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	17·5	-10	SW'W	5	z_0	57	97	55	6	5	-	-	10	10	1000
	Guernsey	175															
6	Pembroke	142	13·8	0	W	6	cg	56	97	56	5	5	-	-	10	10	800
7	Holyhead (Valley)	32	09·8	+2	SW	5	r_0r_0	55	97	55	4	5	-	-	10	10	400
	Chester (Sealand)	16	09·9	0	W	3	ir_0	60	85	56	6	5	7	-	9	10	1500
8	Manchester	235	09·8	+2	SW	4	z_0	58	85	55	6	5	7	-	7-8	10	1800
10	Spurn Head	29	09·1	+2	WSW	5	c	59	92	56	7	8	7	-	7-8	9+	1500
	Catterick (Sc)	192	07·7	+10	SW	3	c	57	85	53	7	8	7	-	4-6	9	1500
	Tynemouth	108	06·1	+4	WSW	4	c-bc	57	85	52	7	2	3	-	4-6	7-8	1500
11	St. Abbs Head	280	02·8	+6	W	3	bc	54	85	48	8	2	4	-	4-6	4-6	2500
	Leuchars	36	01·4	0	SW	4	c	54	85	50	8	5	-	-	9+	9+	2000
12	Renfrew (Abbots I.)	19	03·8	-2	WSW	6	id_0	53	85	49	6	5	2	-	7-8	9	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07·0	+6	W	4	c	57	92	55	8	5	-	-	9+	9+	4000
13A	Tiree	44	02·5	+6	W	4	c/+	53	97	52	8	8	-	-	9+	9+	1500
13B	Stornoway	15	97·6	-2	SSW	2	c/d	53	92	51	8	5	-	-	10	10	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	99·4	-6	SW	1	ir_0	53	92	51	7	5	2	-	0	9+	·
	Wick	114	97·8	-6	SSW	1	r_0r_0	53	92	51	7	5	2	-	10	10	1500
16	Sumburgh	19	96·5	-26	SE'S	4	r_0r_0	52	97	52	5	2	-	-	10	10	300
17	Blacksod Point	18	06·1	-6	SW'W	4	dd	54	92	52	6	-	2	-	10	10	1500
18	Malin Head	84	03·8	-2	SW'W	5	c-bc	53	85	49	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	06·6	+2	W	3	c	54	85	50	8	5	7	-	4-6	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·5	-6	SSW	5	d_0d_0	57	97	57	6	5	-	-	10	10	800
	Roches Point	22	11·9	-2	SW'W	5	id_0	56	92	54	7	5	-	-	10	10	450

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15·9	+8	SW	3	c	59	85	54	8	5	-	-	10	10	800	1	*
Croydon	16·9	+6	SSW	2	c	59	85	54	7	5	-	-	10	10	1400	1	*
S. Farnborough	16·5	+10	WSW	4	c	59	92	54	8	5	7	-	9	10	900	1	*
Boscombe Down	16·6	+2	SW'S	4	c	58	85	55	8	5	-	-	9+	9+	1000	0	*
Thorney Island	17·6	+8	SW	5	c-bc	60	85	44	8	5	7	-	7-8	7-8	1000	1	*
Lympne	17·1	+10	SW	4	c/r	57	85	54	7	5	-	-	9	10	500	1	§
Manston	15·7	+6	WSW	4	c/r	58	85	52	7	5	7	-	4-6	10	800	7	*
Shoeburyness	15·9	+8	SW	4	c/r	59	85	55	6	5	2	-	7-8	10	800	1	*
Felixstowe	14·0	-4	SW'S	5	c/r	60	92	57	6	5	-	-	10	10	2500	1	4
Gorleston	12·3	+2	WSW	3	c	66	85	57	7	6	-	-	10	10	1000	1	3
Mildenhall	12·5	+2	WSW	5	c	60	92	58	8	5	3	-	4-6	9+	4000	1	*
Cranwell	11·5	+10	SW	5	c	60	85	57	8	5	2	-	7-8	9+	900	1	*
Birmingham	12·4	+4	SW	4	c	59	85	55	8	5	-	-	10	10	800	1	*
Upper Heyford	14·2	+10	WSW	4	c	58	92	56	7	6	2	-	9	10	800	1	*
Ross-on-Wye	14·1	0	SW'W	4	c	59	85	55	8	5	7	-	9+	10	2000	1	*
Hartland Point	14·6	+2	WSW	5	c	56	97	56	6	6	2	-	7-8	10	800	1	4
Bristol	16·1	+4	WSW	4	c/d	59	85	54	7	5	-	-	10	10	1500	1	*
Portland Bill	18·2	+8	SW	5	o	57	92	55	7	5	-	-	10	10	2500	1	5
Plymouth	18·6	-2	SW	3	z_0	57	97	56	6	5	2	-	9+	10	500	1	3
The Lizard	17·7	-4	WSW	5	o	56	97	56	6	5	-	-	10	10	800	1	
Scilly (St. Mary's)	16·9	-2	SW'W	4	c/d	57	92	55	6	5	-	-	10	10	1000	1	4
Guernsey																	
Pembroke	13·6	-2	WSW	6	d_0d_0	56	97	56	6	5	-	-	10	10	1000	1	4
Holyhead (Valley)	10·1	0	SW'S	5	of+	55	97	55	2	5	-	-	10	10	<150	*	4
Chester (Sealand)	10·0	+2	W	4	c/r	60	85	54	7	5	7	-	7-8	9+	2500	1	*
Manchester	10·3	+8	SSW	4	ir_0	58	85	55	6	6	2	-	4-6	10	1200	1	*
Spurn Head	09·4	+2	SW'W	4	c	61	85	57	7	8	7	-	4-6	9+	1500	1	3
Catterick (Sc)	07·8	+4	SSE	1	id_0	57	97	57	6	5	2	-	7-8	10	800		*
Tynemouth	07·2	+6	W	3	z_0	56	92	52	6	5	-	-	9+	9+	1800	1	2
St. Abbs Head	04·4	+4	W	3	bc	55	75	46	8	2	4	-	4-6	4-6	3500	0	3
Leuchars	03·4	+10	SSW	4	bc	56	65	46	9	7	3	-	2-3	4-6	3000	0	*
Renfrew (Abbots I.)	05·0	0	W'S	4	c-bc	57	75	49	8	8	3	-	4-6	7-8	1200	1	*
Eskdalemuir	03·6	0	SSW	3	z_0	53	72	47	6	5	-	-	10	10	1200	0	*
Point of Ayre	06·7	-2	W	5	c	59	92	55	8	5	-	-	9+	9+	3000	1	3
Tiree	03·4	+2	SW	3	c	54	92	52	8	5	-	-	9+	9+	3000	1	3
Stornoway	99·3	+12	NW	1	id_0	53	92	52	6	5	2	-	7-8	10	800	1	2
Dalwhinnie	02·2	+12	SW	4	c	50	75	43	7	5	-	-	9+	9+	2500	1	*
Aberdeen †	01·4	+14	WSW	2	b	59	65	47	9	1	4	-	Tr	1	2500	1	1
Wick	98·6	+10	W'S	3	c-bc	51	92	49	8	8	3	-	4-6	7-8	2000	1	*
Sumburgh	95·7	-2	WSW	4	d_0d_0	51	97	51	6	5	-	-	10	10	500	1	2
Blacksod Point	03·7	-14	SW'S	4	++	56	97	56	6	6	2	-	4-6	10	1500	1	3
Malin Head	03·9	-6	SSW	3	c/d	54	92	52	8	8	2	-	4-6	10	1500	2	3
Aldergrove	05·7	-8	SW	2	c	58	92	55	8	5	2	-	9	10	800	1	*
Birr Castle	07·5	-4	SW	2	c	59	92	57	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	07·6	-18	SSW	5	c/r	58	97	58	6	5	-	-	10	10	1500	1	5
Roches Point	10·7	-6	SW	5	id	57	97	57	6	5	-	-	10	10	450	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 18th Hrs. (38)
London (Kew)	60	58	56	5	0·2	0·1
Croydon	61	57	56	3	0·3	0·0
S. Farnborough	61	57	55	3	0·1	0·0
Boscombe Down	61	56	54	2	-	0·0
Thorney Island	60	57	56	7	Tr	*
Lympne	62	56	55	5	2	3·4
Manston	64	57	55	4	2	3·7
Shoeburyness	66	58	57	4	1	2·[illegible]
Felixstowe	66	57	56	5	4	3·[illegible]
Gorleston	66	58	44	5	1	5·2
Mildenhall	62	58	57	7	2	1·6
Cranwell	63	57	57	3	0·2	0·0
Birmingham	61	57	55	5	0·1	0·0
Upper Heyford	60	57	51	7	0·4	*
Ross-on-Wye	61	57	56	0·2	Tr	0·0
Hartland Point	57	56	55	0·6	0·1	0·0
Bristol	63	57	56	1	0·4	0
Portland Bill	57	55	*	2		*
Plymouth	58	55	*	0·2	Tr	0·0
The Lizard	59	55	*	-	Tr	0·2
Scilly (St. Mary's)	61	56	*	0·2	Tr	0·8
Guernsey						
Pembroke	57	54	*	1	1	0·0
Holyhead (Valley)	57	55	54	25	1	*
Chester (Sealand)	63	59	55	10	1	0·0
Manchester	61	57	56	12	3	*
Spurn Head	62	58	*	2	0·6	1·1
Catterick (Sc)	64	55	50	5	0·1	1·5
Tynemouth	63	53	52	6	-	*
St. Abbs Head	61	52	*	5	0·3	*
Leuchars	63	53	49	5	Tr	0·8
Renfrew (Abbots I.)	59	59	47	8	1	0·0
Eskdalemuir	57	50	49	10	2	0·0
Point of Ayre	60	54	*	4	0·3	0·0
Tiree	57	51	50	8	2	0·0
Stornoway	55	52	52	6	2	0·0
Dalwhinnie	56	46	40	2	1	0·0
Aberdeen †	57	52	49	6	1	0·5
Wick	54	51	49	0·6	2	*
Sumburgh	55	51	50	0·1	5	1·4
Blacksod Point	59	53	*	3	1	*
Malin Head	58	52		4	0·3	0·4
Aldergrove	61	53	52	3	10	0·6
Birr Castle	61	56	55	6	2	0·0
Valentia Obsy.	59	57	56	8	5	0·0
Roches Point	58	56		1	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 18th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	62748	13468	5-	62538	46468	57	62545	24467	5-	55538	22428
115	51	62845	12268	51	66745	20268	--	67109	20369	--	67009	24369
203	5-	52748	16368	6-	52738	16458						
206	5-	64648	00068	52	22755	00068	57	51945	22257	24	01954	20554
210	62	62658	14368	57	62851	20267	52	22956	21368	5-	01964	21314
219	62	64437	18368	02	22628	19468	02	52638	22668	62	01635	20558
230	52	58546	20368	62	51527	20368	6-	53637	55557	5-	21854	20484
245	62	62535	14468	57	61644	22268	07	02790	22316	14	01953	19313
260	52	22746	18468	6-	62745	24468	57	02745	20228	20	01844	22724
278	62	64725	19368	57	22845	20268	57	02844	24325	52	21837	20258
279	62	61626	53768	62	61627	20668	57	01853	55564	5-	21638	22458
285	62	63625	22568							62	50625	24468
288	62	62548	20568	62	61844	18327	54	01854	21468	57	51748	18458
575	62	22834	18368	93	25844	20387	57	02855	18128	62	21746	18358
301	62	62635	20568	5-	52734	22568	6-	02726	22568	67	05635	22658
321	52	22644	18368	52	22735	22368	57	61646	20368	57	02733	20467
[illegible]	5-	62648	20368	5-	05647	20367	5-	05646	22426	8-	21747	22357
[illegible]	52	61548	18368	57	21756	20368	5-	61747	22267	6-	52648	19328
310	--	57203	20559									
614	52	62636	20368	52	62635	20368	62	62536	53468	52	52635	22368

III	13h. G.M.T. 18th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
338	02	62518	51468	02	58518	51668	62	62505	53668	5-	58108	54568
334										--	64437	22368
340	52	61646	20368	52	62845	53568	51	22845	55468	57	22745	56386
136	62	64627	20368	62	62626	20468	52	22746	20568	5-	02825	20527
336				62	62626	20468				62	62526	20468
350	62	62627	20368	62	62736	20468	62	61637	55528	52	02836	21468
368	5-	52428	24268	5-	22638	22468	5-	02638	55428	57	05636	20458
379				62	62616	55568				62	02726	53558
390	5-	62448	20368	5-	62427	18368	52	22546	57468	5-	05636	20328
382	52	62736	20368	57	58836	20368	52	02747	55428	52	21747	54458
438	--	67009	21549	--	67009	22569				52	02657	22638
430	52	61627	20468	52	21637	55558	5-	02747	53528			
409	5-	02737	54628	52	02835	54658	5-	62628	54668	5-	02725	21568

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 19th June
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	ir_0drr_0f	$cr_0rr_0m_0$	cir_0cc
Croydon	$ccid_0r_0m_0$	$cr_0r_0rm_0$	cr_0cir_0c
Greenwich	rr_0	rr_0crr	r_0c
Camden Square	cr	cr	*
Kensington	cor	cr	*
Hampstead	bcor	or	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended [illegible] Max. [illegible] 0·1 all of 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	58	56	5	0·2	0·1	*	*
Croydon	61	57	56	3	0·3	0·0	*	*
Greenwich	63	57	55	4·3	Tr	0·6	93	75
Westminster	63	57	55	4·7		+	95	78
Regents Park	61	56	55	5·3	1·2	+	94	81
Camden Square	61	57	56	5·8	0·5	*	*	77
Kensington	61	58	56	5·3	0·5	+	95	77
Hampstead	59	55	52	5·5	0·4	+	*	85

SECRET

Page 1 BRITISH SECTION

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

Sunday 20th June 1943

No. 29795

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

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)	16·0	-4	SW'W	4	bc	67	65	55	8	8	-	-	4-6	4-6	2500
	Croydon	17·3	-2	SW	3	c-bc	68	65	54	8	1	-	-	7-8	7-8	1800
	S. Farnborough	16·7	-2	SW'W	4	c-bc	69	65	56	8	8	-	-	7-8	7-8	2000
	Boscombe Down	16·9	-4	SW'S	5	c	67	65	55	8	2	-	-	9	9	2500
	Thorney Island	18·4	+6	SW'W	4	iro	62	85	57	8	5	-	-	9	10	1500
	Lympne	18·1	+2	WSW	4	c	63	75	56	8	5	•	-	10	10	700
	Manston	16·6	+2	SW'W	4	b-bc	69	55	53	8	1	4	5	Tr	2-3	2500
2	Shoeburyness	16·4	0	WSW	3	b-bc	72	65	57	7	1	4	-	1	2-3	2500
	Felixstowe	15·2	-6	SSW	3	zo	69	75	60	6	5	-	-	7-8	7-8	2500
	Gorleston	13·3	0	WSW	4	c	66	75	57	7	5	-	-	10	10	1500
	Mildenhall	14·3	+2	WSW	5	c-bc	67	75	58	8	5	7	-	2-3	7-8	2500
	Cranwell	12·5	+2	WSW	6	c	65	75	57	7	5	3	-	9	9+	1000
3	Birmingham	13·6	0	SW	5	bc	64	65	52	8	1	-	-	4-6	4-6	2500
	Upper Heyford	14·9	-4	WSW	4	b	69	65	55	8	5	-	1	4-6	7-8	2800
4	Ross-on-Wye	14·8	0	WSW	4	c	63	75	54	8	5	-	-	9+	9+	3000
5	Hartland Point	14·1	-10	WSW	5	c	62	75	53	8	5	6	-	7-8	9	2000
	Bristol	16·0	-6	WSW	4	c-bc	69	65	56	8	5	3	-	7-8	7-8	2500
	Portland Bill	18·5	+4	SW	4	o	58	92	56	7	5	-	-	10	10	2500
	Plymouth	18·4	-4	SW	3	c	59	97	58	7	5	2	-	9	10	800
	The Lizard	17·4	-4	WSW	5	c	61	85	58	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	15·9	-8	SW'S	5	c	62	85	57	7	5	-	-	9+	9+	1000
	Guernsey															
6	Pembroke	13·4	-6	SW	5	cq	59	85	55	7	8	2	-	7-8	10	2500
7	Holyhead (Valley)	10·1	-6	S'W	6	zo	61	85	54	6	5	3	-	4-6	10	400
	Chester (Sealand)	10·0	+6	W'S	6	bc	67	55	49	7	5	4	4	2-3	4-6	3500
8	Manchester	11·5	+6	SSW	6	c	64	75	56	9	2	6	1	7-8	10	2000
10	Spurn Head	10·9	+2	WSW	6	cq	66	75	57	7	7	3	-	4-6	9+	2500
	Catterick (Sc)	08·8	+2	SW	4	ido	63	65	58	7	5	7	-	7-8	9	1000
	Tynemouth	07·3	-4	W	4	c-bc	64	75	54	7	2	3	-	4-6	7-8	2600
11	St. Abbs Head	05·0	0	WSW	4	c/pr	62	75	55	7	5	2	1	7-8	10	3000
	Leuchars	04·0	-2	SW	4	c	61	75	53	8	5	2	-	7-8	10	2000
12	Renfrew (Abbots I.)	04·5	-6	SW'S	3	roro	60	92	58	6	5	2	-	7-8	10	800
	Eskdalemuir	05·6	0	SSW	4	roro	57	92	55	6	-	2	-	10	10	300
	Point of Ayre	06·5	-6	WSW	5	c-bc	66	85	61	8	5	7	8	2-3	7-8	3000
13A	Tiree	01·4	-18	SSE	1	roro	53	97	53	6	5	-	-	10	10	400
13B	Stornoway	99·8	0	SSW	4	roro	53	97	53	7	5	-	-	10	10	800
15	Dalwhinnie	02·0	+4	SW	3	c	56	75	47	7	5	2	-	7-8	10	2500
	Aberdeen	02·2	+6	SW	4	c	67	45	46	9	4	-	6	Tr	9+	3500
	Wick	01·0	+8	WNW	3	c	60	75	53	9	8	-	2	4-6	7-8	2000
16	Sumburgh	99·6	+26	W'N	4	c	52	85	48	8	5	-	-	9+	9+	2000
17	Blacksod Point	01·3	-2	SSW	5	id	58	92	56	6	6	2	-	4-6	10	1500
18	Malin Head	00·7	-22	SW'S	3	dr	59	92	57	6	-	2	-	10	10	800
	Aldergrove	04·0	-14	SSW	3	ido	63	85	58	8	5	2	-	9	10	1000
19	Birr Castle	05·7	-8	SW	4	c	61	85	56	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	05·9	-6	SSW	6	c/r	59	97	58	7	6	-	-	10	10	800
	Roches Point	08·5	-18	SW	5	iD	56	97	55	4	5	-	-	10	10	450

OBSERVATIONS at 18h. G.M.T. 19th June — 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. 19th (39)	Weather 13h.–18h. 19th (40)	Weather 18h 19th to 1h 20th (41)	Weather 1h.–7h. 20th (42)
London (Kew)	16·2	+4	SW	4	c-bc	65	65	54	8	8	-	-	7-8	7-8	2500	1	*	cbc	bcc	bcb, cw	cw
Croydon	17·6	+2	SW	4	c-bc	65	55	53	8	5	-	-	7-8	7-8	2500	0	*	cbcc	cbcc	bcmo	bccmobcc
S. Farnborough	16·7	+2	SW'W	4	c-bc	64	65	55	8	7	-	-	7-8	7-8	2000	0	*	c	cbcc	cbbcc	ccmowc
Boscombe Down	16·8	0	SSW	4	c	61	75	55	8	8	-	-	7-8	9+	2000	0	*	cbcc	c	c	c
Thorney Island	17·8	-4	SSW	4	c	63	75	55	9	7	-	-	9	9	2500	0	*	ccir₀	c	cbcc	bcwfgc
Lympne	18·4	+2	SW	3	c	61	85	55	8	5	-	-	9	9	800	1	§3	c	c	cbbmow	bmowb
Manston	16·7	-2	WSW	5	bc	64	75	54	8	1	-	-	4-6	4-6	1800	0	*	cb	bbcybc	bcb	b
Shoeburyness	16·6	+2	SSW	4	b-bc	67	65	57	8	1	-	-	2-3	2-3	2500	0	*	cbc	bc	bc	bcw
Felixstowe	14·7	-2	SW'S	4	b	70	75	60	8	1	-	-	Tr	Tr	4000	0	4	cmo	cmob	bbcbcw	bc
Gorleston	13·6	0	WSW	4	b-bc	75	55	55	7	1	-	-	2-3	2-3	3000	0	4	c	bcbcy	b	bc
Mildenhall	13·5	+2	SW	5	bc	71	55	59	8	1	-	-	4-6	4-6	2500	1	*	c	bcby	bcyb,c	c
Cranwell	11·9	0	SW	5	bc	68	55	54	8	7	-	-	4-6	4-6	2000	1	*	ccrorom oc	cbcy	bcb	bcwvc
Birmingham	13·0	-2	SSW	4	bc	65	65	53	8	7	-	-	4-6	4-6	2500	1	*	cbc	bc	bcc	bcc
Upper Heyford	14·1	0	SW'S	4	bc	67	65	57	8	5	-	-	4-6	4-6	2500	0	*	cidobc	bccbc	c	cbpp
Ross-on-Wye	13·8	-6	SW'W	4	c-bc	63	75	54	9	5	-	-	7-8	7-8	3500	0	*	ocbcc	c	cbc	c
Hartland Point	13·0	-4	SW	5	c	61	85	55	8	5	-	-	9+	9+	2000	0	4	cido	c	bcc	cidoir
Bristol	15·6	-2	SW	4	c	63	75	56	8	5	-	-	9	9	2500	1	*	cbc	ccv	cbcc	c
Portland Bill	17·4	+4	SW	4	o	58	92	56	8	5	-	-	10	10	4000	1	4	o	c	c	c
Plymouth	17·1	-10	S'W	4	c	57	97	57	7	5	2	-	9	9+	1000	0	2	cmoc	c	c	cmodo dofmo
The Lizard	15·5	-8	SW	4	c-bc	56	92	54	8	8	6	-	7-8	7-8	1000	0	4	c	c	cbcc	Fdmc
Scilly (St. Mary's)	13·5	-14	S'W	6	c	60	85	56	7	5	7	5	7-8	9	1200	0	5	cbcc	c	cidc	cidc
Guernsey																					
Pembroke	11·6	-6	SW	7	cq	57	92	55	7	8	7	-	7-8	10	2500	1	5	idomoq	cq	crqiromo	cq
Holyhead (Valley)	09·4	-6	S'W	7	c	58	85	54	7	5	-	-	10	10	1500	1	5	pfidoc	cmoc	cdodoorr	procbc
Chester (Sealand)	10·5	-2	WSW	3	c-bc	66	55	51	8	5	3	9	7-8	7-8	3000	0	*	cro	bcy	c	cddzomo
Manchester	11·3	+6	SSW	5	c	64	65	52	9	4	-	-	9	9	2000	1	*	roddido	cbcybcc	c	ciro
Spurn Head	11·3	+4	WSW	6	bcq	68	55	52	7	7	-	-	4-6	4-6	2500	0	4	cq	bcqzo	bc	c
Catterick (Sc)	08·3	-4	SSW	5	bc	66	65	53	8	1	3	9	4-6	4-6	3000	0	*	cidoc	cidobc	c	c
Tynemouth	07·8	+2	WSW	5	c-bc	63	65	52	7	2	3	-	4-6	7-8	2600	1	3	ororomoc	c	c	c
St. Abbs Head	04·0	+4	SW	6	c	59	85	54	7	5	7	-	7-8	9+	2500	0	4	bcprc	c	cromcir	ciroc
Leuchars	03·1	-2	SW	5	zo	61	85	57	6	5	7	-	7-8	10	600	0	*	bcybc	cror oc	crormociro	c
Renfrew (Abbots I.)	03·3	-2	SSW	4	rr	60	92	58	6	6	2	-	4-6	10	800	1	*	ccmoroвro	cmododrr	rorocmo	cmoc
Eskdalemuir	05·3	-4	SSW	6	roro	55	97	54	4	-	2	-	10	10	200	1	*	orrro	ororom	orrmmo	c
Point of Ayre	06·5	+2	SW	6	c	58	92	56	6	5	-	-	10	10	2500	0	4	irorrc	c	oidobcc	irocbc
Tiree	99·9	-2	SW	4	c	57	92	55	8	5	7	4	2-3	9	600	1	3	ccroromo	cdodomoc	bc	bcb
Stornoway	96·4	-34	ESE	3	roro	52	97	51	5	5	-	-	10	10	500	1	2	cidororomo	crorociro	crоromobc	bccirocbc
Dalwhinnie	01·0	-10	WSW	5	rr	56	97	55	6	5	2	-	7-8	9+	800	1	*	co	ciro	*	ciro
Aberdeen	02·1	-8	S'E	2	id	56	97	55	6	6	2	-	9+	10	600	1	2	bbcycy®	circidmo	cidomoc	c
Wick	00·5	-8	SSW	2	c/r	56	85	52	8	-	7	-	0	10	-	1	*	cidoc	crororc	cv	c
Sumburgh	01·8	+10	S	2	c	52	92	50	8	5	7	-	7-8	9+	3000	1	2	c	c	cirocm	c
Blacksod Point	01·1	-4	SSW	6	c	57	85	52	7	9	-	-	9+	9+	1500	1	5	d	bc	pr	pr
Malin Head	00·3	0	SW	4	rr	57	97	56	8	8	2	-	4-6	10	800	2	3	r	r	r	c
Aldergrove	03·2	-4	SSW	3	c/r	60	92	58	8	5	2	-	7-8	10	1100	1	*	cidododoido	cidoroиo	iPRc	cbcbbc
Birr Castle	03·7	-14	SSW	4	c-bc	63	75	55	8	3	7	-	2-3	7-8	1500	1	*	r	r	*	bc
Valentia Obsy.	05·5	-2	SSW	5	c-bc	55	75	51	8	2	7	2	2-3	7-8	2500	1	4	r	r	pr bc	pr
Roches Point	06·9	-8	SW'W	4	c-bcq	57	97	56	7	5	-	-	7-8	7-8	800	1	5	d	r		bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 20th June 1943

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate south to southwest winds; mainly fair, but risk of thunderstorms this evening and tonight; warm becoming cooler.
3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Moderate or fresh southwest winds; fair with some bright periods; rather warm becoming cooler.
8 N.W. England	As 11-15
9 N. Midlands; 10 N.E. England	As 3-7.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland ✠; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh southwest winds, strong locally on coasts, veering westerly; local thundery showers, some bright periods; rather cool.
16 Orkneys and Shetlands; 17 N.W. Ireland ✠; 18 N.E. Ireland ✠; 19 S.E. Ireland; 20 S.W. Ireland ✠	As 11-15.

GENERAL INFERENCE

A rather deep depression off northwest Scotland is moving northeast. There will be local thundery showers in western and northern districts and there is a chance of some thunderstorms in east and Southeast England this evening and tonight. It will be warm in the Southeast at first but will become cooler. In the Northwest it will be rather cool.

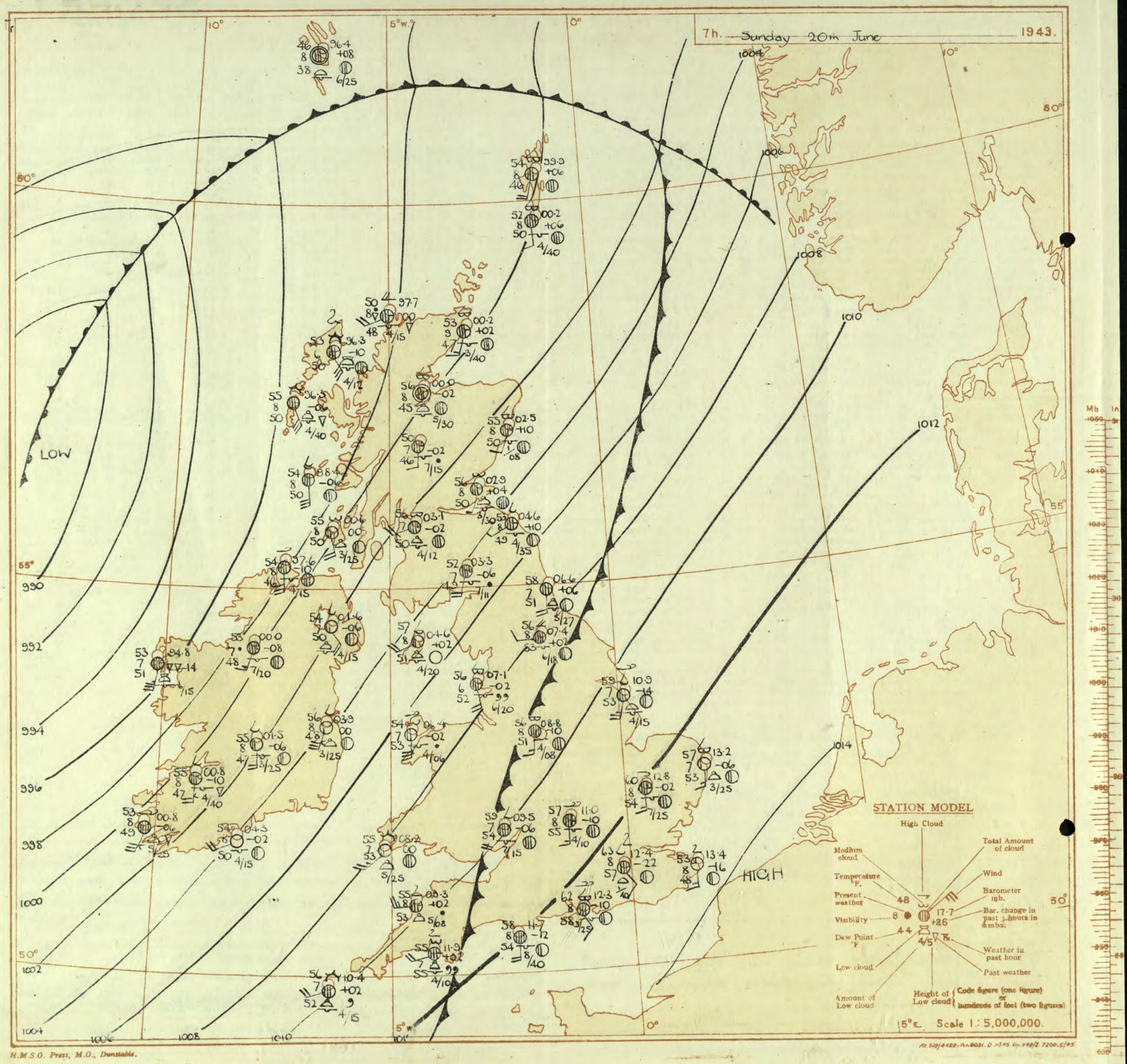
FURTHER OUTLOOK

Unsettled. General rain probably spreading eastwards across the country.

✠ Gale warning in operation in districts 13A, 17 & 18 (part of) issued 2345 19th June 1943. In district 20 (part of) issued 0820, 20th June 1943.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

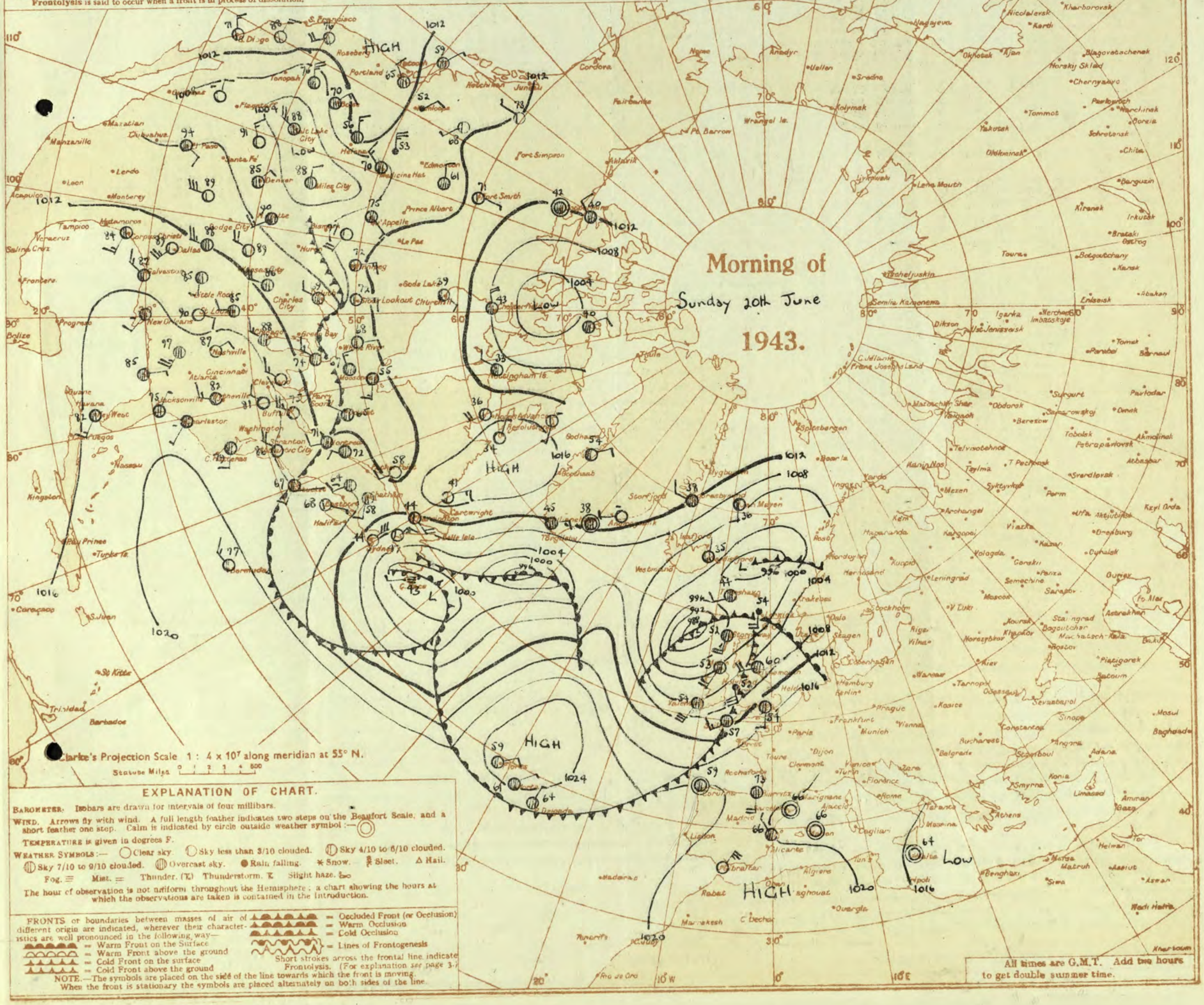
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

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 20th June 1943

No. 29295

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·3	-8	S	2	bc	54	92	53	6	5	-	-	4-6	4-6	500
	S. Farnborough	226	15·3	-10	SSW	2	c	57	85	53	7	5	-	-	9+	9+	1900
	Boscombe Down	417	14·8	-14	S'E	2	c	56	92	54	7	5	-	-	2-3	9+	700
	Thorney Island	10	15·5	-14	SSE	3	c	58	92	56	9	5	-	-	9+	9+	2000
	Lympne ..	283	16·6	-10	SSE	2	zo	54	97	54	6	-	-	-	0	0	-
	Manston ...	154	16·4	-6	S'W	2	b	53	97	52	8	-	4	-	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15·5	-2	SSW	3	bc	60	85	56	7	5	-	-	4-6	4-6	4000
	Gorleston ...	5	14·3	0	SSW	2	b	58	85	53	7	-	4	-	0	1	-
	Mildenhall ...	15	14·1	-6	SSW	3	c	58	85	53	8	5	-	-	9	9	2000
	Cranwell ...	203	12·1	-2	SW	4	c-bc	55	92	52	8	-	7	-	0	7-8	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·5	-10	SSW	3	c	57	85	51	8	5	-	-	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·1	-18	SSW	5	c	57	85	53	8	5	-	6	7-8	9	2500
	Bristol	209	13·7	-10	SSW	4	c	59	75	52	8	5	-	-	9+	9+	2500
	Portland Bill ...	32	14·2	-24	SW	4	c	56	85	53	8	5	-	-	10	10	4000
	Plymouth ...	86	13·5	-20	SSW	4	c	58	92	57	7	5	-	-	10	10	1000
	The Lizard ...	240	12·1	-20	S	5	c	56	97	55	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	10·9	-6	WSW	3	c/d	57	97	56	5	5	-	-	10	10	300
	Guernsey ...	175															
6	Pembroke ...	142	08·6	-6	SSW	5	rr	57	97	56	6	5	-	-	10	10	1500
7	Holyhead (Valley)	32	07·5	-4	S	6	ro	53	85	49	4	-	2	-	10	10	1500
	Chester (Sealand)	16	09·0	-6	SW'S	3	e	60	75	52	7	5	4	7	7-8	10	2000
8	Manchester ...	230	09·7	-8	S'E	4	c	58	75	51	9	5	7	-	9	10	2500
10	Spurn Head ...	29	11·8	-4	SSW	4	bc	58	85	54	7	7	-	-	4-6	4-6	1500
	Catterick (Sc) ...	192	08·1	-4	S	3	c-bc	59	85	53	8	5	3	-	4-6	7-8	2700
	Tynemouth ...	108	07·8	0	WSW	4	c-bc	60	75	52	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	03·7	+2	SSW	5	ir	56	92	54	7	5	-	-	9+	9+	1500
	Leuchars ...	36	02·5	-2	S	2	c	57	85	54	8	5	7	-	7-8	9+	1500
12	Renfrew (Abbots I.)	19	03·3	-2	SSW	3	zo	56	85	52	6	5	7	-	7-8	9	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	05·2	-6	SW	4	ir	56	85	50	8	8	7	-	4-6	9+	2500
13A	Tiree	44	00·0	-6	S	2	c-bc	53	92	50	8	-	7	-	0	7-8	*
13B	Stornoway ...	12	97·4	-4	S	4	c-bc	52	92	49	7	5	-	5	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01·5	0	SSW	3	bc	56	92	53	9	5	7	-	2-3	4-6	3500
	Wick ...	114	00·0	+6	SSW	3	c-bc	52	75	43	9	5	7	2	2-3	7-8	3000
16	Sumburgh ..	19	98·8	-4	S'W	4	m	53	97	53	4	5	2	-	9+	10	100
17	Blacknod Point	18	98·0	-14	S	7	c-bc/pr	55	75	47	7	9	-	-	7-8	7-8	1500
18	Malin Head ...	84	99·5	-12	S'W	4	c	53	92	51	8	5	-	-	9	9	800
	Aldergrove ...	268	03·1	-2	S'E	3	c	52	85	47	7	5	7	-	2-3	9	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	03·1	-14	SSW	6	c	54	85	49	8	2	-	-	9+	9+	2500
	Roches Point	22	06·0	-8	SW'S	4	bc	53	97	52	8	5	-	5	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11·8	-14	-	0	c	61	85	55	8	8	9	6	1	9+	4000	1	*
Croydon ...	12·4	-22	SE	2	c	63	85	57	8	1	4	6	Tr	9	4000	0	*
S. Farnborough	11·9	-10	SSE	2	c	59	85	55	7	7	7	6	4-6	9+	1800	0	*
Boscombe Down	12·1	-6	SSE	2	c	58	85	55	7	8	-	6	4-6	9	1000	0	*
Thorney Island	12·3	-10	SSE	2	c-bc	62	85	58	8	5	7	2	2-3	7-8	2500	0	*
Lympne ..	13·3	-10	SE'E	2	b-bc	63	85	58	8	-	-	5	0	2-3	-	1	3
Manston ...	13·4	-16	S'E	3	b	63	85	58	8	-	-	5	0	1	-	0	*
Shoeburyness ...	12·7	-18	SE	2	b	62	85	57	8	-	-	1	0	1	-	1	*
Felixstowe ...	12·8	-12	SE'S	3	bc	61	92	58	8	5	-	5	1	4-6	1000	0	2
Gorleston ...	13·2	-6	S	3	b-bc	57	85	53	8	2	7	-	2-3	2-3	2500	0	3
Mildenhall ...	12·8	-2	S	3	c	60	85	54	8	5	-	1	9+	9+	2500	0	*
Cranwell ...	10·1	-4	S'W	3	c-bc	59	85	54	7	5	7	5	Tr	7-8	2300	0	*
Birmingham ...	09·6	-6	S	4	c	57	97	56	8	6	7	-	9	9+	1500	1	*
Upper Heyford	11·0	-10	S	3	c	57	92	55	8	5	-	2	4-6	9	1000	0	*
Ross-on-Wye	09·5	-6	SSW	4	c	59	85	54	7	5	1	8	9+	10	1500	0	*
Hartland Point	09·3	+4	W	5	c	55	92	53	8	2	-	9	7-8	9	800	1	4
Bristol	10·7	-10	SSW	2	c	59	85	54	8	5	7	-	9	9+	2500	0	*
Portland Bill ...	11·7	-12	S	4	c	58	85	54	8	5	-	-	10	10	4000	1	4
Plymouth ...	11·9	+2	WSW	4	c/d	55	97	55	7	8	3	5	4-6	9	1000	0	3
The Lizard ...	11·1	+4	SW	5	c-bc	55	97	55	8	2	6	-	7-8	7-8	2000	1	4
Scilly (St. Mary's)	10·4	+2	SW'W	4	c-bc	56	85	52	7	8	6	-	4-6	7-8	1500	1	4
Guernsey ...																	
Pembroke ...	08·2	0	SW'W	5	cq	55	92	53	7	2	6	-	7-8	10	2500	1	4
Holyhead (Valley)	06·4	-2	S'W	6	bc	54	92	53	7	5	3	2	4-6	4-6	600	1	4
Chester (Sealand)	08·4	+8	W'S	1	c/d	56	85	50	8	5	2	*	9	10	3500	1	*
Manchester ...	08·0	+6	S'E	4	ir	56	85	53	6	6	2	-	9	10	800	1	*
Spurn Head ...	10·9	-14	SSW	5	c-bc	59	85	53	7	7	4	2	4-6	7-8	1500	0	3
Catterick (Sc) ...	07·4	+2	WSW	2	c	56	85	53	8	5	2	-	9	10	1800	0	*
Tynemouth ...	06·6	+6	S	4	c-bc	58	75	51	7	8	-	-	7-8	7-8	2700	1	3
St. Abbs Head	04·6	+10	SW	1	c	53	85	49	8	5	4	-	4-6	9	3500	0	2
Leuchars ...	02·9	+4	SSW	1	c-bc	56	85	50	8	8	3	-	2-3	7-8	3000	1	*
Renfrew (Abbots I.)	03·1	-2	WSW	4	c	56	85	50	7	8	7	-	4-6	9+	1200	1	*
Eskdalemuir ...	03·3	-6	SSW	4	c	52	85	49	7	5	-	-	9+	9+	1100	1	*
Point of Ayre...	04·6	+2	SW	4	bc	57	85	51	8	8	4	-	4-6	4-6	2000	0	3
Tiree	98·4	-6	S	6	c-bc	54	85	50	8	-	9	9	0	7-8	-	0	5
Stornoway ...	96·3	-6	SE	6	c-bc	54	85	50	6	9	6	9	4-6	7-8	1200	1	4
Dalwhinnie ...	01·0	-2	S	2	c	50	85	46	7	5	-	-	9+	9+	1500	1	*
Aberdeen † ...	02·5	+10	SSW	2	c	55	85	50	8	5	7	-	Tr	9+	800	1	1
Wick ...	00·2	+2	S'W	3	c	53	85	47	9	5	7	-	2-3	9	4000	0	*
Sumburgh ..	00·2	+6	S'E	2	c	52	92	50	8	5	7	-	4-6	10	4000	1	2
Blacknod Point	94·8	-14	S'W	7	c/pr	53	92	51	7	9	-	-	9	9	1500	1	5
Malin Head ...	97·6	-10	S	6	c-bc	54	75	47	8	5	-	1	4-6	7-8	1500	2	4
Aldergrove ...	01·6	-6	SSE	4	bc	54	85	50	7	8	4	1	4-6	4-6	1500	1	*
Birr Castle ...	01·5	-6	S	4	bc	55	75	48	8	5	4	-	2-3	4-6	2500	1	*
Valentia Obsy.	00·8	-6	SSW	6	ir	53	85	49	8	2	2	-	7-8	10	2500	1	5
Roches Point	09·3	-2	SW	4	bc	54	85	50	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 19h. Hrs. (38)
London (Kew)	63	55	51	-	-	6·0
Croydon ...	69	54	51	-	-	8·8
S. Farnborough	71	54	48	-	Tr	8·1
Boscombe Down	68	55	52	-	-	7·1
Thorney Island	65	53	46	-	-	*
Lympne ..	64	53	44	-	-	5·5
Manston ...	70	52	48	-	-	9·1
Shoeburyness ...	72	55	51	-	-	8·7
Felixstowe ...	73	51	53	-	-	7·[illegible]
Gorleston ...	75	56	47	Tr	-	5·5
Mildenhall ...	73	56	52	-	-	6·2
Cranwell ...	69	53	50	Tr	-	5·5
Birmingham ...	68	54	47	-	-	5·4
Upper Heyford	72	55	48	Tr	0·1	*
Ross-on-Wye	68	57	52	-	-	2·6
Hartland Point	62	53	52	Tr	2	1·2
Bristol	70	57	53	-	-	8·0
Portland Bill ...	58	53	*	-	-	*
Plymouth ...	60	55	54	Tr	0·6	0·0
The Lizard ...	61	53	*	-	1	0·2
Scilly (St. Mary's)	63	53	*	-	1	7·4
Guernsey ...						
Pembroke ...	59	50	*	Tr	6	2·7
Holyhead (Valley)	61	51	51	0·5	5	*
Chester (Sealand)	71	54	53	Tr	1	5·6
Manchester ...	69	55	53	1	0·1	*
Spurn Head ...	70	53	*	-	-	6·0
Catterick (Sc) ...	67	56	54	Tr	-	4·7
Tynemouth ...	67	57	50	1	-	*
St. Abbs Head	65	51	*	Tr	1	*
Leuchars ...	65	52	47	0·3	1	6·7
Renfrew (Abbots I.)	62	51	48	3	3	2·6
Eskdalemuir ...	57	48	47	2	12	0·0
Point of Ayre...	68	52	*	1	Tr	1·8
Tiree	58	51	48	3	*	3·4
Stornoway ...	55	50	47	5	1	0·7
Dalwhinnie ...	58	47	37	0·6	3	3·0
Aberdeen † ...	68	53	51	0·4	Tr	8·8
Wick ...	60	50	45	0·4	0·1	*
Sumburgh ..	55	51	48	0·1	0·3	3·6
Blacknod Point	60	43	*	9	4	*
Malin Head ...	61	51		3	0·1	0·4
Aldergrove ...	63	50	47	2	1	0·5
Birr Castle ...	65	50	47	4	-	1·6
Valentia Obsy.	60	52	49	5	1	3·2
Roches Point	57	58		5	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th June ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	02855	24226	57	02855	15227
115	--	67009	20269	51	10844	20128
203						
206	40	02953	22417	52	02855	20268
210	17	02962	22427	47	22863	10368
219	57	02854	18567	02	21628	18668
280	62	62645	00068	52	22346	22368
245	77	02964	22415	62	52635	13468
260	51	02755	22216	57	22755	51468
278	57	21855	18468	57	62647	41428
279	5-	52528	53758	52	02736	53858
285	52	58625	24526			
288	79	02855	25226	10	01863	51513
575	62	52525	51558	27	02854	22325
301	67	21725	54567	57	01852	53415
321	57	02794	55427	10	01854	53414
290	8-	02747	22427	10	01753	22413
292	57	02744	54427	24	01754	52424
310						
614	17	22753	22364	40	01854	55514

01h. G.M.T. 20th June ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	01744	21264	53	02855	17226
115	51	02844	53528	52	81844	20486
203				8-	82847	12587
206	53	01954	00024	87	02865	00025
210	53	02865	21266	57	02763	18326
219	57	05656	17527	86	15686	96355
280	57	02752	00067	86	01944	18324
245	57	52745	18457	89	02861	17457
260	53	01845	22525	53	01753	18324
278	57	02747	18367	57	01832	17324
279	5-	62628	53668	56	02765	18526
285						
288	53	02854	48526	52	02747	49428
575	52	02855	16428	5-	61757	18327
301	57	64655	18567	57	21656	15457
321	07	05690	17227	17	02852	18327
290	54	01754	22514	04	01790	22214
292	57	05663	51325	57	02765	14427
310						
614	57	05644	18327	57	02755	18327

13h. G.M.T. 19th June ... 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	53	01745	51664	57	02745	52528
334						
340	77	01954	55624	57	02364	53525
136	5-	02846	20468	50	01861	21511
386	57	62756	20516			
350	57	01854	54414	40	01853	18413
368	7-	02845	22415			
379	5-	02844	53655			
390	10	01751	55421	10	01764	18414
382	1-	02856	22426	10	01853	53423
438	5-	02757	22727	23	01753	24314
430	5-	02745	19528	5-	02855	22425
409	57	02865	41627	53	02856	50526

01h. G.M.T. 20th June ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	62	54406	51468	1-	01744	51524
334						
340	52	02856	18528	52	51844	18458
136	50	05652	20413	50	01763	17415
386						
350	5-	02757	18317	14	02861	17326
368	53	02854	24215	5-	62438	22368
379	5-	02855	20327	5-	02835	20428
390	10	05641	00013	57	05544	12246
382	57	02865	17127	5-	02835	18227
438	00	00790	18210	50	01763	18313
430	57	05653	00027	5-	01752	14316
409	57	02735	17527	5-	02855	21325

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 20th June
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	cbc	bcc	bcb cw	
Croydon ...	cbcc	cbcc	bcw bcc	
Greenwich ...	cbcy	bcy	cbc	
Camden Square	c	c	*	Kew 24 hours ended 9h. Max. 20·1 Min. Time whole period
Kensington ...	bc	bcc	*	
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	69	55	51	-	-	6·0	*	*
Croydon ...	69	54	51	-	-	8·8	*	*
Greenwich ...	73	52	45	-	-	8·2	54	65
Westminster ..	72	55	53	-	-		71	73
Regents Park ..								
Camden Square	73	55	50	-	-	*	*	65
Kensington ...	73	55	50	-	-		68	71
Hampstead ...							*	

Page 1 BRITISH SECTION

SECRET

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

Monday 21st June 1943

No. 29796

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·8	+4	SW	5	c	68	65	56	8	8	9	6	7-8	9+	2500
	Croydon	11·7	-2	SSW	4	c	70	55	56	8	7	-	3	7-8	9	2500
	S. Farnborough	11·9	+10	SW	4	c	67	65	57	9	8	7	6	7-8	9	1800
	Boscombe Down	11·2	-6	SSW	4	c-bc	68	55	51	8	2	-	8	4-6	7-8	2500
	Thorney Island	12·5	+2	SSW	5	c	65	55	50	9	8	-	5	2-3	10	2500
	Lympne	11·7	+6	S	3	bc	69	85	64	8	-	-	3	0	4-6	-
	Manston	11·5	-6	SW	5	bc	75	45	55	8	-	4	6	0	4-6	-
2	Shoeburyness	11·5	-16	SSW	4	b-bc	77	55	60	9	1	4	4	Tr	2-3	2500
	Felixstowe	10·5	-10	SSE	4	bc	69	85	62	8	1	-	6	Tr	4-6	4000
	Gorleston	09·6	-18	SSE	5	bc	63	85	59	7	1	4	1	2-3	4-6	2500
	Mildenhall	09·4	-8	SWW	3	bc	74	55	57	8	1	-	2	2-3	4-6	2500
	Cranwell	08·9	-4	WSW	3	ir₀	65	75	57	7	7	-	-	9+	9+	2000
3	Birmingham	09·0	-2	SW	4	bc	64	55	49	8	7	-	1	4-6	4-6	2500
	Upper Heyford	09·9	-2	SW	4	bc/r	64	75	54	7	5	-	1	4-6	4-6	1500
4	Ross-on-Wye	09·6	-4	WSW	5	bbcq	64	55	46	8	1	-	1	2-3	2-3	3500
5	Hartland Point	09·4	0	WSW	6	bc	57	85	50	7	2	6	-	4-6	4-6	1500
	Bristol	10·4	-4	W	3	bc	67	55	52	8	2	-	1	4-6	4-6	2500
	Portland Bill	13·2	+10	WSW	4	c	58	85	54	8	5	-	-	10	10	4000
	Plymouth	12·9	+4	WSW	4	b-bc	60	85	55	8	2	-	2	2-3	2-3	2500
	The Lizard	22·7	+8	WSW	5	bc	61	75	54	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	11·2	+6	SWW	5	bc	62	65	49	7	8	6	-	2-3	4-6	1500
	Guernsey															
6	Pembroke	08·3	0	SW	5	cq	57	85	51	7	2	6	-	4-6	9	2500
7	Holyhead (Valley)	06·4	+2	S'W	7	bbc	60	75	52	7	2	6	5	1	2-3	1500
	Chester (Sealand)	07·4	-4	SW'W	4	c-bc	66	45	42	8	8	-	-	7-8	7-8	3000
8	Manchester	07·4	-10	S'W	4	bc	64	55	46	8	2	6	1	4-6	4-6	2500
10	Spurn Head	09·0	-2	SW'S	4	c-bc	67	65	56	7	7	3	-	4-6	7-8	1500
	Catterick (Sc)	06·5	-10	SW	4	bc	66	55	51	8	2	-	-	4-6	4-6	3000
	Tynemouth	06·4	-4	SW	3	c-bc	57	75	50	7	2	-	-	7-8	7-8	2700
11	St. Abbs Head	03·6	-6	SSW	4	c-bc	63	55	48	8	2	4	-	4-6	7-8	3000
	Leuchars	02·7	0	WSW	5	pr	62	55	46	8	3	3	-	4-6	7-8	2500
12	Renfrew (Abbots I.)	02·1	-6	S'W	5	c	63	55	47	8	2	3	-	7-8	9+	2500
	Eskdalemuir	03·4	0	SSW	7	c-bc	57	65	46	8	2	-	-	7-8	7-8	3200
	Point of Ayre	04·0	-6	SW	6	b-bc	55	55	40	8	1	-	9	1	2-3	2000
13A	Tiree	97·4	-8	S	6	r₀r₀	55	85	51	7	8	-	-	7-8	9+	2000
13B	Stornoway	96·9	+2	S	6	c	58	85	54	8	8	-	-	9	9	2000
15	Dalwhinnie	99·6	-6	SW	5	c-bc	56	65	44	7	7	4	-	7-8	7-8	2500
	Aberdeen	02·3	0	S	4	cbcjp	59	65	49	7	3	6	3	2-3	7-8	3500
	Wick	99·9	-6	S	3	b-bc	60	65	49	9	8	4	-	2-3	2-3	2500
16	Sumburgh	01·1	+4	S	3	bc	54	92	53	8	8	3	5	2-3	4-6	3000
17	Blacksod Point	94·5	-6	SSW	5	ir₀	54	85	50	7	6	-	-	10	10	1500
18	Malin Head	95·8	-14	SSW	6	c	57	65	46	8	8	-	-	10	10	1500
	Aldergrove	99·6	-14	S'W	4	c/pr	57	75	49	8	8	1	-	7-8	9+	2000
19	Birr Castle	00·2	-10	SSW	4	pr	57	85	53	7	9	2	-	7-8	10	800
20	Valentia Obsy.	01·8	+14	SWW	6	bc/pr	59	75	52	8	3	4	-	4-6	4-6	2500
	Roches Point	03·4	-4	SW	6	c/pr	54	92	52	7	3	1	-	4-6	9	1500

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

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)	12·1	+10	SW	4	c	64	55	44	8	8	-	6	1	9+	2500	1	*
Croydon	03·0	+4	SSW	4	c	64	45	43	8	5	-	6	Tr	9+	3500	0	*
S. Farnborough	12·7	+6	SW'S	4	c	63	55	46	8	1	-	8	1	9	2000	0	*
Boscombe Down	12·5	+6	SW'S	5	c	61	55	47	8	1	-	6	1	9	3000	0	*
Thorney Island	14·1	+4	SW	4	c-bc	60	66	47	9	1	5	6	1	7-8	2500	0	*
Lympne	13·4	+4	W'S	3	c	62	65	51	8	5	7	7	Tr	10	5000	0	§3
Manston	12·2	+4	WSW	4	c	67	55	49	8	4	7	7	0	9+	-	0	*
Shoeburyness	12·3	+6	SW	4	c	66	55	49	9	-	5	6	0	9	-	0	*
Felixstowe	11·1	+6	SW	4	c	69	45	47	8	5	7	6	2-3	9+	5700	0	4
Gorleston	09·0	0	SSW	4	c	74	55	55	7	7	4	9	4-6	9	2800	0	4
Mildenhall	09·8	+6	SW	4	c-bc	69	45	46	8	1	-	6	1	7-8	2500	0	*
Cranwell	09·0	+4	SW	5	bc	65	45	45	8	2	-	5	4-6	4-6	3000	1	*
Birmingham	09·8	+2	SW	4	bc	63	45	43	8	1	—	1	2-3	4-6	2500	1	*
Upper Heyford	10·2	+6	SW	4	c-bc	63	65	50	8	1	-	2	4-6	7-8	2800	0	*
Ross-on-Wye	10·6	+4	W'N	3	b-bc	61	65	48	8	1	-	-	2-3	2-3	4000	0	*
Hartland Point	09·6	0	W	6	bc	57	85	51	7	2	6	-	2-3	4-6	1500	0	5
Bristol	10·7	+4	WSW	4	c	61	55	46	8	8	-	-	9	9	2100	1	*
Portland Bill	14·1	+4	SW	4	c-bc	57	85	53	8	5	-	-	7-8	7-8	4000	1	4
Plymouth	13·7	+2	WSW	4	bc	58	85	54	7	2	-	-	4-6	4-6	2000	0	3
The Lizard	13·5	+2	WSW	6	b-bc	57	85	52	8	2	-	-	2-3	2-3	2500	0	
Scilly (St. Mary's)	12·2	+6	SW'W	5	c	58	75	50	7	8	6	-	7-8	9	1500	0	5
Guernsey																	
Pembroke	08·9	0	SW'W	6	cq	56	92	54	8	8	-	-	9+	9+	2500	0	5
Holyhead (Valley)	05·8	-2	S'W	7	z₀	58	75	51	6	8	6	-	7-8	7-8	1000	1	5
Chester (Sealand)	07·7	+2	WSW	4	bc	62	55	47	7	8	4	-	4-6	4-6	3000	0	*
Manchester	07·6	+4	S'W	5	bcjp	63	55	42	9	2	6	-	4-6	4-6	2000	0	*
Spurn Head	08·5	+2	SW	5	bc	67	92	65	7	7	4	-	4-6	4-6	1500	0	3
Catterick (Sc)	05·9	+2	SSW	4	c-bc	63	65	49	8	8	-	-	7-8	7-8	3000	0	*
Tynemouth	06·5	0	SW	4	bc	65	55	50	7	2	-	-	4-6	4-6	2700	0	2
St. Abbs Head	03·4	0	SSW	3	pr	61	55	46	9	5	2	-	4-6	9	3000	0	3
Leuchars	02·2	-4	SSW	5	pr	59	65	46	8	5	7	-	7-8	9+	2000	0	*
Renfrew (Abbots I.)	00·7	-8	S	4	ir₀	56	85	52	8	5	7	-	7-8	9+	800	1	*
Eskdalemuir	03·9	0	SSW	7	RR	52	85	47	6	-	2	-	10	10	900	1	*
Point of Ayre	02·3	-12	SW	6	c	59	75	52	8	6	-	9	4-6	9+	800	0	4
Tiree	96·1	-4	SW	5	c/pr	55	85	50	8	9	6	8	4-6	9	1500	1	5
Stornoway	96·9	+2	S	3	PR	52	92	50	6	8	-	-	10	10	1200	1	3
Dalwhinnie	99·0	-4	SSW	4	ir	51	85	47	7	5	2	-	4-6	10	2500	1	
Aberdeen	01·8	-2	S	3	b	60	65	45	8	2	4	-	1	1	3500	0	3
Wick	99·6	-2	SE	3	c-bc	57	65	46	9	8	4	-	4-6	7-8	4000	0	*
Sumburgh	10·3	-2	S	3	b	55	85	52	8	5	-	-	1	1	3000	0	2
Blacksod Point	99·6	+50	WNW	6	pr	52	85	48	7	9	-	-	9+	9+	1500	1	5
Malin Head	94·7	-4	S'W	3	pr	53	85	49	8	8	-	-	9+	9+	1500	2	2
Aldergrove	97·5	-6	S'W	4	pr	56	85	50	7	3	-	-	7-8	9+	1500	1	*
Birr Castle	02·2	+18	W	3	pr	57	75	50	8	9	-	-	7-8	7-8	800	1	*
Valentia Obsy.	06·3	+24	W	6	cjp	56	85	52	8	8	3	-	9	9+	2500	1	5
Roches Point	05·5	+12	W'S	5	bc/pr	58	85	54	8	3	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 20th (39)	Weather 13h.—18h. 20th (40)	Weather 18h 20th to 1h. 21st (41)	Weather 1h.–7h. 21st (42)
London (Kew)	cbcc	cy	cybc	bcc
Croydon	cbcye	ccy	cyebc	bcwc
S. Farnborough	c	ccy ⊕	cybbc	bcwc
Boscombe Down	ccid₀c	bcyey	cybc	bccbc
Thorney Island	c	c	bcc	bc
Lympne	bcc	c	cbc	cwc
Manston	bbcy	bccy	cyc	c
Shoeburyness	bcwcbcy	bcyc	cbc	cbc
Felixstowe	bcbbc	bcey	bcc	cbc
Gorleston	bc	bcc	cbcc	cbc
Mildenhall	bcbcy	bcycy	cbcybc	bc
Cranwell	cir₀	cbby	bc	bcc
Birmingham	or₀r bc	bc	bc	pr₀bc
Upper Heyford	ccir₀	bcby	bcbbc	bc
Ross-on-Wye	cid₀bc	bcy	bbcb	bccbc
Hartland Point	cbc	bc	bccpr	cr₀bc
Bristol	cid₀cr₀r₀c	bcybcc	cybccbc	ccid₀pr₀c
Portland Bill	c	c	c	c
Plymouth	bcb	bc	bm₀cpr₀	cpr₀c
The Lizard	cbc	bc	cbcc	cr₀r₀r₀c
Scilly (St. Mary's)	cbc	bcc	cp₀cw	c
Guernsey				
Pembroke	cm₀q	bccpr₀	cq	bc
Holyhead (Valley)	bcbbc	bccpr₀c	cpr₀bc	bcb
Chester (Sealand)	c, bcy	cbcypr₀	bcybc	bbc
Manchester	ird₀d₀bc	bcpr₀y	pr₀cbc	bccpr₀
Spurn Head	c	bc	bc	bc
Catterick (Sc)	cbcy	bcyc	c	bcc
Tynemouth	cm₀	cbc	bc	bcc
St. Abbs Head	cbc	bccpr	cprbcc	cprbc
Leuchars	cbcpr₀y	cpr₀ybccpr₀	cir₀cbcc	cbcpr₀bcc
Renfrew (Abbots I.)	ccy	cyrrcr₀r₀	r₀r₀prcm₀	cm₀prpr₀bc
Eskdalemuir	cpr₀c	oRRm₀	oRm₀e	cr₀ir₀
Point of Ayre	cbcby	bcir₀c	cprbcb	bRRc
Tiree	cr₀r₀ccpr	cpr₀prpr₀	ccprcd₀d₀	cpr₀bc
Stornoway	cpr₀c	cpr₀ctdr₀	cprpr₀c	cd₀d₀cpr₀
Dalwhinnie	oirc	cbcir₀		oirc
Aberdeen	cbccjp	bcjpbcby	bbccr₀c	cbccjp
Wick	bcb	bcc	cbc	bccpr₀c
Sumburgh	cir₀cbc	bcb	cir₀r₀r₀	bcc
Blacksod Point	r	pr	bc	bc
Malin Head	c	pr	pr	pr
Aldergrove	bccprc	ccprc	cPR	bcbbc
Birr Castle	pr	pr		bc
Valentia Obsy.	pr	bc	pr	bc
Roches Point	pr	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 21st June 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Moderate westerly winds, decreasing and backing; fair, becoming mainly cloudless this evening; rather warm.
8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Fresh westerly winds, moderating, backing in the west; scattered thundery showers today, becoming fair in the west and fine in the East, rather cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh or strong westerly winds moderating; thundery showers generally becoming scattered showers in west and fair in east; rather cool.
16 Orkneys and Shetlands	As 13A – 15.
17 N. W. Ireland; 18 N. E. Ireland	Moderate westerly winds, backing slowly; scattered showers at first becoming fine tonight; local rain in northwest later; rather cool.
19 S. E. Ireland; 20 S. W. Ireland	Moderate westerly winds, backing slowly; fair or fine at first, cloudy in west tomorrow; rather cool.

GENERAL INFERENCE

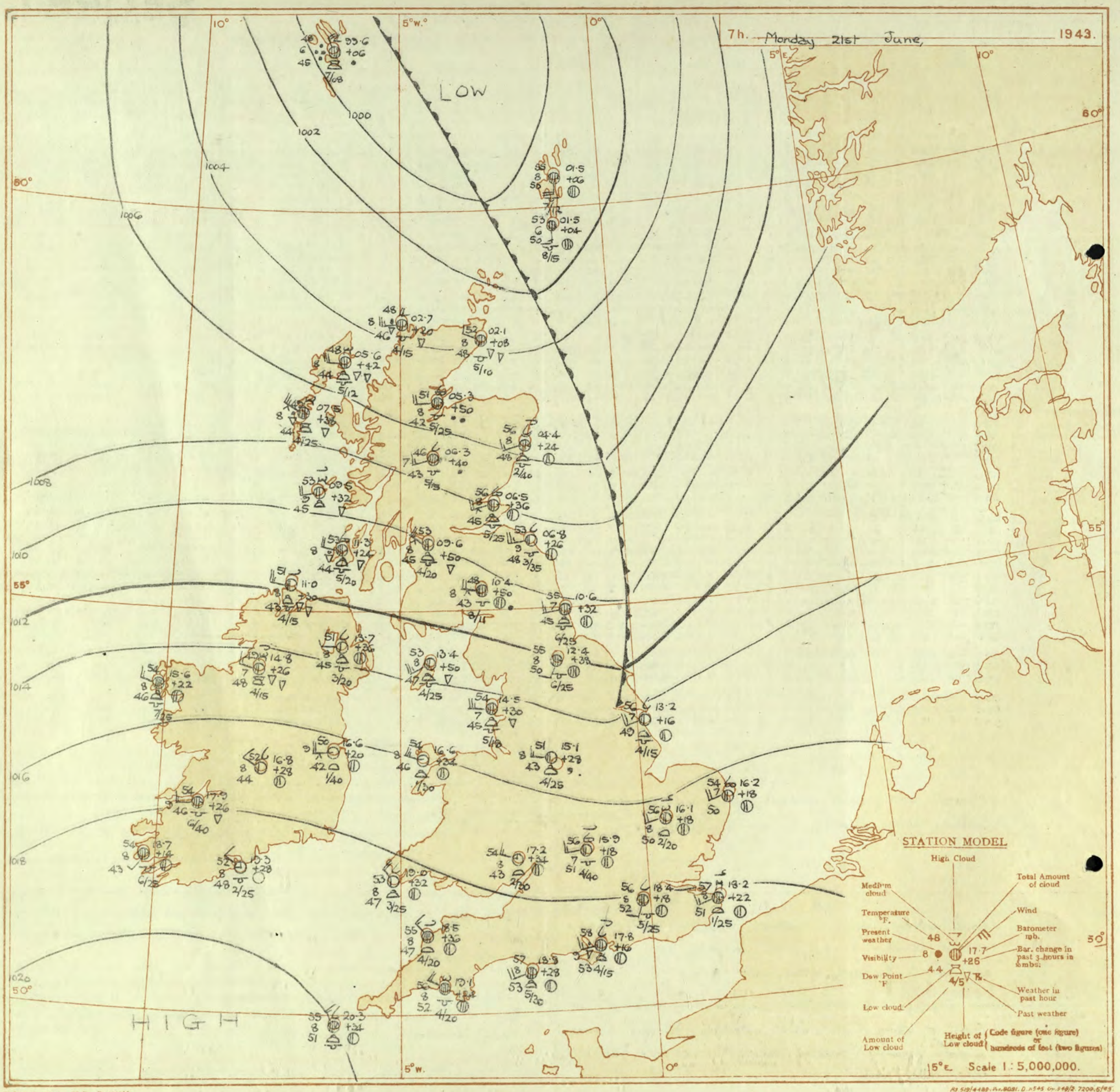
A deepression north of Scotland is moving north-northeast and filling slowly. An anticyclone is developing in the Bay of Biscay and pressure is rising generally over the British Isles. There will be thundery showers in the North, and weather will be fair in the South.

FURTHER OUTLOOK

Rain in Ireland and western districts of Scotland; fine and warm elsewhere.

Forecasts issued at 10·30

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

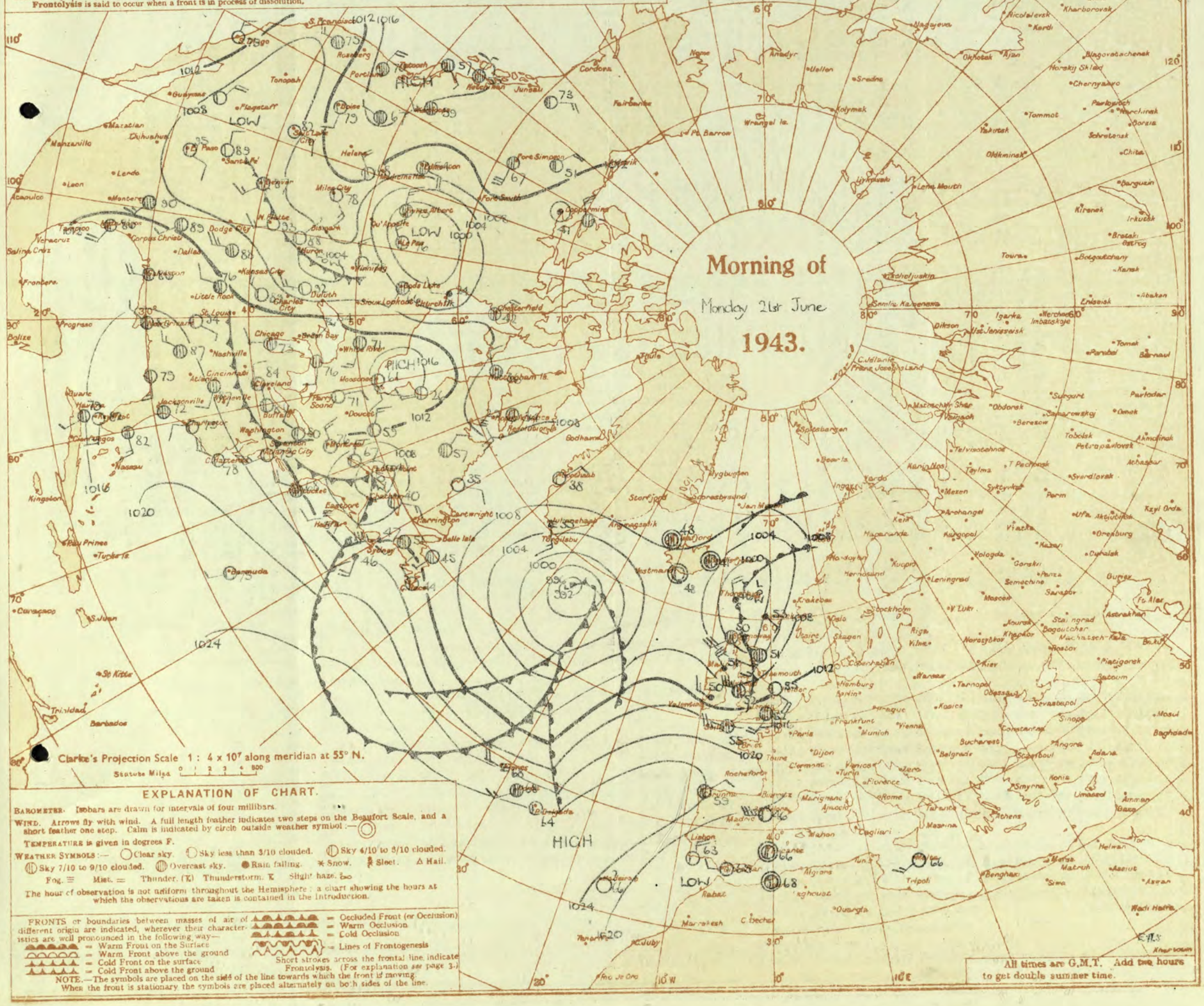
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



BRITISH SECTION

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

Monday 21st June 1943

No. 29796

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

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	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·0	+6	SSW	2	c	52	92	49	7	-	-	6	0	9+	-
	S. Farnborough	226	15·3	+8	SW	3	b-bc	53	85	49	8	-	4	5	0	2-3	-
	Boscombe Down	417	15·6	+10	S'W	2	bc	49	97	48	7	5	-	2	2-3	4-6	4000
	Thorney Island	10	15·6	+2	SW'S	3	bc	56	85	50	8	1	-	6	2-3	4-6	1500
	Lympne ..	283	16·0	0	SW	3	bc	53	92	50	7	5	-	-	4-6	4-6	3000
	Manston ...	154	15·4	+6	SW'W	2	c	55	86	49	8	5	7	7	7-8	10	7000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·1	+6	SW	4	c	57	85	51	8	-	7	-	0	9	-
	Gorleston ...	5	13·1	+6	SW	2	c-bc	57	75	48	7	-	7	-	0	7-8	-
	Mildenhall ...	15	13·6	+6	SW'S	3	bc	53	85	48	8	-	4	6	0	4-6	-
	Cranwell ...	203	11·8	+6	SW	5	bc	53	75	47	8	-	1	1	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·5	+6	SW	3	b-bc	51	85	47	8	5	-	1	1	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·7	+12	W	5	c-bc/pr	55	97	54	7	2	6	-	4-6	7-8	1500
	Bristol ...	209	13·7	+2	SW	3	bc	53	85	49	7	4	-	-	4-6	4-6	4000
	Portland Bill ...	32	15·6	+10	SW	4	c-bc	56	92	54	8	5	-	-	7-8	7-8	4000
	Plymouth ...	86	15·3	+2	W	4	c/pr	55	97	55	6	5	-	-	9	9	1500
	The Lizard ...	240	15·1	+6	WSW	5	c-bc	54	65	44	8	5	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	15·0	+8	W	5	c-bc/r	55	92	53	7	8	-	-	7-8	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	11·8	+12	NW	5	c9/pr	55	92	52	7	8	-	-	10	10	1500
7	Holyhead (Valley)	32	09·4	+22	W	7	bc/pr	52	75	43	9	9	-	-	4-6	4-6	4300
	Chester (Sealand)	16	08·7	+2	WSW	3	c-bc	55	75	47	7	5	-	-	7-8	7-8	2500
8	Manchester ...	230	09·5	+6	S'E	4	b-bc	52	85	48	7	4	-	-	2-3	2-3	2500
10	Spurn Head ...	29	11·0	+6	SW'S	4	b-bc	55	75	47	7	4	3	-	1	2-3	1500
	Catterick (Sc.) ...	192	07·6	+2	SSW	2	bc	54	85	49	7	5	3	-	4-6	4-6	3000
	Tynemouth ...	108	06·5	0	S	4	bc	55	75	46	7	8	3	-	2-3	4-6	2500
11	St. Abbs Head	280	03·6	+2	S	4	c-bc	54	85	50	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	01·5	-2	S	3	c-bc	55	85	49	8	8	3	-	4-6	7-8	2000
12	Renfrew (Abbotsl.)	19	02·1	+14	SSW	3	2.	54	92	51	6	8	-	-	4-6	9	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	05·0	+10	W	5	b	51	85	47	8	4	4	-	Tr	1	2000
13A	Tiree	44	01·1	+36	NW'W	6	d.d.	50	97	49	7	5	-	-	10	10	1200
13B	Stornoway ...	12	98·1	+8	SSW	2	c	50	97	49	7	5	7	-	7-8	9	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01·4	0	S'W	3	c-bc	51	85	48	8	4	-	-	7-8	7-8	3000
	Wick ...	114	99·1	-4	S'E	5	bc	52	92	50	8	5	4	-	2-3	4-6	2000
16	Sumburgh ..	19	01·2	0	SSE	4	r.r.	52	85	49	8	5	1	-	7-8	9+	3000
17	Blacksod Point	18	11·2	+38	WNW	5	bc	51	75	43	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	84	03·8	+66	NW	6	pr	51	85	46	7	8	-	-	9+	9+	1500
	Aldergrove ...	268	04·8	+34	WSW	3	PR	50	97	49	6	8	-	-	9+	9+	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·4	+30	NW'W	3	b-bc	52	65	40	8	2	-	-	2-3	2-3	2500
	Roches Point	22	14·0	+38	NW	4	b	50	85	45	8	5	-	-	1	1	2500

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

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	+18	WSW	2	c	58	75	50	7	8	-	-	9+	9+	2500	1	*
	Croydon ...	18·4	+18	SSW	2	c-bc	56	85	52	8	5	4	-	7-8	7-8	2500	0	*
	S. Farnborough	17·7	+20	W	3	c	58	75	50	8	7	7	-	4-6	9	2000	0	*
	Boscombe Down	17·5	+14	SW	2	b-bc	55	85	51	7	2	3	-	2-3	2-3	2500	0	*
	Thorney Island	17·8	+16	WSW	3	pr	58	85	53	9	2	4	3	4-6	7-8	1500	0	*
	Lympne ..	18·6	+10	SW	3	c	56	92	53	8	5	4	-	9	9+	900	0	*4
	Manston ...	18·2	+22	SW'W	3	c	57	85	51	8	1	8	8	Tr	9	2500	0	*
2	Shoeburyness ...	17·5	+14	SSW	3	b-bc	59	75	52	8	1	4	2	Tr	2-3	4000	0	*
	Felixstowe ...	17·6	+20	SW	4	bc	58	85	52	7	1	-	5	2-3	4-6	4000	0	3
	Gorleston ...	16·2	+18	SW'W	3	bc	54	85	50	7	-	7	-	0	4-6	-	0	3
	Mildenhall ...	16·1	+18	SW	4	bc	56	75	50	8	1	3	8	1	4-6	2000	0	*
	Cranwell ...	15·4	+30	W	4	c-bc	57	75	50	7	8	-	-	7-8	7-8	2000	1	*
3	Birmingham ...	16·6	+34	WNW	4	bc	52	97	51	8	1	-	-	4-6	4-6	1500	1	*
	Upper Heyford	15·9	+18	WSW	3	bc	56	85	51	7	5	7	1	4-6	4-6	4000	0	*
4	Ross-on-Wye	17·2	+34	WNW	3	b	54	65	43	8	1	-	-	1	1	3000	0	*
5	Hartland Point	18·5	+36	NW	3	c	55	75	47	8	1	-	-	4-6	10	2000	1	4
	Bristol ...	17·7	+30	WSW	3	c	56	85	52	8	2	6	-	7-8	9	1500	1	*
	Portland Bill ...	18·8	+28	SW	4	c-bc	57	92	53	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth ...	19·1	+24	WNW	4	c	56	85	52	8	5	3	-	4-6	9+	2000	0	3
	The Lizard ...	19·1	+22	NW	3	c-bc	54	85	50	8	7	-	-	7-8	7-8	2000	0	4
	Scilly (St. Mary's)	20·3	+34	NW'N	3	c	55	85	51	8	8	4	-	7-8	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	19·0	+32	NW'N	4	b-bc	53	85	47	8	1	4	-	2-3	2-3	2500	0	3
7	Holyhead (Valley)	16·6	+34	WNW	5	b	54	75	46	8	2	-	-	Tr	Tr	3000	1	4
	Chester (Sealand)	15·6	+34	WNW	3	c	53	65	44	8	5	7	-	4-6	9	2500	0	*
8	Manchester ...	15·1	+34	SW	3	c/pr	50	85	46	8	4	-	-	9+	9+	2000	0	*
10	Spurn Head ...	13·2	+16	SW	4	bc	56	75	49	7	7	4	2	4-6	4-6	1500	0	3
	Catterick (Sc.) ...	12·4	+38	SSW	2	c	55	85	50	8	5	-	-	9	9	2500	0	*
	Tynemouth ...	10·6	+32	WSW	3	c	55	65	45	7	8	-	-	9	9	2500	0	2
11	St. Abbs Head	06·8	+26	WSW	5	bc	53	85	48	9	5	4	-	2-3	4-6	3500	0	4
	Leuchars ...	06·5	+36	WSW	4	c	55	65	45	8	8	7	-	7-8	9	2500	0	*
12	Renfrew (Abbotsl.)	09·6	+50	WNW	5	bc	53	75	45	8	8	-	-	4-6	4-6	2000	1	*
	Eskdalemuir ...	10·4	+50	W	3	c/r	48	85	43	8	5	-	-	10	10	1100	1	*
	Point of Ayre ...	13·4	+50	WNW	5	bc	53	75	47	8	8	-	-	4-6	4-6	2500	1	4
13A	Tiree	09·5	+32	W	4	bc	53	75	45	9	2	6	1	2-3	4-6	2500	0	4
13B	Stornoway ...	05·6	+42	W	6	c-bc/pr	48	85	44	8	8	6	-	7-8	7-8	1200	1	4
15	Dalwhinnie ...	06·3	+40	W'S	3	c	46	92	43	7	5	4	-	7-8	9+	1500	1	*
	Aberdeen † ...	04·4	+24	SW'W	3	c/p	56	75	48	8	8	9	3	1	9+	4000	1	2
	Wick ...	02·1	+8	WNW	2	c/pr	52	85	48	8	5	-	-	7-8	10	1000	1	*
16	Sumburgh ..	01·5	+4	S	3	c	53	85	50	6	5	-	-	10	10	1500	0	2
17	Blacksod Point	15·6	+22	WNW	3	c	54	75	47	8	8	-	-	9+	9+	2500	1	3
18	Malin Head ...	11·0	+30	WNW	5	bc/pr	51	75	44	8	8	-	1	4-6	4-6	1500	2	4
	Aldergrove ...	13·7	+36	W	2	b-bc	51	75	45	8	8	4	-	2-3	2-3	2000	1	*
19	Birr Castle ...	16·8	+28	WNW	2	b-bc	52	75	45	8	-	4	-	0	2-3	-	1	*
20	Valentia Obsy.	18·7	+14	SW'S	1	c	54	65	42	8	5	-	-	9	9	2500	1	3
	Roches Point	19·3	+28	WNW	2	b	52	85	48	8	5	-	-	1	1	2500	1	3

PAST 24 HOURS.

District	Stations	Temperatures Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
1	London (Kew)	69	53	46	-	-	9·4
	Croydon ...	73	50	47	-	-	7·7
	S. Farnborough	70	51	44	-	Tr	11·8
	Boscombe Down	68	47	47	-	-	8·8
	Thorney Island	68	55	50	-	-	*
	Lympne ..	71	51	46	-	-	11·6
	Manston ...	76	57	49	-	-	12·0
2	Shoeburyness ...	77	54	49	-	-	12·0
	Felixstowe ...	77	53	53	-	-	13·7
	Gorleston ...	75	52	48	-	-	9·0
	Mildenhall ...	76	51	46	-	Tr	11·8
	Cranwell ...	67	51	47	Tr	-	7·8
3	Birmingham ...	65	51	48	1	0·2	8·2
	Upper Heyford	68	49	40	Tr	Tr	*
4	Ross-on-Wye	66	52	48	Tr	-	9·1
5	Hartland Point	58	52	50	-	1	10·7
	Bristol ...	68	51	46	0·5	0·2	5·9
	Portland Bill ...	58	53	*	-	-	*
	Plymouth ...	61	53	50	-	Tr	11·7
	The Lizard ...	61	53	*	-	Tr	12·0
	Scilly (St. Mary's)	62	53	*	-	-	12·4
	Guernsey ...						
6	Pembroke ...	58	50	45	Tr	1	7·6
7	Holyhead (Valley)	61	49	47	Tr	-	*
	Chester (Sealand)	68	51	47	Tr	Tr	7·7
8	Manchester ...	68	49	46	0·6	Tr	*
10	Spurn Head ...	69	52	*	-	-	12·6
	Catterick (Sc.) ...	69	50	47	-	-	7·0
	Tynemouth ...	67	53	50	-	-	*
11	St. Abbs Head	64	50	*	Tr	Tr	*
	Leuchars ...	66	52	49	Tr	0·6	8·2
12	Renfrew (Abbotsl.)	65	50	46	1	1	5·5
	Eskdalemuir ...	59	46	44	2	8	6·2
	Point of Ayre ...	65	50	*	Tr	2	7·9
13A	Tiree	56	48	46	6	1	1·8
13B	Stornoway ...	59	47	45	5	6	1·3
15	Dalwhinnie ...	60	45	40	3	13	4·1
	Aberdeen † ...	61	52	48	-	0·1	9·7
	Wick ...	62	50	47	-	1	*
16	Sumburgh ..	57	51	48	Tr	Tr	8·1
17	Blacksod Point	58	47	*	3	2	*
18	Malin Head ...	63	48		6	2	3·2
	Aldergrove ...	60	46	42	2	2	6·0
19	Birr Castle ...	60	46	41	5	0·5	6·7
20	Valentia Obsy.	60	50	43	3	Tr	5·6
	Roches Point	59	49		0·6	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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
	13h. G.M.T. 20th June				18h. G.M.T.				01h. G.M.T. 21st June				07h. G.M.T.			
109	3	4	01853	48514	2	4	01753	47415	5	7	02755	48466	5	2	02945	23168
115	8	7	02844	20326	5	5	81844	12386	8	2	81844	20389	5	2	81844	24587
203																
206	2	6	25966	18487	8	6	02854	51627	5-		61857	00029	5	7	22855	24466
210	2	6	02964	18425	2	7	02963	16427	5	3	02863	14125	6	2	62843	25467
219	9	1	81756	16688	8-		25866	16386	8-		25748	61688	3	6	81854	58587
230	8	3	25855	17387	8	7	81755	14387	9-		25858	20388	8-		02954	23384
245	2	6	01954	49514	8	9	02864	51515	5	3	02754	17365	8	6	02744	24386
260	2	0	25864	17584	5	2	61743	49528	5	3	01754	16414	8	3	02754	57525
278	2	7	92842	47527	5	7	61733	49567	5	7	02845	20487	8	0	02847	5848-
279	2	4	02844	18624	5	2	62745	18688	5	3	14645	53766	7	3	01864	57554
285													2	3	81635	22587
288	8-		02755	51425	5	3	01852	20423	5	4	01862	16513	8-		02855	18525
575	9	6	22844	51366	9	6	81744	51485	9	6	02745	25425	3	6	25744	24384
301	2	6	01853	17513	8	6	02855	19615	8-		02756	18685	8	4	02745	24585
321	8	6	25754	18484	1	4	01763	55484	0	3	01790	19414	8	4	02754	22384
290	8	7	02746	18426					4	4	01753	22413	2	4	01754	22314
292									5	0	01762	17222	8	6	02865	21356
310																
614	7	0	05654	20214	1	0	01853	53414	5-		05656	18326	8-		05654	59424

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
	13h. G.M.T. 20th June				18h. G.M.T.				01h. G.M.T. 21st June				07h. G.M.T.			
368	2	3	01753	51514	5	7	02755	02757	8-		05657	51427	2	0	01853	26423
384													--		02643	26314
340	7	0	01964	51524	7	3	25963	53614	5	7	25844	20285				
136	5	3	02865	21416	2	0	02863	22417	0	4	01890	20214	1	4	01741	18314
336													1	0	01764	24414
360	5	7	02855	22427	1	0	02863	53427	0	0	01890	20313	1	7	01745	21315
368	2	4	01754	20364					5	7	02644	22517	5	3	01863	25314
370	1	0	01854	51654									5	7	02726	22417
390	1	0	01763	18414	0	0	01890	18525	0	0	05690	20224	1	0	05654	20224
382	8	0	22854	23364					5	4	01761	21224	7	7	02855	22225
438	5	4	01743	22414	5	7	02754	22616					8	0	02755	22315
430	5	7	02855	20425	4	0	02851	53425	5-		02744	20426	8	3	02746	22226
409	2-		01853	53513	2	4	01754	52684	5-		21745	25465	7-		02855	29325

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 June

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 ...	cbec	cy	cybcc	
Croydon ...	cbcyc	ccy	cybcwc	
Greenwich ...	bcy	cy ⊕	bc	
Camden Square	bc	c	*	Kew 24 hours ended 7h. Max. Temp. 20·1
Kensington ...	bc	bc	bc *	
Hampstead ...				Min. Temp. whole 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 % Yesterday	Humidity 9h % To-day
Kew ...	69	53	46	-	-	9·4	*	*	*
Croydon ...	73	50	47	-	-	7·7	*	*	*
Greenwich ...	76	51	42	-	-	10·0	48	63	
Westminster ...	73	50	50	-	-		60	67	
Regents Park ...	74	52	48	-	-		59	69	
Camden Square	75	52	47	-	-	*	*	65	
Kensington ...	75	52	44	-	-		47	71	
Hampstead ...	73	50	44	-	-		*	72	

BRITISH SECTION

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

SECRET

Tuesday 22nd June 1943

No. 23727.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·1	+8	W	2	c-bc	66	45	46	8	8	3	–	4-6	7-8	2500
	Croydon ...	20·9	+10	WSW	2	c-bc	68	45	47	8	2	–	–	7-8	7-8	3000
	S. Farnborough	20·6	+14	W	3	bc	68	45	43	8	8	–	–	4-6	4-6	2500
	Boscombe Down	21·1	+18	SW	2	b-bc	65	45	42	8	1	–	–	2-3	2-3	3000
	Thorney Island	21·0	+20	SW	2	bc	69	55	50	9	2	–	–	4-6	4-6	4000
	Lympne ...	20·8	+6	S'E	3	c	64	75	55	8	2	–	–	9	9	2000
	Manston ...	20·0	+10	NNW	3	c	66	55	51	8	2	4	–	7-8	9	2000
2	Shoeburyness ...	20·1	+4	WSW	3	bc	69	55	51	8	1	7	–	4-6	4-6	4000
	Felixstowe ...	19·5	+14	WNW	3	c-bc	68	55	53	8	8	–	–	7-8	7-8	4000
	Gorleston ...	18·6	+12	NW'W	2	c-bc	69	55	51	7	8	–	–	7-8	7-8	1500
	Mildenhall ...	19·4	+16	W	4	bc	67	45	45	8	1	4	–	4-6	4-6	3500
	Cranwell ...	19·3	+14	W'N	3	bc	63	45	44	8	8	–	–	4-6	4-6	3300
3	Birmingham ...	20·3	+12	WNW	3	bc	62	45	41	8	7	–	–	4-6	4-6	2500
	Upper Heyford	20·1	+16	WNW	3	b-bc	64	45	44	9	1	3	1	2-3	2-3	3000
4	Ross-on-Wye	20·5	+12	W'N	3	bc	63	45	40	9	1	–	–	4-6	4-6	5000
5	Hartland Point	22·7	+20	WNW	3	b-bc	59	75	49	8	1	–	–	2-3	2-3	3000
	Bristol ...	21·7	+16	W	2	b	64	55	47	8	1	–	–	1	1	2500
	Portland Bill ...	21·8	+12	W	3	bc	59	85	55	8	5	–	–	4-6	4-6	4000
	Plymouth ...	23·0	+16	WSW	3	bc	62	65	48	9	1	–	–	4-6	4-6	4000
	The Lizard ...	24·0	+22	WNW	3	bc	60	75	52	8	2	–	–	3-6	4-6	2500
	Scilly (St. Mary's)	23·5	+16	W'S	2	bc	63	55	46	8	8	4	–	2-3	4-6	1500
	Guernsey ...															
6	Pembroke ...	22·5	+6	W	3	b-bc	56	75	48	8	2	–	–	2-3	2-3	2500
7	Holyhead (Valley)	20·9	+20	SW'S	4	b	59	65	48	8	2	–	–	1	1	4000
	Chester (Sealand)	20·0	+20	N	4	b-bc	61	55	44	9	1	–	–	2-3	2-3	3000
8	Manchester ...	20·0	+24	WNW	4	bc	60	55	43	8	2	–	–	4-6	4-6	2500
10	Spurn Head ...	18·5	+20	W	4	bc	63	55	43	7	2	–	–	4-6	4-6	3200
	Catterick (Sc) ...	17·2	+32	W	3	bc	63	55	45	8	7	–	–	4-6	4-6	2500
	Tynemouth ...	17·2	+32	W	3	bc	63	45	39	7	2	–	–	4-6	4-6	1300
11	St. Abbs Head	13·5	+30	WNW	5	c-bc	59	55	40	8	1	4	–	4-6	7-8	3500
	Leuchars ...	14·1	+20	W	5	c-bc	61	65	53	9	2	6	–	7-8	7-8	3500
12	Renfrew (Abbots I.)	15·5	+28	W	5	c-bc/pr	57	75	48	8	8	4	–	4-6	7-8	3000
	Eskdalemuir ...	15·9	+24	SW'W	4	c-bc	55	55	41	8	8	–	–	7-8	7-8	2100
	Point of Ayre ...	19·3	+30	W'N	5	c	60	55	45	8	1	6	–	2-3	9	3000
13A	Tiree ...	14·4	+24	W'S	4	c-bc/pr	57	75	49	8	2	6	–	4-6	7-8	1800
13B	Stornoway ...	09·6	+28	WSW	6	pR	51	75	45	8	8	–	–	9+	9+	1500
15	Dalwhinnie ...	13·0	+20	SSW	4	c-bc	54	75	46	7	5	–	–	7-8	7-8	2500
	Aberdeen ...	11·6	+28	W	3	b-bc	63	35	37	9	1	–	3	2-3	2-3	5000
	Wick ...	08·8	+28	SW'W	4	c-bc	54	75	45	9	8	3	–	7-8	7-8	2500
16	Sumburgh ...	05·6	+34	WSW	6	c-bc	52	85	46	8	2	–	–	7-8	7-8	2000
17	Blacksod Point	18·4	+12	WSW	5	b-bc	58	65	44	8	8	–	4	2-3	2-3	2500
18	Malin Head ...	16·1	+22	W	5	c-bc	55	75	47	8	2	–	6	2-3	7-8	1500
	Aldergrove ...	17·6	+18	W	3	bc	59	55	44	9	8	–	–	4-6	4-6	3000
19	Birr Castle ...	19·3	+10	WSW	2	c-bc	60	55	44	8	4	–	1	7-8	7-8	1500
20	Valentia Obsy.	20·9	+4	SW	4	bc	59	55	43	9	7	3	1	4-6	4-6	4000
	Roches Point	21·8	+8	SSW	3	bc	58	75	50	8	5	–	–	4-6	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	22·6	+14	NW	2	b-bc	70	35	43	8	7	–	–	2-3	2-3	2500	1	*
	Croydon ...	22·6	+12	W	1	b-bc	67	45	43	8	4	–	–	2-3	2-3	5000	0	*
	S. Farnborough	22·6	+14	W	3	b-bc	69	35	41	8	4	–	–	2-3	2-3	3000	0	*
	Boscombe Down	23·2	+14	W	3	b	64	45	40	8	4	–	4	1	1	4000	0	*
	Thorney Island	23·1	+12	SW'W	4	b	63	55	47	9	4	–	–	Tr	Tr	4000	0	*
	Lympne ...	22·5	+8	SW	3	b-bc	66	55	46	8	–	8	–	0	2-3	–	1	4
	Manston ...	21·8	+8	WSW	1	c-bc	67	65	53	8	8	6	–	4-6	7-8	3800	0	*
2	Shoeburyness ...	21·8	+16	NW	1	c-bc	68	55	49	8	1	–	–	7-8	7-8	2500	0	*
	Felixstowe ...	21·7	+10	NW	3	bc	71	46	50	8	8	–	–	4-6	4-6	4000	0	2
	Gorleston ...	22·1	+14	SE'E	2	bc	60	97	59	7	1	–	6	4-6	4-6	3000	0	3
	Mildenhall ...	22·1	+14	NW'W	2	b-bc	67	45	46	8	1	–	–	2-3	2-3	4000	0	*
	Cranwell ...	21·6	+14	W'N	3	bc	65	45	41	8	4	–	–	4-6	4-6	3500	0	*
3	Birmingham ...	22·4	+8	W	3	b-bc	63	45	42	8	7	–	1	2-3	2-3	4000	1	*
	Upper Heyford	22·2	+12	WNW	1	bc	65	45	45	9	4	–	1	4-6	4-6	3000	0	*
4	Ross-on-Wye	22·3	+8	WNW	3	b-bc	64	45	43	8	1	–	–	2-3	2-3	4000	0	*
5	Hartland Point	24·0	+6	W	2	b	60	65	47	8	1	–	–	1	1	3000	0	4
	Bristol ...	23·7	+10	W	4	b	61	65	49	8	–	–	1	0	Tr	–	0	*
	Portland Bill ...	23·9	+6	SW	3	bc	58	85	54	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	24·8	+10	WSW	4	b	59	75	52	8	1	–	–	1	1	4000	0	2
	The Lizard ...	24·9	+6	W	3	b-bc	58	75	50	8	2	4	–	2-3	2-3	3000	0	2
	Scilly (St. Mary's)	24·4	0	SW'S	2	bc	59	65	45	8	2	4	5	1	4-6	1500	0	3
	Guernsey ...																	
6	Pembroke ...	24·1	+4	SW'W	2	b-bc	57	85	49	8	1	–	–	2-3	2-3	3000	0	3
7	Holyhead (Valley)	22·2	+6	SW	5	b	57	65	44	9	1	7	–	Tr	1	3500	0	3
	Chester (Sealand)	22·0	+10	WSW	3	b-bc	62	45	39	8	1	–	–	2-3	2-3	3000	0	*
8	Manchester ...	22·2	+10	W'N	3	b	60	55	43	8	4	–	–	1	1	4000	0	*
10	Spurn Head ...	21·4	+10	WNW	3	b-bc	64	55	51	7	1	–	–	2-3	2-3	4000	0	3
	Catterick (Sc) ...	20·9	+18	WSW	3	b-bc	60	65	46	8	1	–	–	2-3	2-3	3500	0	*
	Tynemouth ...	20·6	+12	W	3	bc	62	45	42	8	1	3	1	4-6	4-6	3000	0	2
11	St. Abbs Head	17·2	+10	WSW	4	c-bc	56	65	44	8	1	6	–	4-6	7-8	3500	0	4
	Leuchars ...	17·7	+26	WNW	5	c-bc/pr	59	65	45	9	2	–	–	7-8	7-8	2500	0	*
12	Renfrew (Abbots I.)	18·2	+14	WSW	4	c-bc	57	65	46	8	7	6	–	4-6	7-8	2000	1	*
	Eskdalemuir ...	16·1	+26	SW'S	4	pr	53	85	47	8	5	7	–	7-8	9	1800	1	*
	Point of Ayre ...	20·5	+10	W'S	4	c	60	55	45	8	7	3	–	4-6	9+	4000	0	3
13A	Tiree ...	17·4	+14	WSW	3	b-bc	54	75	48	9	2	6	–	1	2-3	2000	1	3
13B	Stornoway ...	14·8	+32	W	4	c-bc	54	75	45	8	8	–	–	7-8	7-8	1800	1	3
15	Dalwhinnie ...	16·5	+16	W	4	ir	49	75	41	7	5	–	–	7-8	7-8	2500	1	*
	Aberdeen ...	15·2	+24	WSW	3	b-bcjp	61	46	40	8	2	4	–	1	2-3	5000	0	2
	Wick ...	13·6	+26	WSW	5	pr	55	55	40	9	8	4	–	7-8	9	2000	1	*
16	Sumburgh ...	10·3	+26	W'S	6	b-bc	52	75	43	8	1	–	–	2-3	2-3	2500	1	3
17	Blacksod Point	18·7	-20	SW	5	c	55	65	44	8	8	–	–	9+	9+	2500	1	4
18	Malin Head ...	18·2	+8	W'S	4	bc	56	65	44	8	2	–	8	2-3	4-6	2500	2	4
	Aldergrove ...	19·7	+8	W'S	3	c-bc	58	65	45	9	8	–	4	7-8	7-8	4000	1	*
19	Birr Castle ...	19·6	-2	S	1	c-bc	62	55	46	8	8	–	–	7-8	7-8	1500	1	*
20	Valentia Obsy.	20·1	-10	S'W	5	c	57	75	49	8	2	7	–	4-6	9+	2500	1	3
	Roches Point	22·3	+2	SSW	3	bc	59	85	55	8	5	3	–	2-3	4-6	2500	1	

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.–7h. 22nd (42)
1	London (Kew)	bcbcbcy	bcbbcy	bcby	bbcemow
	Croydon ...	cbccy	cybcy	bcyb	bbcmo
	S. Farnborough	cpr cyvbcy	bcy	bcbyb	bwc
	Boscombe Down	bcbcy	bybcyby	byb	bbcc
	Thorney Island	bcy	bybcyby	bw	cwfg
	Lympne ...	c	cbc	bcb	bbfgbc
	Manston ...	c	cpr bcybcy	bcvb	bcbbc
2	Shoeburyness ...	bccbcy	bcycy	cmo ef	bcmo
	Felixstowe ...	cbcc	cybcy	bcyb	bbc
	Gorleston ...	bccy	bc	b	bcwc
	Mildenhall ...	bccpr bcy	bcy	bybcb	bbccmo
	Cranwell ...	cbcy	bcy	bcb	bbcmo
3	Birmingham ...	bcy	bcy	bcb	bc
	Upper Heyford	bvby	bcy	bcyb	bbccmo
4	Ross-on-Wye	bc	bcvy	bcb	bcc
5	Hartland Point	bc	bcb	cbc	bc
	Bristol ...	bcby	byb	bbw	bc
	Portland Bill ...	cbc	c	b	c
	Plymouth ...	cbc	bc	bc	c
	The Lizard ...	cbc	bc	bc	cbcc
	Scilly (St. Mary's)	bcy	bc	bcc	cp
	Guernsey ...				
6	Pembroke ...	bc	bc	c	cp
7	Holyhead (Valley)	b	cbc	bc	bccbc
	Chester (Sealand)	c, bcy	bcy	bcyby	cmo
8	Manchester ...	cpr bcy	bcy	bbcybc	bccbcmo
10	Spurn Head ...	bc	bc	bcmo	cmo
	Catterick (Sc) ...	bcy	bcy	bcbbc	bc
	Tynemouth ...	bcbccq	cbc	bc	bcbcm
11	St. Abbs Head	bcc	bcc	cbc	cbcc
	Leuchars ...	ccy	cybcypro	bc	bcciic
12	Renfrew (Abbots I.)	cpr c	cbcbcybc	bcc	bcciic
	Eskdalemuir ...	b	cpr	cprbc	bcc
	Point of Ayre ...	bcc	cy	cbcc	c
13A	Tiree ...	bcp	cpr cbc	bcc	cr r
13B	Stornoway ...	cbcpr c	cpRc	cbcc	cpr bccr
15	Dalwhinnie ...	cir	bcirc		oirc
	Aberdeen ...	cbcy	bcyjp	bccb	bcc
	Wick ...	cpr c	cycpry	bc	bcc
16	Sumburgh ...	cr m c	b	cirpr	cpr c
17	Blacksod Point	bc	c	r	d
18	Malin Head ...	pr	bc	bc	r
	Aldergrove ...	bccbcy	bcycjpc	c	c
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	bc	pr	r	r
	Roches Point	bc	bc	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 22nd June 1943

Districts.	
1 S.E. England 2 E. England .. 3 E. Midlands ...	Light to moderate southwest winds; mainly fair, but considerable higher cloud at times; rather warm.
4 W. Midlands 5 S.W. England 6 South Wales	Moderate to fresh southwest winds, backing tomorrow; mainly cloudy; some occasional rain or drizzle at times; some coastal hill fog later; becoming very close
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Winds southerly fresh at times, veering southwest moderating; cloud increasing, some occasional rain spreading from the West; becoming fair or fine; mainly rather cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh southerly winds, veering southwest; dull with occasional rain at first; considerable bright periods with some showers chiefly in the northwest; rather cool.
16 Orkneys and Shetlands	Winds backing southerly, fresh or strong at times, veering later; becoming overcast with rain at times; rather cool.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Fresh westerly winds, backing southerly tomorrow; bright periods with local showers at first, then fair; rather cool becoming warmer.

GENERAL INFERENCE

Pressure is presumably highest to southeast of the British Isles. A depression on the northeast Atlantic will move northeast and an associated trough will cross the British Isles giving a period of rain in most western and northern districts followed by an interval of fair weather. In Southeast England conditions are expected to remain fair and rather warm.

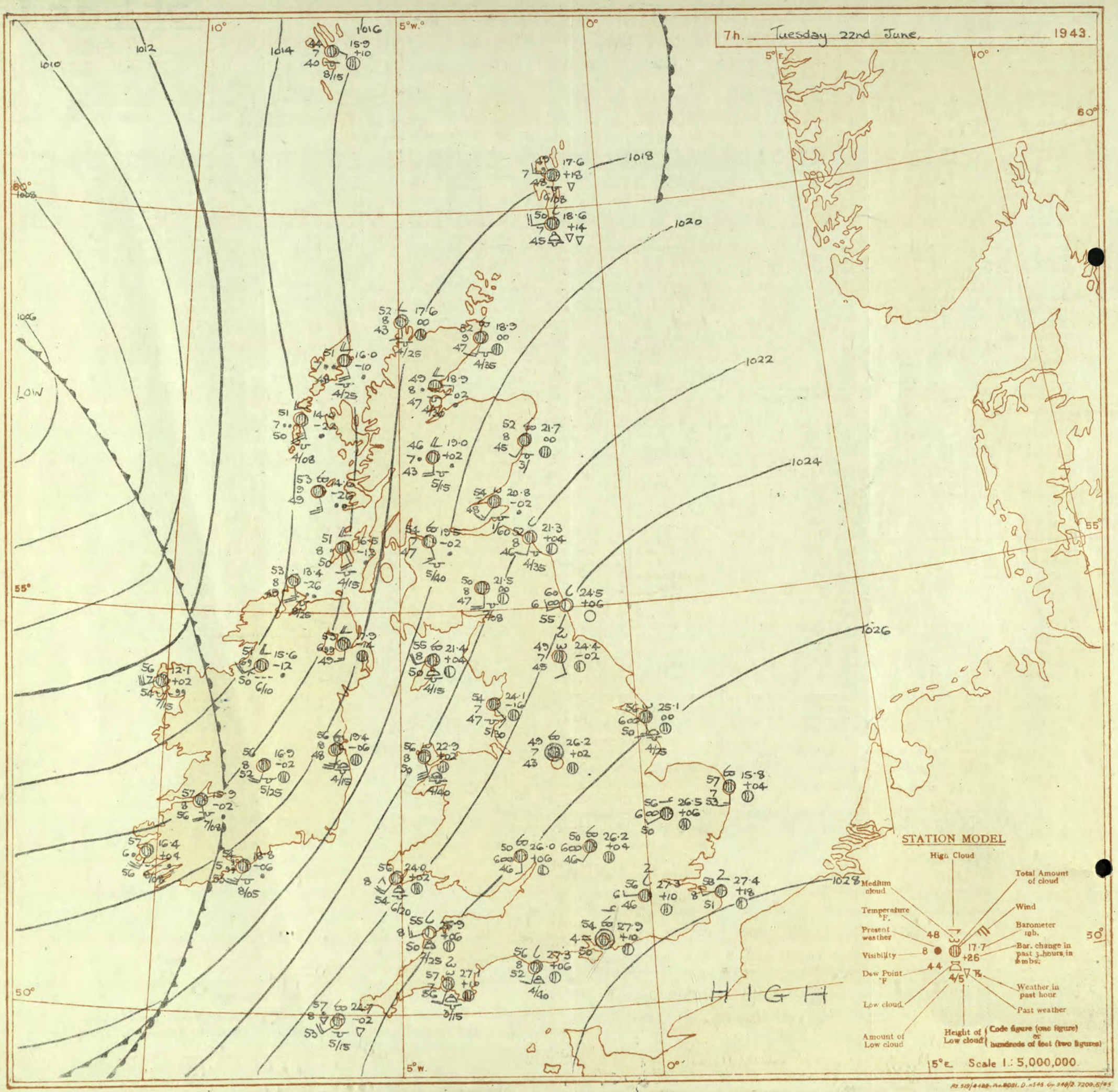
FURTHER OUTLOOK

A vigorous depression on the Atlantic will cause rain to spread from the West to most areas except perhaps the Southeast. Winds likely to be strong on the coast in the West and North.

Forecasts issued at 10·30

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

7h. Tuesday 22nd June, 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

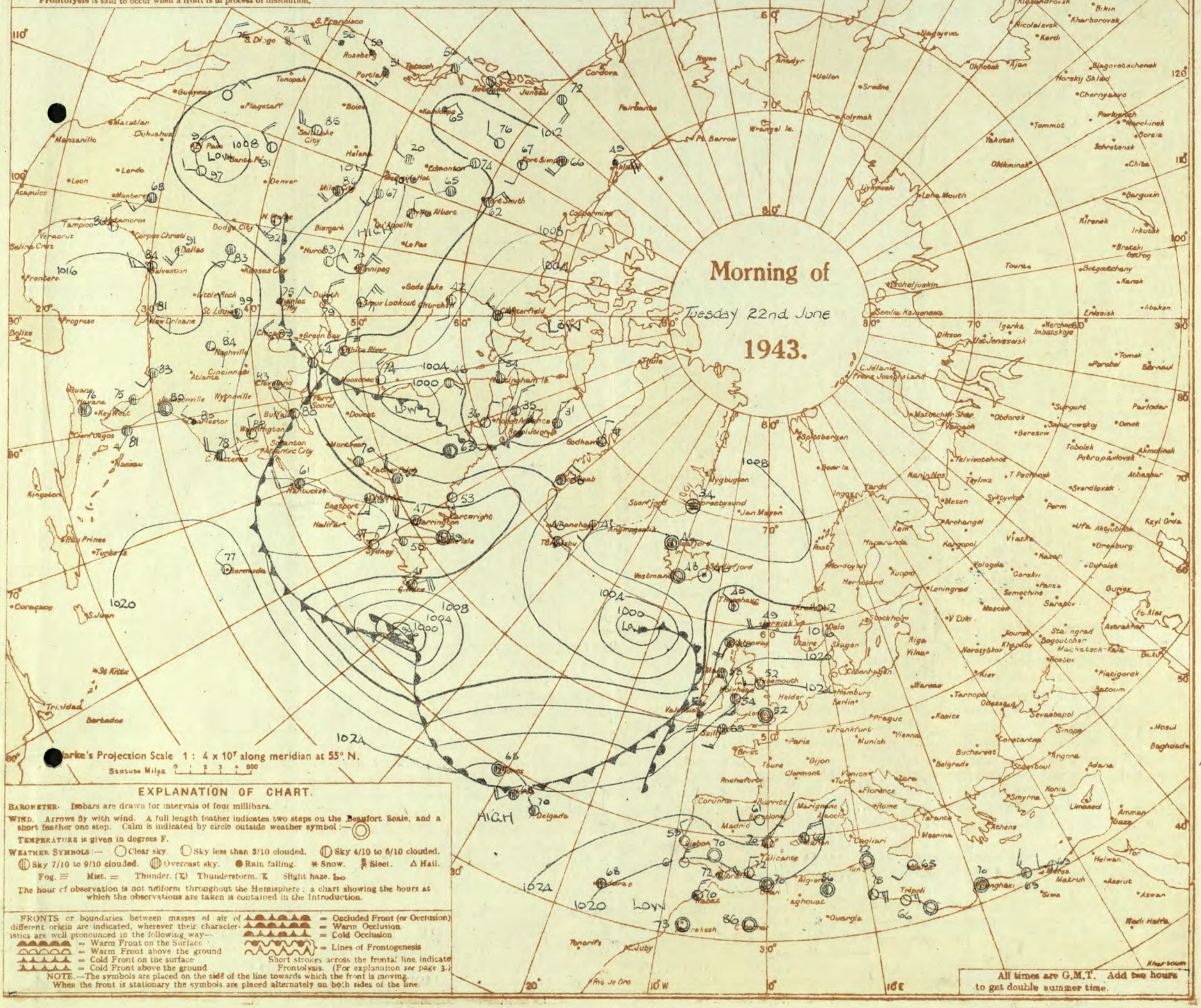
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 22nd June 1943

No. 29727

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

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26·2	+12	–	0	b	52	85	46	7	–	–	–	0	0	–
	S. Farnborough	226	26·5	+14	W'N	1	b	49	85	45	8	–	–	–	0	0	–
	Boscombe Down	417	26·7	+10	NW	1	b	46	92	43	8	–	–	1	0	Tr	–
	Thorney Island	10	26·1	+12	–	0	b	47	97	46	8	–	–	–	0	0	–
	Lympne ..	283	26·1	+12	SW	1	b	48	85	47	8	–	3	–	0	1	–
	Manston ...	154	25·5	+14	WSW	1	b-bc	51	92	49	7	–	3	1	0	2-3	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·2	+10	E'N	2	b	59	85	53	7	–	–	–	0	0	–
	Gorleston ...	5	23·3	+14	SSW	1	b	60	85	52	7	–	–	–	0	0	–
	Mildenhall ...	15	25·4	+10	SSE	2	b	50	92	47	7	–	–	–	0	0	–
	Cranwell ...	203	25·3	+14	N'E	1	b	46	92	43	7	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·5	+10	SW'W	1	b	49	85	45	7	5	–	1	Tr	Tr	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·7	+6	S	2	bc	51	75	45	8	–	–	6	0	4-6	–
	Bristol ...	209	26·6	+12	–	0	b-bc	47	97	45	8	–	–	2	0	2-3	–
	Portland Bill ...	32	26·0	+10	SW	3	b	55	85	51	8	–	–	–	0	0	–
	Plymouth ...	86	26·8	+6	WSW	1	c	49	92	46	8	–	–	[illegible]	0	9	–
	The Lizard ...	240	26·2	+10	WSW	2	c-bc	53	92	51	8	5	3	–	7-8	7-8	1500
	Scilly (St. Mary's)	163	25·3	+2	SSW	3	c	55	85	49	8	5	–	–	9	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	24·9	0	SW'S	3	c-bc	56	85	51	8	8	–	–	7-8	7-8	4000
7	Holyhead (Valley)	32	23·7	+4	S	3	bc	54	85	42	8	5	7	–	1	4-6	3000
	Chester (Sealand)	16	24·5	+10	–	0	c-bc	49	75	43	8	5	–	–	7-8	7-8	2500
8	Manchester ...	230	25·1	+10	SSE	2	c-bc	49	85	42	8	–	4	–	0	7-8	–
10	Spurn Head ...	29	25·2	+12	S'W	2	z₀	55	85	51	6	7	3	2	2-3	2-3	2500
	Catterick (Sc) ...	192	24·1	+4	SSW	1	bc	47	97	45	8	–	3	8	0	4-6	–
	Tynemouth ...	108	23·4	+10	W	3	b-bc	52	75	45	7	–	4	–	0	2-3	–
11	St. Abbs Head	280	20·7	+10	SW	3	bc	49	85	44	7	4	4	–	2-3	4-6	4000
	Leuchars ...	36	21·0	+8	SW	1	bc	47	92	44	8	5	7	–	4-6	4-6	4000
12	Renfrew (Abbots I.)	19	20·4	+2	ESE	1	c-bc	50	92	48	6	5	7	–	4-6	7-8	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	22·0	+4	SW	4	c	53	85	48	8	5	7	7	1	10	2000
13A	Tiree	44	18·0	–8	S	3	c	52	85	49	7	5	7	–	7-8	9	3000
13B	Stornoway ...	12	18·0	+6	SSW	3	c-bc	46	97	45	8	5	–	–	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20·3	+26	WSW	3	b-bc	46	92	44	9	5	–	–	2-3	2-3	3000
	Wick ...	114	18·2	+14	SW	4	bc	46	85	85	9	5	3	–	4-6	4-6	3000
16	Sumburgh ..	19	14·9	+18	W'S	6	pr	49	92	46	7	9	–	–	9+	9+	900
17	Blacksod Point	18	14·2	–34	S'W	6	c/r	52	85	48	8	6	–	–	10	10	500
18	Malin Head ...	84	17·4	–14	S'E	3	c	53	75	45	8	5	–	–	10	10	2500
	Aldergrove ...	268	19·3	–10	SSE	3	c	53	85	47	7	5	2	–	7-8	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·0	–30	S	6	r₀r₀	54	92	52	6	6	2	–	9+	10	1500
	Roches Point	22	19·5	–26	SSW	5	c-b/r	54	97	53	8	6	–	–	7-8	7-8	1500

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

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)	27·1	+14	SW	2	z₀	56	75	48	6	5	–	6	4-6	9+	2500	1	*
	Croydon ...	27·3	+10	W	1	c	56	65	46	6	–	4	6	0	9+	–	0	*
	S. Farnborough	27·7	+14	W	1	c	53	75	45	8	7	7	6	2-3	9+	7200	0	*
	Boscombe Down	27·0	+6	SE	1	c	49	85	46	8	–	7	–	0	9	–	0	*
	Thorney Island	26·9	+6	–	0	m	54	85	50	4	–	7	8	0	9	–	0	*
	Lympne ..	28·0	+12	WSW	2	c-bc	56	92	53	7	5	–	6	1	7-8	1400	0	*
	Manston ...	27·4	+18	SW'S	2	c	58	75	51	8	–	–	6	0	9	–	0	*
2	Shoeburyness ...	26·7	+8	SW	1	z₀	58	85	52	5	–	–	6	0	4-6	–	0	*
	Felixstowe ...	26·5	+8	SE	1	c-bc	62	85	58	8	–	7	–	0	7-8	–	0	1
	Gorleston ...	25·8	+4	S	3	c-bc	57	85	53	7	–	7	–	0	7-8	–	0	3
	Mildenhall ...	26·4	+6	SW'S	1	z₀	56	75	50	6	–	–	8	0	9+	–	1	*
	Cranwell ...	25·3	+2	SW	2	z₀	53	85	47	6	–	7	–	0	9+	–	0	*
3	Birmingham ...	26·3	+2	SSW	3	c	51	75	43	8	–	7	–	0	9	–	1	*
	Upper Heyford	26·2	+4	SSW	1	z₀	50	85	46	6	–	7	–	0	9+	–	0	*
4	Ross-on-Wye	26·0	+6	S	1	z₀	50	85	46	6	–	7	–	0	9	–	0	*
5	Hartland Point	25·3	+6	SW	3	b-bc	55	85	50	8	2	4	–	1	2-3	2500	0	3
	Bristol ...	27·3	+10	SSW	2	bc	53	75	46	7	–	3	–	0	4-6	–	0	*
	Portland Bill ...	27·3	+6	SSW	2	c	56	85	52	8	2	4	–	4-6	10	4000	1	3
	Plymouth ...	27·1	+10	SSW	4	c-bc	57	92	56	7	8	3	9	2-3	7-8	1500	0	2
	The Lizard ...	25·8	+6	S	3	c-bc	56	85	54	8	7	3	–	7-8	7-8	2500	0	3
	Scilly (St. Mary's)	24·7	–2	SSW	4	pr	57	85	53	8	5	7	–	7-8	9	1500	1	3
	Guernsey ...																	
6	Pembroke ...	24·0	+2	SW'S	4	cq	56	92	54	8	8	–	–	9	9	2000	2	3
7	Holyhead (Valley)	22·9	+2	S'E	6	c	56	85	50	8	7	3	–	4-6	9	3500	0	4
	Chester (Sealand)	24·3	+6	S	3	c	53	75	48	6	5	3	1	2-3	9+	3000	0	*
8	Manchester ...	25·0	+8	SSE	3	z₀	53	75	45	6	5	3	2	1	7-8	4000	0	*
10	Spurn Head ...	25·1	0	S	3	z₀	56	85	50	6	7	3	–	4-6	9+	2500	0	2
	Catterick (Sc) ...	24·4	–2	SSE	2	c-bc	49	85	45	7	–	3	8	0	7-8	–	0	*
	Tynemouth ...	24·5	+6	SW	2	z₀	60	85	55	6	–	4	–	0	2-3	–	0	1
11	St. Abbs Head	21·3	+4	SSW	2	c-bc	52	75	46	8	5	4	–	4-6	7-8	3500	0	3
	Leuchars ...	20·8	–2	SSW	3	c	54	75	48	7	5	3	–	Tr	9+	6000	0	*
12	Renfrew (Abbots I.)	19·5	–2	SSE	3	c	54	75	47	7	5	7	–	7-8	9+	4000	1	*
	Eskdalemuir ...	21·5	0	S'W	4	c	50	92	47	8	5	–	–	9+	9+	800	1	*
	Point of Ayre ...	21·4	+4	SW'S	4	c	55	85	50	8	8	7	–	4-6	9+	1500	0	3
13A	Tiree	14·6	–26	SSE	5	c/r	53	85	49	9	–	7	–	0	10	*	1	4
13B	Stornoway ...	16·0	–10	SE	4	r₀r₀	51	85	48	7	5	2	–	4-6	10	2500	1	3
15	Dalwhinnie ...	19·0	+2	S	4	m	46	92	45	7	5	2	–	7-8	10	1500	1	*
	Aberdeen † ...	21·7	0	SSW	1	c	52	75	45	8	5	7	–	2-3	10	5900	0	1
	Wick ...	18·9	0	SSW	3	c	52	85	47	9	5	7	–	4-6	10	3500	0	*
16	Sumburgh ..	18·6	+14	W'S	4	c/pr	50	92	48	7	8	4	–	7-8	9+	2000	1	3
17	Blacksod Point	12·1	+2	SW	6	c/d	56	92	54	7	6	–	–	9+	9+	1500	1	5
18	Malin Head ...	13·4	–26	S'E	5	c/r	53	85	49	8	5	–	–	10	10	2500	2	4
	Aldergrove ...	17·9	–14	S	3	d₀d₀	53	85	49	6	–	2	–	0	10	–	1	*
19	Birr Castle ...	16·9	–2	SSW	4	c-bc	56	85	52	8	5	–	–	7-8	7-8	2500	1	*
20	Valentia Obsy.	16·4	+4	SSW	5	ir₀	57	97	56	6	6	–	–	10	10	800	1	5
	Roches Point	18·8	–6	SSW	5	dd	54	97	53	5	5	–	–	10	10	450	1	*

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 21st. Hrs. (38)
1	London (Kew)	70	50	34	–	1	9·0
	Croydon ...	70	47	44	–	–	10·4
	S. Farnborough	71	45	33	Tr	–	11·2
	Boscombe Down	67	43	37	–	–	11·4
	Thorney Island	69	43	38	–	–	*
	Lympne ..	66	44	35	3	–	8·4
	Manston ...	69	49	42	Tr	–	8·5
2	Shoeburyness ...	72	48	43	–	–	11·9
	Felixstowe ...	72	52	49	–	–	12·6
	Gorleston ...	68	55	42	–	–	NS
	Mildenhall ...	69	47	42	Tr	Tr	12·6
	Cranwell ...	66	44	36	–	–	13·1
3	Birmingham ...	68	48	32	–	–	12·5
	Upper Heyford	66	46	34	–	–	*
4	Ross-on-Wye	67	44	36	–	–	11·7
5	Hartland Point	60	49	47	–	–	14·0
	Bristol ...	65	43	33	–	–	11·3
	Portland Bill ...	59	49	*	–	–	*
	Plymouth ...	65	46	37	–	–	9·6
	The Lizard ...	62	52	*	–	–	10·4
	Scilly (St. Mary's)	63	54	*	–	–	11·6
	Guernsey ...						
6	Pembroke ...	58	53	*	–	–	14·6
7	Holyhead (Valley)	60	52	49	–	–	*
	Chester (Sealand)	63	46	35	–	–	12·3
8	Manchester ...	61	48	38	Tr	–	*
10	Spurn Head ...	65	53	*	–	–	11·5
	Catterick (Sc) ...	65	44	41	–	–	12·1
	Tynemouth ...	64	49	49	–	–	*
11	St. Abbs Head	61	47	*	–	–	*
	Leuchars ...	63	46	40	Tr	–	14·1
12	Renfrew (Abbots I.)	61	50	43	0·5	0·3	11·6
	Eskdalemuir ...	58	43	36	1	0·6	6·9
	Point of Ayre ...	64	52	*	–	–	9·4
13A	Tiree	57	48	41	1	2	7·0
13B	Stornoway ...	56	44	33	1	Tr	7·1
15	Dalwhinnie ...	55	42	32	2	0·5	4·9
	Aberdeen † ...	64	46	36	–	–	10·4
	Wick ...	58	44	38	0·5	Tr	*
16	Sumburgh ..	53	47	46	2	0·1	7·0
17	Blacksod Point	59	51	*	–	5	*
18	Malin Head ...	56	50		0·3	1	11·5
	Aldergrove ...	60	49	46	0·4	–	7·8
19	Birr Castle ...	64	51	48	–	–	10·6
20	Valentia Obsy.	61	53	52	Tr	10	6·7
	Roches Point	60	54		–	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st June $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	18h. G.M.T. wwVhN$_h$	DDFWN	01h. G.M.T. 22nd June $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	07h. G.M.T. wwVhN$_h$	DDFWN
109	07	02844	56724	23	01844	55724	8-	01744	22314	14	01852	17314
115				54	02854	57526	54	02854	24425	51	02854	16227
203				8-	81846	22426						
206	26	81865	25416	20	25854	24484	53	02864	18185	52	61864	08168
210	36	01963	23484	36	81855	25385	53	02963	20215	52	61854	13128
219	26	02955	21428	2-	01845	22484	51	02864	15285	52	62734	13568
230	86	81856	55487	87	25966	20487	26	02861	00027	57	61844	12167
245	16	01963	23414	26	01954	22484	50	01861	23114	07	61790	08218
260				5-	02855	20415	5-	02765	20215	52	02852	18226
278	86	02844	24325	57	02945	07187	57	01864	15226	53	02845	14227
279	74	02857	55627	86	02855	22586	54	02864	16325	77	02845	18425
285	20	01854	26614							27	01744	18415
288	2-	01854	22414	10	01854	21414	04	01890	17213	53	05654	17225
575	8-	25846	22486	8-	02867	26227	52	02744	16128	62	51646	51468
301	20	01953	23413	16	01961	22401	53	01841	22215	59	02765	14226
321	20	01764	26424	10	01763	26323	04	05690	18114	07	05590	22127
299	24	01754	22314	10	01763	24303	50	01753	24213	5-	02756	24216
292							07	01890	20114	03	08490	18135
310	--	01635	24415							--	01635	24415
614	40	01764	25224	10	01764	24214	44	08461	04114	57	08475	22227

III	13h. G.M.T. 21st June $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	18h. G.M.T. wwVhN$_h$	DDFWN	01h. G.M.T. 22nd June $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	07h. G.M.T. wwVhN$_h$	DDFWN
333	20	01964	20314	14	01962	19412	57	02862	16216	57	02845	17427
334	--	02743	26315									
340	70	02955	22415	10	01964	23214	53	01853	16114	53	05663	14125
136	20	01863	24414	40	01773	24413	04	01790	17211	04	02790	18318
336	10	01753	28413	10	01763	28413				13	01753	20315
350	17	01853	24313	10	0862	27312	04	01890	18101	07	05690	20126
368	10	01863	24313	00	01890	23401	54	01854	00004	53	01963	20214
379	10	01863	24253	10	01854	26214	50	01851	22201	07	02790	22216
390	20	01864	22224	10	01873	26213	00	05690	00000	07	05690	00026
382	10	01852	22212	10	01953	24313	40	01771	00011	07	02790	24127
438	24	08653	***	00	00790	23410	00	00790	24300	87	02754	22416
430	23	01854	20325	40	01862	18312	00	00990	00000	07	04690	00024
409	14	01853	27203	40	01952	26103	07	02890	16116	29	02851	17315

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd June 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew	bcebcy	bcbbcy	bcbymw	Kew 24 hours ended 7h. Max. 0·1 Min. 0·1
Croydon ...	cbecy	cybcy	bcybcm	
Greenwich ...	cbcy	bcby.	bcy	
Camden Square	c	bc	*	
Kensington ...	bc	bcb	*	
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	70	50	34	–	1	8·3	*	*
Croydon ...	70	47	44	–	–	10·4	*	*
Greenwich ...	73	47	32	–	–	11·4	38	55
Westminster ...	70	50	46	–	–			48
Regents Park ..	71	49	42	–	–		48	62
Camden Square	73	51	42	–		*	*	
Kensington ...	71	49	37	–	–		59	55
Hampstead ...	71	50	41	–	–		*	64

BRITISH SECTION

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

SECRET

Wednesday 23rd June 1943

No. 29798

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

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)	27·0	−4	SW	2	bc	66	45	47	8	7	3	4	4-6	4-6	4000
	Croydon ...	27·3	0	WSW	3	bc	68	45	46	8	1	–	1	4-6	4-6	3000
	S. Farnborough	27·4	−2	SW'W	4	c	68	45	47	8	7	–	5	7-8	9	3000
	Boscombe Down	26·8	−6	SSW	4	c	66	55	47	8	1	–	1	7-8	9	2500
	Thorney Island	28·0	+2	SW'W	3	bc	66	55	48	9	1	6	6	2-3	4-6	2500
	Lympne ...	27·5	−6	SSW	3	bc	65	65	53	8	1	–	4	Tr	4-6	3000
	Manston ...	27·1	−4	SW'W	3	c-bc	68	55	49	8	1	4	–	4-6	7-8	2800
2	Shoeburyness ...	26·8	−8	S	3	bc	72	55	53	8	1	2	2	2-3	4-6	4000
	Felixstowe ...	26·8	−2	SSE	4	b-bc	68	75	48	6	1	–	2	1	2-3	4000
	Gorleston ...	25·4	−6	SSE	5	bc	62	85	58	7	8	7	1	1	4-6	2500
	Mildenhall ...	25·6	−10	SSW	4	bc	70	45	46	8	1	–	8	4-6	4-6	4000
	Cranwell ...	24·9	−8	SW	4	c	66	55	50	8	4	7	–	2-3	9+	3000
3	Birmingham ...	25·1	−4	SSW	3	c/pr	60	65	48	8	8	7	–	7-8	10	2500
	Upper Heyford	26·0	−4	SW'S	3	c	65	55	47	8	4	5	1	2-3	9	3000
4	Ross-on-Wye	25·3	−4	S'W	3	c	62	65	49	8	7	7	–	9+	10	3000
5	Hartland Point	24·8	−4	WSW	4	r_o	59	85	55	8	5	7	–	4-6	9+	1500
	Bristol ...	26·5	−2	SSW	4	c	64	65	53	8	5	7	–	4-6	9+	2500
	Portland Bill ...	28·1	+2	SW	4	c	58	65	44	8	2	4	–	7-8	9	4000
	Plymouth ...	27·9	+4	SSW	3	c	59	85	56	8	2	7	–	2-3	9+	2000
	The Lizard ...	26·5	+2	SW'S	4	c	63	75	56	8	5	–	–	9+	9+	2000
	Scilly (St. Mary's)	25·2	−2	SW'S	5	c	60	85	53	8	5	7	–	7-8	10	1500
	Guernsey ...															
6	Pembroke ...	23·6	−4	SW'S	6	aq	57	92	55	7	8	–	–	10	10	2000
7	Holyhead (Valley)	22·0	−4	S'W	7	c	58	86	54	7	5	–	–	9+	10	1000
	Chester (Sealand)	23·2	−6	SW'S	3	c	60	75	48	8	5	2	–	9	9+	3500
8	Manchester ...	23·9	−6	SSW	4	ir_o	60	65	48	8	4	2	–	7-8	10	2000
10	Spurn Head ...	25·1	−2	WSW	4	c	65	55	48	7	7	3	–	4-6	9	2500
	Catterick (Sc.) ...	22·9	−4	SSW	4	c	63	65	50	7	5	3	–	7-8	9+	2500
	Tynemouth ...	22·3	−8	SW	4	bc	66	45	43	7	8	4	–	4-6	4-6	2700
11	St. Abbs Head	18·6	+6	S	4	c	60	65	49	8	5	2	–	7-8	9+	3000
	Leuchars ...	18·5	−10	SSW	4	c	60	65	49	8	5	7	1	7-8	9	2000
12	Renfrew (Abbots I.)	17·4	−8	S'W	5	rr	56	92	54	6	6	2	–	7-8	10	800
	Eskdalemuir ...	19·9	−4	S'W	5	ir_o	53	85	49	7	5	–	–	10	10	1100
	Point of Ayre ...	19·7	−12	SW	6	ir	57	85	52	7	6	2	–	7-8	10	600
13A	Tiree ...	13·4	+2	S	4	c	57	92	56	8	5	3	–	7-8	9+	3000
13B	Stornoway ...	12·5	−16	SSE	6	ir_o	52	92	54	5	6	–	–	10	10	800
15	Dalwhinnie ...	17·0	−10	S	5	ir	54	85	50	7	5	2	–	4-6	9+	1500
	Aberdeen ...	18·7	−12	S	4	c	58	65	47	7	5	7	6	7-8	9+	2500
	Wick ...	17·0	−14	SSE	3	$r_o r_o$	54	85	50	8	5	7	–	4-6	10	3000
16	Sumburgh ...	19·1	−6	S'E	3	ir_o	53	92	49	8	5	2	–	Tr	10	4000
17	Blacksod Point	14·7	+10	SW	6	bc	60	75	52	7	8	–	–	4-6	4-6	2500
18	Malin Head ...	13·6	+6	SSW	4	c-bc	62	75	54	8	2	4	–	4-6	7-8	2500
	Aldergrove ...	16·1	−10	S'W	4	cjp	60	85	55	8	5	7	–	7-8	9+	2000
19	Birr Castle ...	17·2	+6	SSW	4	c	63	65	51	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	19·4	+14	SW'W	5	c	60	75	52	8	2	5	–	2-3	8	1500
	Roches Point	20·1	+6	SSW	4	bc	61	85	56	8	5	3	–	2-3	4-6	1500

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

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)	26·3	−6	SW'S	4	c	65	55	48	8	5	4	6	2-3	9+	5700	1	*
	Croydon ...	26·8	−4	SW	4	c	66	45	45	8	–	4	6	0	9+	–	0	*
	S. Farnborough	26·9	−4	SW'W	4	c	64	55	47	8	5	7	–	4-6	9	2500	0	*
	Boscombe Down	26·7	−6	S'W	3	c	61	65	48	9	5	7	5	2-3	9	2500	0	*
	Thorney Island	27·7	−4	SW	4	c	63	55	47	9	–	3	6	0	9	–	0	*
	Lympne ...	27·8	−2	SSW	3	c	64	65	49	8	5	–	7	Tr	10	4500	0	§3
	Manston ...	26·9	−2	SW'W	3	c	66	45	46	8	–	3	6	0	9+	–	0	*
2	Shoeburyness ...	26·5	−2	WSW	3	c	68	55	50	8	–	9	–	0	9	–	0	*
	Felixstowe ...	25·8	−4	S'W	4	c	69	65	55	8	–	3	6	0	9	–	0	3
	Gorleston ...	24·8	−8	S	4	c	65	75	55	7	–	–	8	0	9	–	0	4
	Mildenhall ...	24·9	−2	SW	3	c-bc	69	45	49	8	5	4	8	2-3	7-8	4000	0	*
	Cranwell ...	23·6	+14	SW	4	c	63	65	52	8	4	7	–	Tr	9+	3000	0	*
3	Birmingham ...	24·1	−8	SSW	4	c	62	65	50	8	5	7	–	7-8	9+	1500	1	*
	Upper Heyford	25·0	−6	WSW	4	c	62	65	51	8	5	7	2	2-3	9	3000	0	*
4	Ross-on-Wye	24·3	−8	WSW	4	c-bc	60	75	50	8	5	4	1	4-6	7-8	2500	0	*
5	Hartland Point	24·3	−2	SW	3	$r_o r_o$	56	97	56	6	5	–	–	10	10	800	1	4
	Bristol ...	25·7	−8	SSW	4	id_o	62	75	56	8	5	–	–	10	10	4000	1	*
	Portland Bill ...	28·0	−2	SW	4	c	58	85	54	8	5	–	–	10	10	4000	1	4
	Plymouth ...	27·4	−2	SW'S	3	$d_o d_o$	58	92	56	6	5	2	–	4-6	10	1000	0	3
	The Lizard ...	26·6	−2	SW	5	$d_o d_o$	57	92	55	7	5	–	–	10	10	1500	1	
	Scilly (St. Mary's)	25·5	+2	SW'S	4	id_o	57	97	57	5	5	–	–	10	10	500	1	4
	Guernsey ...																	
6	Pembroke ...	23·3	−2	WSW	4	c	56	97	56	6	8	–	–	10	10	1500	1	4
7	Holyhead (Valley)	20·5	−6	SSW	7	r_o	57	92	55	6	5	–	–	7-8	10	800	1	5
	Chester (Sealand)	21·5	−10	SW	4	c	61	75	52	7	7	3	–	7-8	9+	2500	0	*
8	Manchester ...	22·1	−6	S	6	c	60	75	50	8	1	7	–	4-6	9+	2000	0	*
10	Spurn Head ...	23·7	−6	SSW	3	c	64	55	49	7	7	3	–	4-6	9+	1500	0	3
	Catterick (Sc.) ...	21·9	−10	S	3	r_o	61	75	52	6	5	7	–	7-8	10	2000	0	*
	Tynemouth ...	21·0	−10	SSW	5	c	62	65	50	7	8	–	–	9	9	2700	0	2
11	St. Abbs Head	17·0	+8	SSW	5	pr	59	85	53	7	5	2	–	7-8	10	2500	0	4
	Leuchars ...	16·2	−16	S	5	c	59	75	52	8	5	2	–	7-8	10	2000	0	*
12	Renfrew (Abbots I.)	15·2	−16	SW'S	3	pr	58	85	54	7	8	7	–	7-8	9	2000	1	*
	Eskdalemuir ...	17·4	−16	S'W	6	rr	53	97	52	5	6	–	–	10	10	300	1	*
	Point of Ayre ...	18·1	−4	SW'W	5	c	58	85	54	7	8	7	–	7-8	9+	2000	1	3
13A	Tiree ...	13·9	+2	SW	3	c	56	85	52	8	5	7	–	2-3	9+	1500	0	4
13B	Stornoway ...	12·0	+4	SSW	4	c/r	55	92	52	7	8	3	–	7-8	9+	1400	1	3
15	Dalwhinnie ...	15·0	−4	SSW	2	iR	53	92	52	7	5	2	–	7-8	10	1500	1	*
	Aberdeen ...	16·6	−14	S	4	c	56	85	50	7	5	7	–	7-8	9+	2500	0	3
	Wick ...	13·9	−24	SSE	5	c	55	85	50	7	5	7	–	4-6	9+	2000	1	*
16	Sumburgh ...	16·1	−22	SSE	4	ir_o	52	85	52	6	5	2	–	4-6	10	1600	1	3
17	Blacksod Point	15·6	+4	SW	6	c	57	85	51	7	5	–	–	10	10	2500	1	5
18	Malin Head ...	14·5	+4	W'N	4	c	56	85	50	8	8	–	–	9	9	2500	2	4
	Aldergrove ...	16·7	+10	SW'W	3	pr	58	75	50	8	8	–	–	9+	9+	3000	1	*
19	Birr Castle ...	18·9	+8	WSW	3	c	58	75	50	8	8	2	–	7-8	10	1500	1	*
20	Valentia Obsy.	21·3	+12	SW'W	5	c	59	75	51	8	8	–	–	9+	9+	4000	1	5
	Roches Point	21·9	+12	SW	4	bc	59	85	53	8	5	–	5	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h. 22nd – 1h. 23rd (41)	1h.—7h. 23rd (42)
1	London (Kew)	$cm_o wbc$	bccy	cy	cbc
	Croydon ...	$bcm_o ybcy$	bcycy ⊕	cyc	$cid_o c$
	S. Farnborough	ebccy	cbccy	cbcycbcc	$coid_o bcc$
	Boscombe Down	ccy	cyc	c	cbcb
	Thorney Island	bc	bcycy	c	c
	Lympne ...	cbcv	bcycy	bc	$bccid_o$
	Manston ...	cbcy	bcbbcy	cyc	$cid_o c$
2	Shoeburyness ...	$bcm_o bcy$	bcycy	c	c
	Felixstowe ...	$bcm_o bz_o$	$bz_o bcc$	cbcc	c
	Gorleston ...	cbc	bcqc	c	bcc
	Mildenhall ...	$cz_o bcy$	cy	cybcc	c
	Cranwell ...	$cm_o bccy$	cyc	c	cbc
3	Birmingham ...	cpr_o	c	c	cbc
	Upper Heyford	bcy	$cyir_o$	c	cbcb
4	Ross-on-Wye	c	$ccid_o$	$ccd_o c$	cbc
5	Hartland Point	bcirc	$crir_o r_o r_o o$	$ocr_o df$	c
	Bristol ...	bcc	cid_o	$id_o cc$	$cpr_o cc$
	Portland Bill ...	c	c	o	$od_o c$
	Plymouth ...	c	$cir_o d_o d_o$	$od_o dom$	bcmo
	The Lizard ...	cbcc	cidd	dfF_o	ocbcw
	Scilly (St. Mary's)	cpc	$cidid_o$	$cid_o fcb$	ccwbc
	Guernsey ...				
6	Pembroke ...	cpra	$cid_o gm_o$	cbcq	bc
7	Holyhead (Valley)	c	coddm	cbc	bc
	Chester (Sealand)	$cz_o c$	c	cbc	cbc
8	Manchester ...	$z_o cyir_o$	$cir_o yc$	cbc	bccbc
10	Spurn Head ...	c	c	c	c
	Catterick (Sc.) ...	c	ccm_o	$cm_o cd_o im$	cbc
	Tynemouth ...	cbc	bcc	c	c
11	St. Abbs Head	c	cpr	cpr	cprbc
	Leuchars ...	c	$cir_o c$	$crr_o cir_o m$	$ir_o mcrrm_o$
12	Renfrew (Abbots I.)	$cr_o r_o cm_o rr$	$cm_o rrprc$	$cprir_o cm_o$	$cm_o irpr$
	Eskdalemuir ...	$cprir_o$	$ir_o cpr$	$crrr_o$	$cbcpr_o$
	Point of Ayre ...	cir	irc	cprbc	bc
13A	Tiree ...	$ccr_o c$	c	ccr_o	$cr_o r_o m_o cm_o$
13B	Stornoway ...	crr cr_o	$cr_o r_o rrirc$	$ccir_o$	$cr_o bc$
15	Dalwhinnie ...	oirc	circ	*	oirc
	Aberdeen ...	cbcc	$cz_o jpc$	ccir	$ccrrcbc$
	Wick ...	$ccir_o r_o r_o$	$cr_o r_o c$	$cd_o d_o$	$cr_o r_o d_o d_o c$
16	Sumburgh ...	cir_o	$cpri r_o m_o$	$cm_o r_o r_o ir$	$cm_o c$
17	Blacksod Point	bc	c	r	c
18	Malin Head ...	pr	pr	pr	pr
	Aldergrove ...	$r_o r_o m_o irc$	$bcycpr_o$	$cpr_o ccpr_o c$	$cid_o cpd_o c$
19	Birr Castle ...	pr	pr	*	pr
20	Valentia Obsy.	r	c	pr	bc
	Roches Point	d	bc	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 23rd June 1943

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light or moderate west to northwest wind; fair; cool.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate west to northwest wind backing slowly; bright intervals and local showers at first; fine later; cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west to northwest wind backing southwest to south, fresh locally later; bright intervals and showers at first; occasional rain later; cool.
16 Orkneys and Shetlands	As 12-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate west to northwest wind fresh locally backing later; bright intervals and local showers at first; cloudy later with local drizzle; cool.

GENERAL INFERENCE

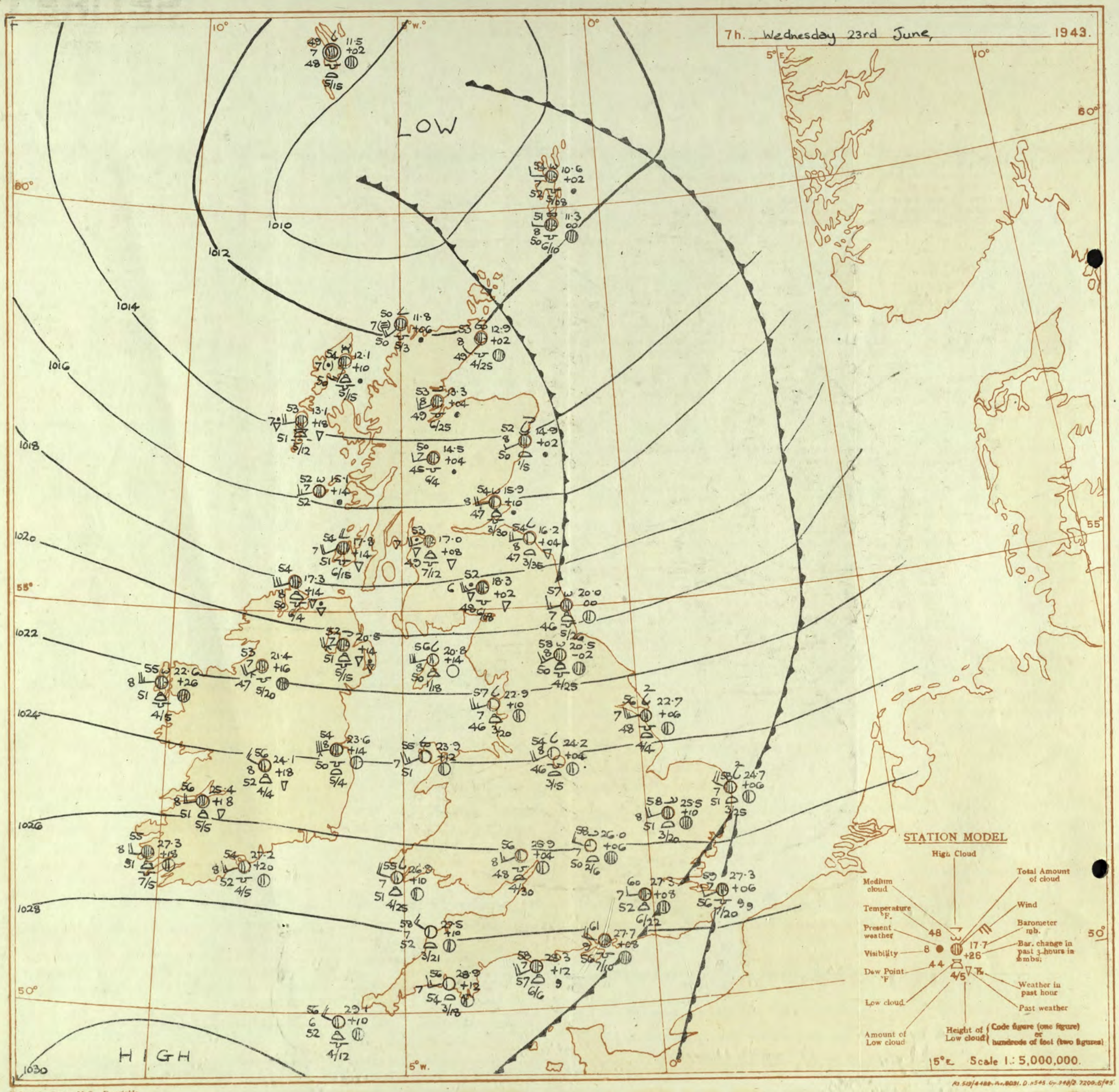
An anticyclone is developing to southwest of the British Isles and a depression in mid-Atlantic is moving northeast. Weather will be fair over England and Wales but occasional rain is likely later in Scotland.

FURTHER OUTLOOK

Continuing fair over most of England and Wales.

Forecasts issued at 10·30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

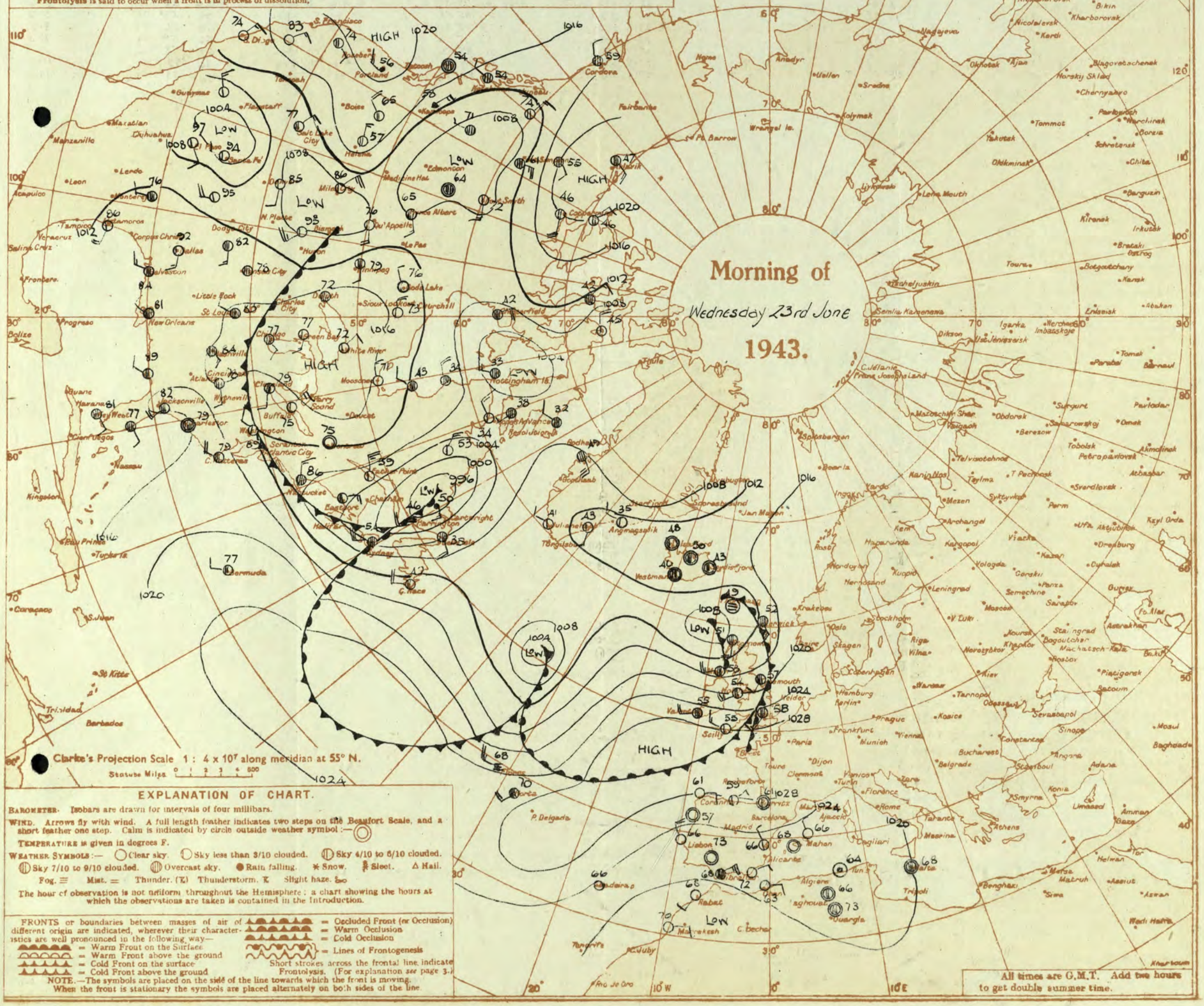
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 23rd June, 1943

No. 29798.

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

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon	290	26·8	-4	SW	3	c	58	75	51	8	5	-	-	9+	9+	3000
	S. Farnborough	226	26·8	-4	WSW	4	c	58	85	54	8	5	-	-	10	10	1000
	Boscombe Down	417	26·3	-6	SW	3	c	57	92	55	7	5	2	-	9	10	1500
	Thorney Island	10	27·5	-2	SW	3	c	57	85	53	7	5	-	-	9+	10	1200
	Lympne	283	27·9	-6	SSE	1	bc	51	85	47	8	-	2	8	0	4-6	-
	Manston	154	27·1	-2	SW'S	3	c	57	75	49	8	5	7	-	7-8	9	3000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	25·6	-2	SSW	4	c	60	75	49	8	5	7	-	4-6	9+	6300
	Gorleston	5	24·6	+2	SSW	3	c-bc	59	85	53	7	5	-	-	7-8	7-8	1500
	Mildenhall	15	24·6	-2	SW'S	3	c	58	75	48	7	-	3	-	0	9	-
	Cranwell	203	22·7	-6	SSW	5	c	58	85	53	7	5	7	-	2-3	9+	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·0	-2	SW'S	3	c	57	85	53	7	5	7	8	4-6	9	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·1	+10	W	4	bc	55	92	53	7	2	-	-	4-6	4-6	2500
	Bristol	209	26·1	+2	WSW	3	pr	58	92	56	8	2	7	-	9	9+	1100
	Portland Bill	32	27·8	-4	SW	4	o	57	85	53	7	5	-	-	10	10	2500
	Plymouth	82	27·5	+2	W'S	4	c/d	56	97	56	6	5	2	-	9	10	600
	The Lizard	240	27·8	+6	W	3	c	55	97	54	7	5	-	-	10	10	200
	Scilly (St. Mary's)	163	27·7	+10	W'N	3	b	55	97	55	7	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	25·0	+10	W	5	bcq	55	92	53	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	22·1	+14	SW'W	5	bc	54	92	51	8	-	4	-	0	4-6	-
	Chester (Sealand)	16	22·1	+6	W'S	4	c-bc	57	75	48	7	5	3	-	4-6	7-8	2500
8	Manchester	235	22·1	+2	SSW	3	bc	53	75	47	8	5	3	-	2-3	4-6	2500
10	Spurn Head	29	22·4	-6	SW	4	c-bc	59	75	52	7	7	3	-	4-6	7-8	1500
	Catterick (Sc)	192	20·2	-4	S	2	c/d	55	92	53	6	5	-	-	10	10	1700
	Tynemouth	108	19·4	+2	SW	2	c-bc	57	85	50	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	15·6	-2	SW	2	c/pr	54	92	51	8	5	-	-	9+	9+	2500
	Leuchars	36	15·2	0	SW	1	ro	52	97	52	6	5	2	-	7-8	10	1700
12	Renfrew (Abbots I.)	19	15·5	-2	SSW	4	zo	54	85	50	5	5	7	-	4-6	9+	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18·9	+8	W	5	bc	54	85	49	8	4	4	-	Tr	4-6	2000
13A	Tiree	44	13·0	-6	SW	3	roro	53	92	52	6	6	2	-	4-6	10	500
13B	Stornoway	15	10·4	-14	S	4	ro	51	97	51	6	6	2	-	7-8	9	900
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·6	-4	SW	3	c	52	85	49	9	5	7	-	4-6	10	2500
	Wick	114	13·1	-4	SSW	1	d.d.	52	92	50	8	5	2	-	4-6	10	1500
16	Sumburgh	19	11·9	-18	W'S	2	ir	50	97	50	5	5	2	-	9	10	400
17	Blacksod Point	18	18·3	+14	WSW	6	roro	55	85	51	7	6	2	-	4-6	10	1500
18	Malin Head	84	15·0	+6	W'S	5	c-bc/pr	53	85	49	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	18·4	+6	SSW	3	c	53	75	49	7	8	3	-	9	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·5	+14	W'S	4	c/pr	55	85	51	8	3	-	-	9	9	2500
	Roches Point	22	24·5	+10	SW	4	b-bc	53	97	52	8	5	-	-	2-3	2-3	1500

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

Stations	Barom at M.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)	27·2	+12	W'N	2	c-bc	60	75	49	8	8	4	4	4-6	7-8	1500	0	*
Croydon	27·3	+8	W	2	c	60	75	52	7	2	-	-	9	9	2200	0	*
S. Farnborough	27·3	+10	W'N	4	c	59	75	51	8	7	4	1	7-8	9	1600	0	*
Boscombe Down	27·3	+12	WSW	4	b-bc	58	75	50	8	7	-	-	1	2-3	2500	0	*
Thorney Island	27·7	+8	W'N	4	c	61	85	56	9	5	-	-	9+	9+	1000	0	*
Lympne	27·5	+2	W	3	c/d	58	97	57	8	5	-	-	4-6	9+	400	0	§3
Manston	27·3	+6	SW	2	c/d	59	85	56	7	5	-	-	9+	9+	2000	0	*
Shoeburyness	26·2	+8	W'N	4	c-bc	61	75	53	8	5	-	-	7-8	7-8	4000	0	*
Felixstowe	25·8	+6	SW'W	3	c	61	85	56	7	5	-	2	4-6	9	4000	0	3
Gorleston	24·7	+6	W'N	4	c-bc	58	85	51	7	1	4	5	2-3	7-8	2500	0	3
Mildenhall	25·5	+10	WSW	4	c-bc	58	75	51	8	1	-	2	2-3	7-8	2000	0	*
Cranwell	24·8	+16	W'S	4	bc	57	75	49	8	-	-	9	0	4-6	-	0	*
Birmingham	25·5	+6	SW	3	b-bc	54	55	39	8	5	4	-	1	2-3	4000	1	*
Upper Heyford	26·0	+6	W'N	3	b	58	75	50	7	1	-	1	1	1	4000	0	*
Ross-on-Wye	25·9	+4	SW'W	3	bc	56	75	48	8	7	-	-	4-6	4-6	3000	0	*
Hartland Point	27·5	+10	WNW	3	b-bc	58	85	52	7	1	-	-	2-3	2-3	2100	1	4
Bristol	27·5	+10	W	3	bc	57	85	52	7	8	-	-	4-6	4-6	2500	0	*
Portland Bill	28·3	+12	SW	4	c	58	92	57	7	2	-	-	9	9	4000	1	4
Plymouth	28·9	+12	WSW	3	b-bc	56	92	54	7	1	-	-	2-3	2-3	1800	1	2
The Lizard	29·1	+12	WNW	3	bc	54	97	54	8	7	-	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	29·1	+10	WNW	4	bc	56	85	52	6	8	-	-	4-6	4-6	1200	1	4
Guernsey																	
Pembroke	26·9	+10	W'N	4	bc	55	85	51	7	2	4	-	4-6	4-6	2500	0	3
Holyhead (Valley)	23·9	+12	SW'W	5	b-bc	55	85	51	7	-	7	-	0	2-3	-	0	4
Chester (Sealand)	23·9	+12	W'N	2	c-bc	57	65	46	8	7	3	-	4-6	7-8	3500	0	*
Manchester	23·5	+6	SW'S	3	zo	55	85	49	6	7	3	-	7-8	7-8	6000	0	*
Spurn Head	22·7	+6	WSW	5	c-bc	56	75	48	7	7	4	5	4-6	7-8	1500	0	3
Catterick (Sc)	20·5	-2	SW	3	c-bc	58	75	50	8	8	3	-	4-6	7-8	2500	0	*
Tynemouth	20·0	0	WSW	3	c-bc	57	85	46	7	8	3	-	7-8	7-8	2600	0	2
St. Abbs Head	16·2	+4	WSW	4	b-bc	54	75	47	8	1	4	-	2-3	2-3	3500	0	3
Leuchars	15·9	+10	WSW	4	bc	54	75	47	8	8	3	-	2-3	4-6	3000	1	*
Renfrew (Abbots I.)	17·0	+8	WSW	4	pr	53	85	49	7	8	-	-	9+	9+	1200	1	*
Eskdalemuir	18·3	+2	WSW	5	pr	52	85	48	6	5	-	-	9	9	800	1	*
Point of Ayre	20·8	+14	W'S	6	bc	56	85	50	8	2	4	-	Tr	4-6	1800	0	4
Tiree	15·1	+14	WSW	3	c-bc	52	97	52	7	6	3	-	4-6	7-8	600	1	3
Stornoway	12·1	+10	SSW	3	c-bjp	54	85	50	7	8	6	-	7-8	7-8	1500	1	2
Dalwhinnie	14·5	+4	WSW	2	c	50	85	45	7	5	-	-	9	9	1500	1	*
Aberdeen †	14·9	+2	SW	1	c-bc	52	92	50	8	1	9	3	Tr	7-8	2500	1	
Wick	12·9	+2	SW	2	c	53	92	49	8	5	7	-	4-6	9	2500	1	*
Sumburgh	11·3	0	W	1	c	51	97	50	8	5	7	-	9	9+	1000	1	2
Blacksod Point	22·6	+26	W	5	c	55	85	51	8	8	3	-	4-6	9	2500	1	4
Malin Head	17·3	+14	W'S	6	c/pr	54	85	50	8	8	-	-	9	9	1500	2	5
Aldergrove	20·5	+14	WSW	4	c/pr	52	92	51	7	8	-	3	7-8	9+	1500	1	*
Birr Castle	24·1	+18	WNW	3	bc	56	85	52	8	2	-	-	4-6	4-6	1500	1	*
Valentia Obsy.	27·3	+18	W	4	c	55	85	51	8	8	-	-	9+	9+	2500	1	4
Roches Point	27·2	+20	WSW	3	bc	54	92	52	8	5	-	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
London (Kew)	68	58	54	-	-	7·6
Croydon	70	58	55	-	Tr	9·9
S. Farnborough	69	56	51	-	Tr	8·7
Boscombe Down	66	54	50	-	Tr	5·3
Thorney Island	67	58	56	-	*	*
Lympne	66	49	46	-	-	11·6
Manston	70	53	51	-	Tr	13·0
Shoeburyness	72	57	52	-	-	9·2
Felixstowe	70	57	56	-	-	12·1
Gorleston	68	57	52	-	-	10·[illegible]
Mildenhall	73	55	49	-	-	8·5
Cranwell	67	52	51	-	-	4·6
Birmingham	63	50	46	Tr	-	3·0
Upper Heyford	67	52	41	Tr	-	*
Ross-on-Wye	64	51	47	-	Tr	0·9
Hartland Point	60	54	51	1	1	2·3
Bristol	65	53	46	0·2	0·1	3·5
Portland Bill	59	56	*	-	Tr	*
Plymouth	61	53	49	Tr	1	3·9
The Lizard	63	52	*	0·5	0·5	2·7
Scilly (St. Mary's)	62	53	*	1	Tr	0·5
Guernsey						
Pembroke	57	53	*	2	Tr	0·0
Holyhead (Valley)	59	53	51	0·1	-	*
Chester (Sealand)	64	54	49	-	-	2·1
Manchester	62	51	47	Tr	-	*
Spurn Head	68	55	*	-	-	5·0
Catterick (Sc)	65			-	Tr	4·4
Tynemouth	66	56	55	-	-	*
St. Abbs Head	63	50	*	Tr	2	*
Leuchars	62	51	48	Tr	2	0·3
Renfrew (Abbots I.)	58	51	45	3	2	0·0
Eskdalemuir	57	49	46	8	4	0·8
Point of Ayre	61	51	*	0·3	-	0·0
Tiree	59	51	49	6	8	0·0
Stornoway	56	48	46	4	2	0·1
Dalwhinnie	55	45	36	4	5	0·1
Aberdeen †	58	51	49	-	3	2·3
Wick	55	50	48	2	4	*
Sumburgh	54	50	49	2	3	1·3
Blacksod Point	60	52	*	-	0·2	*
Malin Head	62	52		2	2	3·8
Aldergrove	65	51	48	3	0·3	2·6
Birr Castle	65	51	48	0·3	1	3·5
Valentia Obsy.	62	54	50	Tr	0·1	5·9
Roches Point	62	53		1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 23rd June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	82	61855	46427	57	22756	49363	53	02644	00055	87	22755	17267
115	52	02844	16267	52	02844	20387	52	02844	20327	51	09735	20368
203				85	80845	16488	6-	62738	16468			
206	57	61855	14267	52	64745	20268	62	62854	00068	5-	02856	20366
210	57	61865	18328	57	02854	16327	62	62854	20168	53	02965	22266
219	6-	21728	16568	87	05743	51565	57	22734	19467	9-	81745	22485
230	5-	21845	15268	5-	22867	20367	52	62654	49368	8-	64857	22567
245	57	15467	19255	57	61745	17367	57	22945	22368	84	01853	23263
260							53	02755	20465	20	01753	23414
278	62	02736	18428	87	61736	17367	53	02844	22467	87	02854	23426
279	5-	02858	20628	62	52635	51668	53	22765	22466	20	02846	22566
285	27	02745	20527							23	25744	22685
288	57	02765	17427	57	02763	17527	5-	02757	20427	57	02854	20525
575	80	81854	18384	80	25757	52487	47	51744	16458	5-	02755	53425
301	5-	02768	18428	57	22766	17567	5-	02866	22626	24	01753	22513
321	77	02764	22427	57	02764	18428	57	02753	20426			
290	54	05653	20314	50	05655	22415	5-	05657	22427	54	02754	-2315
292							57	02754	21425	26	01854	56425
310	--	02628	20528							--	01634	24414
614	77	05655	53327	52	02754	20328	52	05664	20224	50	05654	55314
388	57	21845	51558	52	21626	49558	04	05690	53414	54	01762	22413
334	--	03647	26328							--	03647	26328
340	57	02864	18328	57	22964	19567	07	02890	23426	73	01764	24424
136	17	02864	19317	03	02830	22416	03	02890	20425	10	02833	54425
336	53	02753	20416	52	02656	20428				57	02754	20417
350	17	01863	20315	47	02863	20427	07	02790	53428	10	01751	22312
368	53	02855	18328	52	61746	20268	57	02754	22465	80	01644	24314
379				53	02864	18366	57	02735	53428	50	00641	22401
390	10	05663	19213	09	02790	19317	07	05690	22327	30	05654	24225
382	73	02864	22315	47	02864	55367	57	02844	19327	10	01841	24312
438	78	01764	22414				57	02754	22515	--	48009	22649
430	10	01853	20314	00	02890	20315	57	02745	22427	5-	01743	20355
409	27	61855	19567	5-	52628	18558	5-	02636	22358	2-	01645	24415

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 June, 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cmowbc	becy	cyebc
Croydon	bcmoybcy	bcycy ⊕	cycid₀c
Greenwich	bcy	bcc ⊕y	cbcy
Camden Square	b	b	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·1 Time 7-2[illegible]. Min. <0·1 Time rest of period

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	68	58	54	-	-	7·6	*	*
Croydon	70	58	55	-	Tr	9·9	*	*
Greenwich	73	57	52	-	-	8·8	41	52
Westminster	70	54	53	-	-		47	57
Regents Park	71	58	56	-	-		51	55
Camden Square	73	58	55	-	-	*	*	56
Kensington	72	58	52	-	-		55	56
Hampstead	69	53	51	-	-		*	64

SECRET

Page 1

BRITISH SECTION

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

Thursday 24th June, 1943

No. 23723

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	27·1	+2	W'S	3	bc	67	45	43	8	7	–	–	4-6	4-6	2500
	Croydon ...	27·4	+2	WNW	4	bc	67	45	43	8	4	–	–	4-6	4-6	3500
	S. Farnborough	27·5	+2	W	4	c-bc	68	45	45	8	7	3	–	4-6	7-8	3000
	Boscombe Down	28·0	+6	W	4	c-bc	64	55	47	8	1	–	9	7-8	7-8	2500
	Thorney Island	27·8	+2	W	4	c-bc	67	55	51	9	8	–	–	7-8	7-8	4000
	Lympne ...	26·9	-2	SSW	3	c-bc	68	65	48	8	1	–	–	7-8	7-8	2800
	Manston ...	26·5	+2	W'N	3	bc	69	55	51	8	1	–	–	4-6	4-6	4000
2	Shoeburyness ...	26·3	-6	WSW	3	bc	71	45	49	8	1	–	–	4-6	4-6	4000
	Felixstowe ...	26·0	0	WSW	4	bc	70	55	51	8	8	–	–	4-6	4-6	4000
	Gorleston ...	24·9	+2	WNW	4	c-bc	67	75	58	7	2	–	–	7-8	7-8	2500
	Mildenhall ...	26·0	+6	W	4	c	66	55	47	8	7	–	–	9+	9+	5000
	Cranwell ...	24·8	+6	W	4	c	65	55	49	8	2	6	–	4-6	10	3000
3	Birmingham ...	26·5	+8	W	4	c	60	65	49	8	5	–	–	9+	9+	2500
	Upper Heyford	26·6	+2	WNW	4	c	63	55	48	8	7	–	–	9+	9+	3500
4	Ross-on-Wye	26·8	+4	W'S	3	c	64	65	47	8	5	–	–	9+	9+	3500
5	Hartland Point	29·4	+10	WNW	3	bc	60	75	52	7	1	4	–	2-3	4-6	2000
	Bristol ...	28·4	+4	W	4	b-bc	64	65	42	8	1	6	–	2-3	2-3	4000
	Portland Bill ...	29·5	+6	SW	4	bc	59	92	57	8	2	–	–	4-6	4-6	4000
	Plymouth ...	30·0	+6	W	3	c-bc	64	65	52	8	4	–	–	7-8	7-8	2500
	The Lizard ...	30·7	+4	NW	3	b-bc	63	75	56	8	7	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	31·3	+10	WNW	3	bc	65	65	53	7	1	6	–	2-3	4-6	1000
	Guernsey ...															
6	Pembroke ...	29·3	+10	W'N	3	b-bc	57	85	52	8	2	4	–	2-3	2-3	2500
7	Holyhead (Valley)	26·7	+14	WSW	5	c-bc	61	75	51	8	2	6	–	2-3	7-8	2500
	Chester (Sealand)	25·8	+12	NW	4	c-bc	62	55	44	9	8	–	–	7-8	7-8	3000
8	Manchester ...	25·5	+10	W	5	c-bc	61	55	47	8	2	6	–	7-8	7-8	2000
10	Spurn Head ...	24·1	+4	W'N	6	c-bc	62	55	48	7	2	3	–	4-6	7-8	2500
	Catterick (Sc.)...	23·0	+14	WNW	3	pr	59	75	50	8	8	–	–	9+	9+	2500
	Tynemouth ...	21·5	+8	W	6	bc	63	55	45	7	2	–	–	4-6	4-6	2800
11	St. Abbs Head	17·7	+10	W	5	c-bc	59	75	51	9	2	6	–	4-6	7-8	3500
	Leuchars ...	17·5	+8	WSW	6	c	63	55	48	9	8	–	–	9	9	2000
12	Renfrew (Abbots I.)	20·4	+24	WSW	4	c/pr	58	75	46	8	8	–	–	9+	9+	1400
	Eskdalemuir ...	20·8	+10	WSW	6	c-bc/pr	57	65	47	8	5	–	–	7-8	7-8	1800
	Point of Ayre...	23·9	+14	W'N	6	c	64	65	51	8	1	7	–	Tr	9	2500
13A	Tiree	20·7	+30	W	5	c-bcjp	56	85	53	8	3	6	–	4-6	7-8	300
13B	Stornoway ...	16·8	+26	W	4	c	58	85	52	8	8	6	3	7-8	9+	1800
15	Dalwhinnie ...	17·0	+16	W	3	c-bc	55	75	46	7	5	3	–	4-6	7-8	1500
	Aberdeen ...	16·0	+12	NW	2	c	63	55	47	9	3	–	3	9	9	4000
	Wick ...	15·8	+22	WSW	3	c-bc/pr	57	75	47	9	8	4	–	4-6	7-8	2000
16	Sumburgh ...	13·5	+14	W	4	c	59	85	55	7	8	7	2	4-6	9+	600
17	Blacksod Point	26·9	+22	W	5	c	59	85	55	7	5	–	–	10	10	2500
18	Malin Head ...	23·2	+34	W'S	6	c	56	85	52	8	5	–	–	10	10	1500
	Aldergrove ...	24·3	+16	W	5	c	58	75	49	8	8	6	–	7-8	9	2000
19	Birr Castle ...	27·5	+18	W	3	c-bc	63	65	52	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	30·6	+12	W'N	4	bc	59	85	55	8	2	–	1	4-6	4-6	2500
	Roches Point	29·0	+8	WNW	4	bc	64	75	56	8	5	–	–	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	28·0	+4	WNW	3	c	65	55	47	8	5	–	–	9+	9+	2500	0	*
Croydon ...	27·8	+2	NNW	3	c	65	55	47	8	5	4	–	9	9+	3500	0	*
S. Farnborough	28·0	+4	NNW	2	c	66	55	47	8	4	6	–	4-6	9+	4500	0	*
Boscombe Down	28·6	+6	WN	3	bc	63	65	49	7	7	–	4	2-3	4-6	4000	0	*
Thorney Island	28·0	+2	WNW	3	c-bc	67	55	43	8	4	–	4	2-3	7-8	4000	0	*
Lympne ...	27·4	+6	WNW	3	c	66	55	50	7	4	3	–	4-6	9	6000	0	§4
Manston ...	27·1	+8	N'W	3	c-bc	65	55	48	8	–	7	6	0	7-8	–	0	*
Shoeburyness ...	27·3	+10	NW	3	c	66	55	47	8	5	–	–	9+	9+	4000	–	*
Felixstowe ...	26·7	+6	WS	3	c-bc	66	55	50	8	5	3	–	2-3	7-8	4000	0	3
Gorleston ...	25·7	+6	WNW	3	c	66	55	49	7	5	–	–	9	9	1800	0	3
Mildenhall ...	26·1	-2	W	4	bc	67	55	49	8	7	–	1	4-6	4-6	4000	0	*
Cranwell ...	25·9	+4	W'N	4	bc	64	45	42	8	2	6	–	1	4-6	3000	0	*
Birmingham ...	27·6	+6	WNW	4	c-bc	62	55	46	8	5	7	–	4-6	7-8	2500	1	*
Upper Heyford	27·5	+2	WNW	4	bc	64	55	48	8	1	7	2	2-3	4-6	3000	0	*
Ross-on-Wye	28·0	0	W'N	3	c	63	55	47	8	7	–	–	9+	9+	3500	0	*
Hartland Point	30·1	+4	WNW	3	b-bc	58	85	52	7	1	4	–	2-3	2-3	2000	0	3
Bristol ...	29·1	+2	WS	4	bc	61	75	52	7	–	4	–	0	4-6	–	0	*
Portland Bill ...	29·9	0	W	4	c-bc	60	92	58	8	2	–	–	7-8	7-8	4000	1	4
Plymouth ...	30·3	+2	WNW	3	b-bc	63	65	49	8	1	–	–	2-3	2-3	3000	0	2
The Lizard ...	30·3	-2	WNW	3	b-bc	60	85	53	8	7	–	–	2-3	2-3	3500	0	3
Scilly (St. Mary's)	31·8	+2	NW	3	b-bc	61	75	52	7	1	–	–	2-3	2-3	1800	0	3
Guernsey ...																	
Pembroke ...	24·9	0	W'N	3	b-bc	57	85	54	8	2	2	–	1	2-3	2500	0	2
Holyhead (Valley)	28·0	+8	WSW	3	c	60	75	43	8	7	3	–	2-3	9	5000	0	2
Chester (Sealand)	27·1	+6	NW	5	c-bc	62	55	48	8	7	3	–	7-8	7-8	3000	0	*
Manchester ...	26·5	+6	W	4	bc	62	55	44	9	2	6	–	2-3	4-6	2500	0	*
Spurn Head ...	24·9	+2	WNW	5	bc	63	55	48	7	7	4	–	2-3	4-6	2500	0	3
Catterick (Sc.)...	24·5	+2	W	3	c-bc/pr	57	85	51	8	8	6	–	7-8	7-8	2000	0	*
Tynemouth ...	23·0	+6	W	5	bcq	63	55	49	7	2	–	–	4-6	4-6	2800	0	3
St. Abbs Head	19·8	+4	W	5	bc	60	65	48	8	2	4	–	4-6	4-6	3500	0	4
Leuchars ...	20·9	+22	SW	5	pr	61	65	48	9	9	3	–	4-6	7-8	3000	0	*
Renfrew (Abbots I.)	23·7	+22	W	4	c-bc/pr	58	75	50	8	8	7	–	7-8	7-8	2000	1	*
Eskdalemuir ...	23·6	+14	WNW	4	pr	57	75	49	8	5	–	–	9+	9+	1500	1	*
Point of Ayre...	26·4	+10	NNW	3	c	57	85	51	8	5	7	–	4-6	9+	4000	0	3
Tiree	24·9	+14	WNW	4	b-bc	56	85	50	8	1	–	–	2-3	2-3	1500	1	4
Stornoway ...	22·2	+36	WNW	5	c/pr	57	75	51	8	8	–	–	9	9	1500	1	3
Dalwhinnie ...	21·5	+20	SW	2	c-bc	56	75	48	7	5	–	–	7-8	7-8	2500	1	*
Aberdeen ...	19·7	+26	NW,W	3	c/pr	54	85	49	8	9	6	3	7-8	9	2000	1	2
Wick ...	18·9	+24	NWN	5	c-bc	57	75	48	9	8	–	–	7-8	7-8	2000	0	*
Sumburgh ...	15·5	+12	WNW	6	o/d	53	85	49	7	5	–	–	10	10	800	0	2
Blacksod Point	28·1	0	WSW	4	c	57	85	53	7	8	–	–	9	9	2500	1	3
Malin Head ...	26·2	+14	WNW	5	c-bc	55	85	53	8	2	5	–	4-6	7-8	1500	2	4
Aldergrove ...	27·0	+14	W'N	3	c	58	65	46	8	8	6	–	7-8	9+	4000	1	*
Birr Castle ...	28·3	+2	W	2	b-bc	63	55	47	8	1	–	–	2-3	2-3	2500	1	*
Valentia Obsy.	30·5	-2	WSW	3	b-bc	59	75	51	8	1	–	–	2-3	2-3	2500	1	2
Roches Point	29·4	+2	WNW	2	bc	64	75	56	8	1	–	–	4-6	4-6	4000	1	3

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h. 23rd to 1h. 24th (41)	1h.—7h. 24th (42)
London (Kew)	cbcy	bccy	cybcw	bcbzw
Croydon ...	bcy	bcycy	cybc	bmo
S. Farnborough	cbcy	bccy	cycbw	bwbcb
Boscombe Down	bcycy	bcycybcy	bcybcbm,w	bwmoof
Thorney Island	cz	cybccbc	bcb	bwb
Lympne ...	cbc	cybccy	cbc	b
Manston ...	cbcy	bcy	bccycbz.	bmo
Shoeburyness ...	cbcy	bcycy	cbc	bcbw
Felixstowe ...	bc	bcycy	cybbc	bcb
Gorleston ...	c	c	bcb	bccbmo
Mildenhall ...	bccy	cybcy	bc	bbcbmob
Cranwell ...	bccprcy	cbcy	bcb	bcbmo
Birmingham ...	bc	c	cb	bz
Upper Heyford	ccy	cy	bcb	bbcbcwbw
Ross-on-Wye	bccy	cvy	cvbcb	bwbcb
Hartland Point	bc	bc	bcb	bc
Bristol ...	bccbcb	bbcc	bcbmow	bmowfg
Portland Bill ...	c	c	c	bc
Plymouth ...	c	bcy	byb	bmobc
The Lizard ...	bc	bc	bcbw	bbcw
Scilly (St. Mary's)	bc	bbcbc	bcbw	bbcw
Guernsey ...				
Pembroke ...	bc	bc	bbcw	bcwff
Holyhead (Valley)	bc	bcc	bccbc	bbcfgw
Chester (Sealand)	cbcy	bcyc	cybc	bcb
Manchester ...	cmomcbc	cy	bcybmo	cmow
Spurn Head ...	c	bc	bc	bc
Catterick (Sc.)...	c	cpr.c	b	bc
Tynemouth ...	cbc	bcq	cq	bq.bc
St. Abbs Head	bccbc	bc	bc	bc
Leuchars ...	bcpr. bcy	bcpr.	bcpr.cbc	bcb
Renfrew (Abbots I.)	cpr.bcprcp.c	cpr.prprbc	bc	bccbcwc
Eskdalemuir ...	cpr.	cpr.	cpr.bc	bc
Point of Ayre...	bbcc	cr.pc	cbcc	cbcw
Tiree	coejPR	cjprbc	bcc	c
Stornoway ...	cjpccprc	cpr.c	cbccbc	bcwc
Dalwhinnie ...	circ	bcproc	*	circ
Aberdeen ...	bccprc	cPrPrh	cprbcb	bbcc
Wick ...	pr.cpr	bc	bccr.r.	cbccid.
Sumburgh ...	c	cidc	cm.	c
Blacksod Point	c	c	bc	c
Malin Head ...	d	bc	bc	bc
Aldergrove ...	cprc	cprc	cbcc	cbcmow
Birr Castle ...	c	bc	*	bc
Valentia Obsy.	bc	bc	bc	bc
Roches Point	bc	bc	bc	b

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Light variable wind becoming southwest moderate; fine at first; cloud increasing later: rather warm.
5 S.W. England 6 South Wales 7 North Wales	Light or moderate southwest wind; cloud increasing: local drizzle and coast fog: rather warm.
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	Freshening south wind veering southwest; fair at first, rain later: rather warm.
16 Orkneys and Shetlands	As 7-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh south wind veering southwest; rain at first: variable cloud and local showers later: cool.

GENERAL INFERENCE

An anticyclone centred over the Channel is moving east and declining and a trough of low pressure off West Ireland is moving east. Rain in the West and North will spread east but weather is expected to remain mainly fair in the South.

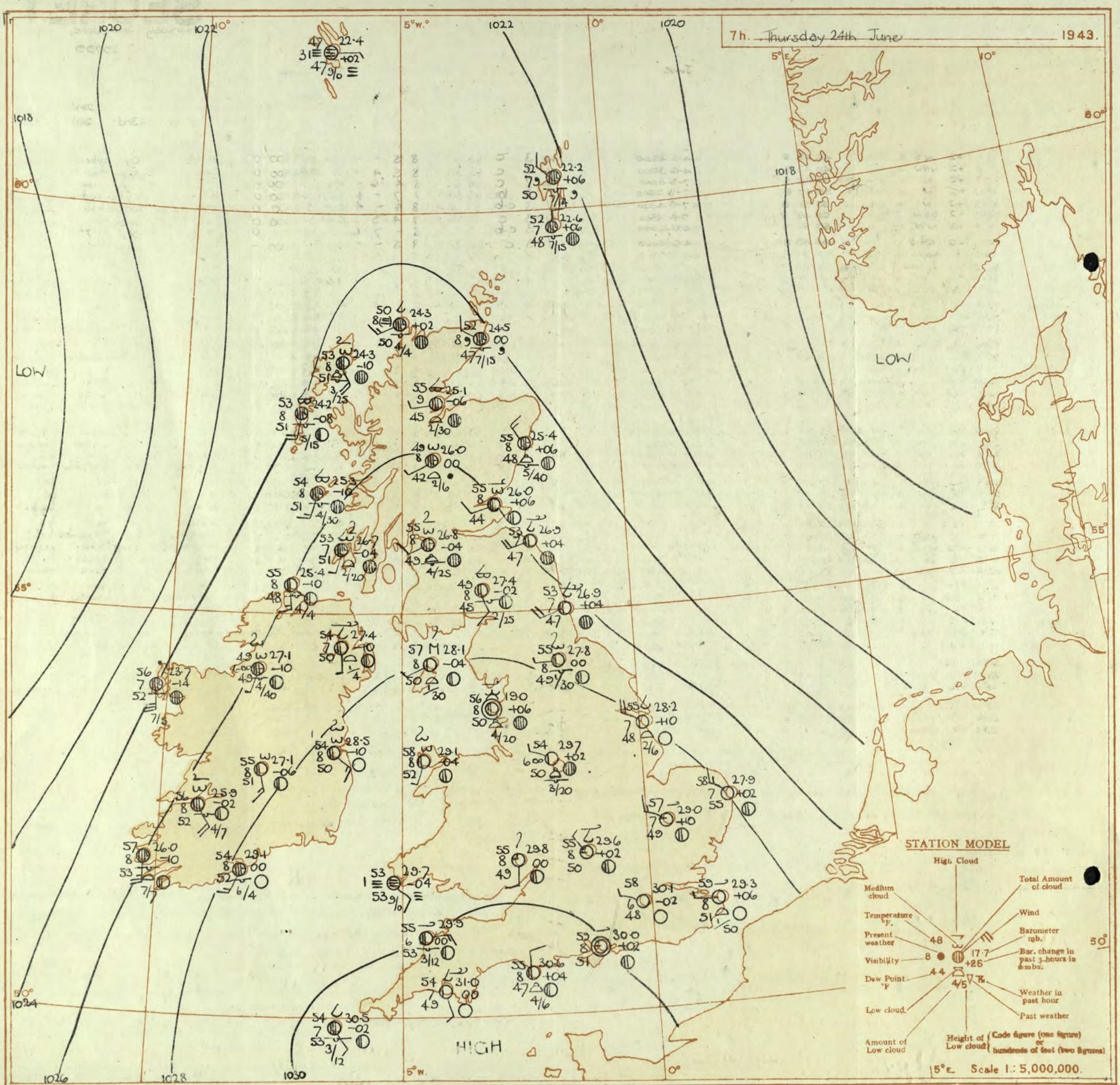
FURTHER OUTLOOK

Showers in the North; continuing fair in the South.

Forecasts issued at 1400

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

7h. Thursday 24th June 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

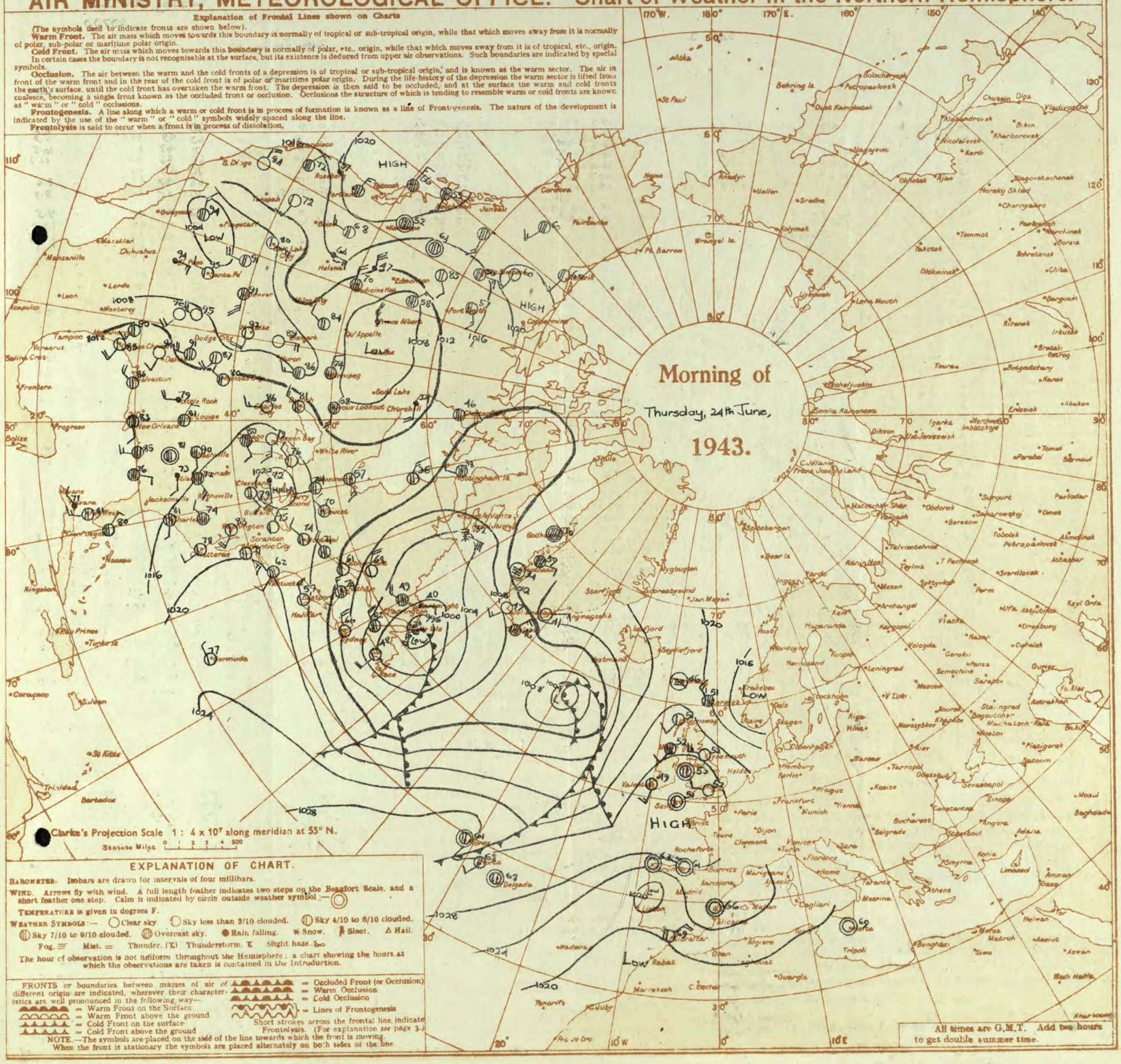
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Thursday 24th June, 1943

No. 23722.

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

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	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	29.5	+4	W	1	b	52	92	50	7	-	4	-	0	Tr	-
	S. Farnborough	226	30.2	+6	WNW	2	b	52	85	50	7	-	-	-	0	0	-
	Boscombe Down	417	30.3	+6	W'N	1	2o	49	97	49	6	-	3	-	0	Tr	-
	Thorney Island	10	29.9	+2	NW'W	1	b	51	92	49	7	-	-	-	0	0	-
	Lympne ..	283	28.9	+6	NW	2	b	52	85	47	7	-	3	-	0	1	-
	Manston ...	154	28.4	+6	NW	2	b	58	75	51	7	-	3	-	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	28.2	+6	W'N	3	bc	59	75	48	7	5	-	-	4-6	4-6	6300
	Gorleston ...	5	27.7	+6	W'N	1	b	53	92	51	7	5	-	-	1	1	1500
	Mildenhall ...	15	28.4	+10	W	2	b	50	85	46	7	5	-	-	1	1	4000
	Cranwell ...	203	28.3	+6	W	3	b-bc	50	85	46	7	-	5	-	0	2-3	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	29.4	+6	WNW	1	b-bc	50	92	46	8	-	-	1	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30.9	-2	W	3	b	55	92	53	7	1	-	-	Tr	Tr	2500
	Bristol ...	209	30.6	+6	W	1	2o	51	97	51	5	-	-	4	0	2-3	-
	Portland Bill ...	32	30.6	+2	W	3	c-bc	57	92	55	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	31.5	+2	NW'W	1	b	51	97	51	7	-	-	-	0	0	-
	The Lizard ...	240	31.6	+2	NNW	2	b	49	97	49	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	32.0	-2	-	0	b	51	97	50	6	5	-	-	Tr	Tr	1800
	Guernsey ...	175															
6	Pembroke ...	142	30.8	+6	NW'N	1	b-bc	54	97	53	7	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	29.9	+6	-	0	bc	53	92	51	8	5	3	-	4-6	4-6	4000
	Chester (Sealand)	16	29.4	+10	NNW	1	b-bc	52	85	48	7	5	4	-	1	2-3	3500
8	Manchester ...	235	28.8	+10	WSW	1	2o	49	97	48	6	4	-	1	1	2-3	2500
10	Spurn Head ...	29	27.0	+10	WNW	5	b-bc	55	85	49	7	1	4	-	2-3	2-3	2500
	Catterick (Sc)...	192	27.2	+10	W	4	b	51	85	46	7	-	4	-	0	1	-
	Tynemouth ...	108	26.4	+18	W	5	b	52	85	48	7	-	-	-	0	0	*
11	St. Abbs Head	280	23.9	+16	WNW	5	b-bc	53	75	46	7	4	4	-	2-3	2-3	4000
	Leuchars ...	36	25.6	+18	W	3	bc	50	85	45	9	5	5	-	Tr	4-6	4500
12	Renfrew (Abbots I.)	19	27.1	+10	WSW	1	c-bc	50	85	45	7	5	5	6	4-6	7-8	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28.7	+10	W'N	2	c	51	92	49	8	5	4	-	9+	9+	4500
13A	Tiree	44	27.0	+6	SW	1	c-bc	48	97	48	7	5	3	6	Tr	7-8	2000
13B	Stornoway ...	15	25.9	+6	SW	2	b	51	92	49	8	5	-	-	1	1	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	24.0	+16	WNW	3	b-bc	51	85	47	9	4	-	-	2-3	2-3	3500
	Wick ...	114	23.7	+18	NW	2	2o	51	97	49	7	5	-	-	7-8	10	500
16	Sumburgh ..	19	20.7	+22	NW	4	2o	51	97	49	5	5	-	-	10	10	500
17	Blacksod Point	18	27.5	-10	S'W	4	c-bc	54	85	50	7	8	-	-	7-8	7-8	2500
18	Malin Head ...	84	27.8	+6	SW	2	c-bc	52	92	50	8	2	-	1	4-6	7-8	1500
	Aldergrove ...	268	29.4	+10	-	0	c-bc	51	92	49	8	5	3	-	4-6	7-8	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29.3	-10	S'W	3	b-bc	49	85	45	9	5	-	-	2-3	2-3	2500
	Roches Point	22	30.7	+6	N	1	b	54	97	53	8	5	-	-	Tr	Tr	2500

OBSERVATIONS at 7 hr. G.M.T. 24th June

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)	29.9	+4	NNW	1	2o	58	75	50	6	-	-	-	0	0	-	0	*
	Croydon ...	30.1	+2	NW'W	1	b	58	75	48	6	-	-	-	0	0	*	0	*
	S. Farnborough	30.2	0	NW	1	b	55	85	50	8	-	4	-	0	Tr	-	0	*
	Boscombe Down	30.4	+2	NW'W	2	c-f-	51	97	51	2	5	-	-	10	10	<150	0	*
	Thorney Island	30.0	+2	-	0	b	59	75	51	8	-	-	1	0	Tr	-	0	*
	Lympne ..	29.7	+6	NW	3	b	57	85	53	7	-	-	1	0	Tr	-	0	1
	Manston ...	29.3	+6	W'N	1	b	59	75	51	8	1	-	1	Tr	Tr	5000	0	*
2	Shoeburyness ...	29.1	+6	NNW	1	b	59	75	51	7	-	-	-	0	0	-	0	*
	Felixstowe ...	29.2	+8	W	3	b	57	75	50	7	-	-	-	0	0	-	0	3
	Gorleston ...	27.9	+2	WNW	3	b	58	92	55	7	-	-	-	0	0	-	0	2
	Mildenhall ...	29.0	+10	NW'W	3	b	57	75	49	7	-	-	1	0	Tr	-	0	*
	Cranwell ...	28.6	+4	W	3	2o	55	85	50	6	-	-	1	0	Tr	-	0	*
3	Birmingham ...	29.5	0	WNW	2	2o	56	75	48	6	-	-	-	0	0	-	1	*
	Upper Heyford	29.6	+2	NW'N	1	b	55	85	50	8	-	4	1	0	Tr	-	0	*
4	Ross-on-Wye	27.8	0	S	2	b	55	85	49	8	-	-	4	0	1	-	0	*
5	Hartland Point	29.9	0	E	3	bc	55	92	53	6	5	-	1	2-3	4-6	1200	0	3
	Bristol ...	30.5	-2	NW	1	2o	55	97	55	6	1	-	1	1	2-3	2500	0	*
	Portland Bill ...	30.6	+4	N	2	bc	55	92	52	8	2	-	-	4-6	4-6	4000	1	3
	Plymouth ...	31.0	0	S'E	1	b-bc	54	85	49	7	-	4	2	0	2-3	-	0	1
	The Lizard ...	31.2	+6	-	0	bc	55	97	53	8	7	4	-	2-3	4-6	3000	1	
	Scilly (St. Mary's)	30.5	-2	SE	1	c-bc	54	97	53	7	5	4	5	2-3	7-8	1200	0	2
	Guernsey ...																	
6	Pembroke ...	29.7	-4	SE	2	F	53	97	53	1	-	-	-	10	10	<150	0	3
7	Holyhead (Valley)	29.1	-4	SSW	1	bc	58	85	52	8	-	3	9	0	4-6	-	0	1
	Chester (Sealand)	28.6	-2	-	0	bc	59	75	50	8	1	-	1	2-3	4-6	3000	0	*
8	Manchester ...	29.0	+2	SSW	2	2o	54	92	51	6	2	6	-	2-3	4-6	3000	0	*
10	Spurn Head ...	28.2	+10	WNW	4	b-bc	55	75	48	7	1	4	-	1	2-3	4000	0	3
	Catterick (Sc)...	27.8	0	W	1	bc	56	75	49	8	5	-	9	Tr	4-6	3000	0	*
	Tynemouth ...	26.9	+4	WSW	4	bc	53	85	47	7	-	4	2	0	4-6	-	0	2
11	St. Abbs Head	25.5	+4	WNW	3	c-bc	53	75	46	9	4	3	-	2-3	7-8	4500	0	4
	Leuchars ...	26.0	+6	WSW	2	c-bc	55	65	44	8	-	3	8	0	7-8	-	0	*
12	Renfrew (Abbots I.)	26.8	-4	SW	2	c	55	75	49	8	8	3	6	4-6	9	2500	1	*
	Eskdalemuir ...	27.4	-2	SSE	2	bc	49	85	45	8	5	7	-	1	4-6	2500	1	*
	Point of Ayre...	28.1	-4	SW'W	1	b-bc	57	75	50	8	1	8	4	Tr	2-3	3000	0	3
13A	Tiree	25.3	-10	SSW	3	c	54	97	51	8	5	7	-	4-6	9+	3000	1	2
13B	Stornoway ...	24.3	-10	SSE	4	c-bc	53	92	51	8	8	3	5	2-3	7-8	2500	0	3
15	Dalwhinnie ...	26.0	0	SW	1	c	49	75	42	8	1	3	-	1	9	4000	1	*
	Aberdeen † ...	25.4	+6	NW'N	3	c	55	75	48	8	8	-	-	7-8	9	4000	1	2
	Wick ...	24.5	0	WNW	2	id	52	85	47	8	5	-	-	9+	9+	1500	0	*
16	Sumburgh ..	22.6	+6	N	2	c	52	85	48	7	5	-	-	9+	9+	1500	0	2
17	Blacksod Point	23.7	-14	S	5	c	56	85	52	7	6	-	-	9+	9+	2500	1	4
18	Malin Head ...	25.4	-10	S	3	bc	55	75	48	8	4	-	-	4-6	4-6	1500	2	2
	Aldergrove ...	27.4	-10	S	1	bc	54	85	50	7	1	4	2	Tr	4-6	1500	1	*
19	Birr Castle ...	27.1	-6	S'E	3	bc	55	85	51	8	-	3	-	0	4-6	-	1	*
20	Valentia Obsy.	26.0	-10	S'E	5	c	57	85	53	8	7	-	-	9+	9+	5700	1	3
	Roches Point	29.1	0	SSW	3	c	54	92	52	8	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F.	Temperature Min. Night 18h–7h °F	Temperature Min. on Grass °F.	Rainfall Day 7h–18h mm.	Rainfall Night 18h–7h mm.	Sunshine 23rd Hrs.
1	London (Kew)	69	51	36	-	-	6.2
	Croydon ...	69	49	43	-	-	6.9
	S. Farnborough	71	48	37	-	-	10.5
	Boscombe Down	68	46	42	-	-	12.3
	Thorney Island	70	55	41	-	-	*
	Lympne ..	68	47	44	-	-	8.6
	Manston ...	70	55	51	-	-	8.7
2	Shoeburyness ...	72	49	44	-	-	9.5
	Felixstowe ...	72	53	49	-	-	10.4
	Gorleston ...	68	49	43	-	-	7[illegible]
	Mildenhall ...	68	46	38	-	-	9.4
	Cranwell ...	66	47	44	-	-	9.2
3	Birmingham ...	64	50	40	-	-	6.1
	Upper Heyford	65	47	35	-	-	*
4	Ross-on-Wye	65	45	38	-	-	3.2
5	Hartland Point	61	52	49	-	-	13.4
	Bristol ...	66	46	36	-	-	9.7
	Portland Bill ...	60	55	*	-	-	*
	Plymouth ...	66	48	37	-	Tr	10.5
	The Lizard ...	63	49	*	-	-	13.0
	Scilly (St. Mary's)	65	49	*	-	-	13.8
	Guernsey ...						
6	Pembroke ...	58	50	*	-	-	11.3
7	Holyhead (Valley)	63	46	37	-	-	*
	Chester (Sealand)	65	48	37	-	-	9.1
8	Manchester ...	64	47	36	-	-	*
10	Spurn Head ...	64	52	*	-	-	10.1
	Catterick (Sc)...	63	47	38	0.2	-	4.1
	Tynemouth ...	65	49	47	-	-	*
11	St. Abbs Head	62	51	*	-	-	*
	Leuchars ...	65	46		Tr	Tr	10.3
12	Renfrew (Abbots I.)	62	47	40	0.6	-	6.8
	Eskdalemuir ...	59	44	34	1	Tr	4.8
	Point of Ayre...	65	46	*	0.3	-	8.3
13A	Tiree	59	46	42	Tr	-	9.0
13B	Stornoway ...	62	45	39	Tr	-	6.5
15	Dalwhinnie ...	59	45	35	0.2	0.5	7.6
	Aberdeen † ...	65	49	42	14	0.3	5.3
	Wick ...	60	46	46	1	Tr	*
16	Sumburgh ..	60	49	48	Tr	-	6.6
17	Blacksod Point	59	52	*	-	-	*
18	Malin Head ...	58	47		0.3	-	4.7
	Aldergrove ...	60	43	39	0.2	0.1	3.2
19	Birr Castle ...	63	44	39	-	-	11.6
20	Valentia Obsy.	61	49	41	-	Tr	12.1
	Roches Point	67	54		-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 23rd June			18h. G.M.T.			01h. G.M.T. 24th June			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 3-	02856	25426	8-	02846	26427	53	02745	27327	52	02855	28356
115			54	02854	24326	52	09735	21328	54	09844	20327
203			8-	02945	24425				53	02844	16428
206 26	02854	24525	2-	01954	24424	5-	02855	00025	17	02962	24125
210 8-	81857	25227	86	81855	27326	5-	01855	25215	13	01862	24214
219 20	02855	26525	87	25745	25688	15	01844	20314	57	02845	17417
230 8-	81757	22387	8-	02855	25385	8-	02852	24124	57	02737	20127
245 36	25954	22484	86	01953	28484	54	01961	22311	84	01851	21203
260 8-	02846	55427	2-	02755	53515	50	05662	22313	13	01762	20324
278 86	25855	25586	76	02845	28585	53	02842	24216	57	01742	12214
279 8-	21847	55527	8-	02854	24324	54	02864	28215	53	01863	24115
285 26	02855	24627							13	01743	20515
288 26	02855	55526	8-	02855	56425				04	01890	22214
575 8-	01854	57314	70	01864	26414	24	05062	00024	53	05664	18116
301 8-	02875	2326	24	01852	26415	43	02854	28126	26	01854	00024
321 8-	02766	26326	26	01763	26414	04	05690	25213	00	05690	26113
299 8-	02755	24415	54	01753	24514	40	00752	24402	04	00790	28302
292						04	01890	23203	03	01990	00014
310 --	01634	24514							--	01625	26115
614 86	02755	26427	46	01854	57314	04	05690	28112	50	05551	25113

13h. G.M.T. 23rd June			18h. G.M.T.			01h. G.M.T. 24th June			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
388 16	01863	20415	57	02845	21328	53	01864	24114	50	01742	00014
334									--	01751	02103
340 86	02954	26425				54	01763	28114	04	01790	20113
136 57	02854	22527	76	02855	24526	04	01790	24311	10	05651	28301
336			10	01753	28414				--	46309	24349
350 10	02867	25417				04	01790	24212	00	05690	28211
368 27	01743	23460	53	01762	24413	00	05690	26310	70	05665	26155
379 5-	02844	26325	5-	02853	26325	03	01890	26202	00	01790	28201
390 50	02765	24415	5-	02776	28426	00	05690	26220			
382			77	02766	25326	04	05690	00012	04	01790	26111
438 50	05633	22513	54	02663	22615	50	01652	00012	50	01762	32302
430 10	01865	23315	40	01753	20314	00	00890	27110			
409 2-	02755	25415	10	01753	25323	50	01743	00003	00	01790	03224

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 24th June 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cbcy	bccy	cybczw	
Croydon ...	bcy	bcycy	cybcbm	
Greenwich ...	cby	bccy	cby	
Camden Square	bc	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	bc	

Kew 24 hours ended 7h. Max. T[illegible] 0.1 1[illegible] Min. Time 20.1 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 % (Yesterday)	Humidity 9h % (To-day)
Kew	69	51	36	-	-	5.6	*	*	
Croydon ...	69	49	43	-	-	6.9	*	*	
Greenwich ..	71	51	38	-	-	7.9	43		
Westminster	69	52	48	-	-		45	45	
Regents Park ..	69	51	46	-	-		43	47	
Camden Square	70	52	47	-	-	*	*	51	
Kensington ...	70	51	40	-	-		55	49	
Hampstead ...	68	49	42	-	-		*	52	

SECRET

Friday 25th June 1943

Page 1 BRITISH SECTION

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

No. 29800

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

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)	28·8	−6	NW	2	bc	68	45	46	8	1	–	4	4-6	4-6	4000
	Croydon ...	29·0	−6	W	1	b-bc	69	45	44	8	1	–	1	2-3	2-3	3500
	S. Farnborough	28·9	−6	W	3	b-bc	71	45	47	8	1	–	1	2-3	2-3	3500
	Boscombe Down	28·8	−10	WNW	2	bc	70	55	44	8	1	–	1	2-3	4-6	3500
	Thorney Island	29·6	−2	SSW	4	b	60	65	51	9	4	–	1	1	1	4000
	Lympne ...	29·6	0	SSE	3	bc	65	65	52	8	1	–	–	4-6	4-6	4000
	Manston ...	29·0	−4	WNW	3	c-bc	68	45	46	8	4	–	6	2-3	7-8	3500
2	Shoeburyness ...	28·8	−14	NW	1	bc	71	45	48	8	1	–	2	2-3	4-6	4000
	Felixstowe ...	28·6	−2	WNW	2	c-bc	70	45	51	8	1	7	1	4-6	7-8	2500
	Gorleston ...	28·9	+8	NE	3	bc	59	75	49	7	2	–	1	4-6	4-6	2500
	Mildenhall ...	28·5	−2	WNW	3	bc	70	45	48	8	1	–	1	4-6	4-6	4000
	Cranwell ...	27·5	−6	W	3	bc	67	55	49	7	1	–	1	2-3	4-6	3500
3	Birmingham ...	28·2	−6	WSW	3	bc	67	45	45	8	1	–	3	2-3	4-6	5700
	Upper Heyford	28·4	−10	W	3	c-bc	67	55	50	8	1	–	2	7-8	7-8	3000
4	Ross-on-Wye	28·0	−8	NWN	3	b-bc	69	55	50	7	1	–	3	2-3	2-3	3500
5	Hartland Point	29·2	−8	W	3	bc	62	85	58	7	1	4	8	1	4-6	2500
	Bristol ...	29·2	−6	WNW	2	b	69	55	54	8	1	–	1	Tr	Tr	4000
	Portland Bill ...	29·7	−4	SW	2	bc	61	85	57	8	2	–	–	4-6	4-6	4000
	Plymouth ...	30·5	−2	SWS	3	b-bc	61	75	54	9	1	–	1	Tr.	2-3	4000
	The Lizard ...	30·0	−2	–	0	bc	69	85	58	8	7	–	–	4-6	4-6	3500
	Scilly (St. Mary's)	30·0	−4	SE	3	c-bc	63	65	53	7	5	4	2	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	29·5	−4	SWW	3	b-bc	58	92	55	8	2	4	1	2-3	2-3	2500
7	Holyhead (Valley)	28·3	−6	SWS	4	2c	60	75	53	6	6	3	1	7-8	7-8	400
	Chester (Sealand)	26·4	−18	WS	1	c-bc	72	45	48	8	1	3	9	4-6	7-8	3000
8	Manchester ...	27·1	−14	WSW	3	c-bc	67	55	47	9	4	3	2	2-3	7-8	3000
10	Spurn Head ...	27·7	−2	ESE	3	bc	61	65	47	7	7	3	–	4-6	4-6	2500
	Catterick (Sc) ...	26·7	−6	W	2	c-bc	68	55	51	9	1	4	9	2-3	7-8	3500
	Tynemouth ...	26·5	−4	SE	2	bc	59	75	50	7	2	4	1	4-6	4-6	2600
11	St. Abbs Head	25·4	−6	NE	2	c	59	75	51	7	5	4	–	4-6	9+	3000
	Leuchars ...	24·4	−16	SSW	2	c	65	55	47	8	1	9	1	4-6	9	2500
12	Renfrew (Abbots I.)	24·7	−20	SW	3	c	62	65	49	8	5	7	1	7-8	9	2500
	Eskdalemuir ...	25·9	−4	SW	4	c-bc	59	75	49	8	7	7	–	4-6	7-8	2500
	Point of Ayre ...	26·6	−14	S	3	b-bc	59	75	51	8	1	–	5	2-3	2-3	3000
13A	Tiree ...	21·4	−38	SSE	4	rr	54	92	52	7	5	7	–	2-3	9+	1500
13B	Stornoway ...	22·0	−16	SSW	4	c/pr	53	92	51	7	1	7	–	2-3	10	2000
15	Dalwhinnie ...	24·2	−2	SSW	2	c	56	85	50	7	5	2	–	4-6	10	2500
	Aberdeen ...	24·8	−10	S	3	c	57	65	45	8	7	7	–	1	10	4000
	Wick ...	24·3	−2	SE	3	c-bc	51	85	49	9	8	–	–	9	9	2700
16	Sumburgh ...	23·2	+2	W	3	0	52	92	50	7	5	–	–	10	10	2000
17	Blacksod Point	21·7	−6	S	6	dd	56	97	56	6	6	2	–	4-6	10	1500
18	Malin Head ...	22·5	−14	S	1	r0r0	58	75	50	7	8	–	–	9+	9+	1500
	Aldergrove ...	25·1	−20	S	2	c/pr	65	65	54	8	8	7	–	4-6	9	4000
19	Birr Castle ...	24·2	−14	S	2	c	62	75	54	8	5	2	–	9	10	2500
20	Valentia Obsy.	25·3	−2	SE	5	r0r0	57	97	57	6	6	–	–	10	10	800
	Roches Point	27·6	−8	SSW	3	c	55	85	57	8	5	–	–	9	9	1500

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

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)	26·1	−12	WN	2	bc	74	35	44	8	1	5	1	Tr	4-6	4000	0	*
	Croydon ...	26·4	−14	SW	1	bc	73	45	49	8	–	8	9	0	4-6	–	0	*
	S. Farnborough	26·4	−12	SWW	3	b-bc	73	45	49	8	1	–	8	Tr	2-3	4000	0	*
	Boscombe Down	26·6	−10	SW	3	b-bc	69	55	52	8	1	–	1	1	2-3	4000	0	*
	Thorney Island	27·5	−4	SWS	3	b-bc	67	65	54	9	–	–	2	0	2-3	–	0	*
	Lympne ...	28·0	−6	SW	2	b-bc	61	65	48	8	–	–	9	0	2-3	–	0	§ 2
	Manston ...	27·3	−6	SW	3	c-bc	63	55	48	8	–	3	6	0	7-8	–	0	*
2	Shoeburyness ...	26·5	−16	ESE	2	bc	58	75	58	8	–	7	2	0	4-6	–	0	*
	Felixstowe ...	27·1	−12	SE	4	c	66	75	58	8	–	3	9	0	9	–	0	3
	Gorleston ...	26·7	−12	SE	3	bc	61	75	54	7	–	7	–	0	4-6	–	0	3
	Mildenhall ...	26·0	−14	W	2	b-bc	71	45	50	8	4	4	1	1	2-3	4500	0	*
	Cranwell ...	25·3	−10	WS	3	bc	70	55	51	7	2	7	–	2-3	4-6	3500	0	*
3	Birmingham ...	25·8	−8	SW	3	c-bc	69	55	41	8	–	8	–	0	7-8	–	1	*
	Upper Heyford	26·2	−10	WN	3	c-bc	70	55	51	7	–	3	–	0	7-8	–	0	*
4	Ross-on-Wye	26·2	−10	SW	3	c-bc	69	45	46	8	–	9	–	0	7-8	–	0	*
5	Hartland Point	27·4	−12	W	3	bc	61	75	53	8	–	3	8	0	4-6	–	0	3
	Bristol ...	27·1	−10	WNW	3	bc	68	65	57	8	1	8	9	Tr	4-6	–	0	*
	Portland Bill ...	28·1	−10	SW	2	bc	60	85	56	8	2	–	–	4-6	4-6	4000	0	3
	Plymouth ...	29·3	−4	SW	2	b	60	85	55	9	–	–	2	0	1	–	0	2
	The Lizard ...	28·3	−4	S	2	b-bc	61	75	54	8	7	–	–	2-3	2-3	3500	0	2
	Scilly (St. Mary's)	28·4	−8	SWW	3	bc	61	75	52	7	7	4	5	2-3	4-6	1500	0	3
	Guernsey ...																	
6	Pembroke ...	28·1	−2	WS	3	c-bc	57	85	53	8	8	4	–	7-8	7-8	2500	0	3
7	Holyhead (Valley)	25·9	−14	SW	6	c	57	85	51	8	8	9	1	7-8	9	4000	1	4
	Chester (Sealand)	24·9	−12	WN	2	c	68	55	51	8	8	–	2	7-8	9	3500	0	*
8	Manchester ...	25·1	−10	WNW	3	bc	67	65	53	9	2	6	9	2-3	4-6	3000	0	*
10	Spurn Head ...	26·0	−10	SE	3	bc	59	85	54	7	7	3	–	4-6	4-6	2500	0	2
	Catterick (Sc) ...	25·6	−6	WSW	1	c/pr	63	65	51	8	7	6	8	4-6	9	3000	0	*
	Tynemouth ...	25·8	−4	S	3	c	57	75	48	7	8	–	–	9	9	2200	0	2
11	St. Abbs Head	22·1	−12	SSW	3	c	62	65	50	8	5	4	–	7-8	9+	2500	0	3
	Leuchars ...	22·2	−14	SSE	3	c	60	65	51	8	5	7	–	4-6	9+	4000	0	*
12	Renfrew (Abbots I.)	22·5	−10	SW	4	c	60	75	51	8	5	2	–	4-6	9+	2000	1	*
	Eskdalemuir ...	23·7	−14	SSW	5	pr	54	85	50	8	8	–	–	9+	9+	2100	1	*
	Point of Ayre ...	24·0	−18	WSW	4	rr	57	85	53	7	–	2	–	10	10	2000	1	3
13A	Tiree ...	19·7	−18	S	4	id	54	97	54	4	5	–	–	10	10	200	1	2
13B	Stornoway ...	18·6	−18	S	6	d0d0	53	92	51	5	5	2	–	7-8	10	800	1	3
15	Dalwhinnie ...	20·5	−12	SSW	3	c	56	65	46	7	5	6	–	4-6	10	2500	1	
	Aberdeen ...	21·9	−18	SW	3	c/pr	56	75	49	7	2	9	–	Tr	9+	2500	1	2
	Wick ...	21·6	−14	ESE	3	c	53	92	50	8	–	7	–	0	10	–	0	
16	Sumburgh ...	21·6	−10	SW	1	c	51	85	48	8	5	1	6	4-6	9+	2000	0	2
17	Blacksod Point	21·7	+2	WSW	5	c	58	85	54	7	8	–	–	9+	9+	1500	1	4
18	Malin Head ...	20·2	−10	W	4	pr	59	85	55	8	8	–	–	9+	9+	1500	2	4
	Aldergrove ...	22·7	−6	SSW	1	c	59	92	56	8	5	2	–	9	10	1500	1	*
19	Birr Castle ...	23·8	−2	SW	2	c	61	85	57	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	25·4	+2	WS	3	c-bc	59	85	55	8	2	–	4	2-3	7-8	1500	1	3
	Roches Point	26·0	−10	SSW	3	id0	56	97	56	6	5	–	–	10	10	800	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 24th (39)	13h.—18h. 24th (40)	18h. 24th to 1h. 25th (41)	1h.—7h. 25th (42)
1	London (Kew)	bz0bcy	bcy	bcy bc	bcc
	Croydon ...	bcy	bcy	bcybc	bcc
	S. Farnborough	bbcy	bcy	cbc	bccwc
	Boscombe Down	bmobcbcy	bcy	bybcb	cm0ofcm0c
	Thorney Island	bc	bcy	bcbw	bcwfgc
	Lympne ...	cybc	bc	bcbbc	bcc
	Manston ...	by	cbcbyc	bcbbc	bcc
2	Shoeburyness ...	bwbcy	bcybc	bc	bccz0
	Felixstowe ...	bcbcy	bcc	cbc	cm0c
	Gorleston ...	bc	bc	bcz0	bcz0c
	Mildenhall ...	bbcy	bcy	bcybc	bcm0cz0
	Cranwell ...	bczoy	bc	cbcm0bcz0	bcm0c
3	Birmingham ...	bbc	bcy	bc	bcc
	Upper Heyford	bwbcbcy	cy	cycbc	cm0ccm0
4	Ross-on-Wye	bbcy	bcy	cbc	c
5	Hartland Point	bc	bcb	bccbc	ciF
	Bristol ...	bcby	bcybc	bcc,wbcw	cm0wcm0
	Portland Bill ...	bc	bc	bc	c
	Plymouth ...	bc	bcb	bbcw	bccm0jf
	The Lizard ...	bc	bc	bcw	bcc
	Scilly (St. Mary's)	bcc	cbc	cbcbw	bcodf
	Guernsey ...				
6	Pembroke ...	cbc	bcc	cd0d0m0	cm0
7	Holyhead (Valley)	bcc	bcc	r0r0d0d0	om0c
	Chester (Sealand)	bccbc	cybcc	cyirc	cr0
8	Manchester ...	cbcz0	cbccy	irir0q	r0ddm0
10	Spurn Head ...	bc	bc	cir0	cm0
	Catterick (Sc) ...	bcby	cpr0c	c	c
	Tynemouth ...	bc	bcc	cp0c	c
11	St. Abbs Head	bccm0	cm0ipr	ccbcm0c	cbc
	Leuchars ...	ccy	cir0c	cbcc	c
12	Renfrew (Abbots I.)	cbcc	cir0c	cm0r0c	d0r0cid0
	Eskdalemuir ...	cbcc	cpr0	crr0r	crrpr
	Point of Ayre ...	bc	bcprcrrrc	rrc	c
13A	Tiree ...	cir0r0r	cm0rir0	cid0c	ccd0d0m0c
13B	Stornoway ...	ccir0	cir0cid0	cd0d0m0c	cd0d0m0
15	Dalwhinnie ...	cbco	ocpr0		cir0c
	Aberdeen ...	c	ccir0pr0	bccbcpr0c	c
	Wick ...	cpr0c	ccir0	cir0c	cid0c
16	Sumburgh ...	c	c	cr0r0c	cm0d0d0
17	Blacksod Point	d	c	d	d
18	Malin Head ...	r	r	pr	pr
	Aldergrove ...	bccpr0c	cpr0prc	c	ccid0
19	Birr Castle ...	c	r		pr
20	Valentia Obsy.	r	r	pr	bc
	Roches Point	c	d	d	c

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

District	
1	S.E. England
2	E. England ..
3	E. Midlands ...
4	W. Midlands
5	S.W. England
6	South Wales
7	North Wales
8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland
12	S.W. Scotland & Isle of Man
13A	W. Scotland ...
13B	N.W. Scotland
14	Mid Scotland
15	N.E. Scotland

Moderate or fresh west to northwest winds, decreasing; mainly fair but cloudy at first with local drizzle mainly on west and south coasts; cloud breaking up and weather becoming fine in most areas except possibly 16. Good visibility; rather warm and close.

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

As 1-15.

GENERAL INFERENCE

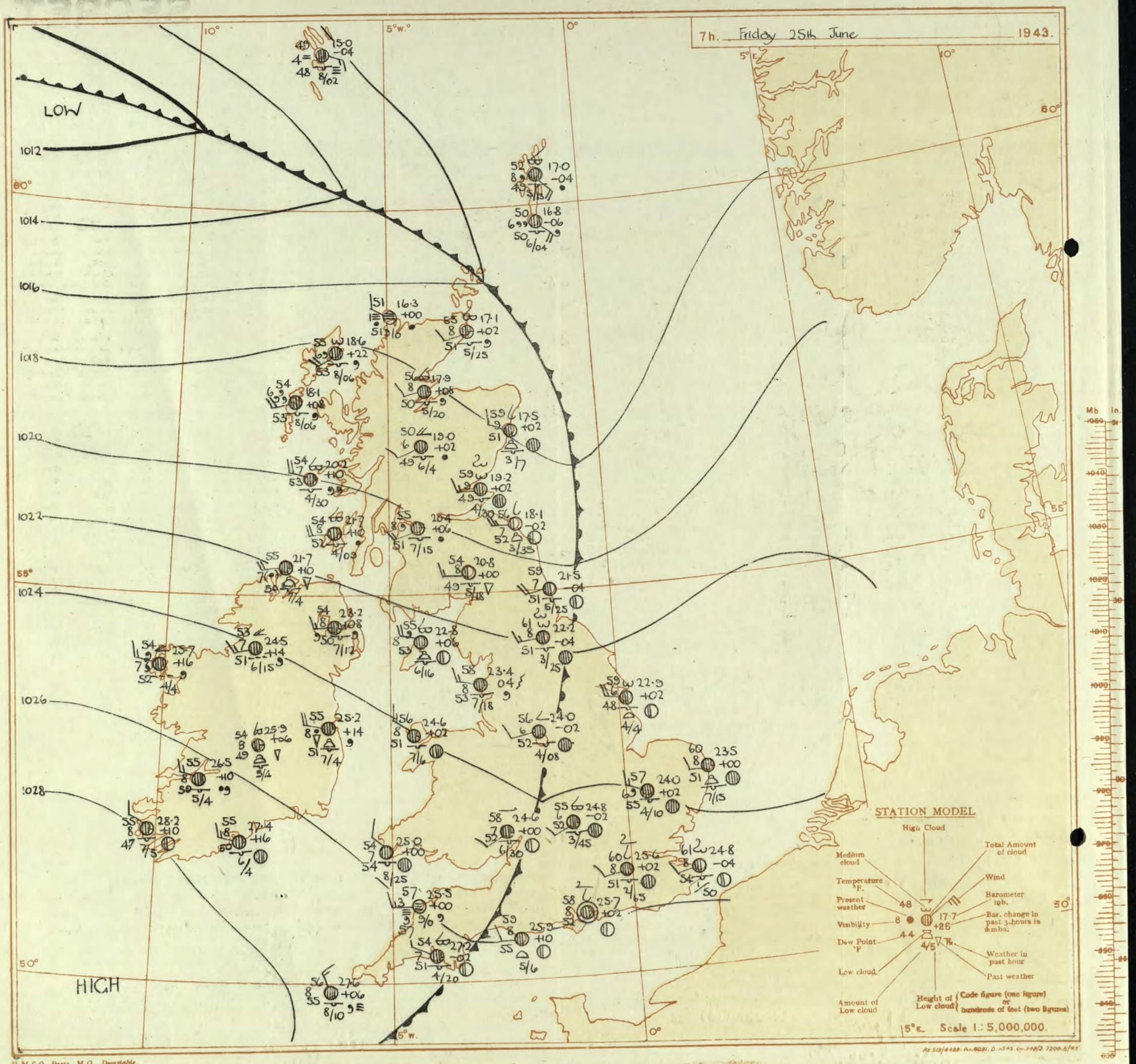
Anticyclone to southwest of Ireland moving northeast steadily. Weak trough over England moving southeast. It will be cloudy in most districts at first with local drizzle on west and north coasts; cloud breaking later and becoming fine; rather warm and close.

FURTHER OUTLOOK

Fine in South; cloudy with some slight rain in North Scotland later.

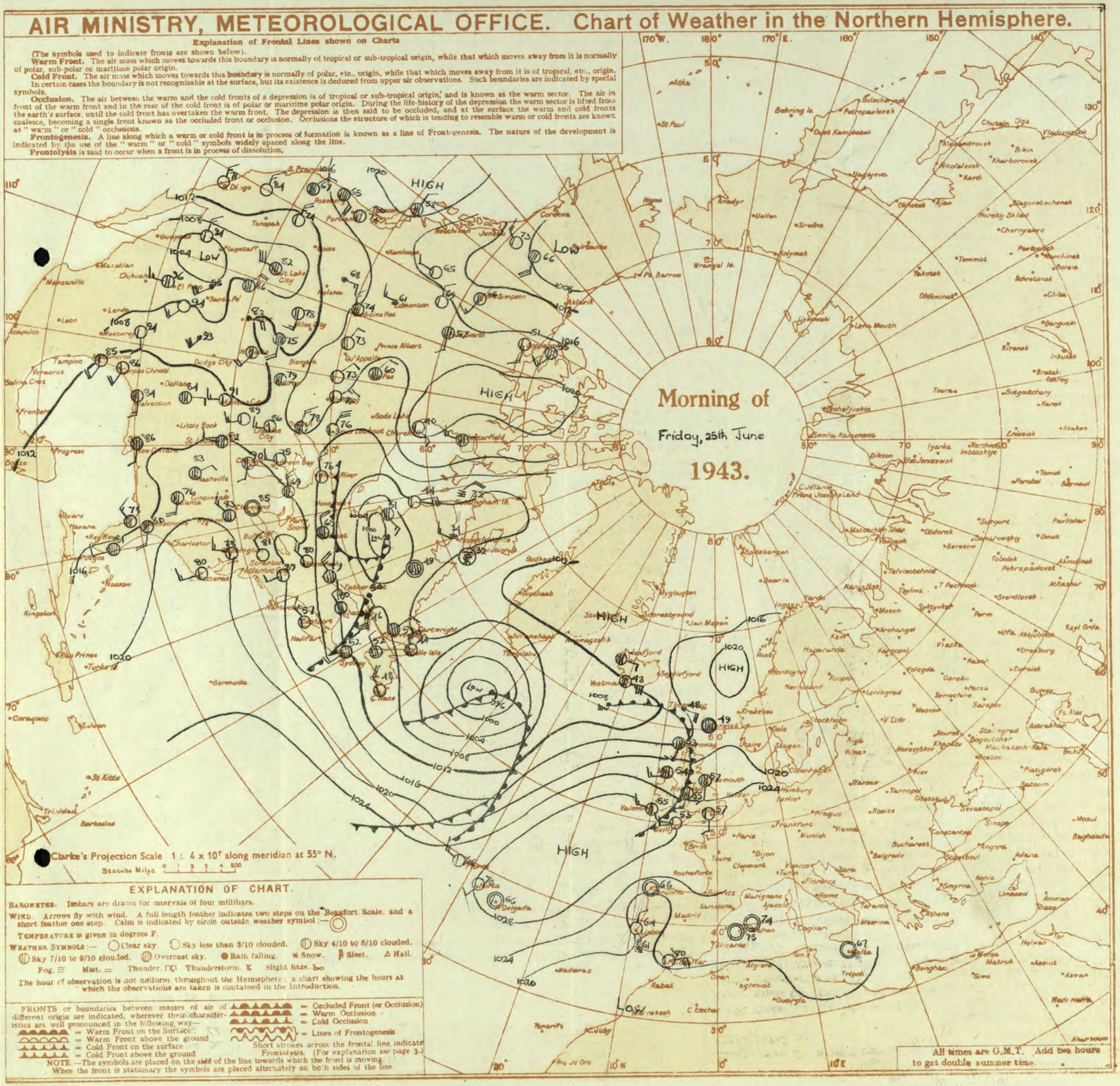
Forecasts issued at 10.30.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 25th June 1943

No. 29800

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

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon	290	26·5	-6	S	2	b-bc	57	75	50	7	-	4	2	0	2-3	-
	S. Farnborough	226	26·3	-2	W	2	bc	57	85	51	8	-	7	-	0	4-6	-
	Boscombe Down	417	26·7	-6	—	0	b-bc	52	92	49	8	-	4	-	0	2-3	-
	Thorney Island	10	26·4	-10	NW'W	1	b-bc	51	92	50	8	-	3	2	0	2-3	-
	Lympne	283	26·8	-10	WSW	2	bc	54	85	50	7	-	6	-	0	4-6	-
	Manston	154	25·9	-10	SW	2	b-be	55	85	49	7	-	3	-	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·9	-10	WSW	1	bc	61	75	54	7	-	7	-	0	4-6	-
	Gorleston	5	25·1	-10	S'W	2	z₀	58	85	52	6	-	7	8	0	4-6	-
	Mildenhall	15	24·7	-6	SW	2	c-bc	59	75	52	7	-	7	-	0	7-8	-
	Cranwell	203	23·8	-6	SW	2	z₀	58	75	51	6	5	4	-	1	4-6	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·9	-4	W	1	z₀	55	85	51	6	-	7	6	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·5	-6	W	4	c-bc	56	85	53	8	2	-	-	7-8	7-8	2500
	Bristol	209	27·8	-6	W	2	z₀	53	92	51	6	-	7	6	0	9	-
	Portland Bill	32	26·4	-10	SW	1	bc	57	85	53	8	5	-	-	4-6	4-6	4000
	Plymouth	86	27·7	-6	E'S	1	z₀	51	97	50	6	-	-	6	0	4-6	-
	The Lizard	240	27·8	-4	—	0	bc	53	97	53	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	27·9	-8	W'S	2	b-bc	53	92	51	7	5	-	-	2-3	2-3	1200
	Guernsey	175															
6	Pembroke	142	26·2	-12	W'S	3	d₀d₀	55	97	55	6	9	-	-	10	10	2500
7	Holyhead (Valley)	32	24·6	-6	S'W	3	z₀	55	92	53	5	5	-	-	10	10	700
	Chester (Sealand)	16	24·3	-6	W'N	1	c	58	75	50	7	5	7	-	4-6	10	3500
8	Manchester	230	24·0	-6	—	0	z₀	55	85	51	6	5	2	-	7-8	10	2500
10	Spurn Head	29	23·6	-10	WSW	3	o	55	85	52	7	8	7	-	7-8	10	2500
	Catterick (Sc)	192	23·5	-12	SSW	2	c	56	85	51	7	5	7	-	7-8	9	2500
	Tynemouth	108	22·8	-10	SSW	2	c	57	75	47	7	5	-	-	9+	9+	2500
11	St. Abbs Head	280	19·5	-10	SW	5	c	55	92	52	7	5	4	-	7-8	9	2500
	Leuchars	36	19·3	-10	WSW	2	c	56	85	53	7	5	7	-	7-8	10	1000
12	Renfrew (Abbots I.)	19	20·2	-4	W	2	c/r	55	85	52	7	5	2	-	7-8	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·1	-10	W'S	4	c	57	92	55	8	5	-	6	2-3	9+	2000
13A	Tiree	44	19·3	-2	WSW	3	c/d	54	97	53	7	5	-	-	9+	9+	2000
13B	Stornoway	12	16·6	-2	SSW	3	c/r	53	97	52	7	5	-	-	9+	9+	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	19·0	-2	—	0	c	53	92	51	7	5	3	-	9	9+	2000
	Wick	114	17·1	-16	S'E	1	c	54	85	50	7	5	7	-	7-8	10	2500
16	Sumburgh	19	18·9	-14	S	1	c/r	51	92	49	8	5	7	-	4-6	10	1500
17	Blacksod Point	18	23·5	+10	W'S	3	dd	53	92	51	6	6	2	-	4-6	10	1500
18	Malin Head	84	20·8	+6	WSW	4	c/pr	54	85	50	8	8	-	-	9+	9+	1500
	Aldergrove	268	22·4	+2	WSW	2	c	56	85	52	7	5	-	-	7-8	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·8	+6	W	3	bc	55	85	51	8	5	-	-	4-6	4-6	2500
	Roches Point	22	25·8	+2	W	2	b	55	97	54	8	5	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 25th June — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
London (Kew)	25·0	0	WSW	2	c	59	75	51	7	5	3	6	4-6	9+	2500	0	*	75	56	47	-	-	13·7
Croydon	25·6	+2	WSW	2	c	60	75	51	8	5	4	6	1	9+	6500	0	*	73	55	51	-	-	14·7
S. Farnborough	25·7	+4	W'S	2	c	55	85	51	7	5	7	8	2-3	9+	7200	0	*	75	52	39	-	-	14·3
Boscombe Down	25·7	+2	WNW	1	c	54	92	52	7	5	7	-	1	9+	1500	0	*	74	49	41	-	-	11·9
Thorney Island	25·7	+2	—	0	c	58	85	52	8	-	4	6	0	9	-	0	*	68	47	42	-	-	*
Lympne	25·4	-2	SW'S	1	c-bc	59	75	53	7	-	-	2	0	7-8	-	0	3 §	68	51	48	-	-	13·6
Manston	24·8	-4	WSW	2	c	61	75	54	8	5	-	9	Tr	10	5000	0	*	68	54	51	-	-	11·7
Shoeburyness	24·4	-2	W	2	z₀	62	75	55	5	1	4	6	Tr	7-8	4000	0	*	73	57	51	-	-	14·0
Felixstowe	23·8	-4	W'S	3	c	61	85	56	7	-	7	-	0	9+	-	0	2	73	57	54	-	-	[illegible]
Gorleston	23·4	0	W	2	c	60	75	51	8	8	-	-	9+	9+	1500	0	2	64	58	52	-	-	[illegible]
Mildenhall	24·0	+2	WNW	3	id₀	57	92	55	6	5	-	-	4-6	10	1000	1	*	72	56	50	-	Tr	13·9
Cranwell	23·3	+6	W'S	3	z₀	57	85	53	6	-	7	-	0	9+	-	0	*	71	55	53	-	0·3	13·1
Birmingham	24·6	0	WSW	3	c	56	85	51	8	6	3	-	4-6	9+	800	0	*	73	54	52	-	-	11·7
Upper Heyford	24·8	-2	SW'S	2	z₀	55	85	52	6	5	7	-	2-3	9+	4500	0	*	73	50	40	-	-	*
Ross-on-Wye	24·6	0	SW	2	c	58	85	52	7	5	-	1	9	9+	3000	0	*	72	53	48	-	-	12·2
Hartland Point	25·5	0	W	3	df	57	97	57	3	-	-	-	10	10	<150	1	4	62	55	54	-	0·2	12·6
Bristol	26·3	+4	W	2	id₀	57	92	55	7	5	2	-	9+	10	1800	0	*	72	52	46	-	-	12·6
Portland Bill	25·9	+10	W	2	c-bc	59	85	55	8	1	-	-	7-8	7-8	4000	0	3	61	61	*	-	-	*
Plymouth	27·2	-2	WNW	1	c	54	92	51	7	5	7	-	4-6	9+	2000	0	1	62	42	31	-	-	1·1
The Lizard	26·8	0	WNW	2	c	56	97	55	7	5	-	-	9	9	1500	0	3	63	51	*	-	-	13·2
Scilly (St. Mary's)	27·6	+6	NNW	3	c/e	56	97	55	8	5	-	-	10	10	1000	1	2	64	52	*	-	Tr	14·2
Guernsey																							
Pembroke	25·0	0	NW	2	c	54	97	54	7	5	-	-	10	10	2500	1	3	64	52		-	1	6·1
Holyhead (Valley)	24·6	+2	NW'W	3	c	56	85	51	8	5	-	-	9+	9+	3000	1	1	64	54	53	-	2	*
Chester (Sealand)	23·8	+8	NW'W	3	c	57	85	52	8	5	7	-	4-6	9+	2500	0	*	74	56	52	-	0·3	12·4
Manchester	23·4	+2	WSW	2	c/d	55	92	53	6	5	7	-	4-6	10	2500	1	*	71	54	53	-	1	*
Spurn Head	22·9	+2	WNW	4	c-bc	59	65	48	6	7	3	-	4-6	7-8	1500	0	2	64	(55)	*	-	-	9·2
Catterick (Sc)	22·2	-4	W	3	c-bc	61	65	51	8	5	3	9	2-3	7-8	2500	0	*	70	55	52	Tr	0·2	10·5
Tynemouth	21·5	-4	WSW	4	c-bc	59	75	51	7	5	-	-	7-8	7-8	2500	0	2	65	56	54	-	Tr	*
St. Abbs Head	18·1	-2	W	5	bc	56	85	52	7	2	4	-	2-3	4-6	3500	0	3	64	54	*	Tr	-	
Leuchars	19·2	+2	W	3	c-bc	59	75	49	9	5	3	9	4-6	7-8	3000	0	*	66	53	42	0·2	Tr	0·6
Renfrew (Abbots I.)	20·4	+6	WSW	3	id₀	55	85	51	8	5	-	-	9+	9+	1500	1	*	64	53	50	Tr	2	6·0
Eskdalemuir	20·8	0	W	3	c-bc	54	85	49	8	5	-	-	7-8	7-8	1800	1	*	61	51	50	Tr	5	5·4
Point of Ayre	22·8	+6	W'N	4	id₀	55	92	53	8	8	7	-	9	10	1600	1	4	65	54	*	1	2	
Tiree	20·2	+10	WNW	4	c/d	54	97	53	7	5	7	-	4-6	9+	3000	1	3	57	52	45	1	1	0·0
Stornoway	18·6	+22	SW	4	id₀	55	92	53	6	5	3	-	10	10	600	1	2	55	51	49	1	1	1·8
Dalwhinnie	19·0	+2	SW	2	c	50	92	49	6	5	2	-	9	10	1500	1	*	60	49	42	0·6	0·4	3·4
Aberdeen †	17·5	+2	WNW	2	c-bc	59	75	51	9	8	4	-	2-3	7-8	5700	1	1	60	53	47	Tr	Tr	3·6
Wick	17·1	+2	WSW	2	c	55	85	51	8	5	7	-	7-8	9	2500	0	*	59	51	47	0·2	0·1	*
Sumburgh	16·8	-6	SE'E	4	d₀d₀	50	97	50	6	5	-	-	9	10	400	1	2	54	50	48	-	2	*
Blacksod Point	25·7	+16	W'N	3	iD	54	92	52	7	6	2	-	4-6	10	1500	1	3	60	51	*	3	1	
Malin Head	21·7	+10	W'S	4	cjp	55	85	50	7	8	-	-	9+	9+	1500	2	4	68	52		1	0·6	2·1
Aldergrove	23·2	+8	W	3	id₀	54	85	50	8	5	-	-	9+	9+	1200	1	*	66	52	51	2	0·5	6·0
Birr Castle	25·9	+6	W	2	c	54	85	49	8	8	7	-	7-8	9	1500	1	*	65	52	50	0·3	0·2	4·6
Valentia Obsy.	28·2	+10	NW'W	2	c	59	75	47	8	5	-	-	9+	9+	2500	1	3	60	53	51	7	0·1	2·8
Roches Point	27·4	+16	WNW	3	c	55	85	50	8	5	-	-	9	9	1500	1	3	61	54		0·1	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	72	02854	27326	52	62645	16248	5-	51658	15258	5-	21748	23328
115	52	09744	22327	51	05735	12368	52	62735	20368	--	67109	20369
203												
206	57	02962	22128	57	22855	10267	5-	02867	18127	57	02855	22257
210	57	02961	27127	57	22864	07368	57	02854	21327	57	21955	22257
219	52	62654	16468	52	61625	17668	57	05645	19463	5-	54638	22458
280	57	22864	16167	52	52635	14168	5-	52638	21456	5-	51748	20258
245	15	02852	24327	57	02763	18467	5-	05647	00027	74	02864	22315
260	13	02863	20325	57	02854	20425	57	61744	53568	57	02755	20328
278	87	02864	10286	52	21756	18388	52	21746	20258	52	21846	24257
279	77	02854	20425	57	25353	18585	62	22625	19568	87	02855	24367
285	13	01853	26514							5-	51628	24458
288	16	02952	24215	49	02853	20317	57	02863	18227	57	02853	23227
575	52	62646	16268	27	02964	53456	52	02745	20327	62	21746	23358
301	18	01851	23224	53	02873	24326	5-	61658	54468	5-	02847	26357
321	13	05663	26225	56	05673	24125	57	61664	22168	57	05654	22127
290	73	05653	30213	54	01754	16315	5-	05657	26217	57	01753	24314
202	1-	01963	22225	57	02963	23226						
310	--	01634	24314							--	51428	20428
614	14	01764	24325	53	02864	22225	57	05664	24125	57	05656	24227

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
388	13	02854	19415	58	02844	18417	52	52566	18258	57	02856	27357
334	--	01772	26203							--	03427	26228
340	14	02961	22215				57	02754	22327	57	02965	23227
136	10	01763	24314	49	01771	23315	53	02764	20226	57	21636	22358
336	13	01763	24314							52	21656	20358
850	10	01863		03	01790	22115	07	02790	22215	57	51662	24227
368	10	01862	24114	53	01861	24314	52	05645	28317	52	52526	23258
379	10	01853	-----	53	01763	22214	07	01790	22314	57	05655	28267
390	10	02764	24324	04	01890	24122	03	05690	00014	07	05690	22228
382	10	01864	26214	05	01890	26313	07	02790	00015	57	05643	24228
438				54	01763	22414				57	02663	22315
430	10	01863	18313	00	01890	20313	00	01790	00014	07	02790	24127
409	10	01861	25312	04	01890	27203	50	01634	18124	5-	57108	25258

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 25th June
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bz bcy	bcy	bcybcbcc
Croydon	bcy	bcy	bcybcc
Greenwich	by	by	bc
Camden Square	b	b	*
Kensington	bc	bc	*
Hampstead	bc	bc	c *

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. <0·1 [illegible] Min. Time 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	75	56	47	-	-	13·7	*	*
Croydon	73	55	51	-	-	14·7	*	*
Greenwich	77	56	44	-	-	13·7	37	66
Westminster	75	56	54	-			43	71
Regents Park	76	56	53	-	-		49	69
Camden Square	77	57	52	-	-	*	*	71
Kensington	76	56	48	-	-		39	71
Hampstead	74	54	50	-	-		*	74

BRITISH SECTION

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

SECRET

Saturday 26th June 1943

No. 23801

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24·2	−8	W'N	2	c	67	65	53	7	8	–	–	9+	9+	2500
	Croydon ...	24·7	−4	W	2	c	67	65	54	8	5	7	–	7-8	9	3000
	S. Farnborough	24·4	−8	NNW	3	2o	69	55	54	6	7	7	–	4-6	4-6	2500
	Boscombe Down	24·7	−4	WSW	3	c-bc	68	65	54	8	2	–	–	7-8	7-8	3000
	Thorney Island	24·7	−6	WNW	3	c	69	75	60	8	5	7	–	9	10	2500
	Lympne ...	23·4	−14	S'W	2	bc	72	65	58	8	–	7	–	0	4-6	–
	Manston ...	23·1	−6	NW	3	c	70	55	53	8	5	7	–	4-6	9	5000
2	Shoeburyness ...	23·5	−10	NW	3	2o	70	65	56	6	7	–	–	10	10	2500
	Felixstowe ...	23·0	−18	W'N	3	c-bc	67	75	58	8	5	–	–	7-8	7-8	4000
	[illegible]leston ...	29·9	0	WNW	3	c	61	85	57	7	8	7	–	4-6	9	1500
	Mildenhall ...	23·2	−2	WNW	4	c	65	65	54	8	8	–	–	10	10	2500
	Cranwell ...	23·3	+2	WNW	4	c	65	55	50	7	5	–	–	2-3	9+	2000
3	Birmingham ...	24·2	+4	NW	4	c	63	65	51	8	8	–	–	9+	9+	1500
	Upper Heyford	24·0	−6	W'N	3	c	66	65	54	8	7	6	–	4-6	9	3000
4	Ross-on-Wye	24·9	+4	WNW	4	c	64	65	51	9	5	–	–	9	9	3500
5	Hartland Point	27·3	+6	NW	4	c	58	75	49	9	5	–	–	9+	9+	3000
	Bristol ...	25·5	−2	W	3	bc	66	75	58	8	8	–	–	4-6	4-6	4000
	Portland Bill ...	26·6	0	WSW	3	bc	60	92	56	8	2	–	–	4-6	4-6	4000
	Plymouth ...	27·0	−2	NW	3	c	64	75	54	8	5	–	–	9	9	2500
	The Lizard ...	27·6	0	NW	4	c-bc	63	75	54	8	7	–	–	4-6	7-8	3000
	Scilly (St. Mary's)	28·6	+2	N'W	3	c	63	65	53	7	5	4	–	7-8	9	1500
	Guernsey ...															
6	Pembroke ...	27·7	0	NW	3	bc	58	75	50	9	2	9	–	2-3	4-6	2500
7	Holyhead (Valley)	26·3	+10	WNW	4	bc	61	75	53	9	7	6	–	2-3	4-6	4000
	Chester (Sealand)	25·2	+10	NNW	4	c	60	75	50	8	5	2	–	7-8	10	2500
8	Manchester ...	24·7	+10	W'N	4	c	58	65	50	8	8	–	–	7-8	10	2000
10	Spurn Head ...	22·4	0	WNW	4	bc	63	65	52	7	2	3	–	2-3	4-6	2500
	Catterick (Sc.) ...	22·7	+2	WNW	3	c	60	75	52	8	5	–	–	9+	9+	2500
	Tynemouth ...	21·7	+2	W	4	c-bc	65	85	61	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	19·3	+10	WNW	4	bc	61	75	52	8	1	4	–	2-3	4-6	3500
	Leuchars ...	20·1	+6	W	3	c-bc	68	55	49	9	2	4	–	4-6	7-8	3500
12	Renfrew (Abbots I.)	22·1	+6	W	4	c	61	75	53	8	8	–	–	9	9	1400
	Eskdalemuir ...	20·8	+8	W	4	c-bc	60	65	49	8	5	–	–	7-8	7-8	2500
	Point of Ayre ...	24·9	+12	WS	4	c	58	85	53	8	8	–	–	9+	9+	2000
13A	Tiree	24·1	+22	W'N	3	c	57	85	54	8	2	3	–	7-8	9	1800
13B	Stornoway ...	20·5	+22	WNW	5	c/r	57	85	53	7	8	–	–	9	9	600
15	Dalwhinnie ...	21·0	+14	W	3	c	59	75	49	7	5	–	–	9+	9+	2500
	Aberdeen ...	19·0	+10	NW	3	c	65	55	50	9	8	3	–	4-6	9+	4000
	Wick ...	19·2	+18	NW'N	3	r.r.	58	85	53	6	8	–	–	9+	10	800
16	Sumburgh ...	18·3	+10	SSE	2	o/d	52	97	52	5	5	–	–	10	10	200
17	Blacksod Point	28·7	+12	NW	3	c-bc	58	75	50	8	8	–	–	7-8	7-8	2500
18	Malin Head ...	25·4	+18	WNW	5	bc	58	75	50	8	4	–	4	2-3	4-6	2500
	Aldergrove ...	25·9	+12	WNW	3	c-bc/pr	59	75	52	8	8	–	–	7-8	7-8	2500
19	Birr Castle ...	27·9	+6	WNW	2	c-bc	60	65	48	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	30·1	+10	NW	4	b	60	75	52	8	7	–	–	1	1	2500
	Roches Point	29·1	+6	NNW	4	bc	62	85	57	8	5	–	–	4-6	4-6	2500

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount Low 0–10 (28)	Cloud. Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·8	0	N'W	3	b-bc	69	55	52	8	8	–	–	2-3	2-3	2500	0	*
	Croydon ...	23·7	−4	WNW	3	b-bc	70	45	50	8	4	6	–	2-3	2-3	3500	0	*
	S. Farnborough	23·7	0	NW'N	3	bc	71	45	50	8	8	4	–	4-6	4-6	2500	0	*
	Boscombe Down	24·3	−2	NW'N	3	bc	66	55	51	8	1	–	–	4-6	4-6	3000	0	*
	Thorney Island	23·5	−6	W'N	3	bc	70	65	57	9	8	–	–	4-6	4-6	2500	0	*
	Lympne ...	23·2	0	N	2	b-bc	69	55	53	8	1	2	–	1	2-3	3500	0	2
	Manston ...	23·7	+2	N	2	c-bc	66	65	55	7	5	7	2	4-6	7-8	5000	0	*
2	Shoeburyness ...	23·3	−2	N	2	c	69	55	54	9	8	–	–	9	9	4000	0	*
	Felixstowe ...	23·1	+2	NW'N	3	c-bc	68	65	56	8	7	3	–	4-6	7-8	4000	0	2
	[illegible]leston ...	22·5	0	NNW	3	c	65	65	50	7	5	–	–	9+	9+	2500	0	2
	Mildenhall ...	23·6	+2	NNW	4	b-bc	64	65	50	8	1	–	–	2-3	2-3	4000	1	*
	Cranwell ...	23·8	0	NW	4	c-bc	62	65	50	7	4	3	–	4-6	7-8	3500	0	*
3	Birmingham ...	25·3	+4	NNW	3	bc	60	65	48	8	8	7	–	4-6	4-6	2500	0	*
	Upper Heyford	24·8	+10	N'W	4	bc	65	65	51	7	4	6	–	4-6	4-6	3500	0	*
4	Ross-on-Wye	25·5	+4	NNW	2	c-bc	62	65	51	9	7	–	–	7-8	7-8	3500	0	*
5	Hartland Point	27·1	0	NW	3	b	57	85	53	9	1	4	–	Tr	1	2500	0	3
	Bristol ...	25·8	+2	NW'N	4	b-bc	65	65	58	9	5	–	1	1	2-3	2500	0	*
	Portland Bill ...	24·8	−4	W	2	bc	62	92	60	8	2	–	–	4-6	4-6	4000	1	3
	Plymouth ...	27·0	0	NNW	3	b-bc	63	65	52	9	4	–	–	2-3	2-3	3000	0	2
	The Lizard ...	27·2	−2	NNE	4	b-bc	61	65	48	8	7	–	–	2-3	2-3	3500	0	2
	Scilly (St. Mary's)	28·5	−2	N	4	b	60	65	48	8	2	4	–	Tr	1	1800	0	2
	Guernsey ...																	
6	Pembroke ...	28·2	0	NW'N	2	b-bc	57	85	53	9	2	–	–	2-3	2-3	2500	0	1
7	Holyhead (Valley)	27·3	+4	NNW	4	c-bc	61	65	50	9	2	3	–	1	7-8	2000	1	2
	Chester (Sealand)	26·2	+6	NNW	5	c-bc	60	75	52	9	2	3	–	2-3	7-8	2000	0	*
8	Manchester ...	25·3	+6	WNW	4	c	59	75	52	9	8	–	–	4-6	9+	2500	0	*
10	Spurn Head ...	22·9	0	WNW	4	c-bc	64	65	53	7	7	3	–	4-6	7-8	2500	0	3
	Catterick (Sc.) ...	22·9	+2	WNW	3	c-bc	63	75	53	8	7	–	–	7-8	7-8	3000	0	*
	Tynemouth ...	22·5	+2	WNW	4	bc	66	75	58	7	–	3	–	0	4-6	–	1	2
11	St. Abbs Head	20·5	+6	WNW	4	bc	64	65	52	8	1	4	–	4-6	4-6	4500	0	4
	Leuchars ...	21·7	+6	WNW	4	bc	66	55	47	9	4	4	–	4-6	4-6	4000	0	*
12	Renfrew (Abbots I.)	25·2	+20	WNW	4	c-bc/pr	56	85	52	8	8	–	–	7-8	7-8	2500	0	*
	Eskdalemuir ...	23·9	+10	WNW	3	c	58	75	49	8	5	7	–	4-6	7-8	2400	1	*
	Point of Ayre ...	26·5	+10	N	5	b-bc	57	85	53	8	2	4	–	Tr	2-3	2000	0	4
13A	Tiree	26·7	+16	WNW	4	bc	56	85	52	8	8	–	–	4-6	4-6	1500	1	2
13B	Stornoway ...	24·4	+26	W	5	c-bc	57	85	53	7	8	4	–	4-6	7-8	1200	1	3
15	Dalwhinnie ...	23·7	+16	W	3	c	56	75	46	7	5	–	–	9+	9+	2500	0	*
	Aberdeen ...	21·9	+16	NNW	3	c	60	95	51	9	8	9	–	4-6	9+	4000	1	2
	Wick ...	21·6	+14	WNW	4	c	57	85	51	9	8	3	–	7-8	9	2500	1	*
16	Sumburgh ...	20·4	+8	–	0	2o	52	85	51	6	5	–	–	10	10	300	1	2
17	Blacksod Point	30·2	+8	WNW	3	c	57	75	49	8	8	–	–	9+	9+	2500	1	3
18	Malin Head ...	27·7	+10	NW'W	5	bc	57	75	49	8	4	4	–	2-3	4-6	1500	2	4
	Aldergrove ...	28·1	+16	WNW	3	c	57	75	49	9	8	–	–	9+	9+	2500	1	*
19	Birr Castle ...	28·2	+2	NNW	2	bc	68	55	51	8	1	–	–	4-6	4-6	2500	0	*
20	Valentia Obsy.	30·1	+2	NW'N	4	b	59	75	51	8	1	–	–	Tr	Tr	4000	1	3
	Roches Point	28·5	−6	N	3	b	66	75	58	8	1	–	–	1	1	4000	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 25th (39)	Weather. 13h.—18h. 25th (40)	Weather. 18h. 25th to 1h. 26th (41)	Weather. 1h.—7h. 26th (42)
1	London (Kew)	ir.idc	bcy	bccybw	bbz.w
	Croydon ...	c	cbcy	cyb	bm.
	S. Farnborough	cbczy	bczcbcybcycb		bbm.
	Boscombe Down	ccidmc	ccybcy	bcybbcm.	bcm.b
	Thorney Island	c	cbcy	bcb	bfgb
	Lympne ...	bc	cybcy	bcybc	bbm.
	Manston ...	ccy	cyzoccbcz.		bcbm.
2	Shoeburyness ...	cz.	czcy	cbc	bcm.w
	Felixstowe ...	c	cbc	bcbm.	bm.
	[illegible]leston ...	c	c	cbcb	bcb
	Mildenhall ...	cidmc	cyb	bc bcm.	bmcm.
	Cranwell ...	cmcy	c	bccm.cm.	bm.
3	Birmingham ...	c	c	c	cbc
	Upper Heyford	cidmc	cbcybc	bcb	bm.
4	Ross-on-Wye	c	cbcc	cbcb	bw bc
5	Hartland Point	cv	cvb	b	bc
	Bristol ...	ccrbc	bc	bcvc, bbc	bm.wbwbcw
	Portland Bill ...	bc	bc	bc	bc
	Plymouth ...	cm.	bcv	bcbvb	b
	The Lizard ...	cbc	bc	bcbw	bbcw
	Scilly (St. Mary's)	c	cbcb	bw	bw
6	Pembroke ...	cbc	bcb	bcb	b
7	Holyhead (Valley)	c	cbc	bcbw	bwb
	Chester (Sealand)	c	cbc	cb.c	c
8	Manchester ...	cidmc	c	cbcc	m.bcmw
10	Spurn Head ...	bc	c	c	c
	Catterick (Sc.) ...	c	c	cbc	cbc
	Tynemouth ...	c	cbc	bcc	bcc
11	St. Abbs Head	cbc	bc	bccbc	bcc
	Leuchars ...	cbccbcy	cbcy	bcybcc	bccbc
12	Renfrew (Abbots I.)	cidc	c	cbccbcbcw	bcbw
	Eskdalemuir ...	cpr.	cproc	cbcv	bcb
	Point of Ayre ...	idc	cbccb	bbc	b
13A	Tiree	cbc	cidmcbccbc		cbcc
13B	Stornoway ...	cjpccidc	cidmcc	ccidmcm.	ccidc
15	Dalwhinnie ...	OC	CO	*	COC
	Aberdeen ...	cprbcc	cPrprc	cPRprc	c
	Wick ...	circcrr	crrbcc	ccd.d.d	c
16	Sumburgh ...	dcdcm.	cm.	cid.m.	cid.m.
17	Blacksod Point	c	c	b	bc
18	Malin Head ...	pr	c	c	c
	Aldergrove ...	ccproc	c	cbcc	c
19	Birr Castle ...	c	bc	*	b
20	Valentia Obsy.	pr	b	b	b
	Roches Point	c	b	b	b

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

Districts:
1 S.E. England
2 E. England ..
3 E. Midlands ...
4 W. Midlands
5 S.W. England
6 South Wales
7 North Wales
8 N.W. England
9 N. Midlands ...
10 N.E. England
11 S.E. Scotland
12 S.W. Scotland & Isle of Man
13A W. Scotland ...
13B N.W. Scotland
14 Mid Scotland
15 N.E. Scotland

Light or moderate northerly winds, becoming variable in the North, fair or fine with variable cloud amounts, mainly broken; cloudy with local drizzle in extreme north at first. Good visibility, rather warm.

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

As 1–15.

GENERAL INFERENCE

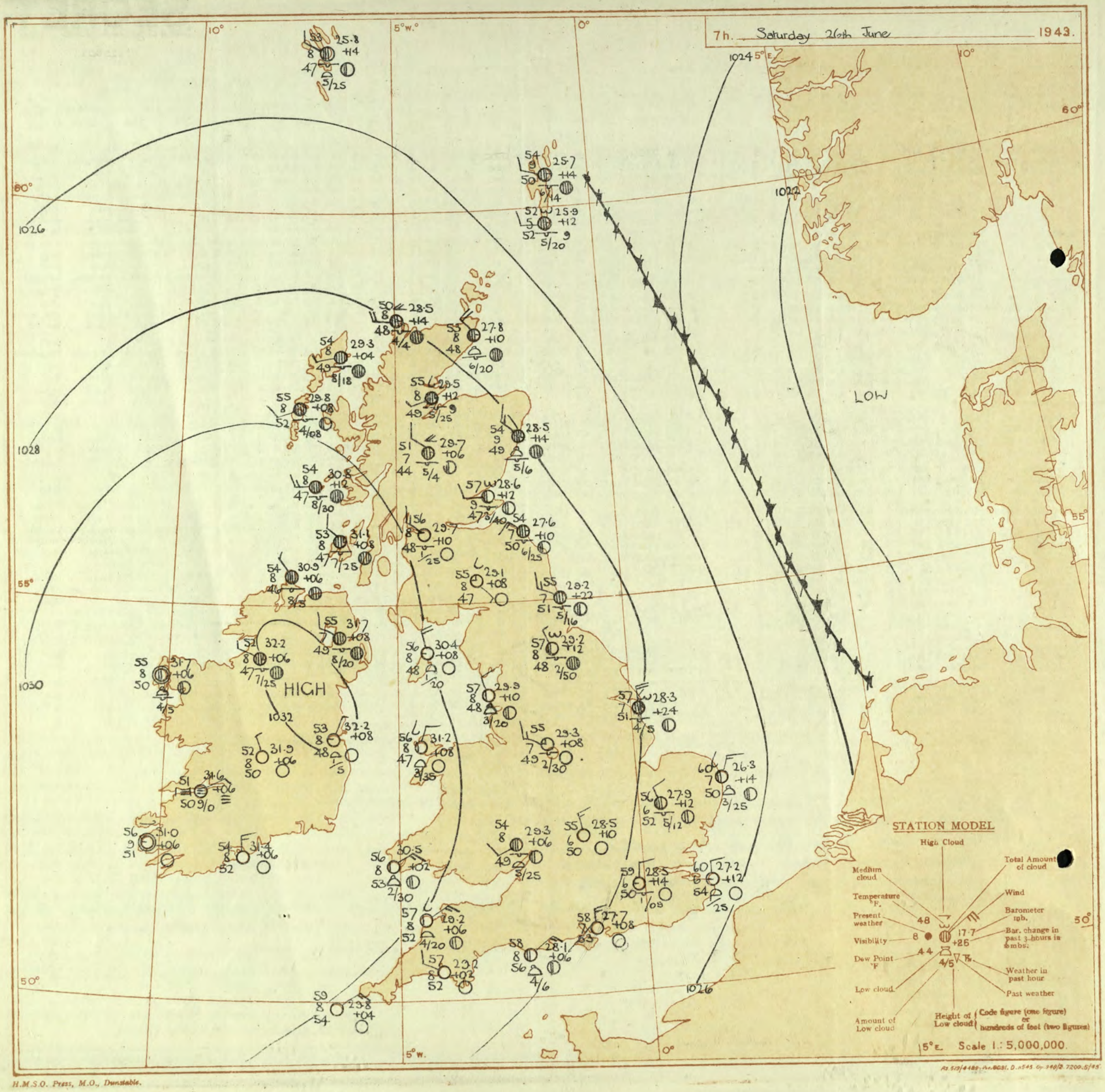
Anticyclone centred over Ireland moving northeast slowly. It will be fair or fine in all districts and rather warm.

FURTHER OUTLOOK

Little Change.

Forecasts issued at 10·30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

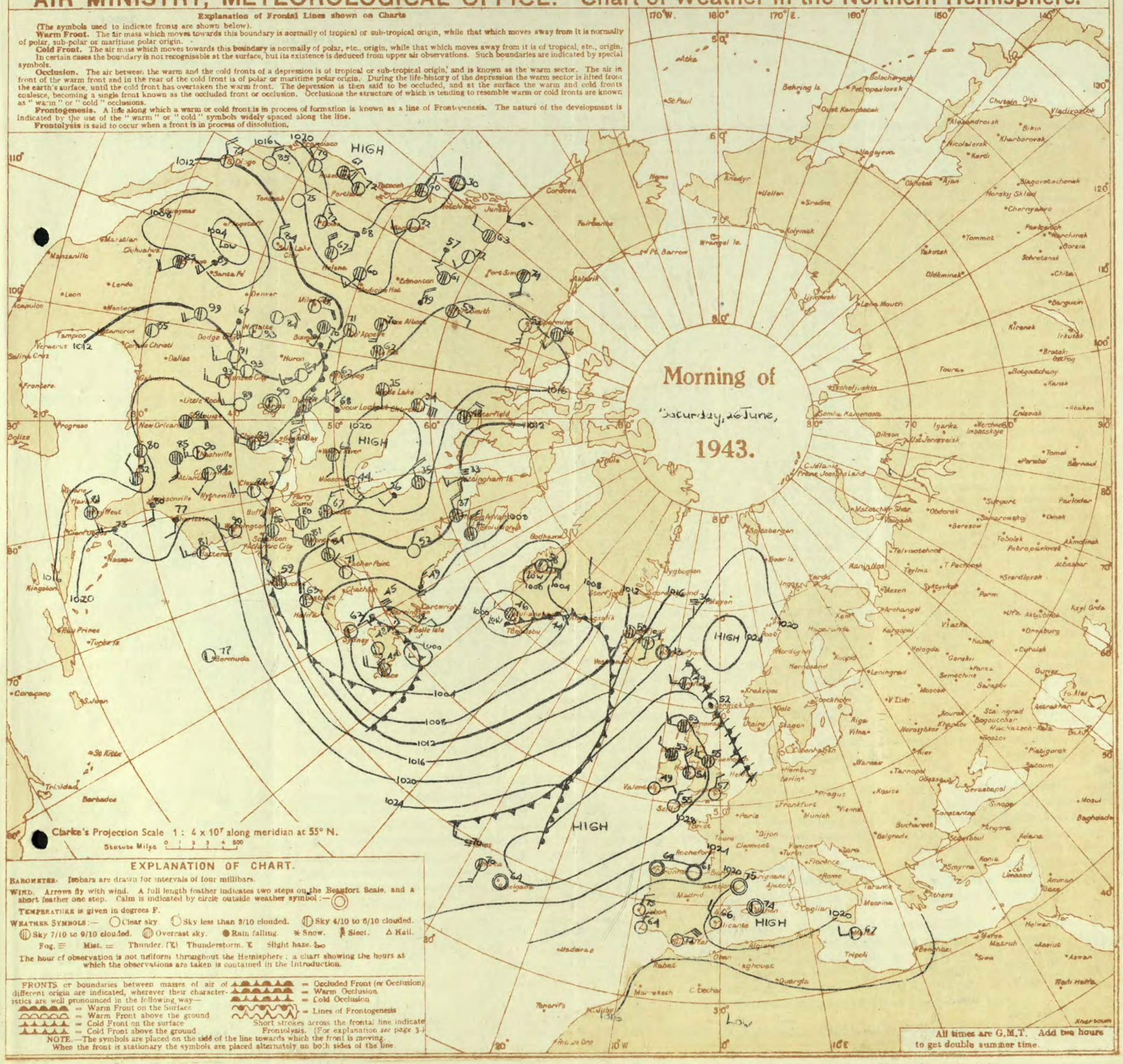
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Saturday 26th June 1943

No. 29801

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Cloud Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon	290	26.9	+4	N'W	2	b	57	79	49	6	-	-	-	0	0	-
	S. Farnborough	226	27.3	+6	NW	1	b	53	85	47	7	-	-	-	0	0	-
	Boscombe Down	417	27.8	+8	NNW	1	z_0	50	85	47	6	5	-	-	4-6	4-6	5000
	Thorney Island	10	26.9	+8	NW'N	2	b	53	85	49	7	-	-	-	0	0	-
	Lympne	283	26.1	+6	N	3	b	55	85	49	7	-	4	-	0	1	-
	Manston	154	26.8	+8	N'W	2	z_0	57	85	51	6	5	-	-	2-3	2-3	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	25.7	+6	NW'W	3	z_0	56	85	51	6	5	-	-	1	1	4000
	Gorleston	5	24.3	+6	WNW	2	b-bc	57	75	50	7	5	-	-	2-3	2-3	1000
	Mildenhall	15	26.1	+6	W'N	1	z_0	50	92	48	6	-	4	-	0	Tr	-
	Cranwell	203	26.4	+14	WNW	2	z_0	51	92	51	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27.5	+6	NW'N	2	b-bc	51	92	49	7	5	-	-	2-3	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28.9	0	N	3	b	56	85	52	8	-	-	-	0	0	-
	Bristol	209	29.0	+12	NW	2	z_0	53	92	51	6	5	-	-	1	1	4000
	Portland Bill	32	26.9	+6	WNW	2	b-bc	58	92	56	8	5	-	-	2-3	2-3	4000
	Plymouth	86	29.0	+6	NNE	2	b	55	85	51	8	-	-	-	0	0	-
	The Lizard	240	28.9	+4	NNE	3	b	53	97	52	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	29.8	+2	N'E	3	b	55	92	53	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	30.3	+4	N'E	2	b-bc	53	92	51	8	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	30.5	+10	-	0	b	51	85	48	8	-	-	-	0	0	-
	Chester (Sealand)	16	28.6	+4	NNW	3	c	55	85	51	8	5	-	-	9+	9+	3000
8	Manchester	230	28.3	+14	WNW	2	z_0	53	92	51	6	5	-	-	7-8	7-8	1100
10	Spurn Head	29	26.2	+16	NW	4	c-bc	58	75	51	7	4	3	-	2-3	7-8	2500
	Catterick (Sc)	192	27.2	+14	NW	2	b-bc	53	85	47	8	-	4	-	0	2-3	-
	Tynemouth	108	26.7	+10	WNW	3	c-bc	55	85	50	7	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	25.0	+12	WNW	4	c-bc	56	85	50	7	5	-	-	7-8	7-8	2500
	Leuchars	36	26.6	+14	WNW	1	c-bc	50	92	48	8	4	3	-	4-6	7-8	3000
12	Renfrew (Abbots I.)	19	28.4	+10	SW	2	b-bc	49	92	47	8	5	-	-	2-3	2-3	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	29.5	+10	NW'N	4	bc	54	92	51	8	9	-	1	4-6	4-6	2000
13A	Tiree	44	29.5	+10	W'N	2	c-bc	53	92	51	8	5	-	-	7-8	7-8	2500
13B	Stornoway	12	28.3	+20	W	3	c	53	92	51	7	5	-	-	9+	9+	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	26.0	+10	WNW	4	c	54	92	52	8	5	-	-	9	9	3000
	Wick	114	25.0	+10	NW	4	d_0d_0	52	97	51	6	5	-	-	4-6	10	500
16	Sumburgh	19	23.8	+14	NW'N	3	id_0	52	97	52	6	5	-	-	10	10	300
17	Blacksod Point	18	31.3	+2	-	0	b-bc	48	92	46	8	5	-	-	2-3	2-3	2500
18	Malin Head	84	30.3	+6	NW'W	2	c	53	85	49	8	5	-	-	10	10	2500
	Aldergrove	268	30.9	+2	NW'N	3	c	53	85	49	7	5	-	-	9+	9+	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31.2	+2	ENE	1	b	49	92	47	8	-	-	-	0	0	-
	Roches Point	22	30.7	+2	N	4	b	53	97	52	8	-	-	-	0	0	-

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

Stations	Barom. at M.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)	Cloud 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)	28.7	+14	N'W	1	z_0	59	75	50	6	2	-	-	1	1	1500	0	*
Croydon	28.5	+14	N	2	b	59	75	50	6	5	-	-	Tr	Tr	900	0	*
S. Farnborough	28.7	+12	NNW	2	z_0	55	85	51	6	1	-	-	Tr	Tr	2000	0	*
Boscombe Down	28.9	+10	N'W	2	b	56	85	50	7	1	-	-	Tr	Tr	4000	0	*
Thorney Island	27.7	+8	N'E	3	b	58	85	53	7	-	-	-	0	0	-	0	*
Lympne	27.5	+10	N	2	z_0	60	85	52	6	1	-	-	Tr	Tr	2500	0	§3
Manston	27.2	+12	N	2	z_0	60	85	54	6	1	-	-	Tr	Tr	2500	0	*
Shoeburyness	27.1	+14	N	2	b	59	75	53	6	-	-	-	0	0	-	0	*
Felixstowe	27.1	+10	NNW	3	z_0	58	85	53	6	-	-	-	0	0	-	0	2
Gorleston	26.3	+14	N'E	3	bc	60	75	50	7	2	4	-	2-3	4-6	2500	0	3
Mildenhall	27.9	+12	NW'N	2	z_0	56	85	52	6	5	-	-	7-8	7-8	1200	0	*
Cranwell	28.3	+16	N'W	3	b-bc	56	85	51	6	5	-	-	2-3	2-3	6000	0	*
Birmingham	29.5	+8	NW	3	z_0	55	85	50	6	5	-	-	2-3	2-3	1500	0	*
Upper Heyford	28.5	+10	N'W	3	z_0	55	85	50	6	-	-	-	0	0	-	0	*
Ross-on-Wye	29.3	+6	SW'W	2	c-bc	54	85	49	8	7	-	-	7-8	7-8	2500	0	*
Hartland Point	29.2	+6	NE	3	b-bc	57	85	52	8	1	4	-	2-3	4-6	2000	0	4
Bristol	29.8	+6	N'E	3	c-bc	56	85	52	8	5	-	-	7-8	7-8	2300	0	*
Portland Bill	28.1	+6	NE	3	bc	58	92	56	8	2	-	-	4-6	4-6	4000	1	3
Plymouth	29.2	+2	WNW	2	b	57	85	52	8	-	-	-	0	0	-	0	2
The Lizard	30.6	+16	NNE	2	b-bc	59	85	53	8	4	-	-	2.3	2-3	2000	1	2
Scilly (St. Mary's)	29.8	+4	NE'N	3	b	59	85	54	8	-	-	-	0	0	-	1	3
Guernsey																	
Pembroke	30.5	+2	NE	3	b-bc	56	85	53	8	2	-	-	1	2-3	3000	0	1
Holyhead (Valley)	31.2	+8	N'E	2	b-bc	56	75	47	8	1	4	-	2-3	2-3	3500	0	2
Chester (Sealand)	29.3	+6	N'W	2	c	59	75	51	8	5	3	-	7-8	9+	2500	0	*
Manchester	29.7	+14	-	0	z_0	53	97	52	6	2	6	-	4-6	7-8	4000	0	*
Spurn Head	28.3	+24	N	4	c	57	85	51	7	5	5	-	4-6	9+	2500	0	3
Catterick (Sc)	29.2	+12	NNW	2	bc	57	75	48	8	5	3	-	1	4-6	5000	0	*
Tynemouth	29.2	+22	WNW	3	c-bc	55	85	51	7	5	-	-	7-8	7-8	1600	0	2
St. Abbs Head	27.6	+10	WNW	3	c	54	85	50	7	5	-	-	9	9	2500	0	3
Leuchars	28.6	+12	W	2	bc	57	65	47	9	5	3	-	2-3	4-6	4000	0	*
Renfrew (Abbots I.)	29.7	+10	NW'W	3	b	56	75	48	8	5	-	-	Tr	Tr	2500	0	*
Eskdalemuir	29.1	+8	SE'S	1	b	55	75	47	8	-	4	-	0	1	-	0	*
Point of Ayre	30.4	+8	N'W	4	b	56	75	48	8	1	-	-	Tr	Tr	2000	0	4
Tiree	30.8	+12	W	3	c	54	75	47	8	5	-	-	10	10	3000	0	2
Stornoway	29.3	+4	W	1	c	54	85	49	8	5	-	-	10	10	1800	1	1
Dalwhinnie	29.7	+6	NW	2	c	51	75	44	7	5	2	-	7-8	9	1500	1	*
Aberdeen †	28.5	+14	NW	3	c	54	85	49	9	8	-	-	7-8	9+	4000	1	2
Wick	27.8	+10	NW	4	c	53	85	48	8	8	-	-	9	9	2000	0	*
Sumburgh	25.9	+12	W	2	z_0	52	97	52	5	5	3	-	7-8	9	2000	1	2
Blacksod Point	31.7	+6	-	0	bc	55	88	50	8	8	-	-	4-6	4-6	2500	1	1
Malin Head	30.9	+6	NW	1	c	54	75	46	8	5	-	-	10	10	2500	2	2
Aldergrove	31.7	+8	WNW	2	c	55	75	49	7	5	-	-	10	10	2000	1	*
Birr Castle	31.9	+6	NNW	1	b	52	92	50	8	-	-	-	0	0	-	0	*
Valentia Obsy.	31.0	+6	-	0	b	56	85	51	9	-	-	1	0	Tr	-	1	1
Roches Point	31.4	+6	N	3	b	54	92	52	8	-	-	-	0	0	-	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	72	53	37	Tr	-	5.0
Croydon	71	50	44	-	-	5.6
S. Farnborough	72	47	34	-	-	6.1
Boscombe Down	71	47	43	Tr	-	5.4
Thorney Island	74	49	41	-	-	*
Lympne	74	51	48	-	-	10.7
Manston	73	55	52	-	-	6.9
Shoeburyness	73	49	47	-	-	3.9
Felixstowe	72	51	49	-	-	3.5
Gorleston	66	52	47	-	-	1.[illegible]
Mildenhall	68	46	41	06	-	5.1
Cranwell	66	50	47	-	-	3.3
Birmingham	63	51	46	-	-	2.9
Upper Heyford	70	49	40	-	-	*
Ross-on-Wye	66	48	39	-	-	4.7
Hartland Point	58	54	51	-	-	5.5
Bristol	69	48	37	Tr	-	8.2
Portland Bill	62	53	*	-	-	*
Plymouth	66	51	39	-	-	9.4
The Lizard	65	51	*	-	-	9.9
Scilly (St. Mary's)	64	60	*	-	1	5.8
Guernsey						
Pembroke	61	51	*	-	-	6.4
Holyhead (Valley)	63	47	37	Tr	-	*
Chester (Sealand)	63	53	49	-	-	4.3
Manchester	60	47	39	Tr	-	*
Spurn Head	65	53	*	-	-	3.4
Catterick (Sc)	65	51	45	-	-	4.6
Tynemouth	67	52	51	-	-	*
St. Abbs Head	64	53	*	-	-	*
Leuchars	69	49	43	-	-	1.3
Renfrew (Abbots I.)	64	47	42	Tr	Tr	4.3
Eskdalemuir	62	45	41	03	-	5.8
Point of Ayre	63	52	*	-	-	6.2
Tiree	59	57	51	Tr	-	4.1
Stornoway	59	51	49	Tr	Tr	4.2
Dalwhinnie	60	48	42	Tr	-	4.4
Aberdeen †	66	52	50	2	1	2.8
Wick	60	51	49	3	0.4	*
Sumburgh	56	51	50	03	0.2	0.0
Blacksod Point	60	46	*	0.3	-	*
Malin Head	59	51		0.3	-	3.8
Aldergrove	63	50	47	0.6	-	4.5
Birr Castle	68	42	38	-	-	8.9
Valentia Obsy.	61	46	42	-	Tr	10.9
Roches Point	68	53		-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 25th June C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 26th June C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
109	52	02745	25426	5-	02838	25528	5-	51638	26258	52	02744	27425
115	54	09834	20367				52	09834	24347	52	02844	24426
203										5-	03848	24358
206	26	02955	59526	2-	01954	26484	5-	02857	00027	54	02855	22157
210	83	81855	26327	83	02964	26415	5-	02857	26327	53	02865	30327
219	8-	02866	25615	5-	02845	25528	50	01844	23214	5-	02834	22218
230	86	02855	28385	8-	10757	24427	53	02855	25355	5-	02865	25325
245	83	81955	25227	86	01954	01385	5-	01964	24114	54	01963	30314
260	2-	02855	22425	20	01853	24414	50	01754	20114	50	05661	20211
278	86	02834	26557	86	02844	26526	5-	02858	28425	5-	02857	28427
279	7-	02855	25355	73	02855	28325	5-	01864	28214	53	01761	30112
285	23	02745	28627							13	01853	28214
288	5-	02858	59427	26	02951	25425	57	02854	23125	56	05665	22126
575	8-	02856	26486	10	01854	26314	5-	02755	00015	50	02857	26127
301	7-	02865	26425	73	01864	26415	5-	01854	28314	20	01853	31213
321	86	02754	26426	53	02766	26427	00	05690	26210	53	05664	30317
299	8-	02745	30315	80	02755	30215	40	01753	26413	80	01756	30416
292				57	02863	27327	04	01890	29202	03	02990	29216
310	--	02628	24438									
614	77	02754	26327	7-	02766	28326	00	05690	28200	50	05653	32213

III	13h. G.M.T. 25th June C_LC_M	wwVhNh	DDFWN	18h. G.M.T. C_LC_M	wwVhNh	DDFWN	01h. G.M.T. 26th June C_LC_M	wwVhNh	DDFWN	07h. G.M.T. C_LC_M	wwVhNh	DDFWN
338	16	02854	28426	23	01952	28314	50	01841	32111	50	01743	01303
334	--	02646	26217									
340	7-	02955	28425	73	02953	30327	54	02865	30316	2-	01754	30214
136				03	02790	24416	04	01790	25311	13	02845	02316
336	53	02754	28416	13	01754	28415				57	02754	32316
350	7-	02756	24226	56	02854	26426	50	05663	26213	00	00790	28200
368	5-	02845	26415	5-	02954	32314	50	01963	28203	50	01661	02101
379	7-	02843	28325	16	01853	30414	50	01862	30412	50	05532	30312
390	7-	02756	24223				00	05590	28210	00	05690	30400
382	7-	02743	29326	16	01963	30414	04	01790	30201	10	01741	01311
438				70	01763	24313	80	01653	02413	00	05690	02410
430	5-	02765	24317	20	01864	24214	03	01790	32202	00	02790	30300
409	5-	02958	30328	54	01954	32414	00	00890	32300	40	02854	03214

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_LC_M = Form of low and medium cloud—See Introduction.
V = Visibility F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th June, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Afternoon	Night
Kew	$i r_0 i d_0 c$	bcq	bccybwz$_0$
Croydon	c	cbcq	cqbbm
Greenwich	c	cbc	bcbz$_0$
Camden Square	cbc	bc	*
Kensington	cbc	bc	*
Hampstead	bcp	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time <0·1 Wh[illegible]
Min. Time of Period

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	53	37	Tr	-	5.0	*	*
Croydon	71	50	44	-	-	5.6	*	*
Greenwich	73	53	43	-	-	4.4	54	64
Westminster	74	55	50		-		55	65
Regents Park	73	53	49	-	-		44	59
Camden Square	75	54	49	-	-	*	*	70
Kensington	73	53	43	-	-		55	76
Hampstead	72	50	47	Tr	-		*	64

SECRET

Page 1 BRITISH SECTION

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

Sunday 27th June 1943

No. 29802

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

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)	28.5	-2	NE'N	2	c	69	55	51	7	8	-	-	9+	9+	2500
	Croydon	28.1	-4	N	1	c	69	45	49	8	2	-	-	9+	9+	3500
	S. Farnborough	28.4	-4	N'E	2	c	71	55	52	7	2	6	-	7-8	9	3000
	Boscombe Down	28.3	-6	NNW	2	bc	71	45	49	7	1	-	-	4-6	4-6	3000
	Thorney Island	28.7	+2	S	3	c-bc	68	65	55	8	2	-	-	7-8	7-8	2500
	Lympne	28.4	0	NE	3	c	68	55	51	7	7	3	-	7-8	9	4500
	Manston	28.3	+4	NEN	3	c	65	55	50	7	5	7	-	2-3	9+	2000
2	Shoeburyness	28.8	+6	SE	3	c	63	75	54	8	7	-	-	9	9	4000
	Felixstowe	28.6	+6	NE	4	c	63	75	56	8	7	-	-	7-8	9	2500
	Gorleston	28.3	+2	N'E	4	c-bc	62	65	51	7	7	7	-	4-6	7-8	2200
	Mildenhall	29.2	+6	N'E	3	c	66	55	51	8	7	-	-	7-8	9+	3000
	Cranwell	29.7	+6	NE	1	c	63	75	53	8	7	-	-	9	9	3500
3	Birmingham	29.5	0	N	3	c	65	55	50	8	7	-	-	9	9	2500
	Upper Heyford	28.8	0	NNW	2	c-bc	66	65	52	7	7	-	-	7-8	7-8	3500
4	Ross-on-Wye	29.3	0	NW'N	2	bc	66	55	54	8	7	-	-	Tr	4-6	3500
5	Hartland Point	29.7	0	N	2	b	60	75	52	8	1	-	-	Tr	Tr	3000
	Bristol	29.6	-2	N	2	c-bc	67	65	54	8	5	-	-	7-8	7-8	2500
	Portland Bill	28.1	-2	NE	2	bc	63	65	51	8	1	-	-	4-6	4-6	4000
	Plymouth	29.4	0	SSW	3	bc	63	75	56	8	1	-	-	4-6	4-6	3000
	The Lizard	29.1	-2	SW	2	b-bc	65	65	54	8	7	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	30.3	-2	N'E	4	b	63	75	54	8	7	-	-	1	1	2500
	Guernsey															
6	Pembroke	31.1	-2	NE'E	3	b	62	75	55	8	1	-	-	1	1	3000
7	Holyhead (Valley)	31.6	0	N'W	4	bc	60	65	46	8	1	-	-	4-6	4-6	3000
	Chester (Sealand)	30.5	+2	NNW	3	bc	61	65	50	8	1	-	-	4-6	4-6	2500
8	Manchester	29.9	+2	W'N	3	bc	64	65	53	7	4	6	-	2-3	4-6	4000
10	Spurn Head	30.3	+8	N'E	4	c	60	75	50	7	7	-	-	9+	9+	2500
	Catterick (Sc)	30.4	+4	ENE	2	z0	61	65	50	6	5	-	-	10	10	3000
	Tynemouth	30.5	+4	N	3	c-bc	60	85	55	8	5	3	-	4-6	7-8	2300
11	St. Abbs Head	29.4	+6	NE	1	c	59	85	53	8	5	6	-	7-8	9	4500
	Leuchars	29.9	+4	NE	1	c	65	65	52	9	8	7	-	4-6	9	4000
12	Renfrew (Abbots I.)	30.3	+2	W'S	1	bc	67	55	51	8	1	-	9	4-6	4-6	3500
	Eskdalemuir	29.3	+2	S'W	1	c	63	55	49	8	5	-	-	9+	9+	2400
	Point of Ayre	31.5	+6	NW'N	3	b	62	75	55	8	1	4	-	Tr	1	3000
13A	Tiree	31.8	+4	WNW	2	c	57	65	46	8	5	-	-	10	10	2500
13B	Stornoway	30.6	+2	WSW	3	c	58	75	50	8	5	-	-	10	10	2500
15	Dalwhinnie	31.0	+4	-	0	c-bc	61	55	45	8	7	4	4	4-6	7-8	2500
	Aberdeen	29.9	+4	NW'N	2	c	62	65	50	9	8	6	-	4-6	9	3500
	Wick	30.2	+6	NW	4	c-bc	58	75	49	8	8	-	-	7-8	7-8	2500
16	Sumburgh	28.5	+12	WNW	4	c	55	85	51	8	5	-	-	4-6	9+	700
17	Blacksod Point	31.8	-4	NW	1	b	62	75	54	8	1	-	-	1	1	4000
18	Malin Head	32.2	+2	N	1	bc	57	65	45	8	4	4	-	2-3	4-6	2500
	Aldergrove	32.1	-4	WNW	2	bc	62	75	52	9	7	-	-	4-6	4-6	3500
19	Birr Castle	31.6	-4	N	1	b-bc	68	65	55	8	1	-	-	2-3	2-3	2500
20	Valentia Obsy.	31.0	-2	S'W	4	b	69	65	56	9	1	-	-	1	1	4000
	Roches Point	32.3	+2	ESE	3	b	59	85	54	8	1	-	-	1	1	4000

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

Stations	Barom. at M.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)	28.4	-2	NE'N	3	c-bc	70	45	48	7	8	3	-	7-8	7-8	1500	0	*
Croydon	28.2	-2	ENE	2	c-bc	67	55	53	8	4	-	-	7-8	7-8	5500	0	*
S. Farnborough	28.1	0	ENE	2	c-bc	71	55	41	7	8	6	-	4-6	7-8	4000	0	*
Boscombe Down	27.8	-2	NNE	2	bc	70	45	49	7	1	6	-	2-3	4-6	4000	0	*
Thorney Island	27.9	+2	SE	2	bc	66	65	51	8	8	-	-	4-6	4-6	4000	0	*
Lympne	29.2	+6	NE	3	c-bc	62	65	46	8	1	3	-	4-6	7-8	3000	0	3
Manston	29.0	+2	NE	3	c-bc	61	75	53	8	4	7	-	1	7-8	2500	0	*
Shoeburyness	28.6	0	ENE	2	c-bc	62	75	54	8	7	-	-	7-8	7-8	4000	0	*
Felixstowe	28.7	+4	N'W	3	c	64	85	61	9	1	3	-	4-6	9+	2500	0	2
Gorleston	28.5	0	N'E	4	c	61	75	52	7	7	7	-	7-8	9+	1800	0	3
Mildenhall	29.4	-2	NNE	3	c-bc	65	55	49	8	1	3	-	4-6	7-8	3000	0	*
Cranwell	30.0	+6	NE	2	c-bc	61	75	56	8	2	6	-	7-8	7-8	4000	0	*
Birmingham	29.1	-2	N	3	c-bc	66	55	53	8	8	-	-	7-8	7-8	2500	0	*
Upper Heyford	28.2	-4	ENE	2	bc	67	55	52	7	7	-	-	4-6	4-6	6000	0	*
Ross-on-Wye	28.5	-4	NNW	2	b	69	55	53	8	1	-	-	1	1	4000	0	*
Hartland Point	28.9	-4	N	2	b	60	75	52	8	-	-	-	0	0	-	0	2
Bristol	28.6	-6	N'E	1	b-bc	60	65	55	8	5	-	-	2-3	2-3	2500	0	*
Portland Bill	27.7	-2	W	2	bc	63	85	58	8	2	-	-	4-6	4-6	4000	0	3
Plymouth	28.9	0	SW	2	c-bc	64	65	53	[illegible]	5	-	2	7-8	7-8	3000	0	1
The Lizard	28.6	-6	-	0	bc	65	65	54	8	7	-	-	4-6	4-6	3000	0	2
Scilly (St. Mary's)	29.0	-10	NE'N	4	b	62	75	55	8	5	-	-	Tr	Tr	2000	0	3
Guernsey																	
Pembroke	30.0	-4	NE'N	4	b	59	75	49	8	1	-	-	1	1	3000	0	2
Holyhead (Valley)	30.7	-6	NNW	3	b	58	75	50	8	-	-	-	0	0	-	0	2
Chester (Sealand)	30.3	-2	NNW	3	b	59	75	51	8	1	-	-	Tr	Tr	3000	0	*
Manchester	29.5	-4	W'S	3	z0	65	65	54	6	4	-	-	2-3	2-3	3000	0	*
Spurn Head	30.4	+2	N'E	4	bc	58	75	51	7	7	-	-	4-6	4-6	2500	0	3
Catterick (Sc)	30.5	+2	ENE	2	b-bc	62	75	49	7	1	3	-	1	2-3	3500	0	*
Tynemouth	31.0	0	NNE	2	c-bc	58	85	54	8	8	3	-	4-6	7-8	2800	0	2
St. Abbs Head	29.7	0	ESE	2	b-bc	58	85	54	8	4	-	-	2-3	2-3	4500	0	2
Leuchars	30.0	-6	ENE	3	b-bc	60	75	52	9	-	3	-	0	2-3	-	0	*
Renfrew (Abbots I.)	29.7	0	W	3	b	66	65	53	9	1	-	-	Tr	Tr	2500	0	*
Eskdalemuir	[illegible]	-6	-	0	bc	63	65	51	8	7	4	-	4-6	4-6	2700	0	*
Point of Ayre	31.3	0	N'W	3	b	61	85	56	8	-	-	-	0	0	-	0	3
Tiree	32.2	+2	NW	1	c-bc	56	75	48	8	5	-	-	7-8	7-8	2500	1	1
Stornoway	31.3	+10	WNW	2	c	59	92	56	8	5	-	-	9	9	2500	0	1
Dalwhinnie	31.0	-2	W	2	b-bc	65	55	46	8	1	-	-	2-3	2-3	4000	0	*
Aberdeen	30.5	+4	SSE	2	c	55	85	50	8	5	-	-	9	9	3500	1	2
Wick	30.5	0	NW	4	c-bc	58	65	48	8	8	3	-	4-6	7-8	2000	0	*
Sumburgh	29.1	0	NW'W	3	c	52	92	49	7	5	-	-	7-8	9+	800	1	2
Blacksod Point	31.2	-2	NNW	2	bc	62	75	54	8	1	-	4	Tr	4-6	4000	0	2
Malin Head	31.6	-6	N'E	2	b	55	75	47	8	4	-	-	1	1	4000	0	2
Aldergrove	31.1	-6	N'E	1	b-bc	65	75	55	8	7	-	-	2-3	2-3	4200	0	*
Birr Castle	30.1	-10	NNE	1	bc	73	45	53	8	-	-	6	0	4-6	-	0	*
Valentia Obsy.	30.5	-2	SSW	3	b-bc	66	65	54	9	-	4	3	0	2-3	-	1	3
Roches Point	30.9	-10	S	2	b	61	92	59	8	1	-	-	Tr	Tr	4000	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 26th (39)	13h.–18h. 26th (40)	18h. 26th to 1h. 27th (41)	1h.–7h. 27th (42)
London (Kew)	bbcz0cy	cy	cybc	bcc
Croydon	bz0cz0y	cy	cbcm0	bbcm0c
S. Farnborough	bm0bbccy	cbcy	cz0c	cbcc
Boscombe Down	bybcy	bccbcy	bcybm0cbc	bcc
Thorney Island	bcycybc	cbcy	ccm0	cb
Lympne	bcc	cybc	bcbbw	bwe
Manston	bbc	cbcyrc	bcbbc	bc
Shoeburyness	bm0wc	c	c	cbcc
Felixstowe	bcc	c	c,b	bwccw
Gorleston		c	cbcc	bcc
Mildenhall	cm0ccy	cycbcy	bcbbm0	cfbcm0cm0
Cranwell	c	cbcc	cbbc	bcbm0
Birmingham	bcb		cbc	bcc
Upper Heyford	bm0wbm0c	bcycy	bcyc	cbcbcm0
Ross-on-Wye	cbcc	bcyby	bccbc	bwcbc
Hartland Point	bcb	b	b	b
Bristol	bcc	cbc	bc,bbcm0	m0fgwbcw
Portland Bill	bc	bcbc	bc	bcc
Plymouth	bcvbc	bc	b	b
The Lizard	bc	bc	bc	bc
Scilly (St. Mary's)	b	b	b	b
Guernsey				
Pembroke	b	b	b	bcm0
Holyhead (Valley)	cbc	b	bwfg	bwfgb
Chester (Sealand)	cbc	bcb	c,bcm0	bm0
Manchester	m0z0bc	bcz0	bczbcbm0	bcm0wbc
Spurn Head	c	bc	b	bc
Catterick (Sc)	ccz0	bcc	bccz0	bcm0cm0
Tynemouth	c	c	cbcm0	bcm0
St. Abbs Head	c	cbc	bcc	bccb
Leuchars	bccyc	cycbcb	bc	cbbcbbc
Renfrew (Abbots I.)	bwbc	bcybc	bbcbbw	bwfgbm0w
Eskdalemuir	bcc	cbc	cbcb	bFbw
Point of Ayre	b	b	b	bw
Tiree	c	cc	bc	bc
Stornoway	c	c	c	c
Dalwhinnie	cbc	bcby		bbc
Aberdeen	cbcc	cbcc	cbbcc	c
Wick	c	cbcc	c	cbcc
Sumburgh	cm0dcdc	cm0dd0c	cd0d	c
Blacksod Point	b	bc	b	b
Malin Head	c	b	b	b
Aldergrove	cbc	bc	b	bwb
Birr Castle	bc	bc		b
Valentia Obsy.	b	b	bc	b
Roches Point	b	b	b	b

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

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate north or northeast winds; fair; rather cool.
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 winds; fine; rather warm.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light west or southwest winds; mainly cloudy with slight local coast drizzle at first, becoming brighter; rather cool.
16 Orkneys and Shetlands	As 13A – 15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 3–12.

GENERAL INFERENCE

An anticyclone covers the country. Except in the extreme north and northwest where there will be some slight local coast drizzle at first, weather will be generally fair or fine and in most places it will be rather warm.

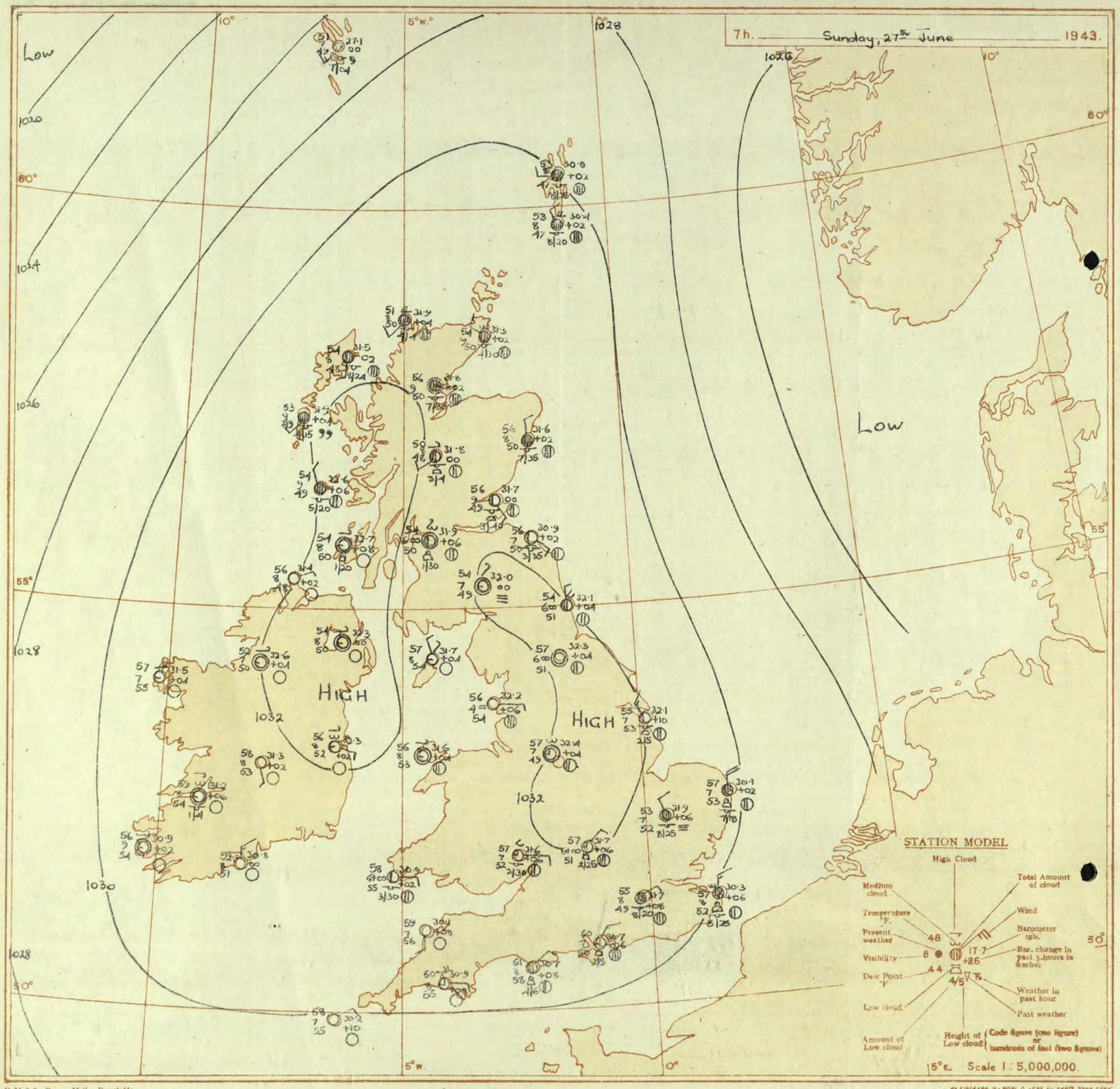
FURTHER OUTLOOK

Continuing mainly fine in all districts and becoming warmer.

Forecasts issued at 10.30.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 27th June 1943

No. 29802

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

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon ...	290	31·6	+14	E	1	z_o	55	85	49	6	5	–	–	2-3	2-3	4000
	S. Farnborough	226	30·4	+4	NE'N	2	c	60	75	52	7	5	–	–	10	10	4200
	Boscombe Down	417	30·3	+6	ENE	1	z_o	55	85	52	6	5	–	–	4-6	4-6	5000
	Thorney Island	10	30·0	+2	–	0	z_o	57	92	55	6	5	7	–	1	10	3500
	Lympne ..	283	30·3	0	N'W	2	b	51	97	51	7	5	–	–	1	1	3000
	Manston ...	154	29·9	+4	NNE	3	bc	56	85	51	7	5	–	–	4-6	4-6	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	30·5	+2	NW'N	2	b	52	85	48	8	–	–	–	0	0	–
	Gorleston ...	5	30·0	+2	NW	2	c-bc	54	85	50	7	8	–	–	7-8	7-8	1500
	Mildenhall ...	15	30·9	+2	N'W	1	z_o	46	92	45	6	5	–	–	1	1	2500
	Cranwell ...	203	31·3	0	ENE	2	bc	51	92	49	7	–	3	–	0	4-6	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	30·8	+8	ENE	2	c	57	75	50	8	5	–	–	9	9	2900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·3	+2	NNE	2	b	57	97	56	7	–	–	–	0	0	–
	Bristol ...	209	30·6	+10	–	0	z_o	54	92	52	6	5	–	–	1	1	4000
	Portland Bill ...	32	29·7	+12	NE	2	bc	59	92	57	8	5	–	–	4-6	4-6	4000
	Plymouth ...	86	29·5	+2	ENE	1	b	55	92	52	8	–	–	–	0	0	–
	The Lizard ...	240	29·1	+2	N	2	b-bc	57	85	52	8	4	–	–	2-3	2-3	3000
	Scilly (St. Mary's)	163	29·5	+2	NNE	3	b	56	92	54	8	–	–	4	0	Tr	–
	Guernsey ...	175															
6	Pembroke ...	142	30·4	+4	NE'E	3	b-bc	54	92	51	8	–	7	–	0	2-3	–
7	Holyhead (Valley)	32	31·3	-2	N'W	1	b	49	92	47	8	–	4	–	0	Tr	–
	Chester (Sealand)	16	31·3	+2	–	0	b-bc	53	85	50	6	5	–	–	2-3	2-3	3000
8	Manchester ...	230	31·4	+6	–	0	z_o	51	92	49	6	5	–	–	Tr	Tr	4000
10	Spurn Head ...	29	31·1	0	NW	3	b-bc	53	92	51	7	7	–	–	2-3	2-3	4000
	Catterick (Sc) ...	192	32·0	+4	–	0	z_o	52	92	49	5	5	3	–	4-6	7-8	2500
	Tynemouth ...	108	31·7	+4	ENE	2	z_o	52	92	50	6	2	4	–	2-3	2-3	2500
11	St. Abbs Head	280	30·9	0	S	2	c	52	85	49	8	5	–	–	9	9	3500
	Leuchars ...	36	31·5	-2	–	0	c	54	85	51	8	5	4	–	7-8	9	4000
12	Renfrew (Abbots I.)	19	31·1	+6	–	0	b	50	92	48	7	–	–	–	0	0	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	31·5	+4	S'E	2	b	49	92	47	8	–	–	–	0	0	–
13A	Tiree	44	32·0	+4	WNW	1	b	48	92	46	8	5	–	–	Tr	Tr	2500
13B	Stornoway ...	12	31·8	-2	–	0	c	54	92	51	8	5	–	–	10	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	31·7	0	–	0	c	51	92	49	8	5	–	–	10	10	2000
	Wick ...	114	31·1	-2	NW	1	c	53	85	49	8	5	3	–	7-8	9	2500
16	Sumburgh ..	19	30·2	+2	NW'N	3	$r_o r_o$	50	92	48	7	5	–	–	10	10	1200
17	Blacksod Point	18	30·9	-2	–	0	b	51	92	49	8	–	–	–	0	0	–
18	Malin Head ...	84	31·8	+2	SW'W	1	b	47	92	45	8	–	–	–	0	0	–
	Aldergrove ...	268	32·3	+2	SE	1	b	45	97	43	8	5	–	–	Tr	Tr	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·3	0	NE'E	2	b	50	92	48	9	–	–	3	0	Tr	–
	Roches Point	22	31·4	0	E	1	b	51	97	50	8	5	–	–	Tr	Tr	2500

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

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)	32·0	+8	NE	2	c	56	75	48	7	5	–	–	9+	9+	2500	0	*
	Croydon ...	31·7	+8	NE	2	c	55	75	49	8	5	–	–	10	10	2000	0	*
	S. Farnborough	32·0	+10	ENE	2	c	55	85	50	8	7	–	–	9	9	1500	0	*
	Boscombe Down	31·3	+4	–	0	bc	53	75	50	7	1	3	–	2-3	4-6	3000	0	*
	Thorney Island	30·7	+6	NE'N	3	b	60	75	50	7	1	–	–	1	1	2500	0	*
	Lympne ..	30·7	+2	N'E	3	c	57	85	51	8	5	3	–	7-8	9	2200	0	§
	Manston ...	30·3	+6	N'E	3	c	57	85	52	8	8	3	–	7-8	9+	2500	0	*
2	Shoeburyness ...	31·2	+6	N'W	3	c	57	85	53	8	5	–	–	9	9	4000	0	*
	Felixstowe ...	30·7	+2	NNW	3	c	55	92	52	8	5	–	–	10	10	4000	0	2
	Gorleston ...	30·1	+2	N'E	4	c	57	85	53	7	8	–	–	9+	9+	1800	0	3
	Mildenhall ...	31·9	+6	NW'N	2	c	53	97	52	7	5	–	–	10	10	2500	0	*
	Cranwell ...	32·0	+6	N'E	2	bc	55	85	51	7	7	–	–	4-6	4-6	2500	0	*
3	Birmingham ...	32·1	+6	–	0	z_o	58	75	50	6	5	–	–	7-8	7-8	2500	0	*
	Upper Heyford	31·7	+6	NE	2	z_o	57	85	51	6	1	–	–	1	1	2500	0	*
4	Ross-on-Wye	31·6	+6	E	2	b	57	85	52	7	5	4	–	1	1	3000	0	*
5	Hartland Point	30·1	+8	S	2	b	59	92	56	7	–	–	–	0	0	–	0	2
	Bristol ...	32·2	+10	–	0	bc	57	85	53	7	–	3	–	0	4-6	–	0	*
	Portland Bill ...	30·7	+8	NE	2	bc	61	85	58	8	2	–	–	4-6	4-6	4000	0	2
	Plymouth ...	30·9	+8	E	1	b	60	85	55	8	–	–	2	0	1	–	0	1
	The Lizard ...	29·7	+6	NE	2	b-bc	60	85	56	8	4	–	–	2-3	2-3	3000	0	3
	Scilly (St. Mary's)	30·2	+10	NE'E	2	b	58	92	55	7	–	–	–	0	0	–	0	2
	Guernsey ...																	
6	Pembroke ...	30·9	+2	E	2	z_o	58	92	55	6	5	–	–	2-3	2-3	3000	0	2
7	Holyhead (Valley)	31·6	+4	–	0	b	56	85	53	8	–	–	1	0	Tr	–	0	1
	Chester (Sealand)	31·7	+2	–	0	z_o	55	85	51	5	–	–	–	0	0	–	0	*
8	Manchester ...	32·0	+4	–	0	z_o	57	85	52	6	–	3	–	0	7-8	–	0	*
10	Spurn Head ...	32·1	+10	NW'N	3	b-bc	55	92	53	7	7	–	–	1	2-3	2500	0	3
	Catterick (Sc) ...	32·3	+4	–	0	z_o	57	85	51	6	–	–	–	0	0	–	0	*
	Tynemouth ...	32·1	+4	N	1	z_o	54	85	51	6	–	4	–	0	4-6	–	0	2
11	St. Abbs Head	30·9	+2	ESE	1	b-bc	56	85	50	7	4	–	–	2-3	2-3	3500	0	1
	Leuchars ...	31·7	0	SE	1	b-bc	56	75	49	9	7	–		2-3	2-3	4000	0	*
12	Renfrew (Abbots I.)	31·9	+6	–	0	z_o	54	85	50	6	2	–	9	Tr	2-3	3000	0	*
	Eskdalemuir ...	32·0	0	–	0	b	54	85	49	7	–	–	4	0	Tr	–	1	*
	Point of Ayre ...	31·7	+4	NW	1	b	57	92	54	8	–	–	4	0	Tr	–	0	1
13A	Tiree	32·6	+6	NW	1	c-bc	54	85	49	9	5	–	–	7-8	7-8	2000	1	1
13B	Stornoway ...	31·5	-2	S	2	c	54	85	48	8	5	–	–	10	10	2400	0	2
15	Dalwhinnie ...	31·8	0	SW	2	bc	50	92	48	8	7	–	1	2-3	4-6	1500	0	*
	Aberdeen † ...	31·6	+2	NNW	1	c	56	85	50	8	5	–	–	9+	9+	3500	1	1
	Wick ...	31·3	+2	WNW	1	c	54	85	50	9	5	3	–	4-6	9+	3000	0	*
16	Sumburgh ..	30·4	+2	NW	2	c	53	85	47	8	5	2	–	10	10	2000	1	2
17	Blacksod Point	31·5	+4	–	0	b	57	92	55	7	–	–	2	0	Tr	–	0	1
18	Malin Head ...	31·4	+2	E'N	1	b	56	75	48	8	–	–	–	0	0	–	1	1
	Aldergrove ...	32·3	0	–	0	b	54	85	50	8	–	–	1	0	Tr	–	1	*
19	Birr Castle ...	31·3	+2	SSE	1	b	58	85	53	8	–	–	–	0	0	–	0	*
20	Valentia Obsy.	30·9	+2	–	0	b	56	92	54	9	–	–	1	0	Tr	–	0	1
	Roches Point	30·8	0	N'E	3	b	52	97	51	8	–	–	–	0	0	–	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
London (Kew)	71	53	41	–	–	8·4
Croydon	71	48	44	–	–	8·0
S. Farnborough	73	53	44	–	–	10·6
Boscombe Down	73	51	47	–	–	11·8
Thorney Island	71	56	52	–	–	*
Lympne	70	48	45	–	–	11·3
Manston	66	54	51	–	–	10·6
Shoeburyness	69	47	43	–	–	9·0
Felixstowe	66	48	45	–	–	7·9
Gorleston	64	53	50	–	–	5
Mildenhall	67	45	39	–	–	7·0
Cranwell	67	47	43	–	–	6·1
Birmingham	68	55	48	–	–	7·4
Upper Heyford	71	53	43	–	–	*
Ross-on-Wye	71	53	47	–	–	9·8
Hartland Point	61	57	54	–	–	14·3
Bristol	70	48	43	–	–	11·3
Portland Bill	65	57	*	–	–	*
Plymouth	65	52	40	–	–	12·5
The Lizard	66	55	*	–	–	13·8
Scilly (St. Mary's)	63	54	*	–	–	14·6
Guernsey						
Pembroke	63	52		–	–	15·2
Holyhead (Valley)	61	46	42	–	–	*
Chester (Sealand)	63	49	39	–	–	13·0
Manchester	66	49	41	–	–	*
Spurn Head	61	55	*	–	–	6·8
Catterick (Sc)	63	46	41	–	–	6·9
Tynemouth	66	50	48	–	–	*
St. Abbs Head	63	50	*	–	–	
Leuchars	66	50	44	–	–	0·8
Renfrew (Abbots I.)	69	45	40	–	Tr	15·4
Eskdalemuir	65	41	34	–	–	6·3
Point of Ayre	63	46	*	–	–	15·2
Tiree	59	45	37	–	–	1·2
Stornoway	62	51	51	–	–	1·5
Dalwhinnie	67	39	27	–	–	8·4
Aberdeen †	64	50	46	–	–	3·3
Wick	59	48	43	–	–	*
Sumburgh	57	53	48	Tr	Tr	1·5
Blacksod Point	65	49	*	–	–	
Malin Head	58	45		*	–	8·3
Aldergrove	67	42	38	–	0·2	9·4
Birr Castle	73	47	44	–	–	14·6
Valentia Obsy.	69	48	44	–	Tr	15·6
Roches Point	62	51		–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 26th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02958	26528	52	02856	28428	5-	02848	24228	5-	02858	25358
115				52	02844	20327	52	02844	20127	52	03844	20227
203				03	01870	16327	04	02850	20125			
206	5-	02868	00028	53	01974	06324	5-	02868	00028	5-	02867	00027
210	53	02863	26326	53	01964	02224	5-	02868	12118	5-	02865	18125
219	5-	02855	20328	5-	02845	22328	5-	02865	21325	5-	21944	20258
280	03	01990	22225	53	01971	26211	04	01890	26102	14	01851	00002
245	73	02964	12317	5-	01863	09223	5-	02855	00015	54	03867	24117
260	7-	02765	00025	53	01773	12113	00	05690	16100	00	00790	12100
278	57	02855	29426	03	01890	29311	00	00890	25209	04	01890	29201
279	73	01863	24214	70	01862	24213	00	05690	26210	00	05690	07113
285	23	02855	28227									
288	53	05663	02327	03	02890	02327	50	01763	23123	03	05690	00001
575	10	01863	30213	10	01861	26112	00	00890	00000	00	01790	00001
301	20	01851	26311	10	01861	28301	00	05690	12100	00	08490	08126
321	76	02765	04225	76	02864	04325	50	01774	00024	54	01763	00014
298	87	02784	30315	44	01753	30314	50	01753	30313	5-	02756	30216
292				46	02854	01227	03	01890	00013	08	00890	00810
310 614	52	05654	06227	5-	05664	06227	53	05664	06126	04	05690	04102

III	13h. G.M.T. 26th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	10	01862	03312	10	01861	30301	00	00890	24200	00	04890	30102
334	--	01752	04204									
340	7-	02765	28215	00	00790	32210	5-	02665	30125	13	05661	16143
136	7-	02844	01327	13	02853	04326	50	01742	32212	5-	02847	32427
336				10	01763	32313						
350	7-	02857	01327	76	01874	06224	50	01764	04214	7-	02745	02245
368				20	01760	26101	00	05690	00000	50	05663	04102
379	20	02755	32315	20	01664	02114	50	02763	00018	50	01764	02214
390	8-	02757	32327	73	02774	32325	00	05690	02110	5-	05644	02227
382	26	01854	32214	76	01863	04213	5-	02768	06128	50	01742	04112
438				8-	02759	06316	50	01753	02313	20	01753	04313
430	10	02765	18225	20	01764	14314	5-	02778	00028	--	05662	02312
409	10	01852	02412	54	01862	02402	00	00890	04200	00	00890	13300

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, 18 = 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 June
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 of Period.
Kew ...	bbczcy	cy	cybcc	
Croydon ...	bzczy	cy	cbcmc	
Greenwich ...	bzbccy	cy	cbc	
Camden Square	b	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	c	

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 %	Humidity 9h % Today
Kew ...	71	53	41	–	–	8·4	*	*
Croydon ...	71	48	44	–	–	8·0	*	*
Greenwich ...	72	51	37	–	–	7·6	51	70
Westminster ...	72	53	50	–			51	69
Regents Park ...	73							
Camden Square	73	52	46	–	–	*	*	71
Kensington ...	73	52	45	–	–		54	71
Hampstead ...	70	49	47	–	–		*	71

SECRET

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BRITISH SECTION

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

Monday, 28th June 1943

No. 23803

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

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)	32·2	-2	NE	2	c	65	55	49	7	7	–	–	9+	9+	4000
	Croydon ...	32·1	-2	N	3	c	63	55	48	8	5	–	–	9	9	3000
	S. Farnborough	31·9	-4	NE'E	3	c-bc	66	55	49	8	7	–	–	7-8	7-8	3000
	Boscombe Down	31·0	-6	NNE	3	bc	70	45	50	8	1	–	–	4-6	4-6	3400
	Thorney Island	31·4	-2	NNE	3	bc	65	55	49	7	2	–	–	4-6	4-6	2500
	Lympne ...	31·8	+2	NNE	3	c	62	65	48	8	5	–	–	10	10	2200
	Manston ...	31·7	+2	NNE	3	c	64	55	49	8	5	3	–	4-6	9	3000
2	Shoeburyness ...	31·9	-2	NNE	2	c-bc	65	55	50	9	5	–	–	7-8	7-8	2500
	Felixstowe ...	32·0	+2	N	1	c	65	65	53	8	5	–	–	9+	9+	4000
	Gorleston ...	31·0	+2	N	4	c	59	75	49	7	8	–	–	10	10	1800
	Mildenhall ...	32·0	-6	N	2	c	64	65	51	8	5	–	–	9	9+	2000
	Cranwell ...	31·8	-4	–	0	c-bc	67	55	51	8	1	–	–	7-8	7-8	2500
3	Birmingham ...	31·5	-2	NE	2	c-bc	68	45	46	8	7	–	1	7-8	7-8	4000
	Upper Heyford	31·4	-6	NE'N	3	c-bc	68	55	51	8	1	–	1	7-8	7-8	3000
4	Ross-on-Wye	31·5	-4	N	2	bc	69	55	52	8	1	–	–	4-6	4-6	3500
5	Hartland Point	31·2	0	NE	2	b	63	85	57	7	1	–	–	1	1	3000
	Bristol ...	31·5	-4	E	2	bc	71	55	55	8	1	–	–	4-6	4-6	4000
	Portland Bill ...	31·6	+4	ESE	2	c-bc	62	85	59	8	2	4	–	4-6	7-8	4000
	Plymouth ...	31·7	+2	SSW	3	c-bc	69	65	53	9	5	–	–	7-8	7-8	2000
	The Lizard ...	31·1	+4	E	2	b	65	75	56	8	–	–	–	0	0	–
	Scilly (St. Mary's)	31·1	+4	ESE	4	b	68	75	58	8	–	–	–	0	0	–
	Guernsey ...															
6	Pembroke ...	32·2	0	S	3	8	62	85	58	7	2	–	–	2-3	2-3	3000
7	Holyhead (Valley)	31·9	-6	NW'N	1	b	67	65	56	8	1	–	4	Tr	Tr	3000
	Chester (Sealand)	31·3	-4	N'W	3	bc	72	55	57	7	7	–	–	4-6	4-6	3500
8	Manchester ...	31·3	-6	–	0	b-bc	71	55	52	7	1	–	–	2-3	2-3	3000
10	Spurn Head ...	32·4	0	ENE	3	b-bc	61	65	51	7	1	4	1	1	2-3	2500
	Catterick (Sc) ...	30·8	-8	WSW	1	bc	72	55	52	7	2	–	1	4-6	4-6	3000
	Tynemouth ...	32·3	+2	E	2	b-bc	60	85	56	7	–	3	–	0	2-3	–
11	St. Abbs Head	21·5	+4	ESE	2	b	60	75	53	8	1	–	–	1	1	4000
	Leuchars ...	31·8	-6	ENE	3	b-bc	65	65	52	9	1	–	2	2-3	2-3	3500
12	Renfrew (Abbots I.)	31·3	-6	V	1	b-bc	72	55	57	7	1	–	4	1	2-3	3000
	Eskdalemuir ...	30·5	-2	SSW	2	b-bc	69	65	56	8	1	–	4	2-3	2-3	4000
	Point of Ayre ...	32·2	0	NNW	2	b	63	75	56	8	1	–	4	Tr	1	3000
13A	Tiree	32·7	-6	SSE	1	b	57	85	51	9	1	–	–	1	1	2500
13B	Stornoway ...	32·0	+2	SW	3	c	55	85	50	9	5	–	–	10	10	2500
15	Dalwhinnie ...	31·5	+2	SW	2	b	71	35	43	8	4	–	1	Tr	1	4000
	Aberdeen ...	31·8	-2	ESE	2	c-bc	61	65	51	8	5	–	–	7-8	7-8	3500
	Wick ...	31·7	-2	SE	1	c	57	75	49	9	5	–	–	9	9	2500
16	Sumburgh ...	31·1	+2	W	3	id	54	85	48	8	5	–	–	10	10	2000
17	Blacksod Point	31·5	-2	NNW	1	b	67	75	59	8	1	–	–	Tr	Tr	4000
18	Malin Head ...	31·6	-6	E'S	4	bc	56	85	51	8	1	–	2	2-3	4-6	2500
	Aldergrove ...	31·9	-6	WNW	1	b-bc	71	65	57	9	1	–	4	1	2-3	2500
19	Birr Castle ...	31·0	-8	SE	1	c-bc	74	55	57	8	1	–	5	2-3	7-8	2500
20	Valentia Obsy.	31·2	-2	W	2	b	65	75	57	9	1	–	1	Tr	1	4000
	Roches Point	31·9	0	E	3	b	61	85	56	9	–	–	1	0	Tr	–

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

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)	30·4	-12	NE	3	c-bc	68	45	47	8	7	–	1	4-6	7-8	2500	0	*
	Croydon ...	30·5	-8	NNE	2	c-bc	65	55	49	8	5	–	2	7-8	7-8	3500	0	*
	S. Farnborough	30·4	-10	NE'E	2	bc	68	55	49	8	7	6	4	4-6	4-6	4000	0	*
	Boscombe Down	29·9	-10	NE	2	bc	70	45	46	8	4	–	–	4-6	4-6	3000	0	*
	Thorney Island	30·2	-8	SE'S	3	bc	65	75	55	9	2	–	3	4-6	4-6	4000	0	*
	Lympne ...	30·7	-10	ENE	3	b-bc	62	65	51	8	1	–	4	2-3	2-3	2500	0	§1
	Manston ...	30·7	-2	NE	2	bc	61	75	51	8	1	–	4	4-6	4-6	4000	0	*
2	Shoeburyness ...	31·0	-4	E'S	3	b-bc	62	75	53	9	1	–	1	2-3	2-3	4000	0	*
	Felixstowe ...	30·8	-12	NE	4	bc	62	75	55	8	1	–	–	4-6	4-6	4000	0	1
	Gorleston ...	30·2	-10	N'E	4	c	59	75	52	7	7	–	–	9+	9+	1700	0	3
	Mildenhall ...	30·5	-10	N'E	3	b	67	55	51	8	1	–	1	Tr	Tr	3000	0	*
	Cranwell ...	30·5	0	E	1	bc	66	75	56	8	1	–	1	Tr	4-6	3000	0	*
3	Birmingham ...	29·9	-6	N	2	b-bc	72	45	48	8	1	–	–	2-3	2-3	4000	0	*
	Upper Heyford	30·3	-10	ENE	2	b-bc	68	55	52	8	1	–	1	1	2-3	4000	0	*
4	Ross-on-Wye	29·8	-8	E	2	b	71	45	52	8	1	–	–	Tr	Tr	4200	0	*
5	Hartland Point	29·9	-10	NE	2	b	63	65	52	7	–	–	–	0	0	–	0	2
	Bristol ...	30·5	-4	ENE	2	b-bc	68	65	55	8	4	–	–	2-3	2-3	4000	0	*
	Portland Bill ...	30·1	-8	SE	1	bc	60	85	46	8	2	–	–	4-6	4-6	4000	1	2
	Plymouth ...	30·9	-4	W'S	2	c-bc	62	75	55	8	5	–	–	7-8	7-8	2500	0	1
	The Lizard ...	28·2	-8	E	2	b-bc	64	75	55	8	7	–	–	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	30·4	-6	E'N	2	b	66	75	62	8	–	–	–	0	0	–	0	2
	Guernsey ...																	
6	Pembroke ...	30·4	-6	NNE	3	b-bc	66	75	56	7	1	–	–	2-3	2-3	3000	0	2
7	Holyhead (Valley)	31·2	-6	NW	1	b	65	75	55	8	–	–	1	0	1	–	0	
	Chester (Sealand)	30·4	-6	NW'N	3	b	66	75	57	7	–	–	1	0	1	–	0	*
8	Manchester ...	29·9	-6	W'N	3	2o	69	65	56	6	4	–	2	Tr	4-6	4000	0	*
10	Spurn Head ...	31·7	-6	ENE	2	b-bc	58	75	50	7	1	4	1	1	2-3	2500	0	1
	Catterick (Sc) ...	30·8	-2	NNE	2	2o	64	65	52	6	–	3	–	0	2-3	–	0	*
	Tynemouth ...	32·1	-4	ESE	2	b-bc	57	92	54	8	–	3	–	0	2-3	–	0	1
11	St. Abbs Head	30·9	-6	SE	4	b-bc	57	85	53	8	5	4	–	2-3	2-3	4000	0	2
	Leuchars ...	30·7	-6	ESE	3	b	63	65	52	8	–	–	9	0	1	–	0	*
12	Renfrew (Abbots I.)	30·6	0	WNW	3	b-bc	72	55	56	9	1	–	5	Tr	2-3	3000	0	*
	Eskdalemuir ...	29·7	-4	SW	3	b-bc	70	65	57	8	1	–	4	1	2-3	4000	1	*
	Point of Ayre ...	31·4	-6	NW'W	2	b	64	75	54	8	–	–	1	0	Tr	–	0	1
13A	Tiree	32·3	-4	NNE	1	b-bc	61	75	54	9	–	–	2	0	2-3	–	0	1
13B	Stornoway ...	32·4	+2	WNW	2	c	59	65	49	9	5	–	–	9+	9+	3500	0	2
15	Dalwhinnie ...		+2	SW	1	b-bc	68	55	50	8	1	–	2	Tr	2-3	4000	0	
	Aberdeen ...	32·0	-2	ESE	2	c-bc	56	85	51	8	5	–	–	7-8	7-8	3500	0	*
	Wick ...	32·0	-2	N'W	1	c	56	75	49	9	5	–	–	9+	9+	3000	0	*
16	Sumburgh ...	31·2	-2	W	2	⁰/d	52	92	50	8	5	–	–	10	10	1800	1	2
17	Blacksod Point	31·0	-2	–	0	b	66	55	49	8	1	–	–	Tr	Tr	4000	0	1
18	Malin Head ...	31·3	-2	E'N	3	b-bc	58	75	50	8	1	–	–	2-3	2-3	2500	1	3
	Aldergrove ...	31·3	-4	E'N	1	b	69	65	57	8	4	–	5	Tr	Tr	2500	0	*
19	Birr Castle ...	29·9	-8	SE	1	c-bc	75	55	58	8	–	–	5	0	7-8	–	0	*
20	Valentia Obsy.	30·0	-10	S'W	3	b	70	55	53	8	–	–	1	0	1	–	0	2
	Roches Point	31·0	-6	SE	3	b-bc	60	92	58	8	–	–	5	0	2-3	–	0	2

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 27th (39)	13h.—18h. 27th (40)	18h. 27th to 1h. 28th (41)	1h.—7h. 28th (42)
1	London (Kew)	cy	cbcy	bcybw	bwbccm
	Croydon ...	c	cbccy	bcybmw	bcmfqc
	S. Farnborough	cbccy	bcbcy	bcybmw	bmowbcm
	Boscombe Down	bcbybcy	bcybgbcy	bcyb	bbmo
	Thorney Island	bc	bcybc	bbw	bwfgbw
	Lympne ...	c	cbcy	bc	bcc
	Manston ...	c	cybc	bcc	bc
2	Shoeburyness ...	cbccy	cybbc	bc	bcc
	Felixstowe ...	cwc	cbc	bcb,c	cy
	Gorleston ...	c	c	c	c
	Mildenhall ...	c	cyby	bybcb	bcc
	Cranwell ...	bcc	cvbcy	bcb	bcmocm
3	Birmingham ...	cbc	bc	bc	bcc2
	Upper Heyford	bmbbcy	cybcy	bcyb	bmocmo
4	Ross-on-Wye	bby	bcyby	bbmo	bmw
5	Hartland Point	b	b	bbcb	b
	Bristol ...	bcwbybcy	bcyb	bwbmow	bmowfgmo
	Portland Bill ...	bcc	bcbc	bc	bcc
	Plymouth ...	bc	bc	bbmo	bcmo
	The Lizard ...	bcb	bbc	bbc	bc
	Scilly (St. Mary's)	b	b	b	bw
	Guernsey ...				
6	Pembroke ...	cbm	bcmo	bc	bcmo
7	Holyhead (Valley)	b	b	b	bcbw
	Chester (Sealand)	bmbzy	bccby	bbmo	bmom
8	Manchester ...	cbzbcy	bcbczo	bcbzomw	bmoffw
10	Spurn Head ...	bc	bc	bc	0
	Catterick (Sc) ...	bczba	bzbcz	bmobm	bjff
	Tynemouth ...	bcbmbo	bc	bcb	bbcc
11	St. Abbs Head	b	2bcb	bbc	bcc
	Leuchars ...	bcybc	bcb	bcmof	c
12	Renfrew (Abbots I.)	bmowbcbcy	bcyby	bybc,wbw	bmkomof
	Eskdalemuir ...	bcybc	bcybc	bcb	bfbw
	Point of Ayre ...	b	b	b	b
13A	Tiree	cbcb	b	bcb	b
13B	Stornoway ...	c	c	bbw	cbcc
15	Dalwhinnie ...	bcb	bbc		bcb
	Aberdeen ...	cbc	bcbbcc	c*	cbcb
	Wick ...	c	c	c	bcbbc
16	Sumburgh ...	cid	cid.c	c	c
17	Blacksod Point	b	b	b	b
18	Malin Head ...	b.	bc	bc	b
	Aldergrove ...	b	b	bbw	bw
19	Birr Castle ...	c	c		b
20	Valentia Obsy.	b	b	b*	b
	Roches Point	b	b	b	f

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 28th June

Districts.	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Light northeast or north wind; mainly bright but much low cloud in morning: rather warm during day.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light northeast or variable wind; mainly bright: warm.
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 15 N.E. Scotland	As 4–8
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 4–8

GENERAL INFERENCE

The anticyclone over the British Isles is tending to move north slightly. Weather will be generally fair but there will be much cloud in the morning in eastern districts south of the Forth.

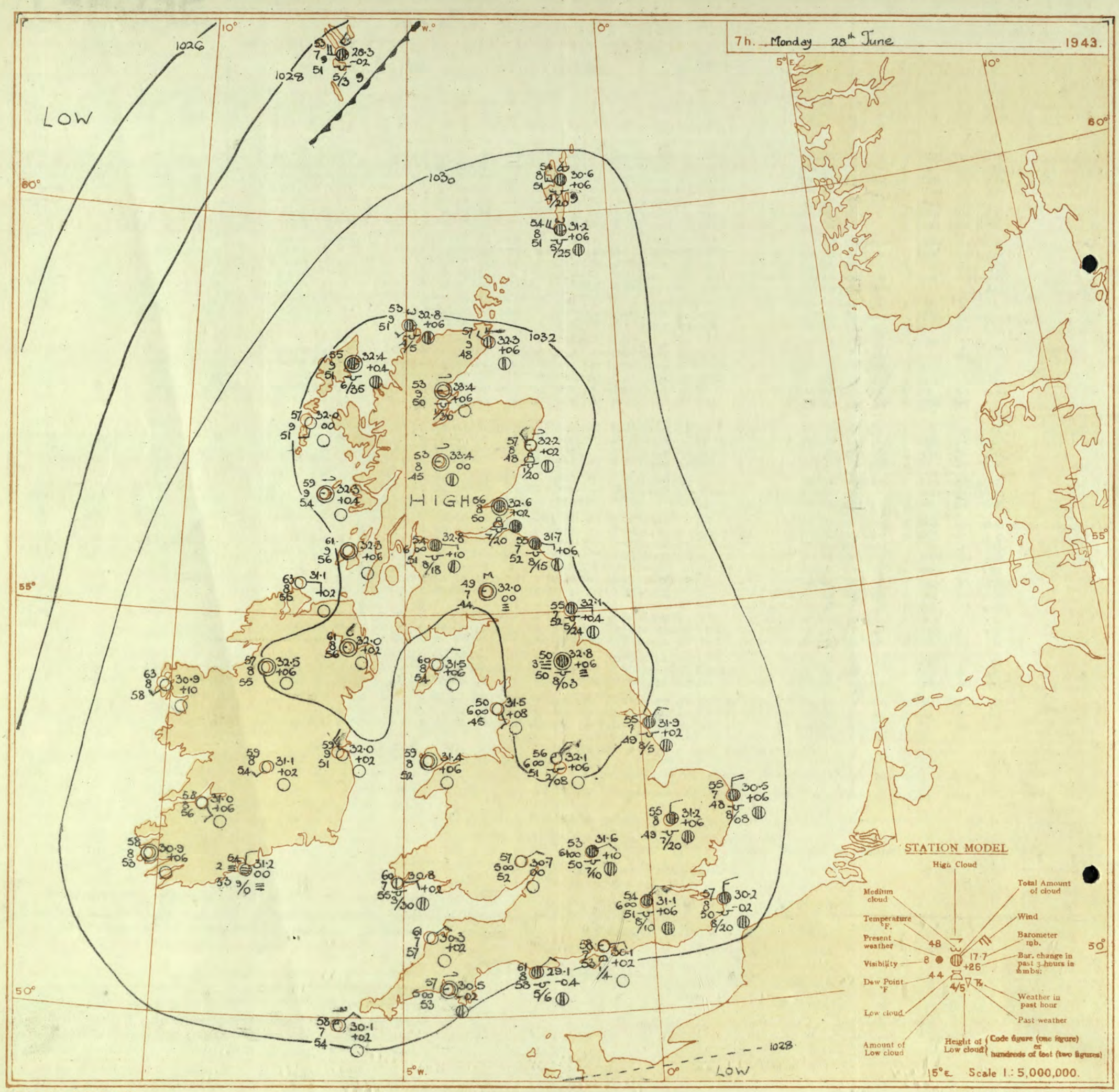
FURTHER OUTLOOK

Fair for some days; warm in western districts.

Forecasts issued at 1300

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

7h. Monday 28th June 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

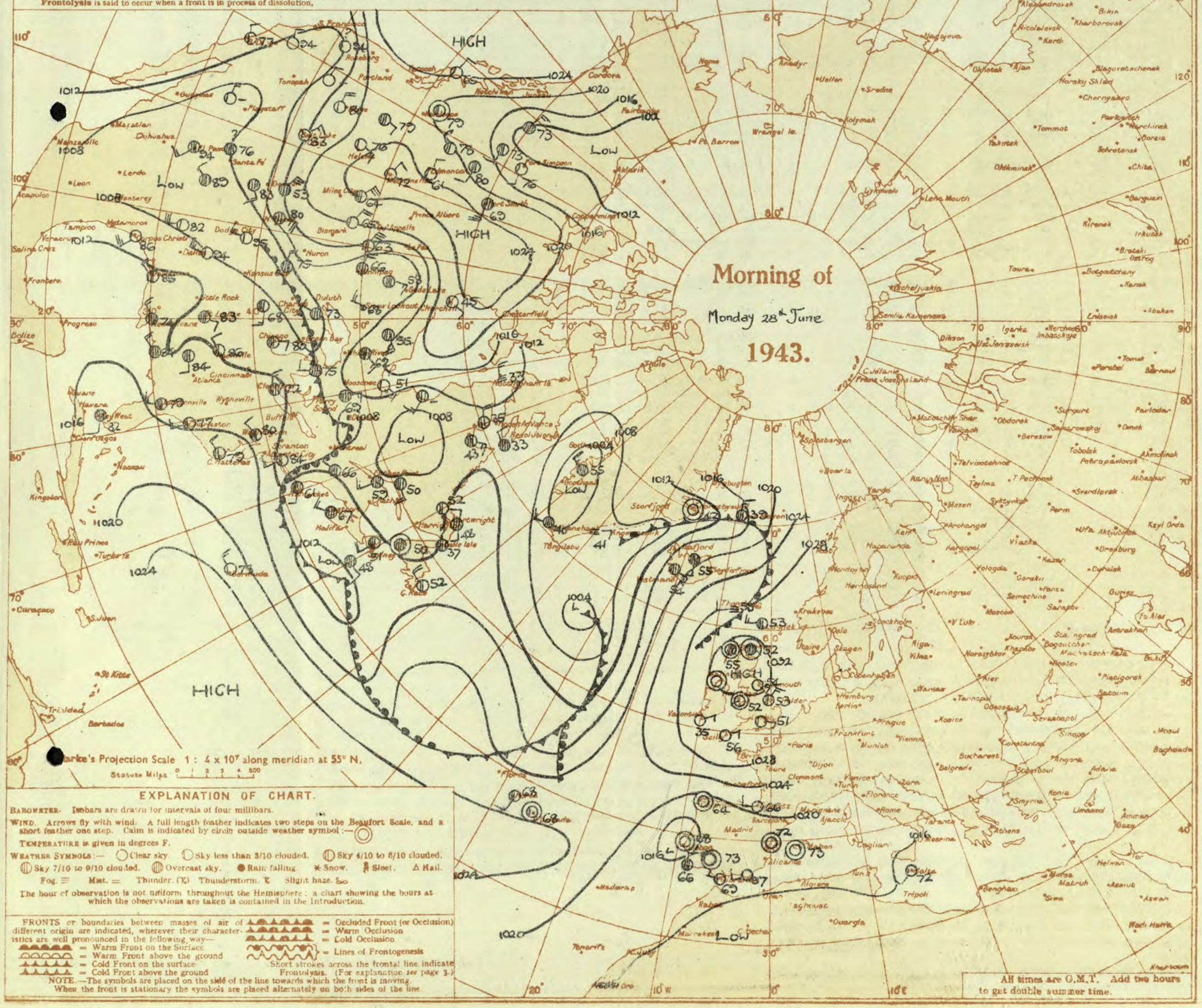
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Monday, 28th June 1943
No. 29803

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	30·9	-2	E	1	b	51	92	49	6	-	-	1	0	Tr	-
	S. Farnborough	226	30·5	-4	-	0	zo	51	92	48	6	-	-	-	0	0	-
	Boscombe Down	417	30·8	-2	-	0	b	52	85	48	7	-	-	-	0	0	-
	Thorney Island	10	30·4	-6	-	0	b	50	49	49	8	-	-	-	0	0	-
	Lympne	283	31·0	-2	NE	1	c-bc	52	92	51	7	S	-	-	7-8	7-8	2000
	Manston	154	30·8	-2	NEN	3	o	56	85	50	7	S	-	-	10	10	1900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	31·0	0	NNW	2	c	55	75	49	8	S	-	-	10	10	1700
	Gorleston	5	30·4	0	NNE	4	c	55	85	49	7	S	-	-	10	10	1500
	Mildenhall	15	31·2	+2	-	0	bc	49	97	48	7	S	-	-	2-3	4-6	3000
	Cranwell	203	31·5	0	E	1	b	51	97	50	7	-	4	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	30·9	0	NNE	1	zo	55	85	51	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	30·4	0	ESE	2	b	56	85	52	7	-	-	-	0	0	-
	Bristol	209	31·0	0	-	0	zo	53	85	50	6	-	-	-	0	0	-
	Portland Bill	32	30·2	-6	SW	1	bc	59	85	55	8	S	-	-	4-6	4-6	4000
	Plymouth	86	31·2	0	ENE	1	zo	52	97	51	6	-	-	-	0	0	-
	The Lizard	240	30·4	0	-	0	b-bc	55	97	54	8	4	-	-	2-3	2-3	4000
	Scilly (St. Mary's)	163	30·5	-2	NEE	2	b	56	92	54	8	-	-	-	0	0	..
	Guernsey	175															
6	Pembroke	142	31·2	-2	-	0	zo	58	85	56	6	S	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	31·4	-4	-	0	b	52	92	49	8	-	-	-	0	0	-
	Chester (Sealand)	16	31·1	-2	-	0	zo	53	92	51	5	-	-	-	0	0	-
8	Manchester	230	30·8	0	-	0	zo	54	97	53	5	-	-	-	0	0	-
10	Spurn Head	29	31·8	-4	NE	3	bc	53	85	49	7	7	-	-	4-6	4-6	2500
	Catterick (Sc)	192	32·2	-2	-	0	zo	48	92	47	5	-	-	-	0	0	-
	Tynemouth	108	32·3	+2	ESE	2	b	54	85	50	7	-	-	-	0	0	-
11	St. Abbs Head	280	31·1	-4	ESE	3	bc	52	97	52	7	S	4	-	2-3	4-6	4000
	Leuchars	36	32·4	+2	-	0	c	53	92	51	7	S	-	-	10	10	1100
12	Renfrew (Abbots I.)	19	31·5	+2	NE	1	b	52	92	51	8	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	31·4	0	WNW	1	b	52	85	48	8	-	4	1	0	Tr	-
13A	Tiree	44	32·2	+2	-	0	b	50	97	50	8	-	-	-	0	0	-
13B	Stornoway	12	32·5	+2	-	0	c	55	92	52	9	S	-	-	9	9	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	32·6	+2	-	0	c	53	92	51	9	S	-	-	9+	9+	1500
	Wick	114	32·4	-6	-	0	c	52	85	49	8	S	3	-	4-6	9+	4000
16	Sumburgh	19	30·7	-6	W	3	c	52	92	50	8	S	7	-	9	9+	2000
17	Blacksod Point	18	30·2	-6	-	0	b	59	92	57	8	-	-	-	0	0	-
18	Malin Head	84	31·1	-4	-	0	b	55	85	51	8	4	-	-	1	1	2500
	Aldergrove	268	32·0	-2	ENE	1	b	52	85	50	8	-	-	1	0	Tr	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	30·3	-6	NE	1	b	55	85	51	8	-	-	-	0	0	-
	Roches Point	22	31·2	-4	NE	1	b	53	97	52	6	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 28th June

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	31·6	+10	NE	3	zo	54	85	50	6	S	2	-	9	10	1500	0	*
Croydon	31·1	+6	NE	2	zo	54	85	51	6	S	-	-	10	10	1000	0	*
S. Farnborough	31·0	+6	EN	2	zo	55	85	51	5	1	-	-	4-6	4-6	2000	0	*
Boscombe Down	30·3	0	-	0	zo	58	75	50	6	-	-	-	0	0	-	0	*
Thorney Island	30·1	+2	EN	1	b	58	85	53	7	1	-	-	Tr	Tr	1500	0	*
Lympne	30·5	+2	NNE	3	c	56	75	49	7	S	-	-	10	10	2700	0	§2
Manston	30·2	-2	NE	3	c	57	85	50	8	S	-	-	10	10	2000	0	*
Shoeburyness	30·9	+6	N	1	c	55	75	48	7	S	-	-	10	10	2500	0	*
Felixstowe	30·7	+4	NW	3	c	59	55	43	8	S	-	-	10	10	1500	0	1
Gorleston	30·5	+6	N	4	c	55	85	48	7	S	-	-	10	10	800	0	2
Mildenhall	31·2	+6	NE	2	c	55	85	49	8	S	-	-	9+	9+	2000	0	*
Cranwell	31·9	+8	NE	1	zo	54	85	50	6	S	-	-	10	10	1500	0	*
Birmingham	31·5	+4	E	2	zo	57	75	49	5	-	-	-	0	0	-	0	*
Upper Heyford	31·6	+10	ENE	2	zo	53	85	50	6	S	-	-	9+	9+	1000	0	*
Ross-on-Wye	30·7	0	NEE	1	zo	57	85	52	5	-	-	-	0	0	-	0	*
Hartland Point	30·3	+2	NE	1	b	61	85	57	7	-	-	-	0	0	-	0	
Bristol	30·7	0	-	0	zo	59	85	55	6	-	-	-	0	0	-	0	*
Portland Bill	29·1	-4	NE	1	c-bc	61	85	58	8	S	-	-	7-8	7-8	4000	1	2
Plymouth	30·5	-2	-	0	zo	57	85	53	5	-	-	1	0	Tr	-	0	1
The Lizard	30·9	+10	-	0	b-bc	60	75	52	8	4	-	-	2-3	2-3	3000	0	1
Scilly (St. Mary's)	30·1	+2	NEE	2	b	58	85	54	7	-	-	2	0	1	-	0	1
Guernsey																	
Pembroke	30·8	+2	ENE	2	b-bc	60	85	55	7	S	-	-	2-3	2-3	3000	0	1
Holyhead (Valley)	31·4	+6	-	0	b	59	75	52	8	-	-	-	0	0	-	0	1
Chester (Sealand)	31·4	+10	-	0	zo	57	85	52	5	-	-	-	0	0	-	0	*
Manchester	31·5	+6	SW	1	bf	51	97	50	3	-	-	-	0	0	-	0	*
Spurn Head	31·9	+2	NEN	3	of	55	85	49	7	S	-	-	10	10	2500	0	1
Catterick (Sc)	32·8	+6	-	0	of	50	97	50	3	S	-	-	10	10	300	0	*
Tynemouth	32·1	+4	E	2	c-bc	55	92	52	7	S	-	-	7-8	7-8	2400	0	2
St. Abbs Head	31·7	+6	ESE	1	c	55	92	52	7	S	-	-	10	10	1500	0	2
Leuchars	32·6	+2	-	0	c	56	85	50	8	8	-	-	9+	9+	2000	0	*
Renfrew (Abbots I.)	32·8	+10	E	1	zo	54	92	51	6	S	-	-	10	10	1800	0	*
Eskdalemuir	32·0	0	-	0	b	49	85	44	7	-	8	-	0	Tr	-	1	*
Point of Ayre	31·5	+6	NEN	1	b	60	85	54	8	-	-	-	0	0	-	0	0
Tiree	32·3	+4	-	0	b	59	85	54	9	-	-	1	0	Tr	-	1	1
Stornoway	32·4	+4	-	0	c	55	85	51	9	S	-	-	9	9	3500	0	0
Dalwhinnie		0	-	0	b	53	75	45	8	-	-	1	0	Tr	-	0	*
Aberdeen †	32·2	+2	NW	1	b	57	75	48	8	8	-	1	Tr	Tr	2000	0	1
Wick	32·3	+6	WNW	1	bc	57	75	48	9	-	-	S	0	4-6	-	0	*
Sumburgh	31·2	+6	WNW	4	c	54	92	51	8	S	3	-	7-8	9	2500	0	2
Blacksod Point	30·9	+10	SW	1	b	63	85	58	8	-	-	-	0	0	-	0	1
Malin Head	31·1	+2	E	1	b	63	75	55	8	-	-	-	0	0	-	0	0
Aldergrove	32·0	+2	-	0	b	61	85	56	8	-	4	-	0	Tr	-	0	*
Birr Castle	31·1	+2	SW	1	b	59	85	54	8	-	-	-	0	0	-	0	*
Valentia Obsy.	30·9	+6	-	0	b	58	85	53	8	-	-	-	0	0	-	0	1
Roches Point	31·2	0	N	1	f	54	97	53	2	-	-	-	10	10	<150	0	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 27th Hrs. (38)
London (Kew)	68	51	36	-	-	4·8
Croydon	68	47	43	-	Tr	6·8
S. Farnborough	70	46	34	-	-	12·9
Boscombe Down	71	47	47	-	-	12·6
Thorney Island	70	45	42	-	-	*
Lympne	66	50	46	-	-	8·0
Manston	65	54	50	-	-	6·9
Shoeburyness	66	52	51	-	-	8·0
Felixstowe	65	51	47	-	-	5·2
Gorleston	62	54	53	-	-	1·[illegible]
Mildenhall	68	47	41	-	-	6·7
Cranwell	72	45	43	-	-	3·3
Birmingham	73	53	46	-	-	10·5
Upper Heyford	70	49	39	-	-	*
Ross-on-Wye	73	49	43	-	-	11·0
Hartland Point	65	55	53	-	-	14·2
Bristol	74	48	39	-	Tr	12·1
Portland Bill	64	56	*	-	-	*
Plymouth	69	49	39	-	-	8·1
The Lizard	66	53	*	-	-	13·7
Scilly (St. Mary's)	70	53	*	-	-	14·1
Guernsey						
Pembroke	68	53	*	-	-	13·4
Holyhead (Valley)	69	48	40	-	-	*
Chester (Sealand)	74	67	40	-	-	13·6
Manchester	73	50	43	-	-	*
Spurn Head	61	52	*	-	-	10·7
Catterick (Sc)	74	41	40	-	-	13·4
Tynemouth	61	52	47	-	-	*
St. Abbs Head	62	52	*	-	-	*
Leuchars	65	51	*	-	-	*
Renfrew (Abbots I.)	74	51	43	-	Tr	14·3
Eskdalemuir	74	43	33	-	-	14·0
Point of Ayre	64	49	*	-	-	14·2
Tiree	62	48	39	-	-	11·8
Stornoway	66	49	41	-	-	0·2
Dalwhinnie	72	37	24	-	-	13·7
Aberdeen †	61	53	50	-	-	6·1
Wick	59	57	40	-	-	*
Sumburgh	55	51	49	Tr	-	0·4
Blacksod Point	70	53	*	-	-	
Malin Head	59	52		-	-	15·3
Aldergrove	73	49	42	-	0·1	15·0
Birr Castle	75	49	45	-	-	14·3
Valentia Obsy.	70	51	45	-	Tr	15·0
Roches Point	62	53		-	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 27th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 28th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	02955	26427	5-	02956	27326	53	02855	23326	53	01853	27424
115	54	02844	20227	53	02944	20227	53	02844	16126	53	02954	20126
203	5-	02957	20327	14	01990	16215	14	01953	08213			
206	10	01963	10313	10	02962	08325	5-	02855	00015	50	01961	00001
210	50	01961	03111	50	01962	07314	53	02864	20126	53	01861	28122
219	10	01963	21313	70	01973	20214	00	00890	00001	00	00590	16200
280	10	01961	20202	10	01961	201·3	00	01990	00001	03	17890	00014
245	70	01763	14313	54	01763	10203	5-	02746	00026	5-	02864	23324
260	00	01890	20100	00	05690	00010	00	05690	04202	5-	05658	00028
278	10	01851	31213	06	01890	29811	00	01890	25101	00	00890	28100
279	10	01761	24312	10	01861	20312	00	00890	37210	00	05690	06300
285										00	00790	02300
288	00	05690	02417	00	17690	02311	50	05551	14111	5-	45348	20148
575	10	01863	20203	14	01962	00003	00	00890	00000	00	00890	00000
301	00	05690	26200	00	05690	28202				00	05690	12100
321	10	01865	04215	00	01890	10210	00	05690	00010	5-	05668	12148
298	10	01752	32212	04	00790	32202	50	01754	32114	5-	03748	02328
292	10	01864	28214	40	01761	11223	04	01790	00000	03	05690	00016
310												
614	70	05665	05225	00	05690	14113	00	05590	04210	10	05644	04114

III	13h. G.M.T. 27th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 28th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
383	10	01761	26101	00	00790	26200	00	05690	26100	00	05590	30100
384										--	04390	00026
340	10	01764	12114	10	01661	30111	00	47390	00000	00	05590	14140
136	10	01954	01324	13	01961	02202	5-	02748	04218	5-	02857	32327
886										50	05643	02312
850	7-	02855	04325	40	01862	06213	50	05663	04203	5-	05638	04228
368	50	01663	08203	50	02665	30115	00	05590	00000	00	08490	00000
379	2-	02856	14316	40	02752	04212	03	01790	04102	00	05690	02300
390	5-	027 7	02327	54	02764	32425	00	05590	00010	5-	08448	32248
382	83	02855	06125	40	01863	08213	00	00790	00010	00	05690	04110
438				84	02755	06315	50	01753	32213	20	05634	02314
430	10	02655	22315	1-	01754	14214	00	01790	00010	10	01742	00002
409	10	00863	20203	50	01862	32312	00	01890	00001	00	01790	03201

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).

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 28th June
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	cy	cbcy	bwbccmo
Croydon	c	cbczy	bmofgc
Greenwich	c	cy	bc
Camden Square	cbc	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 [illegible] 7h 28th
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	68	51	36	-	-	4·8	*	*
Croydon	68	47	43	-	-	6·8	*	*
Greenwich	68	49	34	-	-	6·5	55	72
Westminster	69	54	50	-	-		48	75
Regents Park	71	53	45	-	-		49	77
Camden Square	70	52	44	-	-	*	*	77
Kensington	70	51	41	-	-		53	78
Hampstead	66	50	46	-	-		*	80

SECRET

BRITISH SECTION

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

Tuesday 29th June 1943

No. 29804

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	30.2	-10	N'E	2	b	69	55	51	7	1	-	5	Tr	1	2500
	Croydon	30.2	-10	NNE	2	b	69	55	50	7	1	-	-	Tr	Tr	3500
	S. Farnborough	29.9	-14	ENE	3	b	72	45	51	7	-	-	-	0	0	-
	Boscombe Down	29.8	-2	NE	2	z$_0$	73	45	50	6	-	-	-	0	0	-
	Thorney Island	29.9	-8	SE	2	z$_0$	69	65	58	6	5	-	-	1	1	2500
	Lympne	30.5	-4	NE'E	3	bc	63	65	50	8	5	-	-	4-6	4-6	3000
	Manston	30.3	-4	NNE	3	bc	62	65	50	8	1	-	5	4-6	4-6	3000
2	Shoeburyness	30.6	-14	ESE	3	b-bc	63	65	52	8	5	-	-	2-3	2-3	4000
	Felixstowe	30.6	-8	NNE	3	c	64	75	55	8	5	-	-	9+	9+	2500
	Gorleston	30.5	0	NNE	5	c	59	92	56	7	7	-	-	9+	9+	1500
	Mildenhall	31.3	0	N'E	3	c	63	65	52	8	5	-	-	9+	9+	2500
	Cranwell	31.8	-4	NE	2	c	62	75	53	7	5	-	-	10	10	1500
3	Birmingham	30.5	-4	N	2	z$_0$	71	55	54	6	-	-	-	0	0	-
	Upper Heyford	30.4	-12	NE	3	b	71	55	54	8	-	-	1	0	Tr	-
4	Ross-on-Wye	29.9	-6	E'N	3	b	75	55	56	7	1	-	-	1	1	3500
5	Hartland Point	29.8	-8	NE	2	b	65	75	56	7	-	-	-	0	0	-
	Bristol	30.2	-4	E	3	b	75	55	57	7	1	-	-	1	1	4000
	Portland Bill	30.1	-2	S	2	bc	63	85	60	8	1	-	-	4-6	4-6	4000
	Plymouth	30.2	-2	SSW	3	bc	63	85	57	7	1	-	-	4-6	4-6	2500
	The Lizard	31.2	0	E	3	b-bc	68	75	58	8	7	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	30.5	+2	NE'N	3	b	66	65	53	8	-	-	-	0	0	-
	Guernsey															
6	Pembroke	31.1	0	NW'N	1	b-bc	65	75	57	7	5	-	-	2-3	2-3	3000
7	Holyhead (Valley)	31.2	-2	NW	1	b	71	55	55	8	-	-	-	0	0	-
	Chester (Sealand)	30.4	-6	NNW	3	b	73	45	49	7	-	-	-	0	0	-
8	Manchester	29.8	-10	-	0	z$_0$	73	65	60	6	1	-	-	Tr	Tr	4000
10	Spurn Head	32.4	+4	N'E	3	c	60	65	43	7	5	3	-	7-8	9+	1800
	Catterick (Sc)	32.1	-2	ENE	2	z$_0$	64	65	52	5	1	-	-	7-8	7-8	4000
	Tynemouth	33.0	+2	NE	2	bc	61	85	56	7	2	4	-	4-6	4-6	2000
11	St. Abbs Head	32.1	-4	SW	2	b-bc	57	85	53	7	1	4	-	2-3	2-3	4000
	Leuchars	32.6	-2	ESE	3	b	64	55	49	8	1	-	-	1	1	2500
12	Renfrew (Abbots I.)	31.5	-6	W	2	b	75	55	58	8	1	-	-	Tr	Tr	3000
	Eskdalemuir	31.4	0	NNE	2	b	68	65	55	8	1	-	-	1	1	2400
	Point of Ayre	32.1	0	NNW	2	b	68	75	60	8	-	-	-	0	0	-
13A	Tiree	32.7	0	SSE	1	b	65	75	56	9	-	-	-	0	0	-
13B	Stornoway	32.5	-2	SSE	1	b	60	75	53	9	1	-	-	Tr	Tr	4000
15	Dalwhinnie	32.5	+8	NW	2	b	72	35	40	8	-	-	-	0	0	-
	Aberdeen	32.9	+2	ENE	2	b	59	65	48	9	1	4	1	Tr	Tr	4000
	Wick	32.8	+2	SSE	1	bc	60	75	50	9	5	7	5	2-3	4-6	3000
16	Sumburgh	30.8	-8	WNW	5	c-bc	58	75	50	8	5	3	-	4-6	7-8	3000
17	Blacksod Point	31.4	-6	SW	1	b	70	65	58	8	-	-	-	0	0	-
18	Malin Head	31.7	+2	E	1	b	62	75	54	8	-	-	-	0	0	-
	Aldergrove	32.0	+2	NNW	1	bc	73	65	61	8	7	-	-	4-6	4-6	3000
19	Birr Castle	30.8	-2	ENE	1	b-bc	78	55	60	8	1	-	-	2-3	2-3	2500
20	Valentia Obsy.	30.9	-2	W'N	3	b	69	75	61	8	1	-	-	Tr	Tr	2500
	Roches Point	31.5	+2	SE	2	b	63	85	58	8	1	-	-	Tr	Tr	4000

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	29.4	+2	NE	3	b-bc	70	55	53	7	7	-	1	2-3	2-3	2500	0	•
Croydon	29.0	-2	NNE	2	b-bc	68	65	54	8	4	4	-	2-3	2-3	3500	0	•
S. Farnborough	28.7	-4	NE	3	b-bc	72	45	51	8	1	4	1	Tr	2-3	4500	0	•
Boscombe Down	28.2	-10	NE'N	2	b	74	45	51	7	1	-	-	Tr	Tr	4000	0	•
Thorney Island	28.9	-6	S	2	b-bc	63	75	54	8	4	-	-	2-3	2-3	4000	0	•
Lympne	29.6	-2	NE	3	c-bc	60	75	51	8	3	-	-	7-8	7-8	2000	0	3
Manston	29.5	-8	NNE	4	bc	60	75	52	8	5	-	1	4-6	4-6	4000	0	•
Shoeburyness	29.4	-4	N'E	3	c-bc	63	65	51	8	4	-	-	7-8	7-8	4000	0	•
Felixstowe	29.7	-6	NNE	3	c	61	75	52	8	5	-	-	9+	9+	3000	0	2
Gorleston	29.4	-6	N'W	4	c	59	75	49	7	8	-	-	9+	10	1500	0	4
Mildenhall	30.2	-6	NNE	4	c-bc	62	65	49	8	5	-	-	7-8	7-8	2000	0	•
Cranwell	30.8	-6	E'N	4	bc	63	65	53	8	4	6	-	4-6	4-6	4000	0	•
Birmingham	30.1	0	ENE	3	z$_0$	67	65	55	6	-	3	-	0	4-6	-	0	•
Upper Heyford	29.4	-2	ENE	4	b	67	65	55	8	-	-	-	0	0	-	0	•
Ross-on-Wye	28.2	-8	E	2	z$_0$	75	55	57	6	1	-	-	1	1	3500	0	•
Hartland Point	28.5	-8	NNE	3	b	66	75	57	7	-	-	-	0	0	-	0	1
Bristol	28.4	-10	E	2	b	75	55	60	8	4	-	1	1	1	4000	0	•
Portland Bill	29.5	-2	S	2	bc	60	85	56	8	5	-	-	4-6	4-6	4000	1	2
Plymouth	29.4	-2	SSW	3	b	63	85	57	8	-	-	-	0	0	-	0	0
The Lizard	28.3	-6	SE	2	b	66	75	57	7	-	-	-	0	0	-	0	2
Scilly (St. Mary's)	29.3	-6	NNE	3	b	65	75	56	7	-	-	-	0	0	-	0	2
Guernsey																	
Pembroke	29.0	-4	NNE	3	b	68	75	60	8	-	-	-	0	0	-	0	2
Holyhead (Valley)	30.9	-2	N'W	3	b	70	55	53	8	-	-	-	0	0	-	0	2
Chester (Sealand)	29.7	-6	NW'N	3	b	69	75	59	8	-	3	-	0	1	-	0	•
Manchester	29.6	+2	SE	2	z$_0$	69	65	57	5	4	-	-	Tr	Tr	3500	0	•
Spurn Head	31.9	0	N'E	5	bc	59	75	50	7	7	3	-	4-6	4-6	1500	0	3
Catterick (Sc)	32.0	+2	ENE	2	b-bc	63	65	51	7	1	3	-	Tr	2-3	4000	0	•
Tynemouth	33.0	-2	NE	3	b-bc	59	85	55	7	2	4	-	2-3	2-3	2000	0	2
St. Abbs Head	32.0	-6	NNE	1	b	58	85	53	7	1	-	-	Tr	Tr	4500	0	2
Leuchars	32.4	-8	E	2	b	63	65	49	8	-	-	-	0	0	-	0	•
Renfrew (Abbots I.)	30.6	-6	WNW	1	b	77	45	55	9	5	-	-	Tr	Tr	3500	0	•
Eskdalemuir	30.7	-4	NE'E	3	b	68	65	57	8	-	4	-	0	Tr	-	0	•
Point of Ayre	30.8	-6	NNW	2	b	66	75	57	8	-	-	-	0	0	-	0	1
Tiree	32.6	0	NNE	1	b	67	75	59	9	-	-	-	0	0	-	0	1
Stornoway	32.4	-2	-	0	b	61	75	54	9	-	-	-	0	0	-	0	1
Dalwhinnie		-2	N	1	b	74	35	44	8	-	-	-	0	0	-	0	•
Aberdeen	32.6	-6	ESE	2	b	59	65	48	9	-	-	1	0	Tr	-	0	1
Wick	32.6	-2	SE	1	b	59	75	50	9	-	4	-	0	Tr	-	0	•
Sumburgh	31.8	-2	WNW	3	c-bc	56	85	50	8	5	3	-	4-6	7-8	4000	0	2
Blacksod Point	32.5	+2	NW	2	b	67	55	50	8	-	-	-	0	0	-	0	2
Malin Head	31.5	0	ENE	1	b	64	65	52	8	-	-	-	0	0	-	0	1
Aldergrove	31.6	-2	NW	1	b-bc	73	65	58	8	4	-	-	2-3	2-3	3500	0	•
Birr Castle	29.9	-2	N	1	b	78	45	56	8	-	-	-	0	0	-	0	•
Valentia Obsy.	30.5	0	W	1	b	66	75	58	8	1	-	-	Tr	Tr	2500	0	1
Roches Point	30.5	-6	SSE	2	b	62	92	60	8	-	-	-	0	0	-	0	2

PAST 24 HOURS.

Stations	Weather 7h.–13h. 28th (39)	13h.–18h. 28th (40)	18h. 28th to 1h. 29th (41)	1h.–7h. 29th (42)
London (Kew)	cm$_0$bcb	bcy	bcyb	bbcc
Croydon	bcmzb	bybcy	bcbbc	c
S. Farnborough	bccm$_0$by	by	bycb,cbm$_0$	bm$_0$c
Boscombe Down	bbm$_0$zy	bz$_0$yby	bybccb	bm$_0$bc
Thorney Island	cbcz$_0$	bcz$_0$b	bbcbw	bwcc
Lympne	cbcy	bc	bcbcc	cid$_0$
Manston	c	cbc	oc	om$_0$id$_0$
Shoeburyness	cbc	bcc	id	cd$_0$
Felixstowe	bybcc	c	c	cid$_0$c
Gorleston	c	b,cpr$_0$	c	coid$_0$
Mildenhall	cbcc	c	c	c
Cranwell	cm$_0$c	cbc	bcb	bm$_0$bcb
Birmingham	bz	bbcz	bcz	bcbz
Upper Heyford	bbcm$_0$b	byb	bbcb	bbm$_0$cm$_0$
Ross-on-Wye	bz$_0$	by	bcbm$_0$	bw
Hartland Point	b	b	b	b
Bristol	bwm$_0$bz$_0$by	by	bybbcbm$_0$w	bm$_0$wtfgw
Portland Bill	bcbc	bcbc	c	c
Plymouth	bm$_0$bbc	b	bm$_0$	bm$_0$
The Lizard	bcbbc	bcb	bw	bbcw
Scilly (St. Mary's)	b	b	b	b
Guernsey				
Pembroke	bcm$_0$	b	bc	bc
Holyhead (Valley)	by	byv	b	bm$_0$w
Chester (Sealand)	bm$_0$z$_0$by	byb	b,bm$_0$	cm$_0$
Manchester	bFFwz$_0$	bcz$_0$	bbcbz$_0$m$_0$	bm$_0$mw
Spurn Head	oc	bc	c	bc
Catterick (Sc)	cz$_0$	bcz$_0$b	cz$_0$bm$_0$	bm$_0$bcb
Tynemouth	cbc	bc	bcb	bbcb
St. Abbs Head	cbcm$_0$bz$_0$	bcz$_0$	bcm$_0$by	b
Leuchars	cby	byb	b	b
Renfrew (Abbots I.)	bcm$_0$wby	by	bybbwbm$_0$w	bm$_0$om$_0$wg
Eskdalemuir	bwb	b	b	bw
Point of Ayre	b	bz$_0$b	bw	b
Tiree	b	b	b	b
Stornoway	cb	b	b	bbw
Dalwhinnie	by	by		b
Aberdeen	bbcb	b	bbw*	bw
Wick	bc	bcb	b	c
Sumburgh	c	c	cid$_0$m$_0$of	od$_0$d$_0$f
Blacksod Point	b	b	b	b
Malin Head	b	b	b	b
Aldergrove	b	byb	b	bw
Birr Castle	bc	b	•	b
Valentia Obsy.	b	b	b	b
Roches Point	b	b	b	b

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light to moderate north to northeast wind; fine during the afternoon and evening; cloudy in the forenoon; rather warm in afternoon, 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, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Light variable breezes; fine; warm to very warm.
16 Orkneys and Shetlands	Light to moderate north to northeast wind; dull with some drizzle at first becoming fair to fine; becoming rather warm.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	As 4-15.

GENERAL INFERENCE

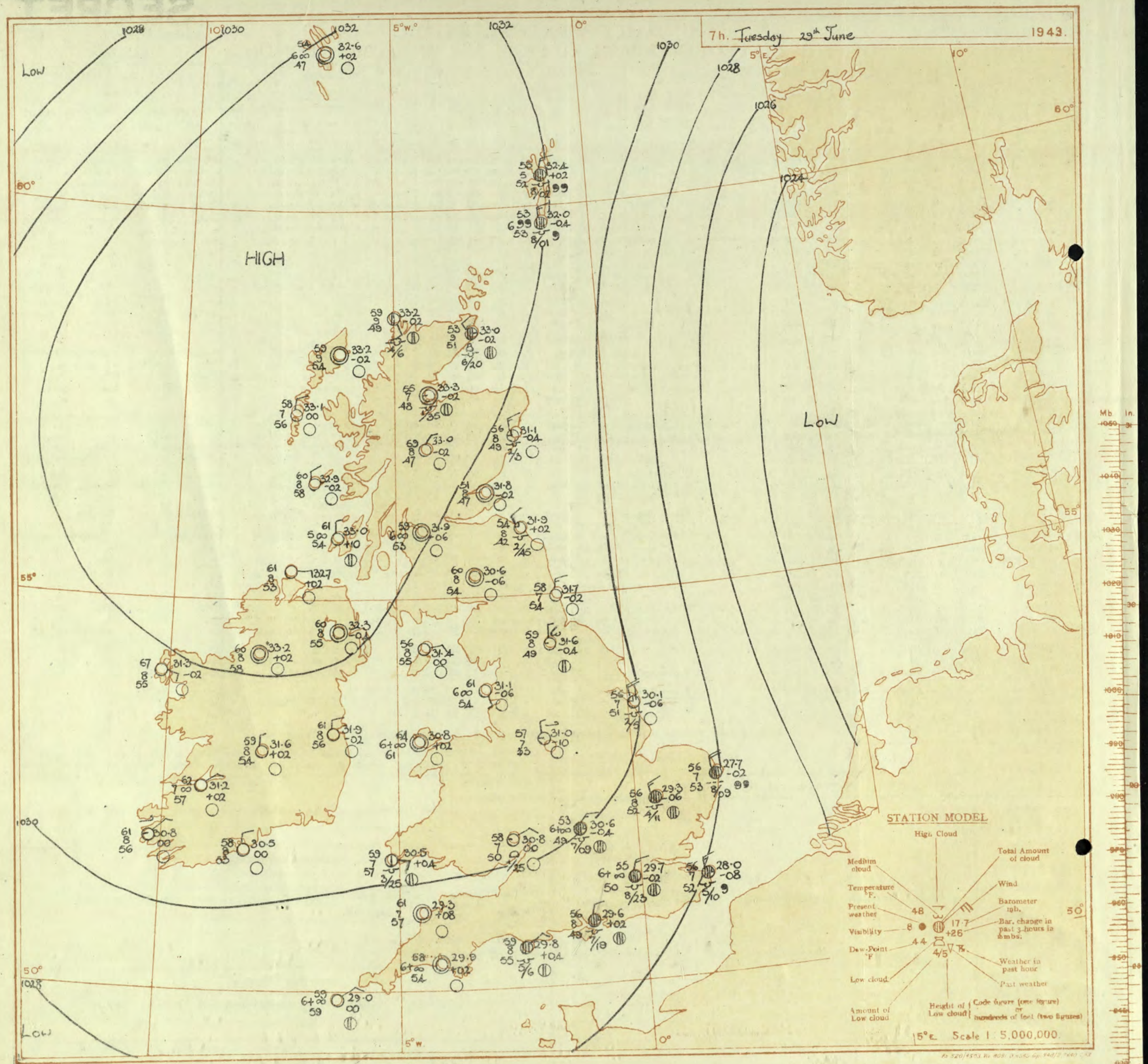
An anticyclone centred over Scotland will maintain fine warm weather in most districts.

FURTHER OUTLOOK

Similar conditions continuing.

Forecasts issued at 10.30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

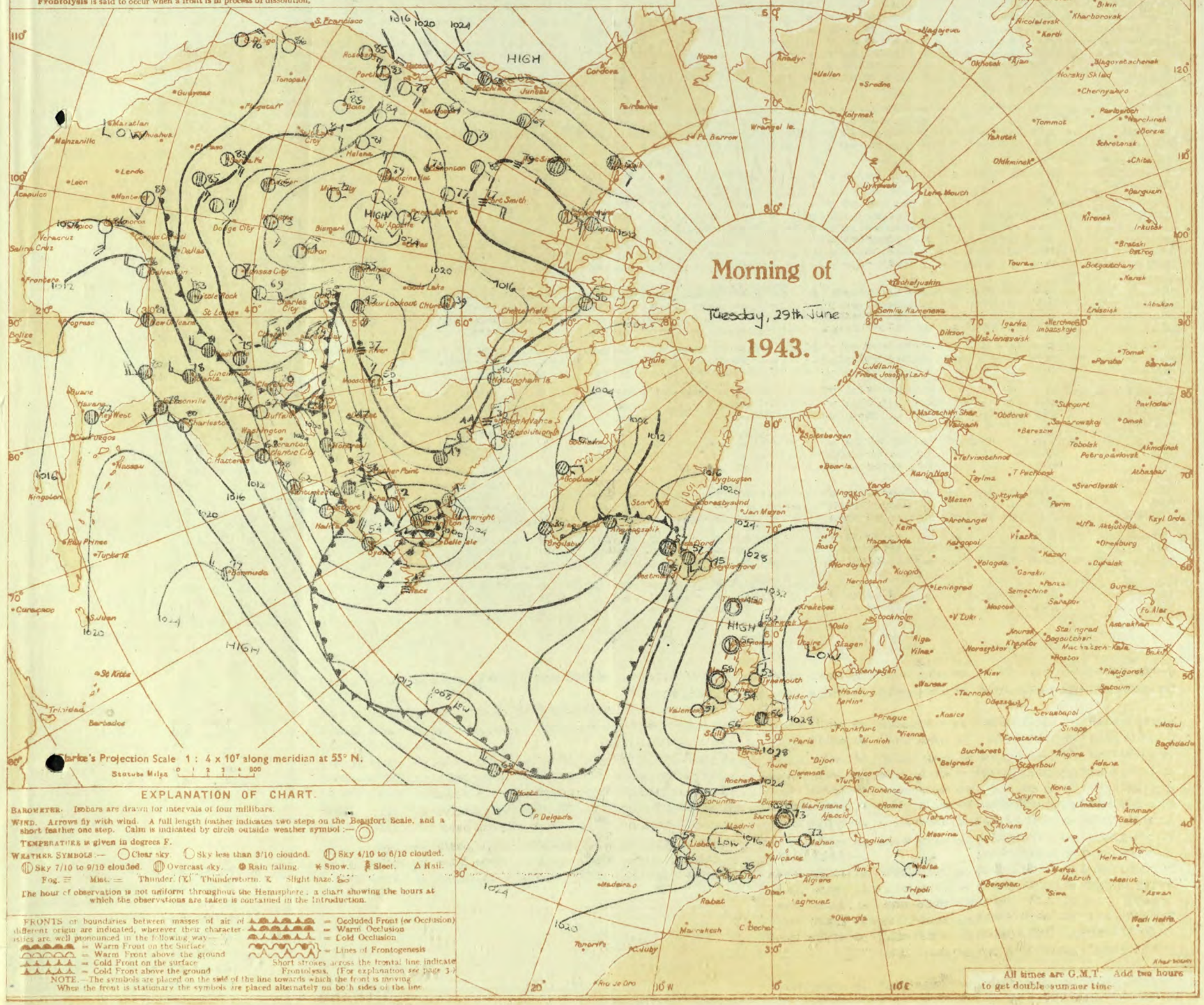
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Tuesday 29th June 1943

No. 29804

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

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	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon	290	30·2	-2	NNE	3	c	56	75	47	7	5	–	–	9	9	2000
	S. Farnborough	226	30·3	+2	NNE	2	z₀	55	85	49	6	5	4	–	1	2-3	2500
	Boscombe Down	417	30·1	+6	E'N	1	b	53	85	47	7	–	–	–	0	0	–
	Thorney Island	10	29·3	-2	N	2	b	51	92	50	7	–	–	–	0	0	–
	Lympne	283	29·7	-2	NNE	3	c	55	75	48	7	5	–	–	10	10	1500
	Manston	154	29·6	-6	N	3	o	56	75	47	7	5	–	–	10	10	2300
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	29·8	-6	NNW	1	c	55	75	47	8	5	–	–	10	10	2500
	Gorleston	5	29·9	-6	N	4	c	57	75	50	7	5	–	–	10	10	1500
	Mildenhall	15	30·3	-4	N'E	2	c	55	75	48	8	5	–	–	10	10	1900
	Cranwell	203	31·1	-2	NE	3	b	50	92	48	7	–	4	–	0	Tr	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	31·0	+4	E'N	2	b-bc	51	92	49	6	5	–	–	2-3	2-3	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·8	0	NE	2	b	62	89	59	7	–	–	–	0	0	–
	Bristol	209	30·7	+10	–	0	z₀	56	92	54	6	5	–	–	Tr	Tr	4000
	Portland Bill	32	30·1	+4	N	1	c-bc	56	85	52	8	5	–	–	7-8	7-8	4000
	Plymouth	86	29·7	0	–	0	z₀	54	97	53	6	–	–	–	0	0	–
	The Lizard	240	29·4	+6	E	2	b	57	75	47	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	29·3	-2	E'N	2	b	56	97	55	7	–	–	–	0	0	–
	Guernsey	175															
6	Pembroke	142	29·5	+2	NE'E	3	b-bc	61	85	55	8	5	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	30·8	-2	–	0	b	54	92	51	8	–	–	–	0	0	–
	Chester (Sealand)	16	30·1	-4	–	0	b	55	92	54	5	–	–	–	0	0	–
8	Manchester	230	31·6	+2	NE'E	2	z₀	53	92	50	6	–	–	–	0	0	–
10	Spurn Head	29	31·5	+4	N	3	c	55	85	51	7	5	3	–	7-8	10	1500
	Catterick (Sc)	192	32·3	-6	–	0	z₀	47	97	47	6	–	–	–	0	0	–
	Tynemouth	108	32·3	-4	N	3	b	53	92	50	7	–	–	–	0	0	–
11	St. Abbs Head	280	32·3	0	–	0	b	53	92	50	7	4	–	–	1	1	4000
	Leuchars	36	22·8	+2	–	0	b-bc	49	92	47	7	–	1	–	0	2-3	–
12	Renfrew (Abbots I.)	19	32·1	+4	E	2	z₀	56	85	51	6	–	–	–	0	0	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	31·4	0	ENE	2	b	57	97	56	8	–	–	–	0	0	–
13A	Tiree	44	32·0	0	–	0	b	55	92	53	8	–	–	–	0	0	–
13B	Stornoway	12	33·5	-4	–	0	b	50	92	50	9	5	–	–	Tr	Tr	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	32·7	-6	WNW	1	b	49	92	47	9	–	–	5	0	Tr	–
	Wick	114	33·1	-2	WNW	1	b	46	92	44	9	–	4	–	0	Tr	–
16	Sumburgh	19	32·0	+2	N'W	2	f+	52	97	52	3	–	–	–	10	10	<150
17	Blacksod Point	18	31·8	0	–	0	b	60	85	56	8	–	–	–	0	0	–
18	Malin Head	84	32·6	+2	–	0	b	58	85	54	8	–	–	–	0	0	–
	Aldergrove	268	32·8	+2	–	0	b	53	92	51	8	–	–	–	0	0	–
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·3	+2	NE'N	2	b	54	92	52	7	–	–	–	0	0	–
	Roches Point	22	31·2	+2	N	1	b	59	75	47	8	–	–	–	0	0	–

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	29·9	-2	NNE	2	c	55	85	49	7	5	–	–	10	10	1500	0	*
Croydon	29·7	-2	NNE	3	z₀	55	85	50	6	5	–	–	10	10	2300	0	*
S. Farnborough	30·0	0	NE'N	2	c	55	85	50	7	5	–	–	10	10	1400	0	*
Boscombe Down	30·0	-2	NE'N	2	c-bc	53	85	48	7	5	–	–	7-8	7-8	1000	0	*
Thorney Island	29·6	+2	NNE	2	c	56	75	49	8	5	–	–	9+	9+	1900	0	*
Lympne	28·6	-2	N'E	3	id₀	56	85	52	7	5	–	–	10	10	1500	0	§ 3
Manston	28·0	-8	NNW	3	c/d	56	85	52	7	5	–	–	7-8	9+	1000	0	*
Shoeburyness	28·9	-4	N'W	3	o/d	57	85	52	8	5	–	–	10	10	2500	0	*
Felixstowe	28·5	-6	NW'W	3	c	57	92	54	8	5	–	–	10	10	2500	0	2
Gorleston	27·7	-2	NNW	4	o/d	56	92	53	7	6	–	–	10	10	900	1	3
Mildenhall	29·3	-6	NW'N	3	c	56	85	52	8	5	–	–	4-6	10	1100	0	*
Cranwell	30·4	-2	NNW	2	b	55	85	51	7	–	–	–	0	0	–	0	*
Birmingham	30·3	-4	NNE	2	z₀	57	75	50	5	–	–	–	0	0	–	0	*
Upper Heyford	30·6	-4	NE'N	3	z•	53	85	49	6	5	–	–	9+	9+	900	0	*
Ross-on-Wye	30·8	0	NE	2	b	58	75	50	7	1	–	–	Tr	Tr	2500	0	*
Hartland Point	29·3	+8	–	0	b	61	85	57	7	–	–	–	0	0	–	0	1
Bristol	30·7	-4	ENE	2	b	58	85	52	8	1	–	–	Tr	Tr	4000	0	*
Portland Bill	29·8	+4	NE	2	c-bc	59	85	55	8	5	–	–	7-8	7-8	4000	0	2
Plymouth	29·9	+2	–	0	z₀	58	85	54	6	–	–	–	0	0	–	0	1
The Lizard	28·3	0	E	3	bc	57	92	55	7	7	–	–	4-6	4-6	3000	1	3
Scilly (St. Mary's)	29·0	0	NE	2	z₀	59	97	59	6	–	–	–	0	0	–	0	2
Guernsey																	
Pembroke	30·5	+4	E'S	2	b-bc	59	92	57	7	5	–	–	2-3	2-3	2500	0	2
Holyhead (Valley)	30·8	+2	–	0	z₀	64	85	61	6	–	–	–	0	0	–	0	0
Chester (Sealand)	30·6	+10	–	0	z₀	59	85	54	5	–	–	–	0	0	–	0	*
Manchester	30·9	-6	–	0	z₀	57	85	53	5	–	–	–	0	0	–	0	*
Spurn Head	30·1	-6	NNW	4	b	56	85	51	7	5	–	–	1	1	2500	0	2
Catterick (Sc)	31·6	-4	N	1	b	59	75	49	8	–	5	–	0	Tr	–	0	*
Tynemouth	31·7	-2	N	3	b	58	85	54	7	–	–	–	0	0	–	0	2
St. Abbs Head	31·9	+2	NW	2	b	54	55	42	8	5	–	–	1	1	4500	0	2
Leuchars	31·8	-2	–	0	b	51	85	47	8	–	–	–	0	0	–	0	*
Renfrew (Abbots I.)	31·9	-6	–	0	z₀	59	85	53	6	–	–	–	0	0	–	0	*
Eskdalemuir	30·6	-6	–	0	b	60	85	54	8	–	–	–	0	0	–	1	*
Point of Ayre	31·4	0	E'N	2	b	56	97	55	8	–	–	–	0	0	–	0	1
Tiree	32·9	-2	NNW	2	b	60	92	58	8	–	–	–	0	0	–	1	1
Stornoway	33·2	-2	–	0	b	59	85	54	9	–	–	–	0	0	–	0	0
Dalwhinnie	33·0	-2	NNE	1	b	59	65	47	8	–	–	–	0	0	–	0	*
Aberdeen †	31·1	-4	NNW	3	b	56	75	49	8	5	–	–	1	1	800	0	1
Wick	33·0	-2	NW	2	c	53	92	51	9	8	–	–	9	9	2000	0	*
Sumburgh	32·0	-4	NNW	3	d₀d₀	53	97	53	6	5	–	–	10	10	100	1	2
Blacksod Point	31·3	-2	ESE	1	b	67	65	55	8	–	–	–	0	0	–	0	2
Malin Head	32·7	+2	E	1	b	61	75	53	8	–	–	–	0	0	–	0	0
Aldergrove	32·3	-4	–	0	b	60	85	55	8	–	–	–	0	0	–	0	*
Birr Castle	31·6	+2	N	1	b	59	85	54	8	–	–	–	0	0	–	0	*
Valentia Obsy.	30·8	0	NE	1	b	61	85	56	8	–	–	1	0	Tr	–	0	1
Roches Point	30·5	0	N	2	b	58	85	53	8	–	–	–	0	0	–	0	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 28th Hrs. (38)
London (Kew)	72	54	51	–	–	9·6
Croydon	74	54	53	–	–	9·3
S. Farnborough	76	52	44	–	–	11·0
Boscombe Down	76	49	47	–	–	13·9
Thorney Island	69	49	45	–	–	*
Lympne	67	54	51	–	Tr	5·4
Manston	65	55	54	–	Tr	2·3
Shoeburyness	64	54	52	–	–	6·8
Felixstowe	66	54	54	–	Tr	[illegible]3
Gorleston	61	55	54	Tr	Tr	[illegible]8
Mildenhall	65	52	52	–	Tr	7·7
Cranwell	65	48	45	–	–	6·1
Birmingham	74	52	41	–	–	9·0
Upper Heyford	73	48	41	–	–	*
Ross-on-Wye	76	53	48	–	–	12·9
Hartland Point	66	59	56	–	–	13·8
Bristol	77	49	39	–	Tr	13·0
Portland Bill	63	54	*	–	–	*
Plymouth	69	52	42	–	–	13·7
The Lizard	70	56	*	–	–	13·0
Scilly (St. Mary's)	68	55	*	–	1	13·9
Guernsey						
Pembroke	73	56	*	–	–	13·8
Holyhead (Valley)	73	51	45	–	–	*
Chester (Sealand)	74	53	44	–	–	13·1
Manchester	77	48	42	–	–	*
Spurn Head	61	52	*	–	–	7·6
Catterick (Sc)	67	45	40	–	–	7·1
Tynemouth	62	50	49	–	–	*
St. Abbs Head	61	52	*	–	–	*
Leuchars	66	47	41	–	–	11·9
Renfrew (Abbots I.)	78	49	44	–	–	12·0
Eskdalemuir	72	45	38	–	–	15·1
Point of Ayre	72	53	*	–	–	14·7
Tiree	69	54	44	–	–	15·9
Stornoway	63	48	39	–	–	14·3
Dalwhinnie	75	38	26	–	–	14·5
Aberdeen †	63	47	43	–	–	14·3
Wick	62	45	41	–	–	*
Sumburgh	60	52	50	–	Tr	4·8
Blacksod Point	70	55	*	–	–	*
Malin Head	69	53		–	–	15·8
Aldergrove	77	47	41	–	–	15·1
Birr Castle	79	48	45	–	–	14·9
Valentia Obsy.	71	51	45	–	Tr	14·6
Roches Point	64	55		Tr	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 28th June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 29th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	5-	01863	27314	1-	01961	26301	52	02645	31328	57	01842	28324
115	54	01954	24124	54	01954	08124	54	01954	10124	54	01964	12114
203												
206	10	01961	10211	10	01961	08301	00	00990	04100	50	01761	00011
210	10	01961	32111	10	01961	07311	50	01961	20101	5-	02945	20125
219	00	00990	17201	00	00990	20100	50	01861	00001	00	00790	32200
230	10	01961	00001	00	00990	20200	00	00990	20100	00	00990	00000
245	10	01961	11211	14	01861	11101	50	01861	23101	00	00990	00000
260	00	04890	20200	00	05690	06300	00	05690	06100	00	05690	00000
278	10	01861	29301	00	00890	31300	00	00990	00000	00	00890	32100
279	16	05662	08112	00	00890	08310	00	00790	06300	00	00890	04100
285	10	01863	18313	10	00762	04302				10	00861	24301
288	51	05655	04346	50	01752	04312	50	17551	24111	00	45390	00040
575	00	00890	14100	10	01861	00011	00	00790	00000	00	00890	00000
301	10	01761	24301	26	01761	29202	00	08490	10100	00	05690	12100
321	5-	05657	12127	10	01752	04213	40	05661	30111	00	05690	32211
299	7-	02756	30226	54	01753	02414	40	01752	02312	04	05690	28401
292	5-	05657	08127	00	01790	32213	50	05651	28201			
310												
614	50	05663	06213	50	05661	08121	04	05590	00001	00	05590	02201
388	10	01861	30201	00	00890	32200	00	00890	28200	00	05690	00000
334	--	05652	28103							--	05571	02103
340	10	01761	28101	40	01562	08212	00	08490	16200	00	05690	28100
136	5-	02848	04328	7-	02848	02328	5-	02845	02328	53	02835	30426
336	10	01764	04314							50	05543	32313
350	10	01854	05314	10	01762	03312	50	01753	32103	5-	05648	30228
368	50	01551	20201	00	05590	00010	00	05690	32310	00	05690	04200
379	00	05690	02200	07	05690	04205	50	02745	32205	50	05633	31313
390	10	01864	06214	10	01763	02313	5-	02658	32228	5-	05668	30328
382	00	00790	03200	00	01890	04200	50	01752	04112	5-	02736	04126
438	20	01763	06313	20	01763	06313	5-	02756	02316	5-	03745	02328
430	5-	05641	04211	40	01863	14203	00	00790	30200	5-	02756	03226
409	20	01861	02301	00	05790	32300	00	00690	18100	00	00790	12210

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 29th June
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	cm₀bcb	bcy	bcybcc
Croydon	bcmzb	bybcy	bcbbcc
Greenwich	by	bbcy	bccm₀
Camden Square	c	b	*
Kensington	bc	bc	*
Hampstead	bc	bc	0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended [illegible] Max. <0·1 [illegible] Min. Time 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	72	54	51	–	–	9·6	*	*
Croydon	74	54	53	–	–	9·3	*	*
Greenwich	75	54	48	–	–	10·3	48	82
Westminster	75	55	53	–			53	82
Regents Park	76	54	53	–	–		49	77
Camden Square	76	54	50	–	–	*	*	79
Kensington	76	54	52	–	–		55	79
Hampstead	71	51	49	–	–		*	85

BRITISH SECTION

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

SECRET

Wednesday 30th June 1943

No. 29805

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	27·0	−18	NNE	3	c-bc	70	55	52	7	7	–	–	7-8	7-8	2500
	Croydon ...	27·3	−22	N	2	c	68	65	54	8	5	–	–	7-8	9+	3000
	S. Farnborough	27·6	−10	N'W	2	c	66	65	54	8	7	6	–	7-8	9	3000
	Boscombe Down	27·7	−14	NE'N	3	bc	74	55	55	8	1	–	–	4-6	4-6	3000
	Thorney Island	27·4	−10	NE'E	2	c	70	65	56	8	5	–	–	9	9	2500
	Lympne ...	27·1	−6	NNE	3	c	61	75	54	7	5	2	–	9+	10	2000
	Manston ...	26·9	−6	N'E	3	c	61	85	55	7	5	–	–	9+	9+	2600
2	Shoeburyness ...	27·3	−10	NNW	3	c	65	65	54	8	5	–	5	10	10	1500
	Felixstowe ...	27·2	+2	N'W	4	c	61	85	54	8	5	–	–	10	10	2000
	Gorleston ...	26·6	−4	N'W	4	c	58	75	51	7	6	–	–	10	10	700
	Mildenhall ...	27·9	−6	N'E	5	c	66	65	51	8	5	–	–	2-3	9	2500
	Cranwell ...	27·9	−12	NE	3	bc	72	55	53	7	7	–	–	4-6	4-6	3000
3	Birmingham ...	28·2	−10	N	4	b	73	45	51	7	1	–	–	1	1	4000
	Upper Heyford	27·7	−14	NNE	3	2o	72	55	53	6	5	–	–	2-3	2-3	3000
4	Ross-on-Wye	27·7	−14	NE'N	3	b	75	45	54	8	1	–	–	1	1	4000
5	Hartland Point	28·8	−6	NNE	3	b	66	65	55	7	1	–	–	Tr	Tr	3000
	Bristol ...	28·2	−14	NNE	3	b	73	55	56	7	1	–	–	Tr	Tr	4000
	Portland Bill ...	28·2	−6	S	2	c	63	85	58	8	2	4	–	4-6	9	4000
	Plymouth ...	29·4	−2	SSW	3	b	65	75	57	7	1	–	–	Tr	Tr	3000
	The Lizard ...	28·9	−4	E	3	b-bc	67	75	59	8	7	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	29·5	+2	SE'E	2	b	68	75	58	7	–	–	–	0	0	–
	Guernsey ...															
6	Pembroke ...	29·7	−4	NW	2	b	64	85	59	7	–	1	–	0	1	–
7	Holyhead (Valley)	30·1	−6	N'W	3	2o	74	55	56	6	–	–	–	0	0	–
	Chester (Sealand)	29·1	−10	NNW	3	2o	72	55	56	6	–	–	–	0	0	–
8	Manchester ...	28·2	−14	NNW	3	b-bc	76	45	53	8	1	–	–	2-3	2-3	4000
10	Spurn Head ...	29·4	0	N'W	6	c	58	85	53	7	5	2	–	4-6	10	1500
	Catterick (Sc) ...	29·9	−8	NNE	4	2o	69	55	53	6	1	3	–	Tr	2-3	4000
	Tynemouth ...	30·6	+8	NNE	4	c	57	85	53	7	5	–	–	9	9	1900
11	St. Abbs Head	31·2	0	WNW	2	b-bc	58	85	54	8	1	4	–	2-3	2-3	4500
	Leuchars ...	31·3	−2	ESE	3	b	65	65	54	8	1	–	9	Tr	1	3500
12	Renfrew (Abbots I.)	29·4	−18	E'N	1	b	78	45	53	8	–	–	–	0	0	–
	Eskdalemuir ...	29·3	−6	NNE	2	b	72	45	50	8	–	–	–	0	0	–
	Point of Ayre ...	31·1	−2	NW'N	3	b	67	75	58	8	–	–	–	0	0	–
13A	Tiree	32·8	−6	N	2	b	66	75	58	9	–	–	–	0	0	–
13B	Stornoway ...	33·2	+2	ENE	2	bjf	61	85	58	8	5	–	–	Tr	Tr	2500
15	Dalwhinnie ...	32·0	+2	NE	1	b	71	45	46	8	–	–	9	0	1	–
	Aberdeen ...	31·7	−6	N'W	4	c	65	75	55	8	5	–	–	9+	9+	2000
	Wick ...	32·8	0	N	2	bc	64	75	55	9	2	4	–	2-3	4-6	3000
16	Sumburgh ...	31·6	−6	NNW	4	bc	59	85	54	8	5	–	–	4-6	4-6	2000
17	Blacksod Point	31·3	−6	–	0	b	77	55	59	8	1	–	–	Tr	Tr	4000
18	Malin Head ...	32·3	0	N'E	1	b	62	75	54	8	–	–	–	0	0	–
	Aldergrove ...	31·1	−6	WNW	1	b	75	55	58	8	–	–	–	0	0	–
19	Birr Castle ...	30·4	−6	N	1	b-bc	79	55	61	8	1	–	–	2-3	2-3	2500
20	Valentia Obsy.	29·5	−10	W'N	3	b	75	65	63	9	1	–	–	Tr	Tr	4000
	Roches Point	30·3	−2	E	3	b	66	75	58	8	–	–	–	0	0	–

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	25·7	−8	NNE	3	b-bc	70	55	55	7	1	5	–	1	2-3	4000	0	*
	Croydon ...	26·0	−2	N	2	b	69	55	53	8	4	–	–	Tr	Tr	3000	0	*
	S. Farnborough	25·7	−6	NNE	3	bc	73	45	53	7	1	–	–	4-6	4-6	3000	0	*
	Boscombe Down	25·4	−6	NNE	2	b-bc	74	45	51	7	5	–	–	2-3	2-3	5000	0	*
	Thorney Island	25·4	−12	N	3	b-bc	69	75	61	8	5	–	–	2-3	2-3	2500	0	*
	Lympne ...	26·1	−2	NNE	4	bc	63	75	53	8	5	–	–	4-6	4-6	2500	0	3
	Manston ...	26·0	−6	N	3	c	61	75	52	8	5	–	–	9	9+	2500	0	*
2	Shoeburyness ...	26·4	−4	N'E	3	bc	63	65	51	8	5	–	–	4-6	4-6	2500	0	*
	Felixstowe ...	26·1	−4	N	4	c	60	75	52	8	5	–	–	9+	9+	2500	0	3
	Gorleston ...	26·0	−2	N	4	ido	58	92	55	7	6	–	–	10	10	800	0	3
	Mildenhall ...	27·3	−6	NNE	4	ido	59	75	51	8	5	–	–	10	10	1500	0	*
	Cranwell ...	27·4	−4	NE	4	bbc	64	75	54	8	4	–	1	2-3	2-3	4000	0	*
3	Birmingham ...	27·2	−2	NE	4	bc	72	45	50	7	–	5	–	0	4-6	–	0	*
	Upper Heyford	26·3	−2	NE'E	3	c-bc	71	55	55	7	5	4	1	4-6	7-8	3000	0	*
4	Ross-on-Wye	26·0	−12	N	3	2o	75	55	57	6	5	–	–	7-8	7-8	4000	0	*
5	Hartland Point	27·4	−6	W	2	2o	64	85	59	6	–	–	–	0	0	–	0	1
	Bristol ...	26·2	−10	N'W	2	2o	73	65	62	6	5	–	–	9	9	4000	0	*
	Portland Bill ...	26·0	−12	W	2	c-bc	60	85	56	8	5	–	–	7-8	7-8	4000	1	2
	Plymouth ...	27·4	−16	SSW	3	b	63	75	56	7	1	–	–	Tr	Tr	3000	0	1
	The Lizard ...	27·4	−8	E	2	b	63	75	57	8	–	–	–	0	0	–	0	2
	Scilly (St. Mary's)	28·2	−10	N	2	b	65	75	58	7	–	–	–	0	0	–	0	1
	Guernsey ...																	
6	Pembroke ...	28·0	−4	N'E	3	b	69	75	61	7	–	1	–	0	1	–	0	2
7	Holyhead (Valley)	29·2	−10	NNW	3	b	68	65	58	7	–	–	–	0	0	–	0	2
	Chester (Sealand)	28·0	−10	NNW	4	2o	68	65	58	6	1	–	–	Tr	Tr	3000	0	*
8	Manchester ...	27·6	+2	NW	3	b	73	55	54	7	1	–	1	Tr	1	4000	0	*
10	Spurn Head ...	28·6	0	N'E	5	c	57	85	51	7	7	7	–	4-6	9+	1500	0	4
	Catterick (Sc) ...	30·1	0	N	4	bc	62	75	53	7	5	4	–	4-6	4-6	2500	0	*
	Tynemouth ...	30·5	−4	N	4	c	55	97	54	7	5	–	–	9+	9+	1500	0	3
11	St. Abbs Head	30·5	−2	NNE	1	c-bc	58	92	56	7	5	4	–	4-6	7-8	2500	0	3
	Leuchars ...	31·4	−2	ESE	1	b	62	75	54	9	1	–	–	Tr	Tr	4000	0	*
12	Renfrew (Abbots I.)	29·2	+4	ENE	3	b-bc	72	65	63	8	1	3	8	Tr	2-3	3000	0	*
	Eskdalemuir ...	29·4	0	ENE	3	b	68	75	58	8	1	4	–	Tr	Tr	3800	0	*
	Point of Ayre ...	29·6	−4	SW	3	b	69	55	56	8	–	–	–	0	0	–	0	0
13A	Tiree	31·3	−10	NNW	3	b	64	85	59	8	–	–	–	0	0	–	0	2
13B	Stornoway ...	32·9	0	NNE	3	b	57	92	55	6	–	–	–	0	0	–	0	1
15	Dalwhinnie ...	31·0	−2	NE	3	b	70	45	46	8	1	–	–	Tr	Tr	4000	0	*
	Aberdeen ...	31·2	−2	N'W	3	b	63	75	54	8	5	–	–	Tr	Tr	2000	0	2
	Wick ...	32·6	+2	NNE	2	c-bc	60	85	55	9	2	3	–	4-6	7-8	4000	0	*
16	Sumburgh ...	32·0	+2	NE	2	b-bc	57	85	53	8	5	–	–	2-3	2-3	2000	0	2
17	Blacksod Point	30·3	−8	NE	3	b	70	75	62	8	1	–	–	Tr	Tr	4000	0	3
18	Malin Head ...	31·5	−6	N	1	b	61	85	56	8	–	–	–	0	0	–	0	1
	Aldergrove ...	30·2	−2	NW'N	3	b	74	65	60	8	–	–	–	0	0	–	0	*
19	Birr Castle ...	29·0	−8	NNE	1	b	79	45	56	8	–	–	–	0	0	–	0	*
20	Valentia Obsy.	29·1	−2	W	2	b	69	75	61	8	–	–	–	0	0	–	0	1
	Roches Point	29·0	−10	SE	2	b	66	85	61	7	–	–	–	0	0	–	0	2

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 29th (39)	13h.–18h. 29th (40)	18h. 29th to 1h. 30th (41)	1h.–7h. 30th (42)
1	London (Kew)	2obccy	cbcby	bybcc	c
	Croydon ...	c	cbcy	bcyc	cdjcm
	S. Farnborough	c	cbcy	bcbybcc	cidmd
	Boscombe Down	cbcbcy	bcycy	bybbcc	cidc
	Thorney Island	c	c	bcc	c
	Lympne ...	cidocmbc	cbc	bcc	cddm
	Manston ...	cidoc	c	cdodo	cddm
2	Shoeburyness ...	c	cbc	bcc	c
	Felixstowe ...	c	c	cdododcdm	cddmc
	Gorleston ...	oido	cido	cidoc	c
	Mildenhall ...	cbccy	cycido	cdodo	eddmc
	Cranwell ...	bbcy	bc	ccido	cddm
3	Birmingham ...	b	bbc	bc	cz
	Upper Heyford	bzoybcy	bczocybcy	bcybcmo	czcid
4	Ross-on-Wye	b	bccy	czbz	bwcoc
5	Hartland Point	b	bmo	b	b
	Bristol ...	b	bybczoy	czobczobmobmbcmc	
	Portland Bill ...	c	cbc	co	
	Plymouth ...	b	b	bcb	bcmbc
	The Lizard ...	bcbbc	bcb	bbmo	bbc
	Scilly (St. Mary's)	b	b	b	b
	Guernsey ...				
6	Pembroke ...	bob	b	bc	bc
7	Holyhead (Valley)	bzoy	bzot	bmo	bfgb
	Chester (Sealand)	bmozoy	bzo	bzomo	bmzcm
8	Manchester ...	bbczoy	bcyby	bzomo	bccm
10	Spurn Head ...	c	c	c	prc
	Catterick (Sc) ...	bczoy	bczoyc	bccmo	cmid
	Tynemouth ...	cbc	c	e	oc
11	St. Abbs Head	bbczo	bccm,bc	bccmo	cmc
	Leuchars ...	b	bcbcc	ofucm	
12	Renfrew (Abbots I.)	bmowbmob	by	bybbwmowbmomb	
	Eskdalemuir ...	b	byb	b	bbc
	Point of Ayre ...	b	b	b	b
13A	Tiree	b	b	bbw	bwb
13B	Stornoway ...	b	bifb	bmobjfb	bbjfwbc
15	Dalwhinnie ...	by	bc	*	b,f
	Aberdeen ...	bbcc	cbcb	bbcc	c,bcc
	Wick ...	bc	bcc	bcoff	ofdd
16	Sumburgh ...	cdododcbc	bc	bc	bcoc
17	Blacksod Point	b	b	b	b
18	Malin Head ...	b	b	b	f
	Aldergrove ...	bwbbb	byb	b	bw
19	Birr Castle ...	bc	b	*	n
20	Valentia Obsy.	b	b	b	b
	Roches Point	b	b	b	o

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 30th June

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Light or moderate northeast wind; mainly cloudy; bright intervals locally; local drizzle night and morning, local coast fog; cool.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate northeast to east wind; fair; rather warm or warm
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	As 5-8
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

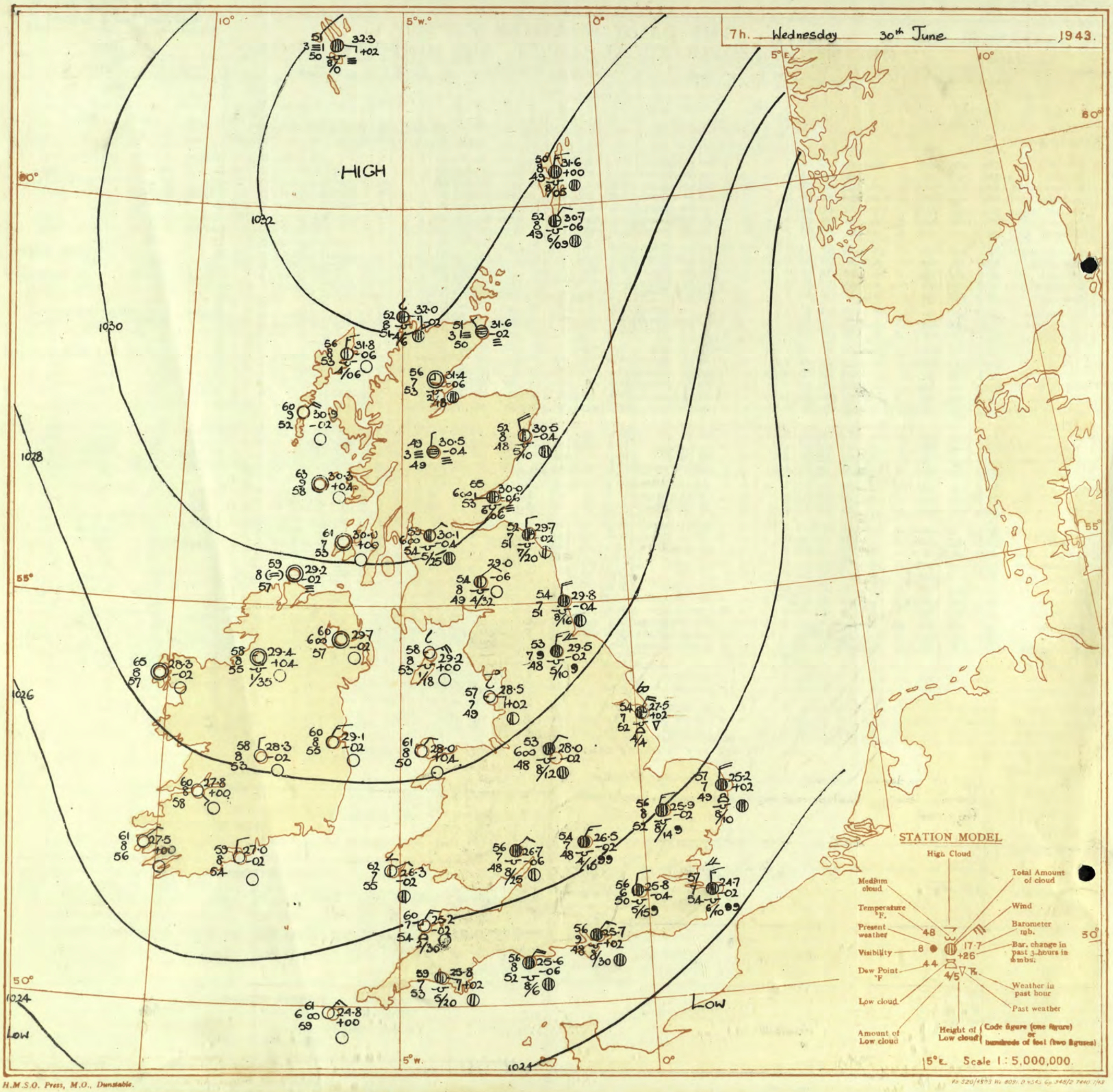
An anticyclone centred near Shetland is moving slowly northeast. Weather will be fair or fine in all western districts. In the west mainly cloudy conditions are likely although there will be bright intervals late today inland.

FURTHER OUTLOOK

Little change.

Forecasts issued at 1000

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

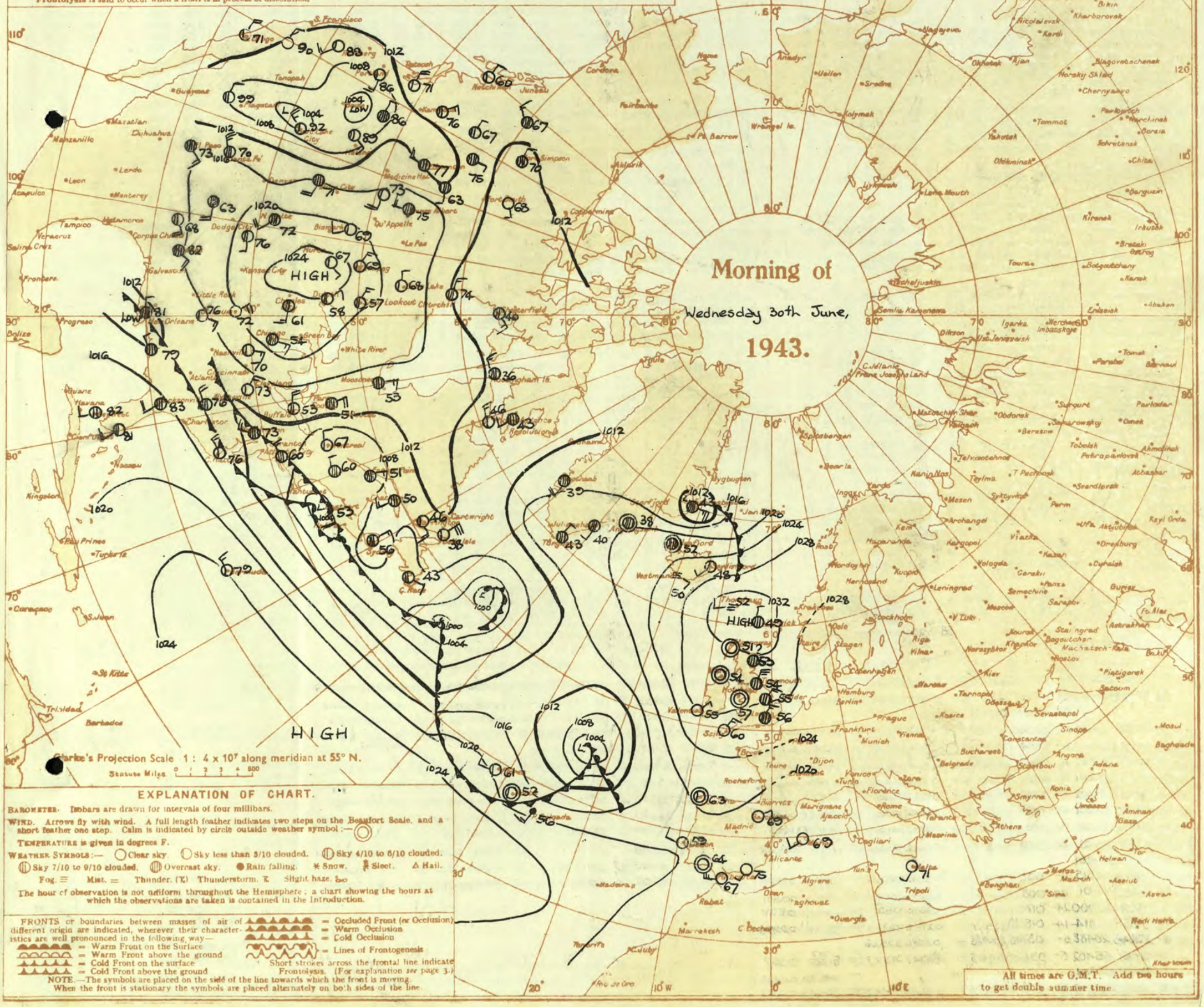
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Wednesday 30th June 1943

No 29805

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	26·8	-4	N	3	c	56	75	48	7	5	-	-	10	10	1800
	S. Farnborough	226	26·5	-6	NE'N	2	c	56	75	48	8	5	-	-	10	10	2300
	Boscombe Down	417	26·6	+4	N'E	2	c	55	85	50	7	5	-	-	10	10	2000
	Thorney Island	10	25·9	-2	NE'N	3	c	56	75	50	7	5	-	-	9	9	2200
	Lympne	283	25·6	-6	NNE	4	c	55	85	50	7	5	-	-	10	10	1800
	Manston	154	25·3	-10	N	3	d°d	54	97	53	6	5	-	-	9+	9+	1000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	26·1	-4	N'W	2	dd	54	97	53	6	5	-	-	10	10	1900
	Gorleston	5	25·3	-6	N'E	6	c	56	85	52	7	5	-	-	10	10	1500
	Mildenhall	15	26·5	-6	N'E	3	dd	54	85	50	8	5	-	-	10	10	1500
	Cranwell	203	28·0	-4	NE	3	d°d	54	92	52	6	5	-	-	10	10	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27·1	-2	NE'N	3	z°	55	75	48	6	5	-	-	10	10	2000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·2	0	NE	2	b	63	85	58	7	-	-	-	0	0	-
	Bristol	209	27·3	-2	NE	3	z°	57	92	55	6	5	-	1	1	1	4000
	Portland Bill	32	25·5	-4	NE	3	bc	58	85	54	8	5	-	-	4-6	4-6	4000
	Plymouth	86	25·9	-4	ENE	2	z°	60	85	57	6	-	-	-	0	0	-
	The Lizard	240	25·5	-6	N	3	b°	63	75	57	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	26·2	-12	N'E	3	z°	60	85	56	6	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	27·0	-2	ENE	2	b-bc	61	85	57	7	5	4	-	2-3	2-3	4000
7	Holyhead (Valley)	32	28·5	-4	-	0	b	57	92	55	7	-	-	-	0	0	-
	Chester (Sealand)	16	28·7	+2	E	1	b	57	85	53	6	-	-	1	0	Tr	-
8	Manchester	230	28·8	+2	NNE	3	z°	53	85	49	6	5	-	-	2-3	2-3	2000
10	Spurn Head	29	28·4	0	N'E	4	c	55	85	51	7	5	-	-	4-6	10	1500
	Catterick (Sc)	192	30·3	0	N	3	z°	53	85	49	6	5	-	-	4-6	10	1200
	Tynemouth	108	30·4	-4	N	5	c°	54	97	53	7	2	-	-	9	9	1500
11	St. Abbs Head	280	30·7	+4	N	4	c	53	92	51	7	5	-	-	9+	9+	1500
	Leuchars	36	31·3	0	-	0	c-bc	51	97	51	6	5	-	-	7-8	7-8	800
12	Renfrew (Abbots I.)	19	30·8	+2	NE'E	2	z°	56	92	53	6	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	35·6	+8	E	4	b	59	85	54	8	-	-	8	0	Tr	-
13A	Tiree	44	30·5	-8	NNE	2	b	57	97	56	7	-	-	-	0	0	-
13B	Stornoway	12	33·0	-2	-	0	b	51	97	51	9	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	31·8	-4	NNW	4	z°	53	92	51	6	5	-	-	9	9	800
	Wick	114	32·6	-4	-	0	ft	51	97	49	2	5	-	-	10	10	100
16	Sumburgh	19	32·2	0	NE'E	1	b-bc	46	97	46	8	5	-	-	2-3	2-3	300
17	Blacksod Point	18	30·0	-2	-	0	b	61	85	56	8	-	-	-	0	0	-
18	Malin Head	84	30·2	-14	-	0	b	54	92	52	8	-	-	-	0	0	-
	Aldergrove	268	30·2	-2	N	1	b	54	97	52	8	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·6	-4	NE'E	2	b	55	92	53	8	-	-	-	0	0	-
	Roches Point	22	28·4	-2	N	1	b	58	97	57	7	-	-	-	0	0	-

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	25·7	-4	NNE	3	c	56	75	49	7	7	2	-	9	10	2500	0	*
Croydon	25·8	-4	N'E	2	c	56	85	50	6	6	-	-	7-8	10	1500	0	*
S. Farnborough	26·0	0	NE'N	2	d°d	54	92	51	7	5	2	-	9+	10	600	1	*
Boscombe Down	26·0	-2	N'E	3	°/d	54	75	48	8	5	-	-	10	10	1600	0	*
Thorney Island	25·7	+2	NE	3	c	56	75	48	9	5	-	-	10	10	3000	0	*
Lympne	24·9	0	N'E	3	id	55	92	53	6	5	-	-	7-8	10	800	0	§ 1
Manston	24·7	-2	N	3	°/d	57	85	54	7	5	2	-	9	10	1000	1	*
Shoeburyness	25·3	0	N	2	c	57	85	52	7	5	-	-	10	10	2500	0	*
Felixstowe	25·0	-2	N'W	3	c	57	85	53	8	5	-	-	7-8	10	2500	0	2
Gorleston	25·2	+2	N'E	4	c	57	75	49	7	8	-	-	10	10	1000	0	3
Mildenhall	25·9	-2	N'E	3	c	56	85	52	8	5	-	-	10	10	1400	1	*
Cranwell	27·0	-4	NE'E	4	id°	53	97	51	7	5	-	-	7-8	10	300	1	*
Birmingham	27·2	-2	NE	4	z°	54	75	46	6	5	-	-	10	10	1500	0	*
Upper Heyford	26·5	-2	NNE	3	c/d	54	85	48	7	5	-	-	4-6	10	1000	0	*
Ross-on-Wye	26·7	-6	NE	2	c	56	75	48	7	5	-	-	10	10	2500	0	*
Hartland Point	25·2	-2	NE	3	b	60	85	54	7	1	-	-	1	1	3000	0	3
Bristol	27·1	-2	E	3	c	55	85	50	8	5	-	-	10	10	1500	0	*
Portland Bill	25·6	-6	NE	4	o	56	85	52	8	5	-	-	10	10	4000	0	2
Plymouth	25·8	+2	E	3	c-bc	59	85	53	7	5	-	-	7-8	7-8	2000	0	2
The Lizard	24·6	0	ENE	4	bc	60	85	56	8	7	-	-	4-6	4-6	3000	0	3
Scilly (St. Mary's)	24·8	0	NE'N	3	z°	61	92	59	6	-	-	-	0	0	-	0	1
Guernsey																	
Pembroke	26·3	-2	ENE	1	b-bc	62	75	55	7	-	1	-	0	2-3	-	0	2
Holyhead (Valley)	28·0	+4	NE'N	2	b	61	65	50	8	-	-	-	0	0	-	0	1
Chester (Sealand)	28·4	-2	-	0	c	55	85	50	6	5	-	-	9+	9+	3000	0	*
Manchester	27·9	-6	NNE	2	z°	55	75	48	6	5	-	-	9	9	2000	0	*
Spurn Head	27·5	+2	NE'N	4	c	54	92	52	7	7	7	-	4-6	9+	1500	0	3
Catterick (Sc)	29·5	-2	N	3	id°	53	85	48	7	5	2	-	7-8	10	1000	0	*
Tynemouth	29·8	-4	N	4	c	54	92	51	7	5	-	-	10	10	1600	0	3
St. Abbs Head	29·7	-2	N	2	c	52	92	51	7	5	-	-	9+	9+	2000	0	4
Leuchars	30·0	-6	W	1	z°	55	92	53	6	5	-	-	9	9	600	0	*
Renfrew (Abbots I.)	30·1	-4	NE'E	1	z°	59	85	54	6	5	-	-	7-8	7-8	2500	0	*
Eskdalemuir	29·0	-6	NE'E	2	bc	54	85	49	8	5	-	-	4-6	4-6	3200	0	*
Point of Ayre	29·2	0	ENE	5	b	58	85	53	8	5	4	-	Tr	Tr	1800	0	3
Tiree	30·3	+4	-	0	b	63	85	58	9	-	-	-	0	0	-	1	1
Stornoway	31·8	-6	N	3	bc	56	92	53	8	5	-	-	4-6	4-6	600	0	2
Dalwhinnie	30·5	-4	N	1	f	49	97	49	3	-	-	-	10	10	<150	0	*
Aberdeen †	30·5	-4	NNW	4	c-bc	52	85	48	8	5	-	-	7-8	7-8	1000	0	2
Wick	31·6	-2	NW'W	1	f-	51	97	50	3	-	-	-	10	10	<150	0	*
Sumburgh	30·7	-6	NE	2	c	52	92	49	8	5	-	-	9	9	900	0	2
Blacksod Point	28·3	-2	-	0	b	65	75	57	8	-	-	-	0	0	-	0	1
Malin Head	29·2	-2	-	0	bjf	59	92	57	8	-	-	-	0	0	-	0	0
Aldergrove	29·7	-2	-	0	z°	60	92	57	6	-	-	-	0	0	-	0	*
Birr Castle	28·3	-2	N	1	b	58	85	53	8	-	-	-	0	0	-	0	*
Valentia Obsy.	27·5	0	NE'E	1	b	61	85	56	8	-	-	-	0	0	-	0	1
Roches Point	27·0	-2	N	2	b	59	85	45	8	-	-	-	0	0	-	0	*

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 29th Hrs. (38)
London (Kew)	72	56	53	-	-	5·6
Croydon	72	53	53	-	Tr	5·0
S. Farnborough	75	53	48	-	Tr	8·9
Boscombe Down	76	54	50	-	Tr	11·1
Thorney Island	71	55	49	-	-	*
Lympne	65	52	52	Tr	1	3·9
Manston	65	53	54	Tr	0·2	0·9
Shoeburyness	68	53	53	-	-	3·[illegible]
Felixstowe	68	53	52	-	Tr	[illegible]
Gorleston	59	56	56	Tr	Tr	0·6
Mildenhall	68	52	51	-	0·2	4·0
Cranwell	73	52	51	-	0·1	14·8
Birmingham	77	54	50	-	-	13·1
Upper Heyford	75	52	44	-	Tr	*
Ross-on-Wye	77	50	50	-	-	11·7
Hartland Point	68	58	57	-	-	13·5
Bristol	77	52	44	-	-	12·3
Portland Bill	63	53	*	-	-	*
Plymouth	69	58	45	-	-	13·0
The Lizard	68	59	*	-	-	13·0
Scilly (St. Mary's)	71	58	*	-	-	13·6
Guernsey						
Pembroke	70	57	*	-	-	13·2
Holyhead (Valley)	74	54	44	-	-	*
Chester (Sealand)	73	49	41	-	-	14·8
Manchester	77	52	48	-	-	*
Spurn Head	60	53	*	-	Tr	5·6
Catterick (Sc)	72	53	54	-	Tr	13·7
Tynemouth	59	53	53	-	-	*
St. Abbs Head	61	51	*	-	-	*
Leuchars	68	51	43	-	-	16·0
Renfrew (Abbots I.)	82	55	51	-	0·1	13·8
Eskdalemuir	74	51	43	-	-	14·4
Point of Ayre	71	56	*	-	-	14·6
Tiree	67	54	48	-	-	15·6
Stornoway	66	47	45	-	-	15·7
Dalwhinnie	73	39	29	-	-	14·2
Aberdeen †	66	51	48	-	-	12·5
Wick	65	49	44	-	-	*
Sumburgh	61	46	37	Tr	-	12·2
Blacksod Point	78	56	*	-	-	*
Malin Head	65	52		-	-	15·7
Aldergrove	77	49	44	-	0·2	14·3
Birr Castle	80	52	47	-	-	14·9
Valentia Obsy.	75	53	48	-	Tr	15·1
Roches Point	71	58		-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 29th June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 30th June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	5-	01953	31223	50	01853	32423	5-	57328	30348	5-	21628	32356
115	54	01964	12114	54	01964	12114	54	01964	08314	54	02864	08326
203				00	00900	04200						
206	00	00990	10200	00	00990	09400	5-	05638	26118	50	01742	00022
210	50	01961	02111	50	01941	08311	5-	02834	32125	5-	02758	30128
219	10	00951	30301	40	09951	30301	00	09890	06300	00	00990	04400
230	10	00971	20101	10	01971	22201	00	00890	00000	00	00890	00000
245	14	01861	06402	74	01861	06401	50	01942	30102	10	01861	31301
260	00	05790	04200	00	00790	04200	5-	05644	12204	50	05654	00024
278	10	01861	29301	00	00890	27300	00	00890	14100	5-	05665	1405
279	10	01962	24102	14	01861	08201	50	01842	06212	56	01854	08314
285	10	00861	04461									
288	67	05654	35515	5-	05637	35527	5-	05637	02227	6-	52438	32358
575	10	01861	16101	00	00890	30200	00	05690	00000	50	01861	00001
301	00	05690	26300	24	01763	29303	00	05690	06211	04	01790	08211
321	10	01854	32414	14	01853	02513	5-	02748	32328	5-	52748	02258
[illegible]	5-	25648	28488	5-	03748	32428	5-	02746	32526			
[illegible]	14	01861	65402	5-	05645	34415	5-	02747	31327	50	51747	31357
310	--	01651	04301							--	02638	04428
614	10	00790	02300	10	01863	02212	5-	05648	04426	52	52645	02328
388	10	01761	28201	00	00790	28300	00	00890	30100	00	00790	05100
334	--	01781	10202	--	01772	10202	--	05653	06214	--	05653	06214
340	10	05661	30101	50	05664	30314	00	05590	32100	5-	05644	32217
136	5-	51738	32528	5-	51838	03558	5-	52748	32468	5-	51834	01458
336	10	01763	04313	00	00790	04400				50	02756	05056
350	10	01854	32324	10	01851	04401	5-	02748	01418	5-	51748	02358
368	50	05651	18201	50	05653	24203	00	05690	00000	5-	05656	04316
379	10	05652	32302	15	01751	02814	5-	02745	04315	5-	52744	02458
390	80	01755	32425	10	01765	02414	5-	52548	32488	5-	02648	32428
382	10	01754	03314	70	02864	04324	5-	02758	03318	5-	21847	04357
438	52	02-54	02328				57	02755	22428	5-	03658	32428
430	5-	02755	01325	10	01754	20214	50	05647	02127	5-	02848	04228
409	20	01752	01202	00	00790	32300	00	05690	03100	50	01752	03102

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 30th June
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Afternoon	Night
Kew	cz°bccy	cbcby	bybcc
Croydon	c	cbcy	bcyeddn [illegible]
Greenwich	c	cby	bc
Camden Square	c	c	*
Kensington	cbc	bc	*
Hampstead	bc	bc	0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours end[illegible] 7h. Max[illegible] [illegible] <0·1 single Period Min. Time

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew	72	56	53	-	-	5·6	*	*
Croydon	72	53	53	-	Tr	5·0	*	*
Greenwich	71	53	52	-	-	5·8	54	71
Westminster	73	54	53	-		·	57	70
Regents Park	75	54	52	-	-		49	73
Camden Square	73	54	53	-	-	*	*	71
Kensington	73	54	52	-	-		65	75
Hampstead	70	50	48	-	-		*	71